



**U.S. Department of Housing and Urban
Development**

451 Seventh Street, SW
Washington, DC 20410
www.hud.gov

espanol.hud.gov

Environmental Assessment Determinations and Compliance Findings for HUD-assisted Projects 24 CFR Part 58

Project Information

Project Name: Legend Road Water Tank

Project Location: 176 Legend Road, Lumberton, Robeson County, NC 28358

Federal Agency: U.S. Department of Housing and Urban Development (HUD)

Responsible Entity: North Carolina Office of Recovery and Resiliency (NCORR)

Grant Recipient: Robeson County, North Carolina

State/Local Identifier: B-18-DP-37-0001

Preparer: Andrea Gievers, Environmental SME, NCORR

Certifying Officer Name and Title: Matthew Arlyn, Chief Recovery Officer, NCORR

Direct Comments to:

Andrea Gievers
Environmental SME
NCORR - Community Development
Andrea.L.Gievers@Rebuild.NC.gov
(845) 682-1700

Project Location:

The proposed site for construction (Subject Property) is located at 176 Legend Road, Lumberton, Robeson County, NC 28358 (**Attachment 1**). According to the Robeson County Tax Map, the County-owned Parcel ID is 02090100501 and consists of 60.96 acres (**Attachment 1**).

Description of the Proposed Project [24 CFR 50.12 & 58.32; 40 CFR 1508.25]:

This proposed project is a CDBG-MIT eligible activity pursuant to Section 105(a)(2), *Public Facilities and Improvements* of the Housing and Community Development Act (HCDA) of 1974, which includes: the acquisition, construction, reconstruction, or installation (including design features and improvements with respect to such construction, reconstruction, or installation that promotes energy efficiency) of public works, facilities (except for buildings for the general conduct of government), and site or other improvements.

This proposed project will utilize HUD CDBG-MIT funding to construct a 500,000-gallon elevated water storage tank, altitude valve vault, fire hydrant, water mains, gravel access drive, and associated improvements to prevent future water service interruptions as experienced during Hurricane Matthew. The proposed project's installation of an elevated water storage tank in the vicinity of the Robeson County Emergency Operations Center, Sheriff's Office and Jail, Emergency Medical Services (EMS), Water Department, and Public Utilities buildings will avoid water pressure loss at these County public facilities and the adjacent NC Department of Corrections' Lumberton Correctional Institution. The proposed project includes procurement of architectural and engineering services, soils testing, boundary surveys, and construction of improvements. Construction will involve extensive land clearing and excavation, trenching, placement of concrete foundations, installation of a 500,000-gallon elevated water storage tank and piping, and connections to the existing 12-inch water main on Legend Road and the existing 8-inch water main that ties into Sanchez Road. The foundations shall be a mat or ring wall foundation with a depth not to exceed 10 feet below finish grade or pilings to a depth of not more than 65 feet. Two hundred feet of ductile iron pipe with neoprene gaskets will be installed where the water main passes within 100 feet of an existing underground fuel storage tank. Two 6-inch steel bollards will be installed at the proposed fire hydrant. There is an existing chain link fence and gate around the proposed project development area where the elevated water storage tank, altitude valve vault and gravel access drive will be located. An 8-inch to 12-inch PVC water main, associated valves and a fire hydrant will be installed in the paved parking area and gravel driveway/unnamed road running east-west to Legend Road between the fenced-in proposed tank and existing Sanchez Drive Water Treatment Plant and the Public Utilities buildings and Robeson County Ambulance Service/ EMS. There will be an estimated 0.20 acre of ground disturbance for the proposed project.

Statement of Purpose and Need for the Proposal [40 CFR 1508.9(b)]:

The State of North Carolina was adversely impacted by the landfall of Hurricanes Matthew (October 8, 2016) and Florence (September 14, 2018). During the Hurricane Matthew storm event, water delivery systems throughout Robeson County were adversely impacted by widespread outages, particularly the public facilities located along Legend and Sanchez Roads. The public facilities served by this proposed project include the Robeson County Emergency Operations Center, Sheriff's Office and Jail, EMS, Water Department, and Public Utilities buildings and the adjacent NC Department of Corrections' Lumberton Correctional Institution. During and immediately following the storm event, potable water had to be transported to these facilities, both by truck and through individual bottled servings. The NC Division of Water Resources' (DWR) Public Water Supply section requires all water systems to maintain a minimum pressure of 30 psi for normal conditions and 20 psi for fire flow. These numbers are attainable with the proposed project's installation of an elevated water storage tank on this parcel containing the water treatment plant and in close proximity of these Robeson County public facilities and the adjacent NC Department of Corrections' Lumberton Correctional Institution. It is critical for public health and safety that these facilities, including the Emergency Operations Center, have adequate water supply during emergencies and future storm events. This proposed project will construct a 500,000-gallon elevated water storage tank, altitude valve vault, fire hydrant, water mains, gravel access drive, and associated improvements to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events. The County has selected the proposed project to assist its residents, employees, and community to be protected from water service interruptions at this location during future storm events which can also adversely impact operations at the Emergency Operations Center during critical times. Therefore, funding for the proposed project will be provided in part by the HUD CDBG-MIT North Carolina Infrastructure Recovery Program for Hurricanes Matthew and Florence storm recovery activities in North Carolina.

Existing Conditions and Trends [24 CFR 58.40(a)]:

The Subject Property is a large, County-owned parcel containing the Robeson County Emergency Operations Center, Sheriff's Office and Jail, EMS, Water Department, and Public Utilities buildings. The NC Department of Corrections' Lumberton Correctional Institution is located across Legend Road to the west. The elevated water storage tank, altitude valve vault, outlet structure, gravel access drive, water main, and associated piping and improvements will be constructed on a previously-cleared, fenced-in portion of this large County parcel situated east of the Methodist Home for Children's parcel and north of several Robeson County public facilities. The proposed project development area that is fenced-in currently contains the existing well, aeration basin, high service pumps, equalization basin, generator, and water treatment plant. An 8-inch to 12-inch PVC water main, associated valves and a fire hydrant will be installed in the paved parking area and gravel driveway/unnamed road running east-west to Legend Road between the fenced-in proposed tank and Sanchez Drive Water Treatment Plant and the Public Utilities buildings and Robeson County Ambulance Service/ EMS.

Funding Information

Grant Number	HUD Program	Funding Amount
B-18-DP-37-0001	CDBG-MIT	\$1,241,000.00

Estimated Total HUD Funded Amount: \$1,241,000.00

Robeson County Water Department \$3,093,000.00

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$4,334,000.00

Compliance with 24 CFR 50.4, 58.5, and 58.6 Laws and Authorities

Record below the compliance or conformance determinations for each statute, executive order, or regulation. Provide credible, traceable, and supportive source documentation for each authority. Where applicable, complete the necessary reviews or consultations and obtain or note applicable permits of approvals. Clearly note citations, dates/names/titles of contacts, and page references. Attach additional documentation as appropriate.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 and 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	Based on guidance provided by HUD Fact Sheet #D1, the National Plan of Integrated Airport Systems (NPIAS) was reviewed for civilian, commercial service airports located near the Subject Property. There are no civilian, commercial service airports located within 2,500 feet of the Subject Property. The Lumberton Regional Airport (LBT) is located over 7,500 feet from the Subject Property. According to the FAA Airport Master Record, this is not a military/civilian joint use airport. There are no military airports located within 15,000 feet of the Subject Property. No additional review is required. Attachment 2: NEPAAssist Airport Map with 2,500-foot Buffer, NEPAAssist Airport Map with

		15,000-foot Buffer, and FAA Airport Master Data for LBT.
<p>Coastal Barrier Resources</p> <p>Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>Based on the U.S. Fish and Wildlife Service (USFWS) Coastal Barrier Resources System (CBRS) Map, the Subject Property is not located in or immediately adjacent (within 150 feet) to a CBRS Unit or Otherwise Protected Area (OPA). The proposed project is in compliance with the Coastal Barrier Resources Act. No additional review is required.</p> <p>Attachment 3: USFWS CBRS Map and Certification.</p>
<p>Flood Insurance</p> <p>Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>Based on the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) panel 3710938000K, effective 12/6/2019, and Preliminary FIRM (PFIRM) dated 8/29/2014, the proposed project development area is located in Zone X, outside of a Special Flood Hazard Area (SFHA). This 60.96-acre County-owned parcel contains approximately 38.21 acres of 500-year floodplain and 0.61 acre of 100-year floodplain (Zone AE). There is no FEMA-designated regulatory floodway on the Subject Property. The proposed project's limit of disturbance (LOD) will occur approximately 50 feet from the 500-year floodplain, 0.24-mile from 100-year floodplain (Zone AE), and 0.25-mile from floodway (off-site). The proposed project will not result in any direct or indirect impacts to 500-year floodplain, 100-year floodplain or floodway. The City of Lumberton (370203K) is a participating community in the National Flood Insurance Program (NFIP).</p> <p>The proposed project development area is located in Zone X, outside of floodplain. Furthermore, the proposed project involves installing an elevated water storage tank, altitude valve vault, water mains, and associated improvements. These are not insurable structures according to the NFIP Flood Insurance Manual effective October 1, 2022. Therefore, flood insurance is not required for the proposed project. The proposed project is in compliance with flood insurance requirements.</p>

		<p>Since there is incidental floodplain located on the Subject Property, compliance with 24 CFR 55 and Executive Order (EO) 11988 is required. The EO 11988 Floodplain Management Determination for the proposed project documents the 8-step process under 24 CFR 55 in Attachment 10.</p> <p>Attachment 4: FEMA FIRMettes, PFIRM, and NFIP Community Status Book.</p>
--	--	---

STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.5

<p>Clean Air</p> <p>Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The Subject Property is located in Robeson County, which is a current attainment county. According to the NC Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants (EPA Green Book), the Subject Property is <i>not</i> located in a county in nonattainment or maintenance status for any criteria pollutants. The construction and operation of the water storage tank is exempted from NC State air quality permit requirements under 15A NCAC 02Q. 0102(d) since emissions will be below the established thresholds. Thus, the proposed project's emissions are automatically considered de minimis (40 CFR §93.153(c)(2)) and the proposed project is considered compliant with the State Implementation Plan (SIP). The proposed project would not exceed de minimis emissions levels for federal general conformity purposes (40 CFR §93.153(c)(2)).</p> <p>The proposed project involves installing an elevated water storage tank, altitude valve vault, water mains, and associated improvements. The proposed project will not result in siting any new source of air pollutants. The proposed project will not generate additional levels of vehicular traffic; therefore, no exceedances of the National Ambient Air Quality Standard (NAAQS) associated with carbon monoxide (CO) or particulate matter (PM) are anticipated to occur.</p> <p>Construction-related activities (land clearing, grading) can cause short-term exposures to sensitive receptors from particulate matter (PM 10) such as fugitive dust and emissions from construction equipment. Mitigation measures for</p>
---	---	---

		<p>dust control will be implemented to reduce potential impacts to air quality during construction. The proposed project will conform to NC Air Quality Management regulations during and following construction. The contractor will use Best Management Practices (BMPs) to reduce fugitive dust generation and diesel emissions. BMPs can include wetting the grading site during dry conditions; maintaining vegetative cover as much as possible around cleared areas; a water truck to stabilize potential dust during high traffic times or high wind days on heavily-travelled access roads and storage areas; and operating construction vehicles and machinery at reduced speeds to reduce soil disturbance and fugitive dust potential. BMPs to mitigate the generation of emissions during construction include limiting use of vehicles and other machinery to construction hours only and removal once construction is completed.</p> <p>Therefore, there will be no significant impact to air quality from the proposed project. The operation of the proposed project following the completion of construction activities will not increase emissions. Any air quality impacts would be short-term and localized during construction, and no significant adverse impacts to air quality are anticipated. Thus, the proposed project is in compliance with this section.</p> <p>Attachment 5: NC Nonattainment/ Maintenance Status for Each County by Year for All Criteria Pollutants (EPA Green Book). <i>See also, Recent Updates: Federal Register Notices Published or Effective After January 31, 2024 Green Book US EPA online.</i></p>
<p>Coastal Zone Management</p> <p>Coastal Zone Management Act, sections 307(c) & (d)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The Subject Property is located in Robeson County which is <i>not</i> one of the 20 coastal counties included in the North Carolina Coastal Management Program. Therefore, the proposed project is not anticipated to impact coastal resources. A Consistency Determination is <i>not</i> required to be submitted to the NC Division of Coastal Management (DCM). DCM carries out the State's Coastal Area Management Act (CAMA), the Dredge and Fill Law and the federal Coastal Zone Management Act of 1972 in the 20 coastal counties, using rules and policies of the</p>

		<p>NC Coastal Resources Commission, known as the CRC. No further action is required. The proposed project is in compliance with the Coastal Zone Management Act, sections 307(c) & (d).</p> <p>Attachment 6: NC DCM Counties Map and List.</p>
<p>Contamination and Toxic Substances</p> <p>24 CFR Part 50.3(i) & 58.5(i)(2)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>A site inspection was conducted at the Subject Property on June 27, 2023 by Sam R. Noble, Jr., and no hazards were identified. The Sheriff's Office stores confiscated vehicles and other items within a fenced-in area south of the proposed project development area. A 330-gallon diesel exhaust fluid (DEF) aboveground storage tank (AST) is located approximately 40 feet south of the proposed water main. There are two active underground storage tanks (USTs), a 5,000-gallon Diesel Fuel tank and a 15,000-gallon Gasoline tank, and one closed 3,000-gallon Diesel tank, registered to the Robeson County Public Works Department located approximately 20 feet south of the proposed water main on the Subject Property. Pipe installed within 100 feet of the tanks will be ductile iron pipe with neoprene gaskets. There were no odors, leaks or staining observed during the site visit. The USTs failed inspection on July 8, 2022 and were issued a 15A NCAC 2N notice of violation (NOV) for failure to: notify/provide the NC Department of Environmental Quality (DEQ) Division of Waste Management (DWM) UST Section with compliance records; check operability, proper operating condition and calibration of overfill prevention equipment every three years and leak detection monitoring equipment annually; perform a tightness test on primary and secondary spill buckets every 3 years; perform tightness tests on piping, containment sump, and primary and interstitial space of spill buckets (not monitored continuously by vacuum, pressure, or hydrostatic methods) every 3 years; test sump sensor operability annually; perform periodic operation and maintenance walkthrough inspections; provide third-party performance claims; visually inspect containment sumps annually; and complete Primary Operator training. These are mainly administrative and inspection/testing concerns with no leaks or contamination identified. According to the NC DEQ DWM UST Section, there is no record of reported petroleum</p>

		<p>release in the proposed project area. According to the County, the NOV has been properly addressed as of August 2022. Therefore, the USTs do not pose a hazard that could affect the health and safety of occupants or conflict with the intended utilization of the Subject Property.</p> <p>There is <i>no</i> proposed change in land use. Based on historical aerials (City Directory entries and Sanborn Maps were not available for this location) and the County, the Subject Property was used for agricultural use before being developed for the current Robeson County government complex. According to NEPAassist, the Subject Property is not identified on an EPA Superfund National Priorities List or Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) list, or equivalent State list. NEPAassist and the NC DEQ DWM Site Locator Tool were used to review potentially hazardous sites within a 1-mile and 0.5-mile radius of the Subject Property. According to NEPAassist, there are no Brownfields, Superfund, Toxic Release Inventory (TRI), hazardous waste (RCRA) or air emission facility sites located within a one-mile radius search of the Subject Property. According to NEPAassist, there is one NPDES water discharger within one mile of the Subject Property. The Sanchez Drive Water Treatment Plant has noncompliance and violations identified during the past three years primarily for total residual Chlorine and pH in effluent gross. The total residual Chlorine is getting closer to attaining allowable limit. The pH limit violation has been identified three times in the past three years. According to the ICIS Search, there have been informal administrative action incidents but these are all achieved or closed status. Due to the type and nature of the violations, the plant does not pose a hazard or conflict with the intended utilization of the Subject Property.</p> <p>According to NC DEQ DWM comments, there are no Superfund Section or Brownfields Program sites identified within one mile of the Subject Property (Attachment 20). The NC DEQ DWM Site Locator Tool does not identify a toxic or solid waste landfill (including pre-regulatory landfill</p>
--	--	--

sites) within 3,000 feet of the Subject Property. According to a NC DEQ DWM Facility Screening Report for a 0.5-mile radius, there are two UST active facilities including the Robeson County Public Works Department at the Subject Property, discussed above. The Minuteman 25 UST active facility had a NC DEQ inspection on October 19, 2022 and has 5 petroleum USTs ranging from 1,000 to 12,000 gallons. These UST active facilities do not pose a hazard or conflict with the intended utilization of the Subject Property.

The NC DEQ DWM Site Locator Tool identified two low-risk UST incidents and one low-risk Non-UST incident located within one mile of the Subject Property. The Roadway Express Inc UST Incident (UST #FA-2040) is located on Kenny Biggs Road more than a 0.5 mile from the Subject Property. The UST was removed and permanently closed with no further action required by NC DEQ on January 18, 1995. The SUND0 41 UST Incident #21728, UST #FA-1109 also has a land use restriction and/or notice but has received a No Further Action Notice and low risk determination on March 3, 2003. It is recommended that groundwater within the area of expected contamination not be used as a water supply. The SUND0 41 site is located more than 0.5 mile from the Subject Property. The Non-UST Incident Edisto Carriers Wreck (AST Incident #90014, UST #FA-88141) is located on the U.S. Highway 74 and Highway 41 overpass. No additional records are available in the online NC DEQ DWM Laserfiche. Due to factors such as the distance, location, and regulatory status, these sites do not pose a hazard or conflict with the intended utilization of the Subject Property.

Radon is not considered a risk for this proposed project, since the proposed project does not involve ground-level, occupied structures with indoor air quality concerns and Robeson County is a Level 3 Radon Zone with predicted average indoor radon screening levels less than 2 pCi/L (Low Potential) according to the U.S. Environmental Protection Agency (EPA) (**Attachment 7**). No additional steps are required for radon testing and mitigation.

		<p>Based on a site visit and review of available environmental and historical records for the Subject Property and surrounding area, the Subject Property is unlikely to contain hazardous materials, contamination, toxic chemicals and gases, and radioactive substances, where a hazard could affect the health and safety of occupants or conflict with the intended utilization of the Subject Property for elevated water storage. Therefore, a Phase I Environmental Site Assessment (ESA) or Phase II Investigation is not warranted.</p> <p>Attachment 7: NEP Assist EPA Facilities with 1-mile Buffer, NC DEQ DWM Site Locator Reports with 1-mile and 0.5-mile Buffer, Facility Reports, Site Inspection Documentation, Historical Aerials, and EPA NC Radon Level Map. <i>See also, Attachment 20:</i> State Environmental Clearinghouse (SCH) Comments.</p>
<p>Endangered Species</p> <p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>A NC Natural Heritage Program (NHP) database query report and USFWS Information for Planning and Consultation (IPaC) Official Species List were prepared for the proposed project. The Official Species List identified a total of six threatened, endangered or candidate species and no critical habitat for the proposed project area. These species include the Tricolored Bat, Red-cockaded Woodpecker, Wood Stork, American Alligator, Monarch Butterfly and Michaux's Sumac. There are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. The Official Species List identified no FWS migratory birds of concern within the vicinity or the proposed project area. The Lumberton Correctional Institution was identified as a managed area within the proposed project area.</p> <p>The elevated water storage tank, altitude valve vault and gravel access drive will be constructed on a previously-cleared, fenced-in portion of this large County parcel situated east of the Methodist Home for Children's parcel and north of several Robeson County public facilities. The proposed</p>

project development area that is fenced-in currently contains the existing well, aeration basin, high service pumps, equalization basin, generator, and water treatment plant. An 8-inch to 12-inch PVC water main, associated valves and a fire hydrant will be installed in the paved parking area and gravel driveway/unnamed road running east-west to Legend Road between the fenced-in proposed tank and existing Sanchez Drive Water Treatment Plant and the Public Utilities buildings and Robeson County Ambulance Service/ EMS.

There will be *no tree clearing* to affect any potential habitat for the Tricolored Bat, Red-cockaded Woodpecker, and Wood Stork. The proposed project's action area does not include suitable habitat for the American Alligator. Due to regular mowing, habitat at the proposed project's action area is considered poor to unsuitable for Monarch Butterflies and Michaux's Sumac. The proposed project activities will be completed in accordance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions.

Therefore, the proposed project was determined to have "no effect" on the proposed, threatened, endangered, or candidate species and proposed or designated critical habitat under USFWS jurisdiction, and a "no Eagle Act permit required" determination for the Bald Eagle. A self-certification letter and online project review certification package were completed and submitted to the USFWS Raleigh Field Office (FO) on May 24, 2023. According to the Self-certification Letter, Mr. Pete Benjamin, Field Supervisor of the U.S. Fish and Wildlife Service Raleigh Field Office, indicated the following: "Therefore, we concur with the 'no effect' or 'not likely to adversely affect' determinations for proposed and listed species and proposed and designated critical habitat; the 'may affect' determination for Northern long-eared bat; and/or the 'no Eagle Act permit required' determinations for eagles. Additional coordination with this office is not needed." USFWS has not contacted NCORR for additional information. **The Subrecipient will update this determination annually for multi-year activities.**

		<p>Attachment 8: USFWS Raleigh FO 10-step Package and USFWS and NCORR Correspondence.</p>
<p>Explosive and Flammable Hazards</p> <p>24 CFR Part 51 Subpart C</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The proposed project does not involve the development of a hazardous facility (a facility that mainly stores, handles or processes flammable or combustible chemicals such as bulk fuel storage facilities and refineries). The proposed project involves installing an elevated water storage tank, altitude valve vault, water mains, and associated improvements which does not include development or construction that will be regularly used by people, a rehabilitation/ modernization project that will increase the number of people using a structure or increase residential densities, a rehabilitation/ modernization project that will make a vacant building habitable or land use conversion. Based on the proposed project description, there are no proposed activities that would require further evaluation under 24 CFR Part 51 Subpart C. The proposed project is in compliance with HUD’s explosive and flammable hazard requirements.</p>
<p>Farmlands Protection</p> <p>Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The proposed project involves new construction of a 500,000-gallon elevated water storage tank, altitude valve vault, water mains, and associated improvements which have the potential to convert agricultural land. However, the Subject Property is <i>already committed to urban development</i>. Projects are subject to Farmland Protection Policy Act (FPPA) requirements if they may irreversibly convert farmland (directly or indirectly) to nonagricultural use and are completed by a Federal agency or with assistance from a Federal agency. “Farmland” does not include land already in or committed to urban development or water storage.” According to the USDA NRCS Resource Soil Scientist, Ms. Laurie Muzzy, the “area in question is not subject to FPPA regulation, since the project as proposed is located in an area that is already developed.”</p> <p>The United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey soil groups for the proposed action area included: WaB - Wagram loamy sand, 0 to 6 percent slopes (<i>Farmland of statewide importance</i>), Pm - Plummer and Osier soils (<i>Not prime farmland</i>), Pt – Portsmouth loam</p>

		<p><i>(Prime farmland if drained)</i>, and FaB - Faceville fine sandy loam, 2 to 6 percent slopes (<i>All areas are prime farmland</i>).</p> <p>Thus, the proposed project activities are not subject to the provisions of the FPPA, according to Section 523.11 (C) Activities Not Subject to Provisions of FPPA (4) projects on land already in urban development. The elevated water storage tank, altitude valve vault and gravel access drive will be constructed on a previously-cleared, fenced-in portion of this large County parcel situated east of the Methodist Home for Children's parcel and north of several Robeson County public facilities. The proposed project development area that is fenced-in currently contains the existing well, aeration basin, high service pumps, equalization basin, generator, and water treatment plant. An 8-inch to 12-inch PVC water main, associated valves and a fire hydrant will be installed in the paved parking area and gravel driveway/unnamed road running east-west to Legend Road between the fenced-in proposed tank and existing Sanchez Drive Water Treatment Plant and the Public Utilities buildings and Robeson County Ambulance Service/ EMS. All soils in the proposed project development area have been previously disturbed.</p> <p>The proposed project is exempt from the FPPA. Thus, no further review is required. The proposed project is in compliance with this section.</p> <p>Attachment 9: USDA NRCS and NCORR Correspondence including USDA NRCS Soil Surveys for Action Area and Subject Property and TIGERweb Urban Areas Map.</p>
<p>Floodplain Management</p> <p>Executive Order 11988, particularly section 2(a); 24 CFR Part 55</p>	<p>Yes No</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/></p>	<p>Based on the FEMA FIRM panel 3710938000K effective on 12/6/2019 and PFIRM dated 8/29/2014, the proposed project development area is located in Zone X, outside of a SFHA. This 60.96-acre County-owned parcel contains approximately 38.21 acres of 500-year floodplain and 0.61 acre of 100-year floodplain. There is no FEMA-designated regulatory floodway on the Subject Property. The proposed project's LOD will occur approximately 50 feet from the 500-year floodplain, 0.24-mile from</p>

100-year floodplain (Zone AE), and 0.25-mile from floodway (off-site). The proposed project will not result in any direct or indirect impacts to wetlands, 500-year floodplain, 100-year floodplain or floodway. Thus, there will be no direct modification or construction in floodplain or SFHA.

The proposed project is wholly located in Zone X, an area of minimal flood hazard. There has been previous, significant site modification including fill and development for the existing fenced-in water treatment plant and roads where site disturbance is planned. The elevated water storage tank, altitude valve vault, gravel access drive, and associated improvements will be constructed on a previously-cleared, fenced-in portion of this large County parcel situated east of the Methodist Home for Children's parcel and north of several Robeson County public facilities. The proposed project development area that is fenced-in currently contains the existing well, aeration basin, high service pumps, equalization basin, generator, and water treatment plant. An 8-inch to 12-inch PVC water main, associated valves and a fire hydrant will be installed in the paved parking area and gravel driveway/unnamed road running east-west to Legend Road between the fenced-in proposed tank and existing Sanchez Drive Water Treatment Plant and the Public Utilities buildings and Robeson County Ambulance Service/ EMS.

Since there is incidental floodplain located on the Subject Property, compliance with 24 CFR 55 and EO 11988 is required. The EO 11988 Floodplain Management Determination for the proposed project documents the 8-step process under 24 CFR 55 in **Attachment 10**. The proposed project will comply with all applicable federal, State and local laws, regulations, and permit requirements and conditions which shall be obtained before commencing work and appended to the environmental review record (ERR) when received from the permitting agencies. According to the U.S. Army Corps of Engineers (USACE) and NC DWR, there are no NC DWR buffers and Clean Water Act Section 404 and 401 permits are not required. Best management practices for erosion and sedimentation control such as silt

		<p>fencing will be utilized during construction to prevent off-site sedimentation impacts and native plants used in site restoration. According to the NC DEQ Division of Energy, Mineral, and Land Resources (DEMLR) comment, “the project is less than one acre and will not require a Sedimentation and Erosion Control Plan nor coverage under the NPDES Construction Stormwater General Permit NCG010000.” However, Robeson County and/or its contractors shall install and maintain appropriate sedimentation and erosion control measures per the Sedimentation Pollution Control Act to prevent off-site sedimentation impacts (<i>see Attachment 20: SCH Draft EA Comments</i>). Thus, there will be no modification of floodplain or indirect or direct impacts to floodplain anticipated from the proposed project.</p> <p>Attachment 10: EO 11988 Floodplain Management and EO 11990 Wetlands Protection Determination.</p>
<p>Historic Preservation</p> <p>National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>Based on the site visit and National Register of Historic Places (NRHP) and North Carolina State Historic Preservation Office’s (NC SHPO) HPOWEB maps review, there are no publicly recorded historic properties which are locally designated or listed in or eligible for inclusion in the State or National Register of Historic Places located on or adjacent to the Subject Property.</p> <p>On May 31, 2023, NCORR submitted the proposed project to the NC SHPO for review and concurrence of a preliminary finding of “No Historic Properties Affected” pursuant to 36 CFR 800.4(d)(1). On July 3, 2023, Ms. Renee Gledhill-Earley, Environmental Review Coordinator with the State Historic Preservation Office, responded that “[w]e have conducted a review of the project and are aware of no historic resources which would be affected by the project. Therefore, we have no comment on the project as proposed.” The SHPO response and NCORR submission package are attached.</p> <p>According to the HUD Tribal Directory Assessment Tool (TDAT), the Catawba Indian Nation is the only federally-recognized tribe with interests in Robeson County, North Carolina. On</p>

		<p>May 12, 2023, NCORR consulted with the Catawba Indian Nation for discussion of historic properties in the proposed project area that may have religious and cultural significance. The Section 106 review packages were sent to the Catawba Indian Nation’s Chief Bill Harris and Dr. Wenonah G. Haire, Tribal Historic Preservation Officer (THPO). On June 15, 2023, Ms. Caitlin Rogers responded for THPO Dr. Haire that “[t]he Catawba have no immediate concerns with regard to traditional cultural properties, sacred sites or Native American archaeological sites within the boundaries of the proposed project areas. However, the Catawba are to be notified if Native American artifacts and / or human remains are located during the ground disturbance phase of this project.” The proposed project is in compliance with Section 106.</p> <p>On July 12, 2023, NCORR Director Ms. Laura Hogshead sent a notification letter for the proposed project to the Lumbee Tribe of North Carolina Chairman John Lowery, and no response has been received.</p> <p>Attachment 11: NC SHPO response and NCORR submission package, TDAT results, Catawba Indian Nation response and NCORR submission packages, and Lumbee Tribe of NC Proposed Project Notification Letter.</p>
<p>Noise Abatement and Control</p> <p>Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The proposed project is not a noise-sensitive use. The proposed project does not involve new construction for residential use or rehabilitation of an existing residential property. Rather, the proposed project provides timely emergency assistance under disaster assistance provisions or appropriations which are provided to save lives, protect property, <i>protect public health and safety</i>, remove debris and wreckage, or assistance that has the effect of restoring facilities substantially as they existed prior to the disaster. This proposed project aims to construct a 500,000-gallon elevated water storage tank, altitude valve vault and associated improvements to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events in effect protecting public health and safety. Thus, 24 CFR</p>

		<p>Part 51 Subpart B does not apply to this small, public infrastructure project.</p> <p>The proposed project is not expected to generate excessive noise during the short-term construction work or long-term operation. Short-term construction noise will be limited to daytime hours. Construction equipment will be required to meet local sound control requirements. The proposed project activities will be completed in accordance with all applicable federal, State and local laws, regulations, and permit requirements and conditions. Therefore, the proposed project is not expected to generate any significant adverse noise impacts. The proposed project is in compliance with this section.</p>
<p>Sole Source Aquifers</p> <p>Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>No sole source aquifers are located in North Carolina according to the U.S. EPA. No further action is required. The proposed project is in compliance with this section.</p> <p>Attachment 12: U.S. EPA Sole Source Aquifer Map.</p>
<p>Wetlands Protection</p> <p>Executive Order 11990, particularly sections 2 and 5</p>	<p>Yes No</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/></p>	<p>There are no wetlands identified in the proposed project development area. There are USFWS National Wetlands Inventory (NWI) mapped riverines and potential wetlands located on the Subject Property. Based on the USFWS NWI map, site visit, and USACE correspondence, the proposed project development area is not located in or adjacent to a wetland or riverine. The closest onsite USFWS NWI-mapped riverine (R5UBH) and potential wetland is approximately 250 feet northwest from the proposed project's LOD. Another NWI-mapped riverine (R4SBC) and potential wetland connects north to Little Jacob Swamp. These potential wetland areas encompass approximately 5 acres of the parcel. The Little Jacob Swamp riverine is located north of the parcel boundary approximately 0.25-mile from the proposed project's LOD and will not be adversely impacted by the proposed project.</p> <p>There has been previous, significant site modification including fill and development for the existing fenced-in water treatment plant and roads where site disturbance is planned. The</p>

elevated water storage tank, altitude valve vault and gravel access drive will be constructed on a previously-cleared, fenced-in portion of this large County parcel situated east of the Methodist Home for Children’s parcel and north of several Robeson County public facilities. The proposed project development area that is fenced-in currently contains the existing well, aeration basin, high service pumps, equalization basin, generator, and water treatment plant. An 8-inch to 12-inch PVC water main, associated valves and a fire hydrant will be installed in the paved parking area and gravel driveway/unnamed road running east-west to Legend Road between the fenced-in proposed tank and existing Sanchez Drive Water Treatment Plant and the Public Utilities buildings and Robeson County Ambulance Service/ EMS.

The proposed project has been designed to avoid wetlands. Thus, there will be no direct “new construction” in wetlands for the proposed project as defined in EO 11990, Protection of Wetlands, and 24 CFR 55.2(b)(8). Since there are incidental wetlands located on the Subject Property, compliance with 24 CFR 55 and EO 11990 is required. The EO 11990 Wetlands Protection Management Determination for the proposed project documents the 8-step process under 24 CFR 55 in **Attachment 10**.

The proposed project activities will be completed in conformance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. All necessary permits will be identified and obtained prior to commencing work and appended to the ERR when received from the permitting agencies. According to USACE and NC DWR, there are no NC DWR buffers and Clean Water Act Section 404 and 401 permits are not required. Best management practices for erosion and sedimentation control such as silt fencing will be utilized during construction to prevent off-site sedimentation impacts and native plants used in site restoration. According to the NC DEQ DEMLR comment, “the project is less than one acre and will *not* require a Sedimentation and Erosion Control Plan nor coverage under the NPDES Construction Stormwater General Permit NCG010000.” However, Robeson

		<p>County and/or its contractors shall install and maintain appropriate sedimentation and erosion control measures per the Sedimentation Pollution Control Act to prevent off-site sedimentation impacts (<i>see Attachment 20: SCH Draft EA Comments</i>). Thus, there will be no new construction in wetlands or indirect or direct impacts to wetlands from the proposed project.</p> <p>Attachment 10: EO 11988 Floodplain Management and EO 11990 Wetlands Protection Determination.</p>
<p>Wild and Scenic Rivers</p> <p>Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The proposed project will not affect a designated, listed or study Wild and Scenic River in the DOI NPS Nationwide Rivers Inventory (NRI) or National Wild and Scenic Rivers (WSR) System. According to the NEPAssist Map, there are no WSR river segments located within one mile of the Subject Property. Due to the distance from the closest NRI or WSR river segments, there are no impacts anticipated from the proposed project on a designated, listed or study NRI or WSR river. The proposed project is in compliance with this section.</p> <p>Attachment 13: NEPAssist Map of DOI NPS Nationwide Rivers Inventory and National Wild and Scenic Rivers System Showing 1-mile Buffer.</p> <p><i>See also, Eligible and Suitable Rivers Map, at https://nps.maps.arcgis.com/apps/webappviewer/index.html?id=df0f4455dc5f41bb919a3a1a49c60174.</i></p>
ENVIRONMENTAL JUSTICE		
<p>Environmental Justice</p> <p>Executive Order 12898</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>According to the EPA Environmental Justice Screening and Mapping Tool (EJScreen), the Subject Property is located in a potential Environmental Justice area. According to the EJScreen Standard Report for a one-mile radius of the Subject Property, there is an approximately 79% minority population and 56% low-income population, both of which are higher than State and national averages. Further, based on the NC DEQ Community Mapping System, the Subject</p>

		<p>Property is located in the NC DEQ Potentially Underserved Block Groups 2019.</p> <p>No adverse environmental impacts were identified during the proposed project's 24 CFR 58 environmental review. The proposed project will not subject the community to environmental conditions that may have disproportional effects on low-income or minority populations. Rather, this proposed project will construct a 500,000-gallon elevated water storage tank, altitude valve vault and associated improvements to prevent future water service interruptions and allow for continued operation of critical public facilities during and following future storm events. Thus, the proposed project does not contribute to or promote environmental injustice. The proposed project is in compliance with this section.</p> <p>Attachment 14: EJScreen Standard Report, EJScreen ACS Summary Report, EJScreen Census 2010 Summary Report, EJScreen Community Report, NC DEQ Community Mapping System Map, and CDC Report for Robeson County.</p>
--	--	---

Environmental Assessment Factors [24 CFR 58.40; Ref. 40 CFR 1508.8 &1508.27]:

Recorded below is the qualitative and quantitative significance of the effects of the proposal on the character, features and resources of the project area. Each factor has been evaluated and documented, as appropriate and in proportion to its relevance to the proposed action. Verifiable source documentation has been provided and described in support of each determination, as appropriate. Credible, traceable and supportive source documentation for each authority has been provided. Where applicable, the necessary reviews or consultations have been completed and applicable permits of approvals have been obtained or noted. Citations, dates/names/titles of contacts, and page references are clear. Additional documentation is attached, as appropriate. **All conditions, attenuation or mitigation measures have been clearly identified.**

Impact Codes: Use an impact code from the following list to make the determination of impact for each factor.

- (1) Minor beneficial impact
- (2) No impact anticipated
- (3) Minor Adverse Impact – May require mitigation
- (4) Significant or potentially significant impact requiring avoidance or modification which may require an Environmental Impact Statement

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	2	<p>There is no proposed change in land use or zoning. The Subject Property is zoned LmbrM2 (manufacturing). This parcel was chosen as ideal because it is currently County-owned and is located close to the existing water treatment plant and the Robeson County government complex enabling the water system to maintain a minimum pressure of 30 psi for normal conditions and 20 psi for fire flow which is a NC DWR Public Water Supply section requirement. It is critical for public health and safety that these facilities, including the Emergency Operations Center, have adequate water supply during emergencies and future storm events.</p> <p>According to the Hurricane Matthew Resilient Redevelopment Plan - Robeson County (HMRRP-RC) dated May 2017, the “Robeson County Water System, add Elevated Water Tank” project (proposed project) is listed as a “high priority” with a #1 overall ranking (pg. 4-25). The HMRRP-RC notes that there are “[n]o known inconsistencies with existing plans” (pg. 4-33). The elevated water storage tank, altitude valve vault, gravel access drive, and associated improvements will be constructed within the fenced-in existing Sanchez Drive Water Treatment Plant. Thus, the proposed project is a compatible use for the area. The proposed project is in conformance with the Town’s zoning and will benefit the community.</p> <p>Attachment 15: Zoning Map.</p>
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	<p>USDA NRCS soil surveys were prepared and are in Attachment 9 for the proposed action area and the Subject Property. A Subsurface Investigation Report was prepared for the proposed project and includes recommendations based upon a review of test boring data and the proposed construction designs (Attachment 16). There will be an estimated 0.20 acre of ground disturbance for the proposed project.</p> <p>The elevated water storage tank, altitude valve vault and gravel access drive will be constructed on a previously-cleared, fenced-in portion of this large County parcel situated east of the Methodist Home for Children’s parcel and north of several Robeson County public facilities. The proposed project development area that is fenced-in currently contains the existing well, aeration basin, high service pumps, equalization basin, generator, and water treatment plant. An 8-inch to 12-inch PVC water main, associated valves and a fire hydrant will be installed in the paved parking area and gravel driveway/unnamed road running east-west to Legend Road between the fenced-in</p>

		<p>proposed tank and existing Sanchez Drive Water Treatment Plant and the Public Utilities buildings and Robeson County Ambulance Service/ EMS. Excavation, grading, and installation of pipe sections will proceed following initial excavation and will require sections of the involved roads to be closed periodically during the construction.</p> <p><i>Any fill material must come from an approved source, and applicable NC regulations on erosion control permit might apply. The soils will be confirmed to be “clean” fill and that it meets project requirements prior to importing the material. The proposed project will be designed in a way to balance the grading and not require as much off-site material, if possible. Any soil removed from the site will be quantified and only exported to an approved site per NC requirements.</i></p> <p>The proposed project activities will be completed in conformance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. All necessary permits will be identified and obtained prior to commencing work and appended to the ERR when received from the permitting agencies. According to USACE and NC DWR, there are no NC DWR buffers and Clean Water Act Section 404 and 401 permits are not required. Best management practices for erosion and sedimentation control such as silt fencing will be utilized during construction to prevent off-site sedimentation impacts and native plants used in site restoration. According to the NC DEQ DEMLR comment, “the project is less than one acre and will <i>not</i> require a Sedimentation and Erosion Control Plan nor coverage under the NPDES Construction Stormwater General Permit NCG010000.” However, Robeson County and/or its contractors shall install/maintain appropriate sedimentation and erosion control measures per the Sedimentation Pollution Control Act to prevent off-site sedimentation impacts (<i>see Attachment 20: SCH Draft EA Comments</i>). Therefore, the proposed project is not expected to adversely impact Soil Suitability/ Slope/ Erosion/ Drainage/ Stormwater Runoff at the Subject Property.</p> <p>Attachment 16: Subsurface Investigation Report. <i>See also, Attachment 9:</i> USDA NRCS Soil Surveys for Action Area and Subject Property and Attachment 20: SCH Draft EA Comments.</p>
<p>Hazards and Nuisances including Site Safety and Noise</p>	<p>2</p>	<p>Based on a site visit and review of available environmental and historical records for the Subject Property and surrounding area, the Subject Property is unlikely to contain hazardous materials, contamination, toxic chemicals and gases, and radioactive substances, where a hazard could affect the health and safety of occupants or conflict with the intended utilization of the Subject Property for elevated water storage.</p>

		<p>Construction-related activities (land clearing, grading) can cause short-term exposures to sensitive receptors from particulate matter (PM 10) such as fugitive dust and emissions from construction equipment. Mitigation measures for dust control will be implemented to reduce potential impacts to air quality during construction. The proposed project will conform to NC Air Quality Management regulations during and following construction. The contractor will use BMPs to reduce fugitive dust generation and diesel emissions. BMPs can include wetting the grading site during dry conditions; maintaining vegetative cover as much as possible around cleared areas; a water truck to stabilize potential dust during high traffic times or high wind days on heavily-travelled access roads and storage areas; and operating construction vehicles and machinery at reduced speeds to reduce soil disturbance and fugitive dust potential. BMPs to mitigate the generation of emissions during construction include limiting use of vehicles and other machinery to construction hours only and removal once construction is completed. (<i>See Clean Air Act section.</i>)</p> <p>The proposed project activities are not expected to generate excessive noise during the short-term construction work or long-term operation. Short-term construction noise will be limited to daytime hours. Construction equipment will be required to meet local sound control requirements. The proposed project activities will be completed in accordance with all applicable federal, State and local laws, regulations, and permit requirements and conditions. Therefore, the proposed project is not expected to generate any significant adverse noise impacts.</p> <p><i>See Attachment 7: NEPA Assist EPA Facilities with 1-mile Buffer, NC DEQ DWM Site Locator Reports with 1-mile and 0.5-mile Buffer, Facility Reports, Site Inspection Documentation, Historical Aerials, and EPA NC Radon Level Map. See also, Attachment 20: State Environmental Clearinghouse Comments.</i></p>
--	--	--

Environmental Assessment Factor	Impact Code	Impact Evaluation
SOCIOECONOMIC		
Employment and Income Patterns	2	There will be a temporary increase in jobs associated with the proposed project's construction activities. There will be construction on the affected low-traffic roads (Legend Road, driveway/unnamed road and parking area) that will temporarily impact traffic. The impacts will be temporary and limited to construction. There are no residences in the area of the proposed project that will have access impeded during construction. The proposed project will provide continuous water service to the Robeson County government complex and Lumberton Correctional Institution which will benefit

		employees. Thus, the proposed project is not anticipated to adversely affect employment opportunities or income patterns.
Demographic Character Changes, Displacement	2	The proposed project will not cause any change in the demographic character of the area. The proposed project does not involve residential or commercial development activities. The proposed project development area that is fenced-in currently contains the existing well, aeration basin, high service pumps, equalization basin, generator, and water treatment plant. The proposed project will not act as an isolation feature within the local area or community. The proposed project will not deny any population within the local community potential for growth. Also, the proposed project does not present the potential to cause the displacement of individuals or families, destroy jobs, local businesses or public community facilities, or disproportionately affect particular populations. Rather, the proposed project will provide continuous water service to the Robeson County government complex and Lumberton Correctional Institution.
Environmental Justice	2	<p>According to the EJSscreen Standard Report for a one-mile radius of the Subject Property, there is an approximately 79% minority population and 56% low-income population, both of which are higher than State and national averages. Further, based on the NC DEQ Community Mapping System, the Subject Property is located in the NC DEQ Potentially Underserved Block Groups 2019. (See EJSscreen Report and NC DEQ Community Map in Attachment 14.)</p> <p>Most of the EJSscreen indicators for a one-mile radius of the Subject Property are the lower than the State and National averages including Particulate Matter 2.5, Ozone, Traffic Proximity, Hazardous Waste Proximity, and USTs. Wastewater Discharge, Diesel Particulate Matter, and Lead Paint are higher than the State average but lower than the National average. Air Toxics Cancer Risk, Air Toxics Respiratory Hazard Index, Superfund Proximity, and Risk Management Plan (RMP) Facility Proximity are higher than the State and National averages. According to the EPA Green Book, Robeson County is listed as an attainment area. Based on a site visit and review of available environmental and historical records for the Subject Property and surrounding area, the Subject Property is unlikely to contain hazardous materials, contamination, toxic chemicals and gases, and radioactive substances, where a hazard could affect the health and safety of occupants or conflict with the intended utilization of the Subject Property.</p> <p>No adverse environmental impacts were identified during the proposed project's 24 CFR 58 environmental review. The proposed project does not facilitate development which would result in disproportionate adverse environmental impacts on low-income or minority populations. The proposed project</p>

		<p>does not site a nuisance or hazard in a potential environmental justice area, but rather will construct a 500,000-gallon elevated water storage tank, altitude valve vault and associated improvements to prevent future water service interruptions and allow for continued operation of these critical public facilities during and following future storm events. Thus, the proposed project does not contribute to or promote environmental injustice.</p> <p>See Attachment 14: EJScreen Standard Report, EJScreen ACS Summary Report, EJScreen Census 2010 Summary Report, EJScreen Community Report, NC DEQ Community Mapping System Map, and CDC Report for Robeson County; Attachment 5: Clean Air Act documentation; and Attachment 7: Contamination and Toxic Substances documentation.</p>
--	--	--

Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	2	<p>The proposed project will not introduce any new populations that would increase student enrollment in the district or usage of cultural facilities. Rather, this proposed project will construct a 500,000-gallon elevated water storage tank, altitude valve vault and associated improvements to prevent future water service interruptions and allow for continued operation of critical public facilities during and following future storm events. Thus, the proposed project will not have an impact on educational or cultural facilities.</p>
Commercial Facilities	2	<p>The proposed project involves construction of a 500,000-gallon elevated water storage tank, altitude valve vault and associated improvements to prevent future water service interruptions at the Robeson County government complex. The proposed project will not introduce new populations through a residential development or otherwise increase demand for retail or other commercial facilities. There are no commercial facilities near the Subject Property that will be affected by the construction or operation of the proposed project. Thus, there are no impacts anticipated from the proposed project on commercial facilities.</p> <p>Attachment 17: Commercial Facilities Google Maps Search Results.</p>
Health Care and Social Services	2	<p>The proposed project will not introduce any new residential development that would increase the demand for routine or emergency health services. The Robeson County Ambulance Service/ EMS offices and Emergency Operations Center will benefit from the proposed project by having uninterrupted water service during and following future storm events. Thus, the proposed project is not anticipated to have an adverse impact on health care and social services.</p>

Solid Waste Disposal / Recycling	2	<p>All construction wastes will be appropriately disposed of according to the type of waste generated and construction waste management practices in an appropriate, legally compliant receiving facility.</p> <p>The NC DEQ DWM Solid Waste Section (Section) commented that for “any planned or proposed projects, it is recommended that during any land clearing, demolition, and construction, the City of Lumberton [Robeson County] and/or its contractors would make every feasible effort to minimize the generation of waste, to recycle materials for which viable markets exist, and to use recycled products and materials in the development of this project where suitable. Any waste generated by and of the project that cannot be beneficially reused or recycled as described, may require disposal at a solid waste management facility permitted by the Division. The Section strongly recommends that the City of Lumberton [Robeson County] require all contractors to provide proof of proper disposal for all generated waste to permitted facilities.” In addition, the NC DEQ notes that “[a]ny open burning associated with [the] subject proposal must be in compliance with 15A NCAC 2D.1900.” Thus, the proposed project is not anticipated to have an adverse effect on solid waste disposal and recycling in the area.</p> <p><i>See Attachment 20:</i> State Environmental Clearinghouse Comments from NC DEQ.</p>
Waste Water / Sanitary Sewers	2	<p>The proposed project will not introduce any new development that would generate waste water. Mitigative measures such as BMPs will be utilized during construction to prevent soil and/ or debris from being washed offsite. The proposed project is not anticipated to cause the discharge of sewer to surfaces of the Subject Property or surrounding properties. The proposed project will not create waste water or affect waste water service in the area. Any additional waste water generated during construction activities would be temporary.</p> <p>The NC DEQ commented that a permit is needed to construct and operate wastewater treatment facilities, non-standard sewer system extensions and sewer systems that do not discharge into state surface waters and a permit is needed to construct and operate sewer extensions involving gravity sewers, pump stations and force mains discharging into a sewer collection system. Additionally, an NPDES permit to discharge into surface water and/ or permit to operate and construct wastewater facilities discharging into State surface waters might be required. The proposed project activities will be completed in accordance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. Thus, the proposed project is not anticipated to have an impact on local waste water/ sanitary sewers.</p>

		<i>See Attachment 20: State Environmental Clearinghouse Comments from NC DEQ.</i>
Water Supply	1	<p>The proposed project will not increase demand for water, except as needed during short-term construction. The proposed project development area that is fenced-in currently contains the existing well, aeration basin, high service pumps, equalization basin, generator, and water treatment plant. The NC DWR's Public Water Supply (PWS) section requires all water systems to maintain a minimum pressure of 30 psi for normal conditions and 20 psi for fire flow. These numbers are attainable with the proposed project's installation of an elevated water storage tank in close proximity to the Robeson County Emergency Operations Center, Sheriff's Office and Jail, EMS, Water Department, and Public Utilities buildings to avoid water system pressure loss at these County public facilities and the adjacent NC Department of Corrections' Lumberton Correctional Institution. It is critical for public health and safety that these facilities have adequate water supply during emergencies and future storm events. This proposed project will construct a 500,000-gallon elevated water storage tank, altitude valve vault and associated improvements to prevent future water service interruptions and allow for continued operation of these critical public facilities during and following future storm events.</p> <p>According to NC DWR's PWS section, plans and specifications need to be submitted and approved for an Authorization to Construct before construction starts for the proposed project. The design plans must meet Title 15A Subchapter 18C15A NCAC 18C Section .1531 Siting Requirements. The NC DWR PWS section also commented that plan approval is required for the construction, expansion, or alteration of a public water system per 15A NCAC 18C .0300 et seq. and any relocation of existing water lines during construction. All public water supply systems must comply with State and federal drinking water monitoring requirements (Attachment 20). Abandonment of any wells, if required must be in accordance with Title 15A Subchapter 2C .0100. The proposed project activities will be completed in accordance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. Permits required for this proposed project shall be obtained before commencing work and appended to the ERR when received from the permitting agencies. The proposed project is anticipated to have a beneficial impact on water supply access and service in the area particularly during and following future storm events.</p> <p><i>See Attachment 20: State Environmental Clearinghouse Comments from NC DEQ.</i></p>
Public Safety - Police, Fire and Emergency Medical	1	The proposed project will not generate new demand for police, fire, or emergency services. The proposed project's installation of an elevated water storage tank in the vicinity of the Robeson

		County Emergency Operations Center, Sheriff's Office and Jail, Robeson County Ambulance Service/ Emergency Medical Services, Water Department, and Public Utilities buildings will avoid water pressure loss at these County public facilities and the adjacent NC Department of Corrections' Lumberton Correctional Institution. It is critical for public health and safety that these facilities have adequate water supply during emergencies and future storm events. Therefore, the proposed project is anticipated to have a beneficial impact on police, fire, and particularly, emergency medical services in the area.
Parks, Open Space and Recreation	2	The proposed project will not introduce new development that would generate demand for parks, open spaces or recreational areas or impede their access. There are no parks located in an approximately three mile area surrounding the Subject Property. The Robeson County Fairgrounds is the closest recreational facility located northeast of the Subject Property. Therefore, the proposed project is not anticipated to have adverse impacts to parks, open spaces or recreational areas. Attachment 18: Parks, Open Space and Recreation Google Maps Search Results.
Transportation and Accessibility	2	The proposed project will not introduce new development that generates continuing demand for transportation access or transportation services. There will be construction on the affected low-traffic roads (Legend Road, driveway/unnamed road and parking area) that will temporarily impact traffic. The impacts will be temporary and limited to construction. Excavation, grading, and installation of pipe sections will proceed following initial excavation and will require sections of the involved roads to be closed periodically during the construction. There are no residences in the area of the proposed project that will have access impeded during construction. An NC DOT Encroachment Permit might be required for this project. The proposed project activities will be completed in accordance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. Thus, the proposed project is not anticipated to have an adverse impact on transportation and accessibility.

Environmental Assessment Factor	Impact Code	Impact Evaluation
NATURAL FEATURES		
Unique Natural Features, Water Resources	2	According to the NC NHP database query report, there is the Lumberton Correctional Institution Managed Area next to the Subject Property. There are no important natural communities, natural areas, and/or conservation areas located within one mile of the Subject Property. Since the proposed project will benefit the Lumberton Correctional Institution and surrounding Robeson County government facilities, there are no adverse impacts anticipated on this Managed Area.

	<p>There are USFWS NWI mapped riverines and potential wetlands located on the Subject Property. Based on the USFWS NWI map, site visit, and USACE correspondence, the proposed project development area is not located in or adjacent to a wetland or riverine. The closest onsite USFWS NWI-mapped riverine (R5UBH) and potential wetland is approximately 250 feet northwest from the proposed project's LOD. Another NWI-mapped riverine (R4SBC) and potential wetland connects north to Little Jacob Swamp. These potential wetland areas encompass approximately 5 acres of the parcel. The Little Jacob Swamp riverine is located north of the parcel boundary approximately 0.25-mile from the proposed project's LOD and will not be adversely impacted by the proposed project.</p> <p>There has been previous, significant site modification including fill and development for the existing fenced-in water treatment plant and roads where site disturbance is planned. The elevated water storage tank, altitude valve vault and gravel access drive will be constructed on a previously-cleared, fenced-in portion of this large County parcel situated east of the Methodist Home for Children's parcel and north of several Robeson County public facilities. The proposed project development area that is fenced-in currently contains the existing well, aeration basin, high service pumps, equalization basin, generator, and water treatment plant. An 8-inch to 12-inch PVC water main, associated valves and a fire hydrant will be installed in the paved parking area and gravel driveway/unnamed road running east-west to Legend Road between the fenced-in proposed tank and existing Sanchez Drive Water Treatment Plant and the Public Utilities buildings and Robeson County Ambulance Service/ EMS. There are no riverines, open water or other water resources in the LOD where project activities are proposed.</p> <p>The proposed project activities will be completed in conformance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. All necessary permits will be identified and obtained prior to commencing work and appended to the ERR when received from the permitting agencies. According to USACE and NC DWR, there are no NC DWR buffers and Clean Water Act Section 404 and 401 permits are not required. Best management practices for erosion and sedimentation control such as silt fencing will be utilized during construction to prevent off-site sedimentation impacts and native plants used in site restoration. According to the NC DEQ DEMLR comment, "the project is less than one acre and will not require a Sedimentation and Erosion Control Plan nor coverage under the NPDES Construction Stormwater General Permit</p>
--	---

		<p>NCG010000.” However, Robeson County and/or its contractors shall install and maintain appropriate sedimentation and erosion control measures per the Sedimentation Pollution Control Act to prevent off-site sedimentation impacts (<i>see Attachment 20: SCH Draft EA Comments</i>). Thus, there are no adverse impacts anticipated to unique natural features or water resources from the proposed project.</p> <p><i>See Attachment 8: USFWS Correspondence and USFWS Raleigh FO 10-step Package; Attachment 10: EO 11988 Floodplain Management and EO 11990 Wetlands Protection Determination; and Attachment 20: State Environmental Clearinghouse Comments.</i></p>
Vegetation, Wildlife	2	<p>The elevated water storage tank, altitude valve vault and gravel access drive will be constructed on a previously-cleared, fenced-in portion of this large County parcel. The proposed project development area that is fenced-in currently contains the existing well, aeration basin, high service pumps, equalization basin, generator, and water treatment plant. An 8-inch to 12-inch PVC water main, associated valves and a fire hydrant will be installed in the paved parking area and gravel driveway/unnamed road running east-west to Legend Road between the fenced-in proposed tank and existing Sanchez Drive Water Treatment Plant and the Public Utilities buildings and Robeson County Ambulance Service/ EMS. The proposed project was determined to have “no effect” on proposed, threatened, endangered, or candidate species and proposed or designated critical habitat under USFWS jurisdiction, and a “no Eagle Act permit required” determination for the Bald Eagle. A self-certification letter and online project review certification package were completed and submitted to the USFWS Raleigh Field Office (FO) on May 24, 2023.</p> <p>The proposed project activities will be completed in conformance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. All necessary permits will be identified and obtained prior to commencing work and appended to the ERR when received from the permitting agencies. According to USACE and NC DWR, there are no NC DWR buffers and Clean Water Act Section 404 and 401 permits are not required. Best management practices for erosion and sedimentation control such as silt fencing will be utilized during construction to prevent off-site sedimentation impacts and native plants used in site restoration. According to the NC DEQ DEMLR comment, “the project is less than one acre and will not require a Sedimentation and Erosion Control Plan nor coverage under the NPDES Construction Stormwater General Permit NCG010000.” However, Robeson County and/or its contractors shall install and maintain appropriate</p>

		<p>sedimentation and erosion control measures per the Sedimentation Pollution Control Act to prevent off-site sedimentation impacts (<i>see Attachment 20: SCH Draft EA Comments</i>). Thus, there are no adverse impacts anticipated to vegetation or wildlife resources from the proposed project.</p> <p><i>See Attachment 8: USFWS Correspondence and USFWS Raleigh FO 10-step Package.</i></p>
Other Factors	1	<p>The proposed project is necessary to have optimally functioning public facilities, including the Robeson County Emergency Operations Center, during and after future storm events. The Robeson County Emergency Operations Center hosts County officials and State and federal agencies working towards a fast and effective recovery following storm events. The proposed project will ensure emergency personnel have a continuous potable water supply during critical times which will benefit emergency operations throughout the community. The proposed project will enable the Emergency Operations Center and other facilities, such as the Robeson County Ambulance Service/ EMS, to maintain water pressure which will allow for uninterrupted operations during and in the aftermath of future storm events for the benefit of the entire County population.</p>

Environmental Assessment Factor	Impact Code	Impact Evaluation
CLIMATE AND ENERGY		
Climate Change Impacts EO 14008	2	<p>According to NOAA, climate change is likely increasing the intensity of tropical cyclones. The Subject Property is not located within a coastal zone area. The proposed project development area/ LOD for the elevated water storage tank, altitude valve vault and associated water mains is not located within 100- or 500-year floodplain.</p> <p>According to the EJSscreen's Climate Change Data, the Subject Property has a 0.67 average change in drought (5-year SPEI), no projected coastal flood hazards or sea level rise, but portions outside of the proposed project development area have projected 100-year floodplain, the census block group contains 90% properties at wildfire risk in 2022 and 87% properties at wildfire risk in 2052, and the census block group contains 86% properties at flood risk in 2022 and 89% properties at flood risk in 2052. The data from the EJSscreen is representative for the area, and lower risk percentiles than some portions of the surrounding area. According to the Climate Mapping For Resilience and Adaptation Tool (CMRAT) data for the Subject Property's census tract, there is a relatively high risk (National Risk Index Ratings) of Extreme Heat and Drought; relatively moderate risk for Wildfire and Flooding; and Coastal Inundation is not</p>

		<p>applicable (Attachment 19). Overall, the reviewed data does not present any additional significant site concerns. Rather, this proposed project will construct a 500,000-gallon elevated water storage tank, altitude valve vault and associated improvements to prevent future water service interruptions and allow for continued operation of critical public facilities during and following future storm events. Thus, the proposed project should be beneficial to the community and not have adverse impacts to or from climate change.</p> <p>Attachment 19 – EJScreen website’s Climate Change Data, CMRAT Data for Robeson County, NC, and NCORR Community Recovery/ Infrastructure (CRI) Program, Project Information Form (PIF), August 12, 2022.</p> <p>See also, https://www.climate.gov/news-features/understandingclimate/climate-change-probably-increasing-intensitytropical-cyclones, https://ejscreen.epa.gov/mapper/, and https://livingatlas.arcgis.com/assessment-tool/home</p>
Energy Efficiency	2	<p>The proposed project will cause a minimal increase in energy use as compared to the current use. However, the proposed project will be connected to existing pumps and will not require additional infrastructure. The existing power infrastructure can support the proposed project.</p>

Additional Studies Performed:

- Subsurface Investigation Report by GeoTechnologies, Inc. dated February 2, 2023 (**Attachment 16**)

Field Inspection (Date and completed by):

- Sam R. Noble, Jr., Senior Project Engineer, Withers Ravenel, June 27, 2023

List of Sources, Agencies and Persons Consulted [40 CFR 1508.9(b)]:

References:

- Robeson County Parcel Data and Zoning Map, at https://maps.roktech.net/ROKMAPS_Robeson/#
- Fact Sheet #D1: Siting HUD-Assisted Projects in Accident Potential Zones
- U.S. EPA NEPAAssist Tool, at <https://nepassisttool.epa.gov/nepassist/nepamap.aspx>
- Airport Data and Information Portal (ADIP), at <https://adip.faa.gov/agis/public/#/public>
- USFWS CBRS Mapper, at <https://www.fws.gov/CBRA/Maps/Mapper.html>

- FEMA Map Service Center, at <https://msc.fema.gov/portal/home> and <https://hazards.fema.gov/femaportal/prelimdownload/searchResult.action>
- U.S. EPA, North Carolina Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants, at https://www3.epa.gov/airquality/greenbook/anayo_nc.html
- U.S. EPA, Recent Updates: Federal Register Notices Published or Effective After January 31, 2024, at <https://www3.epa.gov/airquality/greenbook/adden.html>
- NC DEQ CAMA Counties, <https://deq.nc.gov/about/divisions/coastal-management/about-coastal-management/cama-counties>
- USFWS NWI Mapper, at <https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/>
- USFWS Raleigh Field Office
- NC NHP
- USFWS Information for Planning and Consultation (IPaC), at <https://ipac.ecosphere.fws.gov/>
- NC NHP Data Explorer Tool, at <https://ncnhde.natureserve.org/>
- USFWS Critical Habitat Mapper, at <https://fws.maps.arcgis.com/apps/mapviewer/index.html?webmap=9d8de5e265ad4fe09893cf75b8dbfb77>
- National Register of Historic Places, at <https://www.nps.gov/maps/full.html?mapId=7ad17cc9-b808-4ff8-a2f9-a99909164466>
- NC HPOWEB, at <https://nc.maps.arcgis.com/home/item.html?id=79ea671ebdcc45639f0860257d5f5ed7>
- NC State Historic Preservation Office
- HUD Tribal Directory Assessment Tool (TDAT), at <https://egis.hud.gov/tdat/>
- Catawba Indian Nation
- Lumbee Tribe of NC
- NC DEQ DWM Site Locator, at <https://ncdenr.maps.arcgis.com/apps/webappviewer/index.html?id=7dd59be2750b40bebebf49fc383f688>
- USGS EROS Archive, Aerial Photography, Public Affairs Office (PAO) Image Gallery, at https://www.usgs.gov/centers/eros/science/usgs-eros-archive-aerial-photography-public-affairs-office-pao-image-gallery?qt-science_center_objects=0#qt-science_center_objects
- UNC University Libraries, Digitized Historical Maps: North Carolina Sanborn® Maps, at <https://guides.lib.unc.edu/historicalmaps/sanborn>
- DigitalNC, NC Digital Heritage Center, at <https://www.digitalnc.org/collections/city-directories/>
- USDA NRCS Soil Survey, at <https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>
- US EPA Map of Sole Source Aquifer Locations, at <https://www.epa.gov/dwssa/map-sole-source-aquifer-locations>
- Nationwide Rivers Inventory Map, at <https://www.nps.gov/subjects/rivers/nationwide-rivers-inventory.htm>
- North Carolina, National and Wild Scenic Rivers System, at <https://www.rivers.gov/north-carolina.php>

- Eligible and Suitable Rivers Map, at <https://nps.maps.arcgis.com/apps/webappviewer/index.html?id=df0f4455dc5f41bb919a3a1a49c60174>
- EJScreen, at <https://ejscreen.epa.gov/mapper/>
- NC DEQ Community Mapping, at <https://ncdenr.maps.arcgis.com/apps/webappviewer/index.html?id=1eb0fbe2bcfb4cccb3cc212af8a0b8c8>
- CDC, National Environmental Public Health Tracking Network, at <https://ephtracking.cdc.gov/InfoByLocation/?FIPS=37065&topics=1,10,2,3,4,5,6,7,8>
- NCORR Community Recovery/ Infrastructure (CRI) Program, Project Information Form (PIF), August 12, 2022
- Hurricane Matthew Resilient Redevelopment Plan - Robeson County (HMRRP-RC), May 2017, at https://files.nc.gov/rebuildnc/documents/matthew/rebuildnc_robeson_plan_combined.pdf
- City of Lumberton Tomorrow Land Use Plan (adopted September 14, 2015), at https://www.lumbertonnc.gov/DocumentCenter/View/204/Lumberton_LUP_Adopted_09142015_web_version?bidId=
- City of Lumberton, NC website, at <https://www.lumbertonnc.gov/>
- City of Lumberton, NC, Emergency Services, at <https://www.lumbertonnc.gov/157/Emergency-Services>
- Google Maps and Google Earth
- City of Lumberton, NC, Park Facilities, at <https://www.lumbertonnc.gov/Facilities?clear=True>
- North Carolina State Parks, at <https://www.ncparks.gov/find-a-park>
- Climate Change is Probably Increasing the Intensity of Tropical Cyclones, NOAA, March 9, 2021, at <https://www.climate.gov/news-features/understanding-climate/climate-change-probably-increasing-intensity-tropical-cyclones>
- Climate Mapping for Resilience and Adaptation Tool, at <https://livingatlas.arcgis.com/assessment-tool/home/>
- NC State Environmental Clearinghouse

Attachments:

- **Attachment 1:** Proposed Project Location Maps, Robeson County Parcel Information, and Site Plans;
- **Attachment 1A:** Site Visit Photographs;
- **Attachment 2:** NEPAssist Airport Map with 2,500-foot Buffer, NEPAssist Airport Map with 15,000-foot Buffer, and FAA Airport Master Data for LBT;
- **Attachment 3:** USFWS CBRS Map and Certification;
- **Attachment 4:** FEMA FIRMettes, PFIRM, and NFIP Community Status Book;
- **Attachment 5:** NC Nonattainment/ Maintenance Status for Each County by Year for All Criteria Pollutants (EPA Green Book);
- **Attachment 6:** NC DCM Counties Map and List;

- **Attachment 7:** NEPAssist EPA Facilities with 1-mile Buffer, NC DEQ DWM Site Locator Reports with 1-mile and 0.5-mile Buffer, Facility Reports, Site Inspection Documentation, Historical Aerials, and EPA NC Radon Level Map;
- **Attachment 8:** USFWS Raleigh FO 10-step Package and USFWS and NCORR Correspondence;
- **Attachment 9:** USDA NRCS and NCORR Correspondence including USDA NRCS Soil Surveys for Action Area and Subject Property and TIGERweb Urban Areas Map;
- **Attachment 10:** EO 11988 Floodplain Management and EO 11990 Wetlands Protection Determination;
- **Attachment 11:** NC SHPO response and NCORR submission package, TDAT results, Catawba Indian Nation response and NCORR submission packages, and Lumbee Tribe of NC Proposed Project Notification Letter;
- **Attachment 12:** U.S. EPA Sole Source Aquifer Map;
- **Attachment 13:** NEPAssist Map of DOI NPS Nationwide Rivers Inventory and National Wild and Scenic Rivers System Showing 1-mile Buffer;
- **Attachment 14:** EJSscreen Standard Report, EJSscreen ACS Summary Report, EJSscreen Census 2010 Summary Report, EJSscreen Community Report, NC DEQ Community Mapping System Map, and CDC Report for Robeson County;
- **Attachment 15:** Zoning Map;
- **Attachment 16:** Subsurface Investigation Report;
- **Attachment 17:** Commercial Facilities Google Maps Search Results;
- **Attachment 18:** Parks, Open Space and Recreation Google Maps Search Results;
- **Attachment 19:** EJSscreen website's Climate Change Data, CMRAT Data for Robeson County, NC, and NCORR Community Recovery/ Infrastructure (CRI) Program, Project Information Form (PIF), August 12, 2022; and
- **Attachment 20:** State Environmental Clearinghouse (SCH) Comments.

List of Permits to be Obtained (later identified permits will be added to the ERR):

All applicable federal, state and local permits will be identified and obtained prior to starting construction.

- NC DWR, Public Water Supply Section (all applicable)
- NC DOT Encroachment Permit

Public Outreach [24 CFR 50.23 & 58.43]:

- The proposed project's Draft EA was submitted to the NC State Environmental Clearinghouse for agency review from June 2, 2023 to July 3, 2023. The Early Notice and FONSI/NOI-RROF/Final Notice and Public Explanation of a Proposed Activity in a 100-year Floodplain and Wetland were also submitted to the NC State Environmental Clearinghouse for agency review and comment.
- Robeson County Resiliency Strategies Meetings were held on March 2, March 23, and April 17, 2017.

- The topic and proposed project were discussed at various public meetings. After both Hurricanes Matthew and Florence, the citizens commented at public meetings that the water system needs to be more resilient to pressure loss. Both hurricanes caused system-wide pressure drops. (*See* NCORR CRI PIF.)

Cumulative Impact Analysis [24 CFR 58.32]:

The proposed project and its potential environmental impacts were evaluated in accordance with 24 CFR 58 requirements to determine whether it meets federal, State, and local environmental standards. This evaluation included a review of cumulative impacts on the environment resulting from the proposed project's incremental impacts combined with other past, present, and reasonably foreseeable future actions undertaken by any party. The proposed project does not negatively impact the surrounding environment or Subject Property and will not have an adverse environmental or health effect on end users. Rather, the proposed project aims to construct a 500,000-gallon elevated water storage tank, altitude valve vault, fire hydrant, water mains, gravel access drive, and associated improvements to prevent future water service interruptions and allow for continued operation of critical public facilities during and following future storm events. The proposed project is necessary to have optimally functioning public facilities, including the Robeson County Emergency Operations Center, during critical times. Thus, the benefits of this proposed project to the residents, employees, and community of Robeson County cannot be understated.

Alternatives [24 CFR 58.40(e); 40 CFR 1508.9]

The North Carolina Resilient Redevelopment Planning (NCRRP) program as part of the 2016 Disaster Recovery Act relied upon stakeholder engagement and public involvement as an essential component. Meetings were held on strategies for resilient redevelopment in Robeson County with local officials on March 2, March 23, and April 17, 2017. Each meeting incorporated a public open house and an in-depth working session with county officials, subject matter experts, and county and municipal planners (HMRRP-RC, pg. 1-3). North Carolina Emergency Management (NCEM) utilized data, resources, and technical expertise from State agencies, the private sector, and the University of North Carolina system to determine innovative best practice strategies (HMRRP-RC, pg. 1-4). According to the HMRRP-RC, the "Robeson County Water System, add Elevated Water Tank" project (proposed project) was identified as a high priority infrastructure strategy with a #1 overall ranking according to the HMRRP-RC (pg. 4-1).

The Subject Property was chosen as ideal because it is currently County-owned and is located close to the existing water treatment plant and the Robeson County government complex enabling the water system to maintain a minimum pressure of 30 psi for normal conditions and 20 psi for fire flow which is a NC DWR Public Water Supply section requirement. The Robeson County government complex was crippled by water service interruptions during Hurricane Matthew including the Robeson County Emergency Operations Center, Sheriff's Office and Jail, EMS, Water Department, and Public Utilities buildings, and the adjacent NC Department of Corrections' Lumberton Correctional Institution. The location was shown in the HMRRP-RC along Sanchez

Drive closer to the Robeson County Water Department (pg. 4-32). However, its current proposed location provides adequate space and close proximity to the Sanchez Drive Water Treatment Plant. The elevated water storage tank, altitude valve vault, outlet structure, gravel access drive, water main, and associated piping and improvements will be constructed on a previously-cleared, fenced-in portion of this large County parcel situated east of the Methodist Home for Children's parcel and north of several Robeson County public facilities. The proposed project development area that is fenced-in currently contains the existing well, aeration basin, high service pumps, equalization basin, generator, and water treatment plant. An 8-inch to 12-inch PVC water main, associated valves and a fire hydrant will be installed in the paved parking area and gravel driveway/unnamed road running east-west to Legend Road between the fenced-in proposed tank and Sanchez Drive Water Treatment Plant and the Public Utilities buildings and Robeson County Ambulance Service/ EMS. The proposed project development area is located outside of wetland and floodplain in a fenced-in area with easy connections to existing water mains. In addition, since the County currently owns this parcel, no real property acquisition is required. The County has selected the proposed project to assist its residents, employees, and community to be protected from water service interruptions at this location during future storm events which can also adversely impact operations at the Emergency Operations Center during critical times. There were no additional alternatives, other than "No Action" Alternative, for the proposed project.

No Action Alternative [24 CFR 58.40(e)]:

The "No Action" Alternative is not considered feasible since continuous water service to the Robeson County government complex is essential for operations and public health and safety. The Hurricane Matthew storm event caused water delivery systems throughout Robeson County to be adversely impacted by widespread outages, particularly the public facilities located along Legend and Sanchez Roads. The public facilities served by this proposed project include the Robeson County Emergency Operations Center, Sheriff's Office and Jail, EMS, Water Department, and Public Utilities buildings and the adjacent NC Department of Corrections' Lumberton Correctional Institution. During and immediately following the storm event, potable water had to be transported to these facilities, both by truck and through individual bottled servings. It is critical for public health and safety that these facilities have adequate water supply during emergencies and future storm events. In addition, water pressure loss can adversely impact operations at the Emergency Operations Center during critical times. This proposed project will construct a 500,000-gallon elevated water storage tank, altitude valve vault, fire hydrant, water mains, gravel access drive, and associated improvements on a County-owned parcel to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events. There is no identifiable benefit from not completing the proposed project. The "No Action" Alternative would provide no protection to these facilities from water service interruptions during future storm events. Thus, the "No Action" Alternative is not feasible in relation to the desired objective of increasing resiliency in Robeson County from future storm events.

Summary of Findings and Conclusions:

The preceding Statutory Checklist and Environmental Assessment Checklist, and the discussion below, document that the proposed work will comply with regulations in 24 CFR part 58 and that there are no direct or cumulative adverse environmental impacts anticipated as a result of the proposed action.

Mitigation Measures and Conditions [40 CFR 1505.2(c)]:

Summarize below all mitigation measures adopted by the Responsible Entity to reduce, avoid, or eliminate adverse environmental impacts and to avoid non-compliance or non-conformance with the above-listed authorities and factors. These measures/conditions must be incorporated into project contracts, development agreements, and other relevant documents. The staff responsible for implementing and monitoring mitigation measures should be clearly identified in the mitigation plan.

Any change to the approved scope of work will require re-evaluation by the Certifying Officer for compliance with NEPA and other laws and Executive Orders.

This review does not address all federal, state, and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state, and local environmental permits and clearances may jeopardize federal funding. Guidelines, recommendations, and requirements identified during agency and the State Environmental Clearinghouse inter-agency review shall be considered and required, where applicable.

Law, Authority, or Factor	Mitigation Measure
Clean Air Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	Construction-related activities (land clearing, grading) can cause short-term exposures to sensitive receptors from particulate matter (PM 10) such as fugitive dust and emissions from construction equipment. Mitigation measures for dust control will be implemented to reduce potential impacts to air quality during construction. The proposed project will conform to NC Air Quality Management regulations during and following construction. The contractor will use BMPs to reduce fugitive dust generation and diesel emissions. BMPs can include wetting the grading site during dry conditions; maintaining vegetative cover as much as possible around cleared areas; a water truck to stabilize potential dust during high traffic times or high wind days on heavily-travelled access roads and storage areas; and operating construction vehicles and machinery at reduced speeds to

	<p>reduce soil disturbance and fugitive dust potential. BMPs to mitigate the generation of emissions during construction include limiting use of vehicles and other machinery to construction hours only and removal once construction is completed.</p>
<p>Noise Abatement and Control</p> <p>Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B</p>	<p>Short-term construction noise will be limited to daytime hours. Construction equipment will be required to meet local sound control requirements. The proposed project activities will be completed in accordance with all applicable federal, State and local laws, regulations, and permit requirements and conditions.</p>
<p>Wetlands Protection</p> <p>Executive Order 11990, particularly sections 2 and 5</p>	<p>Since there are incidental wetlands located on the Subject Property, compliance with 24 CFR 55 and EO 11990 is required. The EO 11990 Wetlands Protection Determination for the proposed project documents the 8-step process under 24 CFR 55 in Attachment 10. The proposed project has been designed to avoid wetlands. The proposed project activities will be completed in conformance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. All necessary permits will be identified and obtained prior to commencing work and appended to the ERR when received from the permitting agencies. According to USACE and NC DWR, there are no NC DWR buffers and Clean Water Act Section 404 and 401 permits are not required. Best management practices for erosion and sedimentation control such as silt fencing will be utilized during construction to prevent off-site sedimentation impacts and native plants used in site restoration. According to the NC DEQ DEMLR comment, “the project is less than one acre and will not require a Sedimentation and Erosion Control Plan nor coverage under the NPDES Construction Stormwater General Permit NCG010000.” However, Robeson County and/or its contractors shall install and maintain appropriate sedimentation and erosion control measures per the Sedimentation Pollution Control Act to prevent off-site sedimentation impacts (<i>see Attachment 20: SCH Draft EA Comments</i>).</p>
<p>Floodplain Management</p> <p>Executive Order 11988, particularly section 2(a); 24 CFR Part 55</p>	<p>Since there is incidental floodplain located on the Subject Property, compliance with 24 CFR 55 and EO 11988 is required. The EO 11988 Floodplain Management Determination for the proposed project documents the 8-step process under 24 CFR 55 in Attachment 10. The proposed project has been designed to avoid floodplain. The proposed project will comply with all applicable</p>

	<p>federal, State and local laws, regulations, and permit requirements and conditions which shall be obtained before commencing work and appended to the ERR when received from the permitting agencies. According to the USACE and NC DWR, there are no NC DWR buffers and Clean Water Act Section 404 and 401 permits are not required. Best management practices for erosion and sedimentation control such as silt fencing will be utilized during construction to prevent off-site sedimentation impacts and native plants used in site restoration. According to the NC DEQ DEMLR comment, “the project is less than one acre and will not require a Sedimentation and Erosion Control Plan nor coverage under the NPDES Construction Stormwater General Permit NCG010000.” However, Robeson County and/or its contractors shall install and maintain appropriate sedimentation and erosion control measures per the Sedimentation Pollution Control Act to prevent off-site sedimentation impacts (<i>see Attachment 20: SCH Draft EA Comments</i>).</p>
<p>Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff</p>	<p>Any fill material must come from an approved source, and applicable NC regulations on erosion control permit might apply. The soils will be confirmed to be “clean” fill and that it meets project requirements prior to importing the material. The proposed project will be designed in a way to balance the grading and not require as much off-site material, if possible. Any soil removed from the site will be quantified and only exported to an approved site per NC requirements.</p>
<p>Solid Waste Disposal / Recycling</p>	<p>All construction wastes will be appropriately disposed of according to the type of waste generated and construction waste management practices in an appropriate, legally compliant receiving facility.</p> <p>The NC DEQ DWM Solid Waste Section (Section) commented that for “any planned or proposed projects, it is recommended that during any land clearing, demolition, and construction, the City of Lumberton [Robeson County] and/or its contractors would make every feasible effort to minimize the generation of waste, to recycle materials for which viable markets exist, and to use recycled products and materials in the development of this project where suitable. Any waste generated by and of the project that cannot be beneficially reused or recycled as described, may require disposal at a solid waste management facility permitted by the Division.</p>

	<p>The Section strongly recommends that the City of Lumberton [Robeson County] require all contractors to provide proof of proper disposal for all generated waste to permitted facilities.” In addition, the NC DEQ notes that “[a]ny open burning associated with [the] subject proposal must be in compliance with 15A NCAC 2D.1900.” <i>See Attachment 20: State Environmental Clearinghouse Comments from NC DEQ.</i></p>
<p>Waste Water / Sanitary Sewers</p>	<p>The NC DEQ commented that a permit is needed to construct and operate wastewater treatment facilities, non-standard sewer system extensions and sewer systems that do not discharge into state surface waters and a permit is needed to construct and operate sewer extensions involving gravity sewers, pump stations and force mains discharging into a sewer collection system. Additionally, an NPDES permit to discharge into surface water and/ or permit to operate and construct wastewater facilities discharging into State surface waters might be required. The proposed project activities will be completed in accordance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions.</p>
<p>Water Supply</p>	<p>According to NC DWR’s PWS section, plans and specifications need to be submitted and approved for an Authorization to Construct before construction starts for the proposed project. The design plans must meet Title 15A Subchapter 18C15A NCAC 18C Section .1531 Siting Requirements. The NC DWR PWS section also commented that plan approval is required for the construction, expansion, or alteration of a public water system per 15A NCAC 18C .0300 et seq. and any relocation of existing water lines during construction. All public water supply systems must comply with State and federal drinking water monitoring requirements (Attachment 20). Abandonment of any wells, if required must be in accordance with Title 15A Subchapter 2C .0100. The proposed project activities will be completed in accordance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. Permits required for this proposed project shall be obtained before commencing work and appended to the ERR when received from the permitting agencies.</p>

Determination:

Finding of No Significant Impact [24 CFR 58.40(g)(1); 40 CFR 1508.27]
The project will not result in a significant impact on the quality of the human environment.

Finding of Significant Impact [24 CFR 58.40(g)(2); 40 CFR 1508.27]
The project may significantly affect the quality of the human environment.

Preparer Signature: Andrea Siivers Date: 2/9/24

Name/Title/Organization: Andrea Gievers, Environmental SME, NCORR

Certifying Officer Signature:  Date: 2/9/2024

Name/Title: Matthew Arlyn, Chief Recovery Officer, NCORR

This original, signed document and related supporting material must be retained on file by the Responsible Entity in an Environmental Review Record (ERR) for the activity/project (ref: 24 CFR Part 58.38) and in accordance with recordkeeping requirements for the HUD program(s).




ATTACHMENT 1:

**Proposed Project Location Maps, Robeson County
Parcel Information, and Site Plans**

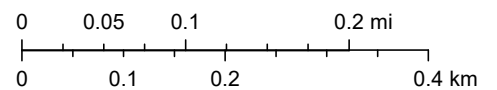
Legend Road Water Tank - Aerial Map



January 16, 2024

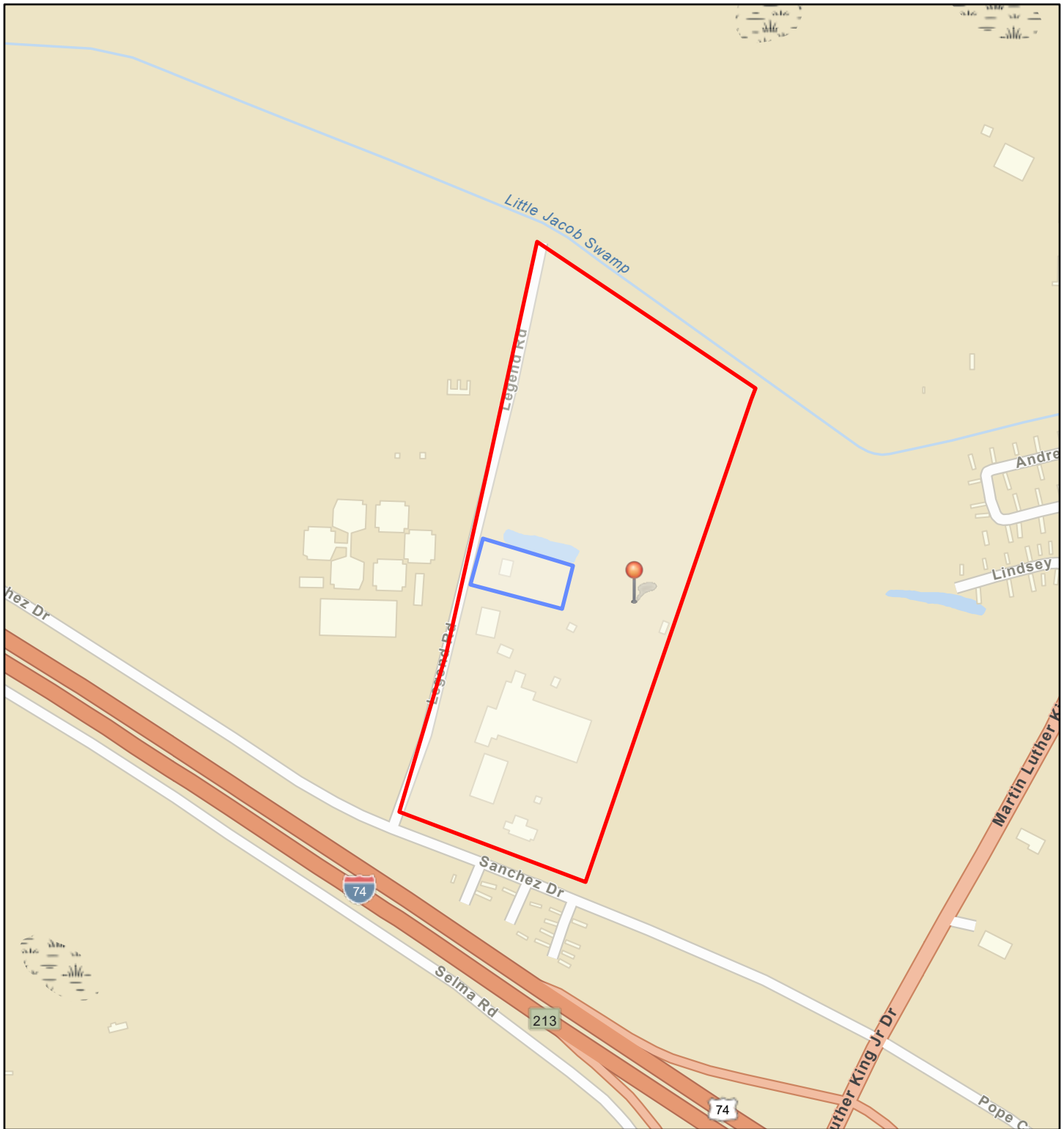
-  Legend Road Water Tank
-  Proposed Water Tank
-  Excluded Parcel

1:9,028



NC CGIA, Maxar, Esri Community Maps Contributors, State of North Carolina DOT, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS


Legend Road Water Tank - Street Map



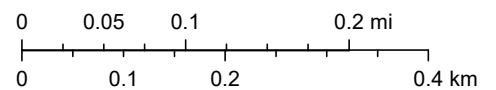
January 16, 2024

1:9,028

 Legend Road Water Tank

 Proposed Water Tank

 Excluded Parcel




Esri Community Maps Contributors, State of North Carolina DOT, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Legend Road Water Tank - Topographic Map

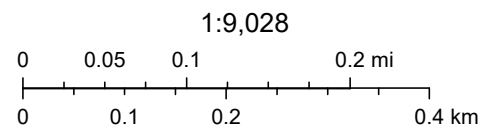


January 16, 2024

 Legend Road Water Tank

 Proposed Water Tank

 Excluded Parcel





Robeson County Ambulance Service

N.C. Dept of Corrections

Proposed 12' Water Main

Proposed Elevated Tank

R.C. Public Utilities

Existing Well Treatment

R.C. Sheriff's Office

R.C. Jail

Robeson County Emergency Operations

R.C. Water Dept.

1 inch = 200 feet



Legend Road Water Tank – Action Area



Legend Road Water Tank – Google Earth





Robeson County Government

PROPERTY REPORT - PRINT

Property Owner	Owner's Mailing Address	Property Location Address
COUNTY OF ROBESON C/O FINANCE	550 N CHESTNUT ST 4TH FLOOR LUMBERTON , NC 283580000	120 LEGEND RD

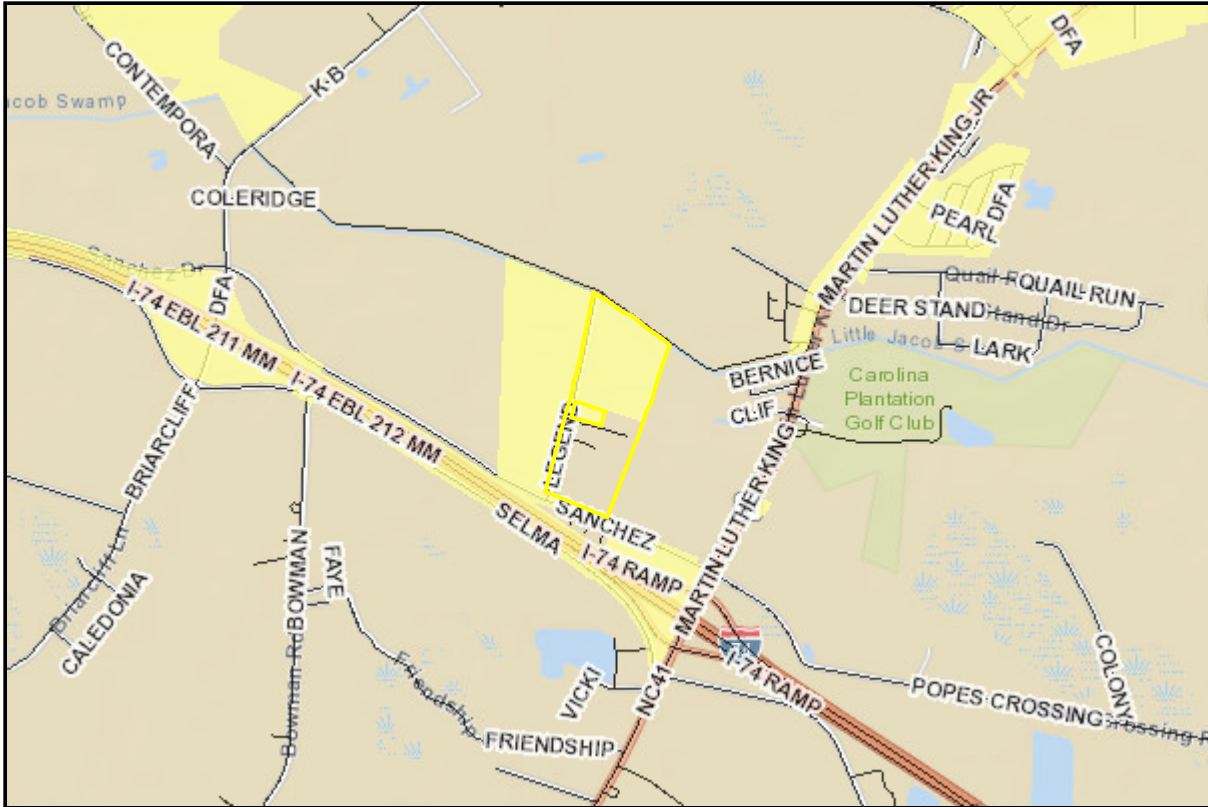
Administrative Data	Administrative Data	Valuation Information
Parcel Ref No. 02090100501 PIN Account No. 46904033 Tax District TOWN LUMBERTON Land Use Code E-12 Land Use Desc COUNTY PROPERTY W/ASSESTS Subdiv Code Subdiv Desc Neighborhood 32C30	Legal Desc AC N/S SR 2316 JAIL SITE Deed Bk/Pg / Plat Bk/Pg / Sales Information Grantor Sold Date 2005-01-01 Sold Amount \$ 0	Market Value \$ 8,421,000 Market Value - Land and all permanent improvements, if any, effective January 1, 2010, date of County's most recent General Reappraisal Assessed Value \$ 8,421,000 If Assessed Value not equal Market Value then subject parcel designated as a special class -agricultural, horticultural, or forestland and thereby eligible for taxation on basis of Present-Use and/or reduction from a formal appeal procedure
		Land Supplemental
		Map Acres 60.96 Tax District Note JACOB SWAMP MAINTENANCE Present-Use Info

Improvement Detail	
(1st Major Improvement on Subject Parcel)	
Year Built	1992
Built Use/Style	CORRECTIONAL
Current Use	B /
* Percent Complete	100
Heated Area (S/F)	62,840
** Bathroom(s)	0 Full Bath(s) 0 Half Bath(s)
** Bedroom(s)	0
Fireplace (Y/N)	N
Basement (Y/N)	N
Attached Garage (Y/N)	N
*** Multiple Improvements	005
* Note - As of January 1 ** Note - Bathroom(s), Bedroom(s), shown for description only *** Note - If multiple improvements equal "MLT" then parcel includes additional major improvements	

Improvement Valuation (1st Major Improvement on Subject Parcel)	
* Improvement Market Value \$	** Improvement Assessed Value \$
7,616,200	7,616,200
* Note - Market Value effective Date equal January 1, 2010, date of County's most recent General Reappraisal ** Note - If Assessed Value not equal Market Value then variance resulting from formal appeal procedure	

Land Value Detail (Effective Date January 1, 2010, date of County's most recent General Reappraisal)		
Land Market Value (LMV) \$	Land Present-Use Value (PUV) \$ **	Land Total Assessed Value \$
804,800	804,800	804,800
** Note: If PUV equal LMV then parcel has not qualified for present use program		

County of Robeson, NC



MAPNO	02090100501
PIN_NUMBER	938035514300
PARCELTYPE	Base Parcel
CONFLICTNOTATION	
DEEDEDACRES	60.96
OWNERTYPE	Private
STATUS	null
OLDMAPNO	0209-01-00501A
NUMMOD	null
LOT	null
NBHD_CODE	32C30
TAX_YEAR	2022
PAR_CODE	
MAP	
SUBMAP	
BLOCK	
PARCEL	
SUBPARCEL	
PHYLOCAT	91832
CITYCODE	
ROUTENUM	0
OWNERID	46904033
CUROWNID	46904033

OWNAM1	COUNTY OF ROBESON
OWNAM2	C/O FINANCE
OWNAM3	
OWADR1	550 N CHESTNUT ST
OWADR2	4TH FLOOR
OWADR3	
OWADR4	
OWCITY	LUMBERTON
OWSTATE	NC
OWZIP	283580000
STNUM	120
STSUFFIX	
STDIR	
STNAME	LEGEND
STTYPE	RD
STDIRSUF	
UNITNO	
DEEDACRE	60.96
MAPACRE	60.96
DISTCODE	52
TOWNCODE	2
PARDESC3	J62
PARDESC1	E-12
NBHCLASS	
NBHCODE	32C30
EXEMCODE	E12
DEEDBOOK	null
DEEDPAGE	null
DEEDYEAR	null
PLATBOOK	null
PLATPAGE	null
DATESOLD	null
LEGDESC1	AC N/S SR 2316 JAIL SITE
LEGDESC2	
LEGDESC3	WATER CUST SVC BLDG
PARDESC4	
GROUPPAR	
REQREVIEW	
PHYSTRADR	120 LEGEND RD
SCHCODE	0
AREACODE	1
LNDASVCUR	804800
IMPASVCUR	7616200
QUALCODE	null

RECTYPE	null
SALEAMT	null
SALEINST	null
DEEDSTMP	null

ROBESON COUNTY COUNTY-WIDE WATER SYSTEM

Legend Road 0.500 MG Elevated Tank

KELLIE BLUE, COUNTY MANAGER
SHELTON HILL, ASSISTANT COUNTY MANAGER
JASON KING, ASSISTANT COUNTY MANAGER

COMMISSIONERS

WIXIE STEPHENS - CHAIRMAN
H. T. (TOM) TAYLOR - VICE CHAIRMAN
PAULINE CAMPBELL
JOHN CUMMINGS
FALINE DAIL
DAVID EDGE
LANCE HERNDON
JUDY SAMPSON

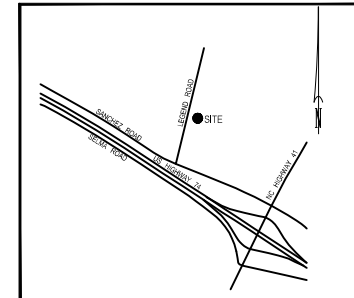
TAMMY FREEMAN, CLERK TO THE BOARD
MYRON NEVILLE, PUBLIC UTILITIES DIRECTOR

Table of Contents

- 1 - Site Plan
- 2 - 12" Water Main Plan & Profile
- 3 - Tank Elevation & Details
- 4 - Altitude Valve & Vault
- D-1 - Detail Sheet



LIMITS OF WORK SHALL INCLUDE
ALL AREAS INSIDE WOODROW
& EXISTING UTILITIES EASEMENTS
AS SHOWN ON PLANS.



VICINITY MAP



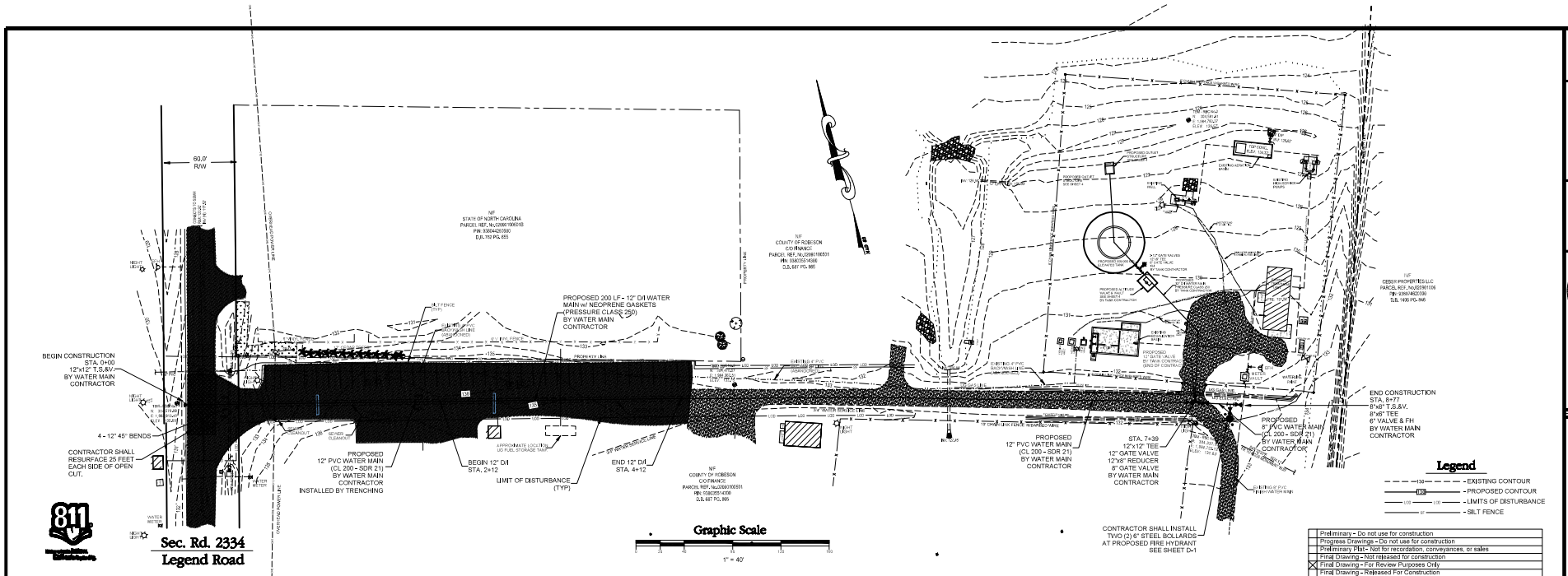
10/12/2021

<input type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary Plan - Not for recordation, conveyances, or sales
<input type="checkbox"/>	Final Drawing - Not released for construction
<input checked="" type="checkbox"/>	Final Drawing - For Review Purposes Only
<input type="checkbox"/>	Final Drawing - Released For Construction

WithersRavenel · Engineers · Planners · Surveyors



208 E. 5th Street Lumberton, NC 28358 Phone: 910-738-9376 Fax: 910-738-9378 Email: lmcbryde@withersravenel.com Lic. No.- F-1479



Sec. Rd. 2334
Legend Road

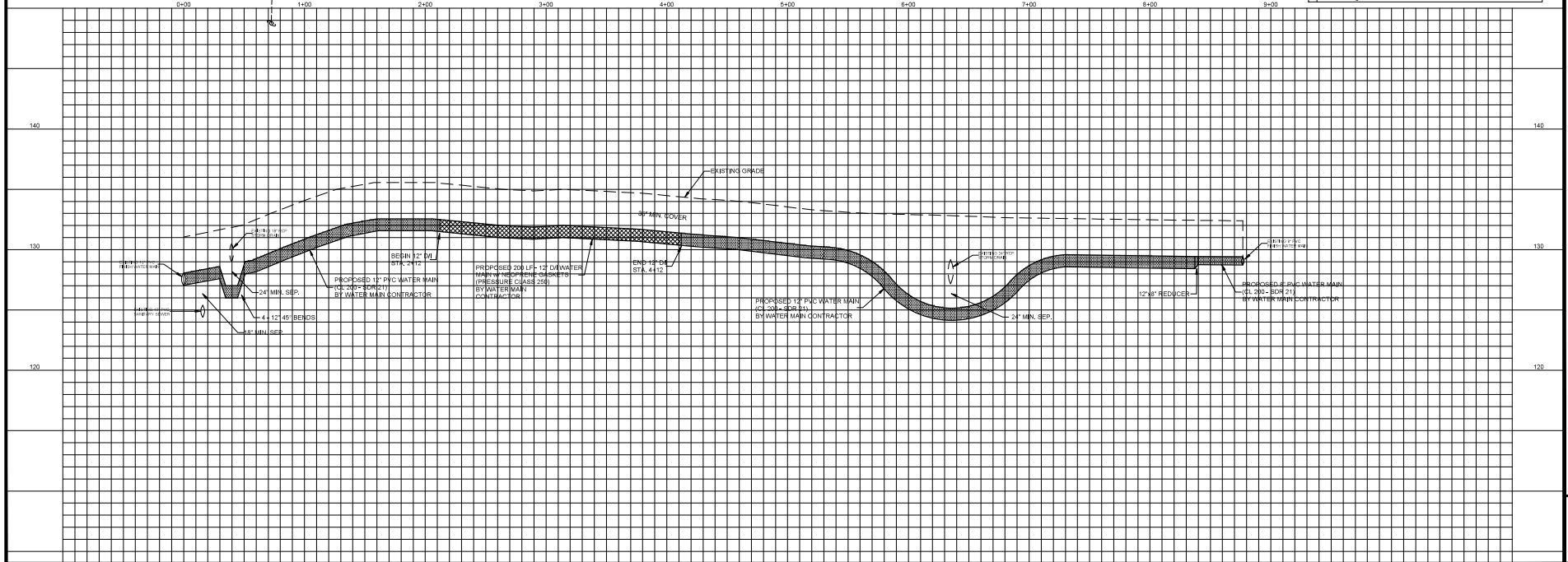
Graphic Scale

1" = 40'

Legend

- - - - - EXISTING CONTOUR
- - - - - PROPOSED CONTOUR
- - - - - LIMITS OF DISTURBANCE
- - - - - SILT FENCE

	Preliminary - Do not use for construction
	Progress Drawing - Do not use for construction
	Preliminary Plan - Not for recordation, conveyances, or sales
	Final Drawing - Not released for construction
	Final Drawing - For Review Purposes Only
	Final Drawing - Released For Construction



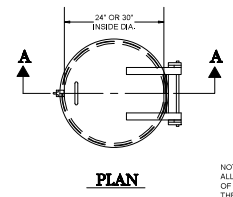
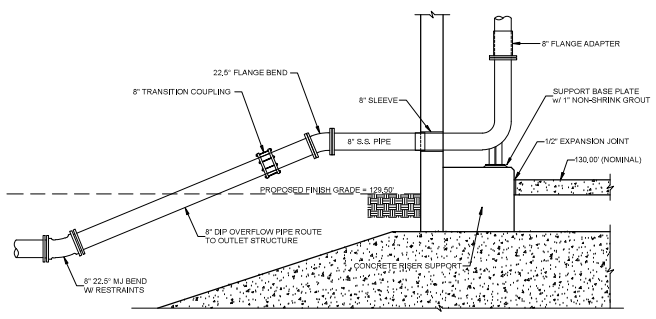
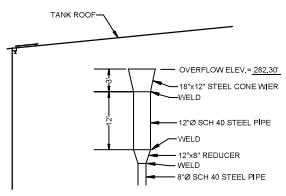
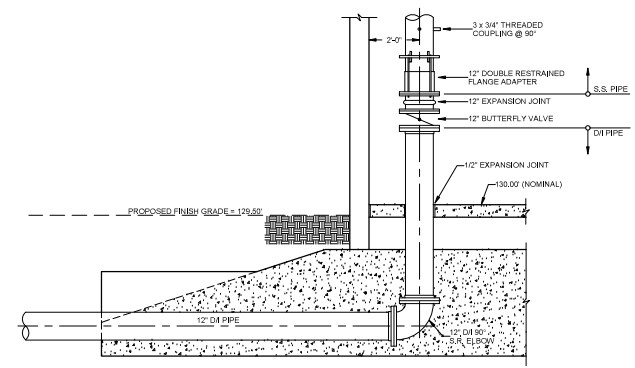
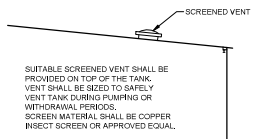
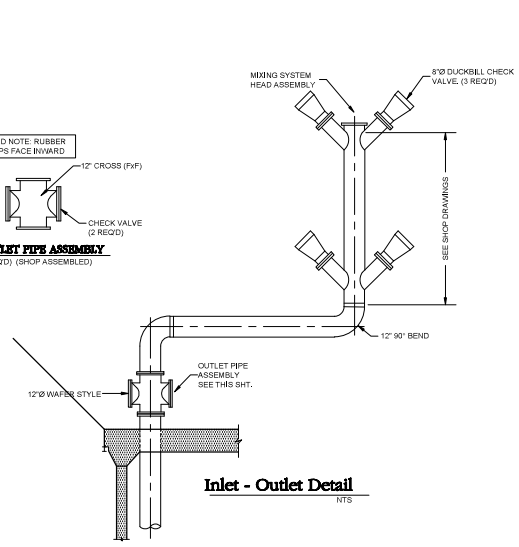
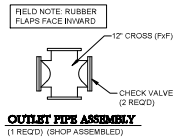
camconnect Legend Road Tank12 1/20/24 MZM

DATE: 01/12/2023
 DRAWN BY: J. WITHERS
 CHECKED BY: J. WITHERS
 DATE: 01/12/2023
 PROJECT NO.: 23-001-001
 SHEET NO.: 2
 OF 4

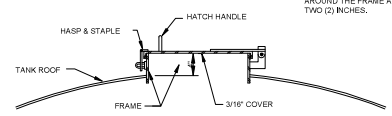
WITHERS RAVENEL ENGINEERS PLANNERS SURVEYORS
 208 EAST 5th STREET • LUMBURTON, N.C. 28886 • PHONE: 919-739-9376 • FAX: 919-739-9378 • LIC. NO.: F-4479 • EMAIL: info@wrengineering.com

ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK SITE - PROPOSED WATER MAIN

SHEET NO. **2**
 OF 4

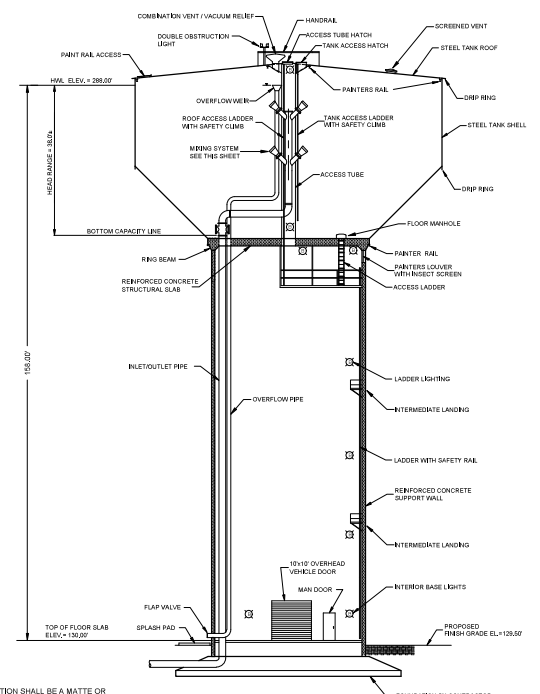


NOTE: ROOF HATCH SHALL MEET ALL APPLICABLE REQUIREMENTS OF 15M-NCA-C-18C, 0405(N)(2). THE COVER SHALL EXTEND DOWN AROUND THE FRAME AT LEAST TWO (2) INCHES.



24" or 30" Roof Hatch
NTS

- NOTES:
1. TANK CONTRACTOR TO MOUNT DOUBLE OBSTRUCTION LIGHTS ON TOP OF TANK. SEE SPECIFICATIONS FOR DETAILS.
 2. TANK CONTRACTOR SHALL INSTALL CONDUIT, LIGHTS, & ELECTRICAL SERVICE PER SPECIFICATIONS & SPECIAL PROVISIONS.
 3. ALL CHLORINATED WATER USED FOR ELEVATED TANK DISINFECTION SHALL BE DISCHARGED TO WASTE, AS DIRECTED BY THE ENGINEER. PRIOR TO REFILLING THE ELEVATED TANK FOR BACTERIOLOGICAL TESTING.
 4. LADDERS SHALL BE PROVIDED AS REQUIRED BY SPECIFICATIONS.



NOTE: FOUNDATION SHALL BE A MATTE OR RINGWALL FOUNDATION WITH A DEPTH NOT TO EXCEED 10 FEET BELOW FINISHED GRADE OR FINISH SHALL BE INSTALLED TO A DEPTH OF NOT MORE THAN 65 FEET.

<input type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawing - Do not use for construction
<input type="checkbox"/>	Preliminary P&ID - Not for recordation, conveyances, or sales
<input type="checkbox"/>	Final Drawing - Not released for construction
<input checked="" type="checkbox"/>	Final Drawing - For Review Purposes Only
<input type="checkbox"/>	Final Drawing - Released For Construction

REVISIONS PER PLAN

DATE: JAN. 2023

CHECKED BY: DAN

DRAWN BY: DAN

PROJECT NO.:

DATE: JAN. 2023

FILE NO.: DWG CHAIN

PROJECT NO.:

10/12/2023

WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS

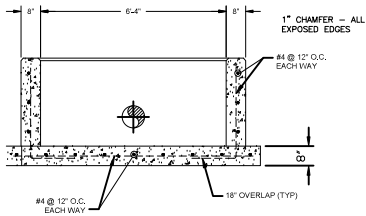
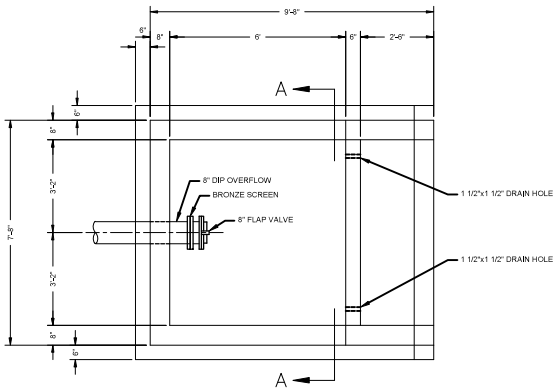
208 EAST 5th STREET • LUMBERTON, N.C. 28088 • PHONE: 910-399-9316 • FAX: 910-399-9318 • LIC. NO. E-4479 • EMAIL: WwEngineering@out.net

ROBESON COUNTY COUNTY-WIDE WATER SYSTEM

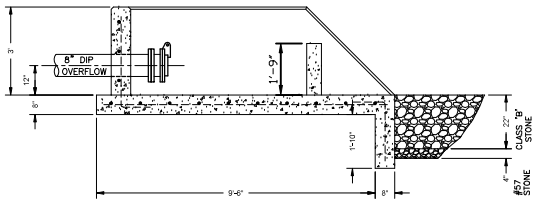
LEGEND ROAD TANK - TANK ELEVATION AND DETAILS

SHEET NO. 3

OF 4

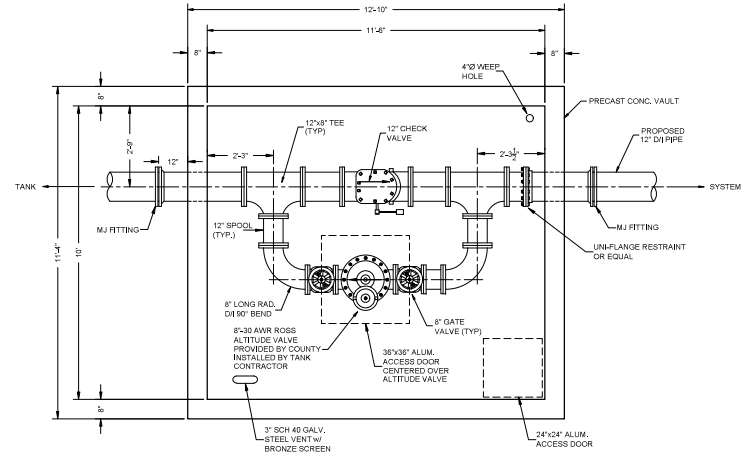


NOTE:
 1. 8" OVERFLOW FLAP VALVES SHALL HAVE #4 STAINLESS STEEL SCREENS BETWEEN PIPES AND VALVE.
 2. CONCRETE SHALL BE 4000 PSI COMP. STRENGTH AT 28 DAYS.



OUTLET STRUCTURE DETAIL

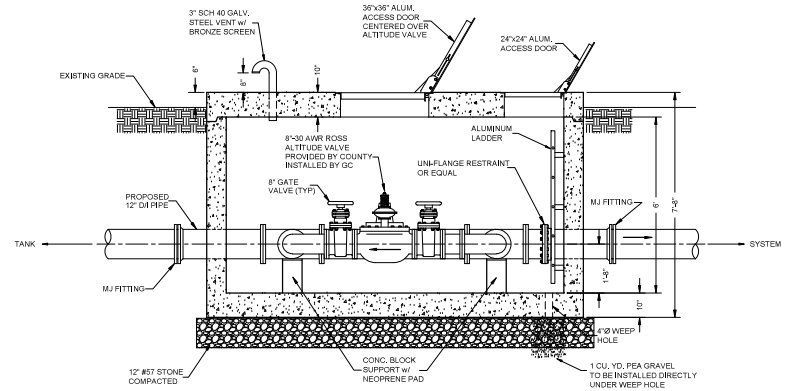
NTS



Plan View

1/2" = 1'-0"

NOTES:
 1. ALL DIP IN VAULT TO BE PAINTED WITH 2 COATS.
 2. ALL BOLTS, WASHERS & NUTS TO BE S.S. INSIDE THE VAULT.



Profile View

1/2" = 1'-0"

ALTITUDE VALVE AND VAULT DETAIL

NTS

<input type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary Plan - Not for recordation, conveyances, or sales
<input type="checkbox"/>	Final Drawings - Not released for construction
<input type="checkbox"/>	Final Drawings - For Review Purposes Only
<input checked="" type="checkbox"/>	Final Drawings - Released For Construction

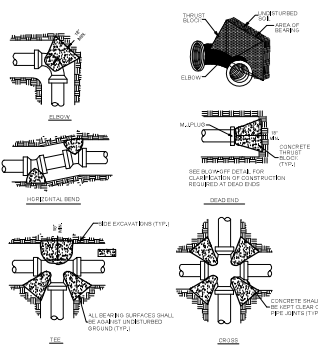
SHEET NO.

4

OF 4

WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS
 208 EAST 5th STREET • LUMBERTON, N.C. 28888 • PHONE: 910-739-9376 • FAX: 910-739-9378 • LIC. NO. F-4479 • EMAIL: WwEngineering@att.net
ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK - ALTITUDE VALVE AND VAULT

REVISIONS PER DATE
 DRAWN BY: DLR
 CHECKED BY: SON
 DATE: JAN 2023
 FILE NO.: 2023-07
 FILE NAME: 2023-07
 PROJECT NO.:
 10/12/2023



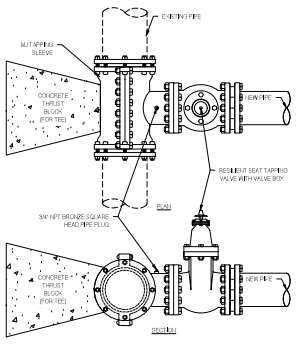
CONCRETE THRUST BLOCK DETAIL
NTS

THRUST BLOCKING SCHEDULE

PIPE DIA.	PIPE WALL THICKNESS	THRUST BLOCK AREA AND VOLUME (SQ. FT. AND CU. YD.)	NO. PER LINE
12"	0.3125"	1.00 (0.12)	1
14"	0.3125"	1.56 (0.19)	1
16"	0.3125"	2.25 (0.27)	1
18"	0.3125"	3.00 (0.36)	1
20"	0.3125"	3.84 (0.46)	1
22"	0.3125"	4.75 (0.57)	1
24"	0.3125"	5.76 (0.69)	1
26"	0.3125"	6.84 (0.82)	1
28"	0.3125"	8.00 (0.96)	1
30"	0.3125"	9.24 (1.11)	1
32"	0.3125"	10.56 (1.27)	1
34"	0.3125"	11.94 (1.44)	1
36"	0.3125"	13.38 (1.62)	1
38"	0.3125"	14.88 (1.80)	1
40"	0.3125"	16.44 (1.99)	1
42"	0.3125"	18.06 (2.18)	1
44"	0.3125"	19.74 (2.38)	1
46"	0.3125"	21.48 (2.58)	1
48"	0.3125"	23.28 (2.79)	1
50"	0.3125"	25.14 (3.00)	1
52"	0.3125"	27.06 (3.21)	1
54"	0.3125"	29.04 (3.43)	1
56"	0.3125"	31.08 (3.65)	1
58"	0.3125"	33.18 (3.88)	1
60"	0.3125"	35.34 (4.11)	1
62"	0.3125"	37.56 (4.34)	1
64"	0.3125"	39.84 (4.58)	1
66"	0.3125"	42.18 (4.82)	1
68"	0.3125"	44.58 (5.07)	1
70"	0.3125"	47.04 (5.32)	1
72"	0.3125"	49.56 (5.58)	1
74"	0.3125"	52.14 (5.84)	1
76"	0.3125"	54.78 (6.11)	1
78"	0.3125"	57.48 (6.38)	1
80"	0.3125"	60.24 (6.66)	1
82"	0.3125"	63.06 (6.94)	1
84"	0.3125"	65.94 (7.23)	1
86"	0.3125"	68.88 (7.52)	1
88"	0.3125"	71.88 (7.82)	1
90"	0.3125"	74.94 (8.12)	1
92"	0.3125"	78.06 (8.43)	1
94"	0.3125"	81.24 (8.74)	1
96"	0.3125"	84.48 (9.06)	1
98"	0.3125"	87.78 (9.38)	1
100"	0.3125"	91.14 (9.71)	1

NOTE: Values are based on a standard 150 psi concrete strength and 2000 psi unit weight concrete. 2000 psi compressive strength concrete may be used and unit weight will require greater thrust blocking area and volume.

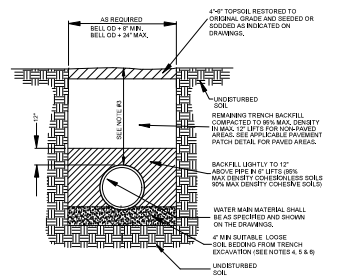
NOTE: Thrust blocking shown above is based on the use of restrained pipe as shown in the drawings.



Tapping Sleeve & Valve
NTS

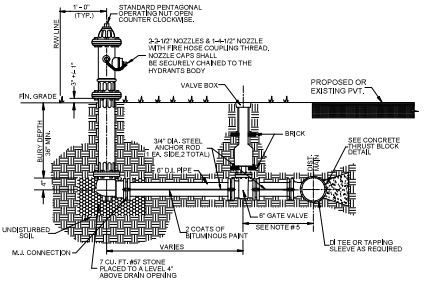
- NOTES:
1. SLEEVE BODY SHALL BE CAST IN PLACE IN MASS.
 2. THE MINOR FLANGE TO THE TAPPING SLEEVE MUST HAVE A RAISED FLANGE FACET FOR PROPER ALIGNMENT OF THE JOINT AT TAPPING POINT.
 3. THE SLEEVE SHALL INCLUDE A FULL CIRCUMFERENTIAL GASKET PROVIDING A 90° SEAL AROUND ENTIRE JOINT.
 4. ALL VALVES SHALL HAVE T-SHAPE OPERATOR HUBS WITH OPEN COUNTERSINKS.
 5. VALVE BODY GASKET & GATE SHALL BE IN ACCORDANCE WITH AWWA C900 AND C901.
 6. VALVE BODY & GASKET SHALL BE COATED WITH AN EPOXY & FIBER GLASS SURFACE WITH A MINIMUM THICKNESS OF 1/8" IN ACCORDANCE WITH AWWA C900.
 7. ALL VALVES OF 3" DIAMETER SHALL HAVE A SAFE WORKING PRESSURE OF 50 PSI.
 8. PIPE SURFACES SHALL BE CLEANED THOROUGHLY TO PERMIT FOR A GOOD SEAL WITH INSTALLATION.
 9. EXTERIOR PIPE SURFACES SHALL BE COATED WITH 3 COATS OF ASPHALT/FLY ASH COATING.
 10. EDGE OF SLEEVE SHALL BE LOCATED A MINIMUM OF 8" FROM THE REMOVED JOINT.

- GENERAL NOTES
1. THE CONTRACTOR SHALL HAVE A COMPLETE SET OF CONTRACT DOCUMENTS AS WELL AS ALL PERMIT APPROVALS AND EASEMENTS ON THE JOB SITE AT ALL TIMES.
 2. ALL SHOP DRAWINGS MUST BE REVIEWED AND APPROVED BY ENGINEER BEFORE EQUIPMENT IS ORDERED.
 3. CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL UNDERGROUND UTILITIES. KNOWN EXISTING UTILITIES HAVE BEEN LOCATED FROM THE INFORMATION AVAILABLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCURATELY LOCATE BOTH HORIZONTAL AND VERTICAL ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE NC ONE CALL CENTER AT 800.552.4343. ALL COSTS ASSOCIATED WITH ANY DAMAGE TO KNOWN OR UNKNOWN UTILITIES RESULTING FROM THE CONTRACTOR'S FAILURE TO ADEQUATELY PROTECT THE EXISTING UTILITIES DURING CONSTRUCTION SHALL BE BORNE SOLELY BY THE CONTRACTOR.
 4. CONTRACTOR SHALL MAKE EVERY EFFORT TO SAVE PROPERTY IRONS, MONUMENTS, OTHER PERMANENT POINTS AND LINES OF REFERENCE AND CONSTRUCTION STAKES. A RECORDED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE SHALL REPLACE PROPERTY IRONS, MONUMENTS, AND OTHER PERMANENT POINTS OF REFERENCE DESTROYED BY THE CONTRACTOR.
 5. CONTRACTOR SHALL CLEAN AND GRAB ALL UTILITY EASEMENTS AS DIRECTED BY THE OWNER. TO INSTALL NEW UTILITIES, ON ROADWAY RIGHT-OF-WAYS, THE CONTRACTOR SHALL ONLY REMOVE THE TREES MARKED ON THE PLANS AND SHALL MAKE EVERY EFFORT DURING CONSTRUCTION TO PROTECT THE TREES THAT ARE NOT TO BE REMOVED.
 6. THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN ALL NECESSARY EROSION CONTROL MEASURES WHETHER OR NOT SHOWN ON THE PLANS TO PROTECT ADJACENT CREEKS, RIVERS, ROADWAYS, ETC. FROM SILTATION AND EROSION.
 7. THE CONTRACTOR SHALL SUPPORT ALL UTILITY POLES AS NECESSARY. THE CONTRACTOR SHALL COORDINATE UTILITY POLE SUPPORT WITH THE APPROPRIATE UTILITY COMPANIES.
 8. CONTRACTOR SHALL RESTORE/REPLACE ALL SIGNS, MAILBOXES, ETC. ENCOUNTERED DURING CONSTRUCTION TO ORIGINAL CONDITION.
 9. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO THE EXISTING GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 10. ALL DRIVEWAYS SHALL BE REPAIRED AS SOON AS CONSTRUCTION HAS PASSED, A MINIMUM OF 2" OF C&G SHALL BE USED FOR TEMPORARY REPAIR ON ASPHALT AND CONCRETE DRIVEWAYS UNTIL PERMANENT REPAIR CAN BE COMPLETED AND A MINIMUM OF 2" OF C&G SHALL BE USED AS PERMANENT REPAIR ON GRAVEL DRIVEWAYS.
 11. CONTRACTOR SHALL REPLACE WITH NEW ALL DRIVEWAY VIBES AND OTHER DRAINAGE PIPE/CULVERTS THAT ARE DISTURBED WHILE INSTALLING THE UTILITIES. ALL PIPE/CULVERTS SHALL MEET THE REQUIREMENTS OF NCDOT.
 12. ALL ROADWAY PATCHES DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION OR BETTER AND CONFORM TO NCDOT REQUIREMENTS. ALL PATCHES SHALL BE LINED WITH EROSION CONTROL MATTING UNLESS OTHERWISE NOTED.
 13. ALL EXCAVATED MATERIAL SHALL BE PLACED WITHIN THE LIMITS OF DISTURBANCE DURING UTILITY INSTALLATION. THE CONTRACTOR SHALL PROVIDE THE NECESSARY SEGMENT AND EROSION CONTROL MEASURES TO CONTROL RUN-OFF. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED OF LEGALLY.
 14. HORIZONTAL DATUMS NAVD 83.
 15. VERTICAL DATUMS NAVD 88.

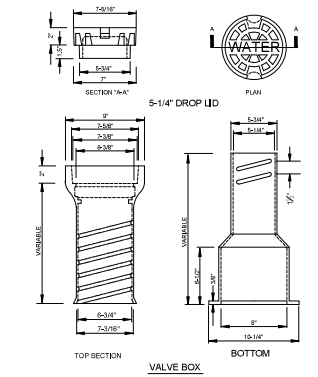


WATER MAIN BEDDING DETAIL
NTS

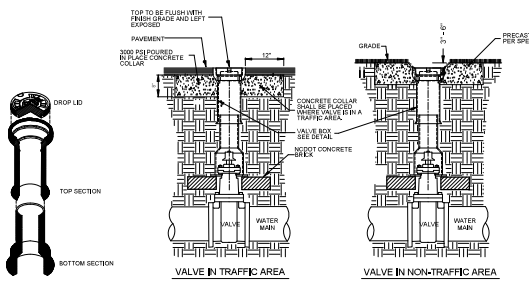
- NOTES:
1. ALL VALVES AND HYDRANTS SHALL HAVE FULL CONNECTIONS WITH RUBBER RETAINING GASKETS, RESTRAINT OR ANCHOR LOSS AND 3/4" DIA. STEEL ANCHOR RODS.
 2. 3/4" DIA. STEEL RODS AND ALL BURIED SURFACES SHALL BE PAINTED WITH 3 COATS OF BUTADIENIC PAINT. MARRIED OR SCRATCHED SURFACES SHALL BE REPAIRED. PAINT SHALL CURE PRIOR TO BACK FILLING TRENCH.
 3. FREE HYDRANTS SHALL BE PLACED AS DIRECTED BY THE ENGINEER.
 4. HYDRANT BRANCH SHALL NOT BE BACK FILLED UNTIL INSPECTED AND APPROVED BY ENGINEER.
 5. HYDRANT EXTENSIONS SHALL BE APPROVED BY ENGINEER.



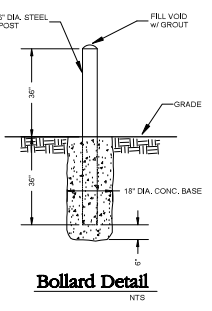
HYDRANT DETAIL
NTS



Valve Box Detail
NTS



Open Cut & Patch Detail
NTS



Bollard Detail
NTS

<input type="checkbox"/> Preliminary - Do not use for construction
<input type="checkbox"/> Progress Drawing - Do not use for construction
<input type="checkbox"/> Preliminary P&I - Not for recordation, commodities, or sales
<input type="checkbox"/> Final Drawing - Not released for construction
<input type="checkbox"/> Final Drawing - For Review Purposes Only
<input type="checkbox"/> Final Drawing - Released For Construction

ATTACHMENT 1A:

Site Visit Photographs

LEGEND ROAD WATER TANK PROJECT – SITE VISIT PHOTOGRAPHS



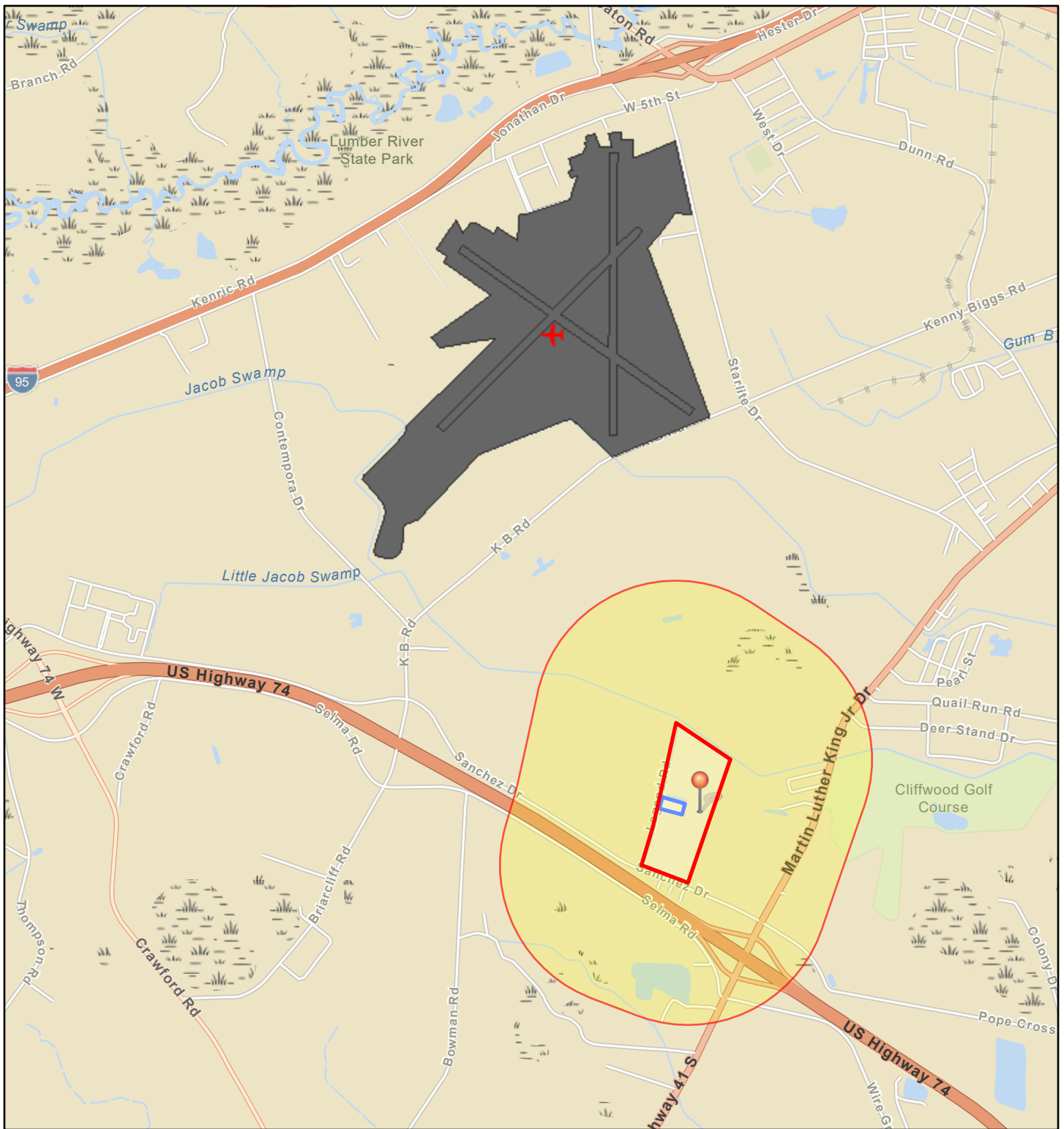
LEGEND ROAD WATER TANK PROJECT – SITE VISIT PHOTOGRAPHS



ATTACHMENT 2:

**NEPAssist Airport Map with 2,500-foot buffer,
NEPAssist Airport Map with 15,000-foot buffer, and
FAA Airport Master Data for LBT**

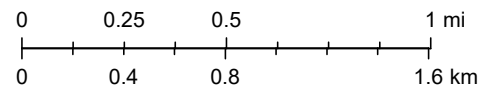
Legend Road Water Tank - Airports Map Showing 2,500-foot Buffer




January 16, 2024

1:36,112

 Legend Road Water Tank - Airports Map Showing 2,500-foot Buffer



 Proposed Water Tank

 Excluded Parcel

 Buffer graphics

 Airport Points

 Airport Polygons

State of North Carolina DOT, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, EPA OEI



> 1 ASSOC CITY: LUMBERTON 4 STATE: NC LOC ID: LBT FAA SITE NR: 16882.*A
> 2 AIRPORT NAME: LUMBERTON RGNL 5 COUNTY: ROBESON, NC
3 CBD TO AIRPORT (NM): 3 W 6 REGION/ADO: ASO / MEM 7 SECT AERO CHT: CHARLOTTE

GENERAL

10 OWNERSHIP: PUBLIC
> 11 OWNER: CITY OF LUMBERTON
> 12 ADDRESS: P. O. BOX 1388
LUMBERTON, NC 28359
> 13 PHONE NR: 910-671-3800
> 14 MANAGER: GARY LEWIS
> 15 ADDRESS: 163 AIRPORT BLVD
LUMBERTON, NC 28358
> 16 PHONE NR: 910-739-6480
> 17 ATTENDANCE SCHEDULE:

MONTHS	DAYS	HOURS
ALL	SAT-SUN	1000-1700
ALL	MON-FRI	0800-1700

SERVICES

> 70 FUEL: 100LL A1+
> 71 AIRFRAME RPRS: MAJOR
> 72 PWR PLANT RPRS: MAJOR
> 73 BOTTLE OXYGEN: NONE
> 74 BULK OXYGEN: NONE
75 TSNT STORAGE: HGR TIE
76 OTHER SERVICES: CHTR, INSTR, RNTL, SALES

BASED AIRCRAFT

90 SINGLE ENG: 31
91 MULTI ENG: 5
92 JET: 0
93 HELICOPTERS: 2
TOTAL: 38
94 GLIDERS: 0
95 MILITARY: 0
96 ULTRA-LIGHT: 0

FACILITIES

> 80 ARPT BCN: CG
> 81 ARPT LGT SKED: SEE RMK
BCN LGT SKED: SS-SR
> 82 UNICOM: 122.800
> 83 WIND INDICATOR: YES-L
84 SEGMENTED CIRCLE: YES
85 CONTROL TWR: NO
86 FSS: RALEIGH
87 FSS ON ARPT: NO
88 FSS PHONE NR:
89 TOLL FREE NR: 1-800-WX-BRIEF

OPERATIONS

100 AIR CARRIER: 0
102 AIR TAXI: 1,000
103 G A LOCAL: 10,000
104 G A ITNRNT: 12,000
105 MILITARY: 2,000
TOTAL: 25,000
OPERATIONS FOR 12 MONTHS ENDING 11/11/2019

18 AIRPORT USE: PUBLIC
19 ARPT LAT: 34-36-35.3N ESTIMATED
20 ARPT LONG: 79-3-34.4W
21 ARPT ELEV: 124.5 ESTIMATED
22 ACREAGE: 485
> 23 RIGHT TRAFFIC: NO
> 24 NON-COMM LANDING: NO
25 NPIAS/FED AGREEMENTS: YES / NGY3
> 26 FAR 139 INDEX: /

RUNWAY DATA

	13/31	05/23
> 30 RUNWAY IDENT:	5,003	5,502
> 31 LENGTH:	75	150
> 32 WIDTH:	ASPH-E	ASPH-E
> 33 SURF TYPE-COND:		
> 34 SURF TREATMENT:		
35 GROSS WT: S	8.0	15.0
36 (IN THSDS) D		80.0
37 2D		
38 2D/2DS		
> 39 PCN:	////	22/F/C/X/T

LIGHTING/APCH AIDS

	13/31	05/23
> 40 EDGE INTENSITY:		MED
> 42 RWY MARK TYPE-COND:	NPI- G / NPI- G	PIR- G / PIR- G
> 43 VGSI:	/	P4L / P2L
44 THR CROSSING HGT:	/	60 / 45
45 VISUAL GLIDE ANGLE:	/	3.00 / 3.20
> 46 CNTRLN-TDZ:	- / -	- / -
> 47 RVR-RVV:	- / -	- / -
> 48 REIL:	/	Y / Y
> 49 APCH LIGHTS:	/	/

OBSTRUCTION DATA

	13/31	05/23
50 FAR 77 CATEGORY:	A(NP) / A(V)	PIR / C
> 51 DISPLACED THR:	/ 589	160 /
> 52 CTLG OBSTN:	TREES / TREES	TREES / TREES
> 53 OBSTN MARKED/LGTD:	/	/
> 54 HGT ABOVE RWY END:	34 / 37	99 / 37
> 55 DIST FROM RWY END:	479 / 307	2,937 / 607
> 56 CNTRLN OFFSET:	125L / 147R	603R / 249L
57 OBSTN CLNC SLOPE:	8:1 / 2:1	27:1 / 10:1
58 CLOSE-IN OBSTN:	Y / Y	N / Y

DECLARED DISTANCES

	13/31	05/23
> 60 TAKE OFF RUN AVBL (TORA):	/	/
> 61 TAKE OFF DIST AVBL (TODA):	/	/
> 62 ACLT STOP DIST AVBL (ASDA):	/	/
> 63 LNDG DIST AVBL (LDA):	/	/

(>) ARPT MGR PLEASE ADVISE FSS IN ITEM 86 WHEN CHANGES OCCUR TO ITEMS PRECEDED BY >

> 110 REMARKS:

- A 017 UNATNDD CHRISTMAS & THANKSGIVING.
- A 057 RWY 31 APCH RATIO 16:1 AT DSPLCD THR.
- A 057 RWY 05 APCH RATIO 29:1 AT DSPLCD THR.
- A 058 RWY 31 15 FT ROAD 170 FT FM THR BOTH SIDES AND 10 FT FENCE 154 FT FM THR BOTH SIDES.
- A 058 RWY 13 9 FT FENCE 100 FT TO 200 FT FM THR OFFSET 240 FT L AND R OF CNTRLN.
- A 058 RWY 23 56 FT TREES 0-200 FT FM THR OFFSET 288 FT L.
- A 070 PPR FOR JET A FUEL AFTER HRS, CALL AMGR 910-608-1219.

111 INSPECTOR: (S) 112 LAST INSP: 11/11/2019 113 LAST INFO REQ:



> 1 ASSOC CITY: LUMBERTON 4 STATE: NC LOC ID: LBT FAA SITE NR: 16882.*A
> 2 AIRPORT NAME: LUMBERTON RGNL 5 COUNTY: ROBESON, NC
3 CBD TO AIRPORT (NM): 3 W 6 REGION/ADO: ASO /MEM 7 SECT AERO CHT: CHARLOTTE

GENERAL

10 OWNERSHIP: PUBLIC
> 11 OWNER: CITY OF LUMBERTON
> 12 ADDRESS: P. O. BOX 1388
LUMBERTON, NC 28359
> 13 PHONE NR: 910-671-3800
> 14 MANAGER: GARY LEWIS
> 15 ADDRESS: 163 AIRPORT BLVD
LUMBERTON, NC 28358
> 16 PHONE NR: 910-739-6480
> 17 ATTENDANCE SCHEDULE:

MONTHS	DAYS	HOURS
ALL	SAT-SUN	1000-1700
ALL	MON-FRI	0800-1700

18 AIRPORT USE: PUBLIC
19 ARPT LAT: 34-36-35.3N ESTIMATED
20 ARPT LONG: 79-3-34.4W
21 ARPT ELEV: 124.5 ESTIMATED
22 ACREAGE: 485
> 23 RIGHT TRAFFIC: NO
> 24 NON-COMM LANDING: NO
25 NPIAS/FED AGREEMENTS: YES / NGY3
> 26 FAR 139 INDEX: /

SERVICES

> 70 FUEL: 100LL A1+
> 71 AIRFRAME RPRS: MAJOR
> 72 PWR PLANT RPRS: MAJOR
> 73 BOTTLE OXYGEN: NONE
> 74 BULK OXYGEN: NONE
75 TSNT STORAGE: HGR TIE
76 OTHER SERVICES: CHTR,INSTR,RNTL, SALES
90 SINGLE ENG: 31
91 MULTI ENG: 5
92 JET: 0
93 HELICOPTERS: 2
TOTAL: 38
94 GLIDERS: 0
95 MILITARY: 0
96 ULTRA-LIGHT: 0

OPERATIONS

> 80 ARPT BCN: CG 100 AIR CARRIER: 0
> 81 ARPT LGT SKED: SEE RMK 102 AIR TAXI: 1,000
BCN LGT SKED: SS-SR 103 G A LOCAL: 10,000
> 82 UNICOM: 122.800 104 G A ITNRNT: 12,000
> 83 WIND INDICATOR: YES-L 105 MILITARY: 2,000
84 SEGMENTED CIRCLE: YES TOTAL: 25,000
85 CONTROL TWR: NO
86 FSS: RALEIGH
87 FSS ON ARPT: NO
88 FSS PHONE NR:
89 TOLL FREE NR: 1-800-WX-BRIEF
OPERATIONS FOR 12 MONTHS ENDING 11/11/2019

FACILITIES

RUNWAY DATA

> 30 RUNWAY IDENT:
> 31 LENGTH:
> 32 WIDTH:
> 33 SURF TYPE-COND:
> 34 SURF TREATMENT:
35 GROSS WT: S
36 (IN THSDS) D
37 2D
38 2D/2DS
> 39 PCN:

LIGHTING/APCH AIDS

> 40 EDGE INTENSITY:
> 42 RWY MARK TYPE-COND:
> 43 VGSi:
44 THR CROSSING HGT:
45 VISUAL GLIDE ANGLE:
> 46 CNTRLN-TDZ:
> 47 RVR-RVV:
> 48 REIL:
> 49 APCH LIGHTS:

OBSTRUCTION DATA

50 FAR 77 CATEGORY:
> 51 DISPLACED THR:
> 52 CTLG OBSTN:
> 53 OBSTN MARKED/LGTD:
> 54 HGT ABOVE RWY END:
> 55 DIST FROM RWY END:
> 56 CNTRLN OFFSET:
57 OBSTN CLNC SLOPE:
58 CLOSE-IN OBSTN:

DECLARED DISTANCES

> 60 TAKE OFF RUN AVBL (TORA):
> 61 TAKE OFF DIST AVBL (TODA):
> 62 ACLT STOP DIST AVBL (ASDA):
> 63 LNDG DIST AVBL (LDA):

(>) ARPT MGR PLEASE ADVISE FSS IN ITEM 86 WHEN CHANGES OCCUR TO ITEMS PRECEDED BY >

> 110 REMARKS:

- A 070 100LL FUEL 24 HR CREDIT CARD SVC AVBL.
- A 081 ACTVT REIL RWY 05 & 23; PAPI RWY 05 & 23; MIRL RWY 05/23 - CTAF.
- A 110-001 RWYS 05/23 & 13/31 NO LN OF SIGHT BTN RWY ENDS.
- A 110-003 DEER & BIRDS ON & INVOF ARPT.
- A 110-004 FARMING OPS NEAR RWYS AND TWYS.
- A 110-005 FOR CD CTC WASHINGTON ARTCC AT 703-771-3587.

111 INSPECTOR: (S) 112 LAST INSP: 11/11/2019 113 LAST INFO REQ:

New Search

Facility Details

Facility Map

Charts

Login to [ADIP](#) application to make changes to airport data. Instructions can be found [here](#).

Effective: December 02, 2021

Toggle Detail Section ▾

Location and General Information

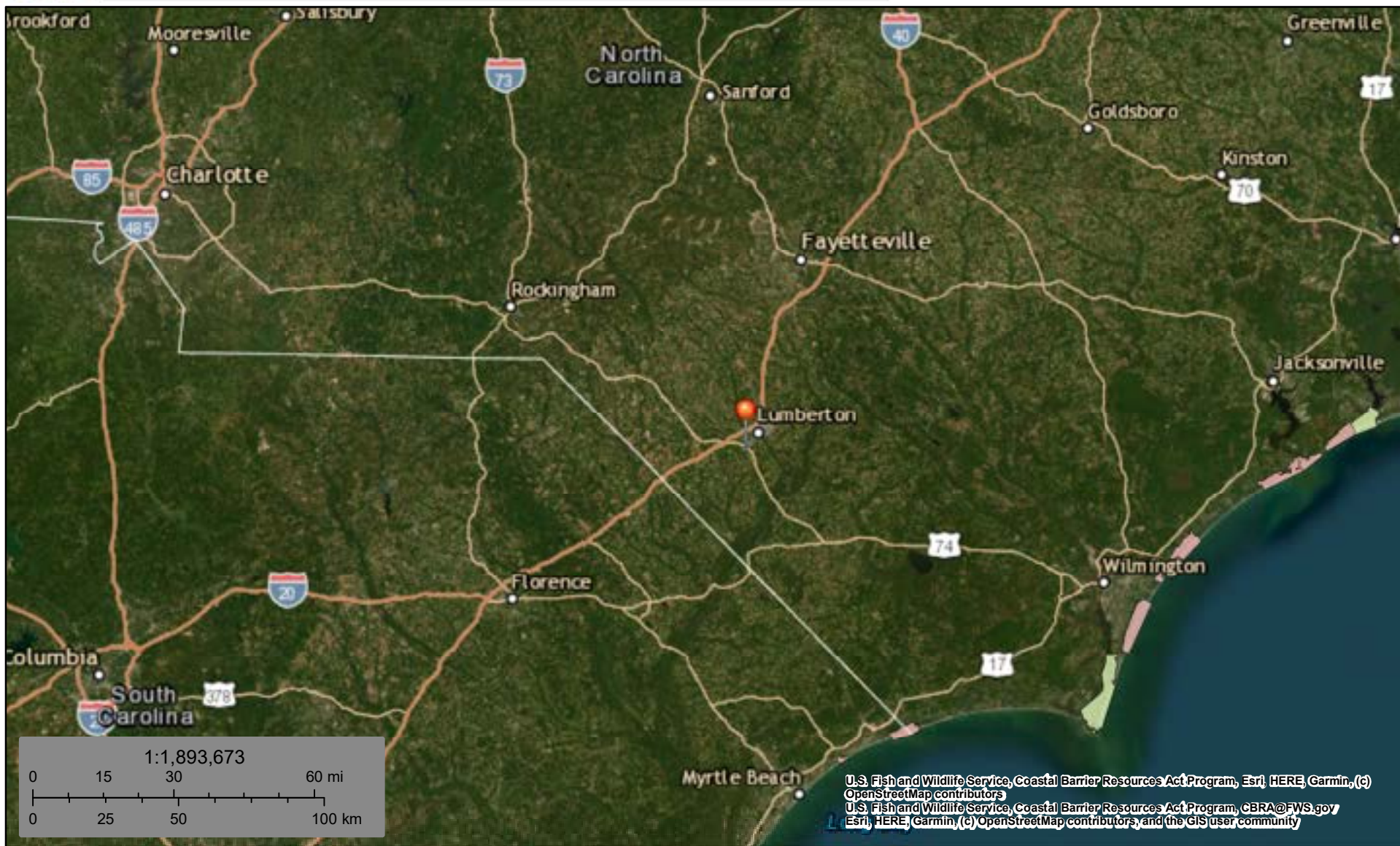
Site Id:	16882.*A	Ownership	PUBLIC
NPIAS	37-0040	Type:	
Number:		Facility Use:	PUBLIC
Service Level:	General Aviation	NPIAS:	YES
Hub Type:	N/A	NPIAS/Federa	NGY3
Airport Status:	Operational	I Agreements:	
Location:	34° 36' 35.3" N / 79° 3' 34.4" W	CBD To	03NM / W
	ESTIMATED	Airport:	
City/State:	LUMBERTON, NC	ARTCC:	WASHINGTON (ZDC)
County:	ROBESON	Sectional:	CHARLOTTE
Elevation:	124.5 ft.	Region /	ASO / MEM
	ESTIMATED	ADO:	
Variation:	08W (2000)	Area:	485 ac.
Last	11/11/2019		
Inspection			
Date:			

Services & Facility Information

Control	On Airport ATCTNONE	Wind	LIGHTED
Tower:		Indicator:	
FSS On	NO	Segmented	YES
Airport:		Circle:	
FSS:	RALEIGH (RDU)	Lighting	SEE RMK
FSS Toll Free	1-800-WX-BRIEF	Schedule:	
Phone:		Beacon Lens	Clear and Green
NOTAMs	LBT	Color:	
Facility:		Beacon	SS-SR
Attendance:	0800-1700 MON-FRI	Schedule:	
	1000-1700 SAT-SUN	Landing Fee:	No
		Fuel Types:	100LL, A1+
		Other	CHTR,INSTR,RNTL,SALES
		Services:	
		International	NO
		Airport of	
		Entry for	
		Customs:	
		Military/Civil	NO
		Joint Use:	



ATTACHMENT 3:

USFWS CBRS Map and Certification



May 11, 2023

CBRS Units

-  Otherwise Protected Area
-  System Unit

This map is for general reference only. The Coastal Barrier Resources System (CBRS) boundaries depicted on this map are representations of the controlling CBRS boundaries, which are shown on the official maps, accessible at <https://www.fws.gov/library/collections/official-coastal-barrier-resources-system-maps>. All CBRS related data should be used in accordance with the layer metadata found on the CBRS Mapper website.

The CBRS Buffer Zone represents the area immediately adjacent to the CBRS boundary where users are advised to contact the Service for an official determination (<https://www.fws.gov/service/coastal-barrier-resources-system-property-documentation>) as to whether the property or project site is located "in" or "out" of the CBRS.

CBRS Units normally extend seaward out to the 20- or 30-foot bathymetric contour (depending on the location of the unit). The true seaward

Coastal Barrier Resources System Mapper Documentation



CBRS Units

- Otherwise Protected Area
- System Unit
- CBRS Buffer Zone
- 79.050848, 34.58684

0 65 130 260 390 ft 1:4,514

The pin location displayed on the map is a point selected by the user. Failure of the user to ensure that the pin location displayed on this map correctly corresponds with the user supplied address/location description below may result in an invalid federal flood insurance policy. **The U.S. Fish and Wildlife Service (Service) has not validated the pin location with respect to the user supplied address/location description below. The Service recommends that all pin locations be verified by federal agencies prior to use of this map for the provision or denial of federal funding or financial assistance** . Please note that a structure bisected by the Coastal Barrier Resources System (CBRS) boundary (i.e., both "partially in" and "partially out") is within the CBRS and therefore affected by CBRA's restrictions on federal flood insurance. A pin placed on a bisected structure must be placed on the portion of the structure within the unit (including any attached features such as a deck or stairs).

User Name: Andrea Gievers
User Organization: NCORR
User Supplied Address/Location Description: Legend Road Water Tank
Pin Location: Outside CBRS
Pin Flood Insurance Prohibition Date: N/A
Pin System Unit Establishment Date: N/A

The user placed pin location is not within the CBRS. The official CBRS maps are accessible at <https://www.fws.gov/library/collections/official-coastal-barrier-resources-system-maps> .

The CBRS information is derived directly from the CBRS web service provided by the Service. This map was exported on 5/11/2023 and does not reflect changes or amendments subsequent to this date. The CBRS boundaries on this map may become superseded by new boundaries over time.

This map image may be void if one or more of the following map elements do not appear: basemap imagery, CBRS unit labels, prohibition date labels, legend, scale bar, map creation date. For additional information about flood insurance and the CBRS, visit: <https://www.fws.gov/node/263838> .



ATTACHMENT 4:

**FEMA FIRMettes, PFIRM, and
NFIP Community Status Book**

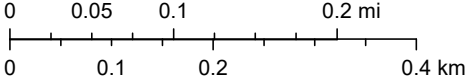
Legend Road Water Tank - FEMA FIRM



January 16, 2024

1:9,028

- Legend Road Water Tank
- Excluded Parcel
- Proposed Water Tank
- 1% Annual Chance Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Risk Due to Levee
- Area with Reduced Risk Due to Levee
- Regulatory Floodway
- Special Floodway
- Area of Undetermined Flood Hazard



NC CGIA, Maxar, Esri Community Maps Contributors, State of North Carolina DOT, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

National Flood Hazard Layer FIRMMette



79°3'25"W 34°35'29"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

79°2'48"W 34°35'N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

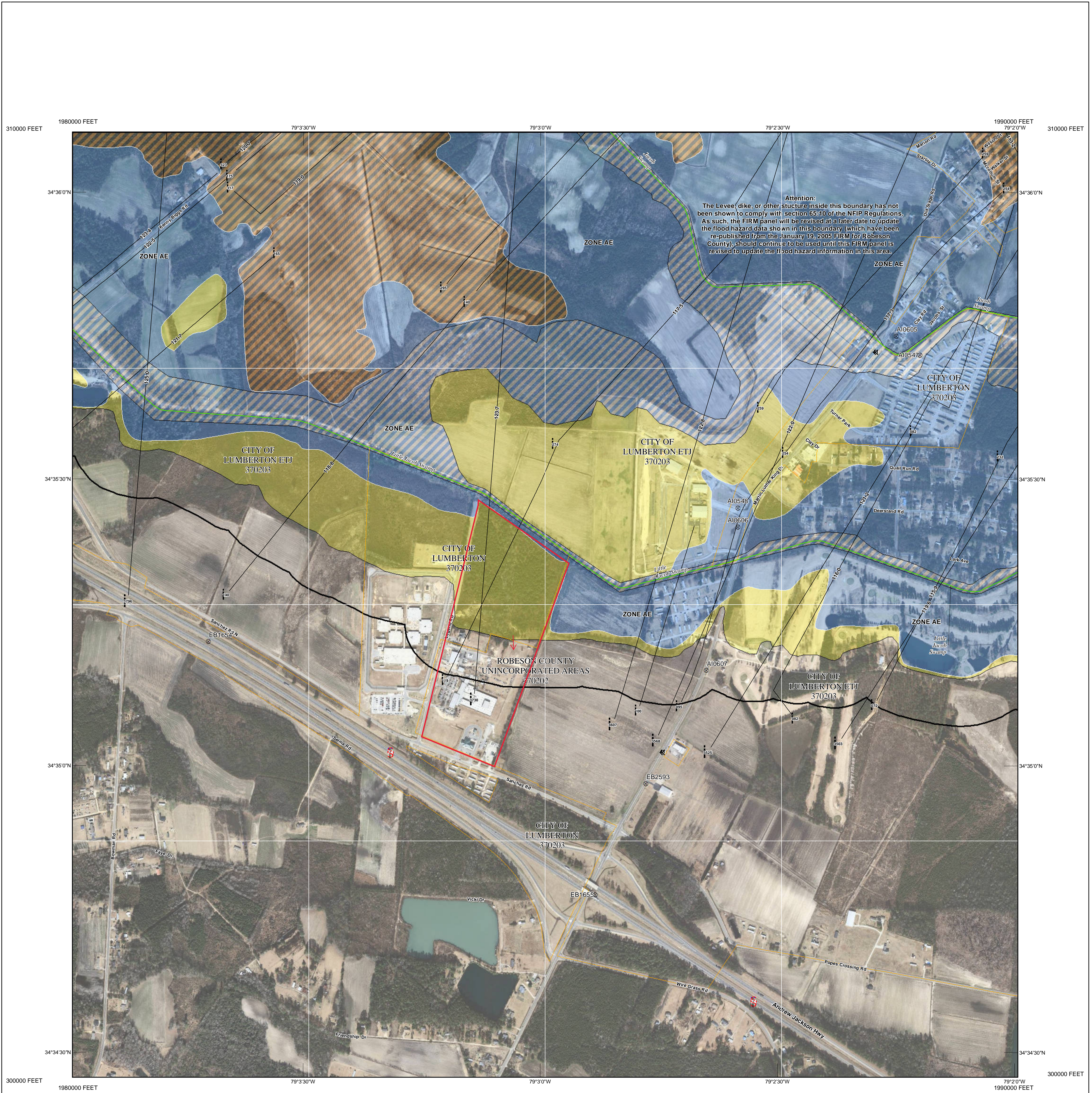


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **1/16/2024 at 5:57 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



Attention:
The Levee, dike, or other structure inside this boundary has not been shown to comply with section 65.10 of the NFIP Regulations. As such, the FIRM panel will be revised in a later date to update the flood hazard data shown in this boundary (which have been re-published from the January 19, 2005 FIRM for Robeson County), should continue to be used until this FIRM panel is revised to update the flood hazard information in this area.



This digital Flood Insurance Rate Map (FIRM) was produced through a unique cooperative partnership between the State of North Carolina and the Federal Emergency Management Agency (FEMA). The State of North Carolina has implemented a long term approach to floodplain management to decrease the costs associated with flooding. This is demonstrated by the State's commitment to map flood hazard areas at the local level. As a part of this effort, the State of North Carolina has joined in a Cooperating Technical State agreement with FEMA to produce and maintain this digital FIRM.

FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR ZONE DESCRIPTIONS AND INDEX MAP THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT [HTTP://FRIS.NC.GOV/FRIS](http://FRIS.NC.GOV/FRIS)

- SPECIAL FLOOD HAZARD AREAS**
 - Without Base Flood Elevation (BFE)
 - With BFE or Depth Zone AE, AO, AH, VE, AR
 - Regulatory Floodway
 - 0.2% Annual Chance Flood Hazard, Areas of 1% Annual Chance Flood with Average Depth Less Than One Foot or with Drainage Areas of Less Than One Square Mile Zone X
 - Future Conditions 1% Annual Chance Flood Hazard Zone X
 - Area with Reduced Flood Risk due to Levee See Notes Zone X
- OTHER AREAS OF FLOOD HAZARD**
 - Areas Determined to be Outside the 0.2% Annual Chance Floodplain Zone X
- OTHER AREAS**
 - Channel, Culvert, or Storm Sewer
 - Accredited or Provisionally Accredited Levee, Dike, or Floodwall
 - Non-accredited Levee, Dike, or Floodwall
 - North Carolina Geodetic Survey bench mark
 - National Geodetic Survey bench mark
 - Contractor Est. NCFMP Survey bench mark
 - Cross Sections with 1% Annual Chance Water Surface Elevation (BFE)
 - Coastal Transect
 - Coastal Transect Baseline
 - Profile Baseline
 - Hydrographic Feature
 - Limit of Study
 - Jurisdiction Boundary

NOTES TO USERS

For information and questions about this map, available products associated with this FIRM including historic versions of this FIRM, how to order products or the National Flood Insurance Program in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Map Service Center website at <http://msc.fema.gov>. An accompanying Flood Insurance Study report, Letter of Map Revision (LOMR) or Letter of Map Amendment (LOMA) revising portions of this panel, and digital versions of this FIRM may be available. Visit the North Carolina Floodplain Mapping Program website at <http://www.ncfloodmaps.com> or contact the FEMA Map Service Center.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Map Service Center at the number listed above.

For community and countywide map dates refer to the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in the community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

Base map information shown on this FIRM was provided in digital format by the North Carolina Floodplain Mapping Program (NCFMP). The source of this information can be determined from the metadata available in the digital FLOOD database and in the Technical Support Data Notebook (TSDN).

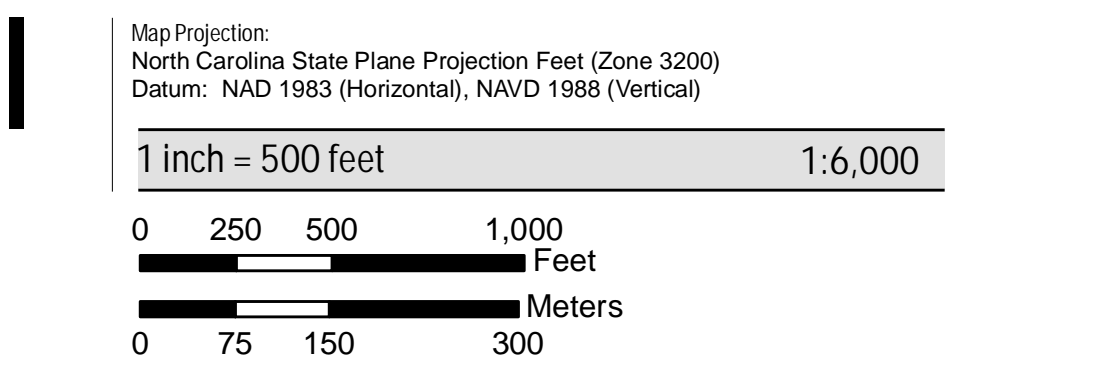
ACCREDITED LEEVE NOTES TO USERS: If an accredited levee note appears on this panel check with your local community to obtain more information, such as the estimated level of protection provided (which may exceed the 1-percent-annual-chance level) and Emergency Action Plan, on the levee system(s) shown as providing protection. To mitigate flood risk in residual risk areas, property owners and residents are encouraged to consider flood insurance and floodproofing or other protective measures. For more information on flood insurance, interested parties should visit the FEMA Website at <http://www.fema.gov/business/nfip/index.shtm>.

PROVISIONALLY ACCREDITED LEEVE NOTES TO USERS: If a Provisionally Accredited Levee (PAL) note appears on this panel, check with your local community to obtain more information, such as the estimated level of protection provided (which may exceed the 1-percent-annual-chance level) and Emergency Action Plan, on the levee system(s) shown as providing protection. To maintain accreditation, the levee owner or community is required to submit the data and documentation necessary to comply with Section 65.10 of the NFIP regulations. If the community or owner does not provide the necessary data and documentation or if the data and documentation provided indicates the levee system does not comply with Section 65.10 requirements, FEMA will revise the flood hazard and risk information for this area to reflect de-accreditation of the levee system. To mitigate flood risk in residual risk areas, property owners and residents are encouraged to consider flood insurance and floodproofing or other protective measures. For more information on flood insurance, interested parties should visit the FEMA Website at <http://www.fema.gov/business/nfip/index.shtm>.

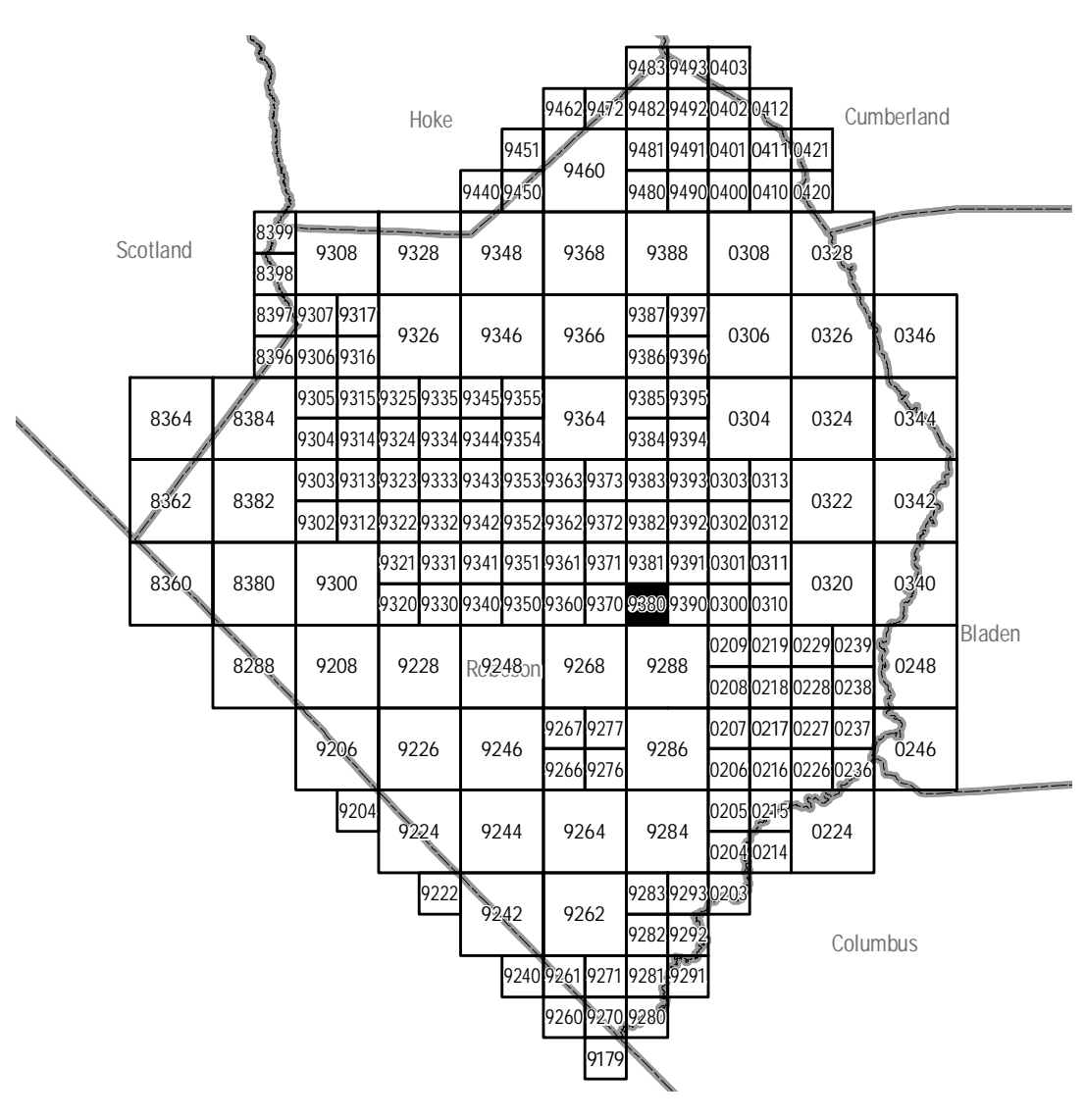
LIMIT OF MODERATE WAVE ACTION NOTES TO USERS: For some coastal flooding zones the AE Zone category has been divided by a Limit of Moderate Wave Action (LMWA). The LMWA represents the approximate landward limit of the 1.5-foot breaking wave. The effects of wave hazards between the VE Zone and the LMWA (or between the shoreline and the LMWA for areas where VE Zones are not identified) will be similar to, but less severe than those in the VE Zone.

- COASTAL BARRIER RESOURCES SYSTEM (CBRS) NOTE**
- This map may include approximate boundaries of the CBRS for informational purposes only. Flood insurance is not available within CBRS areas for structures that are newly built or substantially improved on or after the date(s) indicated on the map. For more information see http://www.fws.gov/habitatconservation/coastal_barrier.html, the FIS Report, or call the U.S. Fish and Wildlife Service Customer Service Center at 1-800-344-WILD.
- CBRS Area
- Otherwise Protected Area

SCALE



PANEL LOCATOR



National Flood Insurance Program

NORTH CAROLINA FLOODPLAIN MAPPING PROGRAM
NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

NORTH CAROLINA

PANEL 9380

Panel Contains:

COMMUNITY	CID	PANEL	SUFFIX
LUMBERTON, CITY OF	370203	9380	K
ROBESON COUNTY	370202	9380	K

PRELIMINARY
08/29/2014

MAP NUMBER
3710938000K



Community Status Book Report

Communities Participating in the National Flood Program



NORTH CAROLINA

CID	Community Name	County	Init FHBM Identified	Init FIRM Identified	Curr Eff Map Date	Reg-Emer Date	Tribal	CRS Entry Date	Curr Eff Date	Curr Class	% Disc SFHA	% Disc Non SFHA
370323#	LOWELL, CITY OF	GASTON COUNTY	08/15/75	03/05/90	11/04/09	03/05/90	No					
370537#	LUCAMA, TOWN OF	WILSON COUNTY		11/03/04	04/16/13	11/03/04	No					
370203K	LUMBERTON, CITY OF	ROBESON COUNTY	06/28/74	11/05/80	12/06/19	11/05/80	No					
370090K	MACCLESFIELD, TOWN OF	EDGECOMBE COUNTY	12/28/73	03/18/80	06/02/15	03/25/80	No					
370150#	MACON COUNTY *	MACON COUNTY	06/30/78	06/01/01	04/19/10	06/01/01	No					
370152#	MADISON COUNTY *	MADISON COUNTY	07/22/77	09/02/82	01/06/10	09/02/82	No					
370207#	MADISON, TOWN OF	ROCKINGHAM COUNTY	11/22/74	11/16/77	01/02/09	11/16/77	No					
370389#	MAGGIE VALLEY, TOWN OF	HAYWOOD COUNTY	07/08/77	04/17/84	04/03/12	04/17/84	No					
370669#	MAGNOLIA, TOWN OF	DUPLIN COUNTY		02/16/06	02/16/07	07/23/10	No					
370056#	MAIDEN, TOWNSHIP OF	LINCOLN COUNTY/CATAWBA COUNTY	09/20/74	09/03/80	07/07/09	09/03/80	No					
375355K	MANTEO, TOWN OF	DARE COUNTY	01/12/73	01/12/73	06/19/20	01/05/73	No	10/01/91	10/01/21	5	25%	10%
370266#	MARION, CITY OF	MCDOWELL COUNTY	09/10/82	07/15/88	01/06/10	05/01/87	No					
370385#	MARS HILL, TOWN OF	MADISON COUNTY	07/02/76	08/19/87	01/06/10	08/19/87	No					
370154#	MARSHALL, TOWN OF	MADISON COUNTY	06/14/74	05/15/78	01/06/10	05/15/78	No					
370474#	MARSHVILLE, TOWN OF	UNION COUNTY		07/05/94	03/02/09	12/15/09	No					
370155K	MARTIN COUNTY *	MARTIN COUNTY	11/29/74	07/16/91	06/19/20	07/16/91	No					
370514#	MARVIN, VILLAGE OF	UNION COUNTY		01/17/97	02/19/14	12/28/98	No					
370310#	MATTHEWS, TOWN OF	MECKLENBURG COUNTY		02/04/04	02/19/14	02/04/04	No					
370587F	MAXTON, TOWN OF	SCOTLAND COUNTY/ROBESON COUNTY		01/19/05	12/06/19	05/26/20	No					
370208#	MAYODAN, TOWN OF	ROCKINGHAM COUNTY		07/18/77	01/02/09	07/18/77	No					
370330#	MAYSVILLE, TOWN OF	JONES COUNTY		07/02/04	02/16/06	08/19/86	No					
370101#	MCADENVILLE, TOWN OF	GASTON COUNTY	06/21/74	06/01/87	11/04/09	06/01/87	No					
370148#	MCDOWELL COUNTY*	MCDOWELL COUNTY	12/20/74	07/15/88	01/06/10	07/15/88	No					
370390J	MEBANE, CITY OF	ORANGE COUNTY/ALAMANCE COUNTY		11/05/80	11/17/17	11/05/80	No					
370158F	MECKLENBURG COUNTY *	MECKLENBURG COUNTY	10/22/76	06/01/81	11/16/18	06/01/81	No	10/01/91	04/01/21	5	25%	10%
370426L	MESIC, TOWN OF	PAMLICO COUNTY		07/02/04	06/19/20	09/04/85	No	05/01/19	04/01/21	8	10%	05%
370500J	MICRO, TOWN OF	JOHNSTON COUNTY		10/20/00	06/20/18	11/08/16	No					
370445#	MIDDLESEX, TOWN OF	NASH COUNTY		01/20/82	07/07/14	03/19/99	No					
370182L	MIDLAND, TOWN OF	CABARRUS COUNTY	12/27/74	05/05/81	11/16/18	06/01/09	No					
370393#	MIDWAY, TOWN OF	DAVIDSON COUNTY		03/16/09	06/16/09	02/05/19	No					
370529#	MINERAL SPRINGS, TOWN OF	UNION COUNTY		07/18/83	03/02/09	05/17/00	No					
370418K	MINNESOTT BEACH, TOWN OF	PAMLICO COUNTY	03/02/79	08/05/85	06/19/20	09/23/85	No	10/01/92	10/01/21	8	10%	05%
370539E	MINT HILL, TOWN OF	MECKLENBURG COUNTY		02/04/04	11/16/18	12/21/07	No					
370026#	MISENHEIMER, VILLAGE OF	STANLY COUNTY		09/03/08	06/16/09	02/17/10	No					
370161#	MITCHELL COUNTY *	MITCHELL COUNTY	06/30/78	09/04/86	06/02/09	09/04/86	No					
370309#	MOCKSVILLE, TOWN OF	DAVIE COUNTY	07/11/75	06/27/00	06/16/09	09/17/08	No					
370657#	MOMEYER, TOWN OF	NASH COUNTY		11/03/04	(NSFHA)	12/29/05	No					
370236#	MONROE, CITY OF	UNION COUNTY	09/20/74	01/19/83	03/02/09	01/19/83	No					
370336#	MONTGOMERY COUNTY*	MONTGOMERY COUNTY	10/13/78	06/01/81	06/16/09	02/20/97	No					
370476#	MONTREAT, TOWN OF	BUNCOMBE COUNTY		05/06/96	01/06/10	09/19/05	No					
370164H	MOORE COUNTY *	MOORE COUNTY	10/13/78	12/15/89	11/17/17	12/15/89	No					
370314#	MOORESVILLE, TOWN OF	IREDELL COUNTY	04/25/75	05/01/80	06/16/09	05/01/80	No					
370048#	MOREHEAD CITY, TOWN OF	CARTERET COUNTY	02/22/74	02/16/77	11/03/05	02/16/77	No	10/01/92	05/01/20	6	20%	10%
370035#	MORGANTON, CITY OF	BURKE COUNTY	03/22/74	02/19/87	07/07/09	02/19/87	No					
370242K	MORRISVILLE, TOWN OF	WAKE COUNTY	10/29/76	11/01/78	07/19/22	11/01/78	No					
370226B	MOUNT AIRY, CITY OF	SURRY COUNTY	06/28/74	12/01/81	11/18/16	12/01/81	No					
370102L	MOUNT HOLLY, CITY OF	GASTON COUNTY	01/09/74	09/28/79	09/02/15	09/28/79	No					
370369K	MOUNT OLIVE, TOWN OF	DUPLIN COUNTY/WAYNE COUNTY	06/17/77	02/17/82	06/20/18	02/17/82	No					
370470J	MOUNT PLEASANT, TOWN OF	CABARRUS COUNTY		11/02/94	11/16/18	02/24/12	No					
370419#	MURFREESBORO, TOWN OF	HERTFORD COUNTY	11/10/78	06/01/87	08/03/09	06/01/87	No					
370061#	MURPHY, TOWN OF	CHEROKEE COUNTY	03/08/74	07/03/86	04/19/10(M)	07/03/86	No					
375356K	NAGS HEAD, TOWN OF	DARE COUNTY		11/10/72	06/19/20	11/10/72	No	10/01/91	04/01/22	5	25%	10%

ATTACHMENT 5:

**North Carolina Nonattainment/
Maintenance Status for Each County by Year
for All Criteria Pollutants**



You are here: EPA Home > Green Book > >National Area and County-Level Multi-Pollutant Information >North Carolina Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants

North Carolina Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants

Data is current as of January 31, 2024

Listed by County, NAAQS, Area. The 8-hour Ozone (1997) standard was revoked on April 6, 2015 and the 1-hour Ozone (1979) standard was revoked on June 15, 2005.

* The 1997 Primary Annual PM-2.5 NAAQS (level of 15 µg/m³) is revoked in attainment and maintenance areas for that NAAQS. For additional information see the PM-2.5 NAAQS SIP Requirements Final Rule, effective October 24, 2016. (81 FR 58009)

Change the State:

NORTH CAROLINA

Robeson County is not listed.

Important Notes

Download National Dataset: [dbf](#) | [xls](#) | [Data dictionary \(PDF\)](#)

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/Part County	Population (2010)	State/County FIPS Codes
NORTH CAROLINA								
Cabarrus County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	04050607080910111213	01/02/2014	Moderate	Whole	178,011	37/025
Cabarrus County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	121314	08/27/2015	Marginal	Part	176,928	37/025
Catawba County	PM-2.5 (1997)-NAAQS revoked	Hickory-Morganton-Lenoir, NC	050607080910	12/19/2011 *	Former Subpart 1	Whole	154,358	37/035
Chatham County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Part	32,372	37/037
Davidson County	1-Hour Ozone (1979)-NAAQS revoked	Greensboro-Winston-Salem-High Point, NC	92	11/08/1993	Moderate	Whole	162,878	37/057
Davidson County	PM-2.5 (1997)-NAAQS revoked	Greensboro-Winston Salem-High Point, NC	050607080910	12/19/2011 *	Former Subpart 1	Whole	162,878	37/057

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
Davie County	1-Hour Ozone (1979)-NAAQS revoked	Greensboro-Winston-Salem-High Point, NC	92	11/08/1993	Moderate	Part	1	37/059
Durham County	1-Hour Ozone (1979)-NAAQS revoked	Raleigh-Durham, NC	9293	06/17/1994	Moderate	Whole	267,587	37/063
Durham County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	267,587	37/063
Durham County	Carbon Monoxide (1971)	Raleigh-Durham, NC	929394	09/18/1995	Moderate <= 12.7ppm	Whole	267,587	37/063
Edgecombe County	8-Hour Ozone (1997)-NAAQS revoked	Rocky Mount, NC	040506	01/05/2007	Former Subpart 1	Whole	56,552	37/065
Forsyth County	1-Hour Ozone (1979)-NAAQS revoked	Greensboro-Winston-Salem-High Point, NC	92	11/08/1993	Moderate	Whole	350,670	37/067
Forsyth County	Carbon Monoxide (1971)	Winston-Salem, NC	9293	11/07/1994	Moderate <= 12.7ppm	Whole	350,670	37/067
Franklin County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	60,619	37/069
Gaston County	1-Hour Ozone (1979)-NAAQS revoked	Charlotte-Gastonia, NC	929394	07/05/1995	Moderate	Whole	206,086	37/071
Gaston County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	04050607080910111213	01/02/2014	Moderate	Whole	206,086	37/071
Gaston County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	121314	08/27/2015	Marginal	Part	190,849	37/071

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
Granville County	1-Hour Ozone (1979)-NAAQS revoked	Raleigh-Durham, NC	9293	06/17/1994	Moderate	Part	17,725	37/077
Granville County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	59,916	37/077
Guilford County	1-Hour Ozone (1979)-NAAQS revoked	Greensboro-Winston-Salem-High Point, NC	92	11/08/1993	Moderate	Whole	488,406	37/081
Guilford County	PM-2.5 (1997)-NAAQS revoked	Greensboro-Winston Salem-High Point, NC	050607080910	12/19/2011 *	Former Subpart 1	Whole	488,406	37/081
Haywood County	8-Hour Ozone (1997)-NAAQS revoked	Haywood and Swain Counties (Great Smoky NP), NC	040506070809	01/06/2010	Former Subpart 1	Part	985	37/087
Iredell County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	04050607080910111213	01/02/2014	Moderate	Part	68,089	37/097
Iredell County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	121314	08/27/2015	Marginal	Part	65,899	37/097
Johnston County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	168,878	37/101
Lincoln County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	04050607080910111213	01/02/2014	Moderate	Whole	78,265	37/109
Lincoln County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	121314	08/27/2015	Marginal	Part	64,189	37/109
Mecklenburg County	1-Hour Ozone (1979)-NAAQS revoked	Charlotte-Gastonia, NC	929394	07/05/1995	Moderate	Whole	919,628	37/119

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
Mecklenburg County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	04050607080910111213	01/02/2014	Moderate	Whole	919,628	37/119
Mecklenburg County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	121314	08/27/2015	Marginal	Whole	919,628	37/119
Mecklenburg County	Carbon Monoxide (1971)	Charlotte, NC	929394	09/18/1995	Not Classified	Whole	919,628	37/119
Nash County	8-Hour Ozone (1997)-NAAQS revoked	Rocky Mount, NC	040506	01/05/2007	Former Subpart 1	Whole	95,840	37/127
Orange County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	133,801	37/135
Person County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	39,464	37/145
Rowan County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	04050607080910111213	01/02/2014	Moderate	Whole	138,428	37/159
Rowan County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	121314	08/27/2015	Marginal	Part	130,057	37/159
Swain County	8-Hour Ozone (1997)-NAAQS revoked	Haywood and Swain Counties (Great Smoky NP), NC	040506070809	01/06/2010	Former Subpart 1	Part	3,288	37/173
Union County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	04050607080910111213	01/02/2014	Moderate	Whole	201,292	37/179
Union County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	121314	08/27/2015	Marginal	Part	176,055	37/179

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
Wake County	1-Hour Ozone (1979)-NAAQS revoked	Raleigh-Durham, NC	9293	06/17/1994	Moderate	Whole	900,993	37/183
Wake County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	900,993	37/183
Wake County	Carbon Monoxide (1971)	Raleigh-Durham, NC	929394	09/18/1995	Moderate <= 12.7ppm	Whole	900,993	37/183

Important Notes

Discover.

Connect.

Ask.

Follow.


2024-01-31

ATTACHMENT 6:

Division of Coastal Zone Management Counties Map and List

CAMA Counties

The following counties are subject to the rules and policies of the Coastal Resources Commission, which administers the Coastal Area Management Act. If you are planning to develop in one of these counties, check to see whether your project is also in an Area of Environmental Concern (<https://deq.nc.gov/about/divisions/coastal-management/coastal-management-rules/coastal-development-rules>). If it is, you may need a CAMA permit.

CAMA Counties		
<ul style="list-style-type: none"> • Beaufort • Bertie • Brunswick • Camden • Carteret • Chowan • Craven • Currituck • Dare • Gates 	<ul style="list-style-type: none"> • Hertford • Hyde • New Hanover • Onslow • Pamlico • Pasquotank • Pender • Perquimans • Tyrrell • Washington 	

Showing 1 to 1 of 1 entries

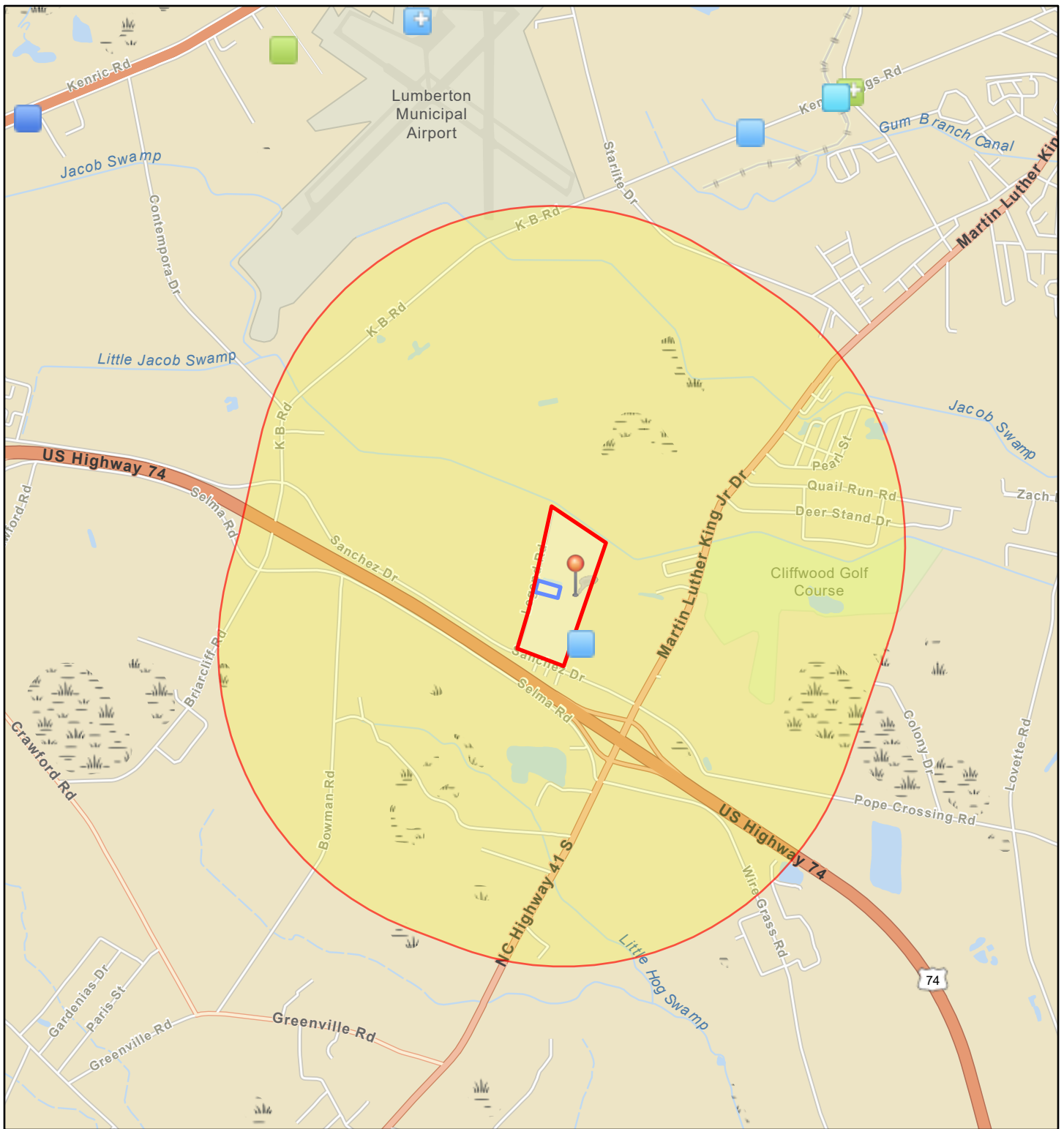
About Coastal Management

ATTACHMENT 7:

Contamination and Toxic Substances

NEPAssist EPA Facilities with 1-mile Buffer,
NC DEQ DWM Site Locator Reports with 1-mile
and 0.5-mile Buffer, Facility Reports, Site
Inspection Documentation, Historical Aerials,
and EPA NC Radon Level Map

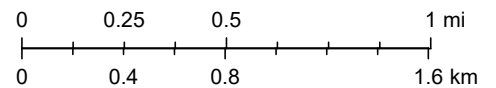
Legend Road Water Tank - EPA Facilities with 1-mile Buffer



January 16, 2024

1:36,112

- Toxic Releases (TRI)
- Water Dischargers (NPDES)
- Water Dischargers (NPDES)
- Air Pollution (ICIS-AIR)
- Hazardous Waste (RCRAInfo)
- Legend Road Water Tank - EPA Facilities
- Excluded Parcel
- Buffer graphics
- Hazardous Waste (RCRAInfo)
- Proposed Water Tank



State of North Carolina DOT, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

NEPAssist Report

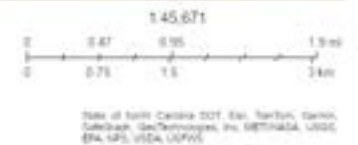
Legend Road Water Tank - EPA Facilities

A3 Landscape



January 16, 2024

- Brownfields (ACRES)
- Air Pollution (JCIS-AIR)
- Proposed Water Tank
- Toxic Releases (TRI)
- Air Pollution (JCIS-AIR)
- Excluded Parcel
- Toxic Releases (TRI)
- Hazardous Waste (RCRAInfo)
- Buffer graphics
- Water Dischargers (BIFDES)
- Hazardous Waste (RCRAInfo)
- Water Dischargers (BIFDES)
- Legend Road Water Tank - EPA Facilities



Input Coordinates: 34.589309,-79.049090,34.589167,-79.049154,34.583355,-79.051579,34.584203,-79.054304,34.586111,-79.053618,34.588319,-79.053017,34.591075,-79.052287,34.589309,-79.049090

Project Area	0.08 sq mi
Within 1 mile of an Ozone 1-hr (1979 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of an Ozone 8-hr (1997 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of an Ozone 8-hr (2008 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of an Ozone 8-hr (2015 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a Lead (2008 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a SO2 1-hr (2010 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a PM2.5 24hr (2006 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a PM2.5 Annual (1997 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a PM2.5 Annual (2012 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a PM10 (1987 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a CO Annual (1971 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a NO2 Annual (1971 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a Federal Land?	no
Within 1 mile of an impaired stream?	no
Within 1 mile of an impaired waterbody?	no
Within 1 mile of a waterbody?	yes
Within 1 mile of a stream?	yes
Within 1 mile of an NWI wetland?	Available Online
Within 1 mile of a Brownfields site?	no

Within 1 mile of a Superfund site?	no
Within 1 mile of a Toxic Release Inventory (TRI) site?	no
Within 1 mile of a water discharger (NPDES)?	yes
Within 1 mile of a hazardous waste (RCRA) facility?	no
Within 1 mile of an air emission facility?	no
Within 1 mile of a school?	no
Within 1 mile of an airport?	no
Within 1 mile of a hospital?	no
Within 1 mile of a designated sole source aquifer?	no
Within 1 mile of a historic property on the National Register of Historic Places?	no
Within 1 mile of a Land Cession Boundary?	no
Within 1 mile of a tribal area (lower 48 states)?	no
Within 1 mile of the service area of a mitigation or conservation bank?	yes
Within 1 mile of the service area of an In-Lieu-Fee Program?	yes
Within 1 mile of a Public Property Boundary of the Formerly Used Defense Sites?	no
Within 1 mile of a Munitions Response Site?	no
Within 1 mile of an Essential Fish Habitat (EFH)?	no
Within 1 mile of a Habitat Area of Particular Concern (HAPC)?	no
Within 1 mile of an EFH Area Protected from Fishing (EFHA)?	no
Within 1 mile of a Bureau of Land Management Area of Critical Environmental Concern?	no
Within 1 mile of an ESA-designated Critical Habitat Area per U.S. Fish & Wildlife Service?	no
Within 1 mile of an ESA-designated Critical Habitat river, stream or water feature per U.S. Fish & Wildlife Service?	no

Created on: 1/16/2024 5:16:20 PM



© 2023 Microsoft Corporation, © 2023 TomTom

Powered by Esri (<http://www.esri.com/>)

Report question: *Within 1 of a Water dischargers site? yes*

Modify question by entering a new buffer distance and unit for the selected study area:

Name	Distance
<input type="checkbox"/> SANCHEZ DRIVE WTP (LUMBERTON,NC) (https://enviro.epa.gov/enviro/ICIS_DETAIL_REPORTS_NPDESID.icis_tst?npvalue=1&npvalue=13&npvalue=14&npvalue=3&npvalue=4&npvalue=5&npvalue=6&rvalue=13&npvalue=2&npvalue=7&npvalue=8&npvalue=11&npvalue=12&npdesid=NC0086991) REGISTRY_ID: 110018612964 LATITUDE: 34.584444 LONGITUDE: -79.050556 PGM_SYS_ACRNM: NPDES PGM_SYS_ID: NC0086991 LOCATION_ADDRESS: SANCHEZ DR CITY_NAME: LUMBERTON COUNTY_NAME: STATE_CODE: NC EPA_REGION: Region 4 POSTAL_CODE: 28358 FIPS_CODE: HUC_CODE:	0.04 mile

Detailed Facility Report



Detailed Facility Report

Facility Summary

SANCHEZ DRIVE WTP

SANCHEZ DRIVE, LUMBERTON, NC 28358

FRS (Facility Registry Service) ID: 110018612964
 EPA Region: 04
 Latitude: 34.584444
 Longitude: -79.050556
 Locational Data Source: NPDES
 Industries: --
 Indian Country: N

Enforcement and Compliance Summary

Statute	CWA
Compliance Monitoring Activities (5 years)	1
Date of Last Compliance Monitoring Activity	06/12/2019
Compliance Status	Significant/Category I Noncompliance
Qtrs in Noncompliance (of 12)	12
Qtrs with Significant Violation	7
Informal Enforcement Actions (5 years)	27
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information
 Clean Water Act (CWA): Minor, Permit Effective (NC0086991)
 Resource Conservation and Recovery Act (RCRA): No Information
 Safe Drinking Water Act (SDWA): No Information
[Go To Enforcement/Compliance Details](#)
[Known Data Problems](#)

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information
 Greenhouse Gas Emissions (eGGRT): No Information
 Toxic Releases (TRI): No Information
 Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110018612964					N	34.584444	-79.050556
ICIS-NPDES	CWA	NC0086991	Minor: NPDES Individual Permit	Effective		07/31/2024	N	34.584444	-79.050556

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110018612964	SANCHEZ DRIVE WTP	SANCHEZ DRIVE, LUMBERTON, NC 28358	Robeson County
ICIS-NPDES	CWA	NC0086991	SANCHEZ DRIVE WTP	SANCHEZ DR, LUMBERTON, NC 28358	Robeson County

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
ICIS-NPDES	NC0086991	4941	Water Supply

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
No data records returned			

Facility Industrial Effluent Guidelines

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline Description
NC0086991	401	General provisions

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
No data records returned			

Enforcement and Compliance

Compliance Monitoring History Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
CWA	NC0086991	ICIS-NPDES	Inspection/Evaluation	Base Program - Evaluation	State	06/12/2019	

Entries in italics are not counted as EPA official inspections.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CWA	NC0086991	Yes	12/31/2022	12	05/26/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12	QTR 13+	
CWA	(Source ID: NC0086991)	01/01-03/31/20	04/01-06/30/20	07/01-09/30/20	10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-05/26/23	
	Facility-Level Status	No Violation Identified	Violation Identified	Violation Identified	Violation Identified	Violation Identified	Significant/Category I Noncompliance	Significant/Category I Noncompliance	Significant/Category I Noncompliance	Significant/Category I Noncompliance	Significant/Category I Noncompliance	Significant/Category I Noncompliance	Significant/Category I Noncompliance	Violation Identified	
	Quarterly Noncompliance Report History		Reportable Noncompliance	Reportable Noncompliance	Reportable Noncompliance	Reportable Noncompliance	Effluent - Non-monthly Average Limit	Effluent - Non-monthly Average Limit	Effluent - Non-monthly Average Limit	Effluent - Non-monthly Average Limit	Effluent - Non-monthly Average Limit	Effluent - Non-monthly Average Limit	Effluent - Non-monthly Average Limit		
	Pollutant	Disch Point	Mon Loc	Freq											
▶ CWA	Chlorine, total residual	001 - M	Effluent Gross	NMth			965%	453%	276%	1465%	465%	435%	2429%	447%	194%
▶ CWA	pH	001 - M	Effluent Gross	Neither			LIMIT VIOLATION						LIMIT VIOLATION	LIMIT VIOLATION	
	Late or Missing Discharge Monitoring Report (DMR) Measurements														

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12	QTR 13+
	Counts of Missing DMR Measurements	6	6											

Informal Enforcement Actions Last 5 Years ▼

Statute	System	Source ID	Type of Action	Lead Agency	Date
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	02/28/2023
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	01/31/2023
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	12/30/2022
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	11/01/2022
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	10/03/2022
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	08/30/2022
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	06/28/2022
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	05/31/2022
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	02/28/2022
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	01/27/2022
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	12/20/2021
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	10/04/2021
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	09/01/2021
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	08/03/2021
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	06/03/2021
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	08/25/2020
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	04/09/2020
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	10/28/2019
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	07/15/2019
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	04/12/2019
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	03/25/2019
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	03/04/2019
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	02/18/2019
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	02/04/2019
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	08/06/2018
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	07/02/2018
CWA	ICIS-NPDES	NC0086991	Base Program - Notice of Violation	State	06/25/2018

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions Last 5 Years ▼

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty Assessed	State/Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
---------	--------	-------------	-----------	----------------	----------	-------------	-----------	-------------------	---------------------	------------------------	--------------------------	------------------------------	--------------------------	-----------	------------------

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
030402031002	Jacob Swamp	LITTLE JACOB BRANCH	No	No	--	Yes

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Aquatic Life	Fish Consumption Use	Recreation Use	Other Use
-------	--------------	--------------------	----------------------	-----------------	-----------------------	--------------------	--------------	----------------------	----------------	-----------

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
-----------	-----------------------------------	---	---------------------------------	---

No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released in Pounds per Year at Site

TRI Facility ID	Year	Total Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Releases to Land	Total On-Site Releases	Total Off-Site Transfers
-----------------	------	---------------------	--------------------------	--	------------------------	------------------	------------------------	--------------------------

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Environmental Justice

This section shows indexes from EJScreen, EPA's screening tool for environmental justice (EJ) concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. Use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the [EJScreen home page](#).

EJScreen Indexes Shown

Compare to US State

Index Type Environmental Justice Supplemental

Related Reports

[EJScreen Report](#)

Download Data

Census Block Group ID: 371559608011	US (Percentile)	
Supplemental Indexes	Facility Census Block Group	1-mile Max
Count of Indexes At or Above 80th Percentile	6	6
Particulate Matter 2.5	26	26
Ozone	60	62
Diesel Particulate Matter	76	76
Air Toxics Cancer Risk	87	91
Air Toxics Respiratory Hazard Index	89	92
Traffic Proximity	85	85
Lead Paint	83	83
Risk Management Plan (RMP) Facility Proximity	89	94
Hazardous Waste Proximity	69	77
Superfund Proximity	39	46
Underground Storage Tanks (UST)	83	87
Wastewater Discharge	31	54



Facility 1-mile Radius Facility Census Block Group





Demographic Profile of Surrounding Area (1 mile)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2016 - 2020 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the [DFR Data Dictionary](#).

General Statistics (U.S. Census)	
Total Persons	1,693
Population Density	544/sq.mi.
Housing Units in Area	232

General Statistics (ACS (American Community Survey))	
Total Persons	989
Percent People of Color	77%
Households in Area	234
Households on Public Assistance	1
Persons With Low Income	284
Percent With Low Income	52%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	34.584444
Center Longitude	-79.050556
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	77 (32.35%)
\$15,000 - \$25,000	22 (9.24%)
\$25,000 - \$50,000	60 (25.21%)
\$50,000 - \$75,000	50 (21.01%)
Greater than \$75,000	29 (12.18%)


Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	45 (3%)
Minors 17 years and younger	163 (10%)
Adults 18 years and older	1,531 (90%)
Seniors 65 years and older	62 (4%)

Race Breakdown (U.S. Census) - Persons (%)	
White	375 (22%)
African-American	861 (51%)
Hispanic-Origin	159 (9%)
Asian/Pacific Islander	6 (0%)
American Indian	347 (21%)
Other/Multiracial	105 (6%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	95 (11.57%)
9th through 12th Grade	205 (24.97%)
High School Diploma	264 (32.16%)
Some College/2-year	194 (23.63%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	31 (3.78%)

LAST UPDATED ON SEPTEMBER 21, 2022

[DATA REFRESH INFORMATION](#)

 An official website of the United States government

MENU

Search EPA.gov

Related Topics: Envirofacts <../>

CONTACT US <<https://www.epa.gov/enviro/forms/contact-us-about-envirofacts>>

Home <<https://enviro.epa.gov>> | Multisystem Search <<https://enviro.epa.gov/facts/multisystem.html>> | Topic Searches <<https://www.epa.gov/enviro/topic-searches>> | System Data Searches <<https://www.epa.gov/enviro/system-data-searches>> | About the Data <<https://www.epa.gov/enviro/about-data>> | Data Downloads <<https://www.epa.gov/enviro/data-downloads>> | Widgets <<https://www.epa.gov/enviro/widgets>> | Services <<https://www.epa.gov/enviro/web-services>> | Mobile <<https://www.epa.gov/enviro/uv-index-mobile-app>> | Other Datasets <<https://www.epa.gov/enviro/other-datasets>>

ICIS Detailed Reports

<< Return

This page was created on MAY-31-2023

Results are based on data extracted on MAY-27-2023

Note: You are viewing results from the modernized data system, Integrated Compliance Information System (ICIS). The state reporting this data to EPA previously reported the data to a historic data system, Permit Compliance System (PCS). Use the following button to view the historic data from PCS. **Run a PCS Search**

Facility

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
STREET 1	SANCHEZ DR	SIC CODE	4941 = Water Supply

CITY		MAJOR / MINOR	
COUNTY NAME		TYPE OF OWNERSHIP	Privately Owned Facility
STATE	NC	ACTIVITY STATUS	Admin Continued
ZIP CODE	28358	INACTIVE DATE	
REGION	Region 4	TYPE OF PERMIT ISSUED	NPDES Individual Permit
LATITUDE	34.584444	ORIGINAL PERMIT ISSUE DATE	14-DEC-2000
LONGITUDE	-79.050556	PERMIT ISSUED DATE	15-SEP-2009
LAT/LON CODE OF ACCURACY		PERMIT EXPIRED DATE	31-JUL-2014
LAT/LON METHOD			
LAT/LON SCALE		USGS HYDRO BASIN CODE	
LAT/LON DATUM		FLOW	100000
RECEIVING WATERS		FEDERAL GRANT IND	
PRETREATMENT CODE		SLUDGE CLASS FAC IND	NON-POTW
MAILING NAME		SLUDGE RELATED PERMIT NUM	
MAILING STREET (1)		ANNUAL DRY SLUDGE PROD	
MAILING STREET (2)			
MAILING CITY			
MAILING STATE			

MAILING ZIP CODE			
COGNIZANT OFFICIAL		COGNIZANT OFFICIAL TEL	

Activity

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
--------------------------	-------------------	--------------	-----------

ACTIVITY NAME	ACTIVITY TYPE DESCRIPTION	ACTIVITY STATUS DESCRIPTION	ACTIVITY STATUS DATE	ACTUAL BEGIN DATE	ACTUAL END DATE
NPDES Permit (CWA)	Permit				
	Administrative - Informal	Achieved	31-MAY-2022		31-MAY-2022
	Administrative - Informal	Achieved	31-MAR-2016		31-MAR-2016
	Administrative - Informal	Achieved	31-JAN-2023		31-JAN-2023
	Administrative - Informal	Achieved	30-DEC-2022		30-DEC-2022
	Administrative - Informal	Achieved	30-AUG-2022		30-AUG-2022
SANCHEZ DRIVE WTP (Permit NC0086991) Compliance Eval (Non-Sampling)	Inspection/Evaluation		30-AUG-2005		30-AUG-2005

	Administrative - Informal	Achieved	28-OCT-2019		28-OCT-2019
	Administrative - Informal	Achieved	28-JUN-2022		28-JUN-2022
SANCHEZ DRIVE WTP (Permit NC0086991) Compliance Eval (Non-Sampling)	Inspection/Evaluation		28-JAN-2009		28-JAN-2009
	Administrative - Informal	Achieved	28-FEB-2023		28-FEB-2023
	Administrative - Informal	Achieved	28-FEB-2022		28-FEB-2022
SANCHEZ DRIVE WTP (Permit NC0086991) Letter Of Violation/Warning Letter	Administrative - Informal	Achieved	28-AUG-2008		28-AUG-2008
	Administrative - Informal	Achieved	27-JAN-2022		27-JAN-2022
SANCHEZ DRIVE WTP (Permit NC0086991) Compliance Eval (Non-Sampling)	Inspection/Evaluation		26-SEP-2007		26-SEP-2007
	Administrative - Informal	Achieved	25-MAR-2019		25-MAR-2019
	Administrative - Informal	Achieved	25-JUN-2018		25-JUN-2018

SANCHEZ DRIVE WTP (Permit NC0086991) Compliance Eval (Non-Sampling)	Inspection/Evaluation		25-JAN-2012		25-JAN-2012
	Administrative - Informal	Achieved	25-AUG-2020		25-AUG-2020
	Administrative - Informal	Achieved	23-MAY-2017		23-MAY-2017
SANCHEZ DRIVE WTP (Permit NC0086991) Compliance Eval (Non-Sampling)	Inspection/Evaluation		23-MAY-2002		23-MAY-2002
SANCHEZ DRIVE WTP (Permit NC0086991) Compliance Eval (Non-Sampling)	Inspection/Evaluation		22-NOV-2005		22-NOV-2005
	Administrative - Informal	Achieved	21-MAY-2018		21-MAY-2018
SANCHEZ DRIVE WTP (Permit NC0086991) Letter Of Violation/Warning Letter	Administrative - Informal	Achieved	20-OCT-2008		20-OCT-2008
	Administrative - Informal	Achieved	20-FEB-2015		20-FEB-2015
SANCHEZ DRIVE WTP (Permit NC0086991) Letter Of Violation/Warning Letter	Administrative - Informal	Achieved	20-FEB-2008		20-FEB-2008
	Administrative - Informal	Achieved	20-DEC-2021		20-DEC-2021

	Administrative - Informal	Achieved	18-FEB-2019		18-FEB-2019
	Administrative - Informal	Achieved	17-NOV-2014		17-NOV-2014
SANCHEZ DRIVE WTP (Permit NC0086991) Compliance Eval (Non-Sampling)	Inspection/Evaluation		17-MAR-2005		17-MAR-2005
SANCHEZ DRIVE WTP (Permit NC0086991) Compliance Eval (Non-Sampling)	Inspection/Evaluation		17-JUN-2003		17-JUN-2003
	Administrative - Informal	Achieved	17-JUL-2015		17-JUL-2015
SANCHEZ DRIVE WTP (Permit NC0086991) Letter Of Violation/Warning Letter	Administrative - Informal	Achieved	17-APR-2008		17-APR-2008
NC0086991-CEI-2014-04-03	Inspection/Evaluation	Active	16-OCT-2019	03-APR-2014	03-APR-2014
NC0086991-CEI-2019-06-12	Inspection/Evaluation	Active	16-OCT-2019	12-JUN-2019	12-JUN-2019
SANCHEZ DRIVE WTP (Permit NC0086991) Letter Of Violation/Warning Letter	Administrative - Informal	Achieved	16-MAY-2008		16-MAY-2008
SANCHEZ DRIVE WTP (Permit NC0086991) Letter Of Violation/Warning Letter	Administrative - Informal	Achieved	15-OCT-2009		15-OCT-2009

	Administrative - Informal	Achieved	15-JUL-2019		15-JUL-2019
	Administrative - Informal	Achieved	14-OCT-2015		14-OCT-2015
	Administrative - Informal	Achieved	13-NOV-2014		13-NOV-2014
	Administrative - Formal	Closed	12-JAN-2015		
	Administrative - Informal	Achieved	12-APR-2019		12-APR-2019
NPDES Permit (CWA)	Permit	Active	11-SEP-2014		
	Administrative - Informal	Achieved	11-DEC-2013		11-DEC-2013
	Administrative - Informal	Achieved	09-FEB-2017		09-FEB-2017
	Administrative - Informal	Achieved	09-APR-2020		09-APR-2020
	Administrative - Informal	Achieved	08-MAY-2015		08-MAY-2015
	Administrative - Informal	Achieved	08-FEB-2017		08-FEB-2017
NPDES Permit (CWA)	Permit	Active	06-FEB-2020		
	Administrative - Informal	Achieved	06-AUG-2018		06-AUG-2018

SANCHEZ DRIVE WTP (Permit NC0086991) Letter Of Violation/Warning Letter	Administrative - Informal	Achieved	05-AUG-2009		05-AUG-2009
	Administrative - Informal	Achieved	04-OCT-2021		04-OCT-2021
	Administrative - Informal	Achieved	04-MAY-2015		04-MAY-2015
	Administrative - Informal	Achieved	04-MAR-2019		04-MAR-2019
	Administrative - Informal	Achieved	04-FEB-2019		04-FEB-2019
	Administrative - Informal	Achieved	03-OCT-2022		03-OCT-2022
	Administrative - Informal	Achieved	03-MAR-2016		03-MAR-2016
	Administrative - Informal	Achieved	03-JUN-2021		03-JUN-2021
	Administrative - Informal	Achieved	03-AUG-2021		03-AUG-2021
	Administrative - Informal	Achieved	02-JUL-2018		02-JUL-2018
	Administrative - Informal	Achieved	01-SEP-2021		01-SEP-2021

	Administrative - Informal	Achieved	01-NOV-2022		01-NOV-2022
--	---------------------------	----------	-------------	--	-------------

Contacts

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
--------------------------	-------------------	--------------	-----------

No Contacts Found.

Permit Tracking

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
PERMIT ISSUED BY		ORIGINAL DATE OF ISSUE	14-DEC-2000
PERMIT ISSUED DATE	28-JUL-2014	PERMIT EXPIRED DATE	31-JUL-2019
EFFECTIVE DATE	01-SEP-2014	RETIREMENT DATE	31-JAN-2020

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
PERMIT ISSUED BY		ORIGINAL DATE OF ISSUE	14-DEC-2000
PERMIT ISSUED DATE	15-SEP-2009	PERMIT EXPIRED DATE	31-JUL-2014
EFFECTIVE DATE	01-OCT-2009	RETIREMENT DATE	31-AUG-2014

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
PERMIT ISSUED BY		ORIGINAL DATE OF ISSUE	14-DEC-2000
PERMIT ISSUED DATE	06-JAN-2020	PERMIT EXPIRED DATE	31-JUL-2024
EFFECTIVE DATE	01-FEB-2020	RETIREMENT DATE	

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
PERMIT ISSUED BY		ORIGINAL DATE OF ISSUE	14-DEC-2000
PERMIT ISSUED DATE	01-SEP-2004	PERMIT EXPIRED DATE	31-JUL-2009
EFFECTIVE DATE	01-SEP-2004	RETIREMENT DATE	

Permit Tracking Events:

EVENT DESCRIPTION	EVENT DATE
Permit Expiration	31-JUL-2024
Permit Effective	01-FEB-2020
Permit Retired	31-JAN-2020
Permit Issued	06-JAN-2020
Permit Reissued	06-JAN-2020
Draft Permit/Public Notice	01-NOV-2019
Permit Expiration	31-JUL-2019

Application/NOI Received	23-JAN-2019
Application/NOI Complete	23-JAN-2019
Permit Effective	01-SEP-2014
Permit Retired	31-AUG-2014
Permit Continued	01-AUG-2014
Permit Expiration	31-JUL-2014
Permit Issued	28-JUL-2014
Permit Reissued	28-JUL-2014
Draft Permit/Public Notice	12-JUN-2014
Application/NOI Complete	06-MAR-2014
Application/NOI Received	06-MAR-2014
Permit Effective	01-OCT-2009
Permit Reissued	01-OCT-2009
Permit Issued	15-SEP-2009
Schedule to Issue	17-AUG-2009
Permit Expiration	31-JUL-2009
Draft Permit/Public Notice	03-JUL-2009
Application/NOI Received	15-JAN-2009

Permit Issued	01-SEP-2004
Permit Effective	01-SEP-2004

Inspections

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
--------------------------	-------------------	--------------	-----------

INSPECTION TYPE	DATE OF INSPECTION	INSPECTION PERFORMED BY
SANCHEZ DRIVE WTP (Permit NC0086991) Compliance Eval (Non-Sampling)	30-AUG-2005	State
SANCHEZ DRIVE WTP (Permit NC0086991) Compliance Eval (Non-Sampling)	28-JAN-2009	State
SANCHEZ DRIVE WTP (Permit NC0086991) Compliance Eval (Non-Sampling)	26-SEP-2007	State
SANCHEZ DRIVE WTP (Permit NC0086991) Compliance Eval (Non-Sampling)	25-JAN-2012	State
SANCHEZ DRIVE WTP (Permit NC0086991) Compliance Eval (Non-Sampling)	23-MAY-2002	State
SANCHEZ DRIVE WTP (Permit NC0086991) Compliance Eval (Non-Sampling)	22-NOV-2005	State
SANCHEZ DRIVE WTP (Permit NC0086991) Compliance Eval (Non-Sampling)	17-MAR-2005	State
SANCHEZ DRIVE WTP (Permit NC0086991) Compliance Eval (Non-Sampling)	17-JUN-2003	State
NC0086991-CEI-2014-04-03	16-OCT-2019	State
NC0086991-CEI-2019-06-12	16-OCT-2019	State

Outfalls/Pipe Schedules

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
OUTFALL TYPE	External Outfall	PIPE NUMBER	001
ACTIVITY STATUS	A	REPORT DESIGNATOR	M
LATITUDE	34.5869	LONGITUDE	79.0514
LAT/LON ACCURACY		LAT/LON METHOD	
LAT/LON SCALE		LAT/LON DATUM	
INACTIVE DATE		USGS HYDRO BASIN CODE	
INIT DMR DUE DATE	30-NOV-09	SUBMISSION UNITS	Monthly
PIPE DESCRIPTION	Filter Backwash	UNITS IN SUBM. PERIOD	
INIT REPORTING DATE	01-OCT-09	REPORTING UNITS	Monthly
UNITS IN REPORTING PERIOD		DMR COMMENT	

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
OUTFALL TYPE	External Outfall	PIPE NUMBER	001
ACTIVITY STATUS	A	REPORT DESIGNATOR	M
LATITUDE	34.5869	LONGITUDE	79.0514
LAT/LON ACCURACY		LAT/LON METHOD	

LAT/LON SCALE		LAT/LON DATUM	
INACTIVE DATE		USGS HYDRO BASIN CODE	
INIT DMR DUE DATE	31-OCT-14	SUBMISSION UNITS	Monthly
PIPE DESCRIPTION	Filter Backwash to UT Little Jacob Br	UNITS IN SUBM. PERIOD	
INIT REPORTING DATE	01-SEP-14	REPORTING UNITS	Monthly
UNITS IN REPORTING PERIOD		DMR COMMENT	

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
OUTFALL TYPE	External Outfall	PIPE NUMBER	001
ACTIVITY STATUS	A	REPORT DESIGNATOR	1
LATITUDE	34.584444	LONGITUDE	-79.050556
LAT/LON ACCURACY		LAT/LON METHOD	
LAT/LON SCALE		LAT/LON DATUM	
INACTIVE DATE		USGS HYDRO BASIN CODE	
INIT DMR DUE DATE	28-OCT-04	SUBMISSION UNITS	Monthly
PIPE DESCRIPTION		UNITS IN SUBM. PERIOD	
INIT REPORTING DATE	01-SEP-04	REPORTING UNITS	Monthly
UNITS IN REPORTING PERIOD		DMR COMMENT	

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
OUTFALL TYPE	External Outfall	PIPE NUMBER	001
ACTIVITY STATUS	I	REPORT DESIGNATOR	M
LATITUDE	34.5869	LONGITUDE	79.0514
LAT/LON ACCURACY		LAT/LON METHOD	
LAT/LON SCALE		LAT/LON DATUM	
INACTIVE DATE		USGS HYDRO BASIN CODE	
INIT DMR DUE DATE	30-NOV-09	SUBMISSION UNITS	Monthly
PIPE DESCRIPTION	Filter Backwash	UNITS IN SUBM. PERIOD	
INIT REPORTING DATE	01-OCT-09	REPORTING UNITS	Monthly
UNITS IN REPORTING PERIOD		DMR COMMENT	

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
OUTFALL TYPE	External Outfall	PIPE NUMBER	001
ACTIVITY STATUS	A	REPORT DESIGNATOR	M
LATITUDE	34.5869	LONGITUDE	79.0514
LAT/LON ACCURACY		LAT/LON METHOD	
LAT/LON SCALE		LAT/LON DATUM	

INACTIVE DATE		USGS HYDRO BASIN CODE	
INIT DMR DUE DATE	01-APR-20	SUBMISSION UNITS	Monthly
PIPE DESCRIPTION	Filter Backwash to UT Little Jacob Br	UNITS IN SUBM. PERIOD	
INIT REPORTING DATE	01-FEB-20	REPORTING UNITS	Monthly
UNITS IN REPORTING PERIOD		DMR COMMENT	

Limits Report

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
PIPE NUMBER	001		
PIPE DESCRIPTION	Filter Backwash	REPORT DESIGNATOR	M
DMR COMMENT		LIMIT SET TYPE	Scheduled

LIMIT TYPE DESCRIPTION	PARAMETER DESCRIPTION	MONITORING LOCATION	SEASON NUM	LIMIT BEGIN DATE	LIMIT END DATE	CHANGE OF LIMIT STATUS	STAY TYPE DESCRIPTION	DOCKET NUMBER	LONG FORMAT
Enforceable	Chlorine, total residual	Effluent Gross	9	01-OCT-2009	31-JUL-2014				YES

Enforceable	Flow, in conduit or thru treatment plant	Effluent Gross	9	01-OCT-2009	31-JUL-2014				YES
Enforceable	Fluoride, total [as F]	Effluent Gross	9	01-OCT-2009	31-JUL-2014				YES
Enforceable	Iron, total [as Fe]	Effluent Gross	9	01-OCT-2009	31-JUL-2014				YES
Enforceable	Solids, total suspended	Effluent Gross	9	01-OCT-2009	31-JUL-2014				YES
Enforceable	pH	Effluent Gross	9	01-OCT-2009	31-JUL-2014				YES

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
PIPE NUMBER	001		
PIPE DESCRIPTION	Filter Backwash to UT Little Jacob Br	REPORT DESIGNATOR	M
DMR COMMENT		LIMIT SET TYPE	Scheduled

LIMIT TYPE DESCRIPTION	PARAMETER DESCRIPTION	MONITORING LOCATION	SEASON NUM	LIMIT BEGIN DATE	LIMIT END DATE	CHANGE OF LIMIT STATUS	STAY TYPE DESCRIPTION	DOCKET NUMBER	LONG FORMAT
Enforceable	Chlorine, total residual	Effluent Gross	9	01-SEP-2014	31-JUL-2019				YES
Enforceable	Flow, in conduit or thru treatment plant	Effluent Gross	9	01-MAR-2016	31-JUL-2019				YES
Enforceable	Solids, total suspended	Effluent Gross	9	01-SEP-2014	31-JUL-2019				YES
Enforceable	Turbidity	Effluent Gross	9	01-SEP-2014	31-JUL-2019				YES
Enforceable	pH	Effluent Gross	9	01-SEP-2014	31-JUL-2019				YES

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
PIPE NUMBER	001		
PIPE DESCRIPTION		REPORT DESIGNATOR	1

DMR COMMENT		LIMIT SET TYPE	Scheduled
--------------------	--	-----------------------	-----------

LIMIT TYPE DESCRIPTION	PARAMETER DESCRIPTION	MONITORING LOCATION	SEASON NUM	LIMIT BEGIN DATE	LIMIT END DATE	CHANGE OF LIMIT STATUS	STAY TYPE DESCRIPTION	DOCKET NUMBER	LONG FORMAT
Enforceable	Chlorine, total residual	Effluent Gross	0	01-SEP-2004	31-JUL-2009				YES
Enforceable	Flow, in conduit or thru treatment plant	Effluent Gross	0	01-SEP-2004	31-JUL-2009				YES
Enforceable	Iron, total [as Fe]	Effluent Gross	0	01-SEP-2004	31-JUL-2009				YES
Enforceable	Solids, settleable	Effluent Gross	0	01-SEP-2004	31-JUL-2009				YES
Enforceable	Solids, total suspended	Effluent Gross	0	01-SEP-2004	31-JUL-2009				YES
Enforceable	Turbidity	Effluent Gross	0	01-SEP-2004	31-JUL-2009				YES

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
PIPE NUMBER	001		
PIPE DESCRIPTION	Filter Backwash to UT Little Jacob Br	REPORT DESIGNATOR	M
DMR COMMENT		LIMIT SET TYPE	Scheduled

LIMIT TYPE DESCRIPTION	PARAMETER DESCRIPTION	MONITORING LOCATION	SEASON NUM	LIMIT BEGIN DATE	LIMIT END DATE	CHANGE OF LIMIT STATUS	STAY TYPE DESCRIPTION	DOCKET NUMBER	LONG FORMAT
Enforceable	Chlorine, total residual	Effluent Gross	9	01-FEB-2020	31-JUL-2024				YES
Enforceable	Flow, in conduit or thru treatment plant	Effluent Gross	9	01-FEB-2020	31-JUL-2024				YES
Enforceable	Solids, total suspended	Effluent Gross	9	01-FEB-2020	31-JUL-2024				YES
Enforceable	Turbidity	Effluent Gross	9	01-FEB-2020	31-JUL-2024				YES

Enforceable	pH	Effluent Gross	9	01-FEB-2020	31-JUL-2024				YES
-------------	----	----------------	---	-------------	-------------	--	--	--	-----

Limits Report

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Maximum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Maximum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Maximum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Maximum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Maximum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Maximum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	17
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Maximum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Chlorine, total residual	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	.1
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	.1
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	.1
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	.1
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	.1
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	.1
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	.1
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-MAR-2016	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-MAR-2016	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-MAR-2016	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-MAR-2016	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-MAR-2016	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-MAR-2016	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-MAR-2016	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Maximum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Maximum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Maximum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Maximum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Maximum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Maximum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Million Gallons per Day	STATISTICAL BASE LONG DESC	Maximum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Fluoride, total [as F]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Fluoride, total [as F]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Fluoride, total [as F]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Fluoride, total [as F]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Fluoride, total [as F]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Fluoride, total [as F]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Fluoride, total [as F]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Maximum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Maximum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Maximum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Maximum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Maximum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Maximum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Maximum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Micrograms per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, settleable	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	.1
UNIT DESCRIPTION	Milliliters per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, settleable	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	.1
UNIT DESCRIPTION	Milliliters per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, settleable	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	.1
UNIT DESCRIPTION	Milliliters per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, settleable	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	.1
UNIT DESCRIPTION	Milliliters per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, settleable	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	.1
UNIT DESCRIPTION	Milliliters per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, settleable	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	.1
UNIT DESCRIPTION	Milliliters per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, settleable	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	.1
UNIT DESCRIPTION	Milliliters per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, settleable	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	.2
UNIT DESCRIPTION	Milliliters per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, settleable	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	.2
UNIT DESCRIPTION	Milliliters per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, settleable	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	.2
UNIT DESCRIPTION	Milliliters per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, settleable	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	.2
UNIT DESCRIPTION	Milliliters per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, settleable	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	.2
UNIT DESCRIPTION	Milliliters per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, settleable	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	.2
UNIT DESCRIPTION	Milliliters per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, settleable	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	.2
UNIT DESCRIPTION	Milliliters per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, settleable	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milliliters per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, settleable	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milliliters per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, settleable	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milliliters per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, settleable	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milliliters per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, settleable	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milliliters per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, settleable	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milliliters per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, settleable	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milliliters per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	30
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	30 Day Average

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	45
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Solids, total suspended	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Milligrams per Liter	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Average (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	50
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	50
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	50
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	50
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	50
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	50
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	50
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2004	REPORT DESIGNATOR	1
PARAMETER DESCRIPTION	Turbidity	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2009	SEASON NUM	0
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	
UNIT DESCRIPTION	Nephelometric Turbidity Units	STATISTICAL BASE LONG DESC	Minimum (Data Migration)

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	9
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	9
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	9
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	9
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	9
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	9
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	9
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	9
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	9
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	9
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	9
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	9
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	9
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	9
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	9
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	9
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	9
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	9
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	9
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	9
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	9
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Maximum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	6
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Minimum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	6
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Minimum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	6
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Minimum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	6
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Minimum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	6
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Minimum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	6
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Minimum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	6
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Minimum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	6
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Minimum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0449	LIMIT VALUE NUMBER	6
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Minimum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	6
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Minimum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	6
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Minimum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	6
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Minimum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	6
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Minimum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	6
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Minimum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0415	LIMIT VALUE NUMBER	6
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Minimum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0010	LIMIT VALUE NUMBER	6
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Minimum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0225	LIMIT VALUE NUMBER	6
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Minimum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-OCT-2009	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2014	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2009LV0336	LIMIT VALUE NUMBER	6
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Minimum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008LV0469	LIMIT VALUE NUMBER	6
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Minimum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-FEB-2020	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2024	SEASON NUM	9

STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	6
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Minimum

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE DESCRIPTION	Enforceable	PIPE NUMBER	001
LIMIT BEGIN DATE	01-SEP-2014	REPORT DESIGNATOR	M
PARAMETER DESCRIPTION	pH	MONITORING LOCATION	Effluent Gross
LIMIT END DATE	31-JUL-2019	SEASON NUM	9
STATUS CHANGE REASON TEXT		STAY TYPE DESCRIPTION	
DOCKET NUMBER	NV2008MV0027	LIMIT VALUE NUMBER	6
UNIT DESCRIPTION	Standard Units	STATISTICAL BASE LONG DESC	Daily Minimum

Measurements and Violations

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	1
PARAMETER CODE	Chlorine, total residual	MONITORING LOCATION	Effluent Gross

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	1
PARAMETER CODE	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	1
PARAMETER CODE	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	1
PARAMETER CODE	Solids, settleable	MONITORING LOCATION	Effluent Gross

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	1
PARAMETER CODE	Solids, total suspended	MONITORING LOCATION	Effluent Gross

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	1
PARAMETER CODE	Turbidity	MONITORING LOCATION	Effluent Gross

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	9	REPORT DESIGNATOR	M
PARAMETER CODE	Chlorine, total residual	MONITORING LOCATION	Effluent Gross

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	9	REPORT DESIGNATOR	M
PARAMETER CODE	Flow, in conduit or thru treatment plant	MONITORING LOCATION	Effluent Gross

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	9	REPORT DESIGNATOR	M
PARAMETER CODE	Fluoride, total [as F]	MONITORING LOCATION	Effluent Gross

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	9	REPORT DESIGNATOR	M
PARAMETER CODE	Iron, total [as Fe]	MONITORING LOCATION	Effluent Gross

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	9	REPORT DESIGNATOR	M
PARAMETER CODE	Solids, total suspended	MONITORING LOCATION	Effluent Gross

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	9	REPORT DESIGNATOR	M
PARAMETER CODE	Turbidity	MONITORING LOCATION	Effluent Gross

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	9	REPORT DESIGNATOR	M
PARAMETER CODE	pH	MONITORING LOCATION	Effluent Gross

Compliance Schedules and Violations

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
--------------------------	-------------------	--------------	-----------

Compliance Schedule Violations

SCHEDULE NUMBER	DATA SOURCE	VIOLATION	RNC DETECTION CODE	RNC DETECTION DATE	RNC RESOLUTION CODE	RNC RESOLUTION DATE
	3200066200	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-MAY-2013	RE - Back into Compliance	31-JUL-2013
	3200066200	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-DEC-2013	RE - Back into Compliance	31-JAN-2015
	3200066200	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-JAN-2014	RE - Back into Compliance	31-JAN-2015
	3200066200	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-MAR-2014	RE - Back into Compliance	31-JAN-2015
	3200066200	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-JUL-2014	RE - Back into Compliance	30-JUN-2015

	3200066200	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	30-SEP-2014	RE - Back into Compliance	30-JUN-2015
	3400284980	DMR, Limited - Overdue	Non-Receipt of DMR/Schedule Report	01-DEC-2014	RE - Manual by EPA/State/Tribal Action	31-DEC-2016
	3400284980	DMR, Limited - Overdue	Non-receipt Violation, Non- Monthly Average	01-DEC-2014	RE - Manual by EPA/State/Tribal Action	31-DEC-2016
	3400284980	DMR, Monitor Only - Overdue	Non-receipt Violation, Non- Monthly Average	01-DEC-2014	RE - Manual by EPA/State/Tribal Action	31-DEC-2016
	3400284980	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-DEC-2014	RE - Back into Compliance	30-JUN-2015
	3400284980	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-MAR-2015	RE - Back into Compliance	30-JUN-2015
	3400284980	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-JUL-2015	RE - Back into Compliance	30-JUN-2016
	3400284980	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-JUL-2015	RE - Back into Compliance	31-OCT-2015

	3400284980	DMR, Limited - Overdue	Non-receipt Violation, Non-Monthly Average	01-OCT-2015	RE - Manual by EPA/State/Tribal Action	30-JUN-2017
	3400284980	DMR, Limited - Overdue	Non-receipt Violation, Non-Monthly Average	31-OCT-2015	RE - Manual by EPA/State/Tribal Action	30-JUN-2017
	3400284980	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non-Monthly Average	30-NOV-2015	RE - Back into Compliance	30-JUN-2016
	3400284980	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non-Monthly Average	31-DEC-2015	RE - Back into Compliance	30-JUN-2016
	3400284980	DMR, Limited - Overdue	Non-receipt Violation, Non-Monthly Average	31-MAY-2016	RE - Manual by EPA/State/Tribal Action	30-JUN-2017
	3400284980	DMR, Monitor Only - Overdue	Non-receipt Violation, Non-Monthly Average	31-MAY-2016	RE - Manual by EPA/State/Tribal Action	30-JUN-2017
	3400284980	DMR, Limited - Overdue	Non-receipt Violation, Non-Monthly Average	01-JUL-2016	RE - Manual by EPA/State/Tribal Action	30-JUN-2017
	3400284980	DMR, Monitor Only - Overdue	Non-receipt Violation, Non-Monthly Average	01-JUL-2016	RE - Manual by EPA/State/Tribal Action	30-JUN-2017

	3400284980	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	30-SEP-2016	RE - Back into Compliance	31-MAR-2017
	3400284980	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	28-FEB-2017	RE - Back into Compliance	31-AUG-2017
	3400284980	DMR, Monitor Only - Overdue	Non-receipt Violation, Non- Monthly Average	01-MAY-2017	RE - Manual by EPA/State/Tribal Action	30-JUN-2017
	3400284980	DMR, Monitor Only - Overdue	Non-receipt Violation, Non- Monthly Average	01-JUL-2017	RE - Manual by EPA/State/Tribal Action	01-JUL-2017
	3400284980	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-JUL-2017	RE - Back into Compliance	30-NOV-2018
	3400284980	DMR, Monitor Only - Overdue	Non-receipt Violation, Non- Monthly Average	31-JUL-2017	RE - Manual by EPA/State/Tribal Action	31-JUL-2017
	3400284980	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-OCT-2017	RE - Back into Compliance	30-NOV-2018
	3400284980	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-DEC-2017	RE - Back into Compliance	30-NOV-2018

	3400284980	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-JAN-2018	RE - Back into Compliance	30-NOV-2018
	3400284980	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	28-FEB-2018	RE - Back into Compliance	30-NOV-2018
	3400284980	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-MAR-2018	RE - Back into Compliance	30-NOV-2018
	3400284980	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	30-APR-2018	RE - Back into Compliance	30-NOV-2018
	3400284980	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-MAY-2018	RE - Back into Compliance	30-NOV-2018
	3400284980	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-AUG-2018	RE - Back into Compliance	28-FEB-2019
	3400284980	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-DEC-2018	RE - Back into Compliance	28-FEB-2019
	3602104965	DMR, Limited - Overdue	Non-Receipt of DMR/Schedule Report	01-JUN-2020	RE - Automated Administratively Resolved (DMR Non- Receipt Violations)	01-JUN-2022

	3602104965	DMR, Limited - Overdue	Non-receipt Violation, Non-Monthly Average	01-JUN-2020	RE - Automated Administratively Resolved (DMR Non-Receipt Violations)	01-JUN-2022
	3602104965	DMR, Monitor Only - Overdue	Non-receipt Violation, Non-Monthly Average	01-JUN-2020	RE - Automated Administratively Resolved (DMR Non-Receipt Violations)	01-JUN-2022
	3602104965	DMR, Limited - Overdue	Non-Receipt of DMR/Schedule Report	01-SEP-2020	RE - Automated Administratively Resolved (DMR Non-Receipt Violations)	01-SEP-2021
	3602104965	DMR, Limited - Overdue	Non-receipt Violation, Non-Monthly Average	01-SEP-2020	RE - Automated Administratively Resolved (DMR Non-Receipt Violations)	01-SEP-2021
	3602104965	DMR, Monitor Only - Overdue	Non-receipt Violation, Non-Monthly Average	01-SEP-2020	RE - Automated Administratively Resolved (DMR Non-Receipt Violations)	01-SEP-2021
	3602104965	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non-Monthly Average	31-MAY-2021	NC - Unresolved RNC	31-MAY-2021
	3602104965	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non-Monthly Average	30-JUN-2021	NC - Unresolved RNC	30-JUN-2021

	3602104965	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-JUL-2021	NC - Unresolved RNC	31-JUL-2021
	3602104965	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-OCT-2021	NC - Unresolved RNC	31-OCT-2021
	3602104965	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	30-NOV-2021	NC - Unresolved RNC	30-NOV-2021
	3602104965	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-DEC-2021	NC - Unresolved RNC	31-DEC-2021
	3602104965	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-MAR-2022	NC - Unresolved RNC	31-MAR-2022
	3602104965	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	30-APR-2022	NC - Unresolved RNC	30-APR-2022
	3602104965	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	30-JUN-2022	NC - Unresolved RNC	30-JUN-2022
	3602104965	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-JUL-2022	NC - Unresolved RNC	31-JUL-2022

	3602104965	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-AUG-2022	NC - Unresolved RNC	31-AUG-2022
	3602104965	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-OCT-2022	NC - Unresolved RNC	31-OCT-2022
	3602104965	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	30-NOV-2022	NC - Unresolved RNC	30-NOV-2022
	3602104965	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-DEC-2022	NC - Unresolved RNC	31-DEC-2022
	3602104965	DMR, Limited - Numeric Violation	TRC Limitations Exceeded, Non- Monthly Average	31-MAR-2023	NC - Unresolved RNC	31-MAR-2023
	3200066200	DMR, Limited - Numeric Violation				
	3200066201	DMR, Limited - Numeric Violation				
	3400284980	DMR, Limited - Numeric Violation				

	3400284980	DMR, Limited - Overdue				
	3602104965	DMR, Limited - Numeric Violation				
	3602104965	DMR, Limited - Overdue				

No Compliance Schedules Found.

Pretreatment Inspections/Audits

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
--------------------------	-------------------	--------------	-----------

No ICIS Pretreatment Inspections Found.

Pretreatment Performance Summary

FACILITY NAME (1)	SANCHEZ DRIVE WTP	NPDES	NC0086991
--------------------------	-------------------	--------------	-----------

No ICIS Pretreatment Performance Summary Information Found.

Note: You are viewing results from the modernized data system, Integrated Compliance Information System (ICIS). The state reporting this data to EPA previously reported the data to a historic data system, Permit Compliance System (PCS). Use the following button to view the historic data from PCS. **Run a PCS Search**

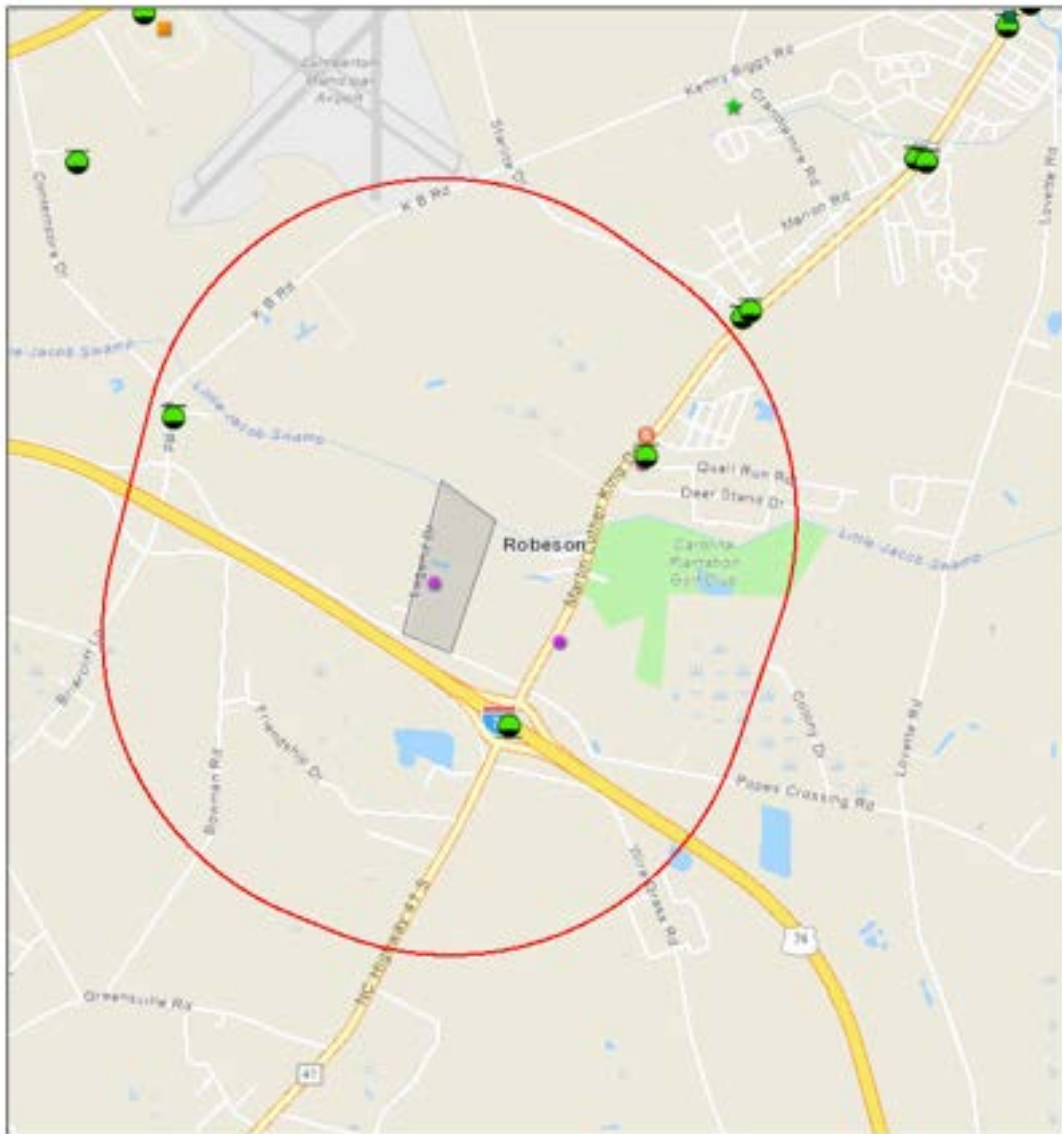


Screening Report - Legend Road Water Tank (1-mile Buffer)

Area of Interest (AOI) Information

Area : 128,703,220.09 ft²

May 11 2023 12:26:48 Eastern Daylight Time



1:36,112

0 0.25 0.5 1 mi
0 0.4 0.8 1.6 km

Hazardous Waste Sites	Non-UST Incidents
Inactive Hazardous Sites	Low Risk
DryCleaning City Directories	UST Active Facilities
UST Incidents	Land Use Restriction and/or Notices
Low Risk	Notice and Restriction
	County Boundary

NCDOT GIS Unit, State of North Carolina DOT, Esri, HERE, DeLorme, Swisstopo, GeoTechnologies, Inc., SETPOINT, USGS, EPA, NPS, US Census Bureau, USDA

UST Incidents

#	IncidentNumber	IncidentName	Count
1	21728	SUNDO 41	1
2	<i>No Data</i>	ROADWAY EXPRESS INC	1

Non-UST Incidents

#	IncidentNumber	IncidentName	Count
1	90014	EDISTO CARRIERS WRECK	1

UST Active Facilities

#	FACILID	FACILNAME	Count
1	00-0-0000018702	SUNDO - 41	1
2	00-0-0000036014	MINUTEMAN 25	1
3	00-0-0000036755	ROBESON COUNTY PUBLIC WKS DEPT	1

Land Use Restriction and/or Notices

#	Prj_Number	Prj_Name	Count
1	FA-1109	SUNDO 41	1

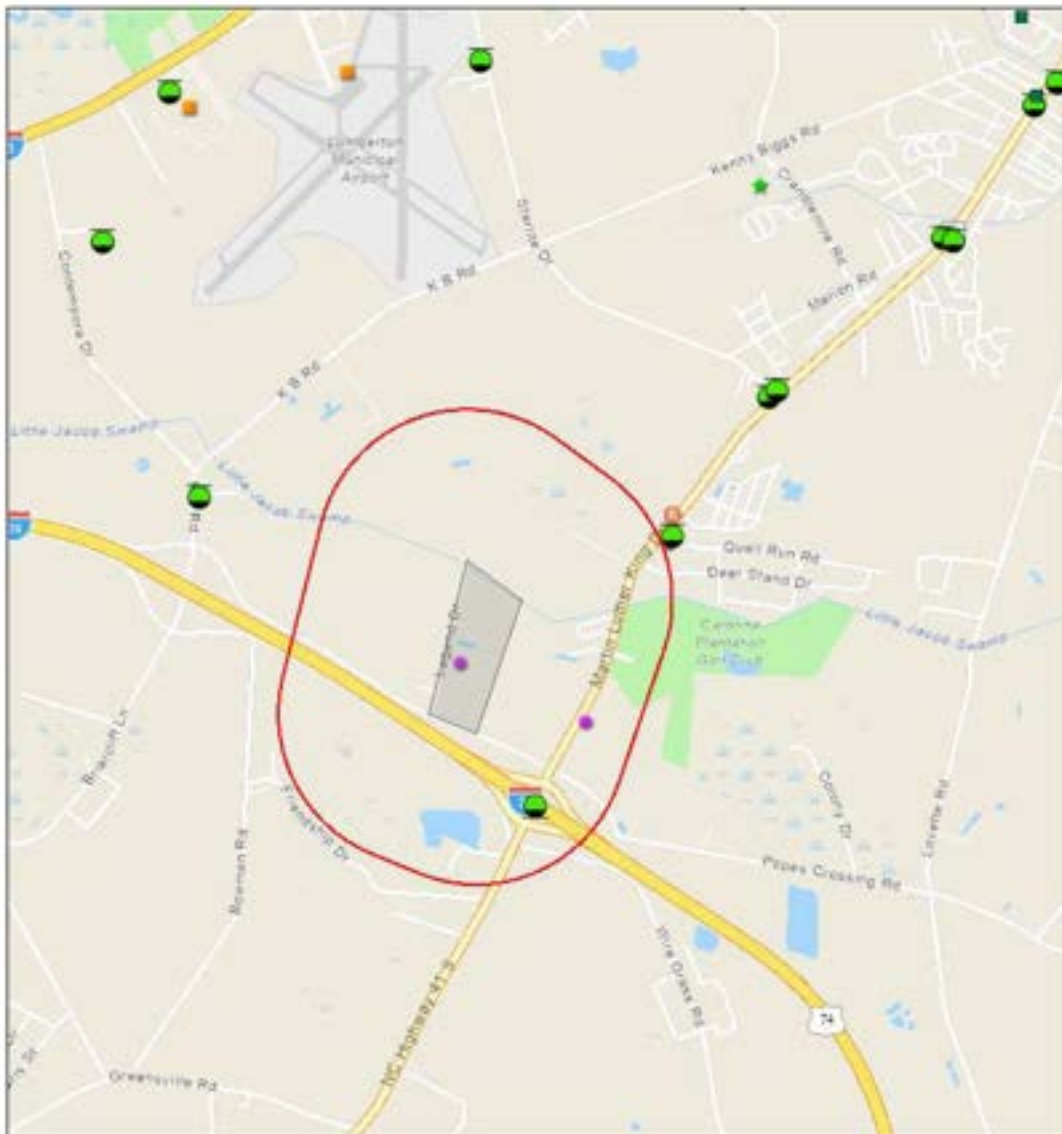


Screening Report - Legend Road Water Tank (0.5-mile Buffer)

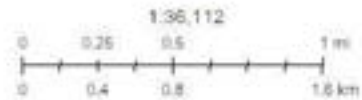
Area of Interest (AOI) Information

Area : 43,767,393.28 ft²

Sep 12 2023 12:07:48 Eastern Daylight Time



- | | |
|------------------------------|--|
| Hazardous Waste Sites | Non-UST Incidents |
| Inactive Hazardous Sites | Low Risk |
| DryCleaning City Directories | UST Active Facilities |
| UST Incidents | Land Use Restriction and/or Notices |
| Low Risk | Notice and Restriction |
| | County Boundary |



NCDOIT GIS Unit, State of North Carolina DOIT, Esri, HERE, DeLorme, SwisStop, GeoTechnologies, Inc. ©2023 ESRI, IPS, US Census Bureau, USDA

Non-UST Incidents

#	IncidentNumber	IncidentName	Count
1	90014	EDISTO CARRIERS WRECK	1

UST Active Facilities

#	FACILID	FACILNAME	Count
1	00-0-0000036014	MINUTEMAN 25	1
2	00-0-0000036755	ROBESON COUNTY PUBLIC WKS DEPT	1

UST-6

APPLICATION TO INSTALL OR REPLACE UNDERGROUND STORAGE TANK SYSTEMS (PRE/POST-INSTALLATION)



Facility ID No.:
00-0-00036014

Is this an existing facility? Yes
 No

INSTRUCTIONS: This form is used to: (1) document the proposed installation of regulated Underground Storage Tanks (UST) and/or piping in North Carolina, referred to as the UST-6A, and (2) certify the specifics of the installation once it is complete, referred to as the UST-6B. Please type or print all items except signature. If more than four (4) UST systems are being installed at the facility, photocopy the necessary additional sheets and staple to this form.

1. Type of Notification		STATE USE ONLY	
1.1	<input type="checkbox"/> Pre-Installation Notification (UST-6A)	Projected Installation Start Date: ASAP	UST-6A Reviewer Name:
		UST System components to be installed (Check one): <input type="checkbox"/> Tanks and Piping <input checked="" type="checkbox"/> Piping Only <input type="checkbox"/> Tanks Only <input type="checkbox"/> Piping Only (Emergency)* *[A letter of emergency justification must be provided]	UST-6A Approved: <input type="checkbox"/> Yes <input type="checkbox"/> No Date UST-6A Approved / Disapproved:
1.2	<input checked="" type="checkbox"/> Post-Installation Notification (UST-6B)	Date Installation Completed: 10/10/2022	UST-6B Reviewer Name: Gerald Y. Hornaday
		Were there any modifications made to the approved UST-6A design (Check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	UST-6B Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Date UST-6B Approved / Disapproved: 12/14/2022

2. Ownership of UST System			3. Operator of UST System <input type="checkbox"/> Check if same as owner		
Owner Name (Corporation, Individual, Public Agency, or Other Entity) Campbell Oil Company			Operator Name (Corporation, Individual, Public Agency, or Other Entity) THE GAS MART, INC.		
Contact Name (if not named above) JILL SMITH			Contact Name (if not named above) JILL SMITH		
Mailing Address PO BOX 637			Mailing Address PO BOX 39		
City ELIZABETHTOWN	State NC	Zip Code 28337	City ELIZABETHTOWN	State NC	Zip Code 28337
Phone Number 910-874-9869	Email Address jillj@campbelloilcompany.com		Phone Number 910-874-9869	Email Address jillj@campbelloilcompany.com	

Check here if "Real" Property Owner of Site

Type of UST Owner (check all that apply): State Gov't Local Gov't Private/Corporate Federal Gov't GSA Facility ID _____

4. Location of UST System

Facility Name or Company
MINUTEMAN FOOD MART #25 Check if tanks located on Indian lands or reservation

Street Address (if street address has not been assigned, then provide county tax map number or street intersection):
3905 MARTIN LUTHER KING DR

City
LUMBERTON State
NC Zip Code
28358

County
Robeson Phone Number
(910) 618-0828 Email Address
jillj@campbelloilcompany.com

5. North Carolina Professional Engineer			6. Main UST System Installation Contractor		
PE Name TIM LAUGHLIN		PE License No. 022012	Contractor Name PIEDMONT PUMP & TANK, LLC		
Company Name NCPCM			Project Manager Name (if not named above) BOBBY CREECH		
Mailing Address 7300 GLENWOOD AVE.			Mailing Address 110 NORTH OSCAR LANE		
City RALEIGH	State NC	Zip Code 27612	City WENDELL	State NC	Zip Code 27591
Phone Number 919-782-4411	Fax Number 919-782-4414		Phone Number 919-697-9652	Fax Number	
Email Address tlaughlin@ncpcm.org			Email Address bobby@piedmontpumpandtank.com		

UST-6

Application to Install or Replace Underground Storage Tank Systems (Pre/Post-Installation)



Please complete and attach this page when submitting a UST-6A (proposed installation).

7. Scope of the Proposed Work

7.1 Proposed Work – General

This UST-6A proposes the installation of UST system components as part of a(n):

- New UST Facility (Ground Up)
 Existing UST Facility - Expansion
 Existing UST Facility - Replacement of UST System Component(s)

7.2 Proposed Work – Components (to be filled out for non-ground up installations)

This UST-6A proposes the installation of the following UST components (check all that apply):

- Underground Storage Tanks
 Spill Prevention Equipment (e.g., spill buckets)
 Leak Detection Equipment (e.g., sump sensors, monitoring consoles)
- Piping
 Overfill Prevention Equipment (e.g., flapper valves, ball float vent restriction devices)
 Stage I Vapor Recovery Equipment
- Containment Sumps

8. Additional Description of the Proposed Work

For proposed installations that require additional description (e.g., complicated projects), please include additional details below. Also, if piping is being replaced at an existing facility, please explain reason for replacement and condition of other existing piping at facility, as applicable:

INSTALL NEW DIESEL DISPENSERS & PIPING

ADD NEW TANK #1 STP, LEAK SENSOR, & ALLD. USE EXISTING TANK #1 SUMP

CONNECT EXISTING AUTO DIESEL PIPING TO NEW TRUCK DIESEL PIPING VIA PIPE TEE.

NOTE: Per 15A NCAC 2N, no UST system or UST system component may be installed:

- Within 100 feet of a well serving a public water supply
- Within 50 feet of any other well used for human consumption
- Where it would be in contact with petroleum contaminated soils
- Where it would be in contact with free product

NOTE: "Existing" temporarily closed USTs must follow the requirements outlined in the temporary closure link below before the UST may return to service after a piping replacement. This includes the following USTs:

- USTs listed as being in temporary closure with NC DEQ
- USTs out of use for 90 or more days. This includes USTs that were in-use but the piping replacement takes longer than 90 days to complete or USTs where NC DEQ was not notified of the temporary closure.

https://files.nc.gov/ncdeq/Waste%20Management/DWM/UST/Brochures-FAQs/Brochure-Temporary_Closure.pdf

9. UST-6A Application Certification (Pre-Installation)

I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this and all attached documents; and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Jill Smith

Safety Director

Print Name of Applicant

Print Title of Applicant

CAMPBELL OIL CO.

910-876-1582

Company Name

Telephone No.

Applicant Signature

Date Signed

10. UST-6A Attachments (Pre-Installation)

Please attach the following items to this submittal (i.e., Pages 1 and 2).

10.1	Sections 11 through 17 (pages 3-7) of the UST-6 form detailing the proposed installation	<input checked="" type="checkbox"/> Yes	
10.2	An 11" x 17" scale drawing signed and sealed by a North Carolina Professional Engineer detailing the proposed installation	<input checked="" type="checkbox"/> Yes	
10.3	UST-6C, "Application to Install or Replace Underground Storage Tank Systems (Schedule of Materials)" signed and sealed by a North Carolina Professional Engineer	<input checked="" type="checkbox"/> Yes	
10.4	UST-15A, "Ownership of UST System(s)"	<input type="checkbox"/> Yes	
10.5	Proof of Financial Responsibility along with the Certification of Financial Responsibility form	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> Will be submitted after post-installation testing
10.6	Tank manufacturer's re-certification checklist. (Only required for "used" tanks being reinstalled)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
10.7	UST-20, "Alternative Fuel /Hazardous Substances Compatibility Checklist" (Only required for > 20% Bio-Diesel, >10% Ethanol or Hazardous substances)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A



11. Description of all Underground Storage Tanks (USTs) at this Facility

Instructions: Please complete Part 1 of this Section when submitting a UST-6A (proposed installation). Upon completion of installation, verify the information in Part 1 and revise as necessary, making sure to indicate those changes, and then complete Part 2. If there are more than four USTs at facility, please attach additional copies of this page.

PART 1 – PRE-INSTALLATION

11.1	UST – General				
11.1.1	TANK IDENTIFICATION NO. (e.g., A, B, C or 1, 2, 3; If compartment tank 1A, 1B, 1C, etc.)	Tank No. 1	Tank No. 2	Tank No. 3,4, & 5	Tank No.
11.1.2	Indicate if tank is N= new, U=used, or E=existing ¹	Existing	Existing	Existing	
11.1.3	Capacity (gallons) If compartment tank, list compartment size.	6000	2000	12000	

11.2	UST – Product Stored				
11.2.1	Product stored or to be stored (if other specify below) ²	Diesel	Kerosene	Gasoline	
11.2.2	If Other (specify)				
11.2.3	If hazardous substance, provide Chemical Abstract Service (CAS) number				

11.3	UST – Construction				
11.3.1	Tank manufacturer				
11.3.2	Tank model				
11.3.3	Materials of construction ³	Other	Other	Other	
11.3.4	If other (specify)	SW CP STEEL	SW CP STEEL	SW CP STEEL	
11.3.5	Check if tank is siphon manifolded and enter tank # it is manifolded with.	<input type="checkbox"/> /	<input type="checkbox"/> /	<input type="checkbox"/> /	<input type="checkbox"/> /

11.4	UST – Interstitial Monitoring (Leak Detection) ⁴				
11.4.1	Method of monitoring tank interstice ⁵				
11.4.2	Tank interstitial sensor manufacturer				
11.4.3	Tank interstitial sensor model				

PART 2 – POST INSTALLATION

11.5	UST – Post Installation Certification (To Be Filled Out After Installation is Complete)				
11.5.1	Date of UST installation ⁶				
11.5.2	Tank UL (or serial) number				

¹ If UST is "used" attach a completed manufacturers re-certification checklist. If "existing", please fill out sections 11.1 and 11.2 at a minimum.

² Enter one of the following choices: Aviation Gas, Biodiesel (> 20%) – Diesel Mix*, Diesel, Ethanol (> 10%) –Gas Mix*, Fuel Oil, Gasoline, Hazardous Substance, Heating Oil, Kerosene, Motor Oil, Other Non-Petroleum, Other Petroleum, Transmission Fluid, or Used Oil
* Tanks with ≤20% Biodiesel should list the product as "Diesel" and tanks with ≤10% Ethanol should list the product as "Gasoline"

³ Enter one of the following choices: DW* FRP** (e.g. Xerxes, Containment Solutions), DW* Steel/FRP** (e.g. ACT-100), DW* Steel/Polyurethane (e.g. ACT-100-U), DW* Steel/Jacketed (e.g. Perm tank, Titan), Other
*DW = Double-walled **FRP = Fiberglass Reinforced Plastic

⁴ All tanks installed on or after November 1, 2007 must be of double-walled construction with continuous interstitial monitoring.

⁵ Enter one of the following choices: VM=Vacuum Sensor, PR=Pressure Sensor, HYDRO=Hydrostatic Float*, LDS=Liquid Detecting (dry) Sensor (usually position-sensitive)*, OTH=Other (specify type)
* Tanks using liquid detecting (dry) interstitial sensors must also be tested for tightness in accordance with 15A NCAC 02N.0903(f) & tanks using hydrostatic (wet) interstitial sensors must be dual-float to monitor both low & high level alarm conditions.

⁶ For consistency, please use the same installation date as recorded on the tank manufacturer's installation checklists.



12. Description of All Piping Systems at this Facility

Instructions: Please complete Part 1 of this Section when submitting a UST-6A (proposed installation). Upon completion of installation, verify the information in Part 1 and revise as necessary, making sure to indicate those changes, and then complete Part 2. If there will be piping associated with more than four USTs, more than four different types of piping installed, etc., please attach additional copies of this page.

PART 1 – PRE-INSTALLATION

12.1 Piping System – General

12.1.1	Tank # (associated with piping) ¹	1	1		
12.1.2	Indicate if piping is N=new or E=existing ²	New	Existing		
12.1.3	Indicate piping use/application ³	Product Distribution	Product Distribution		
12.1.4	If Other (specify)				
12.1.5	Piping configuration (PR=Pressurized, SU=Suction, SI=Siphon or GR=Gravity)	Pressurized	Pressurized		

12.2 Piping System – Construction

12.2.1	Piping manufacturer	OPW			
12.2.2	Piping model	C15A			
12.2.3	Material of construction ⁴	DW Flex	DW Flex		
12.2.4	If Other (specify)				

12.3 Piping System – Interstitial Monitoring (Leak Detection) ⁵

12.3.1	Method of monitoring piping interstice ⁶	Liquid Detecting Sensor			
12.3.2	Piping interstitial sensor manufacturer	VEEDER ROOT			
12.3.3	Piping interstitial sensor model	#794380-208			
12.3.4	Indicate if piping interstitial sensor is N=new or E=existing	New			

12.4 Piping System – Automatic Line Leak Detector (To Be Filled Out for Pressurized Piping Only)

12.4.1	Automatic Line Leak Detector (ALLD) (Mechanical or Electronic)	Mechanical	Mechanical		
12.4.2	ALLD manufacturer	RED JACKET	RED JACKET		
12.4.3	ALLD model	FX1DV	FX1DV		
12.4.4	Indicate if ALLD is N=new or E=existing	New	New		

¹ Indicate which tank the piping is associated with (e.g., Tank 1, Tank 2A, Tank 2B). If the piping is associated with two or more USTs (e.g., a siphon manifold), then list both tanks in the column (e.g., Tank 1 & 2). If there is more than a single kind of piping associated with an individual tank, list each kind of piping in a separate column.
² If "existing", provide (minimally) the use, type of piping and configuration and as much other information as available.
³ Enter one of the following choices:
 PD = Product Distribution
 M = Tank Manifold (Siphon Bar)
 RF = Remote Fill
 PR = Product Return
 OTH = Other (specify)

⁴ Enter one of the following choices:
 DW Flex = Double-walled Flex Piping (e.g., APT XP, APT UPP, OPW FlexWorks)
 DW FRP = Double-walled Fiberglass Reinforced Plastic (e.g., NOV Fiberglass Dualoy 3000/L (3" over 2"), Dualoy 3000/LCX, Red Thread IIA)
 DW Metal/Plastic = Double-walled Plastic secondary and metal primary (e.g., OmegaFlex DoubleTrac)
 None
 OTH = Other (specify)
⁵ All piping installed on or after November 1, 2007 must be of double-walled construction with continuous interstitial monitoring
⁶ Enter one of the following choices:
 LDS = Liquid Detecting Sensor (e.g., sump sensor)
 VM = Vacuum Sensor
 PR = Pressure Sensor
 HYDRO = Hydrostatic Float
 OTH = Other (specify)
 Note that discriminating sensors must be set up to detect and alarm with all liquids



12. Description of All Piping Systems at this Facility (cont)

Instructions: Please complete Part 1 of this Section when submitting a UST-6A (proposed installation). Upon completion of installation, verify the information in Part 1 and revise as necessary, making sure to indicate those changes, and then complete Part 2. If there will be piping associated with more than four USTs, more than four different types of piping installed, etc., please attach additional copies of this page.

PART 1 – PRE-INSTALLATION (cont)

12.5 Piping System Information – Associated Piping Components

12.5.1	Tank # (associated with piping)	1 NEW	1 EXISTING		
12.5.2	Method that will be used to allow piping to be located once it is backfilled? ¹	Detectable Tape			
12.5.3	If Other (specify)				

PART 2 – POST INSTALLATION

12.6 Piping System – Post Installation Certification (To Be Filled Out After Installation is Complete)

12.6.1	Date of piping installation ²	09/09/2022			
--------	--	------------	--	--	--

¹ If detectable tape/wire is proposed, also list manufacturer/model number on UST-6C; tape/wire width (gauge) & installation depth on UST-6C or plans. Note that NC DEQ may require documentation that the pipe can be located after installation for compliance with 15A NCAC 02N.0904(d).

² For consistency, please use the same installation date as recorded on the piping manufacturer's installation checklists.

13. Description of Spill Prevention Equipment at this Facility

Please complete Part 1 of this Section when submitting a UST-6A (proposed installation). Upon completion of installation, verify the information in Part 1, revise as necessary.

PART 1 – PRE-INSTALLATION

13.1 Spill Prevention Equipment - General

13.1.1	Tank # (associated with)	1			
13.1.2	Indicate if spill prevention equipment is N=new or E=existing ¹	Existing			

13.2 Spill Prevention Equipment - Construction

13.2.1	Spill prevention equipment type ²				
13.2.2	Spill prevention equipment manufacturer				
13.2.3	Spill prevention equipment model				

13.3 Spill Prevention Equipment - Interstitial Monitoring Information³

13.3.1	Method of monitoring interstice ⁴				
13.3.2	Does spill prevention equipment have built-in sensor (Yes/No)?				
13.3.3	Interstitial sensor manufacturer (if not built-in)				
13.3.4	Interstitial sensor model (if not built-in)				

¹ If "existing", fill out Section 13.1 at a minimum

² Enter one of the following choices:
 DW = Double-walled spill bucket
 SW+MCS = Single-walled spill bucket within a monitored containment sump
 SW = Single-walled spill bucket (only valid if installed prior to November 1, 2007)
 NR = Not Required (only valid for USTs that are always filled by transfers that are 25 gallons or less)

³ All spill prevention equipment installed on or after November 1, 2007 must be of double-walled construction with continuous interstitial monitoring (if tank installed on or after 11/1/2007) or mechanical float gauge (if tank installed prior to 11/1/2007).

⁴ Enter one of the following choices:
 LDS = Liquid Detecting Sensor (e.g., sump sensor, float switch, etc.)
 VM = Vacuum Sensor
 PR = Pressure Sensor
 HYDRO = Hydrostatic Float
 MECH = Mechanical Float (only valid for tanks installed prior to 11/1/2007)
 OTH = Other (specify type)
 Note: Discriminating sensors must be set up to detect and alarm with all liquids



14. Description of All Containment Sumps at this Facility

Please complete Part 1 of this Section when submitting a UST-6A (proposed installation). Upon completion of installation, verify the information in Part 1, revise as necessary.

PART 1 – PRE-INSTALLATION

Enter the type and number(s) in each column that will have the same make/model of containment sumps. If all containment sumps will be the same, then list the range of sump numbers in one column. Containment sumps with the same make/model only have to be entered in one of the columns with a list of the sumps that have that make/model. For example, a gas station with three tank top containment sumps of the same make and model and four under dispenser containment (UDC) sumps of the same make and model could be grouped as Tank 1-3 and Disp. 1/2 – 7/8, respectively.

14.1 Containment Sumps - General					
14.1.1	Containment sump identifier / name (e.g., Disp. 1/2 - 7/8, Tank 1-3, etc.)	TANK 1	DIESEL-DISPENSERS		
14.1.2	Quantity of containment sumps of this type	1	2		
14.1.3	Containment sump type ¹	Tank Top Sump	UDC Sump		
14.1.4	If Other (specify)				
14.1.5	Indicate if containment sump is N=new or E=existing ²	Existing	New		
14.2 Containment Sumps - Construction					
14.2.1	Containment sump manufacturer	ENVIRON	OPW		
14.2.2	Containment sump model		DSE-1543		
14.2.3	Material of construction ³	Plastic	FRP		
14.2.4	If Other (specify)				
14.3 Containment Sumps – Leak Detection ⁴					
14.3.1	Method of monitoring containment sump ⁵	Liquid Detecting Sensor	Liquid Detecting Sensor		
14.3.2	Interstitial sensor manufacturer	VEEDER ROOT	VEEDER ROOT		
14.3.3	Interstitial sensor model	#794380-208	#794380-208		
14.3.4	Indicate if interstitial sensor is N=new or E=existing	New	New		

¹ Enter one of the following choices:
 TTS = Tank Top Sump (e.g., STP sump)
 UDC = Under Dispenser Containment Sump
 TS = Transition Sump
 OTH = Other (specify)

² Note that existing containment sumps, when connected to replacement piping, will require continuous monitoring and must be tested for integrity

³ Enter one of the following choices:
 PLS = Plastic
 FRP = Fiberglass Reinforced Plastic
 OTH = Other (specify)

⁴ All single-walled or metal UST system components (e.g., flex connectors, automatic line leak detectors, submersible turbine pumps, shear valves) installed on or after November 1, 2007 must be located within continuously monitored containment sumps

⁵ Enter one of the following choices:
 LDS = Liquid Detecting Sensor (e.g., sump sensor)
 VM = Vacuum Sensor
 PR = Pressure Sensor
 HYDRO = Hydrostatic Float
 OTH = Other (specify)

Note that discriminating sensors must be set up to detect and alarm with all liquids



15. Description of Overfill Prevention Equipment at this Facility

Please complete Part 1 of this Section when submitting a UST-6A (proposed installation). Upon completion of installation, verify the information in Part 1, revise as necessary.

PART 1 – PRE-INSTALLATION

15.1 Overfill Prevention Equipment - General

15.1.1	Tank # (associated with)	1			
15.1.2	Overfill prevention equipment type ¹	Automatic Shutoff			
15.1.3	Indicate if overfill prevention equipment is N=new or E=existing ²	Existing			

15.2 Overfill Prevention Equipment - Construction

15.2.1	Overfill prevention equipment manufacturer				
15.2.2	Overfill prevention equipment model				

16. Description of Leak Detection Monitoring Equipment at this Facility

Please complete Part 1 of this Section when submitting a UST-6A (proposed installation) application. Upon completion of installation, verify the information in Part 1, revise as necessary.

PART 1 – PRE-INSTALLATION

Please list the manufacturer and model of each leak detection monitoring console that is being used at the UST facility. If more than one monitoring console is being used, list each monitoring console and specify which tanks, piping, containment sumps, etc. are being monitored by each.

16.1 Leak Detection Monitoring Equipment - General

		Monitoring Console #1	Monitoring Console #2	Monitoring Console #3	Monitoring Console #4
16.1.1	Monitoring console manufacturer	VEEDER ROOT			
16.1.2	Monitoring console model	TLS-450 PLUS			
16.1.3	Indicate if N=new or E=existing Equipment	Existing			

17. Description of Stage I Vapor Recovery Equipment at this Facility

Note: the following gasoline USTs are not required to have Stage I vapor recovery equipment: a) new USTs that are 500 gallons or less in capacity, and b) facilities that have a combined throughput of less than 50,000 gallons per year. If vapor recovery is not required for a UST at this facility, then the last box in this section should be marked. If you have any questions about Stage I vapor recovery, please call the Air Quality Section at (919) 707-8400.

17.1.1	Tank # (associated with)	1			
17.1.2	Indicate if N=new or E=existing Equipment				
17.1.3	Type of Stage I vapor recovery	<input type="checkbox"/> Coaxial system <input type="checkbox"/> Dual-point system <input checked="" type="checkbox"/> Stage I vapor recovery is not required for this UST	<input type="checkbox"/> Coaxial system <input type="checkbox"/> Dual-point system <input type="checkbox"/> Stage I vapor recovery is not required for this UST	<input type="checkbox"/> Coaxial system <input type="checkbox"/> Dual-point system <input type="checkbox"/> Stage I vapor recovery is not required for this UST	<input type="checkbox"/> Coaxial system <input type="checkbox"/> Dual-point system <input type="checkbox"/> Stage I vapor recovery is not required for this UST

Enter one of the following choices:

AS = Automatic shutoff device (e.g., flapper valve)

BF = Ball float vent valve (e.g., vent restriction device) [Note: Ball Floats cannot be used with coaxial vapor recovery or suction piping systems. Also, new ball floats cannot be installed after June 1, 2017]

OA = Overfill alarm [Note: Alarm must be located where fuel delivery takes place.]

NR = Not required [Note: Not Required is only valid for USTs that are always filled by transfers that are 25 gallons or less.]

[Note: If installing an automatic shut off device (e.g., flapper valve) and a ball float vent valve on the same tank, the ball float must be set to activate at a level higher in the tank than the automatic shut-off device. Only show the primary overfill prevention device in this section.]

² If "existing", provide (minimally) the type of equipment and as much other information as available.



Please complete this page when submitting a UST-6B (post-installation).

18. Certification of Installation (Must be completed by UST system installer)

Were there any modifications to the approved UST-6A application? Yes No If "Yes" then briefly describe below or attach separate description of the modifications (Note: Professional Engineer must approve and seal any changes to the UST-6C and original design plans):

Multiple horizontal lines for describing modifications.

OATH: I certify, under penalty of law, that the information provided in this application is accurate and true to the best of my belief and knowledge and that the UST system equipment was installed in accordance with the UST system design plans, the manufacturer's guidelines and the applicable national codes of practice and industry standards listed in 15A NCAC 02N .0900.

Installer: BOBBY CREECH Print Name PRESIDENT Job Title
Signature: Bobby Creech Date: 10/24/2021

Penalties: Pursuant to N.C.G.S.143-215.94W any person who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed \$10,000 per day, per violation.

19. Facility Owner Certification and Acknowledgement (Read and Sign After Completing Sections 1 to 7 and 12 to 21)

I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this and all attached documents; and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete. In addition, I certify that all applicable State and Federal UST requirements have been complied with.

Owner: Jill Smith Print Name of UST Facility Owner or Authorized Representative Safety Director Print Title of Owner or Authorized Representative
Signature: Jill Smith Date: 10-26-2022

Penalties: Pursuant to N.C.G.S.143-215.94W any UST system owner or operator who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed \$10,000 per day, per violation.



Please complete this page when submitting a UST-6B (post-installation).

20. UST-6B Attachments (Post-Installation)

Please attach the following items to this submittal (i.e., Pages 1, 8 and 9).

20.1	Sections 11 through 17 (pages 3-7) of the UST-6 form detailing the completed installation, indicating any changes that were made to the originally approved plans	<input checked="" type="checkbox"/> Yes	
20.2	Proof of Financial Responsibility along with the Certification of Financial Responsibility form ¹	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> Previously submitted
20.3	Manufacturers tank installation checklist and warranty registrations.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A, for piping only
20.4	Manufacturers piping installation checklist and warranty registrations.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A, for tanks only
20.5	Copies of manufacturer's installer certifications for each employee who installed equipment at this facility.	<input checked="" type="checkbox"/> Yes	
20.6	One copy of 11" x 17" as-built plans signed/sealed by a NC PE documenting and detailing the completed installation, indicating any changes that were made to the originally approved design plans. [Note: If no changes were made, no as-builts need to be submitted.]	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A. The originally approved engineered design plans can be used as as-builts, as there were no changes.
20.7	UST-6C, "Application to Install or Replace Underground Storage Tank Systems (Schedule of Materials)" attached. [Note: If no changes were made, no UST-6C needs to be submitted.]	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A. The originally approved UST-6C can be used, as there were no changes.
20.8	UST-6D/23A "Application to Install or Replace Underground Storage Tank Systems (Spill Bucket Installation Testing)" containing post-installation test results ¹ .	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
20.9	UST-6E/23D "Application to Install or Replace Underground Storage Tank Systems (Tank Installation Testing)" containing pre-installation and post-installation test results ¹ .	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A, for piping only
20.10	UST-6F/23B "Application to Install or Replace Underground Storage Tank Systems (UDC/Containment Sump Installation Testing)" containing post-installation test results ¹ .	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
20.11	UST-6H/23C "Application to Install or Replace Underground Storage Tank Systems (Piping Post-Installation Testing)" containing post-installation test results ¹	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
20.12	Line Tightness Test (LTT) results and data sheets ¹ .	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
20.13	Automatic Line Leak Detector (ALLD) test results and data sheets ¹ .	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A, non-pressurized piping only
20.14	UST-22A, "Overfill Prevention Equipment Operability Check" ¹ .	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
20.15	UST-22B, "Annual Leak Detection Equipment Operability Check" ¹ .	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
20.16	UST-22C, "Annual Sump Visual Inspections" ¹ .	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
20.17	Leak detection console printout documenting the setup of each interstitial sensor (e.g., vacuum, pressure, hydrostatic, liquid-detecting sensor). Please submit results copied onto 8.5 X 11 paper.	<input checked="" type="checkbox"/> Yes	
20.18	Leak detection console printout documenting the functionality of each interstitial sensor (e.g., vacuum, pressure, hydrostatic, liquid-detecting sensor). The sensor functionality tests, conducted in accordance with manufacturer's written guidelines, should consist of printouts documenting the status of each sensor: <ul style="list-style-type: none"> • Normal / OK Status (Prior to Test) • Alarm (During Test) • Normal / OK Status (At the Conclusion of the Test) Note: Additional printouts may be required to document sensors with multiple alarm states (e.g., discriminating sensors, position-sensitive sensors, dual-float hydrostatic sensors). Please submit results copied onto 8.5 X 11 paper ¹ .	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A

¹ At a minimum, items that need to be completed for a Temporary Operating Permit (TOP) to be issued. TOP will be valid for a period of approximately 60 days to allow interim operations while the other application items are completed.

UST-6C

Application to Install or Replace Underground Storage Tank Systems (SCHEDULE OF MATERIALS)



Facility ID No. 00-0-00036014	Facility Name MINUTEMAN FOOD MART #25	Attachment to (check one): UST-6A <input checked="" type="checkbox"/> UST-6B <input type="checkbox"/>
UST System components installed (Check one): <input type="checkbox"/> Tanks and Piping <input type="checkbox"/> Tanks Only <input checked="" type="checkbox"/> Piping Only		If attached to UST-6B, have any modifications been made to approved design plan? YES <input type="checkbox"/> NO <input type="checkbox"/>

INSTRUCTIONS: List the manufacturer, model or part number and quantity for the following equipment installed at the facility: tanks; piping including flexible connectors; leak detection equipment including the monitoring console, interstitial monitoring sensors and automatic line leak detectors; spill and overflow prevention equipment; vapor recovery equipment; containment sumps and method of locating the piping once it is buried. Group like categories of equipment together in the list. The item number provided below must correspond to the location(s) of the equipment shown on the scale drawing. Attach additional pages as necessary.

ITEM NO.	ITEM/PART DESCRIPTION	MANUFACTURER	MODEL/PART NO.	QTY
1	NEW DOUBLE WALL PIPING	OPW	C15A	AS REQUIRED
2	UNDERGROUND WARNING/DETECTABLE TRACER TAPE	PRESCO PRODUCTS	D6105Y5-457 MAX DEPTH 22" TO 30"	AS REQUIRED
3	EXISTING VENTS	EXISTING	EXISTING	AS SHOWN
4	EXISTING ATG MONITOR SYSTEM	VEEDER ROOT	TLS-450 PLUS	1
5	NEW LEAK DETECTION SENSORS	VEEDER ROOT	#794380-208	3
6	NEW DIESEL PIPING LEAK DETECTION-ALLD	RED JACKET	FX1DV	1
7	NEW DIESEL UDCS	OPW	DSE-1543	2
8	EXISTING DIESEL TANK SUMP	ENVIRON	PLASTIC	1
9	EXISTING KEROSENE TANK #2-2K GALS.	EXISTING	SW CP STEEL	1
10	EXISTING DIESEL TANK #1-6K GALS.	EXISTING	SW CP STEEL	1
11	EXISTING GASOLINE TANKs #3, #4 & #5-12K GALS.	EXISTING	SW CP STEEL	3
12	NEW DIESEL FLEX CONNECTORS	OMEGA FLEX	FC15MS-HM-018	3
13	EXISTING AUTO DIESEL PIPING	DW FLEX	DW FLEX	AS SHOWN
14				
15				

<p>TIMOTHY LAUGHLIN Print Name of North Carolina Professional Engineer</p> <p>NCPCM Company Name</p> <p>3/17/2022 Date</p>	<p>Affix PE seal here</p>
--	---------------------------



NEW UST SYSTEMS
FACILITY: MINUTEMAN FOOD MART #25
 3905 MARTIN LUTHER KING DRIVE;
 Lumberton, NC 27157
 Robeson County; UST Permit #00-0-00036014

BY: TIM LAUGHLIN P.E. #022012
 NCPCM; 7300 GLENWOOD AVE.
 RALEIGH, NC 27612; NCBELS #F-1001
 Ph: 919-782-4411

CONTRACTOR: Mr. Bobby Creech, President
 Piedmont Pump & Tank, LLC
 110 N. Oscar Ln; Wendell, NC 27591
 Phone: (919) 697-9652

DATE: March 17, 2022
 APPROX. SCALE: 1 inch = 36.78ft.
 REVISION #1: CHANGED UST PERMIT NUMBER
 PER NCDEQ'S EMAIL OF 12/13/22
 PRINT #1/2

Tanks and all related petroleum systems shall be installed in accordance with all requirements of North Carolina State Building/Electrical/Fire Code (Latest Editions), specifically Chapter 23 "MOTOR FUEL-DISPENSING FACILITIES AND REPAIR GARAGES"; Chapter 57 "Flammable and Combustible Liquids" & Chapter 59 "Hazardous Materials-General Provisions". As a reference under the NC Fire Code, the National Fire Protection Association (NFPA) Pamphlet 30-A "Code for Motor Fuel Dispensing Facilities and Repair Garages", & Pamphlet 30 "Code for Flammable and Combustible Liquids", (Latest Editions), may also be used. Other industry standards adopted by NC include the Petroleum Equipment Institute (PEI) and the American Petroleum Institute (API) UST Standards. Specifically, the Petroleum Equipment Institute (PEI) RP100: "INSTALLATION OF UNDERGROUND LIQUID STORAGE SYSTEMS" & API RP 1615, "INSTALLATION OF UNDERGROUND PETROLEUM STORAGE SYSTEMS" (Latest Editions). All petroleum equip. must be installed in accordance with manufactures requirements. All Environmental Regulations in Accordance with m NCDEQ DWM UST Title 15A Subchapter 2N Sections .0100 thru .0900 Criteria and Standards Applicable to Underground Storage Tanks (RE US EPA 40 CFR Parts 280 & 281). MUST COMPLY WITH ALL STATE & LOCAL OSHA & AIR QUALITY REGULATIONS. EXISTING UNDERGROUND/ABOVEGROUND SYSTEM/EQUIP. TO BE REMOVED IN ACCORDANCE WITH ALL REGULATIONS. LOCATIONS HAVE NOT BEEN VERIFIED BY THIS ENGINEER. THIS ENGINEER ASSUMES NO LIABILITY FOR LOCATION OF UNDERGROUND STRUCTURES OR SYSTEMS. THIS ENGINEER ASSUMES NO LIABILITY FOR JOB SITE SAFETY. Engineering certification for NCDEQ DWM UST FORMS 6A & 6C Permits only. DISCLAIMER: THE INFORMATION ON THIS PAGE IS NOT TO BE CONSTRUED OR USED AS A SURVEY. ONLY A LICENSED LAND SURVEYOR (RLS) CAN LEGALLY DETERMINE PRECISE LOCATIONS, ELEVATIONS, LENGTH & DIRECTION OF A LINE & AREAS.

Professional Engineer Seal
 NORTH CAROLINA
 PROFESSIONAL ENGINEER
 SEAL
 L-022012
 TIMOTHY L. LAUGHLIN
 12/13/22

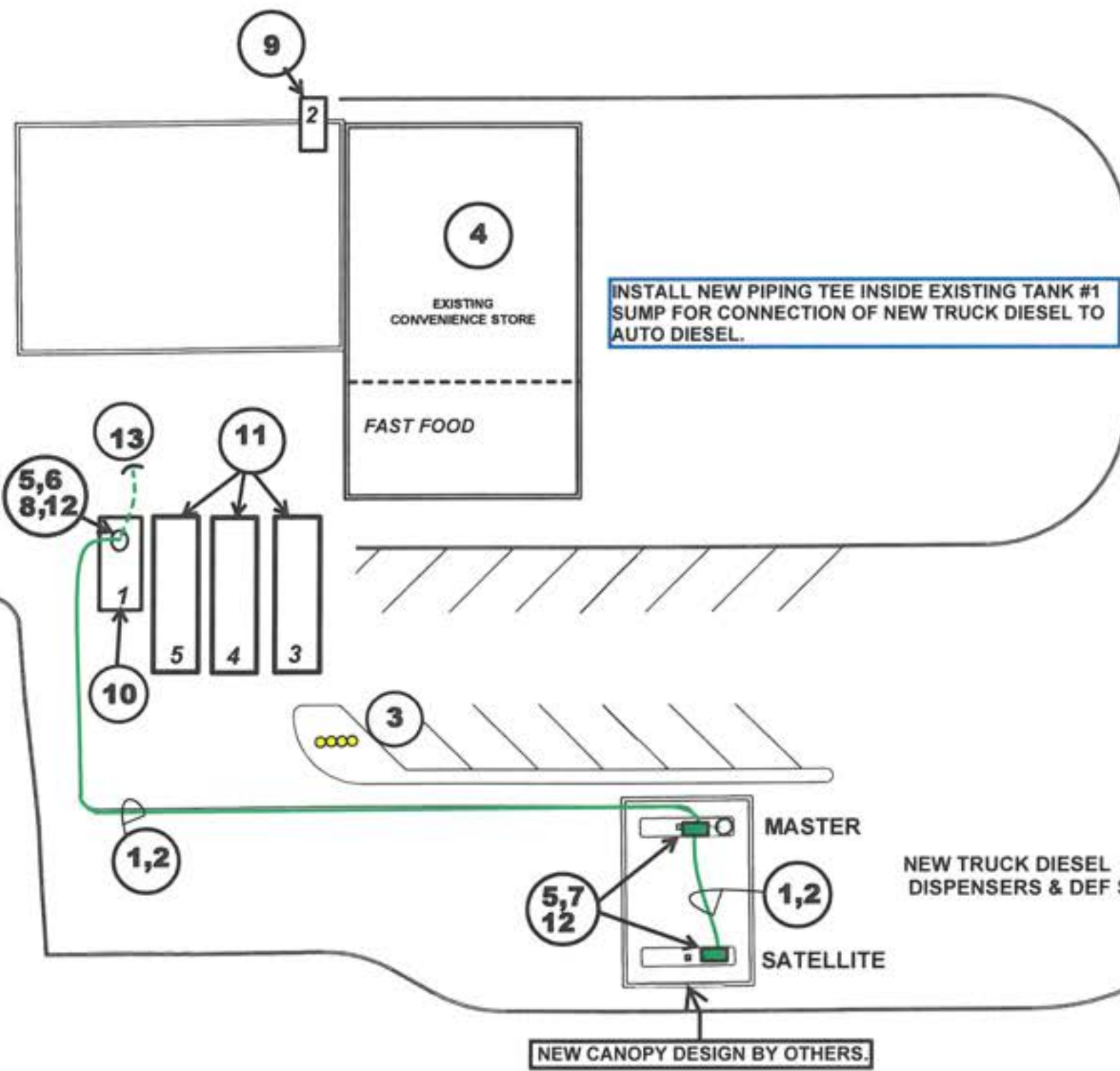


MARTIN LUTHER KING DR.--NC HWY 41

NO MONITORING WELLS REPORTED. NO WATER SUPPLY WELLS USED FOR HUMAN CONSUMPTION REPORTED WITHIN 500 FEET OF PROPOSED LOCATION OF NEW UST COMPONENTS.

TANKS	TANK TYPE	TANK SIZE	PRODUCT STORED
1	SW CP STEEL	6,000 gals.	DIESEL
2	SW CP STEEL	2,000 gals.	KEROSENE
3	SW CP STEEL	12,000 gals.	GASOLINE
4	SW CP STEEL	12,000 gals.	GASOLINE
5	SW CP STEEL	12,000 gals.	GASOLINE

Existing piping and UST systems not related to the proposed installation are not required to be shown. See Print #1 for site layout. DEF AST & dispenser nozzle will be installed. Non-regulated DEF systems not shown.



NEW UST SYSTEMS
 FACILITY: MINUTEMAN FOOD MART #25
 3905 MARTIN LUTHER KING DRIVE;
 Lumberton, NC 27157
 Robeson County; UST Permit #00-0-00036014

BY: TIM LAUGHLIN P.E. #022012
 NCPDM; 7300 GLENWOOD AVE.
 RALEIGH, NC 27612; NCBELS #F-1001
 Ph: 919-782-4411

CONTRACTOR: Mr. Bobby Creech, President
 Piedmont Pump & Tank, LLC
 110 N. Oscar Ln; Wendell, NC 27591
 Phone: (919) 697-9652

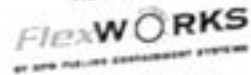
DATE: March 17, 2022
 SCALE: 1 inch = 30.0ft.
 REVISION #1: CHANGED UST PERMIT NUMBER
 PER NCDEQ'S EMAIL OF 12/13/22
 PRINT #2/2

ORIGINAL PRINT BY:
 SOURCE FUELING EQUIPMENT
 SOLUTIONS/DESIGN GROUP
 510 S. Westgate; Addison, IL 60101
 PHONE: 847-364-1744
 PROPOSED LAYOUT PLAN
 DATED 10/29/2021





Warranty Registration



TO BE COMPLETED BY CONTRACTOR / INSTALLER

Contractor

Name: PIEDMONT PUMP AND TANK, LLC
 Address: 110 N. OSCAR LN.
WENDELL, NC 27591
 Email: bobby@piedmontpumpandtank.com
 Fax: _____
 Phone: (919) 697-9652
 Training Certification Expiration Date: 04/27/2024

Installation Site

Name: MINUTEMAN #25
 Address: 3905 MARTIN LUTHER KING DR.
LUMBERTON, NC
 Installation Date: 09/09/2022
 Distributor: SOURCE NA

IMPORTANT - The Product Warranty only becomes effective upon completion and return of this form to the Marketing Department of OPW-FCS. (See reverse side for mailing). Registration Form must be either mailed to OPW-FCS, faxed to 919-573-9497 or emailed to loving@opwfcs.com within 14 days of site installation completion.

TANK SUMPS, TRANSITION SUMPS & MANHOLE COVERS

	Yes	No		Yes	No
1. Were all sumps inspected for damage prior to installation?	<input type="checkbox"/>	<input type="checkbox"/>	5. If the riser was cut down, was it measured and cut 1/4" below the inside valley of the corrugate at sump riser?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Is the site known to have a high water table?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6. Was the cover installed onto the sump riser during backfilling?	<input type="checkbox"/>	<input type="checkbox"/>
3. How many Tank Fitting Adaptors (TFA-4090 or SMF-4E) were used? _____(1)_____(2)			7. Were the instructions in the product manual followed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Were all compression rings installed on two piece sumps? (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>	8. Was a hydrostatic test performed on each sump?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			9. Was the sump cleaned of all debris?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

DISPENSER SUMPS

	Yes	No		Yes	No
1. Were all sumps inspected for damage prior to installation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. Was a hydrostatic test performed on each sump?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Were all of the stabilizer bars secure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5. Were the instructions in the product manual followed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Were all the provided anchor bolts installed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6. Was the sump cleaned of all debris?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

PIPE & CONDUIT ENTRY SEALS

	Yes	No		Yes	No
1. Was the correct size hole saw used on each size entry boot?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Were all entry boot nuts secure & tightened to 60 in. lbs.?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Were all band clamps secure & tightened, not to exceed 30 in. lbs.?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. Are all pipe & conduit entries less than 15" off center-line?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

FLEXIBLE PIPING

1. What size Piping was installed? <input type="checkbox"/> 3/4" <input type="checkbox"/> 1" <input checked="" type="checkbox"/> 1-1/2" <input type="checkbox"/> 2" <input type="checkbox"/> 3" <input type="checkbox"/> 4" Pipe date code <u>220607129</u>					
2. What type of flexible piping was installed? <input type="checkbox"/> UL Approved FlexWorks Single Wall <input checked="" type="checkbox"/> UL Approved FlexWorks Double Wall <input type="checkbox"/> Access Pipe (AXP) <input type="checkbox"/> BlueLine Single Wall <input type="checkbox"/> BlueLine Double Wall <input type="checkbox"/> KWA Single Wall <input type="checkbox"/> KWA Double Wall					
3. What type of fittings were installed? <input type="checkbox"/> Coaxial <input type="checkbox"/> Swivel <input type="checkbox"/> Swivel Bolt-On (SBC) <input checked="" type="checkbox"/> Double Wall Swivel (DPC) <input type="checkbox"/> Barbed <input type="checkbox"/> Stainless Steel					
4. What type of fuel is to be stored? <input type="checkbox"/> Gasoline <input type="checkbox"/> Gasohol <input type="checkbox"/> Methanol <input type="checkbox"/> Ethanol <input checked="" type="checkbox"/> Diesel <input type="checkbox"/> Kerosene <input type="checkbox"/> Fuel Oil <input type="checkbox"/> Other _____					
5. Was the site contaminated prior to install? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
6. Was all piping inspected for damage prior to & after installation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	12. Were all piping connections tightened to the required specification?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Were all couplings inspected for damage prior to & after installation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	13. Was the primary piping air tested?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Were all fittings inspected for damage prior to & after installation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Was the interstitial space of the Double Wall piping air tested?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Were only approved backfill materials used around the piping?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	15. Was Access Pipe (AXP) used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Were the instructions in the product manual followed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	16. Was the secondary left open to atmosphere after testing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Were crossover supports used at all direct bury piping crossovers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	17. Were all connections/pipe entries/sumps straight & aligned properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

CONTRACTOR

I hereby certify that the above information is correct, and that I have read the OPW Fueling Containment Systems Warranty enclosed. I have reviewed the respective OPW-FCS Product Manuals and have received training by an OPW-FCS representative on the proper installation procedures for components of the FlexWorks Piping System. Copy protocol (1) Contractor (1) End User

Contractor's Signature: _____

Date: _____

Bobby Pump 10/10/2022



acknowledges

Bobby Creech of Piedmont Pump & Tank, LLC

has attended installation training
for the FlexWorks System by OPW Retail Fueling

08/03/2021

Training Date

08/03/2023

Expiration Date

Please cut along dotted line.

Carry your card with you as verification of training.



acknowledges

Derek Turner of Piedmont Pump & Tank, LLC

has attended installation training
for the FlexWorks System by OPW Retail Fueling

04/27/2022

Training Date

04/27/2024

Expiration Date

UST-6F/23B Triennial UST Containment Sump / UDC Integrity Testing

(Full height hydrostatic or vacuum test)



- If any periodic test fails, a suspected release report must be submitted on a UST-17A form, *UST Suspected Release 24 Hour Notice*. The suspected release must be investigated, in accordance with 15A NCAC 2N .0603, and defective equipment repaired or replaced in accordance with 15A NCAC 2N .0404/.0900. Results of the investigation must be submitted on a UST-17B form, *UST Suspected Release 7 Day Notice*.
- Containment sumps installed on or after 11/1/2007 that are not monitored continuously for releases using vacuum, pressure, or hydrostatic interstitial monitoring methods and all other containment sumps installed prior to 11/1/2007 that are used for interstitial monitoring shall be tightness tested at installation and every three (3) years thereafter in accordance with the manufacturer's written guidelines, PEI/RP100 "Recommended Practices for Installation of Underground Liquid Storage Systems" and/or PEI/RP1200 "Recommended Practices for the Testing and Verification of Spill, Overfill, Leak Detection and Secondary Containment Equipment at UST Facilities."
- If a UDC / containment sump fails a periodic tightness test, the sump must be replaced or repaired by the manufacturer, or the manufacturer's authorized representative in accordance with the manufacturer's specifications, or in accordance with a code of practice developed by a nationally recognized association.

UST FACILITY

Owner / Operator Name CAMPBELL OIL COMPANY	Facility Name MINUTEMAN FOOD MART #25	Facility ID#: 00-0-0000036014
Facility Street Address 3905 MARTIN LUTHER KING DR.	Facility City LUMBERTON	County ROBESON

TESTING CONTRACTOR INFORMATION

Company Name PIEDMONT PUMP AND TANK, LLC	Phone 919-697-9652	E-mail Address bobby@pedmontpumpandtank.com
---	-----------------------	--

I certify, under penalty of law, that the testing data provided on this form documents the UST system equipment was tested in accordance with the manufacturer's guidelines and the applicable national industry standards listed in 15A NCAC 2N .0406 and/or 15A NCAC 2N .0900.

<u>DEREK TURNER</u> Print Name of person conducting test	<u><i>Derek Turner</i></u> Signature of person conducting test	<u>09/09/2022</u> Test Date
---	---	--------------------------------

Identify UDC/sump (By Dispenser No. or Tank Number, Tank Size, Stored Product; e.g. #1 10k Regular STP, Disp 1/2, etc.)	<input type="checkbox"/> Dispenser <input checked="" type="checkbox"/> Tank #: 1 DSL STP	<input checked="" type="checkbox"/> Dispenser <input type="checkbox"/> Tank #: 10/11 M	<input checked="" type="checkbox"/> Dispenser <input type="checkbox"/> Tank #: 11 S	<input type="checkbox"/> Dispenser <input type="checkbox"/> Tank #:	<input type="checkbox"/> Dispenser <input type="checkbox"/> Tank #:	<input type="checkbox"/> Dispenser <input type="checkbox"/> Tank #:
---	--	--	---	---	---	---

Transition sumps should be listed above as "TS-XX" (with XX= sump ID#)

Sump Material	<input type="checkbox"/> FRP <input checked="" type="checkbox"/> Plastic	<input checked="" type="checkbox"/> FRP <input type="checkbox"/> Plastic	<input checked="" type="checkbox"/> FRP <input type="checkbox"/> Plastic	<input type="checkbox"/> FRP <input type="checkbox"/> Plastic	<input type="checkbox"/> FRP <input type="checkbox"/> Plastic	<input type="checkbox"/> FRP <input type="checkbox"/> Plastic
Test Type	<input checked="" type="checkbox"/> Hydrostatic <input type="checkbox"/> Vacuum	<input checked="" type="checkbox"/> Hydrostatic <input type="checkbox"/> Vacuum	<input checked="" type="checkbox"/> Hydrostatic <input type="checkbox"/> Vacuum	<input type="checkbox"/> Hydrostatic <input type="checkbox"/> Vacuum	<input type="checkbox"/> Hydrostatic <input type="checkbox"/> Vacuum	<input type="checkbox"/> Hydrostatic <input type="checkbox"/> Vacuum

Indicate units for all measurements

Liquid and debris removed from sump?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Visual inspection (No cracks, loose parts or separation of the containment sump)	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Sump Depth in inches	34"	31"	31"			
Height from sump bottom to top of highest penetration or sump sidewall seam in inches	10"	9"	9"			
Wait time between applying vacuum/water and start of test	15 MIN	15 MIN	15 MIN			
Begin End Test Time (minimum test time: 1 hour)	12:00 13:45	12:00 13:45	12:00 13:45			
Begin End values (inches)	16.5" 16.5"	13" 13"	13" 13"			

Pass/Fail criteria: Must pass visual inspection. Hydrostatic: Water level drop of 1/8 inch or more fails the test, Water level **must be 4 or more inches** above highest penetration or side wall seam or test is invalid; Vacuum: No change in vacuum

Test Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
-------------	--	--	--	---	---	---

Comments — (include information on repairs made prior to testing, and recommended follow-up for failed tests)

Date next Containment Sump/UDC integrity test due (required every 3 years)	09/09/2025
--	-------------------

UST-6F/23B Triennial UST Containment Sump / UDC Integrity Testing (Low Liquid Level Test)



- Containment sumps installed on or after 11/1/2007 that are not monitored continuously for releases using vacuum, pressure, or hydrostatic interstitial monitoring methods and all other containment sumps installed prior to 11/1/2007 that are used for interstitial monitoring can be tightness tested every three (3) years in accordance with the NCDEQ Low Level Hydrostatic Integrity Test Procedures which can be found on the UST section website at <https://deq.nc.gov/about/divisions/waste-management/ust/forms>. This method cannot be used for the installation testing of containment sumps.
- If any periodic test fails, a suspected release report must be submitted on a UST-17A form, *UST Suspected Release 24 Hour Notice*. The suspected release must be investigated, in accordance with 15A NCAC 2N .0603, and defective equipment repaired or replaced in accordance with 15A NCAC 2N .0404/.0900. Results of the investigation must be submitted on a UST-17B form, *UST Suspected Release 7 Day Notice*.
- If a UDC / containment sump fails a periodic tightness test, the sump must be replaced or repaired by the manufacturer, or the manufacturer's authorized representative in accordance with the manufacturer's specifications, or in accordance with a code of practice developed by a nationally recognized association.
- Attach all setup reports (e.g. Veeder-Root: Output Relay Setup, Incon: Main console setup) for the sensor alarms positive shut-down to this form. If the dispenser has a standalone sensor to shut-down the dispenser then annotate on the test form in the comments section.

UST FACILITY

Owner / Operator Name	Facility Name	Facility ID#:
Facility Street Address	Facility City	County

TESTING CONTRACTOR INFORMATION

Company Name	Phone	E-mail Address
--------------	-------	----------------

I certify, under penalty of law, that the testing data provided on this form documents the UST system equipment was tested in accordance with the manufacturer's guidelines, the applicable national industry standards listed in 15A NCAC 2N .0406 and/or 15A NCAC 2N .0900, or another method approved by NC DEQ.

_____	_____	_____
Print Name of person conducting test	Signature of person conducting test	Test Date

Identify UDC/sump (By Dispenser No. or Tank Number, Tank Size, Stored Product; e.g. #1 10k Regular STP, Disp 1/2, etc.)	<input type="checkbox"/> Dispenser <input type="checkbox"/> Tank #:	<input type="checkbox"/> Dispenser <input type="checkbox"/> Tank #:	<input type="checkbox"/> Dispenser <input type="checkbox"/> Tank #:	<input type="checkbox"/> Dispenser <input type="checkbox"/> Tank #:	<input type="checkbox"/> Dispenser <input type="checkbox"/> Tank #:	<input type="checkbox"/> Dispenser <input type="checkbox"/> Tank #:
---	---	---	---	---	---	---

Transition sumps should be listed above as "TS-XX" (with XX= sump ID#)

Sump Material	<input type="checkbox"/> FRP <input type="checkbox"/> Plastic	<input type="checkbox"/> FRP <input type="checkbox"/> Plastic	<input type="checkbox"/> FRP <input type="checkbox"/> Plastic	<input type="checkbox"/> FRP <input type="checkbox"/> Plastic	<input type="checkbox"/> FRP <input type="checkbox"/> Plastic	<input type="checkbox"/> FRP <input type="checkbox"/> Plastic
---------------	--	--	--	--	--	--

Indicate units for all measurements

Liquid and debris removed from sump?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is sensor 2" or less from lowest portion of sump bottom?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Visual inspection (No cracks, loose parts or separation of the containment sump)	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Did sensor alarm when tested?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
If sensor alarms, did the STP and/or dispenser shut-off? Note for dispenser sensors all product types in the dispenser must be disabled.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Level above bottom of sump where sensor alarms. (inches)						
Wait time between applying water and start of test						
Begin End Test Time (minimum test time: 1 hour)						
Begin End values (inches)						

Pass/Fail criteria: Any No or Fail in the above, the sump fails the test. Hydrostatic: Water level drop of 1/8 inch or more fails the test.

Test Result	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
-------------	---	---	---	---	---	---

Comments – (include information on repairs made prior to testing, and recommended follow-up for failed tests)

Date next Containment Sump/UDC integrity test due (required every 3 years)

UST-6F/23B Triennial UST Containment Sump / UDC Integrity Testing (Dri-sump® Test)



Page 3

- Containment sumps installed on or after 11/1/2007 that are not monitored continuously for releases using vacuum, pressure, or hydrostatic interstitial monitoring methods and all other containment sumps installed prior to 11/1/2007 that are used for interstitial monitoring can be tightness tested every three (3) years in accordance with the Dri-sump® testing method.
- If any periodic test fails, a suspected release report must be submitted on a UST-17A form, *UST Suspected Release 24 Hour Notice*. The suspected release must be investigated, in accordance with 15A NCAC 2N .0603, and defective equipment repaired or replaced in accordance with 15A NCAC 2N .0404/.0900. Results of the investigation must be submitted on a UST-17B form, *UST Suspected Release 7 Day Notice*.
- If a UDC / containment sump fails a periodic tightness test, the sump must be replaced or repaired by the manufacturer, or the manufacturer's authorized representative in accordance with the manufacturer's specifications, or in accordance with a code of practice developed by a nationally recognized association.

UST FACILITY

Owner / Operator Name	Facility Name	Facility ID#:
Facility Street Address	Facility City	County

TESTING CONTRACTOR INFORMATION

Company Name	Phone	E-mail Address
--------------	-------	----------------

I certify, under penalty of law, that the testing data provided on this form documents the UST system equipment was tested in accordance with the manufacturer's guidelines, the applicable national industry standards listed in 15A NCAC 2N .0406 and/or 15A NCAC 2N .0900, or another method approved by NC DEQ.

Print Name of person conducting test	Signature of person conducting test	Test Date
Tester Certification #:	Equipment Certification #:	
Tester Certification Expiration:	Equipment Certification Expiration:	

Identify UDC/sump (By Dispenser No. Transition Sump No. or Tank No., Tank Size, Stored Product; e.g. #1 10k Regular STP, Disp 1/2, TS-1A etc.)	<input type="checkbox"/> Dispenser <input type="checkbox"/> Tank <input type="checkbox"/> Transition #:	<input type="checkbox"/> Dispenser <input type="checkbox"/> Tank <input type="checkbox"/> Transition #:	<input type="checkbox"/> Dispenser <input type="checkbox"/> Tank <input type="checkbox"/> Transition #:	<input type="checkbox"/> Dispenser <input type="checkbox"/> Tank <input type="checkbox"/> Transition #:	<input type="checkbox"/> Dispenser <input type="checkbox"/> Tank <input type="checkbox"/> Transition #:
Sump Material	<input type="checkbox"/> FRP <input type="checkbox"/> Plastic	<input type="checkbox"/> FRP <input type="checkbox"/> Plastic	<input type="checkbox"/> FRP <input type="checkbox"/> Plastic	<input type="checkbox"/> FRP <input type="checkbox"/> Plastic	<input type="checkbox"/> FRP <input type="checkbox"/> Plastic
Construction	<input type="checkbox"/> SW <input type="checkbox"/> DW	<input type="checkbox"/> SW <input type="checkbox"/> DW	<input type="checkbox"/> SW <input type="checkbox"/> DW	<input type="checkbox"/> SW <input type="checkbox"/> DW	<input type="checkbox"/> SW <input type="checkbox"/> DW
Liquid and debris removed from sump?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Visual inspection (No cracks, loose parts, open penetrations, or separation of the containment sump)	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Is groundwater above bottom of sump?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
VST Communication (Enter VST number)	VST : VST	VST : VST	VST : VST	VST : VST	VST : VST
Closed Hose (C) (in WC)					
Open Hose (O) (in WC)					
VST Connected (V) (in WC)					
VST Communication Passes when: C > O and C > V and V ≥ O					
Test length in seconds					
Laser Verification	<input type="checkbox"/> Dot (Pass) <input type="checkbox"/> Line (Fail)	<input type="checkbox"/> Dot (Pass) <input type="checkbox"/> Line (Fail)	<input type="checkbox"/> Dot (Pass) <input type="checkbox"/> Line (Fail)	<input type="checkbox"/> Dot (Pass) <input type="checkbox"/> Line (Fail)	<input type="checkbox"/> Dot (Pass) <input type="checkbox"/> Line (Fail)

Pass/Fail criteria: Must pass visual inspection. Laser result must be a laser-dot (pass). If the first test fails, then conduct a second test entering results in another column. Test is not valid if liquid or debris was not removed from sump. **VST location map must be attached to this report.**

Final Test Result	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
--------------------------	---	---	---	---	---

Comments – (include information on repairs made prior to testing, and recommended follow-up for failed tests)

Date next Containment Sump/UDC integrity test due (required every 3 years)	
---	--

UST-6F/23B Triennial UST Containment Sump / UDC Integrity Testing



Page 4

(DPlEak® Test)

- Containment sumps installed on or after 11/1/2007 that are not monitored continuously for releases using vacuum, pressure, or hydrostatic interstitial monitoring methods and all other containment sumps installed prior to 11/1/2007 that are used for interstitial monitoring can be tightness tested every three (3) years in accordance with the DPlEak® sump testing method.
- If any periodic test fails, a suspected release report must be submitted on a UST-17A form, *UST Suspected Release 24 Hour Notice*. The suspected release must be investigated, in accordance with 15A NCAC 2N .0603, and defective equipment repaired or replaced in accordance with 15A NCAC 2N .0404/.0900. Results of the investigation must be submitted on a UST-17B form, *UST Suspected Release 7 Day Notice*.
- If a UDC / containment sump fails a periodic tightness test, the sump must be replaced or repaired by the manufacturer, or the manufacturer's authorized representative in accordance with the manufacturer's specifications, or in accordance with a code of practice developed by a nationally recognized association.

UST FACILITY

Owner / Operator Name	Facility Name	Facility ID#:
Facility Street Address	Facility City	County

TESTING CONTRACTOR INFORMATION

Company Name	Phone	E-mail Address
--------------	-------	----------------

I certify, under penalty of law, that the testing data provided on this form documents the UST system equipment was tested in accordance with the manufacturer's guidelines, the applicable national industry standards listed in 15A NCAC 2N .0406 and/or 15A NCAC 2N .0900, or another method approved by NC DEQ.

Print Name of person conducting test	Signature of person conducting test	Test Date
Tester Certification #:		

Identify UDC/sump (By Dispenser No. or Tank Number, Tank Size, Stored Product; e.g. #1 10k Regular STP, Disp 1/2, etc.)	<input type="checkbox"/> Dispenser <input type="checkbox"/> Tank #:	<input type="checkbox"/> Dispenser <input type="checkbox"/> Tank #:	<input type="checkbox"/> Dispenser <input type="checkbox"/> Tank #:	<input type="checkbox"/> Dispenser <input type="checkbox"/> Tank #:	<input type="checkbox"/> Dispenser <input type="checkbox"/> Tank #:	<input type="checkbox"/> Dispenser <input type="checkbox"/> Tank #:
---	---	---	---	---	---	---

Transition sumps should be listed above as "TS-XX" (with XX= sump ID#)

Sump Material	<input type="checkbox"/> FRP <input type="checkbox"/> Plastic	<input type="checkbox"/> FRP <input type="checkbox"/> Plastic	<input type="checkbox"/> FRP <input type="checkbox"/> Plastic	<input type="checkbox"/> FRP <input type="checkbox"/> Plastic	<input type="checkbox"/> FRP <input type="checkbox"/> Plastic	<input type="checkbox"/> FRP <input type="checkbox"/> Plastic
Construction	<input type="checkbox"/> SW <input type="checkbox"/> DW	<input type="checkbox"/> SW <input type="checkbox"/> DW	<input type="checkbox"/> SW <input type="checkbox"/> DW	<input type="checkbox"/> SW <input type="checkbox"/> DW	<input type="checkbox"/> SW <input type="checkbox"/> DW	<input type="checkbox"/> SW <input type="checkbox"/> DW
Liquid and debris removed from sump?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Visual inspection (No cracks, loose parts, open penetrations or separation of the containment sump)	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
North/Rear	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A
East/Right	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A
South/Front	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A
West/Left	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A
Floor	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A
Electrical/Pen #1	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A
STP/Turbine/Pen#2	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A
Pen #3 /	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A
Pen #4 /	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A

Pass/Fail criteria: Must pass visual inspection. Test is not valid if liquid or debris was not removed from sump. No areas of sump that fail.

LDT test report with addendums attached Yes No

Final Test Result Pass Fail Pass Fail Pass Fail Pass Fail Pass Fail Pass Fail

Comments – (include information on repairs made prior to testing, and recommended follow-up for failed tests)

Date next Containment Sump/UDC integrity test due (required every 3 years)

Triennial UST Piping Integrity Testing

(for components installed on or after 11/1/2007 or when returning any UST system to service from temporary closure)



This form must be used to document pipe integrity testing (for piping not monitored continuously for releases using vacuum, pressure, or hydrostatic methods) for UST systems installed on or after November 1, 2007 (this includes existing UST systems that have installed or replaced the piping on or after November 1, 2007) or for any existing UST system conducting interstitial monitoring of the piping regardless of installation date prior to returning to service from temporary closure.

- If there are more than five (5) piping systems at this facility, make additional copies of this page.
- The primary containment and interstitial space of the piping shall be tested in accordance with the manufacturers written guidelines and PEI/RP100 "Recommended Practice for Installation of Underground Liquid Storage Systems."
- The last periodic tightness test record must be maintained by the tank owner/operators and must be readily available for inspection.
- If any periodic test fails, a suspected release report must be submitted on a UST-17A form, *UST Suspected Release 24 Hour Notice*, and investigated in accordance with 15A NCAC 2N .0603, and any defective equipment repaired in accordance with 15A NCAC 2N .0404/.0900. Results of the investigation must be submitted on a UST-17B form, *UST Suspected Release 7 Day Notice*.
- If the piping fails a tightness test, it must be replaced or repaired by the manufacturer or the manufacturer's authorized representative in accordance with the manufacturer's specifications. Following any repair, the piping must be re-tested for tightness.

UST FACILITY

Owner/Operator Name Campbell Oil Company	Facility Name Minuteman 25	Facility ID#: 00-0-0000036014
Facility Street Address 3905 Martin Luther King Dr	Facility City Lumberton	County

TESTING CONTRACTOR INFORMATION

Company Name Precision Tank Service	Phone 704-619-1243	E-mail Address	
Mailing Address 737 Zimmer Road	City Fort Mill	State SC	Zip 29707

I certify, under penalty of law, that the testing data provided on this form documents the UST system equipment was tested in accordance with the manufacturer's guidelines and the applicable national industry standards listed in 15A NCAC 2N .0900.

<u>Brandon Fipps</u> Print Name of person conducting test	 Signature of person conducting test
--	---

Identify piping system (By Tank Number, Stored Product, etc.)	Tank #	Tank #	Tank #	Tank #	Tank #
	4				
Tank Size	6K				
Product	Diesel				
Piping Type (DW FRP, DW Flex, Other)	DW Flex				
Piping Configuration	<input type="checkbox"/> Gravity <input type="checkbox"/> Manifold <input checked="" type="checkbox"/> Pressurized <input type="checkbox"/> Suction	<input type="checkbox"/> Gravity <input type="checkbox"/> Manifold <input type="checkbox"/> Pressurized <input type="checkbox"/> Suction	<input type="checkbox"/> Gravity <input type="checkbox"/> Manifold <input type="checkbox"/> Pressurized <input type="checkbox"/> Suction	<input type="checkbox"/> Gravity <input type="checkbox"/> Manifold <input type="checkbox"/> Pressurized <input type="checkbox"/> Suction	<input type="checkbox"/> Gravity <input type="checkbox"/> Manifold <input type="checkbox"/> Pressurized <input type="checkbox"/> Suction
Piping Manufacturer	OPW				
Pipe Model (Part No.)	Flex Works				

Indicate Test Phase: Triennial Testing Post-Installation Return to Service from Temporary Closure

Test Date **10/12/2022**

A. Primary Pipe Test (Note: Must be a third-party certified tightness test) (Attach test data sheets to form)

Line Tightness Test Results Attached	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
--------------------------------------	---	--	--	--	--

B. Secondary Interstice Test (Indicate units for all measurements)

Begin End test time	7:30	8:30							
Begin End pressure	6.5psi	6.5psi							
Secondary Test Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Comments and explanation of failing results and other problems noted during inspection:



Acurite Line / LD Test Data Sheet

Company:	Campbell Oil	Test Number:	221012A-79
Location:	Minuteman 25	Test Date:	10-12-2022
Address:	3095 Martin Luther King Jr Dr.		Technician:
City:	Lumberton	State:	NC
		Certification:	4758.LTN

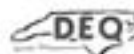
LINE TEST					
Product	Diesel				
STP Pressure	30 PSI	PSI	PSI	PSI	PSI
Isolation	BV				
Test Pressure	45 PSI	PSI	PSI	PSI	PSI
Initial Level	.0525				
Final Level	.0520				
Leak Rate	-.0005				
Start Time	10:03				
End Time	10:33				
Test Time	30 MIN	30 MIN	30 MIN	30 MIN	30 MIN
Result	PASS				
LD TEST					
LD Model	FX1DV				
Serial #	304225786				
Check Valve PSI	19 PSI	PSI	PSI	PSI	PSI
Resiliency	230ml				
Test Leak Rate	3 GPH	3 GPH	3 GPH	3 GPH	3 GPH
Opening Time	3 Sec				
Result	PASS				

Comments:

UST-22B

Page 1

**Annual Leak Detection Equipment Operability Check
(Interstitial Sensors)**



Inspect the leak detection equipment in accordance with manufacturer guidelines and PEI RP 1200, "Recommended Practices for the Testing and Verification of Spill, Overfill, Leak Detection, and Secondary Containment Equipment at UST Facilities". If the manufacturer's instructions do not require a condition to be implemented that triggers an alarm, then you must also trigger an alarm condition. Print the alarm reports triggered during the operability check and attach to this form. Results must be maintained for at least one year at the UST site or the tank owner or operator's place of business and be readily available for inspection.

UST FACILITY

Owner / Operator Name CAMPBELL OIL COMPANY	Facility Name MINUTEMAN FOOD MART #25	Facility ID# 00-0-0000036014
Facility Street Address 3905 MARTIN LUTHER KING	Facility City LUMBERTON	County ROBESON

CONTRACTOR/PERSON CONDUCTING INSPECTIONS

Company Name PIEDMONT PUMP AND TANK, LLC	Phone 919-697-9652	Email Address bobby@piedmontpumpandtank.com
---	-----------------------	--

I certify, under penalty of law, that the testing data provided on this form documents the UST system equipment was checked in accordance with the manufacturer's guidelines and the applicable national industry standards listed in 15A NCAC 2N .407/.0501 and/or 15A NCAC 2N .0900.

DAVID MEADOWS Print Name of person conducting inspection	<i>David Meadows</i> Signature of person conducting inspection	10/10/2022 Inspection Date
---	---	-------------------------------

Sensor Location:	<input type="checkbox"/> Dispenser <input type="checkbox"/> Spill Bucket <input type="checkbox"/> Tank Interstice <input checked="" type="checkbox"/> Tank Top and Other Sumps	<input checked="" type="checkbox"/> Dispenser <input type="checkbox"/> Spill Bucket <input type="checkbox"/> Tank Interstice <input type="checkbox"/> Tank Top and Other Sumps	<input checked="" type="checkbox"/> Dispenser <input type="checkbox"/> Spill Bucket <input type="checkbox"/> Tank Interstice <input type="checkbox"/> Tank Top and Other Sumps	<input type="checkbox"/> Dispenser <input type="checkbox"/> Spill Bucket <input type="checkbox"/> Tank Interstice <input type="checkbox"/> Tank Top and Other Sumps	<input type="checkbox"/> Dispenser <input type="checkbox"/> Spill Bucket <input type="checkbox"/> Tank Interstice <input type="checkbox"/> Tank Top and Other Sumps
Enter Location #/Description:	#: 1-DSL STP	#: 10/11 M	#: 11 S	#:	#:
Tank Volume (gallons):	6K				
Product:	DSL				
Sensor Manufacturer/Model:	VEEDER ROOT 794380-208	VEEDER ROOT 794380-208	VEEDER ROOT 794380-208		
Type of Sensor	<input type="checkbox"/> Discriminating <input checked="" type="checkbox"/> Non-discriminating	<input type="checkbox"/> Discriminating <input checked="" type="checkbox"/> Non-discriminating	<input type="checkbox"/> Discriminating <input checked="" type="checkbox"/> Non-discriminating	<input type="checkbox"/> Discriminating <input type="checkbox"/> Non-discriminating	<input type="checkbox"/> Discriminating <input type="checkbox"/> Non-discriminating
Is Sensor Position sensitive? (N/A if No and Pos. Sens. not required)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Test Liquid	<input checked="" type="checkbox"/> Water <input type="checkbox"/> Product	<input checked="" type="checkbox"/> Water <input type="checkbox"/> Product	<input checked="" type="checkbox"/> Water <input type="checkbox"/> Product	<input type="checkbox"/> Water <input type="checkbox"/> Product	<input type="checkbox"/> Water <input type="checkbox"/> Product
Is the ATG console clear of any active or recurring warnings or alarms regarding the leak sensor? If the sensor is in alarm and functioning, indicate why.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is the sensor alarm circuit operational?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Has sensor been inspected and in good operating condition?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
If Position Sensitive, does sensor alarm when raised off bottom?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
When placed in the test liquid, does the sensor trigger an alarm?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
When an alarm is triggered, is the sensor properly identified on the ATG console?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Sensor mounted at the lowest point of interstice (e.g. within 2 inches of containment sump bottom) (Liquid detecting float sensors only)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Alarm report attached?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

Any "No" answer indicates the sensor fails the test.

Test Results	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
---------------------	--	--	--	---	---

Comments and explanation of failing results and other problems noted during inspection:

UST FACILITY

Owner / Operator Name Campbell Oil Company	Facility Name Minuteman 25	Facility ID 00-0-0000036014
Facility Street Address 3905 Martin Luther King Dr	Facility City Lumberton	County

CONTRACTOR/PERSON CONDUCTING INSPECTIONS

Company Name Precision Tank Service	Phone 704-619-1243	Email address
---	------------------------------	---------------

I certify, under penalty of law, that the testing data provided on this form documents the UST system equipment was checked in accordance with the manufacturer's guidelines and the applicable national industry standards listed in 15A NCAC 2N .407/.0501.

Brandon Fipps Print Name of person conducting inspection	<i>Brandon Fipps</i> Signature of person conducting inspection	10-12-2022 Inspection Date
--	---	--------------------------------------

Tank #:	4				
Tank Volume:	6K				
Product:	Diesel				
Leak Detector Manufacturer:	VR				
Leak Detector Model:	FX1DV				
Type of Leak Detector:	<input checked="" type="checkbox"/> MLLD	<input type="checkbox"/> MLLD	<input type="checkbox"/> MLLD	<input type="checkbox"/> MLLD	<input type="checkbox"/> MLLD
	<input type="checkbox"/> ELLD	<input type="checkbox"/> ELLD	<input type="checkbox"/> ELLD	<input type="checkbox"/> ELLD	<input type="checkbox"/> ELLD

MLLD (ALL PRESSURE MEASUREMENT ARE MADE IN PSIG)

STP Full Operating Pressure	30				
Check Valve Holding Pressure	19				
Line Resiliency (ml) (line bleed back volume as measured from check valve holding pressure to 0 psig)	230ml				
Step Through Time in Seconds (time the MLLD hesitates at metering pressure before going to full operating pressure as measured from 0 psig with no leak induced on the line)	2 Sec				
Metering Pressure (STP pressure when simulated leak rate, 3 gph at 10 psig)	11				
Opening Time in Seconds (the time the MLLD opens to allow full pressure after simulated leak is stopped)	3 Sec				
Does the STP pressure remain at or below the metering pressure for at least 60 seconds when the simulated leak is induced?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Does the leak detector reset (trip) when the line pressure is bled off to zero psig?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Does the STP properly cycle on/off under normal fuel system operation conditions?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

A "No" answer to any of the above questions indicates the MLLD failed the test.

ELLD (ALL PRESSURE MEASUREMENTS ARE MADE IN PSIG)

STP Full Operating Pressure					
How many test cycles are observed before alarm/shutdown occurs?					
Does the simulated leak cause an alarm? (If "No" then leak detector fails) (Attach alarm report to form)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Does the simulated leak cause an STP shutdown?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Test Results	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Comments:

UST-22C

**Annual Sump Visual Inspections
(Dispenser Sumps)**



Underground Storage Tank (UST) system owners and operators are required to conduct a STP, dispenser, or other sump visual check at least annually for any UST system regardless of installation date. Results must be maintained for at least one year at the UST site or the tank owner or operator's place of business and be readily available for inspection.

- Visually inspect STP, dispenser and other sump areas (whether containment present or not) for liquids (water or regulated substances), sump damage, penetration boot damage, faulty equipment, and equipment leaks. If none of the above items are observed during the inspection, select **Pass** in the appropriate column dropdown, otherwise select **Fail**. If **Fail**, indicate what action was taken to repair the containment sump or faulty equipment in the comment portion of this form or attach documentation of any repairs. If a check is not applicable, then select **N/A** in the dropdown. If you are completing form by hand then write **P**, **F**, or **N/A** in each box.
- If the sump contains a regulated substance or there are other indications of a release of a regulated substance, it must be reported as a suspected release using the UST-17A form, *UST Suspected Release 24 Hour Notice*.

UST FACILITY

Owner / Operator Name CAMPBELL OIL COMPANY	Facility Name MINUTEMAN #25	Facility ID#: 00-0-000036014
Facility Street Address 3905 MARTIN LUTHER KING DR.	Facility City LUMBERTON	County ROBESON

CONTRACTOR/PERSON CONDUCTING INSPECTIONS

Company Name PIEDMONT PUMP AND TANK, LLC	Phone 919-697-9652	Email address bobby@piedmontpumpandtank.com
---	-----------------------	--

I certify, under penalty of law, that the testing data provided on this form documents the UST system equipment was checked in accordance with the manufacturer's guidelines and the applicable national industry standards listed in 15A NCAC 2N .0407/.0900.

<u>DEREK TURNER</u> Print Name of person conducting inspection	<u><i>Derek Turner</i></u> Signature of person conducting inspection	<u>09/09/2022</u> Inspection Date
---	---	--------------------------------------

Dispenser Sump	Disp #10/11M	Disp #11S	Disp #	Disp #	Disp #
ALL	No leaks, weeps, or drips observed	Pass	Pass		
	Piping is free of defects	Pass	Pass		
	Sump does not contain trash, debris and used filters	Pass	Pass		
	Flexible connectors not frayed, twisted, kinked or bent beyond manufacturer specifications	Pass	Pass		
	Shear valves operate freely, close completely and are anchored correctly	Pass	Pass		
WITHOUT CONTAINMENT	Flex connector(s) and other metallic product piping and piping components are not in contact with soil or water or are cathodically protected	N/A	N/A		
WITH CONTAINMENT	Sump is dry and does not contain product and/or water. (If Fail, enter liquid type in comment)	Pass	Pass		
	Sump walls/bottom are not damaged (i.e., cracks, bulges, holes, etc.) (If conducting sump/interstitial monitoring then any failing item must be repaired. Repair is optional if not conducting sump/interstitial monitoring)	Pass	Pass		
	Penetration fittings intact and in good condition (If conducting sump/interstitial monitoring then any failing item must be repaired. Repair is optional if not conducting sump/interstitial monitoring)	Pass	Pass		
	Sump Sensor is < 2" from lowest point (N/A if not conducting interstitial monitoring)	Pass	Pass		
	Piping interstitial space is open to the sump (Open DW piping systems only, N/A if closed system or not conducting interstitial monitoring)	Pass	Pass		

Comments and explanation of failing results and other problems noted during inspection:

Annual Sump Visual Inspections
(STP, Transition, Other Sump)



UST FACILITY

Owner / Operator Name CAMPBELL OIL COMPANY	Facility Name MINUTEMAN #25	Facility ID#: 00-0-0000036014
Facility Street Address 3905 MARTIN LUTHER KING DR.	Facility City LUMBERTON	County ROBESON

CONTRACTOR/PERSON CONDUCTING INSPECTIONS

Company Name PIEDMONT PUMP AND TANK, LLC	Phone 919-697-9652	Email address bobby@pedmontpumpandtank.com
---	-----------------------	---

I certify, under penalty of law, that the testing data provided on this form documents the UST system equipment was checked in accordance with the manufacturer's guidelines and the applicable national industry standards listed in 15A NCAC 2N .04077.0900.

<u>DEREK TURNER</u> Print Name of person conducting inspection	<u><i>Derek Turner</i></u> Signature of person conducting inspection	<u>09/09/2022</u> Inspection Date
---	---	--------------------------------------

STP/Transition/Other Sump	Tank Size/Location: Product:	6,000 DIESEL				
ALL	No leaks at submersible pump, ALLD, or other pipe components	Pass				
	Piping is free of defects	Pass				
	Sump does not contain trash and debris	Pass				
	Flexible connectors not frayed, twisted, kinked or bent beyond manufacturer specifications	Pass				
	Mechanical line leak detector properly vented, vent tube not kinked or twisted, vent tube fittings intact and tightened	Pass				
WITHOUT CONTAINMENT	Submersible pump head, flex connector(s) and other metallic product piping and piping components are not in contact with soil or water or are cathodically protected	N/A				
WITH CONTAINMENT	Sump is dry and does not contain product and/or water. (If Fail, enter liquid type in comment)	Pass				
	Sump walls/bottom are not damaged (i.e., cracks, bulges, holes, etc.) (If conducting sump/interstitial monitoring then any failing item must be repaired. Repair is optional if not conducting sump/interstitial monitoring)	Pass				
	Penetration fittings intact and in good condition (If conducting sump/interstitial monitoring then any failing item must be repaired. Repair is optional if not conducting sump/interstitial monitoring)	Pass				
	Sump Sensor is < 2" from lowest point (N/A if not conducting interstitial monitoring)	Pass				
	Piping interstitial space is open to the sump (Open DW piping systems only, N/A if closed system)	Pass				
	Sump lid, gasket and seals present and in good condition	Pass				

Comments and explanation of failing results and other problems noted during inspection:

0/10/22 3:30 PM

20182 Minuteman #25

Sensor Status Report -
All Sensors

#	Sensor Location	Status
1	Diesel stp sump	NORMAL
2	Dispenser 10-11M	NORMAL
3	Dispenser 11S	NORMAL

0/10/22 3:34 PM

20182 Minuteman #25

Sensor Status Report -
All Sensors

#	Sensor Location	Status
1	Diesel stp sump	FUEL ALARM
2	Dispenser 10-11M	FUEL ALARM
3	Dispenser 11S	FUEL ALARM

LIQUID MODEL

SENSOR	LABEL	MODEL
1	Diesel stp sump	Tri-State(Single Float)
2	Dispenser 10-11M	Tri-State(Single Float)
3	Dispenser 11S	Tri-State(Single Float)
4		Tri-State(Single Float)
5		Tri-State(Single Float)
6		Tri-State(Single Float)
7		Tri-State(Single Float)
8		Tri-State(Single Float)
9		Tri-State(Single Float)
10		Tri-State(Single Float)
11		Tri-State(Single Float)
12		Tri-State(Single Float)
13		Tri-State(Single Float)
14		Tri-State(Single Float)
15		Tri-State(Single Float)
16		Tri-State(Single Float)
17		Tri-State(Single Floa

10/10/22 3:39 PM

120182 Minuteman #25

Sensor Status Report -
All Sensors

#	Sensor Location	Status
L 1	Diesel stp sump	NORMAL
L 2	Dispenser 10-11M	NORMAL
L 3	Dispenser 11S	NORMAL



**North Carolina
Department of Environmental Quality
Underground Storage Tank
UST-10B**

Printed: 10/26/2022 9:21 AM

Inspection Result: Passed

Partial Inspection: No

Inspection Date: 10/19/2022

Arrive and Depart Times: 10:15 AM-10:45 AM

Facility ID:	00-0-0000036014	Inspector	Pamela Harrelson
Facility Name	MINUTEMAN 25	Insp. Type	Compliance
Facility Address	3905 MARTIN LUTHER KING DR LUMBERTON, NC 28358 Robeson County Located facility, USTs onsite	Reason(s)	Routine Compliance
		Location	34.583708, -79.045318
		Permit Exp.	12/31/2022
Facility Phone	(910) 618-0828		

CONTACTS

Contact Type	Contact Information
Owner since 6/15/1999	CAMPBELL OIL COMPANY , 1106 WEST BROAD ST/PO BOX 637 ELIZABETHTOWN, NC 28337-9482, Phone: (910) 862-4104
Regulatory Operator since 6/15/1999	CAMPBELL OIL COMPANY , 1106 WEST BROAD ST/PO BOX 637 ELIZABETHTOWN, NC 28337-9482, Phone: (910) 862-4104
Manager since 7/15/2004	D M CAMPBELL, 3905 MARTIN LUTHER KING DR LUMBERTON, NC 28358, Phone: (910) 862-8423
Primary Operator since 11/1/2011	JILL SMITH, PO BOX 637 ELIZABETHTOWN, NC 28337, Phone: (910) 862-0785, Email: jillj@campbell.net Trained: Yes, 8/31/2020, Training Type:Online Training
Auth Rep since 11/21/2011	JILL SMITH, PO BOX 637 ELIZABETHTOWN, NC 28337, Phone: (910) 862-0785, Email: jillj@campbell.net
Primary Operator since 7/24/2019	JOHN CORY RUSS, 1106 WEST BROAD STREET ELIZABETH, NC 28337, Phone: (999) 999-9999, Email: jcd.russ07@gmail.com Trained: Yes, 7/24/2019, Training Type:Online Training
Operator since 5/8/2015	THE GAS MART, INC. , PO BOX 39 ELIZABETHTOWN, NC 28337-0039, Phone: (910) 862-8423

OWNERSHIP CHANGE

New Owner	Change Date	Basis	Transfer of Ownership Form (UST-15) Submitted
No			

EMERGENCY RESPONSE

Emergency response placard with emergency response operator contact information is posted in the dispensing areas if the dispensers are left on without an attendant present?	N/A
---	-----

OTHER PARTICIPANTS

Name	Organization
JILL SMITH	CAMPBELL OIL CO
NICK COLLINS	CAMPBELL OIL CO

INSPECTOR COMMENTS

Type	Date	Comment

ADDITIONAL INSPECTOR COMMENTS

TANKS AND PIPING INFORMATION

Tanks	Tank #1(Diesel)	Tank #2(Kerosene)	Tank #3(Premium)	Tank #4(Regular 1)
Tank ID	Diesel	Kerosene	Premium	Regular 1
TIMS Tank ID	4	5	1	2
Is tank registered?	Yes	Yes	Yes	Yes
Date tank installed	6/15/1999	2/19/2001	6/15/1999	6/15/1999
Capacity of Tank in Gallons	6000	1000	12000	12000
Is tank regulated	Yes	Yes	Yes	Yes
Diameter (Inches)	96	64	96	96
Tank / Product use	Motor Fuel	Motor Fuel	Motor Fuel	Motor Fuel
Product stored in Tank	Diesel	Kerosene, Kero Mix	Gasoline, Gas Mix	Gasoline, Gas Mix
Product Detail	BLANK	BLANK	Premium	Regular
If hazardous substance, CAS# or description				
If other, description				
Tank status	Current	Current	Current	Current
Tank closure report submitted				
Date tank last operated				
Inches of product in Tank				
Compartment tank	No	No	No	No
Other compartment(s)				
Base compartment				
Manifolded tank	No	No	No	No
Manifolded with tank(s)				
Master manifold tank				
New Tank System installed in accordance with NC or MI	Yes	Yes	Yes	Yes
Tank Construction Material (DW required after 11/1/07)	Single Wall Steel	Single Wall Steel/FRP	Single Wall Steel	Single Wall Steel
If other, description				
Tank Manufacturer/Model	Unknown	Unknown	Unknown	Unknown
If other, describe				
Tank material verified by	Invoice	Invoice	Invoice	Invoice
Date Pipe Installed	9/9/2022	2/19/2001	6/15/1999	6/15/1999
Was UST Piping Installed on or after 11/1/2007?	Yes	No	No	No
Piping Construction Material (DW required after 11/1/07)	Double Wall Flex	Double Wall Flex	Double Wall Flex	Double Wall Flex
If other, description				
Pipe Manufacturer/Model	OPW: Flexworks	Unknown	Unknown	Unknown
If other, describe				
Pipe material verified by	Design Plans/UST-6B	Visual	Visual	Visual
If E-blend > 10% or Biodiesel Blend > 20%; Was UST-20 completed and approved?	N/A	N/A	N/A	N/A

Tanks	Tank #5(Regular 2)			
Tank ID	Regular 2			
TIMS Tank ID	3			

Tanks	Tank #5(Regular 2)			
Is tank registered?	Yes			
Date tank installed	6/15/1999			
Capacity of Tank in Gallons	12000			
Is tank regulated	Yes			
Diameter (Inches)	96			
Tank / Product use	Motor Fuel			
Product stored in Tank	Gasoline, Gas Mix			
Product Detail	Regular			
If hazardous substance, CAS# or description				
If other, description				
Tank status	Current			
Tank closure report submitted				
Date tank last operated				
Inches of product in Tank				
Compartment tank	No			
Other compartment(s)				
Base compartment				
Manifolded tank	No			
Manifolded with tank(s)				
Master manifold tank				
New Tank System installed in accordance with NC or MI	Yes			
Tank Construction Material (DW required after 11/1/07)	Single Wall Steel			
If other, description				
Tank Manufacturer/Model	Unknown			
If other, describe				
Tank material verified by	Invoice			
Date Pipe Installed	6/15/1999			
Was UST Piping Installed on or after 11/1/2007?	No			
Piping Construction Material (DW required after 11/1/07)	Double Wall Flex			
If other, description				
Pipe Manufacturer/Model	Unknown			
If other, describe				
Pipe material verified by	Visual			
If E-blend > 10% or Biodiesel Blend > 20%; Was UST-20 completed and approved?	N/A			

CORROSION PROTECTION

Tank Corrosion Protection	Tank #1(Diesel)	Tank #2(Kerosene)	Tank #3(Premium)	Tank #4(Regular 1)
DWM notified of current CP method	Yes	Yes	Yes	Yes
Integrity assessment performed after 3/1/06	No	No	No	No
CP Method 1	Steel/FRP Composite	Steel/FRP Composite	Steel/FRP Composite	Steel/FRP Composite
if other, Description				

Tank Corrosion Protection	Tank #1(Diesel)	Tank #2(Kerosene)	Tank #3(Premium)	Tank #4(Regular 1)
CP Installation Date	6/15/1999	2/19/2001	6/15/1999	6/15/1999
CP Method 2				
if other, Description				
CP Installation Date				
Flex Connector , Piping Extensions, and/or other metal fittings Present	Ball Valve, Elbow	Ball Valve, Elbow	Ball Valve, Elbow	Ball Valve, Elbow
Flex connector isolated from ground	N/A	N/A	N/A	N/A
Source of verification of CP for Flex Connectors, piping extensions and/or other metal fittings	Visual	Visual	Visual	Visual
if other, Description				
Submersible pump (STP) is isolated from ground	Yes	N/A	Yes	Yes
Piping extensions and/or other metal fittings are isolated from ground	Yes	Yes	Yes	Yes
Flex connector, STP and/or other metal fittings protected from corrosion	Yes	Yes	Yes	Yes
Corrosion protection method	Isolated	Isolated	Isolated	Isolated
Flex connector , Piping extensions, and/or other metal fittings CP Installation Date	9/9/2022	6/15/1999	6/15/1999	6/15/1999
Dielectric Coating Installed (If tank installed after 12/22/88	Yes	Yes	Yes	Yes

Tank Corrosion Protection	Tank #5(Regular 2)			
DWM notified of current CP method	Yes			
Integrity assessment performed after 3/1/06	No			
CP Method 1	Steel/FRP Composite			
if other, Description				
CP Installation Date	6/15/1999			
CP Method 2				
if other, Description				
CP Installation Date				
Flex Connector , Piping Extensions, and/or other metal fittings Present	Ball Valve, Elbow			
Flex connector isolated from ground	N/A			
Source of verification of CP for Flex Connectors, piping extensions and/or other metal fittings	Visual			
if other, Description				
Submersible pump (STP) is isolated from ground	Yes			
Piping extensions and/or other metal fittings are isolated from ground	Yes			
Flex connector, STP and/or other metal fittings protected from corrosion	Yes			
Corrosion protection method	Isolated			
Flex connector , Piping extensions, and/or other metal fittings CP Installation Date	6/15/1999			
Dielectric Coating Installed (If tank installed after 12/22/88	Yes			

Pipe Corrosion Protection	Tank #1(Diesel)	Tank #2(Kerosene)	Tank #3(Premium)	Tank #4(Regular 1)
DWM notified of current CP method	Yes	Yes	Yes	Yes
CP method	Flexible	Flexible	Flexible	Flexible
if other, Description				
CP Installation Date	9/9/2022	2/19/2001	6/15/1999	6/15/1999
Dielectric Coating Installed (If piping installed after 12/22/88)	N/A	N/A	N/A	N/A

Pipe Corrosion Protection	Tank #5(Regular 2)			
DWM notified of current CP method	Yes			
CP method	Flexible			
if other, Description				
CP Installation Date	6/15/1999			
Dielectric Coating Installed (If piping installed after 12/22/88)	N/A			

Dispenser Corrosion Protection	Dispenser #1(1 DIESEL UDC NEW)	Dispenser #2(1/2)	Dispenser #3(2 DIESEL UDC NEW)	Dispenser #4(3/4)
Flex Connector , Piping Extensions, and/or other metal fittings Present	Flex Connector	Flex Connector	Flex Connector	Flex Connector
Flex connector isolated from ground	Yes	Yes	Yes	Yes
Source of verification of CP for Flex Connectors, piping extensions and/or other metal fittings	Visual	Visual	Visual	Visual
if other, Description				
Piping extensions and/or other metal fittings are isolated from ground	Yes	Yes	Yes	Yes
Flex Connectors, Piping extensions and/or other metal fittings protected from corrosion	N/A	N/A	N/A	N/A
Corrosion protection method	Isolated	Isolated	Isolated	Isolated
Flex connector, Piping extensions, and/or other metal fittings CP Installation Date				
Source of Information for verification of corrosion protection for Riser pipe and other metal piping	Visual	Visual	Visual	Visual
if other, Description				

Dispenser Corrosion Protection	Dispenser #5(5/6)	Dispenser #6(7/8)		
Flex Connector , Piping Extensions, and/or other metal fittings Present	Flex Connector	Flex Connector		
Flex connector isolated from ground	Yes	Yes		
Source of verification of CP for Flex Connectors, piping extensions and/or other metal fittings	Visual	Visual		
if other, Description				
Piping extensions and/or other metal fittings are isolated from ground	Yes	Yes		
Flex Connectors, Piping extensions and/or other metal fittings protected from corrosion	N/A	N/A		
Corrosion protection method	Isolated	Isolated		

Dispenser Corrosion Protection	Dispenser #5(5/6)	Dispenser #6(7/8)		
Flex connector, Piping extensions, and/or other metal fittings CP Installation Date				
Source of Information for verification of corrosion protection for Riser pipe and other metal piping	Visual	Visual		
if other, Description				

CP Conclusions	
CP Requirements Met?	Yes
Issues	

SPILL PREVENTION

Has DWM been notified of spill methods?	Yes
---	-----

Spill/Overfill Details	Tank #1(Diesel)	Tank #2(Kerosene)	Tank #3(Premium)	Tank #4(Regular 1)
Is a drop tube present?	No	No	No	No
Type of Stage I vapor recovery?	Not Required	Not Required	Coaxial	Coaxial

Spill/Overfill Details	Tank #5(Regular 2)			
Is a drop tube present?	No			
Type of Stage I vapor recovery?	Coaxial			

Local Fill	Tank #1(Diesel)	Tank #2(Kerosene)	Tank #3(Premium)	Tank #4(Regular 1)
Does Tank have a Second Fill?	No	No	No	No
Spill Protection	Catchment Basin	Catchment Basin	Catchment Basin	Catchment Basin
Is spill prevention equipment provided and verified?	Yes	Yes	Yes	Yes
Manufacturer/Model	OPW: POMEKO Multiport Manhole (DW w/multi port sump)	OPW: POMEKO Multiport Manhole (DW w/multi port sump)	OPW: POMEKO Multiport Manhole (DW w/multi port sump)	OPW: POMEKO Multiport Manhole (DW w/multi port sump)
If other, describe				
Spill bucket is double-walled?	N/A	N/A	N/A	N/A
Monitoring Type (UST-6B)				
Is spill bucket interstice monitored every 30 days? (If installed before 11/1/07)				
Spill bucket is isolated or made of non-corroding materials? (If installed after 11/1/07)	N/A	N/A	N/A	N/A
Date spill prevention provided	6/15/1999	2/19/2001	6/15/1999	6/15/1999
Last 12 monthly spill bucket checks completed and all deficiencies corrected (UST-27)?	Yes	Yes	Yes	Yes
Is spill prevention operating properly?	Yes	Yes	Yes	Yes

Local Fill	Tank #1(Diesel)	Tank #2(Kerosene)	Tank #3(Premium)	Tank #4(Regular 1)
If No, select all that apply				
If other, describe				
O&M walkthrough inspection completed in accordance with national standard (e.g. PEI RP 900) (UST-27)?	Yes	Yes	Yes	Yes
3 Year Tightness Test Date (UST-6D/23A)	7/21/2021	7/21/2021	7/21/2021	7/21/2021
Primary Tightness Test Result (UST-6D/23A)	Pass	Pass	Pass	Pass
Secondary Tightness Test Result (UST-6D/23A)				
Tightness Testing done in accordance with a standard?	Yes	Yes	Yes	Yes

Local Fill	Tank #5(Regular 2)			
Does Tank have a Second Fill?	No			
Spill Protection	Catchment Basin			
Is spill prevention equipment provided and verified?	Yes			
Manufacturer/Model	OPW: POMEKO Multiport Manhole (DW w/multi port sump)			
If other, describe				
Spill bucket is double-walled?	N/A			
Monitoring Type (UST-6B)				
Is spill bucket interstice monitored every 30 days? (If installed before 11/1/07)				
Spill bucket is isolated or made of non-corroding materials? (If installed after 11/1/07)	N/A			
Date spill prevention provided	6/15/1999			
Last 12 monthly spill bucket checks completed and all deficiencies corrected (UST-27)?	Yes			
Is spill prevention operating properly?	Yes			
If No, select all that apply				
If other, describe				
O&M walkthrough inspection completed in accordance with national standard (e.g. PEI RP 900) (UST-27)?	Yes			
3 Year Tightness Test Date (UST-6D/23A)	7/21/2021			
Primary Tightness Test Result (UST-6D/23A)	Pass			
Secondary Tightness Test Result (UST-6D/23A)				
Tightness Testing done in accordance with a standard?	Yes			

OVERFILL PREVENTION

Has DWM been notified of overfill methods?	Yes
--	-----

Overfill Control	Tank #1(Diesel)	Tank #2(Kerosene)	Tank #3(Premium)	Tank #4(Regular 1)
Is overfill prevention equipment provided and verified?	Yes	Yes	Yes	Yes
Date overfill control provided	6/15/1999	2/19/2001	6/15/1999	6/15/1999
Type of overfill equipment	Auto Shutoff Device	Auto Shutoff Device	Auto Shutoff Device	Auto Shutoff Device
Source of information for overfill control verification	UST-22A	UST-22A	UST-22A	UST-22A
If other, describe				
Manufacturer/Model	OPW: 71SO-XXXX Series (FV)	OPW: 61SO Series (FV)	OPW: 71SO-XXXX Series (FV)	OPW: 71SO-XXXX Series (FV)
If other, describe				
Is overfill control operating properly?	Yes	Yes	Yes	Yes
If No, select all that apply				
If other, describe				
Overfill check date (UST-22A)	7/21/2022	7/21/2022	7/21/2022	7/21/2022
Overfill check result (UST-22A)	Pass	Pass	Pass	Pass
Capacity of Tank in Gallons	6000	1000	12000	12000
Diameter (Inches)	96	64	96	96

Overfill Control	Tank #5(Regular 2)			
Is overfill prevention equipment provided and verified?	Yes			
Date overfill control provided	6/15/1999			
Type of overfill equipment	Auto Shutoff Device			
Source of information for overfill control verification	UST-22A			
If other, describe				
Manufacturer/Model	OPW: 71SO-XXXX Series (FV)			
If other, describe				
Is overfill control operating properly?	Yes			
If No, select all that apply				
If other, describe				
Overfill check date (UST-22A)	7/21/2022			
Overfill check result (UST-22A)	Pass			
Capacity of Tank in Gallons	12000			
Diameter (Inches)	96			

Dispenser Sumps	Dispenser #1(1 DIESEL UDC NEW)	Dispenser #2(1/2)	Dispenser #3(2 DIESEL UDC NEW)	Dispenser #4(3/4)
Are containment sumps present?	Yes	Yes	Yes	Yes
Installation Date	9/9/2022	6/15/1999	9/9/2022	6/15/1999
Sump Manufacturer	OPW: Flexworks Disp Sump	Environ: Disp Sump	OPW: Flexworks Disp Sump	Environ: Disp Sump
If Other (Specify)				
Sump Construction Type	Single Walled	Single Walled	Single Walled	Single Walled
Sump Construction Material	Plastic	Plastic	Plastic	Plastic

Dispenser Sumps	Dispenser #1(1 DIESEL UDC NEW)	Dispenser #2(1/2)	Dispenser #3(2 DIESEL UDC NEW)	Dispenser #4(3/4)
If Other (Specify)				
Are containment sumps monitored?	Yes	No	Yes	No
Is monitoring required per 2N .0900?	Yes	No	Yes	No
Piping components and/or STP were installed/replaced on or after 11/1/07?	Yes	No	Yes	No
Are spills or small weeps evident in sumps?	No	No	No	No
Are single wall piping components located in containment sump? (If installed after 11/1/07)	Yes		Yes	
UDC Visual Inspection Date (annually)(UST-22C)	7/21/2022	7/21/2022	7/21/2022	7/21/2022
UDC Visual Inspection Results (UST-22C)	Pass	Pass	Pass	Pass
Annual containment sump check completed in accordance with national standard (e.g. PEI RP 900)?	Yes	Yes	Yes	Yes

Dispenser Sumps	Dispenser #5(5/6)	Dispenser #6(7/8)		
Are containment sumps present?	Yes	Yes		
Installation Date	6/15/1999	6/15/1999		
Sump Manufacturer	Environ: Disp Sump	Environ: Disp Sump		
If Other (Specify)				
Sump Construction Type	Single Walled	Single Walled		
Sump Construction Material	Plastic	Plastic		
If Other (Specify)				
Are containment sumps monitored?	No	No		
Is monitoring required per 2N .0900?	No	No		
Piping components and/or STP were installed/replaced on or after 11/1/07?	No	No		
Are spills or small weeps evident in sumps?	No	No		
Are single wall piping components located in containment sump? (If installed after 11/1/07)				
UDC Visual Inspection Date (annually)(UST-22C)	7/21/2022	7/21/2022		
UDC Visual Inspection Results (UST-22C)	Pass	Pass		
Annual containment sump check completed in accordance with national standard (e.g. PEI RP 900)?	Yes	Yes		

Other Sumps	Sump#1(DIESEL STP)	Sump#2(KE ROSENE TANK TOP)	Sump#3(PRE MIUM STP)	Sump#4(RE GULAR 1 STP)
Are containment sumps present?	Yes	Yes	Yes	Yes
Installation Date	9/9/2022	2/19/2001	6/15/1999	6/15/1999
Sump Manufacturer	Environ: Tank Sump	Environ: Tank Sump	Environ: Tank Sump	Environ: Tank Sump
If Other (Specify)				
Sump Construction Type	Single Walled	Single Walled	Single Walled	Single Walled
Sump Construction Material	Plastic	Plastic	Plastic	Plastic
If Other (Specify)				
Are containment sumps monitored?	Yes	No	No	No

Other Sumps	Sump#1(DIE SEL STP)	Sump#2(KE ROSENE TANK TOP)	Sump#3(PRE MIUM STP)	Sump#4(RE GULAR 1 STP)
Is monitoring required per 2N .0900?	Yes	No	No	No
Piping components and/or STP were installed/replaced on or after 11/1/07?	Yes	No	No	No
Are spills or small weeps evident in sumps?	No	No	No	No
Are single wall piping components located in containment sump? (If installed after 11/1/07)	Yes			
Sump Visual Inspection Date (annually) (UST-22C)	7/21/2022	7/21/2022	7/21/2022	7/21/2022
Sump Visual Inspection Results (UST-22C)	Pass	Pass	Pass	Pass
Annual containment sump check completed in accordance with national standard (e.g. PEI RP 900)?	Yes	Yes	Yes	Yes

Other Sumps	Sump#5(RE GULAR 2 STP)			
Are containment sumps present?	Yes			
Installation Date	6/15/1999			
Sump Manufacturer	Environ: Tank Sump			
If Other (Specify)				
Sump Construction Type	Single Walled			
Sump Construction Material	Plastic			
If Other (Specify)				
Are containment sumps monitored?	No			
Is monitoring required per 2N .0900?	No			
Piping components and/or STP were installed/replaced on or after 11/1/07?	No			
Are spills or small weeps evident in sumps?	No			
Are single wall piping components located in containment sump? (If installed after 11/1/07)				
Sump Visual Inspection Date (annually) (UST-22C)	7/21/2022			
Sump Visual Inspection Results (UST-22C)	Pass			
Annual containment sump check completed in accordance with national standard (e.g. PEI RP 900)?	Yes			

SITING AND SECONDARY CONTAINMENT

Siting And Sec.Containment-General	Tank #1(Diesel)	Tank #2(Kerosene)	Tank #3(Premium)	Tank #4(Regular 1)
UST system upgraded with corrosion protection, spill and overfill before 1/1/91?	N/A	N/A	N/A	N/A
UST system and/or piping are located within siting and secondary containment areas?	No	No	No	No

Siting And Sec.Containment-General	Tank #5(Regular 2)			
UST system upgraded with corrosion protection, spill and overfill before 1/1/91?	N/A			
UST system and/or piping are located within siting and secondary containment areas?	No			

LEAK DETECTION

General	Tank #1(Diesel)	Tank #2(Kerosene)	Tank #3(Premium)	Tank #4(Regular 1)
DWM notified of leak detection method?	Yes	Yes	Yes	Yes
Piping Type				
Piping type	Pressurized System	European Suction	Pressurized System	Pressurized System
if other, specify				
Suction check type		Dispenser		
Type LLD present.	ELLD	Not Required	ELLD	ELLD
Tank Release Detection				
Primary leak detection method	Automatic Tank Gauging	Automatic Tank Gauging	Automatic Tank Gauging	Automatic Tank Gauging
if other, specify				
Primary LD install date	6/15/1999	2/19/2001	6/15/1999	6/15/1999
Secondary leak detection method				
if other, specify				
Piping Release Detection				
Primary leak detection method	Interstitial Monitoring (IM)	Exempt (European Style)	Line Tightness Testing (LTT)	Line Tightness Testing (LTT)
if other, specify				
Primary LD install date	6/15/1999	2/19/2001	6/15/1999	6/15/1999
Secondary leak detection method				
if other, specify				
Equipment Checks				
Last 12 monthly RD equipment checks completed and all deficiencies corrected (UST-27)?	Yes	Yes	Yes	Yes
if no, select all that apply				
Annual RD equipment operability check result (UST-22B)	Pass	Pass	Pass	Pass
if Fail, select all that apply				
Annual RD equipment operability check date (UST-22B)	7/21/2022	7/21/2022	7/21/2022	7/21/2022
RD equipment checks completed per national standard (e.g. PEI RP 900/1200) (UST-22B/27)?	Yes	Yes	Yes	Yes

General	Tank #5(Regular 2)			
DWM notified of leak detection method?	Yes			
Piping Type				
Piping type	Pressurized System			
if other, specify				
Suction check type				
Type LLD present.	ELLD			

General		Tank #5(Regular 2)		
Tank Release Detection				
Primary leak detection method	Automatic Tank Gauging			
if other, specify				
Primary LD install date	6/15/1999			
Secondary leak detection method				
if other, specify				
Piping Release Detection				
Primary leak detection method	Line Tightness Testing (LTT)			
if other, specify				
Primary LD install date	6/15/1999			
Secondary leak detection method				
if other, specify				
Equipment Checks				
Last 12 monthly RD equipment checks completed and all deficiencies corrected (UST-27)?	Yes			
if no, select all that apply				
Annual RD equipment operability check result (UST-22B)	Pass			
if Fail, select all that apply				
Annual RD equipment operability check date (UST-22B)	7/21/2022			
RD equipment checks completed per national standard (e.g. PEI RP 900/1200) (UST-22B/27)?	Yes			

PIPING LEAK DETECTION

Pressurized Piping	Tank #1(Diesel)	Tank #3(Premium)	Tank #4(Regular 1)	Tank #5(Regular 2)
Last MLLD/ELLD Test Date	10/12/2022	7/21/2022	7/21/2022	7/21/2022
MLLD/ELLD Test Result	Pass	Pass	Pass	Pass
Last LTT Test Date	10/12/2022	7/21/2022	7/21/2022	7/21/2022
LTT Test Result	Pass	Pass	Pass	Pass
Does test result indicate suspected release?	No	No	No	No
Number of MLLD/ELLD Types	1	1	1	1

MLLD/ELLD Equipment	Tank #1(Diesel) LLD #1	Tank #3(Premium) LLD #1	Tank #4(Regular 1) LLD #1	Tank #5(Regular 2) LLD #1
MLLD/ELLD Manufacturer/Model	V-R/RJ: FX1DV (M)	V-R: PLLD Series 8484 (E)	V-R: PLLD Series 8484 (E)	V-R: PLLD Series 8484 (E)
if other, describe				
MLLD/ELLD Third Party Certified?	Yes	Yes	Yes	Yes

MLLD/ELLD Testers	MLLD/ELLD Tester #1
MLLD/ELLD Tester Name	BRANDON FIPPS
MLLD/ELLD Testing Company Name	PTS, INC
MLLD/ELLD Testing Company Phone Number	(704) 619-1243

Pressurized Piping LTT	LTT #1
LTT Manufacturer/Method	AcuRite: Training & Serv
If other, describe	
LTT Third Party Certified?	Yes

Pressurized Piping LTT Tester	LTT Tester #1
LTT Tester Name	BRANDON FIPPS
LTT Testing Company Name	PTS, INC
LTT Testing Company Phone Number	(704) 619-1243

European Suction	Tank #2(Kerosene)
Requirements for European suction piping verified?	Yes
Source of information for European Suction verification.	UST-19
If other, specify	

AUTOMATIC TANK GAUGE

ATG Systems	ATG #1
ATG Manufacturer/Model	V-R: TLS-450Plus CSLD
If other, describe	
ATG Third Party Certified?	Yes
Is ATG console operational?	Yes
Tanks	#1(Diesel), #2(Kerosene), #3(Premium), #4(Regular 1), #5(Regular 2)

ATG Monthly LD	Tank #1(Diesel)	Tank #2(Kerosene)	Tank #3(Premium)	Tank #4(Regular 1)
2022 Oct	Pass	Pass	Pass	Pass
2022 Sep	Pass	Pass	Pass	Pass
2022 Aug	Pass	Pass	Pass	Pass
2022 Jul	Pass	Pass	Pass	Pass
2022 Jun	Pass	Pass	Pass	Pass
2022 May	Pass	Pass	Pass	Pass
2022 Apr	Pass	Pass	Pass	Pass
2022 Mar	Pass	Pass	Pass	Pass
2022 Feb	Pass	Pass	Pass	Pass
2022 Jan	Pass	Pass	Pass	Pass
2021 Dec	Pass	Pass	Pass	Pass
2021 Nov	Pass	Pass	Pass	Pass

ATG Monthly LD	Tank #5(Regular 2)			
2022 Oct	Pass			
2022 Sep	Pass			
2022 Aug	Pass			
2022 Jul	Pass			
2022 Jun	Pass			
2022 May	Pass			
2022 Apr	Pass			
2022 Mar	Pass			
2022 Feb	Pass			
2022 Jan	Pass			
2021 Dec	Pass			
2021 Nov	Pass			

ATG Conclusions	
Leak Detection Requirements Met?	Yes
Do the results indicate a suspected release?	
Issues	

INTERSTITIAL MONITORING AFTER 11/1/07

IM After 11/07-Consoles	IM Console #1
Manufacturer/Model of Interstitial Monitoring Console	V-R: TLS-450Plus CSLD
If other, describe	
Tanks	

IM After 11/07-Sumps	Sump #1(DIESEL STP)
Manufacturer/Model of Sensor (UST-6B)	V-R: Sump Sens-Pipe 794380-208
If other, describe	
Monitoring Type (UST-6B)	Float Sensor
Sensor third party certified	Yes
Sensor Operability Check Date (annually) (UST-22B)	10/12/2022
Sensor Operability Check Results (UST-22B)	Pass
Sensor < 2" off bottom	Yes
Pipe interstice open to sump (if monitored by sump sensor)	Yes
3 Year Tightness Test Date (UST-6F/23B)	10/12/2022
3 Year Tightness Test Result (UST-6F/23B)	Pass

IM After 11/07-Pipes	Tank #1(Diesel)
Manufacturer/Model of Sensor (UST-6B)	
If other, describe	
Monitoring Type (UST-6B)	Sump Sensor
Sensor third party certified	
Sensor Operability Check Date (annually) (UST-22B)	
Sensor Operability Check Results (UST-22B)	
Secondary Tightness Test Date (UST-6G/23C)	10/12/2022
Secondary Tightness Test Results (UST-6G/23C)	Pass
Secondary Tightness Test done in accordance manufacturer's instructions (UST-6G/23C)?	Yes

IM After 11/07-Dispensers	Dispenser #1(1 DIESEL UDC NEW)	Dispenser #3(2 DIESEL UDC NEW)
Manufacturer/Model of Sensor (UST-6B)	V-R: Sump Sens-Pipe 794380-208	V-R: Sump Sens-Pipe 794380-208
If other, describe		
Monitoring Type (UST-6B)	Float Sensor	Float Sensor

IM After 11/07-Dispensers	Dispenser #1(1 DIESEL UDC NEW)	Dispenser #3(2 DIESEL UDC NEW)
Sensor third party certified	Yes	Yes
Sensor Operability Check Date (annually) (UST-22B)	10/12/2022	10/12/2022
Sensor Operability Check Results (UST-22B)	Pass	Pass
Sensor < 2" off bottom	Yes	Yes
Pipe interstice open to sump (if monitored by sump sensor)	Yes	Yes
3 Year Tightness Test Date (UST-6F/23B)	10/12/2022	10/12/2022
3 Year Tightness Test Result (UST-6F/23B)	Pass	Pass

IM After 11/07-Dispenser Monthly LD	Dispenser #1(1 DIESEL UDC NEW)	Dispenser #3(2 DIESEL UDC NEW)
2022 Oct	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2022 Sep	Sensor: T Alarm: T	Sensor: T Alarm: T
2022 Aug	Sensor: T Alarm: T	Sensor: T Alarm: T
2022 Jul	Sensor: T Alarm: T	Sensor: T Alarm: T
2022 Jun	Sensor: T Alarm: T	Sensor: T Alarm: T
2022 May	Sensor: T Alarm: T	Sensor: T Alarm: T
2022 Apr	Sensor: T Alarm: T	Sensor: T Alarm: T
2022 Mar	Sensor: T Alarm: T	Sensor: T Alarm: T
2022 Feb	Sensor: T Alarm: T	Sensor: T Alarm: T
2022 Jan	Sensor: T Alarm: T	Sensor: T Alarm: T
2021 Dec	Sensor: T Alarm: T	Sensor: T Alarm: T
2021 Nov	Sensor: T Alarm: T	Sensor: T Alarm: T

IM After 11/07-Sump Monthly LD	Sump #1(DIESEL STP)
2022 Oct	Sensor: P Alarm: Y
2022 Sep	Sensor: T Alarm: T
2022 Aug	Sensor: T Alarm: T
2022 Jul	Sensor: T Alarm: T
2022 Jun	Sensor: T Alarm: T
2022 May	Sensor: T Alarm: T
2022 Apr	Sensor: T Alarm: T
2022 Mar	Sensor: T Alarm: T
2022 Feb	Sensor: T Alarm: T
2022 Jan	Sensor: T Alarm: T
2021 Dec	Sensor: T Alarm: T
2021 Nov	Sensor: T Alarm: T

IM After 11/07-Dispenser Conclusions	
Leak Detection Requirements Met?	Yes
Do the results indicate a suspected release?	
Issues	

IM After 11/07-Sump Conclusions	
Leak Detection Requirements Met?	Yes
Do the results indicate a suspected release?	
Issues	

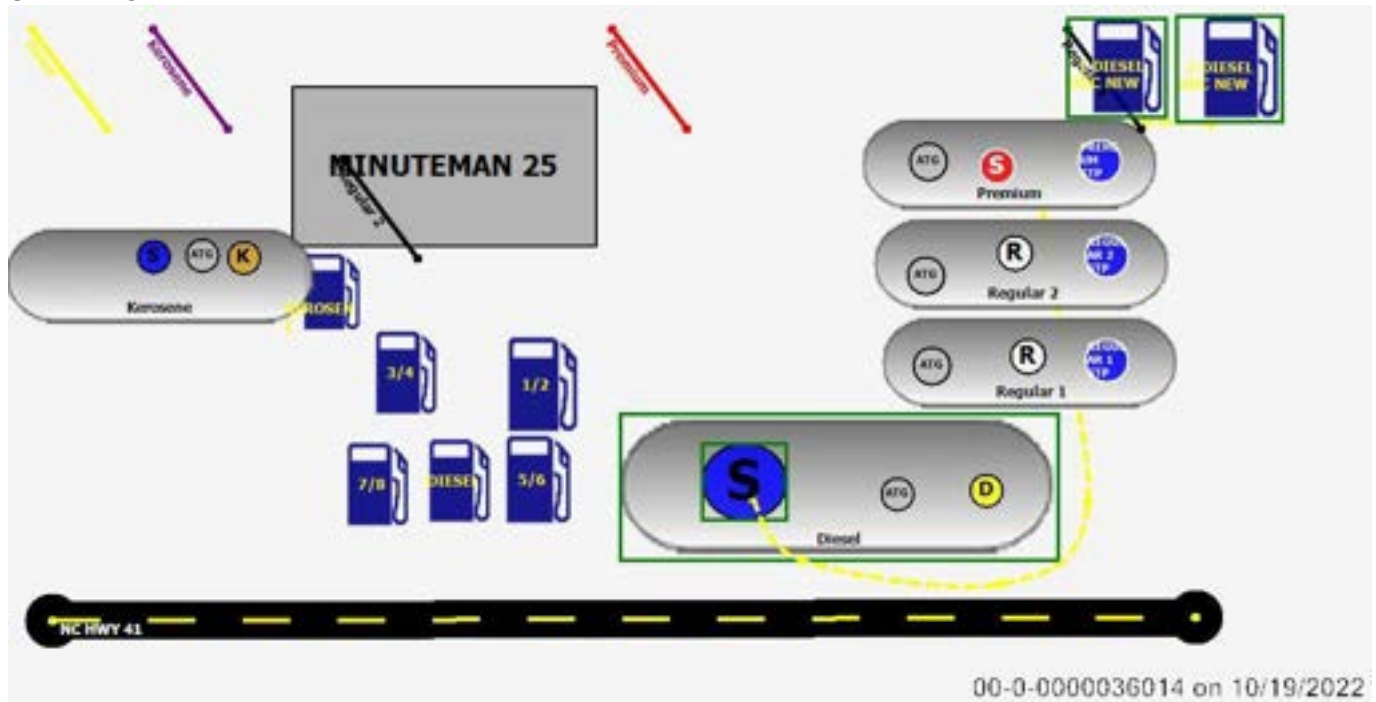
REPAIRS

Repairs	
Any Repair Issues?	No
Issues	

Delivery Information	Tank #1(Diesel)	Tank #2(Kerosene)	Tank #3(Premium)	Tank #4(Regular 1)
All deliveries made to permitted tanks	Yes	Yes	Yes	Yes

Delivery Information	Tank #5(Regular 2)			
All deliveries made to permitted tanks	Yes			

SITE DIAGRAM 1





NC DEQ Facility Inspection Photos



PICDIAG PREMIUM STP SUMP



PICDIAG REGULAR 2 SP SUMP



PICDIAG REGULAR 1 STP SUMP



PICDIAG DIESEL STP SUMP



NC DEQ Facility Inspection Photos



PICDIAG 90 TURN TO UDCS



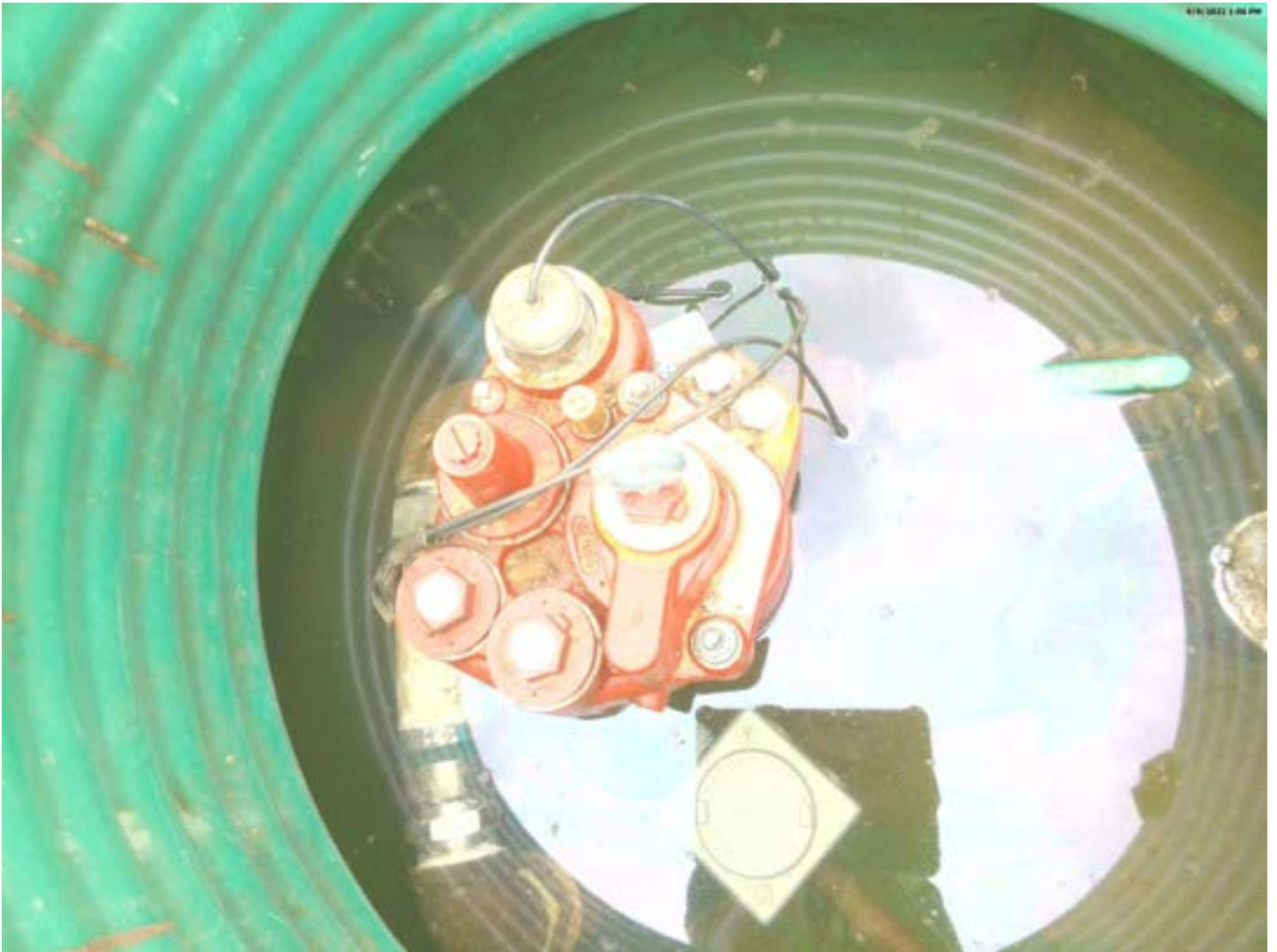
PICDIAG 90 TURN TO 90 TURNWARD UDC



PICDIAG 45 DEGREE TURN TO FIRST 90 DEGREE TURN



PICDIAG NEW PIPING FROM DIESEL STP TO FIRST 45 TURN



PICDIAG DIRSEL STP SUMP



PICDIAG FLEXWORKS PIING 220607129

FA-2040

State of North Carolina
Department of Environment,
Health and Natural Resources
Fayetteville Regional Office



James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
Andrew McCall, Regional Manager

DIVISION OF ENVIRONMENTAL MANAGEMENT

January 18, 1995

Mr. Bob Zimmerman
Supervisor - Environmental Services
Roadway Express, Inc.
1077 Gorge Blvd.
Akron, OH 44309

SUBJECT: Underground Storage Tank Closure
UST Soil Assessment Lab Results
Roadway Express, Inc.
Facility ID# 0-018776
Lumberton, Robeson County

Dear Mr. Zimmerman:

This is to acknowledge receipt of the above mentioned soil assessment dated October 5, 1994, and received in the Fayetteville Regional Office October 6, 1994.

A review of the closure report for the UST system by the Groundwater staff indicates that no additional excavation, site investigation, nor monitoring is required. Should new information become available concerning this matter, we reserve the right to reopen the investigation.

If you have any questions or need additional information, please contact me or any member of the Groundwater staff of this office at (910) 486-1541.

Sincerely,

Michael W. Linscott
Hydrogeological Technician II

2 ✓

(GW/UST-3)

Notice of Intent: UST Permanent Closure or Change-in-Service

FOR
TANKS
IN
NC

Return Completed Form To:
The appropriate DEM Regional Office according to the county of the facility's location. (SEE REVERSE SIDE OF OWNER'S COPY (PINK) FOR REGIONAL OFFICE ADDRESS).

State Use Only
I. D. Number _____
Date Received _____

INSTRUCTIONS

Complete and return thirty (30) days prior to closure or change-in-service.

I. OWNERSHIP OF TANK(S)

Tank Owner Name: ROADWAY EXPRESS, INC.
(Corporation, Individual, Public Agency, or Other Entity)
Street Address: 1077 GORGE BLVD.
County: SUMMIT
City: AKRON State: OH Zip Code: 44309
Tele. No. (Area Code): (216) 384-1717

II. LOCATION OF TANK(S)

Facility Name or Company: ROADWAY EXPRESS, INC.
Facility ID # (if available): 0-018776
Street Address or State Road: Rt. 6, Box 33
County: ROBESON City: Lumberton Zip Code: 28358...
Tele. No. (Area Code): (919) 738-7181

III. CONTACT PERSON

Name: BOB ZIMMERMANN Job Title: SUPERVISOR - Environ. Services Telephone Number: (216) 258-242

IV. TANK REMOVAL, CLOSURE IN PLACE, CHANGE-IN-SERVICE

- Contact Local Fire Marshall.
- Plan the entire closure event.
- Conduct Site Soil Assessments.
- If Removing Tanks or Closing in Place refer to API Publications, 2015 "Cleaning Petroleum Storage Tanks" & 1604 "Removal & Disposal of Used Underground Petroleum Storage Tanks".
- Provide a sketch locating piping, tanks and soil sampling locations.
- Fill out form GW/UST-2 "Site Investigation Report for Permanent Closure" and return within 30 days following the site investigation.
- Keep records for 3 years.

V. WORK TO BE PERFORMED BY:

(Contractor) Name: (FINALIZING BID REVIEW)
Address: _____ State: _____ Zip Code: _____
Contact: _____ Phone: _____

VI. TANK(S) SCHEDULED FOR CLOSURE OR CHANGE-IN-SERVICE

TANK ID#	TANK CAPACITY	LAST CONTENTS	PROPOSED ACTIVITY		
			Removal	Abandonment In Place	Change-in-Service
<u>1</u>	<u>10,000 gal.</u>	<u>Diesel</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

VII. OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE

Name and official title: ROBERT E. ZIMMERMANN - SUPERVISOR, ENVIRONMENTAL SERVICES
Signature: [Signature] "Scheduled Removal Date: 7/29/94
Date Submitted: 6/30/94

If scheduled work date changes, notify your appropriate DEM Regional Office 48 hours prior to originally scheduled date.

FOR
TANKS
IN
NC

Return Completed Form To:

The appropriate DEM Regional Office according to the county of the facility's location. [SEE MAP ON REVERSE SIDE OF OWNER'S COPY (PINK) FOR REGIONAL OFFICE ADDRESS].

State Use Only
I.D. Number
Date Received **6** 1994

INSTRUCTIONS

Complete and return within (30) days following completion of site investigation.

CAYETTEVILLE REG. OFFICE

I. Ownership of Tank(s)

Owner Name: ROADWAY EXPRESS, INC.
 Corporation, Individual, Public Agency, or Other Entity
 Street Address: 1077 GORGE BLVD
 County: SUMMIT
 City: AKRON State: OH Zip Code: 44309
 Telephone Number: (216) 384-8184
 (Area Code)

II. Location of Tank(s)

Facility Name: ROADWAY EXPRESS, INC.
 (or Company)
 Facility ID # (if available): 0-018776
 Street Address RT. 6, BOX 33, KENNY BIGGS RD.
 (or State Road)
 County: ROBESON City: LUMBERTON Zip Code: 28358
 Telephone Number: (910) 738-7181
 (Area Code)

III. Contact Person

Name: ROBERT E. ZIMMERMANN Job Title: SUPERVISOR - ENVIRONMENTAL SERVICES Tel. No. (216) 258-2412
 Closure Contractor: SPATCO ENVIRONMENTAL Address: 130 PENNAC DR., SUITE 112, RALEIGH, NC, 27603 Tel. No. (919) 832-2535
 Primary Consultant: SPATCO ENVIRONMENTAL Address: (SAME AS ABOVE) Tel. No. : #
 Lab: HYDROLOGIC, INC. Address: 2500 GATEWAY CENTRE BLVD, SUITE 900 MORRISVILLE, NC 27560 Tel. No. : (919) 380-9699

IV. U.S.T. Information

V. Excavation Condition

VI. Additional Information Required

Tank No.	Size in Gallons	Tank Dimensions	Last Contents	Water in Excavation		Free Product		Notable Odor or Visible Soil Contamination	
				Yes	No	Yes	No	Yes	No
1	10,000	8' X 26' 7"	DIESEL FUEL	✓			✓		✓

See reverse side of pink copy (owner's copy) for additional information required by N.C. - DEM in the written report and sketch.
NOTE: The site assessment portion of the tank closure must be conducted under the supervision of a Professional Engineer or Licensed Geologist. After Jan. 1, 1994, all closure site assessment reports must be signed and sealed by a P.E. or L.G.

VII. Check List (Check the activities completed)

PERMANENT CLOSURE (For Removing or Abandoning-in-place)

- Contact local fire marshal.
 - Notify DEM Regional Office before abandonment.
 - Drain & flush piping into tank.
 - Remove all product and residuals from tank.
 - Excavate down to tank.
 - Clean and inspect tank.
 - Remove drop tube, fill pipe, gauge pipe, vapor recovery tank connections, submersible pumps and other tank fixtures.
 - Cap or plug all lines except the vent and fill lines.
 - Purge tank of all product & flammable vapors.
 - Cut one or more large holes in the tanks.
 - Backfill the area.
- Date Tank(s) Permanently closed: 9-15-94
 Date of Change-in-Service: _____

ABANDONMENT IN PLACE

- Fill tank until material overflows tank opening.
- Plug or cap all openings.
- Disconnect and cap or remove vent line.
- Solid inert material used - specify: _____

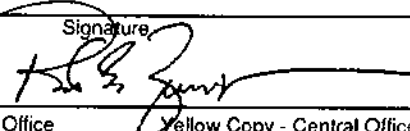
REMOVAL

- Create vent hole.
 - Label tank.
 - Dispose of tank in approved manner.
- Final tank destination: NATIONWIDE TANK DISPOSAL SERVICES

VIII. Certification (Read and Sign)

Certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Print name and official title of owner or owner's authorized representative
ROBERT E. ZIMMERMANN, SUPERVISOR - ENVIRONMENTAL SERVICES
ROADWAY SERVICES, INC.

Signature


Date Signed
10-5-94

North Carolina
Department of Environment and Natural Resources
Division of Waste Management
Underground Storage Tank Section
Fayetteville Regional Office



Michael F. Easley, Governor
William G. Ross Jr, Secretary
Dexter R. Matthews, Director

March 3, 2003

CERTIFIED MAIL
RETURN RECEIPT REQUESTED 7099 3400 0011 1133 5890

Mr. Christopher Oliver
Oliver Oil Company
1811 East Fifth Street
Lumberton, NC 28358

Re: Notice of No Further Action
15A NCAC 2L .0115(h)
Risk-Based Assessment and Corrective Action for Petroleum Underground Storage Tanks
Sun Do No. 41
3623 Martin Luther King Jr. Drive
Lumberton, Robeson County
Incident # 21728
Intermediate Risk Classification

Dear Mr. Oliver:

The Underground Storage Tank (UST) Section, Division of Waste Management, Fayetteville Regional Office has received a Clean-up Verification Report for the above-referenced site. A review of the report shows that soil contamination does not exceed the residential or soil-to-groundwater maximum soil contaminant concentrations and groundwater contamination meets the cleanup requirements for a Low risk site. The UST Section finds it appropriate to lower the risk classification of the release from intermediate to low. No further assessment or remedial actions are required at this time. However, please be advised that because groundwater contamination still exceeds the groundwater quality standards established in 15A NCAC 2L .0202, groundwater within the area of contamination or within the area where contamination is expected to migrate is not suitable for use as a water supply.

Pursuant to NCGS 143B-279.9 and 143B-279.11, you must file the approved Notice of Residual Petroleum (attached) with the Register of Deeds in the county in which the release is located and submit a certified copy to the UST Section within **30 days** of receipt of this letter. **This No Further Action Determination will not become valid until the UST Section receives a certified copy of the Notice of Residual Petroleum that is filed with the Register of Deeds and the public notice requirements outlined below are completed.**

225 Green Street, Suite 714, Fayetteville, North Carolina 28301-5043

Phone: 910-486-1541 / FAX: 910-486-0707 / Internet: <http://wastenot.enr.state.nc.us>

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER / 30% POST CONSUMER PAPER

Public notice in accordance with 15A NCAC 2L .0115(k) is required as follows. Within **30 days** of receipt of this no further action letter, you must provide a copy of this letter to the following persons:

- ☐ Local health director;
- ☐ Chief administrative officer (i.e., Mayor, Chairman of the County Commissioners, County Manager, City Manager or other official of equal or similar position) of each political jurisdiction in which the contamination occurs;
- ☐ All property owners and occupants within or contiguous to the area containing contamination; and
- ☐ All property owners and occupants within or contiguous to the area where the contamination is expected to migrate.

Copies of this no further action letter must be sent to the persons listed above by certified mail. If it is impractical to provide this public notice by certified mail to the occupants of apartment buildings, condominiums, office buildings, etc., you may post a copy of this letter in a prominent place where the occupants are most likely to see it.

Within **60 days** of receiving this no further action letter, you must provide the UST Section Fayetteville Regional Office with proof of receipt of the copy of the letter or of refusal by the addressee to accept delivery of the copy of the letter. If a copy of the letter is posted, you must provide the UST Section with a description of the manner in which the letter was posted.

Interested parties may examine the Site Closure Report by contacting Gene Jackson at (910) 486-1541. In addition, the UST Section Fayetteville Regional Office has the Site Clean-up Verification Report along with other site information on file and available for public review. Interested parties may arrange to review this information by contacting the project manager at the regional office listed below. In addition, comments on the Site Closure Report may be submitted to the regional office.

Gene Jackson
NCDENR / DWM / UST Section
225 Green Street, Suite 714
Fayetteville, NC 28301-5043
(910) 486-1541

Pursuant to 15A NCAC 2L .0115(e), you have a continuing obligation to notify the UST Section of any changes that you know of or should know of, that might affect the level of risk assigned to the discharge or release. Such changes include, but are not limited to, changes in zoning of real property, use of real property or the use of groundwater that has been contaminated or is expected to be contaminated by the discharge or release, if such change could cause the UST Section to reclassify the risk. Please note that this responsibility not only pertains to changes involving the

property on which the release occurred, but to changes involving the surrounding properties as well.

Please be advised that you should close any monitoring wells or injection wells used to investigate or remediate this incident in accordance with 15A NCAC 2C .0113 and .0214, respectively. For guidance on closure of infiltration galleries, please contact The Division of Water Quality, Groundwater Section at Fayetteville Regional Office. Should you have any questions concerning this letter, please contact me at (910) 486-1541.

Sincerely,



Gene Jackson
Fayetteville Regional Office

Attachments: Notice of Residual Petroleum
15A NCAC 2C .0113
15A NCAC 2C .0214
Well Abandonment Form

cc: Joe Nestor – NESCO Environmental – 6736 Rocky Falls Rd. – Charlotte, NC 28211
Fro Files

7099 3400 0011 1133 5890

U.S. Postal Service CERTIFIED MAIL RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)

Article Sent To:
Oliver Oil Company

Postage	\$ 1.15	03.03.2003 Postmark Here
Certified Fee	2.30	
Return Receipt Fee (Endorsement Required)	1.75	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 5.20	

Name (Please Print Clearly) (to be completed by mailer)
Mr. Christopher Oliver

Street, Apt. No., or PO Box No.
1811 East Fifth Street (N.N.F.A.)

City, State, ZIP+4
Lumberton, NC 28358 (#21728)

HIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) _____ B. Date of Delivery **3-4-03**

C. Signature *James Hayward* Agent Addressee

D. Is delivery address different from item 1? Yes No
If YES, enter delivery address below: _____

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

**Oliver Oil Company
ATTN: Mr. Christopher Oliver
1811 East Fifth Street
Lumberton, NC 28358**

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes No

2. Article Number (Transfer from service label)
7099 3400 0011 1133 5890 (N.N.F.A./#21728)

PS Form 3811, March 2001 Domestic Return Receipt 102595-01-M-1424

SEN



FAX TRANSMISSION
DENR
FAYETTEVILLE REGIONAL OFFICE
FAYETTEVILLE, NORTH CAROLINA 28301-5043
VOICE: 910-486-1541
Fax: 910-486-0707

To: *Joe Nestor*

Date: *4/29/03*

Fax #: *704-442-1365*

Pages (including cover): *2*

From: *Gene Jackson*

Subject: *Pre Approval
Incident # 21728*

COMMENTS:

PREAPPROVAL/CLAIM AUTHORIZATION FORM

Claim # _____

Department of Environment & Natural Resources - Division of Waste Management

Site Name Sun Do 41 Site Rank Low Incident # 21728
 City Lumberton Robeson
 Owner/Operator/Landowner/Attorney-in-fact Oliver Oil Company
 Name of Consulting Firm Nesco Environmental, P.L.L.C.
 Name of Project Manager (consultant) Joseph P. Nestor
 Date of Proposal (consultant) April 18, 2003
 Consultant Phone 704-442-1365 Consultant Fax 704-442-1365
 Regional Office Fayetteville Incident Manager (if known) Gene Jackson
 Site Status: Active No Further Action _____
 Commercial Noncommercial _____
 Has State Trust Fund eligibility been determined? Yes No _____
 Is this the final claim for this site? Yes _____ No
TASK AUTHORIZATION NUMBER 21728-3

Note: This form should be used to receive preapproval from the appropriate regional office. A proposal must be attached to elaborate on the costs for the tasks listed below and to describe the scope of work and the rationale for conducting these activities. If you discover that unexpected tasks must be performed and/or costs will be incurred that will exceed the amount preapproved in this authorization, then you must complete and submit an **Amended Preapproval/Claim Authorization Form** to the regional office. Please attach this form to the cover of the corresponding claim when requesting reimbursement. **IMPORTANT:** 1) Only one PREAPPROVAL- or AMENDED PREAPPROVAL/CLAIM AUTHORIZATION FORM will be accepted per submittal; and (2) only one claim may be submitted during a quarter or 3-month period unless the total requested claim amount exceeds \$20,000 in which case the claim may be submitted at any time. Final reimbursement of costs associated with the **Total Claim Approved Amount** below may vary depending on the eligibility status of the site (i.e., deductibles, apportionment, etc.).

Attach all Main Consultant/Contractor invoices. Attach the proof of payment directly to the front of each Main Consultant/Contractor invoice.

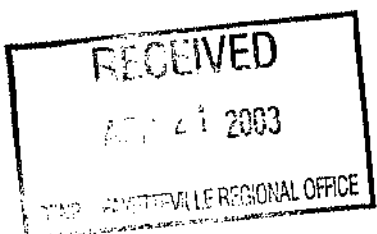
Task No.	PREAPPROVAL - IF REQUIRED <i>(See instructions for tasks requiring preapproval)</i>		REIMBURSEMENT	
	Preapproval Requested Amt. <i>(Consultant)</i>	Preapproved Amount <i>(Regional Office)</i>	Claim Requested Amount <i>(Consultant)</i>	Final Approved Amount <i>(Central Office)</i>
1.025	\$500.00	500.00		
6.082	\$390.00	390.00		
6.174	\$983.00	983.00		
12.010	\$325.00	325.00		
Totals	\$2,198.00	2,198.00		
			A	
			B	

Claim Prep. Cost (No. of Tasks x \$20.00) = _____

TOTAL CLAIM AMOUNT (A+B) = _____

Main Consultant Project Manager Signature Joseph P. Nestor
 Reg. Office Incident Mgr Pre-approval Authorization Gene Jackson
 DWM/UST 3/1/03

Date April 18, 2003
 Date 4/29/03

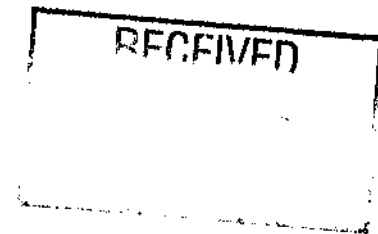


NESCO

Environmental

April 18, 2003

Gene Jackson
NCDENR
225 Green Street
Fayetteville, NC 28301



Re: Request for Pre-Approval for STF Reimbursement
Activities Related to Deed Recordation and Public Notice
Sun Do No. 41
Lumberton, NC
NCDENR Ground Water Incident No. 21728

Dear Mr. Jackson:

Nesco Environmental, P.L.L.C. (Nesco Environmental) prepared this correspondence on behalf of Oliver Oil Company to request pre-approval of certain tasks related to deed recordation and public notice at the referenced project site.

1.0 Project Background

On March 3, 2003, NCDENR issued a "no further action required" notice to Oliver Oil Company. This notice is contingent upon Oliver Oil Company filing a "Notice of Residual Petroleum" with the Robeson County Register of Deeds and providing a copy of the "no further action required" notice to property owners and occupants of adjacent properties and several other parties. The names of adjacent property owners was compiled by Environmental Hydrogeological Consultants, Inc. on or before February 22, 2001 (at least two years ago). Nesco Environmental believes that this list of should be recompiled because ownership may have changed on some of the properties given the time that has passed.

Environmental and Geologic Services

6736 Rocky Falls Road ■ Charlotte, NC 28211 ■ Phone/Fax 704-442-1365

2.0 Proposed Activities

Nesco Environmental will visit the Robeson County Register of Deeds to obtain a copy of the current deed for the subject property including its legal description. The legal description of the property is required for the "Notice of Residual Petroleum". Nesco Environmental will visit the Robeson County Tax Office to obtain the names and addresses of the owners of record for the adjacent properties.

Nesco Environmental will visit the area surrounding the subject site and hand deliver copies of the "no further action required" notice to occupants of the adjacent properties. In addition, Nesco Environmental will post copies of the "no further action required" notice on utility poles in the area. The pages of the notice will be laminated or covered in plastic to prevent deterioration from weather. Nesco Environmental will send copies of this notice to owners of the adjacent properties via certified mail (return-receipt-requested). Three weeks after mailing, Nesco Environmental will submit copies of returned receipts (green cards) to NCDENR.

Nesco Environmental will prepare a "Notice of Residual Petroleum" for the subject site. Nesco Environmental will forward the original to NCDENR for review, approval, and execution. Once the executed document is returned to Nesco Environmental, Nesco Environmental will file the document with the Robeson County Register of Deeds.

3.0 Schedule

Nesco Environmental anticipates initiating the proposed activities immediately upon receiving authorization to proceed. Nesco Environmental anticipates completing the proposed activities within two months of receiving authorization.

4.0 Anticipated Costs

Below is a summary of anticipated charges for which Oliver Oil Company will seek reimbursement.

Mr. Gene Jackson
April 18, 2003
Page 3

Cost for Site Reconnaissance/Survey Update (STF Code 1.025) 1 event @ \$500/event	\$500.00
Costs for Public Notification (STF Code 6.082) 1 event @ \$390/event	\$390.00
Cost for Clean-up Verification Monitoring Report (STF Code 6.174) 1 event @ \$983/event	\$983.00
Travel (one person) (STF Code 12.010) 1 round trip @ 250 miles/roundtrip @ \$1.30/mile	\$325.00
ANTICIPATED EXPENSES	\$2,198.00

Enclosed is a Pre-Approval Task Authorization form for these anticipated costs. Please review these documents and respond at your earliest convenience. If you have questions or comments, please contact me at (704) 442-1365.

Sincerely,

NESCO ENVIRONMENTAL, P.L.L.C.


Joseph P. Nestor, P.G., P.E.
President

cc: Chris Oliver – Oliver Oil Company

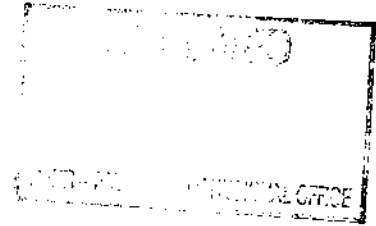
JPN\jpn 030418

NESCO

Environmental

May 29, 2003

Mr. Gene Jackson
NCDENR – UST Section
Fayetteville Regional Office
225 Green Street
Fayetteville, NC 28301



#21728

Re: Notice of Residual Petroleum (Deed Restriction)
Sun-Do 41
Highway 41 South
Lumberton, North Carolina

Dear Mr. Jackson:

Nesco Environmental, P.L.L.C. prepared this correspondence on behalf of Oliver Oil Company. Please find the enclosed copy of a Notice of Residual Petroleum which has been recorded by the Robeson County Register of Deeds. Also attached are copies of letters of notifications that were forwarded to the Roberson County Health Director, the Robeson County Manager and owners of record for adjoining properties. A total of nine letters were mailed by certified mail return-receipt-requested. Nesco Environmental received receipts ("green cards") for seven of these letters. Nesco Environmental did not receive receipts for letters addressed to the City of Lumberton or Randy King. The post office indicates that neither of these two addressees picked up their certified letters. On May 28, 2003, Nesco Environmental hand delivered copies of the notification letter to the City of Lumberton and Randy King.

On May 28, 2003, Nesco Environmental posted copies of the notification letter on utility poles at the Sun Do 41 site. The pages of the notification letter were laminated to protect them from the weather. The attached photographs show how the notification letter was posted. In addition, Nesco Environmental hand delivered a copy of the notification letter to King's Learning Center at 3711 Quail Run Road which is located on a property adjoining the Sun Do 41 site. Structures are not located on other properties that adjoin the Sun Do 41 site.

Environmental and Geologic Services

6736 Rocky Falls Road ■ Charlotte, NC 28211 ■ Phone/Fax 704-442-1365

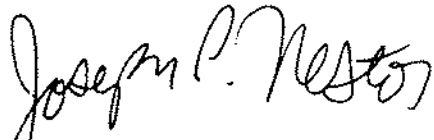
Mr. Gene Jackson
NCDENR
May 29, 2003
Page 2

Nesco Environmental believes that the submittal of this correspondence documents that Oliver Oil Company has met the filing and public notification requirements outlined in your March 3, 2003 Notice of No Further Action to Oliver Oil Company. If this is not the case, please notify Nesco Environmental as soon as possible so this matter may be resolved.

If you have any questions or comments, please contact me at (704) 442-1365.

Sincerely,

NESCO ENVIRONMENTAL, P.L.L.C.

A handwritten signature in black ink that reads "Joseph P. Nestor". The signature is written in a cursive, flowing style.

Joseph P. Nestor, P.G., P.E.
President

JPN/jpn 030529

FILED R OF D
VICKI L. LOCKLEAR

2003 MAY 28 PM 12 49

ROBESON COUNTY

NOTICE OF RESIDUAL PETROLEUM

Sun Do No. 41, Robeson County, North Carolina
(Site name)

The property that is the subject of this Notice (hereinafter referred to as the "Site") contains residual petroleum and is an Underground Storage Tank (UST) incident under North Carolina's Statutes and Regulations, which consist of N.C.G.S. 143-215.94 and regulations adopted thereunder. This Notice is part of a remedial action for the Site that has been approved by the Secretary (or his/her delegate) of the North Carolina Department of Environment and Natural Resources (or its successor in function), as authorized by N.C.G.S. Section 143B-279.9 and 143B-279.11. The North Carolina Department of Environment and Natural Resources shall hereinafter be referred to as "DENR".

NOTICE

Petroleum product was released and/or discharged at the Site. Petroleum constituents remain on the site, but are not a danger to public health and the environment, provided that the restrictions described herein, and any other measures required by DENR pursuant to N.C.G.S. Sections 143B-279.9 and 143B-279.11, are strictly complied with. This "Notice of Residual Petroleum" is composed of a description of the property, the location of the residual petroleum and the land use restrictions on the Site. The Notice has been approved and notarized by DENR pursuant to N.C.G.S. Sections 143B-279.9 and 143B-279.11 and has/shall be recorded at the Robeson Register of Deeds' office Book ____, Page ____.

Return to: J. Nestor
Nesco Environmental, PLLC
6736 Rocky Falls Road
Charlotte, NC 28211

Source Property

Lawrence H. and Doris Oliver of Lumberton, North Carolina is the owner in fee
(Owner's name) (city & state of homeowner)
 simple of all or a portion of the Site, which is located in the County of Robeson, State of North Carolina, and is known and legally described as:

All that certain lot or parcel of land situated in the City of Smyrna Township, Robeson County, North Carolina and more particularly described as follows:

BEGINNING at the intersection of Highway NC 41 and Quail Run Road, said beginning point located in the southeastern edge of the right of way of Highway NC 41 and the northeastern edge of the right of way of Quail Run Road and runs thence with the northeastern edge of the right of way of Quail Run Road the following calls: South 46 degrees 38 minutes East 135.5 feet to a pipe, said pipe being the point of curvature of Curve No. 1 having a Delta angle of 38 degrees 18 minutes 23 seconds and a radius of 57.58 feet; thence; along said curve to the left an arc distance of 18.44 feet to a pipe, the point of tangency of Curve No. 1; thence from said pipe South 84 degrees 56 minutes 23 seconds East 75.33 feet to a pipe in the northern edge of the right of way of Quail Run Road; thence North 05 degrees 03 minutes 37 seconds East 198.97 feet with the west line of Lot A-1 of Quail Acres to a stake in a ditch in the south line of a tract of land owned by Ivey and Hayes as recorded in Book 18-A, Page 262 of the Robeson County Registry; thence with the Ivey-Hayes line North 84 degrees 32 minutes West 111.87 feet to a pipe in the southeastern edge of the right of way of Highway NC 41; thence with the edge of said right of way South 43 degrees 22 minutes west 140 feet to the beginning, being the same as Lot A as shown on a map of Quail Acres by David R. Goldston, Jr., Registered Surveyor, and recorded in the Robeson County Registry in Map Book 24, Page 97.

And being the same lot conveyed to Sylvester W. Wooten and wife Eveland J. Wooten by deed from Harold E. Blanchard and wife Gerda C. Blanchard dated October 15, 1980, and recorded in Deed Book 483, at page 50, in the Robeson County Registry.

For protection of public health and the environment, the following land use restrictions required by N.C.G.S. Section 143B-279.9(b) shall apply to all of the above-described real property. These restrictions shall continue in effect as long as residual petroleum remains on the site in excess of unrestricted use standards and cannot be amended or cancelled unless and until the Robeson County Register of Deed receives and records the written concurrence of the Secretary (or his/her delegate) of DENR (or its successor in function).

PERPETUAL LAND USE RESTRICTIONS

Soil: *The Site shall be used for industrial/commercial use only. Industrial/commercial use means a use where exposure to soil contamination is limited in time and does not involve exposure to children or other sensitive populations such as the elderly or sick. The real property shall not be developed or utilized for residential purposes including but not limited to: primary or secondary residences (permanent or temporary), schools, daycare centers, nursing homes, playgrounds, parks, recreation areas and/or picnic areas.*

Groundwater: *Groundwater from the site is prohibited from use as a water supply. Water supply wells of any kind shall not be installed or operated on the site.*

ENFORCEMENT

The above land use restriction(s) shall be enforced by any owner, operator, or other party responsible for the Site. The above land use restriction(s) may also be enforced by DENR through any of the remedies provided by law or by means of a civil action, and may also be enforced by any unit of local government having jurisdiction over any part of the Site. Any attempt to cancel this Notice without the approval of DENR (or its successor in function) shall be subject to enforcement by DENR to the full extent of the law. Failure by any party required or authorized to enforce any of the above restriction(s) shall in no event be deemed a waiver of the right to do so thereafter as to the same violation or as to one occurring prior or subsequent thereto.

IN WITNESS WHEREOF, Lawrence H. Oliver has caused this Notice to be executed pursuant to N.C.G.S. Sections 143B-279.9 and 143B-279.11, this 19th day of May, 2003.

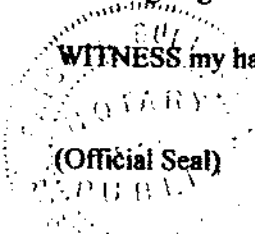
By: Lawrence H. Oliver
(signature of responsible party, attorney or other agent if there is one)

Signatory's name typed or printed: Lawrence H. Oliver

NORTH CAROLINA
Robeson COUNTY

I, Patsy R. Bullwack, a Notary Public for said County and State, do hereby certify that Lawrence H. Oliver personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

WITNESS my hand and official seal, this the 19 day of May, 2003.



Patsy R. Bullwack
Notary Public (signature)

My commission expires 4/24/04, 20 ."

Gene Jackson
(signature of Regional Supervisor)

GENE JACKSON, Regional Supervisor

(printed name of Regional Supervisor)

Fayetteville Regional Office

(name of Region)

UST Section

Division of Waste Management

Department of Environment and Natural Resources

NORTH CAROLINA

Robeson COUNTY

I, Kenneth E. Currie, a Notary Public of said County and State, do hereby certify that

(name of Notary Public)

Gene Jackson did personally appear and sign before me this 22nd day of

(name of Regional Supervisor)

May, 2003.

Kenneth E. Currie

Notary Public (signature)

(Official Seal)

My commission expires November 21, 2004



North Carolina Robeson County
The foregoing certificate of

Patsy R. Bullock, Kenneth E. Currie
is certified to be correct (Notary, Notary Public)

This 28th day of May, 2003

Barbara H. Swann Deputy/Asst-
Vicki L. Locklear Register of Deeds

North Carolina
Department of Environment and Natural Resources
Division of Waste Management
Underground Storage Tank Section
Fayetteville Regional Office



Michael F. Easley, Governor
William G. Ross Jr, Secretary
Dexter R. Matthews, Director

March 3, 2003

CERTIFIED MAIL

RETURN RECEIPT REQUESTED 7099 3400 0011 1133 5890

Mr. Christopher Oliver
Oliver Oil Company
1811 East Fifth Street
Lumberton, NC 28358

Re: Notice of No Further Action
15A NCAC 2L .0115(h)
Risk-Based Assessment and Corrective Action for Petroleum Underground Storage Tanks
Sun Do No. 41
3623 Martin Luther King Jr. Drive
Lumberton, Robeson County
Incident # 21728
Intermediate Risk Classification

Dear Mr. Oliver:

The Underground Storage Tank (UST) Section, Division of Waste Management, Fayetteville Regional Office has received a Clean-up Verification Report for the above-referenced site. A review of the report shows that soil contamination does not exceed the residential or soil-to-groundwater maximum soil contaminant concentrations and groundwater contamination meets the cleanup requirements for a Low risk site. The UST Section finds it appropriate to lower the risk classification of the release from intermediate to low. No further assessment or remedial actions are required at this time. However, please be advised that because groundwater contamination still exceeds the groundwater quality standards established in 15A NCAC 2L .0202, groundwater within the area of contamination or within the area where contamination is expected to migrate **is not suitable** for use as a water supply.

Pursuant to NCGS 143B-279.9 and 143B-279.11, you must file the approved Notice of Residual Petroleum (attached) with the Register of Deeds in the county in which the release is located and submit a certified copy to the UST Section within **30 days** of receipt of this letter. **This No Further Action Determination will not become valid until the UST Section receives a certified copy of the Notice of Residual Petroleum that is filed with the Register of Deeds and the public notice requirements outlined below are completed.**

Public notice in accordance with 15A NCAC 2L .0115(k) is required as follows. Within 30 days of receipt of this no further action letter, you must provide a copy of this letter to the following persons:

- = Local health director;
- = Chief administrative officer (i.e., Mayor, Chairman of the County Commissioners, County Manager, City Manager or other official of equal or similar position) of each political jurisdiction in which the contamination occurs;
- = All property owners and occupants within or contiguous to the area containing contamination; and
- = All property owners and occupants within or contiguous to the area where the contamination is expected to migrate.

Copies of this no further action letter must be sent to the persons listed above by certified mail. If it is impractical to provide this public notice by certified mail to the occupants of apartment buildings, condominiums, office buildings, etc., you may post a copy of this letter in a prominent place where the occupants are most likely to see it.

Within 60 days of receiving this no further action letter, you must provide the UST Section Fayetteville Regional Office with proof of receipt of the copy of the letter or of refusal by the addressee to accept delivery of the copy of the letter. If a copy of the letter is posted, you must provide the UST Section with a description of the manner in which the letter was posted.

Interested parties may examine the Site Closure Report by contacting Gene Jackson at (910) 486-1541. In addition, the UST Section Fayetteville Regional Office has the Site Clean-up Verification Report along with other site information on file and available for public review. Interested parties may arrange to review this information by contacting the project manager at the regional office listed below. In addition, comments on the Site Closure Report may be submitted to the regional office.


Gene Jackson
NCDENR / DWM / UST Section
225 Green Street, Suite 714
Fayetteville, NC 28301-5043
(910) 486-1541

Pursuant to 15A NCAC 2L .0115(e), you have a continuing obligation to notify the UST Section of any changes that you know of or should know of, that might affect the level of risk assigned to the discharge or release. Such changes include, but are not limited to, changes in zoning of real property, use of real property or the use of groundwater that has been contaminated or is expected to be contaminated by the discharge or release, if such change could cause the UST Section to reclassify the risk. Please note that this responsibility not only pertains to changes involving the

property on which the release occurred, but to changes involving the surrounding properties as well.

Please be advised that you should close any monitoring wells or injection wells used to investigate or remediate this incident in accordance with 15A NCAC 2C .0113 and .0214, respectively. For guidance on closure of infiltration galleries, please contact The Division of Water Quality, Groundwater Section at Fayetteville Regional Office. Should you have any questions concerning this letter, please contact me at (910) 486-1541.

Sincerely,



Gene Jackson
Fayetteville Regional Office

Attachments: Notice of Residual Petroleum
15A NCAC 2C .0113
15A NCAC 2C .0214
Well Abandonment Form

cc: Joe Nestor – NESCO Environmental – 6736 Rocky Falls Rd. – Charlotte, NC 28211
Fro Files

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr Kenneth Windley
 Robeson County Manager
 County Courthouse
 701 North Elm Street
 Lumberton, NC 28358-4891

2. Article Number
(Transfer from service label)

7003 0500 0004 2941 9897

PS Form 3811, August 2001

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 Addressee

B. Received by (*Printed Name*) C. Date of Delivery

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type

Certified Mail Express Mail

Registered Return Receipt for Merchandise

Insured Mail C.O.D.

4. Restricted Delivery? (*Extra Fee*) Yes

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

7003 0500 0004 2941 9897



2696 7462 4004 0050 8002

**U.S. Postal Service™
 CERTIFIED MAIL™ RECEIPT**
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark
 Hays

Sent To *Mr. Kenneth N. Windley*
 Robeson County Manager
 County Courthouse
 701 North Elm Street
 Lumberton, NC 28358-4891

PS Form 3800, June 2002

See Reverse for Instructions

NESCO

Environmental

May 7, 2003

CERTIFIED MAIL

7003 0500 0004 2941 9897

RETURN RECEIPT REQUESTED

Mr. Kenneth N. Windley
Robeson County Manager
County Courthouse
701 North Elm Street
Lumberton, NC 28358-4891

Re: Notice of No Further Action
Oliver Oil Company
Sun Do No. 41
3623 Martin Luther King, Jr. Drive
Lumberton, North Carolina
Robeson County
NCDENR Ground Water Incident No. 21728


Dear Mr. Kenneth N. Windley:

Nesco Environmental, P.L.L.C. (Nesco Environmental) This letter is to inform you that the North Carolina Division of Waste Management has issued a "Notice of No Further Action" for the referenced site. State rules governing groundwater classifications and standards (15A NCAC 2L .0115 [k]), require that you be forwarded a copy of this notice. A copy of this notice is attached. This correspondence is intended to satisfy the requirements of this rule.

If you have questions or comments, you may contact me at (704) 442-1365.

Sincerely,

NESCO ENVIRONMENTAL, P.L.L.C.


Joseph P. Nestor, P.G., P.E.
President

Environmental and Geologic Services

6736 Rocky Falls Road ■ Charlotte, NC 28211 ■ Phone/Fax 704-442-1365

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

MR. William Smith
 Robeson County Health Director
 460 Country Club Road
 Lumberton, NC 28360

2. Article Number
 (Transfer from service label)

7003 0500 0004 2941 9903

PS Form 3811, August 2001

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes



7003 0500 0004 2941 9903



7003 0500 0004 2941 9903

**U.S. Postal Service™
 CERTIFIED MAIL™ RECEIPT**
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL MAIL

Postage \$	
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees \$	

Postmark Here

Sent To **Mr. William Smith**
 Street Apt. No. **Robeson County Health Director**
 or PO Box No. **460 Country Club Road**
 City, State, ZIP+4 **Lumberton, NC 28360**

PS Form 3800, June 2002 See Reverse for Instructions

NESCO

Environmental

May 7, 2003

CERTIFIED MAIL

7003 0500 0004 2941 9903

RETURN RECEIPT REQUESTED

Mr. William Smith
Robeson County Health Director
460 Country Club Road
Lumberton, NC 28360

Re: Notice of No Further Action
Oliver Oil Company
Sun Do No. 41
3623 Martin Luther King, Jr. Drive
Lumberton, North Carolina
Robeson County
NCDENR Ground Water Incident No. 21728

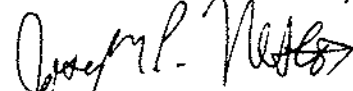
Dear Mr. Smith:

Nesco Environmental, P.L.L.C. (Nesco Environmental) This letter is to inform you that the North Carolina Division of Waste Management has issued a "Notice of No Further Action" for the referenced site. State rules governing groundwater classifications and standards (15A NCAC 2L .0115 [k]), require that you be forwarded a copy of this notice. A copy of this notice is attached. This correspondence is intended to satisfy the requirements of this rule.

If you have questions or comments, you may contact me at (704) 442-1365.

Sincerely,

NESCO ENVIRONMENTAL, P.L.L.C.



Joseph P. Nestor, P.G., P.E.

President

JPN/jpn 030507

Environmental and Geologic Services

6736 Rocky Falls Road ■ Charlotte, NC 28211 ■ Phone/Fax 704-442-1365

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Teddy Dale Parker
PO Box 1366
Lumberton, NC 28359

2. Article Number
(Transfer from service label)

7003 0500 0004 2941 9910

PS Form 3811, August 2001

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

- A. Signature Agent
 Addressee
- B. Received by (Printed Name) _____ C. Date of Delivery _____
- D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type
- Certified Mail Express Mail
- Registered Return Receipt for Merchandise
- Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes No

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

CERTIFIED MAIL™



7003 0500 0004 2941 9910

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage \$	
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees \$	

Sent To: Mr. Teddy Dale Parker

Street, Apt. No., PO Box 1366
or PO Box No. _____
City, State, ZIP+4 Lumberton, NC 28359

Postmark Here

PS Form 3800, June 2002 See Reverse for Instructions

NESCO

Environmental

May 7, 2003

CERTIFIED MAIL

7003 0500 0004 2941 9910

RETURN RECEIPT REQUESTED

Mr. Teddy Dale Parker

PO Box 1366

Lumberton, NC 28359

Re: Notice of No Further Action
Oliver Oil Company
Sun Do No. 41
3623 Martin Luther King, Jr. Drive
Lumberton, North Carolina
Robeson County
NCDENR Ground Water Incident No. 21728

Dear Mr. Smith:

Nesco Environmental, P.L.L.C. (Nesco Environmental) This letter is to inform you that the North Carolina Division of Waste Management has issued a "Notice of No Further Action" for the referenced site. Because the property that you own or occupy is located within or contiguous to an area containing contamination or within or contiguous to an area where the contamination is expected to migrate, the State rules governing groundwater classifications and standards (15A NCAC 2L .0115 [k]), require that you be provided a copy of this notice. A copy of this notice is attached. This correspondence is intended to satisfy the requirements of this rule.

If you have questions or comments, you may contact me at (704) 442-1365.

Sincerely,

NESCO ENVIRONMENTAL, P.L.L.C.


Joseph P. Nestor, P.G., P.E.

President

JPN/jpn 030507

Environmental and Geologic Services

6736 Rocky Falls Road ■ Charlotte, NC 28211 ■ Phone/Fax 704-442-1365

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

City of Lumberton
 Finance Office
 501 East Fifth Street, P.O. Box 1388
 Lumberton, N.C. 28359-1388

2. Article Number
 (Transfer from service label)

7003 0500 0004 2941 9927

PS Form 3811, August 2001

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

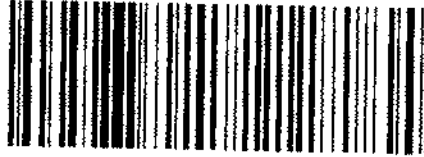
3. Service Type

Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes



7003 0500 0004 2941 9927



7003 0500 0004 2941 9927

**U.S. Postal Service™
 CERTIFIED MAIL™ RECEIPT**
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

Postage \$	
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees \$	

Postmark Here

Sent To

Finance Office - City of Lumberton
 Street, Apt. No. 501 East Fifth Street, P.O. Box 1388
 or PO Box No. Lumberton, N.C. 28359-1388
 City, State, ZIP+4

PS Form 3800, June 2002

See Reverse for Instructions

NESCO

Environmental

May 7, 2003

CERTIFIED MAIL

7003 0500 0004 2941 9927

RETURN RECEIPT REQUESTED

City of Lumberton

Finance Office

501 East Fifth Street; P.O. Box 1388

Lumberton, N.C. 28359-1388

Re: Notice of No Further Action

Oliver Oil Company

Sun Do No. 41

3623 Martin Luther King, Jr. Drive

Lumberton, North Carolina

Robeson County

NCDENR Ground Water Incident No. 21728

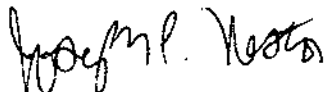
Dear Sir/Madame:

Nesco Environmental, P.L.L.C. (Nesco Environmental) This letter is to inform you that the North Carolina Division of Waste Management has issued a "Notice of No Further Action" for the referenced site. Because the property that you own or occupy is located within or contiguous to an area containing contamination or within or contiguous to an area where the contamination is expected to migrate, the State rules governing groundwater classifications and standards (15A NCAC 2L .0115 [k]), require that you be provided a copy of this notice. A copy of this notice is attached. This correspondence is intended to satisfy the requirements of this rule.

If you have questions or comments, you may contact me at (704) 442-1365.

Sincerely,

NESCO ENVIRONMENTAL, P.L.L.C.



Joseph P. Nestor, P.G., P.E.

President

JPN/jpn 030507

Environmental and Geologic Services

6736 Rocky Falls Road ■ Charlotte, NC 28211 ■ Phone/Fax 704-442-1365

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

**H. E. Blanchard
257 North Powell Street
Whiteville, NC 28472**

COMPLETE THIS SECTION ON DELIVERY

- A. Signature Agent
 Addressee
- B. Received by (Printed Name) C. Date of Delivery
- D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

2. Article Number **7003 0500 0004 2941 9841**
(Transfer from service label)

PS Form 3811, August 2001

Domestic Return Receipt

102595-02-M-1540

7003 0500 0004 2941 9841



CERTIFIED MAIL™
PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

7003 0500 0004 2941 9841

**U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT**
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark Here

Sent To **H. E. Blanchard**

Street, Apt. No., **257 North Powell Street**
or PO Box No. **Whiteville, NC 28472**
City, State, ZIP+4

PS Form 3800, June 2002

See Reverse for Instructions

NESCO

Environmental

May 7, 2003

CERTIFIED MAIL

7003 0500 0004 2941 9941

RETURN RECEIPT REQUESTED

H. E. Blanchard
257 North Powell Street
Whiteville, NC 28472

Re: Notice of No Further Action
Oliver Oil Company
Sun Do No. 41
3623 Martin Luther King, Jr. Drive
Lumberton, North Carolina
Robeson County
NCDENR Ground Water Incident No. 21728

Dear Sir/Madame:

Nesco Environmental, P.L.L.C. (Nesco Environmental) This letter is to inform you that the North Carolina Division of Waste Management has issued a "Notice of No Further Action" for the referenced site. Because the property that you own or occupy is located within or contiguous to an area containing contamination or within or contiguous to an area where the contamination is expected to migrate, the State rules governing groundwater classifications and standards (15A NCAC 2L .0115 [K]), require that you be provided a copy of this notice. A copy of this notice is attached. This correspondence is intended to satisfy the requirements of this rule.

If you have questions or comments, you may contact me at (704) 442-1365.

Sincerely,

NESCO ENVIRONMENTAL, P.L.L.C.


Joseph P. Nestor, P.G., P.E.
President

JPN/jpn 030507

Environmental and Geologic Services

6736 Rocky Falls Road ■ Charlotte, NC 28211 ■ Phone/Fax 704-442-1365

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Harold C. Blanchard
257 North Powell Street
Whiteville, NC 28472

2. Article Number
 (Transfer from service label)

7003 0500 0004 2941 9958

PS Form 3811, August 2001

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent Addressee

B. Received by (Printed Name) _____ C. Date of Delivery _____

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

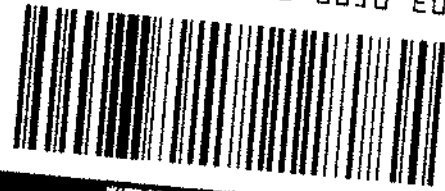
3. Service Type

Certified Mail Express Mail

Registered Return Receipt for Merchandise

Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes



CERTIFIED MAIL™

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

Postage \$	
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees \$	

Postmark Here

Sent To
 Street, Apt. No.;
 or PO Box No. **Harold C. Blanchard**
257 North Powell Street
 City, State, Zip+4 **Whiteville, NC 28472**

PS Form 3800, June 2002

See Reverse for Instructions

NESCO

Environmental

May 7, 2003

CERTIFIED MAIL

7003 0500 0004 2941 9958

RETURN RECEIPT REQUESTED

Harold C. Blanchard
257 North Powell Street
Whiteville, NC 28472

Re: Notice of No Further Action
Oliver Oil Company
Sun Do No. 41
3623 Martin Luther King, Jr. Drive
Lumberton, North Carolina
Robeson County
NCDENR Ground Water Incident No. 21728

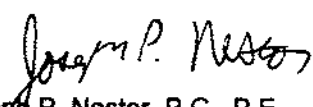
Dear Mr. Blanchard:

Nesco Environmental, P.L.L.C. (Nesco Environmental) This letter is to inform you that the North Carolina Division of Waste Management has issued a "Notice of No Further Action" for the referenced site. Because the property that you own or occupy is located within or contiguous to an area containing contamination or within or contiguous to an area where the contamination is expected to migrate, the State rules governing groundwater classifications and standards (15A NCAC 2L .0115 [k]), require that you be provided a copy of this notice. A copy of this notice is attached. This correspondence is intended to satisfy the requirements of this rule.

If you have questions or comments, you may contact me at (704) 442-1365.

Sincerely,

NESCO ENVIRONMENTAL, P.L.L.C.


Joseph P. Nestor, P.G., P.E.
President

JPN/jpn 030507

Environmental and Geologic Services

6736 Rocky Falls Road ■ Charlotte, NC 28211 ■ Phone/Fax 704-442-1365

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Annie Lois McRae
 2126 Nevada Street
 Lumberton, NC 28358

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type

Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
 4. Restricted Delivery? (Extra Fee) Yes

2. Article Number **7003 0500 0004 2941 9934**
(Transfer from service label)

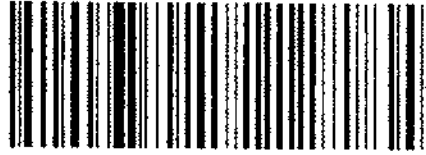
PS Form 3811, August 2001

Domestic Return Receipt

102595-02-M-1540



7003 0500 0004 2941 9934



2934 7462 4000 0050 2002
 9347 7462 4000 0050 2002

**U.S. Postal Service™
 CERTIFIED MAIL™ RECEIPT**
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark Here

Sent To **Annie Lois McRae**
 Street, Apt. No. **2126 Nevada Street**
 or PO Box No. **Lumberton, NC 28358**
 City, State, Zip+3

PS Form 3800, June 2002 See Reverse for Instructions

NESCO

Environmental

May 7, 2003

CERTIFIED MAIL

7003 0500 0004 2941 9934

RETURN RECEIPT REQUESTED

Annie Lois McRae
2126 Nevada Street
Lumberton, NC 28358

Re: Notice of No Further Action
Oliver Oil Company
Sun Do No. 41
3623 Martin Luther King, Jr. Drive
Lumberton, North Carolina
Robeson County
NCDENR Ground Water Incident No. 21728

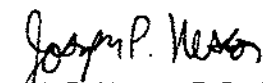
Dear Ms McRae:

Nesco Environmental, P.L.L.C. (Nesco Environmental) This letter is to inform you that the North Carolina Division of Waste Management has issued a "Notice of No Further Action" for the referenced site. Because the property that you own or occupy is located within or contiguous to an area containing contamination or within or contiguous to an area where the contamination is expected to migrate, the State rules governing groundwater classifications and standards (15A NCAC 2L .0115 [k]), require that you be provided a copy of this notice. A copy of this notice is attached. This correspondence is intended to satisfy the requirements of this rule.

If you have questions or comments, you may contact me at (704) 442-1365.

Sincerely,

NESCO ENVIRONMENTAL, P.L.L.C.


Joseph P. Nestor, P.G., P.E.
President

JPN/jpn 030507

Environmental and Geologic Services

6736 Rocky Falls Road ■ Charlotte, NC 28211 ■ Phone/Fax 704-442-1365

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Randy King
904 Spruce Street
Lumberton, NC 28358

2. Article Number **7003 0500 0004 2941 9965**
(Transfer from service label)

PS Form 3811, August 2001

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

Agent
 Addressee

B. Received by (Printed Name) C. Date of Delivery

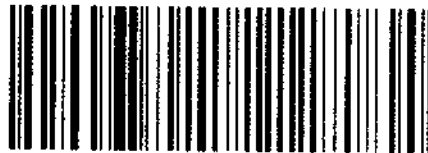
D. Is delivery address different from item 1? Yes
 if YES, enter delivery address below: No

3. Service Type

Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

7003 0500 0004 2941 9965



7003 0500 0004 2941 9965

CERTIFIED MAIL™
 OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

Postage \$	
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees \$	

Postmark Here

Sent To **Mr. Randy King**
904 Spruce Street
 or PO Box No
 City, State **Lumberton, NC 28358**

PS Form 3800, June 2002

See Reverse for Instructions

NESCO

Environmental

May 7, 2003

CERTIFIED MAIL

7003 0500 0004 2941 9965

RETURN RECEIPT REQUESTED

Mr. Randy King
904 Spruce Street
Lumberton, NC 28358

Re: Notice of No Further Action
Oliver Oil Company
Sun Do No. 41
3623 Martin Luther King, Jr. Drive
Lumberton, North Carolina
Robeson County
NCDENR Ground Water Incident No. 21728

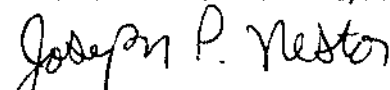
Dear Mr. King:

Nesco Environmental, P.L.L.C. (Nesco Environmental) This letter is to inform you that the North Carolina Division of Waste Management has issued a "Notice of No Further Action" for the referenced site. Because the property that you own or occupy is located within or contiguous to an area containing contamination or within or contiguous to an area where the contamination is expected to migrate, the State rules governing groundwater classifications and standards (15A NCAC 2L .0115 [k]), require that you be provided a copy of this notice. A copy of this notice is attached. This correspondence is intended to satisfy the requirements of this rule.

If you have questions or comments, you may contact me at (704) 442-1365.

Sincerely,

NESCO ENVIRONMENTAL, P.L.L.C.



Joseph P. Nestor, P.G., P.E.

President

JPN/jpn 030507

Environmental and Geologic Services

6736 Rocky Falls Road ■ Charlotte, NC 28211 ■ Phone/Fax 704-442-1365

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Director
 King's Learning Center
 3711 South Martin Luther
 King Jr. Drive
 Lumberton, NC 28358

2. Article Number
 (transfer from service label)

7003 0500 0004

PS Form 3811, August 2001

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

- A. Signature Agent
 Addressee
- B. Received by (Printed Name) C. Date of Delivery
- D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

2941 9972

CERTIFIED MAIL™
 PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
 OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

7003 0500 0004 2941 9972



2266 7462 4000 0050 E002
 2266 7462 4000 0050 E002

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com.

7003 0500 0004 2941 9972

Postage \$	
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees \$	

Postmark Here

Sent to
 Director King's Learning Center
 Street, Apt. No. 3711 S Martin Luther King Jr. Dr.
 City, State, ZIP+4 Lumberton NC 28358

See Reverse for Instructions

NESCO

Environmental

May 7, 2003

CERTIFIED MAIL

7003 0500 0004 2941 9910

RETURN RECEIPT REQUESTED

Mr. Teddy Dale Parker
PO Box 1366
Lumberton, NC 28359

Re: Notice of No Further Action
Oliver Oil Company
Sun Do No. 41
3623 Martin Luther King, Jr. Drive
Lumberton, North Carolina
Robeson County
NCDENR Ground Water Incident No. 21728

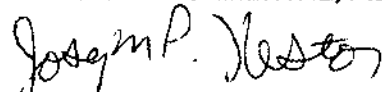
Dear Mr. Smith:

Nesco Environmental, P.L.L.C. (Nesco Environmental) This letter is to inform you that the North Carolina Division of Waste Management has issued a "Notice of No Further Action" for the referenced site. Because the property that you own or occupy is located within or contiguous to an area containing contamination or within or contiguous to an area where the contamination is expected to migrate, the State rules governing groundwater classifications and standards (15A NCAC 2L .0115 [k]), require that you be provided a copy of this notice. A copy of this notice is attached. This correspondence is intended to satisfy the requirements of this rule.

If you have questions or comments, you may contact me at (704) 442-1365.

Sincerely,

NESCO ENVIRONMENTAL, P.L.L.C.



Joseph P. Nestor, P.G., P.E.
President

JPN/jpn 030507

Environmental and Geologic Services

6736 Rocky Falls Road ■ Charlotte, NC 28211 ■ Phone/Fax 704-442-1365

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE
 LUMBERTON NC 28358

Postage	\$ 40.37
Certified Fee	\$ 2.30
Return Receipt Fee (Endorsement Required)	\$ 1.75
Restricted Delivery Fee (Endorsement Required)	\$ 0.00
Total Postage & Fees	\$ 44.42

ATHEWS NC 28105
 0816
 01 Postmark Here
MAY 07 2003
 05/07/2003
 USPS

Sent To
 Director Kings Learning Center
 Street, Apt. No., or PO Box No. 3711 S. Martha Luther King Jr. Dr.
 City, State, ZIP+4 Lumberton NC 28358

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE
 LUMBERTON NC 28358

Postage	\$ 40.37
Certified Fee	\$ 2.30
Return Receipt Fee (Endorsement Required)	\$ 1.75
Restricted Delivery Fee (Endorsement Required)	\$ 0.00
Total Postage & Fees	\$ 44.42

ATHEWS NC 28105
 0816
 01 Postmark Here
MAY 07 2003
 05/07/2003
 USPS

Sent To
 Mr. William Smith
 Robeson County Health Director
 Street, Apt. No., or PO Box No. 460 Country Club Road
 City, State, ZIP+4 Lumberton, NC 28360

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE
 LUMBERTON NC 28358

Postage	\$ 40.37
Certified Fee	\$ 2.30
Return Receipt Fee (Endorsement Required)	\$ 1.75
Restricted Delivery Fee (Endorsement Required)	\$ 0.00
Total Postage & Fees	\$ 44.42

ATHEWS NC 28105
 0816
 01 Postmark Here
MAY 07 2003
 05/07/2003
 USPS

Sent To
 Finance Office - City of Lumberton
 Street, Apt. No., or PO Box No. 501 East Fifth Street, P.O. Box 1388
 City, State, ZIP+4 Lumberton, N.C. 28359-1388

7003 0500 0004 2941 9897

CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE
 LUMBERTON NC 28358

Postage	\$ 40.37
Certified Fee	\$ 2.30
Return Receipt Fee (Endorsement Required)	\$ 1.75
Restricted Delivery Fee (Endorsement Required)	\$ 0.00
Total Postage & Fees	\$ 44.42

ATHEWS NC 28105
 0816
 01 Postmark Here
MAY 07 2003
 05/07/2003
 USPS

Sent To
 Mr. Kenneth N. Windsor
 Robeson County Manager
 Street, Apt. No., or PO Box No. 701 North Elm Street
 City, State, ZIP+4 Lumberton NC 28358-4891

PS Form 3800, June 2002 See Reverse for Instructions

7003 0500 0004 2941 9916

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE
 LUMBERTON NC 28358

Postage	\$ 40.37
Certified Fee	\$ 2.30
Return Receipt Fee (Endorsement Required)	\$ 1.75
Restricted Delivery Fee (Endorsement Required)	\$ 0.00
Total Postage & Fees	\$ 44.42

ATHEWS NC 28105
 0816
 01 Postmark Here
MAY 07 2003
 05/07/2003
 USPS

Sent To
 Mr. Teddy Dale Parker
 Street, Apt. No., or PO Box No. PO Box 1366
 City, State, ZIP+4 Lumberton, NC 28359

PS Form 3800, June 2002 See Reverse for Instructions

7003 0500 0004 2941 9956

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE
 WHITEVILLE NC 28472

Postage	\$ 40.37
Certified Fee	\$ 2.30
Return Receipt Fee (Endorsement Required)	\$ 1.75
Restricted Delivery Fee (Endorsement Required)	\$ 0.00
Total Postage & Fees	\$ 44.42

ATHEWS NC 28105
 0816
 01 Postmark Here
MAY 07 2003
 05/07/2003
 USPS

Sent To
 Harold C. Blanchard
 Street, Apt. No., or PO Box No. 257 North Powell Street
 City, State, ZIP+4 Whiteville, NC 28472

PS Form 3800, June 2002 See Reverse for Instructions

7003 0500 0004 2941 9927

7003 0500 0004 2941 9941

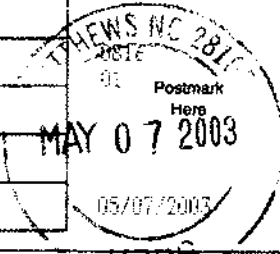
CERTIFIED MAIL™ RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

7003 0500 0004 2941 9941

Postage	\$ 40.37
Certified Fee	\$ 2.30
Return Receipt Fee (Endorsement Required)	\$ 1.75
Restricted Delivery Fee (Endorsement Required)	\$ 0.00
Total Postage & Fees	\$ 44.42



Sent To **H. E. Blanchard**
 Street, Apt. No., or PO Box No. **257 North Power Street**
 City, State, ZIP+4 **Whiteville, NC 28472**

PS Form 3800, June 2002 See Reverse for Instructions

7003 0500 0004 2941 9941

CERTIFIED MAIL™ RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

7003 0500 0004 2941 9941

Postage	\$ 40.37
Certified Fee	\$ 2.30
Return Receipt Fee (Endorsement Required)	\$ 1.75
Restricted Delivery Fee (Endorsement Required)	\$ 0.00
Total Postage & Fees	\$ 44.42



Sent To **Annie Lois McRae**
 Street, Apt. No., or PO Box No. **2128 Nevada Street**
 City, State, ZIP+4 **Lumberton, NC 28358**

PS Form 3800, June 2002 See Reverse for Instructions

7003 0500 0004 2941 9941

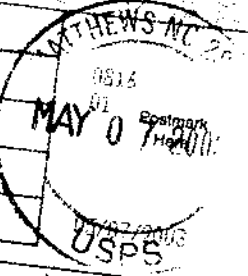
U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

7003 0500 0004 2941 9941

Postage	\$ 40.37
Certified Fee	\$ 2.30
Return Receipt Fee (Endorsement Required)	\$ 1.75
Restricted Delivery Fee (Endorsement Required)	\$ 0.00
Total Postage & Fees	\$ 44.42



Sent To **Randy King**
 Street, Apt. No., or PO Box No. **004 Spruce street**
 City, State, ZIP+4 **Lumberton, NC 28358**

PS Form 3800, June 2002 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:

Harold C. Blandford
257 North Powell Street
Whiteville, NC 28472

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent Addressee
X Harold C. Blandford

B. Received by (Printed Name) *HAROLD C. BLANDFORD* C. Date of Delivery *7/9*

D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

Article Number 7003 0500 0004 2941 9958
 (Transfer from service)

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:

Director
King's Learning Center
3711 South Martin Luther
King Jr. Drive
Lumberton, NC 28356

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent Addressee
Catherine Sinclair

B. Received by (Printed Name) *Catherine Sinclair* C. Date of Delivery *8/13*

D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

Article Number 7003 0500 0004 2941 9972 1972
 (Transfer from service lab)

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Annie Lois McRae
2126 Nevada Street
Lumberton, NC 28358

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent Addressee
X Annie Lois McRae

B. Received by (Printed Name) C. Date of Delivery *5-8-03*

D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

2. Article Number 7003 0500 0004 2941 9934
 (Transfer from service)

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:

Mr. Teddy Dale Parker
PO Box 1366
Lumberton, NC 28359

COMPLETE THIS SECTION ON DELIVERY

- A. Signature *Barbara W. Hayden* Agent Addressee
- B. Received by (Printed Name) *Barbara W. Hayden* C. Date of Delivery *5-8-03*
- D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

2. Article Number *7003 0500 0004 2941 9910*
(Transfer from service)

PS Form 3811, August 2001

Domestic Return Receipt

102595-02-M-1540

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:

MR. William Smith
Robeson County Health Director
460 Country Club Road
Lumberton, NC 28360

COMPLETE THIS SECTION ON DELIVERY

- A. Signature *Marcy Huning* Agent Addressee
- B. Received by (Printed Name) *Marcy Huning* C. Date of Delivery *5-8-03*
- D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

2. Article Number *7003 0500 0004 2941 9903*
(Transfer from service)

PS Form 3811, August 2001

Domestic Return Receipt

102595-02-M-1540

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Kenneth Windley
Robeson County Manager
County Courthouse
701 North Elm Street
Lumberton, NC 28358-4891

COMPLETE THIS SECTION ON DELIVERY

- A. Signature *K. Dalbreath* Agent Addressee
- B. Received by (Printed Name) C. Date of Delivery *5-8-03*
- D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

2. Article Number *7003 0500 0004 2941 9897*
(Transfer from service)

PS Form 3811, August 2001

Domestic Return Receipt

102595-02-M-1540

SENDER: COMPLETE THIS SECTION

- Complete Items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

H. E. Blanchard
 257 North Powell Street
 Whiteville, NC 28472

COMPLETE THIS SECTION FOR DELIVERY

A. Signature
 x *HC Blanchard* Agent Addressee

B. Received by (Printed Name) C. Date of Delivery
HC Blanchard *5/20/03*

D. Is delivery address different from Item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

2. Article Number
 (Transfer from st) 7003 0500 0004 2941 9941

NESCO

Environmental

May 29, 2003

Re: Notice of No Further Action
Oliver Oil Company
Sun Do No. 41
3623 Martin Luther King, Jr. Drive
Lumberton, North Carolina
Robeson County
NCDENR Ground Water Incident No. 21728

Dear To Whom It May Concern:

Nesco Environmental, P.L.L.C. (Nesco Environmental) prepared this letter to inform you that the North Carolina Division of Waste Management has issued a "Notice of No Further Action" for the referenced site. Because the property that you own or occupy is located within or contiguous to an area containing contamination or within or contiguous to an area where the contamination is expected to migrate, the State rules governing groundwater classifications and standards (15A NCAC 2L .0115 (k)), require that you be provided a copy of this notice. A copy of this notice is attached. This correspondence is intended to satisfy the requirements of this rule.

If you have questions or comments, you may contact me at (704) 442-1365.

Sincerely,

NESCO ENVIRONMENTAL, P.L.L.C.



Joseph P. Nestor, P.G., P.E.

President

JPN/jpn 030529

Environmental and Geologic Services

6736 Rocky Falls Road ■ Charlotte, NC 28211 ■ Phone/Fax 704-442-1365



[Home](#)

Track & Confirm

Delivery Status

You entered 7003 0500 0004 2941 9927

We attempted to deliver your item at 8:54 am on May 08, 2003 in LUMBERTON, NC 28359 and a notice was left. It can be redelivered or picked up at the Post Office. If the item is unclaimed, it will be returned to the sender. No further information is available for this item.

[Shipment History >](#)

Track & Confirm

Enter label number.

[Go >](#)

[Track & Confirm FAQs](#) [Go >](#)



POSTAL INSPECTORS
Preserving the Trust

[site map](#) [contact us](#) [government services](#)
Copyright © 1999-2002 USPS. All Rights Reserved. [Terms of Use](#) [Privacy Policy](#)





[Home](#)

Track & Confirm

Delivery Status

You entered 7003 0500 0004 2941 9965

We attempted to deliver your item at 12:57 pm on May 08, 2003 in LUMBERTON, NC 28358 and a notice was left. It can be redelivered or picked up at the Post Office. If the item is unclaimed, it will be returned to the sender. No further information is available for this item.

[Shipment History >](#)

Track & Confirm

Enter label number:

[Go >](#)

[Track & Confirm FAQs](#) [Go >](#)



POSTAL INSPECTORS
Preserving the Trust

[site](#) [map](#) [contact us](#) [government services](#)
Copyright © 1999-2002 USPS. All Rights Reserved. [Terms of Use](#) [Privacy Policy](#)



This form must be completed at the PS and compared against the customer's receipt. DO NOT FURNISH THIS FORM TO CUSTOMERS.

1a. For return to sender, ATTACH appropriate fee as shown in Section 932.2 of the DMM.

POSTAL SERVICE
MAY 20 2003

Mailing post office postmark to indicate for previously paid fee item 2

3. Mailing Date: 05-07-03

4. COD No.

5. Return Receipt for Merchandise No.

6. Registered No.

7. Insured No. 70030500 0004 2941 9927

8. Excess Mail No.

9a. Article Addressed To: City of Lumberton - Finance Office

9b. Postmark of Delivery Office

Certified Letters are held for 15 days at original address (line 10) completed.

PS Form 3811-A, Aug. 1988

U.S. Government Printing Office: 1981 - 282-484/4781

This form must be completed at the PS and compared against the customer's receipt. DO NOT FURNISH THIS FORM TO CUSTOMERS.

1a. For return to sender, ATTACH appropriate fee as shown in Section 932.2 of the DMM.

POSTAL SERVICE
MAY 20 2003

Mailing post office postmark to indicate for previously paid fee item 2

3. Mailing Date: 5-7-03

4. COD No.

5. Return Receipt for Merchandise No.

6. Registered No.

7. Insured No. 7003-0500 0004 2941 9965

8. Excess Mail No.

9a. Article Addressed To: Randy King

9b. Postmark of Delivery Office: LUMBERTON NC

Certified letters are held for 15 days. This letter was returned 5/8, 2nd notice 5/16 with return 5/23 1-6

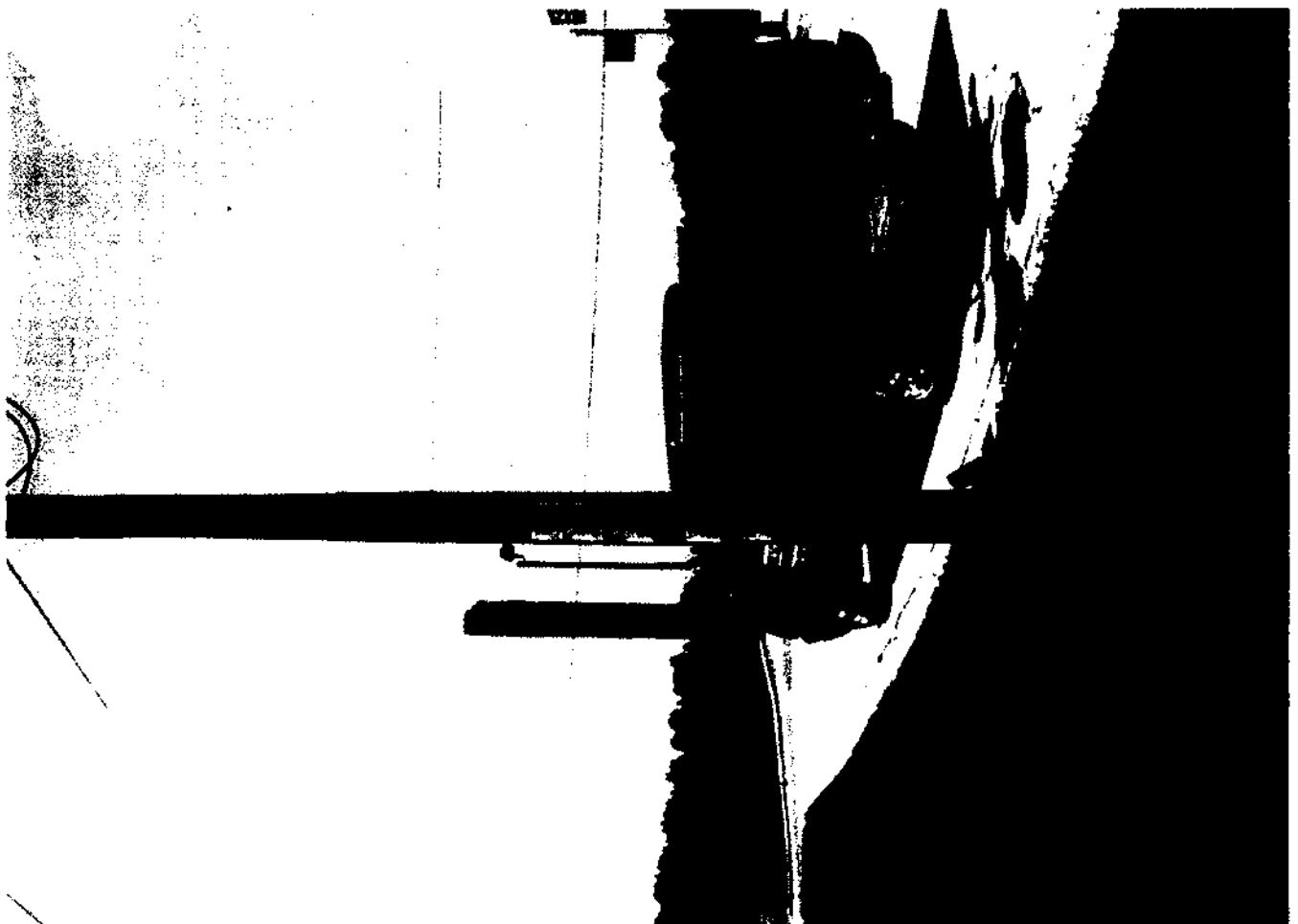
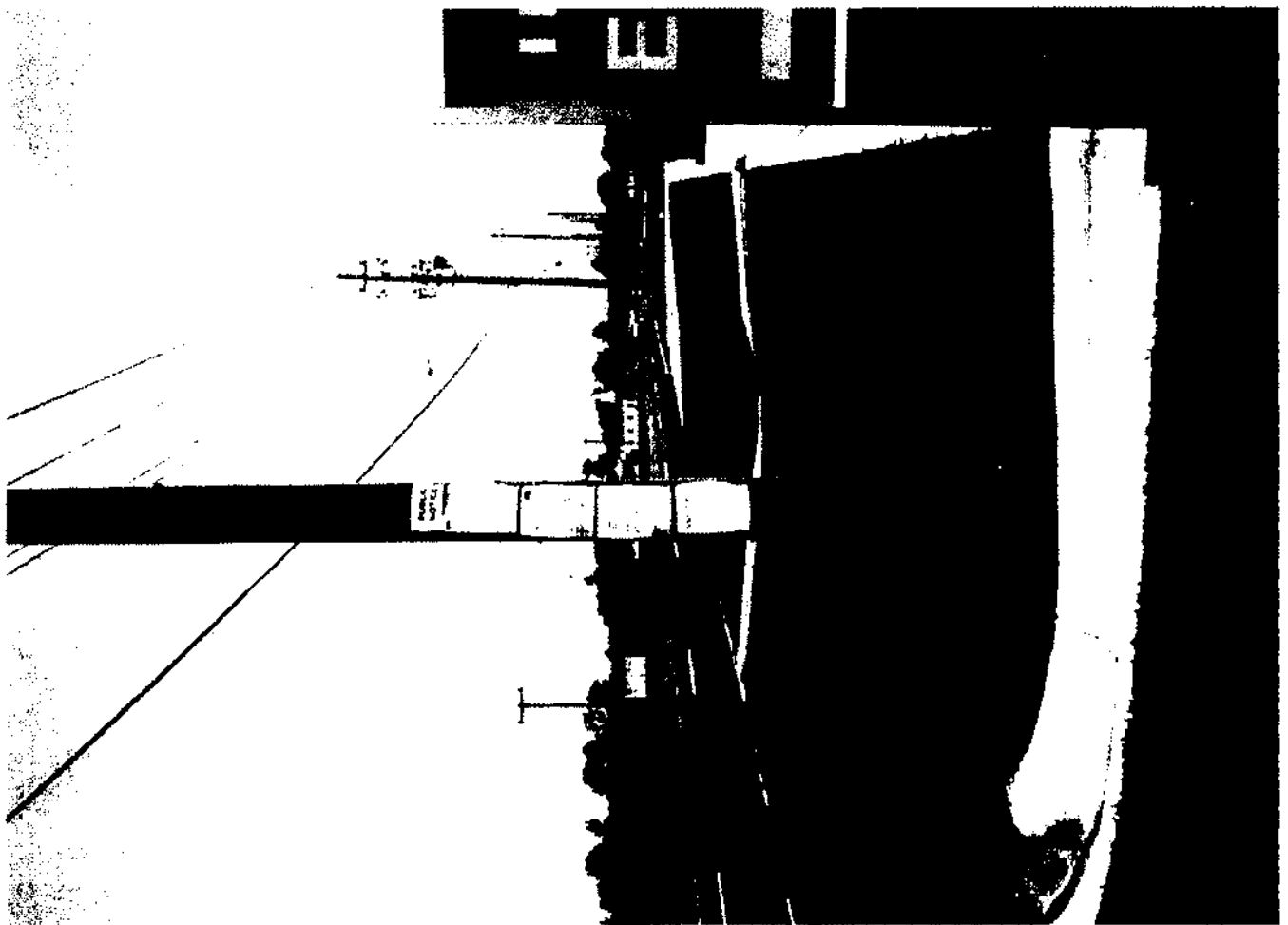
POSTAL RECORDS SHOW DELIVERY

Do not process if Section 1b above is not completed.

PS Form 3811-A, Aug. 1988

REQUEST FOR RETURN RECEIPT (AFTER MAILING)

U.S. Government Printing Office: 1981 - 282-484/4781



UNDERGROUND STORAGE TANK CLOSURE REPORT

I. General Information

A. Ownership of UST(s)

1. Name of UST owner:
Oliver Oil Company
2. Owner address & telephone number
**1811 East 5th Street
Lumberton, NC 28358
(910) 738-1401**

RECEIVED

MAR 15 2000

**FAYETTEVILLE
REG. OFFICE**

B. Facility Information

1. Facility name:
Sun-Do 41
2. Facility ID #:
0-018702
3. Facility address, telephone number & county:
**Highway #41 South
Lumberton, NC 28358
(910) 738-5867**

C. Contacts

1. Name, address, telephone number & job title of primary contact person:
**Christopher Oliver - President
1811 East 5th Street
Lumberton, NC 28358
(910) 738-1401**
2. Name, address & telephone number of closure contractor:
**Floyd Grading, Inc.
3185 West 5th Street
Lumberton, NC 28358
(910) 671-1177**
3. Name, address & telephone number of primary consultant:
**Environmental Hydrogeological Consultants, Inc. (EHC)
P.O. Box 902 / 207 West 4th Avenue
Red Springs, North Carolina 28377
(910) 843-4456**
4. Name, address, telephone number & State certification number of laboratory:
**Environmental Science Corp.
12065 Lebanon Road
Mt. Juliet, TN 37122
(615) 758-5858
NC State Certification - ENV375,DW21704**

D. UST Information:

Tank #	Installation Date	Size in Gallons	Tank Dimensions	Last Contents	Previous Contents (if any)
1	NA	10,000	96"D x 26'8"L	Gasoline	----
2	NA	10,000	96"D x 26'8"L	Gasoline	----
3	NA	10,000	96"D x 26'8"L	Gasoline	----
4	NA	4,000	64"D x 24'L	Heavy Fuel	----
5	NA	4,000	64"D x 24'L	Kerosene	----

E. Site Characteristics:

1. Describe any past releases at this site:
EHC, Inc., knows of no reports of any releases relative to this facility.

2. Is the facility active or inactive? If inactive, note the last time USTs were in operation:
Inactive, December 20, 1999 (subsequent to USTs removal)

3. Describe surrounding property use (residential, commercial, farming, etc.):
The surrounding property is residential to the north and agricultural to the south.

4. Describe site geology/hydrogeology:
Site is underlain by brown silty sand to approximately seven feet and a gray/white silty sand from seven feet to the bottom of the tank cavity.

H. Closure Procedures

- A. Describe preparations for closure including the steps taken to notify authorities, permits obtained & the steps taken to clean & purge the tank(s):
**Notified the DWM Regional Office - Fayetteville Office
 City of Lumberton Fire Marshal
 Obtained proper permits**

- B. Note the amount of residual material pumped from the tank(s):
Residual materials in the USTs were removed by Oliver Oil Company.

- C. Describe the storage, sampling & disposal of the residual material:
Residual materials in the USTs were processed by Oliver Oil Company.

D. Excavation:

1. Describe excavation procedures noting the condition of the soils and the dimensions of the excavation in relation to the tanks, piping and/or pumps:

On December 20, 1999, Floyd Grading excavated three, 10,000 gallon gasoline USTs and two 4,000 gallon Diesel USTs. Upon removal, the UST appeared to contain no holes. The excavation containing the 3 gasoline UST's was approximately 40'L x 35'W x 12'D and the excavation containing the two 4,000 gallon Diesel UST's was approximately 20'L x 20'W x 6'D.

The product lines were removed on December 21, 1999. No soils were removed from these areas.

2. Note the depth of tank burial(s)(from top of tank):
3' below land surface
3. Quantity of soil removed:
Approximately 540 cubic yards (810 tons) of contaminated soil were removed from both UST excavations. The soil from the 10,000 gallon USTs excavation contained a strong petroleum odor with areas of staining.
4. Describe soil type(s):
Brown sandy clay underlain by white sand.
5. Type and source of backfill used:
Brown silty clay provided by Floyd Grading Company.

E. Contaminated Soil:

1. Describe how it was determined to what extent to excavate the soil:
The maximum amount of soil allowable was removed from the UST cavities.
2. Describe method of temporary storage, sampling & treatment/disposal of soil:
Excavated soils were taken for disposal at Oak Hill Farms, Autryville, NC (permit #SR0600039). A soil sample of the stockpiled soil was collected for laboratory analysis using both TPH 3550 (DRO) and TPH 5030 (GRO).

III. Site Investigation

- A. Provide information on field screening & observations, include methods used to calibrate field screening instrument(s):
No field screening instruments were used. The excavated soil contained a strong petroleum odor and was removed from the excavation.
- B. Describe soil sampling points & sampling procedures used:
Dispenser island samples, labeled (D-1, D-2, and D-3), were taken at various points along the run of the product lines. Groundwater was encountered in both UST excavations. A temporary monitoring well (TMW-1 (5ft)) was installed approximately 15 feet north of the gasoline UST excavation and temporary monitoring well (TMW-2 (5 ft)) was installed approximately 15 feet north of the remaining excavation.
- C. Describe groundwater or surface water sampling procedures used:
Temporary monitoring wells (TMW-1 and TMW-2) were purged of approximately 3 well volumes of groundwater prior to sampling. Groundwater samples (TMW-1 and TMW-2) were obtained using new polyethylene bailers, latex gloves, and monofilament rope.

D. Quality Control Measures:

On December 20, 1999, eight soil samples (D-1,2,3, SP-1,2,3, TMW-1 (5'), TMW-2 (5')) were collected from the site. On December 21, 1999, two groundwater samples were collected from temporary monitoring wells TMW-1, and TMW-2. The samples were placed in laboratory provided jars, packed in a cooler, iced, transported to EHC, Inc., and picked up by Federal Express on December 22, 1999 for next day delivery to Environmental Science Corp., Mt. Juliet, Tennessee.

E. Investigation Results:

See Tables 1 & 2 for Soil and Groundwater Analytical Results.

Laboratory Analytical results indicate Total Petroleum Hydrocarbon (TPH) - Low Fraction (LF) by EPA Method 5030 was above detection limits in dispenser island sample D-2 at 940 milligrams per kilogram (mg/kg), and in stockpile samples, SP-1 at 730 mg/kg, and SP-2 at 790 mg/kg. TPH-High Fraction (HF) by EPA Method 3550 was above detection limits in dispenser island samples: D-2 at 36 mg/kg and in D-3 at 9.6 mg/kg.

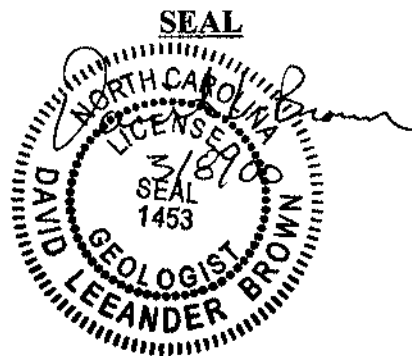
Groundwater sample (TMW-1) displayed concentrations above detection limits in the following compounds: Lead at 45 micrograms per kilogram (ug/l), Massachusetts Department of Environmental Protection (MADEP) - Volatile Petroleum Hydrocarbons (VPH) at 4300 ug/l, benzene at 330 ug/l, toluene at 670 ug/l, Total xylenes at 350 ug/l, and Methyl Tert Butyl Ether (MTBE) at 880 ug/l. Groundwater sample (TMW-2) displayed concentrations above detection limits in the following compounds: benzene at 17 ug/l and MADEP - Extractable Petroleum Hydrocarbon (EPH) at 130 ug/l.

IV. Conclusions & Recommendations

Based on the available analytical data, EHC recommends further soil and groundwater investigation around the gasoline UST excavation and near sample location (D-2).

V. Signature of Professional Engineer or Licensed Geologist

- Professional Engineer Registration #: _____
- Licensed Geologist License #: 1453



PE / PG: _____

David L. Brown

Project Manager: _____

[Handwritten signature]

Sun-do #41
 Highway #41 South
 Lumberton, North Carolina
 Facility ID# 0-018702

TABLE 1
 Soil Analytical Results
 UST Closure Samples

Sample ID	Date Sampled	Depth	Total Petroleum Hydrocarbons	
			Low Fraction (Gasoline Range) Method 5030 mg/kg	High Fraction (Diesel Range) Method 3550 mg/kg
D-1	12/20/99	4'	< 2.8	< 4.4
D-2	12/20/99	4'	940.0	36
D-3	12/20/99	4'	< 2.9	9.6
SP-1	12/20/99	---	730	NA
SP-2	12/20/99	---	790	NA
SP-3	12/20/99	---	< 2.9	< 4.6
TMW-1	12/21/99	5'	< 2.8	NA
TMW-2	12/21/99	5'	< 2.8	< 4.5
Maximum Soil Contaminant Concentrations (Residential)			10	40
Action Levels				

NOTES

D# - Dispenser Island Sample
 SP# - Stockpile Sample
 TMW# - Temporary Monitoring Well Soil Sample
 mg/kg - milligrams per kilogram (parts-per-million)
 NA - Not Analyzed

TABLE 2
 Groundwater Analytical Results
 Temporary Monitoring Wells

Parameters	TMW-1 (ug/l)	TMW-2 (ug/l)	Action Levels
Lead (6010)	45	NA	15
MADEP VPH	4300	< 100	No Standard
C5-C8 Aliphatics	3400	< 100	No Standard
C9-C12 Aliphatics	1200	< 100	No Standard
C9-C10 Aromatics	290	< 100	No Standard
Volatile Organics (601/602MS)			
Benzene	330	17	1
Toluene	670	< 1	1000
Ethylbenzene	< 100.0	< 1	29
Total Xylenes	350	< 1	530
MTBE	880	< 5	200
D-isopropyl ether	< 500.0	< 5	70
Other Volatiles	BDL	BDL	-----
MADEP EPH		130	
C9-C18 Aliphatics	NA	< 100	No Standard
C19-C36 Aliphatics	NA	< 100	No Standard
C11-C22 Aromatics	NA	130	No Standard
625 Base/Neutrals/WTC			
All 625 Compounds	NA	BDL	No Standard

TMW# - Temporary Monitoring Well Groundwater Sample
 ug/l - micrograms per liter (parts-per-billion)
 BDL - Below Laboratory Detection Limits

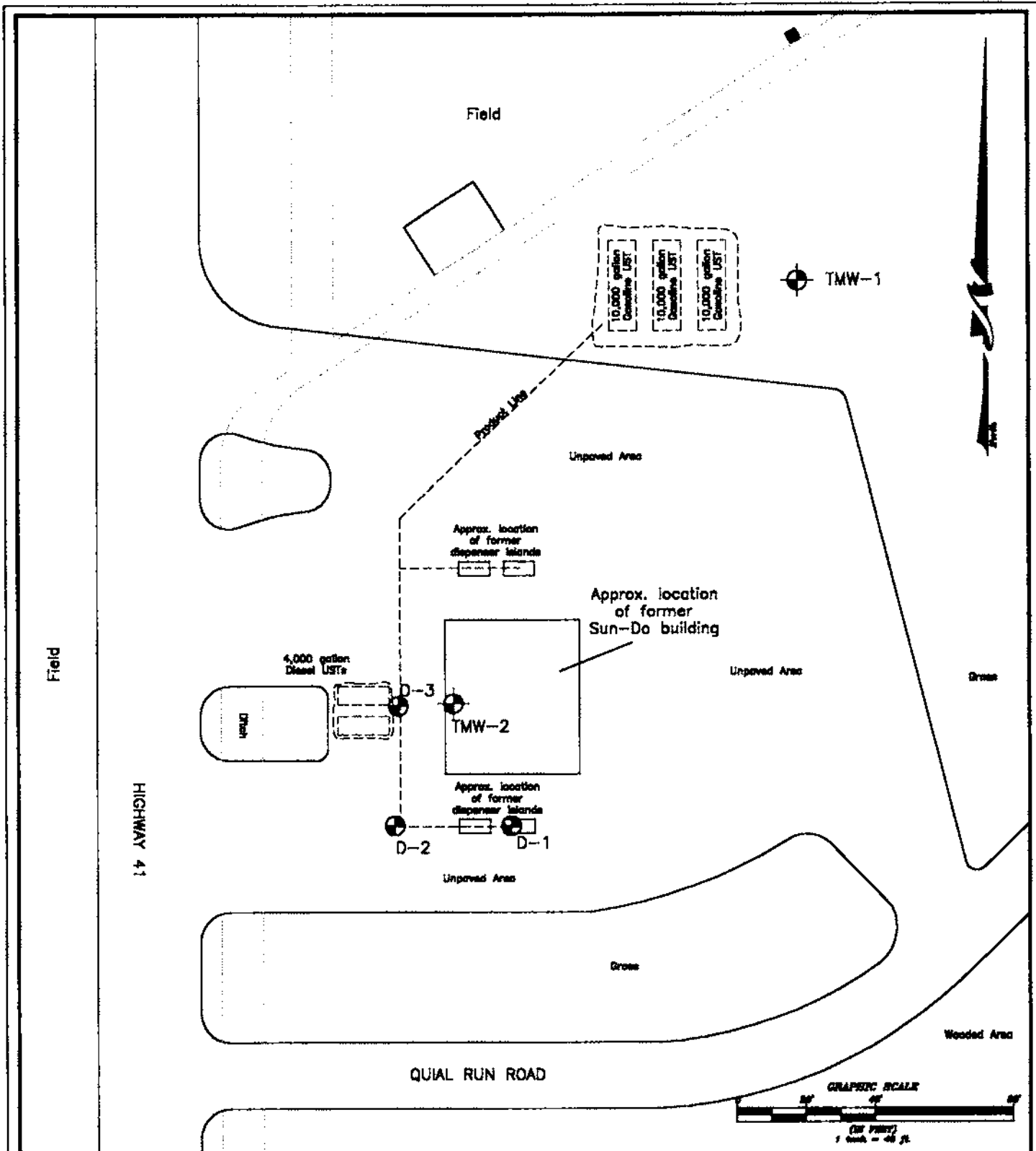
VI. Enclosures

A. Figures

1. Area Map
2. Site Map
 - Buildings
 - Underground utilities such as sewer lines & other conduits
 - Orientation of UST(s), pumps & product lines
 - Length, diameter & volume of UST(s)
 - Type of material(s) stored in UST(s) (currently & previously)
 - Sample location(s) (identified by letter or number)
 - Final limits of excavation
 - Scale
 - North arrow

B. Appendices

- Appendix A: Notification of Intent to Close (GW/UST-3)
- Appendix B: Site Investigation Report for Permanent Closure or Change-in-Service of UST (GW/UST-2)
- Appendix C: Certificate of Tank Disposal
- Appendix D: Soil, Water, Sludge Disposal Manifests
- Appendix E: Laboratory Analytical Results
- Appendix F: Chain-of-Custody Records



LEGEND

- Temporary Monitoring Well Location
- Dispenser Island Sample Locations
- UST System/Excavation Location

EHC
 ENVIRONMENTAL HYDROGEOLOGICAL CONSULTANTS
 HYDROLOGY • GEOLOGY • EXPLORATION • ANALYTICAL

FIGURE 2
UST CLOSURE
 Sun-do #41
 Route 41
 Lumberton, North Carolina

DATE: 02/22/00	PROJECT NO.: 99.12012	DRAWN BY: AJB
-------------------	--------------------------	------------------

APPENDIX A
Notification of Intent to Close (GW/UST-3)

UST-3 FOR TANKS IN NC

Notice of Intent: UST Permanent Closure or Change-in-Service

Return completed form to:
The DWM Regional Office in the area the facility is located. SEE MAP ON THE BACK OF THIS
FORM FOR REGIONAL OFFICE ADDRESSES.

STATE USE ONLY:
I.D. Number: _____
Date Received: _____

DEC 17 1999

INSTRUCTIONS

Complete and return at least five (5) working days prior to closure or change-in-service if a Professional Engineer (P.E.) or a Licensed Geologist (L.G.) provides supervision for closure or change-in-service site assessment activities and signs and seals all closure reports. Otherwise, thirty (30) days notice is required.

I. OWNERSHIP OF TANKS

Owner Name Oliver Oil Company
Corporation, Individual, Public Agency, or Other Entity
Street Address 1811 East 5th Street
City Lumberton County Robeson
State North Carolina Zip Code 28358
Telephone Number: (910) 738-1401
Area Code

II. LOCATION

Facility Name Jun 00-41
Or Company
Facility I.D. # (if known) 0018702
Street Address or State Road Hwy 41 South
City Lumberton County Robeson Zip Code 28358
Telephone Number: (910) 738-5867
Area Code

III. CONTACT PERSONNEL

Name Christopher Oliver Job Title President Tel. No. 1-910-738-1401

IV. TANK REMOVAL, CLOSURE IN PLACE, CHANGE-IN-SERVICE

- Contact local Fire Marshall.
- Plan the entire closure event.
- Conduct Site Soil Assessment.
- If removing tanks or closing in place, refer to API Publication 2015 *Cleaning Petroleum Storage Tanks* and 1604 *Removal and Disposal of Used Underground Petroleum Storage Tanks*.
- Provide a sketch locating piping, tanks and soil sampling locations.
- Submit a closure report in the format of UST-12 and include the form UST-2 within 30 days following the site investigation.
- If a release from the tank(s) has occurred, the site assessment portion of the tank closure must be conducted under the supervision of a P.E. or L.G., with all closure site assessment reports bearing signature and seal of the P.E. or L.G. If a release has not occurred, the supervision, signature, or seal of a P.E. or L.G. is not required.
- Keep closure records for 3 years.

V. WORK TO BE PERFORMED BY

Contractor Name Calvin Floyd
Address 3185 West 5th Street Lumberton State NC Zip Code 28358
Contact Person Calvin Floyd Tel. No. 1-910-671-1177
Primary Consultant Thomas Ammons Tel. No. 1-910-843-4456

VI. TANK(S) SCHEDULED FOR CLOSURE OR CHANGE-IN-SERVICE

Tank ID#	Tank Capacity	Last Contents	Proposed Activity	
			Removal	Change-in-service New Contents Stored
<u>Regular</u>	<u>10000</u>	<u>Gasoline</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Plus</u>	<u>10000</u>	<u>Gasoline</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Super</u>	<u>18000</u>	<u>Gasoline</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Diesel</u>	<u>4000</u>	<u>High Fuel Oil - Low Sulfur</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Kerosene</u>	<u>4000</u>	<u>Diesel Oil</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

VII. OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE

I understand that I can be held responsible for environmental damage resulting from the improper disposal of my USTs. Read note on the back of this form before signing.

Print name and official title Christopher L Oliver President

Signature [Signature] Date Signed 12/13/99 SCHEDULED REMOVAL DATE 12/20/99 Notify your DWM Regional Office 48 hours before this date if scheduled removal date changes.

APPENDIX B
Site Investigation Report for Permanent Closure or
Change in Service of UST (GW/UST-2)

FOR TANKS IN NC	Return Completed Form To: The appropriate DEM Regional Office according to the county of the facility's location. [SEE MAP ON REVERSE SIDE OF OWNER'S COPY (PINK) FOR REGIONAL OFFICE ADDRESS].	State Use Only I.D. Number _____ Date Received _____
------------------------------------	--	---

INSTRUCTIONS

Complete and return within (30) days following completion of site investigation.

I. Ownership of Tank(s)	II. Location of Tank(s)
Owner Name: <u>Oliver Oil Company</u> <small>Corporation, Individual, Public Agency, or other Entity</small> Street Address: <u>1811 East 5th Street</u> County: <u>Robeson</u> City: <u>Lumberton</u> State: <u>NC</u> Zip Code: <u>28358</u> Telephone Number: (<u>910</u>) <u>738-1401</u> <small>(Area Code)</small>	Facility Name: <u>Sun-Do #41</u> <small>(or Company)</small> Facility ID # (if available): <u>0-018702</u> Street Address: <u>Highway 41 South</u> <small>(or State Road)</small> County: <u>Robeson</u> City: <u>Lumberton</u> Zip Code: <u>28358</u> Telephone Number: (<u>910</u>) <u>738-5867</u> <small>(Area Code)</small>

III. Contact Person

Name: <u>Christopher Oliver</u>	Job Title: <u>President</u>	Tel. No. <u>(910)738-1401</u>
Closure Contractor: <u>Floyd Grading</u>	Address: <u>3185 West 5th Street</u>	Tel. No. <u>(910)671-1177</u>
Primary Consultant: <u>EHC, Inc.</u>	Address: <u>P.O. Box 902, Red Springs, N.C. 28377</u>	Tel. No. <u>(910)843-4456</u>
Lab: <u>Environmental Science Corp.</u>	Address: <u>12065 Lebabon Road, Mt. Juliet, TN 37122</u>	Tel. No. <u>(615)758-5858</u>

IV. U.S.T. Information

V. Excavation Condition

VI. Additional Information Required

Tank No.	Size in Gallons	Tank Dimensions	Last Contents	Water in Excavation		Free Product		Notable Odor or Visible Soil Contamination	
				Yes	No	Yes	No	Yes	No
1	10000	96"D x 26'8"L	Gasoline	X				X	
2	10000	96"D x 26'8"L	Gasoline	X				X	
3	10000	96"D x 26'8"L	Gasoline	X				X	
4	4000	64"D x 24'L	Heavy Fuel	X				X	
5	4000	64"D x 24'L	Kerosene	X				X	

See reverse side of pink copy (owner's copy) for additional information required by N.C. - DEM in the written report and sketch.

NOTE: The site assessment portion of the tank closure must be conducted under the supervision of a Professional Engineer or Licensed Geologist.

VII. Check List (Check the activities completed)

PERMANENT CLOSURE (For Removing or Abandoning-in-place)

- Contact local fire marshal.
 - Notify DEM Regional Office before abandonment.
 - Drain & flush piping into tank.
 - Remove all product and residuals from tank.
 - Excavate down to tank.
 - Clean and inspect tank.
 - Remove drop tube, fill pipe, gauge pipe, vapor recovery tank connections, submersible pumps and other tank fixtures.
 - Cap or plug all lines except the vent and fill lines.
 - Purge tank of all product & flammable vapors.
 - Cut one or more large holes in the tanks.
 - Backfill the area.
- Date Tank(s) Permanently closed: December 21, 1999
 Date of Change-in-Service: _____

ABANDONMENT IN PLACE

- Fill tank until material overflows tank opening.
- Plug or cap all openings.
- Disconnect and cap or remove vent line.
- Solid inert material used - specify: _____

REMOVAL

- Create vent hole.
 - Label tank.
 - Dispose of tank in approved manner.
- Final tank destination: Lumberton Recycling

VIII. Certification (Read and Sign)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Print name and official title of owner or owner's authorized representative <u>Thomas Ammons (EHC, Inc.)</u>	Signature 	Date Signed <u>3-1-00</u>
---	---------------	------------------------------

APPENDIX C
Certificate of Tank Disposal

Lumberton

RECYCLING COMPANY, INC.

P.O. BOX 1290, LUMBERTON, NORTH CAROLINA 28359
Office: 910/739-4378 • Fax: 910/739-7197

To: Thomas Ammon
From: Chris Oliver

2-29-2000

TO WHOM IT MAY CONCERN:

THE FOLLOWING TANK(S) LISTED BELOW WERE PROPERLY DISPOSED OF FOR
RECYCLING PURPOSES ONLY:

3 - 10,000 GALLON GASOLINE TANKS

2 - 4,000 GALLON GASOLINE TANKS

LOCATION REMOVED: SUNDQ STATION
HWY. 41-SOUTH
LUMBERTON, N.C.

REMOVED BY: CALVIN FLOYD GRADING CO.

DATE REMOVED: 12/20/99

IF THERE ARE ANY QUESTIONS OR CONCERNS ON THE RECYCLING AND DISPOSAL
THE UNDERGROUND TANKS LISTED ABOVE, PLEASE CALL OUR OFFICE AT
739-4378.

APPENDIX D
Soil, Water, Sludge Disposal Manifests

OAK HILL FARMS

Rt. 3, Box 215A

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

APPROVAL # _____

CONTROL # _____

NON-HAZARDOUS WASTE MANIFEST

LOAD # 1

(number sequentially as trucks are dispatched)

ENVIRONMENTAL CONSULTANT:

EHC
W 117 ST
Lumberton NC

CONTACT: _____

PHONE: _____

GENERATOR:

SUN-DO
Hwy 41
Lumberton NC

CONTACT: _____

PHONE: _____

TRANSPORTER:

Floyd Grading
W 51 ST
Lumberton NC

CONTACT: _____

PHONE: _____

DESTINATION:

OAK HILL FARMS
Rt. 3, Box 215A
Autryville, NC 28318

CONTACT: _____

PHONE: _____

OAK HILL FARMS

(910) 531-3800

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGINATION POINT (complete address): _____

TRUCK # 1015

GROSS WEIGHT: 55800

TARE WEIGHT: 20300

NET WEIGHT: 35440

17.72 TMS

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE

SIGNATURE:

DATE

UST's

12-20-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material):

Heavy Taylor

DATE:

12-20-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above):

BY: OAK HILL FARMS

SIGNED BY: [Signature]

DATE: 12-20-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A
P.O. Box 220
Autryville, NC 28318
Telephone: (910) 531-3800
Permit # SR0600039

CONTROL # _____

NON-HAZARDOUS WASTE MANIFEST

LOAD # 2 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: EHC CONTACT: _____
PHONE: _____

GENERATOR: SUN-DO CONTACT: _____
Hwy 41 PHONE: _____
Lumberton NC

TRANSPORTER: Floyd Gering CONTACT: _____
PHONE: _____

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGATION POINT (complete address): _____

TRUCK # 1016 GROSS WEIGHT: 53600
TARE WEIGHT: 22300 15.85
NET WEIGHT: 31300

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: VJT's DATE: 12-20-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): Paul Bullard
DATE: 12-20-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS
SIGNED BY: [Signature]
DATE: 12-20-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A
P.O. Box 220
Autryville, NC 28318
Telephone: (910) 531-3800
Permit # SR0600039

CONTROL # _____

NON-HAZARDOUS WASTE MANIFEST

LOAD # 3 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: EAC CONTACT: _____
WEST PHONE: _____
Red Springs NC

GENERATOR: SUN DO CONTACT: _____
Hwy 41 PHONE: _____
Lumberton NC

TRANSPORTER: Floyd Garding CONTACT: _____
WEST PHONE: _____
Lumberton NC

DESTINATION: OAK HILL FARMS, INC. CONTACT: OAK HILL FARMS, INC.
Rt. 2, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGINATION POINT (complete address): _____

TRUCK # 1010 GROSS WEIGHT: 52400
TARE WEIGHT: 20900 15.75 TMS
NET WEIGHT: 31500

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: WEST'S DATE: 12-20-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): [Signature] DATE: 12-20-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS, INC.
SIGNED BY: [Signature]
DATE: 12-20-99

TRUCKS MUST HAVE (1) THIS MANIFEST AND (2) WEIGHT TICKET
TRUCKERS MUST KNOW TARE WEIGHT
WHITE, YELLOW AND PINK COPIES OF THIS MANIFEST MUST BE LEFT AT OAK HILL FARMS
WHITE - Biller / YELLOW - OHP Filing / PINK - Trucker / GOLD - Generator

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

CONTROL # _____

NON-HAZARDOUS WASTE MANIFEST

LOAD # 4 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: EHC CONTACT: _____
WEST PHONE: _____
Red Springs NC

GENERATOR: SWW DO CONTACT: _____
HWY 111 PHONE: _____
Lumberton NC

TRANSPORTER: Floyd Garding CONTACT: _____
WEST PHONE: _____
Lumberton NC

DESTINATION: OAK HILL FARMS, INC. CONTACT: OAK HILL FARMS, INC.
Rt. 2, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGATION POINT (complete address): _____

TRUCK # 1022 GROSS WEIGHT: 52360
TARE WEIGHT: 20160 16.10 TNS
NET WEIGHT: 32200

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: WEST's DATE: 12-20-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): [Signature]
DATE: 12-20-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): _____ BY: OAK HILL FARMS, INC.
SIGNED BY: [Signature]
DATE: 12-20-99

TRUCKS MUST HAVE (1) THIS MANIFEST AND (2) WEIGHT TICKET
TRUCKERS MUST KNOW TARE WEIGHT
WHITE, YELLOW AND PINK COPIES OF THIS MANIFEST MUST BE LEFT AT OAK HILL FARMS
WHITE - Billing / YELLOW - OHF Filing / PINK - Trucker / GOLD - Generator

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A
P.O. Box 220
Autryville, NC 28318
Telephone: (910) 531-3800
Permit # SR0600039

CONTROL # _____

NON-HAZARDOUS WASTE MANIFEST

LOAD # 5 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: EHC CONTACT: _____
W 175 ST PHONE: _____
Red Springs NC

GENERATOR: SUN DO CONTACT: _____
Hwy 41 PHONE: _____
Lumberton NC

TRANSPORTER: Floyd Grading CONTACT: _____
W 175 ST PHONE: _____
Lumberton NC

DESTINATION: OAK HILL FARMS, INC. CONTACT: OAK HILL FARMS, INC.
Rt. 2, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGINATION POINT (complete address): _____

TRUCK # 1040 GROSS WEIGHT: 81600
~~1040~~ TARE WEIGHT: 32500 24.55 TWE
NET WEIGHT: 49100

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE SIGNATURE: DATE

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): WST's James Looker 10-21-99
DATE: 10-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS, INC.
SIGNED BY: [Signature]
DATE: 10-21-99

TRUCKS MUST HAVE (1) THIS MANIFEST AND (2) WEIGHT TICKET
TRUCKERS MUST KNOW TARE WEIGHT
WHITE, YELLOW AND PINK COPIES OF THIS MANIFEST MUST BE LEFT AT OAK HILL FARMS
WHITE - Billing / YELLOW - OHP Filing / PINK - Trucker / GOLD - Generator

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

CONTROL # _____

NON-HAZARDOUS WASTE MANIFEST

LOAD # 6 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: EHC CONTACT: _____
W 11th ST PHONE: _____
Red Springs NC

GENERATOR: SUN DO CONTACT: _____
HWY 41 PHONE: _____
Lincolnton NC

TRANSPORTER: Floyd Garding CONTACT: _____
W 5th ST PHONE: _____
Lincolnton NC

DESTINATION: OAK HILL FARMS, INC. CONTACT: OAK HILL FARMS, INC.
Rt. 2, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGINATION POINT (complete address): _____

TRUCK # 1015 GROSS WEIGHT: 51060
TARE WEIGHT: 20360 15.35 TONS
NET WEIGHT: 30700

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE SIGNATURE: DATE

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): VST'S 12-21-99
Heavy Taylor
DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS, INC.
SIGNED BY: [Signature]
DATE: 12-21-99

TRUCKS MUST HAVE (1) THIS MANIFEST AND (2) WEIGHT TICKET
TRUCKERS MUST KNOW TARE WEIGHT
WHITE, YELLOW AND PINK COPIES OF THIS MANIFEST MUST BE LEFT AT OAK HILL FARMS
WHITE - Billing / YELLOW - OHP Filing / PINK - Tracker / GOLD - Generator

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A
P.O. Box 220
Autryville, NC 28318
Telephone: (910) 531-3800
Permit # SR0600039

CONTROL # _____

NON-HAZARDOUS WASTE MANIFEST

LOAD # 7 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: EHC CONTACT: _____
W 4TH ST PHONE: _____
NEEDSPRINGS NC

GENERATOR: SEW DO CONTACT: _____
LUMBERTON NC PHONE: _____
HWY 41

TRANSPORTER: ELCOT GRADING CONTACT: _____
W 5TH ST PHONE: _____
LUMBERTON NC

DESTINATION: OAK HILL FARMS, INC. CONTACT: OAK HILL FARMS, INC.
Rt. 2, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGATION POINT (complete address): _____

TRUCK # 1016 GROSS WEIGHT: 54500
TARE WEIGHT: 22100 16.20 TMS
NET WEIGHT: 32400

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: VST's DATE: 12-21-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): Paul Bullard
DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS, INC.
SIGNEE BY: [Signature]
DATE: 12-21-99

TRUCKS MUST HAVE (1) THIS MANIFEST AND (2) WEIGHT TICKET
TRUCKERS MUST KNOW TARE WEIGHT
WHITE, YELLOW AND PINK COPIES OF THIS MANIFEST MUST BE LEFT AT OAK HILL FARMS
WHITE - Billing / YELLOW - OHP Filing / PINK - Trucker / GOLD - Generator

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

CONTROL # _____

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

NON-HAZARDOUS WASTE MANIFEST

LOAD # 8 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: EHC CONTACT: _____

W 4TH ST
KODS SPRINGS NC

PHONE: _____

GENERATOR: SUN DO CONTACT: _____

HWY 41
LUMBERTON NC

PHONE: _____

TRANSPORTER: FLOYD GRADING CONTACT: _____

W 5TH ST
LUMBERTON NC

PHONE: _____

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS

Rt. 3, Box 215A

PHONE: (910) 531-3800

Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGATION POINT (complete address): _____

TRUCK # 1022 GROSS WEIGHT: 51020
TARE WEIGHT: 20160 1542 TMS
NET WEIGHT: 30840

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE: VST's SIGNATURE: _____ DATE: 12-21-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): [Signature] DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS

SIGNED BY: [Signature]

DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

CONTROL # _____

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

NON-HAZARDOUS WASTE MANIFEST

LOAD # 9 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: ETC CONTACT: _____

WY 51 PHONE: _____

Red Springs NC

GENERATOR: SUNDO CONTACT: _____

Hwy 411 PHONE: _____

Lumberton NC

TRANSPORTER: Floyd Garding CONTACT: _____

WY 51 PHONE: _____

Lumberton NC

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS

Rt. 3, Box 215A PHONE: (910) 531-3800

Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGINATION POINT (complete address): _____

TRUCK # 1018 GROSS WEIGHT: 58740

TARE WEIGHT: 26000

NET WEIGHT: 32740

16.37 tons

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: _____ DATE: _____

WY 51 [Signature] 12-21-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): _____

DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above) BY: OAK HILL FARMS

SIGNED BY: [Signature]

DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

CONTROL # _____

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

NON-HAZARDOUS WASTE MANIFEST

LOAD # 10 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: SHC CONTACT: Thomas Annells
6410 St PHONE: 843-4456
Red Springs, NC

GENERATOR: Sun-De CONTACT: _____
Hwy 41 PHONE: _____
Lumberton, NC

TRANSPORTER: Floyd Grading CONTACT: Calvin Floyd
PHONE: 910-671-1177
Lumberton, NC

DESTINATION: OAK HILL FARMS, INC. CONTACT: OAK HILL FARMS, INC.
Rt. 2, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGINATION POINT (complete address): Sun-De
Hwy 41
Lumberton, NC

TRUCK # 1014 GROSS WEIGHT: 52300
TARE WEIGHT: 20060 16.12 TMS
NET WEIGHT: 32240

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE: VST's SIGNATURE: _____ DATE: 12-24-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): [Signature] DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS, INC.
SIGNED BY: [Signature]
DATE: 12-21-99

TRUCKS MUST HAVE (1) THIS MANIFEST AND (2) WEIGHT TICKET
TRUCKERS MUST KNOW TARE WEIGHT

WHITE, YELLOW AND PINK COPIES OF THIS MANIFEST MUST BE LEFT AT OAK HILL FARMS

WHITE - Billing / YELLOW - OHP Filing / PINK - Trucker / GOLD - Generator

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A
P.O. Box 220
Autryville, NC 28318
Telephone: (910) 531-3800
Permit # SR0600039

CONTROL # _____

NON-HAZARDOUS WASTE MANIFEST

LOAD # 11 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: SHC CONTACT: Thomas Ammons
W 441st PHONE: 910-843-4456
Red Springs, NC

GENERATOR: Sum-Do CONTACT: _____
Aug 41 PHONE: _____
Lumberton, NC

TRANSPORTER: Floyd Grading CONTACT: Colvin Floyd
Lumberton, NC PHONE: 910-671-1127

DESTINATION: OAK HILL FARMS, INC. CONTACT: OAK HILL FARMS, INC.
Rt. 2, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGINATION POINT (complete address): Sum-Do
Aug 41
Lumberton, NC

TRUCK # 1050 GROSS WEIGHT: 74480
TARE WEIGHT: 30780 2185 TMS
NET WEIGHT: 43700

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE SIGNATURE: DATE

UST's 12-20-99
TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): [Signature]
DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY OAK HILL FARMS, INC.
SIGNED BY: [Signature]
DATE: 12-21-99

TRUCKS MUST HAVE (1) THIS MANIFEST AND (2) WEIGHT TICKET
TRUCKERS MUST KNOW TARE WEIGHT

WHITE, YELLOW AND PINK COPIES OF THIS MANIFEST MUST BE LEFT AT OAK HILL FARMS
WHITE - Billing / YELLOW - OHP Filing / PINK - Trucker / GOLD - Generator

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A
P.O. Box 220
Autryville, NC 28318
Telephone: (910) 531-3800
Permit # SR0600039

CONTROL # _____

NON-HAZARDOUS WASTE MANIFEST

LOAD # 12 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: SHC CONTACT: Thomas Ammons
W 4th St PHONE: 910-843-4452
Red Springs, NC

GENERATOR: Sun-Do CONTACT: _____
Hwy 41 PHONE: _____
Lumberton, NC

TRANSPORTER: Floyd Grading CONTACT: Colvin Floyd
Lumberton, NC PHONE: 910-671-1177

DESTINATION: OAK HILL FARMS, INC. CONTACT: OAK HILL FARMS, INC.
Rt. 2, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGATION POINT (complete address): Sun-Do
Hwy 41
Lumberton, NC

TRUCK # 1060 GROSS WEIGHT: 70660
TARE WEIGHT: 31500 24,587 lb
NET WEIGHT: 49160

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: UST's DATE: 12-20-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): General Kelly
DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS, INC.
SIGNED BY: Tam Y. [Signature]
DATE: 12-21-99

TRUCKS MUST HAVE (1) THIS MANIFEST AND (2) WEIGHT TICKET
TRUCKERS MUST KNOW TARE WEIGHT

WHITE, YELLOW AND PINK COPIES OF THIS MANIFEST MUST BE LEFT AT OAK HILL FARMS

WHITE - Billing / YELLOW - OHP Filing / PINK - Trucker / GOLD - Generator

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A
P.O. Box 220
Autryville, NC 28318
Telephone: (910) 531-3800
Permit # SR0600039

CONTROL # _____

NON-HAZARDOUS WASTE MANIFEST

LOAD # 13 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: EHC CONTACT: Thomas Ammons
W 4th St PHONE: 910-843-4456
Red Springs, NC

GENERATOR: Sun-Do CONTACT: _____
Aug 41 PHONE: _____
Lumberton, NC

TRANSPORTER: Floyd Grading CONTACT: Edwin Floyd
Lumberton, NC PHONE: 910-671-1177

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL
WASTE ORIGATION POINT (complete address): Sun-Do
Aug 41
Lumberton, NC

TRUCK # 1018 GROSS WEIGHT: 56300
TARE WEIGHT: 26000 15.15
NET WEIGHT: 30300

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: UST's DATE: 12/20/99
TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): _____ DATE: 12-21-99

NOTED DISCREPANCIES _____
INSPECTED & ACCEPTED (except as noted above): _____ BY: OAK HILL FARMS
SIGNED BY: Touther
DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A
P.O. Box 220
Autryville, NC 28318
Telephone: (910) 531-3800
Permit # SR0600039

CONTROL # _____

NON-HAZARDOUS WASTE MANIFEST

LOAD # 14 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: EMC CONTACT: Thomas Ammons
W 4th St PHONE: 910-843-4456
Red Springs, NC

GENERATOR: Sun-Do CONTACT: _____
 Hwy 41 PHONE: _____
Lumberton, NC

TRANSPORTER: Floyd Grading CONTACT: Calvin Floyd
PHONE: 910-671-1177
Lumberton, NC

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGINATION POINT (complete address): Sun-Do
 Hwy 41
Lumberton, NC

TRUCK # 1040 GROSS WEIGHT: 81100
TARE WEIGHT: 31500 24.80j
NET WEIGHT: 49600

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE SIGNATURE: DATE

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material) James Loshore 02-20-99
DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS
SIGNED BY: [Signature]
DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

CONTROL # _____

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

NON-HAZARDOUS WASTE MANIFEST

LOAD # 15

(number sequentially as trucks are dispatched)

ENVR CONSULTANT: EHC CONTACT: Thomas Amicus
W4405K PHONE: 910-843-4456
Red Springs, NC

GENERATOR: Sun-Do CONTACT: _____
 Hwy 41 PHONE: _____
Lumberton, NC

TRANSPORTER: Floyd Grading CONTACT: Francis Calvin Floyd
PHONE: 871-1177
Lumberton NC

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGATION POINT (complete address): Sun-Do
Hwy 41
Lumberton, NC

TRUCK # 1016 GROSS WEIGHT: 53300
TARE WEIGHT: 22100 1560 TR.
NET WEIGHT: 31200

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: _____ DATE: 12-20-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): Paul Baker
DATE: 12-21-99

NOTED DISCREPANCIES _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS
SIGNED BY: _____ DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

CONTROL # _____

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

NON-HAZARDOUS WASTE MANIFEST

LOAD # 16 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: EHC CONTACT: _____
4176 ST PHONE: _____
Red Springs

GENERATOR: SUNDO YI CONTACT: _____
Hwy 41 PHONE: _____
Lumberton NC

TRANSPORTER: FLOYD Grading CONTACT: _____
W 574 ST PHONE: _____
Lumberton NC

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGINATION POINT (complete address): _____

TRUCK # 1022 GROSS WEIGHT: 51760
TARE WEIGHT: 20160 15.80 TMS
NET WEIGHT: 31600

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: VST DATE: 12-20-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): [Signature] DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS
SIGNED BY: [Signature]
DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

CONTROL # _____

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

NON-HAZARDOUS WASTE MANIFEST

LOAD # 17 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: EMC CONTACT: _____
447th St PHONE: _____
Red Springs NC

GENERATOR: SUNDO 41 CONTACT: _____
 Hwy 41 PHONE: _____
Rumberton NC

TRANSPORTER: Floyd Grading CONTACT: _____
125th St PHONE: _____
Rumberton NC

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGATION POINT (complete address): _____

TRUCK # 1014 GROSS WEIGHT: 51620
TARE WEIGHT: 20060 15.75 TONS
NET WEIGHT: 31560

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: UST [Signature] DATE: 12-20-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): _____ DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS

SIGNED BY: [Signature]
DATE: 12-20-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A
P.O. Box 220
Autryville, NC 28318
Telephone: (910) 531-3800
Permit # SR0600039

CONTROL # _____

NON-HAZARDOUS WASTE MANIFEST

LOAD # 18 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: FHC CONTACT: _____
W 4TH ST PHONE: _____
Red Springs

GENERATOR: SOUND 41 CONTACT: _____
HWY 41 PHONE: _____
Lumberton NC

TRANSPORTER: Floyd Guading CONTACT: _____
W 5TH ST PHONE: _____
Lumberton NC

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGATION POINT (complete address): _____

TRUCK # 1015 GROSS WEIGHT: 53560
TARE WEIGHT: 20360 1660
NET WEIGHT: 33200

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: UST'S DATE: 12-20-99
TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): Heavy Taylor
DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS
SIGNED BY: [Signature]
DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

CONTROL # _____

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

NON-HAZARDOUS WASTE MANIFEST

LOAD # 19 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: EHC CONTACT: _____
W 474 ST PHONE: _____
Red Springs NC

GENERATOR: SUN DO 41 CONTACT: _____
Hwy 41 PHONE: _____
Lumberton NC

TRANSPORTER: Floyd Grading CONTACT: _____
W 573 ST PHONE: _____
Lumberton NC

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGINATION POINT (complete address): _____

TRUCK # 1050 GROSS WEIGHT: 77540
TARE WEIGHT: 30780 23.40
NET WEIGHT: 46800

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: UET DATE: 12-20-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): _____ DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): _____ BY: OAK HILL FARMS
SIGNED BY: T. ...
DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

CONTROL # _____

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

NON-HAZARDOUS WASTE MANIFEST

LOAD # 20 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: EHC CONTACT: _____
4147 ST PHONE: _____
Red Springs NC

GENERATOR: SUN DO 41 CONTACT: _____
Hwy 41 PHONE: _____
Lumberton NC

TRANSPORTER: Eloyd Grading CONTACT: _____
45th St PHONE: _____
Lumberton NC

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGATION POINT (complete address): _____

TRUCK # 1060 GROSS WEIGHT: 29900
TARE WEIGHT: 31500 2420
NET WEIGHT: 48400

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE SIGNATURE: DATE

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): Kenneth Kelly 12-20-99

DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS

SIGNED BY: Touman

DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

CONTROL # _____

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

NON-HAZARDOUS WASTE MANIFEST

LOAD # 21 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: EHC CONTACT: _____
4147 ST PHONE: _____
Red Springs NC

GENERATOR: SUNCO 41 CONTACT: _____
Hwy 41 PHONE: _____
Lumberton NC

TRANSPORTER: Floyd Conroy CONTACT: _____
W 5th ST PHONE: _____
Lumberton NC

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGINATION POINT (complete address): _____

TRUCK # 1018 GROSS WEIGHT: 59300
TARE WEIGHT: 26000 16.65
NET WEIGHT: 33300

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE: UST's SIGNATURE: _____ DATE: 12-20-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): _____ DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS
SIGNED BY: [Signature]
DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A
P.O. Box 220
Autryville, NC 28318
Telephone: (910) 531-3800
Permit # SR0600039

CONTROL # _____

NON-HAZARDOUS WASTE MANIFEST

LOAD # 22 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: EHC CONTACT: Thomas Ammons
W 4th St PHONE: 910-843-4456
Red Springs, NC

GENERATOR: SUN-DO 41 CONTACT: _____
 Hwy 41 PHONE: _____
Lumberton, NC

TRANSPORTER: Floyd Grading CONTACT: Colvin Floyd
Lumberton, NC PHONE: 910-671-1177

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGINATION POINT (complete address): SUN-DO 41
Hwy 41
Lumberton, NC

TRUCK # 1022 GROSS WEIGHT: 51100
TARE WEIGHT: 20160 15.47
NET WEIGHT: 30940

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: LIST'S DATE: 12-20-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): [Signature]
DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS
SIGNED BY: [Signature]
DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

CONTROL # _____

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

NON-HAZARDOUS WASTE MANIFEST

LOAD # 23 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: SHC CONTACT: Thomas Animons
W 4th St PHONE: 910-843-4456
Red Springs, NC

GENERATOR: Sun Do 41 CONTACT: _____
Aug 41 PHONE: _____
Lumberton, NC

TRANSPORTER: Floyd Grading CONTACT: Calvin Floyd
PHONE: 910-671-1177
Lumberton, NC

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGINATION POINT (complete address): Sun Do 41
Aug 41
Lumberton, NC

TRUCK # 1016 GROSS WEIGHT: 53640
TARE WEIGHT: 22100 1577
NET WEIGHT: 31540

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE SIGNATURE: DATE

HST's Paul 12-20-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): Paul
DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS

SIGNED BY: Low T

DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A
P.O. Box 220
Autryville, NC 28318
Telephone: (910) 531-3800
Permit # SR0600039

CONTROL # _____

NON-HAZARDOUS WASTE MANIFEST

LOAD # 24 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: SHC CONTACT: Thomas Ammons
WYMS+ PHONE: 910-843-4456
Red Springs, NC

GENERATOR: Sen-Do 41 CONTACT: _____
Aug 41 PHONE: _____
Lumberton, NC

TRANSPORTER: Floyd Grading CONTACT: Colvin Floyd
PHONE: 910-671-1177
Lumberton, NC

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGINATION POINT (complete address): Sen-Do 41
Aug 41
Lumberton, NC

TRUCK # 1014 GROSS WEIGHT: 50560
TARE WEIGHT: 20060 1525
NET WEIGHT: 30500

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: LIST... DATE: 12-20-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): _____ DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS
SIGNED BY: T...
DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

CONTROL # _____

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

NON-HAZARDOUS WASTE MANIFEST

LOAD # 25 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: GHC
104th St
Lumberton, NC

CONTACT: Thomas Ammons
PHONE: 910-843-4456

GENERATOR: Sun-Do 41
High 41
Lumberton NC

CONTACT: _____
PHONE: _____

TRANSPORTER: Floyd Grading
Lumberton NC

CONTACT: Colvin Floyd
PHONE: 910-671-1177

DESTINATION: OAK HILL FARMS
Rt. 3, Box 215A
Autryville, NC 28318

CONTACT: OAK HILL FARMS
PHONE: (910) 531-3800

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGINATION POINT (complete address): Sun-Do 41
High 41
Lumberton, NC

TRUCK # 1040 GROSS WEIGHT: 81200
TARE WEIGHT: 31500 24.85
NET WEIGHT: 49700

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: _____ DATE _____

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): Jimmy Patten 12-21-99
DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS
SIGNED BY: T. Ammons
DATE: 12-21-99

OAK HILL FARMS

APPROVAL# _____

Rt. 3, Box 215A

CONTROL# _____

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

NON-HAZARDOUS WASTE MANIFEST

LOAD # 26 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: SAC CONTACT: Thomas Ammons
W 4th St PHONE: 910-843-4458
Red Springs, NC

GENERATOR: SUN-DO 41 CONTACT: _____
 Hwy 41 PHONE: _____
Lumberton, NC

TRANSPORTER: Floyd Building CONTACT: Calvin Floyd
PHONE: 910-671-1177
Lumberton, NC

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGINATION POINT (complete address): SUN-DO 41
Hwy 41
Lumberton, NC

TRUCK # 1050 GROSS WEIGHT: 82080
TARE WEIGHT: 30780 25.65
NET WEIGHT: 51300

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: LISF's DATE: 12-20-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): Yuey Thompson
DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS
SIGNED BY: [Signature]
DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

CONTROL # _____

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

NON-HAZARDOUS WASTE MANIFEST

LOAD # 27

(number sequentially as trucks are dispatched)

ENVR CONSULTANT: EHC CONTACT: Thomas Ammons
W4th St PHONE: 910-842-4422
Red Springs, NC
GENERATOR: Sun-Do 41 CONTACT: _____
Aug 91 PHONE: _____
Lumber Co, NC
TRANSPORTER: Floyd Grading CONTACT: Calvin Floyd
Lumber Co, NC PHONE: 910-671-1177
DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL
WASTE ORIGINATION POINT (complete address): Sun-Do 41
Aug 91
Lumber Co, NC

TRUCK # 1015 GROSS WEIGHT: 54060
TARE WEIGHT: 20360 16.85
NET WEIGHT: 33700

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: HSB DATE: 12-20-99
TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): Heavy Taylor
DATE: 12-21-99

NOTED DISCREPANCIES: _____
INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS
SIGNED BY: [Signature]
DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

CONTROL # _____

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

NON-HAZARDOUS WASTE MANIFEST

LOAD # 28 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: SHC CONTACT: Thomas Amory
W 4th St PHONE: 843-4456
Red Springs NC

GENERATOR: Sun-Del 41 CONTACT: _____
Hwy 41 PHONE: _____
Lumber ton, NC

TRANSPORTER: Floyd Grading CONTACT: Calvin Floyd
PHONE: 671-1177
Lumber ton, NC

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGINATION POINT (complete address): Sun-Del 41
Hwy 41
Lumber ton, NC

TRUCK # 1016 GROSS WEIGHT: 53540
TARE WEIGHT: 22100 15.72
NET WEIGHT: 31440

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: UST's DATE: 12-20-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): Paul Bullish
DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above:) BY: OAK HILL FARMS
SIGNED BY: [Signature]
DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

CONTROL # _____

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

NON-HAZARDOUS WASTE MANIFEST

LOAD # 29 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: 211C CONTACT: Thomas Andrews
414th St PHONE: 543-4456
Red Spring, NC
GENERATOR: Sun-Do 41 CONTACT: _____
Hwy 41 PHONE: _____
Lumberton, NC
TRANSPORTER: Floyd Grading CONTACT: Calvin Floyd
Lumberton, NC PHONE: 910-671177
DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL
WASTE ORIGATION POINT (complete address): Sun-Do 41
Hwy 41
Lumberton, NC

TRUCK # 1014 GROSS WEIGHT: 49020
TARE WEIGHT: 20060 11-48
NET WEIGHT: 28960

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: OS T DATE: 12-20-99
TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): [Signature]
DATE: 12-21-99

NOTED DISCREPANCIES: _____
INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS
SIGNED BY: [Signature]
DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

CONTROL # _____

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

NON-HAZARDOUS WASTE MANIFEST

LOAD # 30 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: SHC CONTACT: Thomas Amberg
1044 St PHONE: 843-4452
Red Springs, NC

GENERATOR: Sun-Do 41 CONTACT: _____
High 41 PHONE: _____
Red Springs, NC

TRANSPORTER: Floyd Grading CONTACT: Calvin Floyd
Lumber ton, NC PHONE: 671-1177

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGINATION POINT (complete address): Sun-Do 41
High 41
Lumber ton, NC

TRUCK # 1060 GROSS WEIGHT: 50700
TARE WEIGHT: 31500 2460
NET WEIGHT: 49200

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: U.S.T. DATE: 12-20-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): Kimberly Kelly
DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS
SIGNED BY: Tom Henry
DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

CONTROL # _____

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

NON-HAZARDOUS WASTE MANIFEST

LOAD # 31 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: EHC CONTACT: Thomas Ammons
W 4th St PHONE: 910-843-4432
Red Springs, NC

GENERATOR: SUN-DO 41 CONTACT: _____
Aug 41 PHONE: _____
Lumberton, NC

TRANSPORTER: Floyd Grading CONTACT: Calvin Floyd
Lumberton, NC PHONE: 910-671-1177

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGINATION POINT (complete address): SUN-DO 41
Aug 41
Lumberton, NC

TRUCK # 1022 GROSS WEIGHT: 49760
TARE WEIGHT: 20160 14.80
NET WEIGHT: 29600

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: UST DATE: 12-20-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): [Signature] DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS
SIGNED BY: [Signature]
DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A
P.O. Box 220
Autryville, NC 28318
Telephone: (910) 531-3800
Permit # SR0600039

CONTROL # _____

NON-HAZARDOUS WASTE MANIFEST

LOAD # 32 (number sequentially as trucks are dispatched)

ENVR CONSULTANT:	<u>EHC</u> <u>W 9th St</u> <u>Red Springs, NC</u>	CONTACT:	<u>Thomas Ammons</u>
		PHONE:	<u>843-4456</u>
GENERATOR:	<u>SUN-DO 41</u> <u>Hwy 41</u> <u>Lumberton, NC</u>	CONTACT:	_____
		PHONE:	_____
TRANSPORTER:	<u>Floyd Grading</u> <u>Lumberton, NC</u>	CONTACT:	<u>Calvin Floyd</u>
		PHONE:	<u>671-1177</u>
DESTINATION:	<u>OAK HILL FARMS</u> <u>Rt. 3, Box 215A</u> <u>Autryville, NC 28318</u>	CONTACT:	<u>OAK HILL FARMS</u>
		PHONE:	<u>(910) 531-3800</u>

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGINATION POINT (complete address): SUN-DO 41
Hwy 41
Lumberton, NC

TRUCK #	<u>1050</u>	GROSS WEIGHT:	<u>82420</u>	25.82
		TARE WEIGHT:	<u>30780</u>	
		NET WEIGHT:	<u>51640</u>	

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE	SIGNATURE:	DATE
_____	<u>UST's</u>	<u>12-20-99</u>

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material):	<u>Thy Thompson</u>
DATE:	<u>12-21-99</u>

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above):	BY: <u>OAK HILL FARMS</u>
	SIGNED BY: <u>[Signature]</u>
	DATE: <u>12-21-99</u>

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A
P.O. Box 220
Autryville, NC 28318
Telephone: (910) 531-3800
Permit # SR0600039

CONTROL # _____

NON-HAZARDOUS WASTE MANIFEST

LOAD # 33 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: EHIC CONTACT: Thomas Ammons
W44th St PHONE: 843-4456
Red Spring, NC
GENERATOR: SUN-DO 41 CONTACT: _____
Hwy 41 PHONE: _____
Lumberton, NC
TRANSPORTER: Floyd Grading CONTACT: Cofun Floyd
Lumberton, NC PHONE: 671-1177
DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL
WASTE ORIGATION POINT (complete address): SUN-DO 41
Hwy 41
Lumberton, NC

TRUCK # 10460 GROSS WEIGHT: 82800
TARE WEIGHT: 31500 25-65
NET WEIGHT: 51300

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: U.S.T.'s DATE: 12-20-99
TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): [Signature]
DATE: 12-21-99

NOTED DISCREPANCIES: _____
INSPECTED & ACCEPTED (except as noted above): _____ BY: OAK HILL FARMS
SIGNED BY: [Signature]
DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

CONTROL # _____

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

NON-HAZARDOUS WASTE MANIFEST

LOAD # 34

(number sequentially as trucks are dispatched)

ENVR CONSULTANT: EHCW 4th StRed Springs NCCONTACT: Thomas AnnorsPHONE: 843-4456GENERATOR: SUN-Do 41Hwy 41Lumberton, NC

CONTACT: _____

PHONE: _____

TRANSPORTER: Floyd GradingLumberton, NCCONTACT: Calvin FloydPHONE: 671-1177DESTINATION: OAK HILL FARMSRt. 3, Box 215AAutryville, NC 28318CONTACT: OAK HILL FARMSPHONE: (910) 531-3800WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOILWASTE ORIGINATION POINT (complete address): SUN-Do 41Hwy 41
Lumberton, NCTRUCK # 1016GROSS WEIGHT: 53660TARE WEIGHT: 22100NET WEIGHT: 3156015.78

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE

SIGNATURE: LIST'SDATE: 12-20-99TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): Paul DulbeckDATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above):

BY: OAK HILL FARMSSIGNED BY: [Signature]DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

CONTROL # _____

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

NON-HAZARDOUS WASTE MANIFEST

LOAD # 35

(number sequentially as trucks are dispatched)

ENVR CONSULTANT: EHC CONTACT: Thomas Ammons
W 4th St PHONE: 843-4456
Red Springs, NC

GENERATOR: Sun-Do #1 CONTACT: _____
Hwy 41 PHONE: _____
Lumberton, NC

TRANSPORTER: Floyd Grading CONTACT: Calvin Floyd
Lumberton, NC PHONE: 671-1177

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGATION POINT (complete address): Sun-Do #1
Hwy 41
Lumberton, NC

TRUCK # 1014 GROSS WEIGHT: 52300
TARE WEIGHT: 20060 16.12
NET WEIGHT: 32240

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: HST DATE: 12-20-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): _____ DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS
SIGNED BY: [Signature]
DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A
P.O. Box 220
Autryville, NC 28318
Telephone: (910) 531-3800
Permit # SR0600039

CONTROL # _____

NON-HAZARDOUS WASTE MANIFEST

LOAD # 36 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: EHC CONTACT: Thomas Amos
114th St PHONE: 843-4436
Red Springs, NC

GENERATOR: SUN-DO 41 CONTACT: _____
 Hwy 41 PHONE: _____
Lumberton, NC

TRANSPORTER: Floyd Trucking CONTACT: Colvin Floyd
Lumberton, NC PHONE: 671-1177

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGATION POINT (complete address): SUN-DO 41
Hwy 41
Lumberton, NC

TRUCK # 1060 GROSS WEIGHT: 82640
TARE WEIGHT: 31500 2557
NET WEIGHT: 51140

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: UST's DATE: 12-20-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): [Signature]
DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): _____ BY: OAK HILL FARMS
SIGNED BY: [Signature]
DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

CONTROL # _____

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

NON-HAZARDOUS WASTE MANIFEST

LOAD # 37 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: EHC CONTACT: Thomas Amrose
W4 MSF PHONE: 843-4426

GENERATOR: Red Springs, NC CONTACT: _____
SUN-DO 41 PHONE: _____
Fluor 41
Lumberton, NC

TRANSPORTER: Floyd Grading CONTACT: Calvin Floyd
PHONE: 671-1177
Lumberton, NC

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGATION POINT (complete address): Sun-Do 41
Fluor 41
Lumberton, NC

TRUCK # 1050 GROSS WEIGHT: 80580
TARE WEIGHT: 30780 2490
NET WEIGHT: 49800

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: UST's DATE: 12-20-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): [Signature]
DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS

SIGNED BY: [Signature]
DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

CONTROL # _____

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

NON-HAZARDOUS WASTE MANIFEST

LOAD # 38 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: EHC CONTACT: Thomas Ammons
W 4th St PHONE: 843-4456
Red Springs, NC.

GENERATOR: Syn-Do 41 CONTACT: _____
 Hwy 41 PHONE: _____
Lumberton, NC.

TRANSPORTER: Floyd Grading CONTACT: Calvin Floyd
Lumberton, NC PHONE: 671-1177

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGATION POINT (complete address): Syn-Do 41
Hwy 41
Lumberton, NC

TRUCK # 1060 GROSS WEIGHT: 84700
TARE WEIGHT: 31500 2660
NET WEIGHT: 53200

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: UST's Jimmy Parker DATE: 12-21-99
TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): _____ DATE: 12-21-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS
SIGNED BY: [Signature]
DATE: 12-21-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

CONTROL # _____

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

NON-HAZARDOUS WASTE MANIFEST

LOAD # 39 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: EHC CONTACT: Thomas Ammons
114 St PHONE: 843-4456
Red Springs, NC

GENERATOR: Sun-Do 41 CONTACT: _____
Hwy 41 PHONE: _____
Lumberton, NC

TRANSPORTER: Floyd grading CONTACT: Calvin Floyd
PHONE: 671-1177
Lumberton, NC

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGATION POINT (complete address): Sun-Do 41
Hwy 41
Lumberton, NC

TRUCK # 1050 GROSS WEIGHT: 81980
TARE WEIGHT: 30780 25.60
NET WEIGHT: 51200

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: UST3 DATE: 12-20-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): [Signature] DATE: 12-22-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS
SIGNED BY: [Signature]
DATE: 12-22-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

CONTROL # _____

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

NON-HAZARDOUS WASTE MANIFEST

LOAD # 40 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: EMC CONTACT: Thomas Amos
W4th St PHONE: 843-4452
Red Springs, NC
GENERATOR: SUN-Do 41 CONTACT: _____
Hay 41 PHONE: _____
Lumberkill, NC
TRANSPORTER: Floyd Grading CONTACT: Calvin Floyd
Lumberkill, NC PHONE: 671-1177
DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL
WASTE ORIGATION POINT (complete address): SUN-Do 41
Hay 41
Lumberkill, NC

TRUCK # 1016 GROSS WEIGHT: 50660
TARE WEIGHT: 22100 14.28
NET WEIGHT: 28560

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: USTS DATE: 12-20-99
TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): Mark P. [Signature]
DATE: 12-22-99

NOTED DISCREPANCIES _____
INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS
SIGNED BY: [Signature]
DATE: 12-22-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A
P.O. Box 220
Autryville, NC 28318
Telephone: (910) 531-3800
Permit # SR0600039

CONTROL # _____

NON-HAZARDOUS WASTE MANIFEST

LOAD # 41 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: EHC CONTACT: _____
WYB ST PHONE: _____
Reidsprings NC

GENERATOR: SUN DO 41 CONTACT: _____
Hwy 41 PHONE: _____
Lumberton NC

TRANSPORTER: Floyd Grading CONTACT: _____
WYB ST PHONE: _____
Lumberton NC

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS
Rt. 3, Box 215A PHONE: (910) 531-3800
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGATION POINT (complete address): _____

TRUCK # 1040 GROSS WEIGHT: 84200
TARE WEIGHT: 31500 263574
NET WEIGHT: 52700

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE _____ SIGNATURE: VST's DATE: 12-20-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): Jimmy
DATE: 12-22-99

NOTED DISCREPANCIES _____

INSPECTED & ACCEPTED (except as noted above): BY OAK HILL FARMS
SIGNED BY: Tom
DATE: 12-22-99

OAK HILL FARMS

APPROVAL # _____

Rt. 3, Box 215A

CONTROL # _____

P.O. Box 220

Autryville, NC 28318

Telephone: (910) 531-3800

Permit # SR0600039

NON-HAZARDOUS WASTE MANIFEST

LOAD # 112 (number sequentially as trucks are dispatched)

ENVR CONSULTANT: EHC CONTACT: _____

PHONE: _____

GENERATOR: W 977 ST
Reel Springs
SUN 50 LT CONTACT: _____

PHONE: _____

TRANSPORTER: Hwy 41
Lumberton NC
Eloise Gilchrist CONTACT: _____

PHONE: _____

DESTINATION: OAK HILL FARMS CONTACT: OAK HILL FARMS

PHONE: (910) 531-3800

Rt. 3, Box 215A
Autryville, NC 28318

WASTE DESCRIPTION: NON-HAZARDOUS VIRGIN PETROLEUM CONTAMINATED SOIL

WASTE ORIGATION POINT (complete address): _____

TRUCK # 1014 GROSS WEIGHT: 49260
TARE WEIGHT: 20060 1460
NET WEIGHT: 29200

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

PRINTED/TYPED NAME, TITLE SIGNATURE: DATE

UST's [Signature] 12-20-99

TRUCK DRIVER'S SIGNATURE (acknowledgement of receipt of material): [Signature]
DATE: 12-22-99

NOTED DISCREPANCIES: _____

INSPECTED & ACCEPTED (except as noted above): BY: OAK HILL FARMS

SIGNED BY: [Signature]

DATE: 12-22-99

APPENDIX E
Laboratory Analytical Results



**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Adam Benigar
EHC, Inc.
PO Box 902
Red Springs, NC 28377

December 30, 1999

Date Received : December 23, 1999
Description : Soil - Sun-do Rte 41
Sample ID : SP-1
Collected By : Adam Benigar
Collection Date : 12/20/99 00:00

ESC Sample # : L7980-01
ESC Key : ENVHYD-99-12012
Site ID :
Project # : 99-12012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	87.		%	2540G	12/23/99	1
TPH (GC/FID) Low Fraction	730	29.	mg/kg	5030	12/28/99	50
Surrogate Recovery a,a,a-Trifluorotoluene	130		% Rec.	5030	12/28/99	50

Ken Hayes, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

This report shall not be reproduced, except in full, without the written approval from ESC.
The reported analytical results relate only to the sample submitted



**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Adam Benigar
EHC, Inc.
PO Box 902
Red Springs, NC 28377

December 30, 1999

Date Received : December 23, 1999
Description : Soil - Sun-do Rte 41
Sample ID : SP-2
Collected By : Adam Benigar
Collection Date : 12/20/99 00:00

ESC Sample # : L7980-02
ESC Key : ENVHYD-99-12012
Site ID :
Project # : 99-12012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	86.		%	2540G	12/23/99	1
TPH (GC/FID) Low Fraction	790	29.	mg/kg	5030	12/28/99	50
Surrogate Recovery a,a,a-Trifluorotoluene	130		% Rec.	5030	12/28/99	50

Ken Hayes, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

This report shall not be reproduced, except in full, without the written approval from ESC.
The reported analytical results relate only to the sample submitted



**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

December 30, 1999

Mr. Adam Benigar
ESC, Inc.
PO Box 902
Red Springs, NC 28377

Date Received : December 23, 1999
Description : Soil - Sun-do Rte 41
Sample ID : SP-3
Collected By : Adam Benigar
Collection Date : 12/20/99 00:00

ESC Sample # : L7980-03
ESC Key : ENVHYD-99-12012
Site ID :
Project # : 99-12012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	86.		%	2540G	12/23/99	1
TPH (GC/FID) Low Fraction	BDL	2.9	mg/kg	5030	12/28/99	5
Surrogate Recovery a,a,a-Trifluorotoluene	110		% Rec.	5030	12/28/99	5
TPH (GC/FID) High Fraction	BDL	4.6	mg/kg	3550/DRO	12/28/99	1
Surrogate Recovery o-Terphenyl	82.		% Rec.	3550/DRO	12/28/99	1
o-Terphenyl	82.		% Rec.	3550/DRO	12/28/99	1

Ken Hayes, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

This report shall not be reproduced, except in full, without the written approval from ESC.

The reported analytical results relate only to the sample submitted



**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

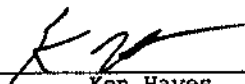
December 30, 1999

Mr. Adam Benigar
EHC, Inc.
PO Box 902
Red Springs, NC 28377

Date Received : December 23, 1999
Description : Soil - Sun-do Rte 41
Sample ID : D-1
Collected By : Adam Benigar
Collection Date : 12/21/99 00:00

ESC Sample # : L7980-04
ESC Key : ENVHYD-99-12012
Site ID :
Project # : 99-12012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	90.		%	2540G	12/23/99	1
TPH (GC/FID) Low Fraction	BDL	2.8	mg/kg	5030	12/28/99	5
Surrogate Recovery a,a,a-Trifluorotoluene	110		% Rec.	5030	12/28/99	5
TPH (GC/FID) High Fraction	BDL	4.4	mg/kg	3550/DRO	12/28/99	1
Surrogate Recovery o-Terphenyl	88.		% Rec.	3550/DRO	12/28/99	1
o-Terphenyl	88.		% Rec.	3550/DRO	12/28/99	1


Ken Hayes, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

This report shall not be reproduced, except in full, without the written approval from ESC.

The reported analytical results relate only to the sample submitted



**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS


December 30, 1999

Mr. Adam Benigar
EHC, Inc.
PO Box 902
Red Springs, NC 28377

Date Received : December 23, 1999
Description : Soil - Sun-do Rte 41
Sample ID : D-2
Collected By : Adam Benigar
Collection Date : 12/21/99 00:00

ESC Sample # : L7980-05
ESC Key : ENVHYD-99-12012
Site ID :
Project # : 99-12012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	91.		%	2540G	12/23/99	1
TPH (GC/FID) Low Fraction	940	27.	mg/kg	5030	12/28/99	50
Surrogate Recovery a,a,a-Trifluorotoluene	120		% Rec.	5030	12/28/99	50
TPH (GC/FID) High Fraction	36.	4.4	mg/kg	3550/DRO	12/28/99	1
Surrogate Recovery o-Terphenyl	93.		% Rec.	3550/DRO	12/28/99	1
o-Terphenyl	93.		% Rec.	3550/DRO	12/28/99	1


Ken Hayes, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

This report shall not be reproduced, except in full, without the written approval from ESC.
The reported analytical results relate only to the sample submitted



**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

December 30, 1999

Mr. Adam Benigar
EHC, Inc.
PO Box 902
Red Springs, NC 28377

Date Received : December 23, 1999
Description : Soil - Sun-do Rte 41
Sample ID : D-3
Collected By : Adam Benigar
Collection Date : 12/21/99 00:00

ESC Sample # : L7980-06
ESC Key : ENVHYD-99-12012
Site ID :
Project # : 99-12012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	87.		%	2540G	12/23/99	1
TPH (GC/FID) Low Fraction	BDL	2.9	mg/kg	5030	12/28/99	5
Surrogate Recovery a,a,a-Trifluorotoluene	110		% Rec.	5030	12/28/99	5
TPH (GC/FID) High Fraction	9.6	4.6	mg/kg	3550/DRO	12/28/99	1
Surrogate Recovery o-Terphenyl	85.		% Rec.	3550/DRO	12/28/99	1
o-Terphenyl	85.		% Rec.	3550/DRO	12/28/99	1

Ken Hayes, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

This report shall not be reproduced, except in full, without the written approval from ESC.
The reported analytical results relate only to the sample submitted



**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859
Tax I.D. 62-0814289
Est. 1970

REPORT OF ANALYSIS

December 30, 1999

Mr. Adam Benigar
EHC, Inc.
PO Box 902
Red Springs, NC 28377

Date Received : December 23, 1999
Description : Soil - Sun-do Rte 41
Sample ID : TMW-1 5 FT
Collected By : Adam Benigar
Collection Date : 12/21/99 00:00

ESC Sample # : L7980-07
ESC Key : ENVHYD-99-12012
Site ID :
Project # : 99-12012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	89.		%	2540G	12/23/99	1
TPH (GC/FID) Low Fraction	BDL	2.8	mg/kg	5030	12/28/99	5
Surrogate Recovery a,a,a-Trifluorotoluene	110		% Rec.	5030	12/28/99	5

Ken Hayes, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

This report shall not be reproduced, except in full, without the written approval from ESC.
The reported analytical results relate only to the sample submitted



**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

December 30, 1999

Mr. Adam Benigar
EHC, Inc.
PO Box 902
Red Springs, NC 28377

Date Received : December 23, 1999
Description : Soil - Sun-do Rte 41
Sample ID : TMW-2 5 FT
Collected By : Adam Benigar
Collection Date : 12/21/99 00:00

ESC Sample # : L7980-08
ESC Key : ENVHYD-99-12012
Site ID :
Project # : 99-12012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	88.		%	2540G	12/23/99	1
TPH (GC/FID) Low Fraction	BDL	2.8	mg/kg	5030	12/28/99	5
Surrogate Recovery a,a,a-Trifluorotoluene	110		% Rec.	5030	12/28/99	5
TPH (GC/FID) High Fraction	BDL	4.5	mg/kg	3550/DRO	12/28/99	1
Surrogate Recovery o-Terphenyl	93.		% Rec.	3550/DRO	12/28/99	1
o-Terphenyl	93.		% Rec.	3550/DRO	12/28/99	1

Ken Hayes, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:
AZLA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:
This report shall not be reproduced, except in full, without the written approval from ESC.
The reported analytical results relate only to the sample submitted



**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

January 04, 2000

Mr. Adam Benigar
EHC, Inc.
PO Box 902
Red Springs, NC 28377

Date Received : December 23, 1999
Description : Water - Sun-do Rte 41
Sample ID : TMW-1
Collected By : Adam Benigar
Collection Date : 12/21/99 00:00

ESC Sample # : L7980-09
ESC Key : ENVHYD-99-12012
Site ID :
Project # : 99-12012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Lead	45.	5.0	ug/l	6010	12/27/99	1
Volatile Petroleum Hydrocarbons	4300	100	ug/l	MADEPV	12/24/99	1
C5-C8 Aliphatics	3400	100	ug/l	MADEPV	12/24/99	1
C9-C12 Aliphatics	1200	100	ug/l	MADEPV	12/24/99	1
C9-C10 Aromatics	290	100	ug/l	MADEPV	12/24/99	1
Surrogate Recovery						
a,a,a-Trifluorotoluene	88.		% Rec.	MADEPV	12/24/99	1
2,5-Dibromotoluene	90.		% Rec.	MADEPV	12/24/99	1
Volatile Organics						
Benzene	330	100	ug/l	601/602MS	12/27/99	100
Bromodichloromethane	BDL	100	ug/l	601/602MS	12/27/99	100
Bromoform	BDL	100	ug/l	601/602MS	12/27/99	100
Bromomethane	BDL	100	ug/l	601/602MS	12/27/99	100
Carbon Tetrachloride	BDL	100	ug/l	601/602MS	12/27/99	100
Chlorobenzene	BDL	100	ug/l	601/602MS	12/27/99	100
Chlorodibromomethane	BDL	100	ug/l	601/602MS	12/27/99	100
Chloroethane	BDL	100	ug/l	601/602MS	12/27/99	100
2-Chloroethyl vinyl ether	BDL	100	ug/l	601/602MS	12/27/99	100
Chloroform	BDL	100	ug/l	601/602MS	12/27/99	100
Chloromethane	BDL	100	ug/l	601/602MS	12/27/99	100
1,2-Dibromoethane	BDL	100	ug/l	601/602MS	12/27/99	100
1,2-Dichlorobenzene	BDL	100	ug/l	601/602MS	12/27/99	100
1,3-Dichlorobenzene	BDL	100	ug/l	601/602MS	12/27/99	100
1,4-Dichlorobenzene	BDL	100	ug/l	601/602MS	12/27/99	100
Dichlorodifluoromethane	BDL	100	ug/l	601/602MS	12/27/99	100
1,1-Dichloroethane	BDL	100	ug/l	601/602MS	12/27/99	100
1,2-Dichloroethane	BDL	100	ug/l	601/602MS	12/27/99	100
1,1-Dichloroethene	BDL	100	ug/l	601/602MS	12/27/99	100
trans-1,2-Dichloroethene	BDL	100	ug/l	601/602MS	12/27/99	100
1,2-Dichloropropane	BDL	100	ug/l	601/602MS	12/27/99	100
cis-1,3-Dichloropropene	BDL	100	ug/l	601/602MS	12/27/99	100
trans-1,3-Dichloropropene	BDL	100	ug/l	601/602MS	12/27/99	100
Di-isopropyl ether	BDL	500	ug/l	601/602MS	12/27/99	100
Ethylbenzene	BDL	100	ug/l	601/602MS	12/27/99	100
Methylene chloride	BDL	500	ug/l	601/602MS	12/27/99	100
Methyl tert-butyl ether	880	500	ug/l	601/602MS	12/27/99	100
1,1,2,2-Tetrachloroethane	BDL	100	ug/l	601/602MS	12/27/99	100

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233



**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Adam Benigar
EHC, Inc.
PO Box 902
Red Springs, NC 28377

January 04, 2000

Date Received : December 23, 1999
Description : Water - Sun-do Rte 41
Sample ID : TMW-1
Collected By : Adam Benigar
Collection Date : 12/21/99 00:00

ESC Sample # : L7980-09
ESC Key : ENVHYD-99-12012
Site ID :
Project # : 99-12012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Tetrachloroethene	BDL	100	ug/l	601/602MS	12/27/99	100
1,1,1-Trichloroethane	BDL	100	ug/l	601/602MS	12/27/99	100
1,1,2-Trichloroethane	BDL	100	ug/l	601/602MS	12/27/99	100
Trichloroethene	BDL	100	ug/l	601/602MS	12/27/99	100
Trichlorofluoromethane	BDL	100	ug/l	601/602MS	12/27/99	100
Toluene	670	100	ug/l	601/602MS	12/27/99	100
Vinyl chloride	BDL	100	ug/l	601/602MS	12/27/99	100
o-Xylene	120	100	ug/l	601/602MS	12/27/99	100
m&p-Xylene	230	100	ug/l	601/602MS	12/27/99	100

Ken Hayes, ESC Representative

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:

AZLA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.



**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Adam Benigar
EHC, Inc.
PO Box 902
Red Springs, NC 28377

January 04, 2000

Date Received : December 23, 1999
Description : Water - Sun-do Rte 41
Sample ID : TMW-2
Collected By : Adam Benigar
Collection Date : 12/21/99 00:00

ESC Sample # : L7980-10
ESC Key : ENVHYD-99-12012
Site ID :
Project # : 99-12012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
Volatile Petroleum Hydrocarbons	BDL	100	ug/l	MADEPV	12/24/99	1
C5-C8 Aliphatics	BDL	100	ug/l	MADEPV	12/24/99	1
C9-C12 Aliphatics	BDL	100	ug/l	MADEPV	12/24/99	1
C9-C10 Aromatics	BDL	100	ug/l	MADEPV	12/24/99	1
Surrogate Recovery						
a,a,a-Trifluorotoluene	97.		% Rec.	MADEPV	12/24/99	1
2,5-Dibromotoluene	89.		% Rec.	MADEPV	12/24/99	1
Volatile Organics						
Benzene	17.	1.0	ug/l	601/602MS	12/27/99	1
Bromodichloromethane	BDL	1.0	ug/l	601/602MS	12/27/99	1
Bromoform	BDL	1.0	ug/l	601/602MS	12/27/99	1
Bromomethane	BDL	1.0	ug/l	601/602MS	12/27/99	1
Carbon Tetrachloride	BDL	1.0	ug/l	601/602MS	12/27/99	1
Chlorobenzene	BDL	1.0	ug/l	601/602MS	12/27/99	1
Chlorodibromomethane	BDL	1.0	ug/l	601/602MS	12/27/99	1
Chloroethane	BDL	1.0	ug/l	601/602MS	12/27/99	1
2-Chloroethyl vinyl ether	BDL	1.0	ug/l	601/602MS	12/27/99	1
Chloroform	BDL	1.0	ug/l	601/602MS	12/27/99	1
Chloromethane	BDL	1.0	ug/l	601/602MS	12/27/99	1
1,2-Dibromoethane	BDL	1.0	ug/l	601/602MS	12/27/99	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	601/602MS	12/27/99	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	601/602MS	12/27/99	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	601/602MS	12/27/99	1
Dichlorodifluoromethane	BDL	1.0	ug/l	601/602MS	12/27/99	1
1,1-Dichloroethane	BDL	1.0	ug/l	601/602MS	12/27/99	1
1,2-Dichloroethane	BDL	1.0	ug/l	601/602MS	12/27/99	1
1,1-Dichloroethene	BDL	1.0	ug/l	601/602MS	12/27/99	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	601/602MS	12/27/99	1
1,2-Dichloropropane	BDL	1.0	ug/l	601/602MS	12/27/99	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	601/602MS	12/27/99	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	601/602MS	12/27/99	1
Di-isopropyl ether	BDL	5.0	ug/l	601/602MS	12/27/99	1
Ethylbenzene	BDL	1.0	ug/l	601/602MS	12/27/99	1
Methylene chloride	BDL	5.0	ug/l	601/602MS	12/27/99	1
Methyl tert-butyl ether	BDL	5.0	ug/l	601/602MS	12/27/99	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	601/602MS	12/27/99	1
Tetrachloroethene	BDL	1.0	ug/l	601/602MS	12/27/99	1

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233



ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

January 04, 2000

Mr. Adam Benigar
EHC, Inc.
PO Box 902
Red Springs, NC 28377

Date Received : December 23, 1999
Description : Water - Sun-do Rte 41
Sample ID : TMW-2
Collected By : Adam Benigar
Collection Date : 12/21/99 00:00

ESC Sample # : L7980-10
ESC Key : ENVHYD-99-12012
Site ID :
Project # : 99-12012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1,1-Trichloroethane	BDL	1.0	ug/l	601/602MS	12/27/99	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	601/602MS	12/27/99	1
Trichloroethene	BDL	1.0	ug/l	601/602MS	12/27/99	1
Trichlorofluoromethane	BDL	1.0	ug/l	601/602MS	12/27/99	1
Toluene	BDL	1.0	ug/l	601/602MS	12/27/99	1
Vinyl chloride	BDL	1.0	ug/l	601/602MS	12/27/99	1
o-Xylene	BDL	1.0	ug/l	601/602MS	12/27/99	1
m&p-Xylene	BDL	1.0	ug/l	601/602MS	12/27/99	1
Surrogate Recovery						
o-Terphenyl	41.		% Rec.	MADEPE	12/28/99	1
Extractable Petroleum Hydrocarb	130	100	ug/l	MADEPE	12/28/99	1
C9-C18 Aliphatics	BDL	100	ug/l	MADEPE	12/28/99	1
C19-C36 Aliphatics	BDL	100	ug/l	MADEPE	12/28/99	1
C11-C22 Aromatics	130	100	ug/l	MADEPE	12/28/99	1
Surrogate Recovery						
o-Terphenyl	41.		% Rec.	MADEPE	12/28/99	1
1-Chloro-octadecane	8.2		% Rec.	MADEPE	12/28/99	1
625 Base/Nuetrals w/ TIC						
Acenaphthene	BDL	10.	ug/l	625	12/28/99	1
Acenaphthylene	BDL	10.	ug/l	625	12/28/99	1
Anthracene	BDL	10.	ug/l	625	12/28/99	1
Benidine	BDL	50.	ug/l	625	12/28/99	1
Benzo(a)anthracene	BDL	10.	ug/l	625	12/28/99	1
Benzo(b)fluoranthene	BDL	10.	ug/l	625	12/28/99	1
Benzo(k)fluoranthene	BDL	10.	ug/l	625	12/28/99	1
Benzo(g,h,i)perylene	BDL	10.	ug/l	625	12/28/99	1
Benzo(a)pyrene	BDL	10.	ug/l	625	12/28/99	1
Bis(2-chlorethoxy)methane	BDL	10.	ug/l	625	12/28/99	1
Bis(2-chloroethyl) ether	BDL	10.	ug/l	625	12/28/99	1
Bis(2-chloroisopropyl) ether	BDL	10.	ug/l	625	12/28/99	1
4-Bromophenyl-phenylether	BDL	10.	ug/l	625	12/28/99	1
2-Chloronaphthalene	BDL	10.	ug/l	625	12/28/99	1
4-Chlorophenyl-phenylether	BDL	10.	ug/l	625	12/28/99	1
Chrysene	BDL	10.	ug/l	625	12/28/99	1
Dibenz(a,h)anthracene	BDL	10.	ug/l	625	12/28/99	1
3,3-Dichlorobenzidine	BDL	10.	ug/l	625	12/28/99	1

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:

AZLA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Page 12 of 14



ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Adam Benigar
EHC, Inc.
PO Box 902
Red Springs, NC 28377

January 04, 2000

Date Received : December 23, 1999
Description : Water - Sun-do Rte 41
Sample ID : TMW-2
Collected By : Adam Benigar
Collection Date : 12/21/99 00:00

ESC Sample # : L7980-10
ESC Key : ENVHYD-99-12012
Site ID :
Project # : 99-12012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrotoluene	BDL	10.	ug/l	625	12/28/99	1
2,6-Dinitrotoluene	BDL	10.	ug/l	625	12/28/99	1
Fluoranthene	BDL	10.	ug/l	625	12/28/99	1
Fluorene	BDL	10.	ug/l	625	12/28/99	1
Hexachlorobenzene	BDL	10.	ug/l	625	12/28/99	1
Hexachloro-1,3-butadiene	BDL	10.	ug/l	625	12/28/99	1
Hexachlorocyclopentadiene	BDL	10.	ug/l	625	12/28/99	1
Hexachloroethane	BDL	10.	ug/l	625	12/28/99	1
Indeno(1,2,3-cd)pyrene	BDL	10.	ug/l	625	12/28/99	1
Isophorone	BDL	10.	ug/l	625	12/28/99	1
Naphthalene	BDL	10.	ug/l	625	12/28/99	1
Nitrobenzene	BDL	10.	ug/l	625	12/28/99	1
n-Nitrosodimethylamine	BDL	10.	ug/l	625	12/28/99	1
n-Nitrosodiphenylamine	BDL	10.	ug/l	625	12/28/99	1
n-Nitrosodi-n-propylamine	BDL	10.	ug/l	625	12/28/99	1
Phenanthrene	BDL	10.	ug/l	625	12/28/99	1
Benzylbutyl phthalate	BDL	10.	ug/l	625	12/28/99	1
Bis(2-ethylhexyl)phthalate	BDL	10.	ug/l	625	12/28/99	1
Di-n-butyl phthalate	BDL	10.	ug/l	625	12/28/99	1
Diethyl phthalate	BDL	10.	ug/l	625	12/28/99	1
Dimethyl phthalate	BDL	10.	ug/l	625	12/28/99	1
Di-n-octyl phthalate	BDL	10.	ug/l	625	12/28/99	1
Pyrene	BDL	10.	ug/l	625	12/28/99	1
1,2,4-Trichlorobenzene	BDL	10.	ug/l	625	12/28/99	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	10.	ug/l	625	12/28/99	1
2-Chlorophenol	BDL	10.	ug/l	625	12/28/99	1
2,4-Dichlorophenol	BDL	10.	ug/l	625	12/28/99	1
2,4-Dimethylphenol	BDL	10.	ug/l	625	12/28/99	1
4,6-Dinitro-2-methylphenol	BDL	10.	ug/l	625	12/28/99	1
2,4-Dinitrophenol	BDL	10.	ug/l	625	12/28/99	1
2-Nitrophenol	BDL	10.	ug/l	625	12/28/99	1
4-Nitrophenol	BDL	10.	ug/l	625	12/28/99	1
Pentachlorophenol	BDL	10.	ug/l	625	12/28/99	1
Phenol	BDL	10.	ug/l	625	12/28/99	1
2,4,6-Trichlorophenol	BDL	10.	ug/l	625	12/28/99	1
Surrogate Recovery						
Nitrobenzene-d5	71.		% Rec.	625	12/28/99	1
2-Fluorobiphenyl	76.		% Rec.	625	12/28/99	1

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:

A21A - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST : 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Page 13 of 14



**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Adam Benigar
EHC, Inc.
PO Box 902
Red Springs, NC 28377

January 04, 2000

Date Received : December 23, 1999
Description : Water - Sun-do Rte 41
Sample ID : TMW-2
Collected By : Adam Benigar
Collection Date : 12/21/99 00:00

ESC Sample # : L7980-10
ESC Key : ENVHYD-99-12012
Site ID :
Project # : 99-12012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
p-Terphenyl-d14	75.		% Rec.	625	12/28/99	1
Phenol-d5	30.		% Rec.	625	12/28/99	1
2-Fluorophenol	40.		% Rec.	625	12/28/99	1
2,4,6-Tribromophenol	75.		% Rec.	625	12/28/99	1

Ken Hayes, ESC Representative

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.



VPH (Aliphatics/Aromatics) Laboratory Reporting Form Continued

Client Name: EHC, Inc. Laboratory Name: Environmental Science Corporation
 Project Name: Sun-do Route 41 NC Certification # (Lab): 375
 Site Location: _____

Include Appropriate Units

Sample Information and Analytical Results	
Sample Identification	L7980-09 L7980-10
Sample Description	TMW-1 TMW-2
Sample Matrix	WATER WATER
Collection Option (for soil)*	N/A N/A
Date Collected	12/21/99 12/21/99
Date Received	12/23/99 12/23/99
Date Extracted	N/A N/A
Date Analyzed	12/24/99 12/24/99
Dry Weight	N/A N/A
Dilution Factor	1 1
C5-C8 Aliphatics*	3400 ug/L <100 ug/L
C9-C12 Aliphatics*	1200 ug/L <100 ug/L
C9-C10 Aromatics*	290 ug/L <100 ug/L
Surrogate % Recovery - PID	88 97
Surrogate % Recovery - FID	90% 89

*Option 1=Established fill line on vial Option 2=Sampling Device (indicate brand, e.g. EnCore) Option 3= Field weight of soil
 **Range results should exclude any surrogates, internal standards, or Target PAH analytes.

Summary	
Percent Recovery - Fortified Blank (Spike) - PID	119.8
Relative Percent Difference - PID Duplicate	3.6%
Percent Recovery - Fortified Blank (Spike) - FID	98.3
Relative Percent Difference - FID Duplicate	4.4%

Percent Recovery - Fortified Blank (Spike) - PID
 Relative Percent Difference - PID Duplicate
 Percent Recovery - Fortified Blank (Spike) - FID
 Relative Percent Difference - FID Duplicate



Attachment 2
VPH Laboratory Reporting Form

Initial Calibration Date 12/13/99

Calibration Ranges and Limits

C5-C8 Aliphatics	0.080 mg/L		0.1 mg/l
C-5-C-12 Aliphatics	0.055 mg/L		0.1 mg/l
C-9-C-10 Aromatics	0.010 mg/L		0.1 mg/l

NOTE: Please include units as appropriate

Calibration Concentration Levels

C5-C8 Aliphatics	0.080 mg/L	CCC 5.600 Average Response
	0.375 mg/L	
	0.750 mg/L	
	6.0 mg/kg	
	12.0 mg/L	
C-9-C-12 Aliphatics	0.055 mg/L	CCC 8.900 Average Response
	0.275 mg/L	
	0.550 mg/L	
	4.40 mg/L	
	8.0 mg/L	
C-9-C-10 Aromatics	0.010 mg/L	CCC 0.998 Linear Response
	0.050 mg/L	
	0.100 mg/L	
	0.800 mg/L	
	1.60 mg/L	

NOTE: Please indicate units as appropriate.

Calibration Check Date _____

Calibration Check

Range	Level	Control Value	%RPD
C-5-C-8 Aliphatics	0.75 mg/L		3.6%
C-9-C-12 Aliphatics	0.55 mg/L		6.9%
C-9-C-10 Aromatics	0.1 mg/L		0.5%

MDL=Method Detection Limit
ML=Minimum Limit
RL= Reportable Limit

RPD= Relative Percent Difference
%RSD= Percent Relative Standard Deviation
CCC= Correlation Coefficient of Curve



EPH (Aliphatics/Aromatics) Laboratory Reporting Form Continued

Client Name: _____ Environmental Hydrogeological _____ Laboratory Name: Environmental Science Corporation
 Project Name: Sun-do Route 41 NC Certification # (Lab) 375
 Site Location: _____

Include Appropriate Units

Sample Information and Analytical Results	
Sample Identification	L7980-10
Sample Description	TMW-2
Sample Matrix	WATER
Date Collected	12/21/99
Date Received	12/23/99
Date Extracted	12/28/99
Date Analyzed	12/28/99
Dry Weight	N/A
Dilution Factor	1
C9-C-18 Aliphatics*	<100 ug/L
C19-C36 Aliphatics*	<100 ug/L
C11-C22 Aromatics*	130 ug/L
Surrogate % Recovery	8.2
Surrogate % Recovery	41
Fractionation Surrogate % Recovery	82
Fractionation Surrogate % Recovery	63

*Range results should exclude any surrogates, internal standards, or Target PAH analytes.

200000	38	58
4	19	21

Percent Recovery - Fortified Blank (Spike)
 Relative Percent Difference - Sample Duplicates



Attachment 3
EPH Laboratory Reporting Form

Initial Calibration Date 7/29/98

Calibration Ranges and Limits

C9-C18 Aliphatics	0.016 mg/L	0.051 mg/L	0.1 mg/L
C19-C-36 Aliphatics	0.010 mg/L	0.032 mg/L	0.1 mg/L
C11-C22 Aromatics	0.030 mg/L	0.097 mg/L	0.1 mg/L

NOTE: Please include units as appropriate

Method of Quantitation (Circle one): Curve or Average Response Factor
Calibration Concentration Levels

C9-C18 Aliphatics	0.080 mg/L	CCC 0.999 Linear Fit
	0.375 mg/L	
	0.750 mg/L	
	6.0 mg/L	
	12.0 mg/L	
Aliphatics	0.055 mg/L	CCC 0.999 Linear Fit
	0.275 mg/L	
	0.550 mg/L	
	4.40 mg/L	
	8.0 mg/L	
C-11-C-22 Aromatics	0.010 mg/L	CCC 1 Linear Fit
	0.050 mg/L	
	0.100 mg/L	
	0.800 mg/L	
	1.60 mg/L	

NOTE: Please indicate units as appropriate.

Calibration Check Date

Calibration Check

Range	Level	RPD
C-9-C-18 Aliphatics	300.00 mg/L	5.9%
C-19-C-36 Aliphatics	400.00 mg/L	5.2%
C-11-C-22 Aromatics	425.00 mg/L	2.3%

MDL=Method Detection Limit
ML=Minimum Limit
RL= Reportable Limit

RPD= Relative Percent Difference
%RSD= Percent Relative Standard Deviation
CCC= Correlation Coefficient of Curve

Tentatively Identified Compound (LSC) summary

Operator ID: 345 Date Acquired: 28 Dec 1999 10:12 pm
 Data File: C:\HPCHEM\1\DATA\122899\1228_12.D
 Name: L7980-10 1x WG7013 1000-1 12/28
 isc: surr-be010101s1188
 Method: C:\HPCHEM\1\METHODS\8270CCB.M (RTE Integrator)
 Title: 8270 BNA
 Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
2-Pentanone, 4-hydro	7.96	0.0	ug/mL	1083970	ISTD01	10.95	5109670	40.0
9-Octadecenamide, (Z	21.86	0.0	ug/mL	1653060	ISTD05	22.90	5008010	40.0
Butanamide, 3-methyl	24.15	0.0	ug/mL	2049750	ISTD05	22.90	5008010	40.0
2,6,10-Dodecatrien-1	24.32	0.0	ug/mL	503274	ISTD06	25.62	2210750	40.0

1228_12.D 8270CCB.M Wed Dec 29 14:15:41 1999

APPENDIX F
Chain-of-Custody Records

Prepared by:
**ENVIRONMENTAL
SCIENCE CORP.**
12065 Lebanon Road
Mt. Juliet, TN 37122
(615) 758-5858
(800) 767-5859
FAX (615) 758-5859

Analysis/Preservative/Container

5030 (Geo)
3550 (Geo)
601/602 w/ IPE, MRE, EDB + Xylens
MADRP VPH
Lead
GSS w/10 Lampst Pinks
MADRP EPH

Remarks/Contaminant Sample # (lab only)

155
↓
↓
↓
↓
IPC, IR, YV, IZ

Alternate billing information:

Environmental Hydrogeological Consultant
PO Box 902
Red Springs, NC 28377-

Report to: Adam Beniga Project name: Sun-do Rte 41
Phone: (910)-843-4456 Project #: 99-17612 P.O.#:
FAX: (910)-843-5376 Facility ID#: Robeson Industry:

Collected by (print): Adam Beniga County (Soil): Robeson State: NC
Collected by (signature): [Signature] (Lab MUST Be Notified) Date Results Needed:

Adam Beniga
— <24 hr 200%
— 24-48 hr 100%
— 48-72 hr 50%
Rush? () FAX? No Yes of Cntrs

Sample Location/ID	Comp/Grab	Matrix*	Depth	Date	No	Yes	Time	Cntrs
SP-1	G	SS		12-20-99				
SP-2				12-20-99				
SP-3				12-20-99				
P-1				12-21-99				
D-2				12-21-99				
D-3				12-21-99				
TMW-1 (5')				12-21-99				
TMW-2 (5')				12-21-99				
TMW-1	G	GW		12-21-99				

*Matrix: SS - Soil GW - Groundwater TW - Treated Groundwater WW - WasteWater WS - Water Sample WO - Waste Oil DW - Drinking Water SL - Sludge SD - Sediment OT - Other

Remarks:

Relinquished by: (Signature) [Signature] Date: 12/22/99 Time: 12:30
Relinquished by: (Signature) [Signature] Date: _____ Time: _____
Relinquished by: (Signature) _____ Date: _____ Time: _____

Received by: (Signature) [Signature] Date: Feb - X
Received by: (Signature) _____ Date: _____

Samples returned via: UPS FedEx Courier



**North Carolina
Department of Environmental Quality
Underground Storage Tank
Field Inspection Report**

Facility ID: 00-0-0000018702
Facility Name: SUNDO - 41

Inspection Date: 10/13/2022
Facility Address:
3623 MARTIN LUTHER KING DRIVE
LUMBERTON, NC, 28358
Robeson County

Inspection Notes:

TANKS - GLASSTEL TANKS, INVOICE #90562 FROM MECO DATED 6-21-2001
ACT100
SPILLS OVERFILLS & SUMPS - KERO CHANGED TO NON ETHANOL. NEEDS
VAPOR RECOVERY.

The following issues were noted during this inspection.

Violations

Violation #1 Violation Code: UPG3(1)

Failure to meet the overfill requirements of a 'new tank system'.

Required Corrective Action(s):

- Overfill equipment at incorrect height or needs repair on "new tank system". (Tank#4(Premium), Tank#5(Regular))

Deficiencies

Deficiency #1 Violation Code: OPTR4

Failure to maintain regulatory compliance which requires Primary Operator retraining.

Required Corrective Action(s):

- Obtain retraining as a Primary Operator. (Site#00-0-0000018702)

Inspector's Printed Name
Pamela Harrelson

Signature

A handwritten signature in blue ink that reads "Pamela Harrelson". The signature is written in a cursive style with a large initial 'P'.

Date 10/14/2022

Disclaimer: This document is an informal evaluation of the deficiencies documented during the inspection and does not constitute a final determination of compliance status with either state or federal Underground Storage Tank (UST) regulations. A formal Notice of Violation listing the violations of the states UST regulations may be sent to the owner and/or operator of the facility.



NORTH CAROLINA
Environmental Quality

ROY COOPER

Governor

MICHAEL S. REGAN

Secretary

MICHAEL SCOTT

Director

December 19, 2019

CERTIFIED MAIL 70162140000088794212

RETURN RECEIPT REQUESTED

Christopher Oliver, Registered Agent
Oliver Oil Company
P O Box 1266
Lumberton, NC 28359

Re: NOTICE OF VIOLATION OF 15A NCAC 2N 15A NCAC 2N .0301(UPG3),
SunDo - 41
3623 Martin Luther King Drive, Lumberton, NC 28358
Robeson County
Facility ID#: 00-0-0000018702

Dear Christopher Oliver:

On December 18, 2019, I conducted a compliance inspection at the above-referenced facility. I observed that underground storage tanks (USTs) at Sundo - 41 are not in compliance with North Carolina UST regulations (North Carolina Administrative Code [NCAC] 2N "Criteria and Standards Applicable to Underground Storage Tanks). According to those rules (15A NCAC 2N .0203) Oliver Oil Company is identified as the owner and/or operator of UST(s) at Sundo - 41.

The following violations of the state rules (15A NCAC 2N) were observed on December 18, 2019 at Sundo - 41. Following each violation are the actions required to correct the violations:

Violation 1: 15A NCAC 2N .0301 UPG3; Failure to meet the overfill control requirements of a 'new tank system' as required by federal regulation 40 CFR 280.20(c) (as incorporated by 15A NCAC 2N .0301).

Corrective Action(s):

All UST systems installed after December 22, 1988 are defined as 'new tank systems.' All "new tank systems" that are filled by transfers of more than 25 gallons at one time are required to have overfill control equipment. Please complete one of the following actions:

- 1) The overfill prevention equipment was inspected however the equipment is not installed at the correct height in the tank or it needs repairing and does not meet the performance standards of 15A NCAC 2N .0301. Provide documentation, on a UST-22A form, Overfill Prevention Equipment Operability Check, of an operability check conducted in accordance with the manufacturer's written guidelines, PEI RP 1200 "Recommended Practice for the Testing and Verification of Spill, Overfill, Leak Detection and Secondary Containment Equipment at UST Facilities" and the instructions on the UST-22A form.
- 2) The overfill prevention equipment was inspected however the equipment is not installed at the correct height in the tank or it needs repairing and does not meet the performance standards of 15A NCAC 2N .0301. Provide documentation, on a UST-22A form, Overfill Prevention Equipment Operability Check, of an operability check conducted in accordance with the manufacturer's written guidelines, PEI RP 1200 "Recommended Practice for the Testing and Verification of Spill, Overfill, Leak Detection and Secondary Containment Equipment at UST Facilities" and the instructions on the UST-22A form.

Submit a copy of invoices, designs or other documentation, such as a letter signed by the installer or a report from an equipment contractor, of the completed work within 30 days of receipt of this notice to the inspector at the address provided. In addition, if overfill control is added, please submit a UST-8 form Notification for Activities Involving



USTs identifying methods (i.e., automatic shut-off device or overfill alarm) used and provide documentation of an operability check on a UST-22A form, Overfill Prevention Equipment Operability Check.

Comment: The Diesel and Off-Road Diesel Overfill Prevention failed the operability inspection on October 9, 2018. It does not appear to have been corrected. Please have the overfill prevention devices for these 2 tanks repaired or replaced and submit a copy of the invoice and the UST 22A to the UST Inspector.

Notice of Deficiency:

Deficiency 1: NCGS 143-215.94NN-SS OPTR4; Failure to maintain compliance with UST regulations which requires Primary Operator retraining as required by NCGS 143-215.94NN - 143.215.94SS.

Corrective Action(s):

Please perform the following corrective action:

1) Within 30 days of receipt of this notice, the Primary Operator designated for this facility must go to the following website <http://tankschool.nc.gov> and register for one of the next Tank School courses being conducted over the next 90 days or take the NC DEQ on-line course for retraining. Retraining as a Primary Operator must be completed and a Primary Operator training certificate achieved within 90 days of receipt of this notice.

Comment: Site#00-0-0000018702: If the violations are not corrected within 30 days from the receipt of this letter then the Primary Operator must attend Tank School or the on-line training.

Corrective actions must be completed and reported to the inspector at the address provided **within 30 days** of receipt of this notice, unless otherwise noted in one of the corrective actions listed above. Assessment of civil penalties may be recommended for violations described in this NOV, as well as, operating permit revocation/denial unless the violations are corrected. If Oliver Oil Company believes that the inspection findings are in error, or if Oliver Oil Company has any questions pertaining to this NOV and/or corrective actions please have it contact me at (910) 867-6869 or pamela.harrelson@ncdenr.gov.

Sincerely,



Pamela Harrelson, Environmental Specialist
Division of Waste Management, NC DEQ

Enclosures

cc: Michael Phelps w/ Enclosures (electronic)
Files (electronic)



**North Carolina
Department of Environmental Quality
Underground Storage Tank
UST-10B**

Printed: 7/8/2022 3:47 PM

Inspection Result: Failed

Partial Inspection: No

Inspection Date: 7/8/2022

Arrive and Depart Times: 9:00 AM-10:00 AM

Facility ID:	00-0-0000036755	Inspector	Pamela Harrelson
Facility Name	ROBESON COUNTY PUBLIC WKS DEPT	Insp. Type	Compliance
Facility Address	176 LEGEND ROAD LUMBERTON, NC 28358 Robeson County Located facility, USTs onsite	Reason(s)	Routine Compliance
		Location	34.586553, -79.052584
		Permit Exp.	3/31/2023
Facility Phone	(910) 671-3139		

CONTACTS

Contact Type	Contact Information
Permit Applicant since 2/10/2021	CHARLIE MCNAIR, 611 EAST 3RD ST. LUMBERTON, NC 28358, Phone: (910) 671-3139, Email: charlie.mcnair@co.robesson.nc.us
Owner since 3/1/2005	ROBESON COUNTY , 3055 E. ELIZABETHTOWN RD. LUMBERTON, NC 28358-3309, Phone: (910) 671-3000
Regulatory Operator since 3/1/2005	ROBESON COUNTY , 3055 E. ELIZABETHTOWN RD. LUMBERTON, NC 28358-3309, Phone: (910) 671-3000
Inspection Contact since 7/10/2019	VICKIE MADDEN, 3055 E. ELIZABETHTOWN RD. LUMBERTON, NC 28358-3309, Phone: (910) 671-3139, Email: vickie.madden@co.robesson.nc.us
Manager since 3/3/2011	WILLIE H TAYLOR, 176 LEGEND ROAD LUMBERTON, NC 28358, Phone: (910) 671-3139

OWNERSHIP CHANGE

New Owner	Change Date	Basis	Transfer of Ownership Form (UST-15) Submitted
No			

EMERGENCY RESPONSE

Emergency response placard with emergency response operator contact information is posted in the dispensing areas if the dispensers are left on without an attendant present?	N/A
---	-----

OTHER PARTICIPANTS

Name	Organization
CHARLIE MCNAIR	ROBESON COUNTY

INSPECTOR COMMENTS

Type	Date	Comment

ADDITIONAL INSPECTOR COMMENTS

TANKS AND PIPING INFORMATION

Tanks	Tank #1(1A DIESEL TEMP CLOSED)	Tank #2(Diesel)	Tank #3(Regular)
Tank ID	1A DIESEL TEMP CLOSED	Diesel	Regular
TIMS Tank ID	1A	1B	2
Is tank registered?	Yes	Yes	Yes
Date tank installed	3/1/2002	3/1/2002	11/20/2008
Capacity of Tank in Gallons	3000	5000	15000
Is tank regulated	Yes	Yes	Yes

Tanks	Tank #1(1A DIESEL TEMP CLOSED)	Tank #2(Diesel)	Tank #3(Regular)
Diameter (Inches)			120
Tank / Product use	Motor Fuel	Motor Fuel	Motor Fuel
Product stored in Tank	Diesel	Diesel	Gasoline, Gas Mix
Product Detail	BLANK	BLANK	Regular
If hazardous substance, CAS# or description			
If other, description			
Tank status	Temporarily Closed	Current	Current
Tank closure report submitted			
Date tank last operated	12/4/2008		
Inches of product in Tank	0.000000		
Compartment tank	Yes	Yes	No
Other compartment(s)	#2(Diesel)	#1(1A DIESEL TEMP CLOSED)	
Base compartment	No	Yes	
Manifolded tank	No	No	No
Manifolded with tank(s)			
Master manifold tank			
New Tank System installed in accordance with NC or MI	Yes	Yes	Yes
Tank Construction Material (DW required after 11/1/07)	Single Wall FRP	Single Wall FRP	Double Wall FRP
If other, description			
Tank Manufacturer/Model	Unknown	Unknown	Xerxes: FRP (DW)
If other, describe			
Tank material verified by	Design Plans/UST-6B	Design Plans/UST-6B	Design Plans/UST-6B
Date Pipe Installed	3/1/2002	11/20/2008	11/20/2008
Was UST Piping Installed on or after 11/1/2007?	No	Yes	Yes
Piping Construction Material (DW required after 11/1/07)	Single Wall FRP	Double Wall FRP	Double Wall FRP
If other, description			
Pipe Manufacturer/Model	Unknown	Ameron: Dualoy 3000/LCX	Ameron: Dualoy 3000/LCX
If other, describe			
Pipe material verified by	Visual	Design Plans/UST-6B	Design Plans/UST-6B
If E-blend > 10% or Biodiesel Blend > 20%; Was UST-20 completed and approved?	N/A	N/A	N/A

CORROSION PROTECTION

Tank Corrosion Protection	Tank #1(1A DIESEL TEMP CLOSED)	Tank #2(Diesel)	Tank #3(Regular)
DWM notified of current CP method	Yes	Yes	Yes
Integrity assessment performed after 3/1/06	No	No	No
CP Method 1	FRP	FRP	FRP
if other, Description			
CP Installation Date	3/1/2005	3/1/2005	11/20/2008
CP Method 2			
if other, Description			
CP Installation Date			
Flex Connector , Piping Extensions, and/or other metal fittings Present	Elbow, Ball Valve	Elbow, Ball Valve	Elbow, Ball Valve
Flex connector isolated from ground	N/A	N/A	N/A
Source of verification of CP for Flex Connectors, piping extensions and/or other metal fittings	Visual	Visual	Visual

Tank Corrosion Protection	Tank #1(1A DIESEL TEMP CLOSED)	Tank #2(Diesel)	Tank #3(Regular)
if other, Description			
Submersible pump (STP) is isolated from ground	N/A	N/A	N/A
Piping extensions and/or other metal fittings are isolated from ground	Yes	Yes	Yes
Flex connector, STP and/or other metal fittings protected from corrosion	Yes	Yes	Yes
Corrosion protection method	Isolated	Isolated	Isolated
Flex connector , Piping extensions, and/or other metal fittings CP Installation Date	3/1/2002	11/20/2008	11/20/2008
Dielectric Coating Installed (If tank installed after 12/22/88	N/A	N/A	N/A

Pipe Corrosion Protection	Tank #1(1A DIESEL TEMP CLOSED)	Tank #2(Diesel)	Tank #3(Regular)
DWM notified of current CP method	Yes	Yes	Yes
CP method	FRP Piping	FRP Piping	FRP Piping
if other, Description			
CP Installation Date	3/1/2005	3/1/2005	11/20/2008
Dielectric Coating Installed (If piping installed after 12/22/88	N/A	N/A	N/A

Dispenser Corrosion Protection	Dispenser #1(1/2)	Dispenser #2(3/4)
Flex Connector , Piping Extensions, and/or other metal fittings Present	Flex Connector	Flex Connector
Flex connector isolated from ground	Yes	Yes
Source of verification of CP for Flex Connectors, piping extensions and/or other metal fittings	Visual	Visual
if other, Description		
Piping extensions and/or other metal fittings are isolated from ground	Yes	Yes
Flex Connectors, Piping extensions and/or other metal fittings protected from corrosion	N/A	N/A
Corrosion protection method	Isolated	Isolated
Flex connector, Piping extensions, and/or other metal fittings CP Installation Date		
Source of Information for verification of corrosion protection for Riser pipe and other metal piping	Visual	Visual
if other, Description		

CP Conclusions	
CP Requirements Met?	Yes
Issues	

SPILL PREVENTION

Has DWM been notified of spill methods?	Yes
---	-----

Spill/Overfill Details	Tank #1(1A DIESEL TEMP CLOSED)	Tank #2(Diesel)	Tank #3(Regular)
Is a drop tube present?	N/A	Yes	Yes
Type of Stage I vapor recovery?	Not Required	Not Required	Dual Point

Local Fill	Tank #1(1A DIESEL TEMP CLOSED)	Tank #2(Diesel)	Tank #3(Regular)
Does Tank have a Second Fill?	No	No	No
Spill Protection	Catchment Basin	Catchment Basin	Catchment Basin
Is spill prevention equipment provided and verified?	N/A	Yes	No
Manufacturer/Model	OPW: 1-21XX DEVR Series (SW)	OPW: 1-21XX DEVR Series (SW)	EMCO: A1004-211S-CM (DW w/sensor)
If other, describe			
Spill bucket is double-walled?	N/A	N/A	Yes
Monitoring Type (UST-6B)	None	None	Float Sensor
Is spill bucket interstice monitored every 30 days? (If installed before 11/1/07)			
Spill bucket is isolated or made of non-corroding materials? (If installed after 11/1/07)	N/A	N/A	Yes
Date spill prevention provided	3/1/2002	3/1/2002	11/20/2008
Last 12 monthly spill bucket checks completed and all deficiencies corrected (UST-27)?	Yes	Yes	Yes
Is spill prevention operating properly?	Yes	Yes	Yes
If No, select all that apply			
If other, describe			
O&M walkthrough inspection completed in accordance with national standard (e.g. PEI RP 900) (UST-27)?	Yes	Yes	Yes
3 Year Tightness Test Date (UST-6D/23A)			
Primary Tightness Test Result (UST-6D/23A)			
Secondary Tightness Test Result (UST-6D/23A)			
Tightness Testing done in accordance with a standard?			

OVERFILL PREVENTION

Has DWM been notified of overfill methods?	Yes
--	-----

Overfill Control	Tank #1(1A DIESEL TEMP CLOSED)	Tank #2(Diesel)	Tank #3(Regular)
Is overfill prevention equipment provided and verified?	Yes	Yes	Yes
Date overfill control provided	3/1/2002	3/1/2002	11/20/2008
Type of overfill equipment	Auto Shutoff Device	Auto Shutoff Device	Auto Shutoff Device
Source of information for overfill control verification	UST-22A	UST-22A	UST-22A
If other, describe			
Manufacturer/Model	OPW: 61SO Series (FV)	OPW: 61SO Series (FV)	OPW: 61SO Series (FV)
If other, describe			
Is overfill control operating properly?	Yes	Yes	Yes
If No, select all that apply			
If other, describe			
Overfill check date (UST-22A)			
Overfill check result (UST-22A)			

Overfill Control	Tank #1(1A DIESEL TEMP CLOSED)	Tank #2(Diesel)	Tank #3(Regular)
Capacity of Tank in Gallons	3000	5000	15000
Diameter (Inches)			120

Dispenser Sumps	Dispenser #1(1/2)	Dispenser #2(3/4)
Are containment sumps present?	Yes	Yes
Installation Date	11/20/2008	11/20/2008
Sump Manufacturer	PetroFiberglass: Tank Sump	PetroFiberglass: Tank Sump
If Other (Specify)		
Sump Construction Type	Single Walled	Single Walled
Sump Construction Material	Fiberglass Reinforced Plastic	Fiberglass Reinforced Plastic
If Other (Specify)		
Are containment sumps monitored?	Yes	Yes
Is monitoring required per 2N .0900?	Yes	Yes
Piping components and/or STP were installed/replaced on or after 11/1/07?	Yes	Yes
Are spills or small weeps evident in sumps?	No	No
Are single wall piping components located in containment sump? (If installed after 11/1/07)	Yes	Yes
UDC Visual Inspection Date (annually)(UST-22C)		
UDC Visual Inspection Results (UST-22C)		
Annual containment sump check completed in accordance with national standard (e.g. PEI RP 900)?		

Other Sumps	Sump#1(Die Temp Closed)	Sump#2(Diesel STP)	Sump#3(Regular STP)
Are containment sumps present?	Yes	Yes	Yes
Installation Date	3/1/2002	11/20/2008	11/20/2008
Sump Manufacturer	Xerxes: Tank Sump	Xerxes: Tank Sump	Xerxes: Tank Sump
If Other (Specify)			
Sump Construction Type	Single Walled	Single Walled	Single Walled
Sump Construction Material	Fiberglass Reinforced Plastic	Fiberglass Reinforced Plastic	Fiberglass Reinforced Plastic
If Other (Specify)			
Are containment sumps monitored?	No	Yes	Yes
Is monitoring required per 2N .0900?	No	Yes	Yes
Piping components and/or STP were installed/replaced on or after 11/1/07?	No	Yes	Yes
Are spills or small weeps evident in sumps?	No	No	No
Are single wall piping components located in containment sump? (If installed after 11/1/07)		Yes	Yes
Sump Visual Inspection Date (annually) (UST-22C)			
Sump Visual Inspection Results (UST-22C)			
Annual containment sump check completed in accordance with national standard (e.g. PEI RP 900)?			

SITING AND SECONDARY CONTAINMENT

Siting And Sec.Containment-General	Tank #1(1A DIESEL TEMP CLOSED)	Tank #2(Diesel)	Tank #3(Regular)
UST system upgraded with corrosion protection, spill and overfill before 1/1/91?	N/A	N/A	N/A
UST system and/or piping are located within siting and secondary containment areas?	No	No	No

LEAK DETECTION

General	Tank #1(1A DIESEL TEMP CLOSED)	Tank #2(Diesel)	Tank #3(Regular)
DWM notified of leak detection method?	Yes	Yes	Yes
Piping Type			
Piping type	European Suction	Suction System	Suction System
if other, specify			
Suction check type	Dispenser	Dispenser	Dispenser
Type LLD present.	Not Required	Not Required	Not Required
Tank Release Detection			
Primary leak detection method	Not Required	Automatic Tank Gauging	Interstitial Monitoring (IM)
if other, specify			
Primary LD install date	11/20/2008	11/20/2008	11/20/2008
Secondary leak detection method			
if other, specify			
Piping Release Detection			
Primary leak detection method	Not Required	Interstitial Monitoring (IM)	Interstitial Monitoring (IM)
if other, specify			
Primary LD install date	11/20/2008	11/20/2008	11/20/2008
Secondary leak detection method			
if other, specify			
Equipment Checks			
Last 12 monthly RD equipment checks completed and all deficiencies corrected (UST-27)?	Yes	Yes	Yes
if no, select all that apply			
Annual RD equipment operability check result (UST-22B)	N/A		N/A
if Fail, select all that apply			
Annual RD equipment operability check date (UST-22B)			
RD equipment checks completed per national standard (e.g. PEI RP 900/1200) (UST-22B/27)?			

PIPING LEAK DETECTION

Suction Piping	Tank #2(Diesel)	Tank #3(Regular)
Last LTT Test Date		

Suction Piping	Tank #2(Diesel)	Tank #3(Regular)
LTT Test Result		
Does test result indicate suspected release?		

SuctionLTT	LTT #1
LTT Manufacturer/Method	
If other, describe	
LTT Third Party Certified?	

Suction LTT Tester	LTT Tester #1
LTT Tester Name	
LTT Testing Company Name	
LTT Testing Company Phone Number	

AUTOMATIC TANK GAUGE

ATG Systems	ATG #1
ATG Manufacturer/Model	V-R: RJ ProMax CSLD
If other, describe	
ATG Third Party Certified?	Yes
Is ATG console operational?	Yes
Tanks	#2(Diesel)

ATG Monthly LD	Tank #2(Diesel)
2022 Jul	Pass
2022 Jun	Pass
2022 May	Pass
2022 Apr	Pass
2022 Mar	Pass
2022 Feb	Pass
2022 Jan	Pass
2021 Dec	Pass
2021 Nov	Pass
2021 Oct	Pass
2021 Sep	Pass
2021 Aug	Pass

ATG Conclusions	
Leak Detection Requirements Met?	Yes
Do the results indicate a suspected release?	
Issues	

INTERSTITIAL MONITORING AFTER 11/1/07

IM After 11/07-Consoles	IM Console #1
Manufacturer/Model of Interstitial Monitoring Console	V-R: RJ ProMax CSLD
If other, describe	
Tanks	#3(Regular)

IM After 11/07-Tanks	Tanks #3(Regular)
Manufacturer/Model of Sensor (UST-6B)	V-R: Hydro Sens-Dual Fit 794380-303
If other, describe	

IM After 11/07-Tanks	Tanks #3(Regular)
Monitoring Type (UST-6B)	Hydrostatic
Sensor third party certified	Yes
Sensor Operability Check Date (annually) (UST-22B)	
Sensor Operability Check Results (UST-22B)	
Tightness Test Date (UST-23D)	
Interstice Tightness Test Result (UST-23D)	
Tightness test 3rd party certified	
Method available to determine sensor at lowest point of interstice	
Sensor at lowest point of interstice	
Sensor activates an alarm for any liquid	
Liquid removed from interstice within 48 hours	

IM After 11/07-Spill Buckets	Tank #3(Regular)
Does Tank have a Remote or Second Fill?	No
Manufacturer/Model of Sensor (UST-6B)	EMCO: Spill Bucket w/sensor
If other, describe	
Monitoring Type (UST-6B)	Float Sensor
Sensor third party certified	Yes
Sensor Operability Check Date (annually) (UST-22B)	
Sensor Operability Check Results (UST-22B)	

IM After 11/07-Sumps	Sump #2(Diesel STP)	Sump #3(Regular STP)
Manufacturer/Model of Sensor (UST-6B)	V-R: Sump Sens-Pipe 794380-208	V-R: Sump Sens-Pipe 794380-208
If other, describe		
Monitoring Type (UST-6B)	Float Sensor	Float Sensor
Sensor third party certified	Yes	Yes
Sensor Operability Check Date (annually) (UST-22B)		
Sensor Operability Check Results (UST-22B)		
Sensor < 2" off bottom	Yes	Yes
Pipe interstice open to sump (if monitored by sump sensor)	Yes	Yes
3 Year Tightness Test Date (UST-6F/23B)		
3 Year Tightness Test Result (UST-6F/23B)		

IM After 11/07-Pipes	Tank #2(Diesel)	Tank #3(Regular)
Manufacturer/Model of Sensor (UST-6B)		
If other, describe		
Monitoring Type (UST-6B)	Sump Sensor	Sump Sensor

IM After 11/07-Pipes	Tank #2(Diesel)	Tank #3(Regular)
Sensor third party certified		
Sensor Operability Check Date (annually) (UST-22B)		
Sensor Operability Check Results (UST-22B)		
Secondary Tightness Test Date (UST-6G/23C)		
Secondary Tightness Test Results (UST-6G/23C)		
Secondary Tightness Test done in accordance manufacturer's instructions (UST-6G/23C)?		

IM After 11/07-Dispensers	Dispenser #1(1/2)	Dispenser #2(3/4)
Manufacturer/Model of Sensor (UST-6B)	V-R: Sump Sens-Pipe 794380-208	V-R: Sump Sens-Pipe 794380-208
If other, describe		
Monitoring Type (UST-6B)	Float Sensor	Float Sensor
Sensor third party certified	Yes	Yes
Sensor Operability Check Date (annually) (UST-22B)		
Sensor Operability Check Results (UST-22B)		
Sensor < 2" off bottom	Yes	Yes
Pipe interstice open to sump (if monitored by sump sensor)	Yes	Yes
3 Year Tightness Test Date (UST-6F/23B)		
3 Year Tightness Test Result (UST-6F/23B)		

IM After 11/07-Tank Monthly LD	Tank #3(Regular)
2022 Jul	Sensor: P Alarm: Y
2022 Jun	Sensor: P Alarm: Y
2022 May	Sensor: P Alarm: Y
2022 Apr	Sensor: P Alarm: Y
2022 Mar	Sensor: P Alarm: Y
2022 Feb	Sensor: P Alarm: Y
2022 Jan	Sensor: P Alarm: Y
2021 Dec	Sensor: P Alarm: Y
2021 Nov	Sensor: P Alarm: Y
2021 Oct	Sensor: P Alarm: Y
2021 Sep	Sensor: P Alarm: Y
2021 Aug	Sensor: P Alarm: Y

IM After 11/07-Spill Bucket Monthly LD	Tank #3(Regular)
2022 Jul	Sensor: P Alarm: Y
2022 Jun	Sensor: P Alarm: Y
2022 May	Sensor: P Alarm: Y
2022 Apr	Sensor: P Alarm: Y
2022 Mar	Sensor: P Alarm: Y
2022 Feb	Sensor: P Alarm: Y
2022 Jan	Sensor: P Alarm: Y
2021 Dec	Sensor: P Alarm: Y
2021 Nov	Sensor: P Alarm: Y

IM After 11/07-Spill Bucket Monthly LD	Tank #3(Regular)
2021 Oct	Sensor: P Alarm: Y
2021 Sep	Sensor: P Alarm: Y
2021 Aug	Sensor: P Alarm: Y

IM After 11/07-Dispenser Monthly LD	Dispenser #1(1/2)	Dispenser #2(3/4)
2022 Jul	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2022 Jun	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2022 May	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2022 Apr	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2022 Mar	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2022 Feb	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2022 Jan	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2021 Dec	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2021 Nov	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2021 Oct	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2021 Sep	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2021 Aug	Sensor: P Alarm: Y	Sensor: P Alarm: Y

IM After 11/07-Sump Monthly LD	Sump #2(Diesel STP)	Sump #3(Regular STP)
2022 Jul	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2022 Jun	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2022 May	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2022 Apr	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2022 Mar	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2022 Feb	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2022 Jan	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2021 Dec	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2021 Nov	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2021 Oct	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2021 Sep	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2021 Aug	Sensor: P Alarm: Y	Sensor: P Alarm: Y

IM After 11/07-Tank Conclusions	
Leak Detection Requirements Met?	Yes
Do the results indicate a suspected release?	
Issues	

IM After 11/07-SpillBucket Conclusions	
Leak Detection Requirements Met?	Yes
Do the results indicate a suspected release?	
Issues	

IM After 11/07-Dispenser Conclusions	
Leak Detection Requirements Met?	Yes
Do the results indicate a suspected release?	
Issues	

IM After 11/07-Sump Conclusions	
Leak Detection Requirements Met?	Yes

IM After 11/07-Sump Conclusions	
Do the results indicate a suspected release?	
Issues	

TEMPORARY CLOSURE

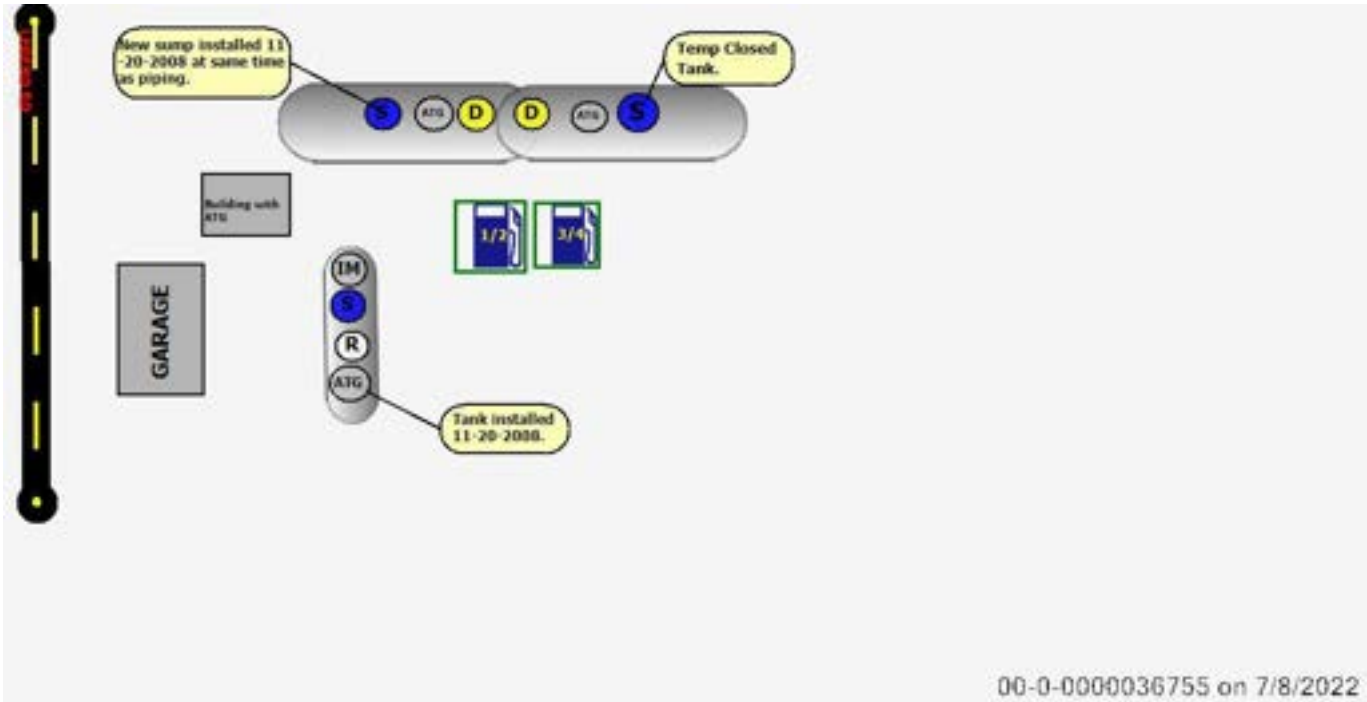
Temporary Closure	
Temporary Closure Requirements Met?	Yes
Issues	

REPAIRS

Repairs	
Any Repair Issues?	No
Issues	

Delivery Information	Tank #1(1A DIESEL TEMP CLOSED)	Tank #2(Diesel)	Tank #3(Regular)
All deliveries made to permitted tanks	N/A	Yes	Yes

SITE DIAGRAM 1





**North Carolina
Department of Environmental Quality
Underground Storage Tank
Field Inspection Report**

Facility ID: 00-0-0000036755
Facility Name: ROBESON COUNTY PUBLIC
WKS DEPT

Inspection Date: 7/8/2022
Facility Address:
176 LEGEND ROAD
LUMBERTON, NC, 28358
Robeson County

The following issues were noted during this inspection.
Violations

Violation #1 Violation Code: UPG2

Failure to meet the spill prevention requirements of a 'new tank system'.

Required Corrective Action(s):

- Install spill prevention equipment on "new tank system". (Tank#3(Regular))

Violation #2 Violation Code: RCD1

Failure to provide DWM notifications and compliance records.

Required Corrective Action(s):

- Spill bucket integrity test (Tank#2(Diesel), Tank#3(Regular))
- Overfill operability check. (Tank#2(Diesel), Tank#3(Regular))

Violation #3 Violation Code: MT5

Failure to check overfill operability triennially.

Required Corrective Action(s):

- Check overfill operability (Tank#2(Diesel))

Violation #4 Violation Code: MT6

Failure to tightness test spill bucket every 3 years

Required Corrective Action(s):

- Tightness test spill bucket (Tank#2(Diesel))

Violation #5 Violation Code: MT8

Failure to perform walk-through inspections

Required Corrective Action(s):

- Annual sump visual check (Sump#1(Die Temp Closed))

Violation #6 Violation Code: MT9

Failure to check leak detection equipment operability annually.

Required Corrective Action(s):

- Check LD equipment operability (Tank#2(Diesel))

Violation #7 Violation Code: LD20

Failure to provide third party certifications.

Required Corrective Action(s):

- Submit 3rd party certifications. (Line Tightness Test#1(Suction/Gravity))

Violation #8 Violation Code: SECD6

Failure to check leak detection equipment operability annually.

Required Corrective Action(s):

- Check LD equipment operability (Dispenser#1(1/2), Dispenser#2(3/4), Sump#2(Diesel STP), Sump#3(Regular STP), Tank#3(Regular))

Violation #9 Violation Code: SECD19

Failure to tightness test piping every three years.

Required Corrective Action(s):

- Test primary of piping (Tank#2(Diesel), Tank#3(Regular))
- Test interstice of piping (Tank#2(Diesel), Tank#3(Regular))

Violation #10 Violation Code: SECD24

Failure to tightness test sump every three (3) years.

Required Corrective Action(s):

- Tightness test sump (Dispenser#1(1/2), Dispenser#2(3/4), Sump#2(Diesel STP), Sump#3(Regular STP))

Violation #11 Violation Code: SECD25

Failure to visually inspect sump annually.

Required Corrective Action(s):

- Visually inspect sump (Dispenser#1(1/2), Dispenser#2(3/4), Sump#2(Diesel STP), Sump#3(Regular STP))

Violation #12 Violation Code: SECD30

Failure to tightness test spill bucket every three(3) years.

Required Corrective Action(s):

- Tightness test spill bucket (Tank#3(Regular))

Violation #13 Violation Code: OPTR2

Failure to complete primary operator training.

Required Corrective Action(s):

- Obtain Primary Operator training (Site#00-0-0000036755)

Violation #14 Violation Code: SECD7

Failure to check overfill operability?triennially.

Required Corrective Action(s):

- Check overfill operability (Tank#3(Regular))

Inspector's Printed Name
Pamela Harrelson

Signature

A handwritten signature in blue ink that reads "Pamela Harrelson". The signature is written in a cursive style with a large initial 'P'.

Date [7/8/2022](#)

Disclaimer: This document is an informal evaluation of the deficiencies documented during the inspection and does not constitute a final determination of compliance status with either state or federal Underground Storage Tank (UST) regulations. A formal Notice of Violation listing the violations of the states UST regulations may be sent to the owner and/or operator of the facility.



NC DEQ Facility Inspection Photos



PICDIAG DISPENSERS



PICDIAG SITE PHOTO



PICDIAG DIESEL TANK TOP SUMP



PICDIAG REGULAR TANK TOP SUMP



NORTH CAROLINA
Environmental Quality

ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

MICHAEL SCOTT

Director

July 15, 2022

CERTIFIED MAIL 9414811899562594088869

RETURN RECEIPT REQUESTED

Kellie Blue, County Manager, Registered Agent
Robeson County
550 N. Chestnut St.
Lumberton, NC 28358-5551

Re: NOTICE OF VIOLATION OF NCSL 2018-114(SECD7), 15A NCAC 2N.0405(RCD1), .0406(MT5, MT6), .0407(MT8), .0501(MT9), .0506(LD20), .0901(SECD6), .0904(SECD19), .0905(SECD24, SECD25), .0906(SECD30), NCGS 143-215.94NN-SS(OPTR2)
Robeson County Public Wks Dept
176 Legend Road, Lumberton, NC 28358
Robeson County
Facility ID#: 00-0-0000036755

Dear Kellie Blue, County Manager:

On July 08, 2022, I conducted a compliance inspection at the above-referenced facility. I observed that underground storage tanks (USTs) at Robeson County Public Wks Dept are not in compliance with North Carolina UST regulations (North Carolina Administrative Code [NCAC] 2N "Criteria and Standards Applicable to Underground Storage Tanks). According to those rules (15A NCAC 2N .0203) Robeson County is identified as the owner and/or operator of UST(s) at Robeson County Public Wks Dept.

The following violations of the state rules (15A NCAC 2N) were observed on July 08, 2022 at Robeson County Public Wks Dept. Following each violation are the actions required to correct the violations:

Violation 1: 15A NCAC 2N .0405 RCD1; Failure to notify or provide the Division of Waste Management UST Section with records of compliance with leak detection, periodic inspections, testing and/or upgrading requirements as required by federal regulation 40 CFR 280.34 (as incorporated by 15A NCAC 2N .0405).

Corrective Action(s):

The Division of Waste Management UST Section has noted the following deficiencies with your sites required notifications or record-keeping:

- 1) Within 14 days of receipt of this notice, please submit documentation of the spill bucket integrity test (Form UST-23A), to the inspector at the address provided.
- 2) Within 14 days of receipt of this notice, please submit documentation of the overfill operability check (Form UST-22A), to the inspector at the address provided.

Within 14 days of receipt, or other time frame mentioned above, of this notice, please complete and submit the form(s) checked above and/or provide copies of the records needed to complete the inspection to the inspector at the address provided. In addition you need to submit a copy of any forms listed above to the address located on the form(s). It is recommended that you also keep a copy for your records.

Comment: As of October 13, 2018, all spill buckets and overfill prevention devices must be tested every three years. Please have the spill buckets and overfill prevention devices tested and submit a copy of the UST-22A (enclosed) and UST-23A (enclosed) to the UST Section.

Violation 2: 15A NCAC 2N .0406 MT5; Failure to check the operability, proper operating condition, and proper



North Carolina Department of Environmental Quality | Division of Waste Management
217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646
919.707.8171

calibration of overfill prevention equipment every three years, in accordance with the manufacturer's written guidelines and as required by federal regulation 40 CFR 280.35 (as incorporated by 15A NCAC 2N .0406).

Corrective Action(s):

1) Check overfill prevention equipment for operability, proper operating condition, and proper calibration in accordance with the manufacturer's written guidelines and PEI RP 1200 "Recommended Practice for the Testing and Verification of Spill, Overfill, Leak Detection and Secondary Containment Equipment at UST Facilities". Document the results on the UST-22A form.

Within 30 days of receipt of this notice, please submit a copy of the results of the annual check and other supporting documentation of the completed work on form UST-22A, Overfill Prevention Equipment Operability Check, to the inspector at the address provided.

Comment: As of October 13, 2018, the overfill prevention devices must be tested every three years. Please have the overfill prevention devices at this facility tested. Please submit a copy of the UST-22A to the UST Section.

Violation 3: 15A NCAC 2N .0406 MT6; Failure to perform a tightness test of a spill bucket every 3 years as required by federal regulation 40 CFR 280.35 (as incorporated by 15A NCAC 2N .0406).

Corrective Action(s):

1) Conduct a tightness test of the spill bucket for the listed tank(s) in accordance with the manufacturer's written guidelines and PEI RP 1200 "Recommended Practice for the Testing and Verification of Spill, Overfill, Leak Detection and Secondary Containment Equipment at UST Facilities". Document results on a UST-6D/23A, "Triennial UST Spill Bucket Integrity Testing", form.

Within 30 days of receipt of this notice, please submit the test results on form UST-23A, Triennial UST Spill Bucket Integrity Testing, to the inspector at the address provided.

Comment: As of October 13, 2018, the spill buckets must be tested every three years. Please have the spill buckets at this facility tested. Please submit a copy of the UST-23A to the UST Section.

Violation 4: 15A NCAC 2N .0407 MT8; Failure to perform periodic operation and maintenance walkthrough inspections as required by federal regulation 40 CFR 280.36 (as incorporated by 15A NCAC 2N .0407)

Corrective Action(s):

Periodic operation and maintenance walkthrough inspections must be conducted for the following:

1) Inspect the sump, whether or not they have containment, at the tank(s) and/or dispenser(s) for the presence of water or a regulated substance in accordance with PEI RP 900, "Recommended Practices for the Inspection and Maintenance of UST Systems" and document the condition on an annual sump inspection log (UST-22C, "Annual Sump Visual Inspections").

Within 30 days of receipt of this notice, please submit the inspection results on one of the following applicable forms: UST-22B, Annual Leak Detection Equipment Operability Check; UST-22C, Annual Sump Visual Inspections; and/or UST-27, Monthly Walkthrough Inspections, to the inspector at the address provided.

Comment: As of October 13, 2018, a monthly walk-through must be conducted at each facility. Please conduct the monthly walk-through of your facility using the UST-27 (Monthly Walkthrough Inspections), UST-22B (Annual Leak Detection Equipment Operability Check) and UST-22C (Annual Sump Visual Inspections). Please complete the forms and submit a copy of the forms to the UST Section.

Violation 5: 15A NCAC 2N .0501 MT9; Failure to check the operability, proper operating condition, and proper calibration of leak detection monitoring equipment annually in accordance with the manufacturer's written guidelines and as required by federal regulation 40 CFR 280.40 (as incorporated by 15A NCAC 2N .0501).

Corrective Action(s):



1) Check the leak detection equipment for operability, proper operating condition, and proper calibration in accordance with the manufacturer's written guidelines and PEI RP 1200 "Recommended Practice for the Testing and Verification of Spill, Overfill, Leak Detection and Secondary Containment Equipment at UST Facilities".

Within 30 days of receipt of this notice, please submit a copy of the results of the annual check and other supporting documentation (e.g. alarm reports, invoice, repair records) of the completed work on form UST-22B, Annual Leak Detection Equipment Operability Check, to the inspector at the address provided.

Comment: As of October 13, 2018, the leak detection monitoring equipment must be tested to ensure proper operation. Please have the leak detection equipment tested. Please submit a copy of the UST-22B to the UST Section.

Violation 6: 15A NCAC 2N .0506 LD20; Failure to provide third-party performance claims substantiating that a leak detection method is capable of meeting the requirements for that method in accordance with federal regulation 40 CFR 280.45(a) (as incorporated by 15A NCAC 2N .0506) and as described in 40 CFR 280.40(a)(3) (as incorporated by 15A NCAC 2N .0501).

Corrective Action(s):

1) In Standard Test Procedures for Evaluating Leak Detection Methods (The seven testing protocols are available at the following address <http://www.epa.gov/OUST/pubs/protocol.htm>), the EPA established protocol for third-party evaluation of leak detection methods. The appropriate third-party performance claims were not available for the leak detection method(s) used at the subject site.

Within 30 days of receipt of this notice, please submit a copy of third-party performance claims for each leak detection method used at your facility to the inspector at the address provided.

Comment: Please submit a copy of third-party performance claims for each leak detection method used at your facility to the inspector at the address provided. This will come from the company that conducts your line tightness test.

Violation 7: 15A NCAC 2N .0901 SECD6; Failure to check the operability, proper operating condition, and proper calibration of leak detection monitoring equipment annually in accordance with the manufacturer's written guidelines and as required by 15A NCAC 2N .0901(l).

Corrective Action(s):

1) Check the leak detection equipment for operability, proper operating condition, and proper calibration in accordance with the manufacturer's written guidelines.

Within 30 days of receipt of this notice, please submit a copy of the results of the annual check and other supporting documentation (e.g. alarm reports, invoice, repair records) of the completed work on form UST-22B, Annual Interstitial Sensor Operability Check, to the inspector at the address provided.

Comment: The sump sensors must be tested every year for operability. Please have the sump sensors tested and submit a copy of the UST-22B to the UST Section.

Violation 8: 15A NCAC 2N .0904 SECD19; Failure to perform a tightness test on piping not monitored continuously by vacuum, pressure, or hydrostatic methods every 3 years as required by 15A NCAC 2N .0904(h).

Corrective Action(s):

- 1) Conduct a tightness test of the primary space of the piping in accordance with the manufacturers written guidelines and PEI RP 100 "Recommended Practice for Installation of Underground Liquid Storage Systems.
- 2) Conduct a tightness test of the interstitial space of the piping in accordance with the manufacturers written guidelines and PEI RP 100 "Recommended Practice for Installation of Underground Liquid Storage Systems.

Within 30 days of receipt of this notice, please submit the test results on form UST-6G/23C, Triennial UST Piping Integrity Testing, to the inspector at the address provided.

Comment: The interstice of the piping must be tested every three years. Please submit the test results UST-



23C, Triennial UST Piping Integrity Testing, to the UST Section (form enclosed).

Violation 9: 15A NCAC 2N .0905 SECD24; Failure to perform a tightness test on a containment sump not monitored continuously by vacuum, pressure, or hydrostatic methods every 3 years as required by 15A NCAC 2N .0905(f).

Corrective Action(s):

1) Conduct a tightness test of the containment sump at the tank(s) and/or dispenser(s) in accordance with the manufacturer's written guidelines and PEI RP 100 "Recommended Practice for Installation of Underground Liquid Storage Systems."

Within 30 days of receipt of this notice, please submit the test results on form UST-6F/23B, Triennial UST Containment Sump / UDC Integrity Testing, to the inspector at the address provided.

Comment: All containment sumps must be tested every three years to ensure integrity. Please have the containment sumps tested and submit a copy of the UST-23B to the UST Section.

Violation 10: 15A NCAC 2N .0905 SECD25; Failure to visually inspect containment sumps annually for the presence of water or a regulated substance as required by 15A NCAC 2N .0905(g).

Corrective Action(s):

Within 7 days of receipt of this notice, please submit a copy of the annual containment sump inspection log form UST-22C, Annual Containment Sump Visual Inspections to the inspector at the address provided.

Comment: All containment sumps must be inspected every year and the results recorded on a UST-22C. Please have the containment sumps inspected and submit a copy of the completed UST-22C to the UST Section.

Violation 11: 15A NCAC 2N .0906 SECD30; Failure to perform a tightness test of the primary and interstitial space of spill buckets not monitored continuously by vacuum, pressure, or hydrostatic methods every 3 years as required by 15A NCAC 2N .0906(e).

Corrective Action(s):

1) Conduct a tightness test of the primary and interstitial space of the spill bucket in accordance with the manufacturer's written guidelines and PEI RP 100 "Recommended Practice for Installation of Underground Liquid Storage Systems".

Within 30 days of receipt of this notice, please submit the test results on form UST-6D/23A, Triennial UST Spill Bucket Integrity Testing, to the inspector at the address provided.

Comment: Tank #Regular: Every three years the Primary and Secondary spill buckets must be tested to ensure integrity. Please have the Regular spill bucket tested and submit a copy of the UST 23A to the UST Section.

Violation 12: NCGS 143-215.94NN-SS OPTR2; Failure to complete Primary Operator training as required by NCGS 143-215.94NN - 143.215.94SS.

Corrective Action(s):

Please perform the following corrective action(s).

1) The Primary Operator designated for this facility must go to the following website <http://tankschool.nc.gov> and take the NC DEQ on-line course for Primary Operator training. Primary Operator training must be completed and a training certificate achieved within 30 days of receipt of this notice.

Comment: Due to the violations noted during this inspection, the Primary Operator must take the on-line Primary Operator Training Course within 90 days of this notice. Please submit a copy of the certificate to the UST Section. (In-person Tank School is not being offered at this time).

Violation 13: NCSL 2018-114 SECD7; Failure to check the operability, proper operating condition, and proper calibration of overfill prevention equipment every three years, in accordance with the manufacturer's written



guidelines and as required by NCSL 2018-114.

Corrective Action(s):

1) Check overfill prevention equipment for operability, proper operating condition, and proper calibration in accordance with the manufacturer's written guidelines.

Within 30 days of receipt of this notice, please submit a copy of the results of the triennial check and other supporting documentation of the completed work on form UST-22A, Overfill Prevention Equipment Operability Check, to the inspector at the address provided.

Comment: Every three years the overfill prevention devices must be tested to ensure proper operation. Please have the overfill prevention devices tested and submit a copy of the UST 22A to the UST Section.

Corrective actions must be completed and reported to the inspector at the address provided **within 30 days** of receipt of this notice, unless otherwise noted in one of the corrective actions listed above. Assessment of civil penalties may be recommended for violations described in this NOV, as well as, operating permit revocation/denial unless the violations are corrected. If Robeson County believes that the inspection findings are in error, or if Robeson County has any questions pertaining to this NOV and/or corrective actions please have it contact me at (910) 867-6869 or pamela.harrelson@ncdenr.gov.

Sincerely,



Pamela Harrelson, Environmental Specialist
Division of Waste Management, NC DEQ

Enclosures

cc: Michael Phelps w/ Enclosures (electronic)
Files (electronic)





August 1, 2022

Dear Pamela Harrelson:

The following is in response to your request for proof of delivery on your item with the tracking number:
9414 8118 9956 2594 0888 69.

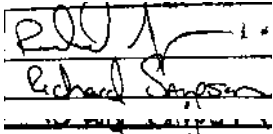

Item Details

Status:	Delivered, Front Desk/Reception/Mail Room
Status Date / Time:	July 25, 2022, 10:26 am
Location:	LUMBERTON, NC 28358
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™ Return Receipt Electronic
Recipient Name:	KELLIE BLUE COUNTY MANAGER Robeson County

Shipment Details

Weight:	5.0oz
----------------	-------

Recipient Signature

Signature of Recipient:	
Address of Recipient:	

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

MICHAEL SCOTT

Director



NORTH CAROLINA
Environmental Quality

August 29, 2022

CERTIFIED MAIL 9414811899561292209897
RETURN RECEIPT REQUESTED

Kellie Blue, County Manager, Registered Agent
Robeson County
550 N. Chestnut St.
Lumberton, NC 28358-5551

Re: Recommendation for Enforcement Action
Robeson County Public Wks Dept
176 Legend Road, Lumberton, NC 28358
Robeson County
Facility ID#: 00-0-0000036755

Dear Kellie Blue, County Manager:

This letter is to notify you that this office is considering recommending enforcement action to the Director of the Division of Waste Management. The recommendation for enforcement concerns the violations cited in the Notice of Violation (NOV) dated July 15, 2022, which was previously sent to you. Specifically: 15A NCAC 2N .0405 for Failure to provide DWM notifications and compliance records., 15A NCAC 2N .0406 for Failure to check overflow operability triennially., 15A NCAC 2N .0406 for Failure to tightness test spill bucket every 3 years, 15A NCAC 2N .0407 for Failure to perform walk-through inspections, 15A NCAC 2N .0501 for Failure to check leak detection equipment operability annually., 15A NCAC 2N .0506 for Failure to provide third party certifications., 15A NCAC 2N .0901 for Failure to check leak detection equipment operability annually., 15A NCAC 2N .0904 for Failure to tightness test piping every three years., 15A NCAC 2N .0905 for Failure to tightness test sump every three (3) years., 15A NCAC 2N .0905 for Failure to visually inspect sump annually., 15A NCAC 2N .0906 for Failure to tightness test spill bucket every three (3) years., NCGS 143-215.94NN-SS for Failure to complete primary operator training., NCSL 2018-114 for Failure to check overflow operability triennially.


If there is an explanation for the violations cited, or if you believe there are other factors which should be considered, please submit your response to me in writing **within 10 days of receipt** of this notice. Your explanation will be reviewed, and if enforcement action is still deemed appropriate, your explanation will be forwarded to the Director with the enforcement package for his consideration. In accordance with NCGS 143-215.94U, continued non-compliance can result in **revocation** of the current operating permit or **non-renewal** of future operating **permits** for this facility.

If you have any questions concerning this matter, please contact me at (910) 867-6869 or pamela.harrelson@ncdenr.gov.



North Carolina Department of Environmental Quality | Division of Waste Management
217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646
919.707.8171

Sincerely,



Pamela Harrelson, Environmental Specialist
Division of Waste Management, NC DEQ

cc: Ruth Strauss, Permits and Inspection Branch (electronic)
Files (electronic)



North Carolina Department of Environmental Quality | Division of Waste Management
217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646
919.707.8171



NORTH CAROLINA
Environmental Quality

ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

MICHAEL SCOTT

Director

September 02, 2022

CERTIFIED MAIL 9414811899561209372621
RETURN RECEIPT REQUESTED

Kellie Blue, County Manager
Robeson County
550 N Chestnut St
Lumberton, NC 28358-5551

Re: Extension Request
Robeson County Public Wks Dept
176 Legend Road, Lumberton, NC 28358
Robeson County
Facility ID#: 00-0-0000036755

Dear Kellie Blue, County Manager:

I have received your request dated September 2, 2022, in which you request an extension to complete the corrective actions for the violations noted during the compliance inspection conducted on July 08, 2022 and stipulated in the Notice of Violation dated July 15, 2022 for the above site. Based on the information in your request, the extension has been approved. The deadline for you to complete the corrective action for the violations: 15A NCAC 2N .0405 for Failure to provide DWM notifications and compliance records., 15A NCAC 2N .0406 for Failure to check overfill operability triennially., 15A NCAC 2N .0406 for Failure to tightness test spill bucket every 3 years, 15A NCAC 2N .0407 for Failure to perform walk-through inspections, 15A NCAC 2N .0501 for Failure to check leak detection equipment operability annually., 15A NCAC 2N .0506 for Failure to provide third party certifications., 15A NCAC 2N .0901 for Failure to check leak detection equipment operability annually., 15A NCAC 2N .0904 for Failure to tightness test piping every three years., 15A NCAC 2N .0905 for Failure to tightness test sump every three (3) years., 15A NCAC 2N .0905 for Failure to visually inspect sump annually., 15A NCAC 2N .0906 for Failure to tightness test spill bucket every three (3) years., NCGS 143-215.94NN-SS for Failure to complete primary operator training., NCSL 2018-114 for Failure to check overfill operability triennially, is **October 10, 2022**. Any violations on your Notice of Violation not listed in the previous sentence must be corrected by the due dates listed in the Notice of Violation.

If you have any questions you can contact me at the letterhead address listed below or at (910) 867-6869 or pamela.harrelson@ncdenr.gov.

Sincerely,

A handwritten signature in black ink that reads "Pamela Harrelson".

Pamela Harrelson, Environmental Specialist
Division of Waste Management, NC DEQ

cc: Files (electronic)



North Carolina Department of Environmental Quality | Division of Waste Management
217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646
919.707.8171

Site Suitability, Access, and Compatibility with Surrounding Development

for recording impacts considered under Item 26 of HUD-Form 4128

Project Name	Investigator(s)	Site Visit Date
Legend Rd Water Tank	Sam R. Noble, Jr. PE	6/27/23

ZONING

Is the project in compliance or conformance with local zoning?

Yes
 No (explain) LmbrM2
 Not applicable (explain) _____

SITE OBSERVATIONS

Soil Stability, Erosion, and Drainage

Describe slope at project site (Steep, Moderate, Slight, Level):
Slight

*Check those features that were observed on or adjacent to the property at the time of the visit.

Natural Hazards	
Faults, fractures	Slope-failures from rains
Cliffs, bluffs, crevices	Hazardous terrain features
Evidence of slope erosion	High water table
Unstable slope conditions	Other (Specify):

Check all items that apply:

Wetlands Onsite or Adjacent	
Drainage ways	<input checked="" type="checkbox"/> Marsh, bogs, swamps
Streams, Rivers	<input type="checkbox"/> Ponds
Coastline	<input type="checkbox"/> Lake

Explain Wetlands onsite or adjacent below:			
Little Jacob Swamp is adjacent to the county owned property and is approximately			
900 l.f. North of the proposed tank.			
Toxic Chemicals and Contamination Onsite or Adjacent			
	Distressed Vegetation		Abandoned Machinery, Cars, etc.
	Oil/Chemical Spill(s)		Transformers
	Soil Staining, Pools of Liquid		Fill Vent Pipes, Pipelines
	Fire hazard materials		Railroad Terminal or Crossing
	Hazards in vacant lots		Other hazardous chemical storage
	AST and/or UST (<i>Below</i>)		Loose /Empty Barrels
	Quarries or other excavations		Dumps/sanitary landfills or mining
X	Unsightly land uses		Inadequate screened drainage catchments
	Gas, smoke, fumes		Odors
	High pressure gas or liquid petroleum transmission lines on site		Other (Specify)
Explain Toxic Chemical and Contamination onsite or adjacent below:			
The Sheriff's Dept. stores confiscated vehicles and other items within a fenced in area			
South of the proposed tank.			

Above Ground Storage Tanks

Are any above ground storage tanks visible from the site?

Yes No

If yes, are these tanks 100-gallons or larger?

Yes No

List Visible Tanks				
Tank Location	Tank Contents	Tank Size	Flammable? (Yes or No)	Pressurized? (Yes or No)
40 feet South of the proposed water main	Diesel Exhaust Fluid	330 gals	Yes	No

Proposed mitigation strategies (concrete pad, barrier, etc.) if siting of any tanks?
Pipe installed within 100 feet of the tanks will be ductile iron pipe with neoprene gaskets.

Underground Storage Tanks

List visible tanks				
Tank Location	Tank Contents	Tank Size	Flammable? (Yes or No)	Pressurized? (Yes or No)
20 feet South of the proposed water main	unleaded gasoline		Yes	No
20 feet South of the proposed water main	Diesel		Yes	No


Lead Investigator's Signature

6/27/23
Date

LEGEND ROAD WATER TANK PROJECT – SITE VISIT PHOTOGRAPHS




LEGEND ROAD WATER TANK PROJECT – SITE VISIT PHOTOGRAPHS




Legend Road Water Tank

Google Earth
10/16/22

Legend

 Legend Rd Water Tank




 Legend Rd Water Tank




Legend Road Water Tank

Google Earth
1/29/20

Legend

 Legend Rd Water Tank



 Legend Rd Water Tank



Legend Road Water Tank

Google Earth
10/25/16

Legend
Legend Rd Water Tank



Legend Rd Water Tank



Legend Road Water Tank

Google Earth
10/25/13

Legend
Legend Rd Water Tank




Legend Rd Water Tank



Legend Road Water Tank

Google Earth
6/17/2008

Legend

 Legend Rd Water Tank



Legend Rd Water Tank

Sanchez Rd N

Selma Rd

74

Sanchez Rd N

Legend Rd

Sanchez Rd

74

Sanchez Rd




41

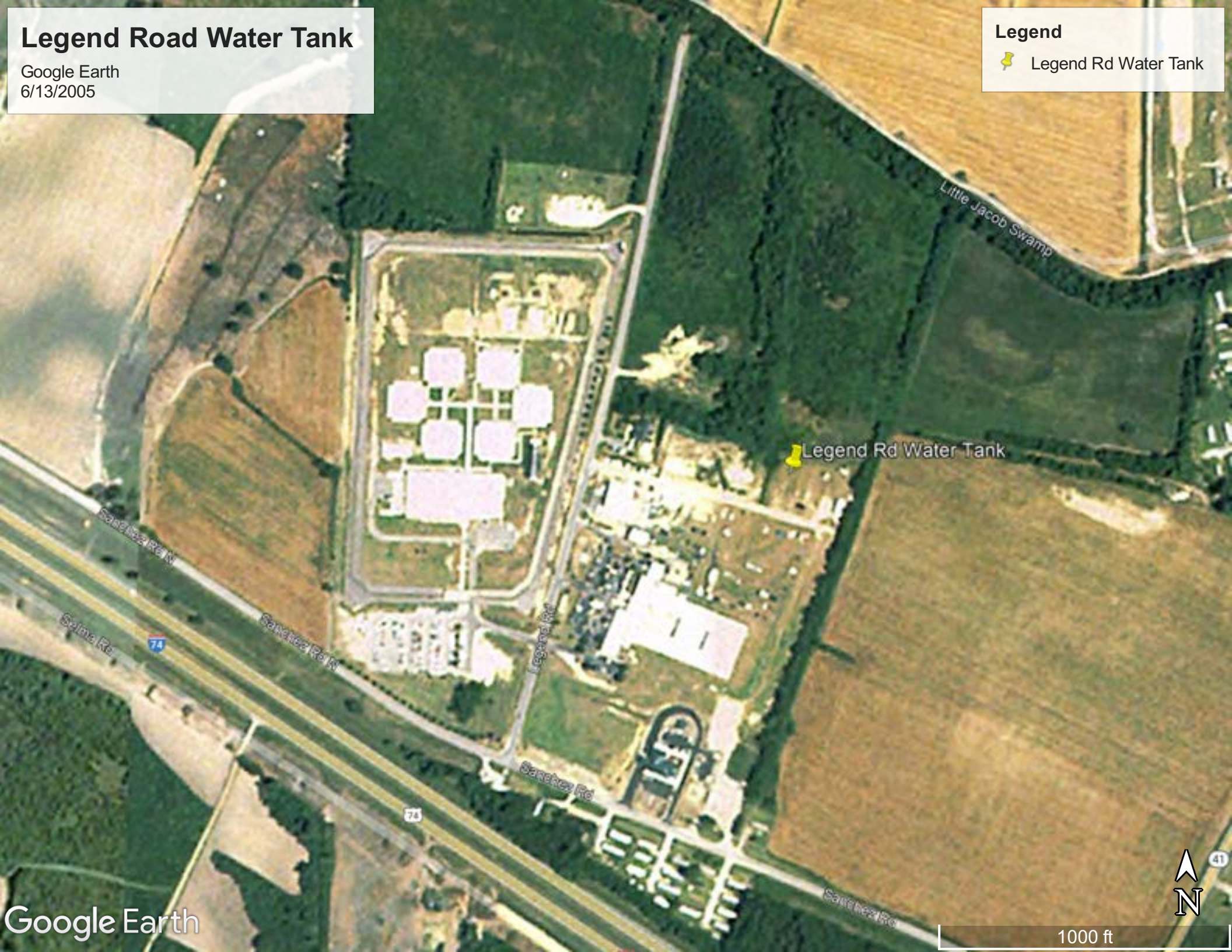
1000 ft


Legend Road Water Tank

Google Earth
6/13/2005

Legend

 Legend Rd Water Tank




 Legend Rd Water Tank



Legend Road Water Tank

Google Earth
2/14/1999

Legend

 Legend Rd Water Tank



Legend Road Water Tank

Google Earth
2/26/94

Legend

 Legend Rd Water Tank



Legend Road Water Tank

Google Earth
2/23/1993

Legend

 Legend Rd Water Tank



Legend Road Water Tank – Historical Aerial 2/1/1981



AR1VEZV00010015

Legend Road Water Tank – Historical Aerial 1/15/1976



AR1VEBW00010015

Legend Road Water Tank – Historical Aerial 3/30/1971



Legend Road Water Tank – Historical Aerial 4/01/1964



ARB640120182615

Legend Road Water Tank – Historical Aerial 1/1/1958

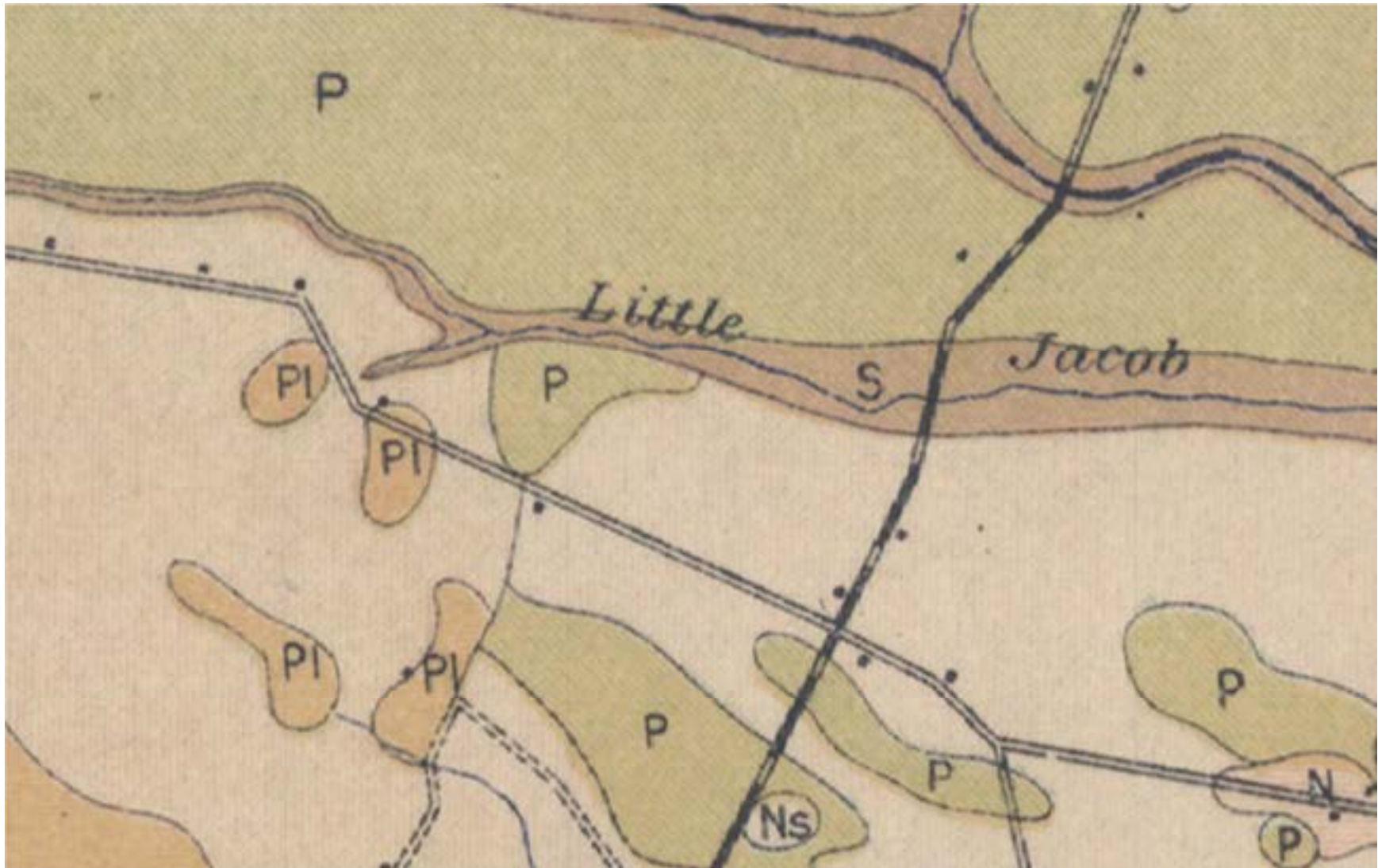


ARCVAP620180134

Legend Road Water Tank – Historical Aerial 11/21/1950



Legend Road Water Tank – Robeson County Soil Survey, 1908



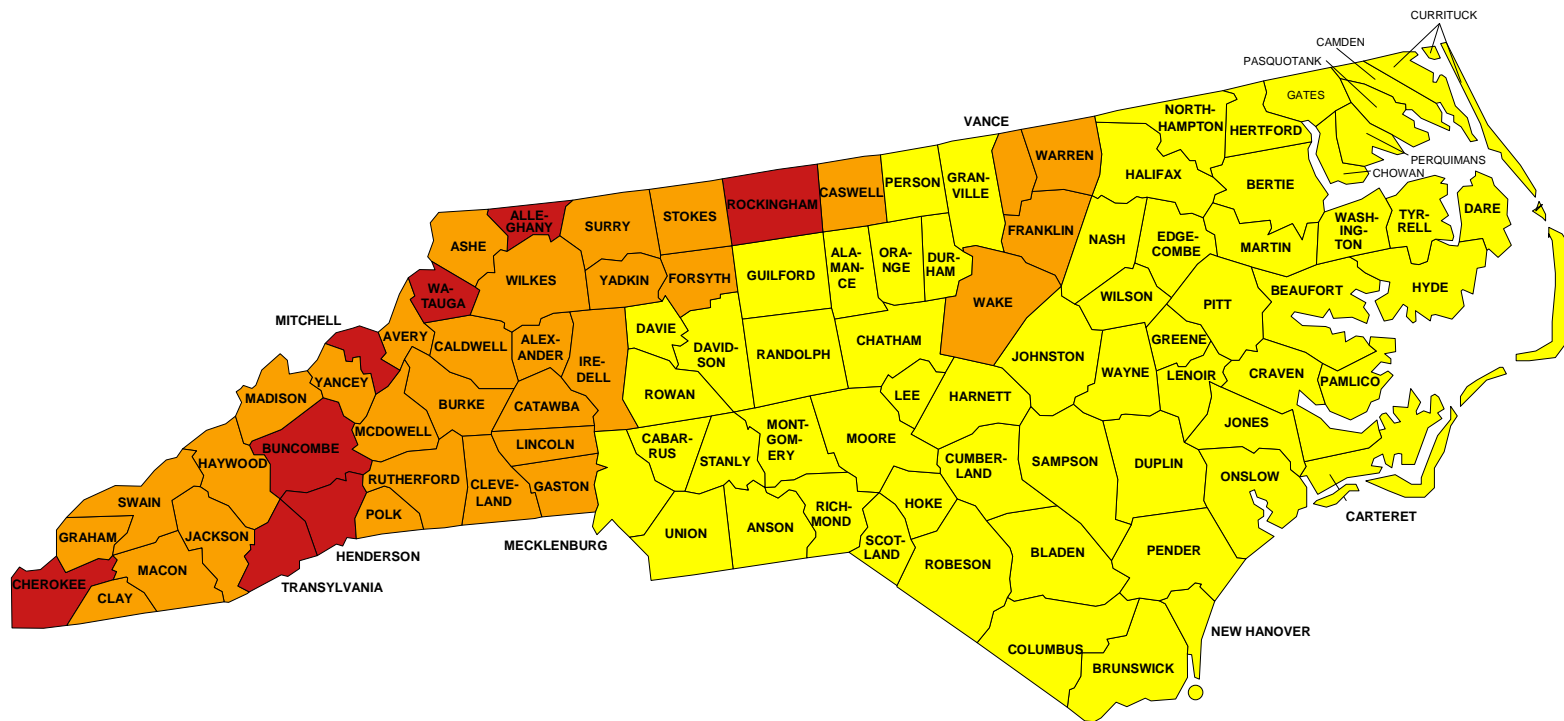
NORTH CAROLINA - EPA Map of Radon Zones

<http://www.epa.gov/radon/zonemap.html>

The purpose of this map is to assist National, State and local organizations to target their resources and to implement radon-resistant building codes.

This map is not intended to determine if a home in a given zone should be tested for radon. Homes with elevated levels of radon have been found in all three zones.

All homes should be tested, regardless of zone designation.



Zone 1



Zone 2



Zone 3

IMPORTANT: Consult the publication entitled "Preliminary Geologic Radon Potential Assessment of North Carolina" (USGS Open-file Report 93-292-D) before using this map. <http://energy.cr.usgs.gov/radon/grpinfo.html> This document contains information on radon potential variations within counties. EPA also recommends that this map be supplemented with any available local data in order to further understand and predict the radon potential of a specific area.

ATTACHMENT 8:

Endangered Species

USFWS Raleigh FO 10-step Package and USFWS
and NCORR Correspondence

Gievers, Andrea

From: Gievers, Andrea
Sent: Wednesday, May 24, 2023 12:21 PM
To: Raleigh, FW4
Cc: Mann, Leigh
Subject: Self Certification - Legend Road Water Tank Project, Lumberton, NC
Attachments: NCORR USFWS Legend Rd Water Tank Self-Cert pkg.pdf

Hello:

Please accept the *Legend Road Water Tank Project* Self-Certification Letter and supporting No Effect documentation for your records. The North Carolina Office of Recovery and Resiliency (NCORR), as a recipient of Community Development Block Grant – Mitigation (CDBG-MIT) funds from the United States Department of Housing and Urban Development (HUD), is considering funding this Infrastructure Recovery Program project. The proposed project location is at 176 Legend Road, Lumberton, Robeson County, NC 28358. During the Hurricane Matthew storm event, water delivery systems throughout Robeson County were adversely impacted by water service interruptions, including to the public facilities (Robeson County Emergency Operations Center, Sheriff's Office and Jail, Emergency Medical Services, Water Department, and Public Utilities buildings) located along Legend and Sanchez Roads. During and immediately following the storm event, potable water had to be transported to these facilities, both by truck and through individual bottled servings. It is critical for public health that these facilities have adequate water supply during emergencies and future storm events.

This proposed project will construct a 500,000-gallon elevated water storage tank, altitude valve vault and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events. The elevated water storage tank, altitude valve vault and water main will be constructed on a previously-cleared, fenced-in portion of this large County parcel situated east of the Methodist Home for Children's parcel and north of several Robeson County public facilities. A 12-inch PVC water main and associated valves will be installed in the driveway/unnamed road running east-west to Legend Road between the fenced-in proposed tank and existing treatment facility and the Public Utilities buildings and Robeson County Ambulance Service/EMS. There will be **no tree clearing**. The proposed project activities will be completed in accordance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. Please feel free to contact me if you have any questions. Thank you for your time and assistance!

Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM
Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700



North Carolina Department of Public Safety

Office of Recovery and Resiliency

Roy Cooper, Governor
Eddie M. Buffaloe, Jr., Secretary

Laura H. Hogshead, Director

May 24, 2023

Mr. John Ellis
U.S. Fish and Wildlife Service
Raleigh ES Field Office
P.O. Box 33726
Raleigh, NC 27636-3726

Sent Via Email: Raleigh@fws.gov
Leigh_Mann@fws.gov

RE: Section 7 Project Review - No Effect Determination
NCORR - HUD CDBG-MIT Program
Legend Road Water Tank
176 Legend Road
Lumberton, NC 28358

Dear Mr. Ellis:

The North Carolina Office of Recovery and Resiliency (NCORR) as a recipient of Community Development Block Grant – Mitigation (CDBG-MIT) funds from the United States Department of Housing and Urban Development (HUD) is considering funding this proposed Infrastructure Recovery Program project, Legend Road Water Tank located at 176 Legend Road, Lumberton, Robeson County, NC 28358. The State of North Carolina was adversely impacted by the landfall of Hurricanes Matthew (October 8, 2016) and Florence (September 14, 2018). During the Hurricane Matthew storm event, water delivery systems throughout Robeson County were adversely impacted by water service interruptions, including to the public facilities located along Legend and Sanchez Roads. During and immediately following the storm event, potable water had to be transported to these facilities, both by truck and through individual bottled servings. The NC DWR's Public Water Supply section requires all water systems to maintain a minimum pressure of 30 psi for normal conditions and 20 psi for fire flow. These numbers are attainable with the proposed project's installation of an elevated water storage tank in the vicinity of the Robeson County Emergency Operations Center, Sheriff's Office and Jail, Emergency Medical

Mailing Address:
Post Office Box 110465
Durham, NC 27709



Phone: (984) 833-5350
www.ncdps.gov
www.rebuild.nc.gov

An Equal Opportunity Employer

Services, Water Department, and Public Utilities buildings to avoid system pressure loss at these County facilities and the adjacent NC Department of Corrections' Lumberton Correctional Institution. It is critical for public health that these facilities have adequate water supply during emergencies and future storm events. This proposed project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events. Therefore, funding for the proposed project will be provided in part by the HUD CDBG-MIT North Carolina Infrastructure Recovery Program for Hurricanes Matthew and Florence storm recovery activities in North Carolina.

The purpose of this letter is to provide the U.S. Fish and Wildlife Service – Raleigh ES Field Office (USFWS) notice of the proposed project and to document compliance with Section 7 of the Endangered Species Act (ESA) of 1973 (16 U.S.C. 1531-1544, 87 Stat. 884), as well as the Migratory Bird Treaty Act (MBTA) (16 U.S.C. 703–712) and the Bald and Golden Eagle Protection Act (BGEPA) (16 U.S.C. 668-668c, 54 Stat. 250), as amended.

We have reviewed the proposed project using the USFWS Raleigh Ecological Services' online 10-step project review process and made “**no effect**” determinations for proposed/listed species and/or proposed/designated critical habitat and a “**no Eagle Act permit required**” determination for eagles. Please find attached the Self-certification Letter and 10-step Project Review Package for the proposed project in accordance with all instructions provided, using the best available information to reach our conclusions.

This proposed project will utilize CDBG-MIT funding to construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions as experienced during Hurricane Matthew. The proposed project includes procurement of architectural/engineering services, soils testing, boundary surveys, and construction of improvements. Construction will involve extensive land clearing and excavation, trenching, placement of concrete foundations, installation of an appropriately-sized elevated water tank and piping, and connections to the existing 12-inch water main on Legend Road and the existing 8-inch water main that ties into Sanchez Road. The foundations shall be a mat or ring wall foundation with a depth not to exceed 10 feet below finish grade or pilings to a depth of not more than 65 feet. Two hundred feet of ductile iron pipe with neoprene gaskets will be installed where the water main passes within 100 feet of an existing underground fuel storage tank. Two 6-inch steel bollards will be installed at the proposed fire hydrant. There is an existing chain link fence and gate around the proposed project development area where the elevated water storage tank and altitude valve vault will be located.

A NC Natural Heritage Program (NHP) database query report and USFWS Information for Planning and Consultation (IPaC) Official Species List were prepared for the proposed project. The Official Species List identified a total of six threatened, endangered or candidate species and no critical habitat for the proposed project area. These species include the Tricolored Bat, Red-cockaded Woodpecker, Wood Stork, American Alligator, Monarch Butterfly and Michaux's Sumac. There are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related

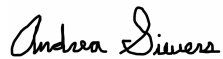
impacts. The Official Species List identified no FWS migratory birds of concern within the vicinity or the proposed project area.

The elevated water storage tank, altitude valve vault and water main will be constructed on a previously-cleared, fenced-in portion of this large County parcel situated east of the Methodist Home for Children's parcel and north of several Robeson County public facilities. A 12-inch PVC water main and associated valves will be installed in the driveway/unnamed road running east-west to Legend Road between the fenced-in proposed tank and existing treatment facility and the Public Utilities buildings and Robeson County Ambulance Service/ EMS. There will be ***no tree clearing*** to affect any potential habitat for the Tricolored Bat, Red-cockaded Woodpecker, and Wood Stork. The proposed project's action area does not include suitable habitat for the American Alligator. Due to regular mowing, habitat at the proposed project's action area is considered poor to unsuitable for Monarch Butterflies and Michaux's Sumac. The proposed project activities will be completed in accordance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions.

NCORR is submitting the above information as notification of its **No Effect** determination and requests *acknowledgement* from USFWS that they have received this determination that the proposed project would have No Effect on migratory birds, endangered/threatened species, or critical habitat for species under USFWS jurisdiction.

If you have any questions or require additional information regarding this request, please feel free to contact Andrea Gievers at (845) 682-1700 or via email at Andrea.L.Gievers@Rebuild.NC.gov. Thank you for your time and assistance.

Sincerely,



Andrea Gievers, JD, MSEL, ERM
NCORR Environmental Subject Matter Expert

Attachments:

- Self-certification Letter
- 10-step Project Review Package



United States Department of the Interior

FISH AND WILDLIFE SERVICE



Raleigh Field Office
P.O. Box 33726
Raleigh, NC 27636-3726

Date: _____

Self-Certification Letter

Project Name _____

Dear Applicant:

Thank you for using the U.S. Fish and Wildlife Service (Service) Raleigh Ecological Services online project review process. By printing this letter in conjunction with your project review package, you are certifying that you have completed the online project review process for the project named above in accordance with all instructions provided, using the best available information to reach your conclusions. This letter, and the enclosed project review package, completes the review of your project in accordance with the Endangered Species Act of 1973 (16 U.S.C. 1531-1544, 87 Stat. 884), as amended (ESA), and the Bald and Golden Eagle Protection Act (16 U.S.C. 668-668c, 54 Stat. 250), as amended (Eagle Act). This letter also provides information for your project review under the National Environmental Policy Act of 1969 (P.L. 91-190, 42 U.S.C. 4321-4347, 83 Stat. 852), as amended. A copy of this letter and the project review package must be submitted to this office for this certification to be valid. This letter and the project review package will be maintained in our records.

The species conclusions table in the enclosed project review package summarizes your ESA and Eagle Act conclusions. Based on your analysis, mark all the determinations that apply:

“no effect” determinations for proposed/listed species and/or proposed/designated critical habitat; and/or

“may affect, not likely to adversely affect” determinations for proposed/listed species and/or proposed/designated critical habitat; and/or

“may affect, likely to adversely affect” determination for the Northern long-eared bat (*Myotis septentrionalis*) and relying on the findings of the January 5, 2016, Programmatic Biological Opinion for the Final 4(d) Rule on the Northern long-eared bat;

“no Eagle Act permit required” determinations for eagles.

We certify that use of the online project review process in strict accordance with the instructions provided as documented in the enclosed project review package results in reaching the appropriate determinations. Therefore, we concur with the “no effect” or “not likely to adversely affect” determinations for proposed and listed species and proposed and designated critical habitat; the “may affect” determination for Northern long-eared bat; and/or the “no Eagle Act permit required” determinations for eagles. Additional coordination with this office is not needed. Candidate species are not legally protected pursuant to the ESA. However, the Service encourages consideration of these species by avoiding adverse impacts to them. Please contact this office for additional coordination if your project action area contains candidate species. Should project plans change or if additional information on the distribution of proposed or listed species, proposed or designated critical habitat, or bald eagles becomes available, this determination may be reconsidered. This certification letter is valid for 1 year. Information about the online project review process including instructions, species information, and other information regarding project reviews within North Carolina is available at our website <http://www.fws.gov>. If you have any questions, you can write to us at Raleigh@fws.gov or please contact Leigh Mann of this office at 919-856-4520, ext. 10.

Sincerely,

/s/Pete Benjamin

Pete Benjamin
Field Supervisor
Raleigh Ecological Services

Enclosures - project review package



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Raleigh Ecological Services Field Office
Post Office Box 33726
Raleigh, NC 27636-3726
Phone: (919) 856-4520 Fax: (919) 856-4556

In Reply Refer To:
Project Code: 2023-0080528
Project Name: Legend Road Water Tank

May 10, 2023

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*). If your project area contains suitable habitat for any of the federally-listed species on this species list, the proposed action has the potential to adversely affect those species. If suitable habitat is present, surveys should be conducted to determine the species' presence or absence within the project area. The use of this species list and/or North Carolina Natural Heritage program data should not be substituted for actual field surveys.

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered

species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see <https://www.fws.gov/birds/policies-and-regulations.php>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see <https://www.fws.gov/birds/bird-enthusiasts/threats-to-birds.php>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/birds/policies-and-regulations/executive-orders/e0-13186.php>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
 - Migratory Birds
-

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Raleigh Ecological Services Field Office

Post Office Box 33726

Raleigh, NC 27636-3726

(919) 856-4520

PROJECT SUMMARY

Project Code: 2023-0080528
Project Name: Legend Road Water Tank
Project Type: Water Supply Facility - New Constr
Project Description: The proposed site for construction (Subject Property) is located at 176 Legend Road, Lumberton, Robeson County, NC 28358. According to the Robeson County Tax Map, the County-owned Parcel ID is 02090100501 and consists of 60.96 acres.

This proposed project will utilize CDBG-DR funding to construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions as experienced during Hurricane Matthew. The proposed project includes procurement of architectural/engineering services, soils testing, boundary surveys, and construction of improvements. Construction will involve extensive land clearing and excavation, trenching, placement of concrete foundations, installation of an appropriately-sized elevated water tank and piping, and connections to the existing 12-inch water main on Legend Road and the existing 8-inch water main that ties into Sanchez Drive. The foundations shall be a mat or ring wall foundation with a depth not to exceed 10 feet below finish grade or pilings to a depth of not more than 65 feet. Two hundred feet of ductile iron pipe with neoprene gaskets will be installed where the water main passes within 100 feet of an existing underground fuel storage tank.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@34.586805,-79.05184465638868,14z>



Counties: Robeson County, North Carolina

ENDANGERED SPECIES ACT SPECIES

There is a total of 6 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

BIRDS

NAME	STATUS
Red-cockaded Woodpecker <i>Picoides borealis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7614	Endangered
Wood Stork <i>Mycteria americana</i> Population: AL, FL, GA, MS, NC, SC No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/8477	Threatened

REPTILES

NAME	STATUS
American Alligator <i>Alligator mississippiensis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/776	Similarity of Appearance (Threatened)

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

FLOWERING PLANTS

NAME	STATUS
Michaux's Sumac <i>Rhus michauxii</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5217	Endangered

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

MIGRATORY BIRDS

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

THERE ARE NO FWS MIGRATORY BIRDS OF CONCERN WITHIN THE VICINITY OF YOUR PROJECT AREA.

MIGRATORY BIRDS FAQ

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list

of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go to the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the [RAIL Tool](#) and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical](#)

[Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

IPAC USER CONTACT INFORMATION

Agency: State of North Carolina
Name: Andrea Gievers
Address: P.O. Box 110465
Address Line 2: 200 Park Offices Drive
City: Durham
State: NC
Zip: 27709
Email: andrea.l.gievers@rebuild.nc.gov
Phone: 8456821700



Roy Cooper, Governor

D. Reid Wilson, Secretary

Misty Buchanan
Deputy Director, Natural Heritage Program

@5@: 67Z\$# (&

? Sk # ! \$" \$%

3`VdMS 9 [VhWde
@5A DD
BZA ž4aj ## &('
6gdZS_ ! @5 \$)) " +
D7, >VW V DaSV I SfWdFS`]

6Vsd 3`VdMS 9 [VhWde,

FZW@adFZ 5Sca ↑ S @SfgdS^: Wd[FSYWBdaYdS_ /@5@: BfiSbbdWU[SfWē fZWabba dfg` [fk fa bcah[VW
[Xad_ Sf[a` STagf` SfgdS^ZWd[FSYWdMeagdUWē Xad fZWbca WUf dWVdW UW STahVž

3 cgWk aXfZW@5@: B VSfSTSeW[V[USfVē fZSf fZWdSdWdUadVe Xad dSdWebWU[Vē [_ badfS` f` SfgdS^
Ua__ g` [f[Vē ` SfgdS^SdMSeI S` V! adUa` eVhSf[a` ! _ S` SYVW SdMSe i [fZ[fZWbdaba eVW bca WUf
Tag` VSkž fZVēWdVēg fe SdWbdVēW fVW [fZWSffSUZVW 6aUg_ W fVW A UugdW UWē fST Vē S` V _ Sbž

FZWSffSUZVW BafW f[S^A UugdW UWē fST Vēg_ _ Sd[Vē dSdWebWU[Vē S` V` SfgdS^Ua__ g` [f[Vē fZSf
ZShWT VVW VaUg_ W fVW i [fZ[S a` Vž_ [WdSV[ge aXfZWbdab Wdfk Tag` VSkž fZWbdaj [[fk aXfZVēW
dUadVe egYYVē fe fZSf fZVēW` SfgdS^ZWd[FSYWWW_ W fe_ Sk bafW f[S^k TWbdVēW f [fZWbd WUf SdMS
[XegfST WZST [fSf VY [efež fST Vē aX` SfgdS^SdMSe S` V Ua` eVhSf[a` ! _ S` SYVW SdMSe i [fZ[S a` Vž_ [W
dSV[ge aXfZWbd WUf SdMSI [XS` kI SdMS`ea [U`gVWV [fZ[e dVb adž

;XS 8VWVdS^k Ž`efW ebWU[Vē [e VaUg_ W fVW i [fZ[fZWbd WUf SdMS ad[V[USFW i [fZ[S a` Vž_ [W
dSV[ge aXfZWbd WUf SdMSI fZW@5@: B dWUa_ _ W Ve Ua` fSUF[Y fZWGE 8[eZ S` V I [V`WVēVh[UW
/GE8I EfiXadYg[VS` UVž5a` fSUF [Xad_ Sf[a` XadGE8I E aX[UWē [@adFZ 5Sca ↑ S [e Xag` V ZVdW
[Zffbe!! i i ži ež`ah! aX\[UWē! 6 \[dWUfack! >\[efA X\[UWēZUX 1efSfWUaVW%\) ž](#)

BVSeW` aFwFZSf` SfgdS^ZWd[FSYWWW_ W f VSfS SdW_ S[fS[VW Xad fZWbgbcbaeVē aXUa` eVhSf[a`
b`S` [Yf bca WUf dVh[VW I S` V eU[W f[XU dVēVdUzI S` V SdW` af [fW VVW Xad geWSe fZWbd_ Sck Ud[fVd[S
Xad dWg`Sfack VVU[e]a` ež;` Xad_ Sf[a` bcah[VVW Tk fZW@5@: B VSfSTSeW_ Sk` af TWbgT [eZVW
i [fZagf b[d]adi d[ffW` af[XUSf[a` fa fZW@5@: B! S` V fZW@5@: B _ gef TWUdW[fVW Se S` [Xad_ Sf[a`
eagdUW[fZVēWbgT [USf[a` ež? Sbe aX@5@: B VSfS _ Sk` af TWdW[efd[T gfVW i [fZagf bWd_ [ee]a` ž

3`ea b`VSeW` aFwFZSf fZW@5 @SfgdS^: Wd[FSYWBdaYdS_ _ Sk Xa`ai fZ[e VVfVdi [fZ SVV[f]a` S^
UadVēba` VV UW[XS 6VW [USFW @SfgdWBdVēVhW DVW [efVdW : Wd[FSYW3 dMSI >S` V S` V I SfWd 8g` V
VSeW_ W fl adS` aUugdW UWa XS 8VWVdS^k Ž`efW ebWU[Vē [e VaUg_ W fVW ` Vsd fZWbd WUf SdMSž

;Xkag ZShWcgVef[a` e dWV SdV[Y fZW[Xad_ Sf[a` bcah[VVW [fZ[e VVfVd ad` WWW SVV[f]a` S^See[efS` UW
b`VSeWUa` fSUF DaV` VK 3ž4gf Vd Sf [daV` VK ž gf Wd2` UVUdž`ah](#) ad+# ž)) Ž` (" %ž

E[UVdVki
@5 @SfgdS^: Wd[FSYWBdaYdS_

@SfgdS^: WfSYW7^W_ W f A U UgdW UW @SfgdS^3dWSe S` V ? S` SYW 3dWSe ;` fWdWUf [Y fZWbda WUf 3dWSe
>WV V DaSV I SfWfS`]
? Sk # ! \$" \$%
@5@: 67Z\$# (&

7^W_ W f A U UgdW UW 6aUg_ W fW I [fZ [Bda WUf 3dWSe

FSj a` a_ [U	7A ;6	EU[W f [U @S_ W	5a_ _ a` @S_ W	>Sef	7^W_ W f	3U UgdSuk	8WVW^	EfSfW	9`aTS^ EfSfW
9dagb				A TeWhSf[a`	A U UgdW UW		EfSfge	EfSfge	DS`] DS`]
				6SfW	DS`]				
8dWzi SfWd8[eZ%#%)	7` ` W\$US` fZge	4`SU] TS` VW Eg` X[eZ	\$" #Z`) Z\$	7	%Z? VW [g_	ZZZ	E [Y` [XUS` f`k	9`9 &	E%
	UZSWfaVa`						DsdW		

@a @SfgdS^3dWSe SdW6aUg_ W fW i [fZ [fZWbda WUf 3dWSe

? S` SYW 3dWSe 6aUg_ W fW I [fZ [Bda WUf 3dWSe^{fl}

? S` SYW 3dWSe @S_ W	Ai ` Wd	Ai ` Wd FkbW
>g_ TWd fa` 5ad WUf [a` S^ ;` ef [fgf [a`	@5 6 Wb Sdf_ W f aXBgT [U ESXWk	EfSfW

^{fl}@A F7, ;XfZWbdabaeW bda WUf [fWdWUfe i [fZ S Ua` eWhSf[a` !_ S` SYW SdW b` WSeWUa` fSUF fZW`S` Vai ` WdV [dWUf`k XadSVV [fa` S^ [Xad_ Sf[a` z;XfZWbda WUf [fWdWUfe i [fZ S 6W [USFW @SfgdWbda WdW
/6@Bfi DW [efVdW @SfgdS^: WfSYW3dWSe/D: 3fi ad8WVW\$`k Z`efW ebWU [W @5@: B efSX_ Sk bdah [VWSSV [fa` S^ UadWba` VW UWdW Sd [Y fZWbda WUf z

6W [[fa` e` S` V S` Wj b`S` Sf[a` aXefSfge VWe [Y` Sf[a` e` S` V UaVWe US` TWXag` V Sf Zffbe!! : U` ZVW SfgdWWhWad / ZWb z6SfS cgWk YW WsfW a` ? Sk # ! \$" \$%- eagdW @5@: B C & ! [fWd / <S` gSckfi \$" \$%
B`WSeWdWegT_ [f kagd [Xad_ Sf[a` dW`gWef [X_ adWfZS` a` WkWSdWSbeVe TWadWbda WUf [[fSf[a` Se` W [Xad_ Sf[a` [e Ua` f [gS`k SVVW fa fZW@5@: B VSFSTSeWz

@SfgdS^: WfSYW7 W_ W f A U UgdW UW @SfgdS^3 dVSe S` V ? S` SYW 3 dVSe I [fZ[S A` VZ_ [WDSV[ge aXfZWBcd WUf 3 dVSe
 >WVWV DaSV I SfWdFS`]
 ? Sk # ! \$" \$%
 @5@: 67Z\$# (&

7 W_ W f A U UgdW UW 6 aUg_ W fW I [fZ[S A` VZ_ [WDSV[ge aXfZWBcd WUf 3 dVSe

FSj a` a_ [U 9dagb	7A ;6 EU[W fXU @S_ W	5a_ _ a` @S_ W	>Sef A TeWthSf[a` 6SfW	7 W_ W f A U UgdW UW DS`]	3 U UgdSuk	8WVW^ EfSfge	EfSfW EfSfge	9`aTS^ EfSfW DS`] DS`]
6 dSYa` Xk ad 6S_ eWXk	%%) (+ Ea_ SfaUZ`adS YVadY[S` S	5abbWk 7_ WdSV	\$" " &ZBdW	: 1	' ZHWk >ai	ZZZ	E[Y` [XUS` f'k DSdW	9%9 & E#1
6 dSYa` Xk ad 6S_ eWXk	%%) * + Fd[SUS` fZSYk` S fd[XVS	BZS` fa_ 6Sd Wd	\$" " &ZBdW	: 1	' ZHWk >ai	ZZZ	E[Y` [XUS` f'k DSdW	9' E:
8dVzi SfWd8[eZ%#%)	7` ` WdSUS` fZge UZSWfaVa`	4`SU] TS` VW Eg` X[eZ	\$" #S`Z`) Z#\$	7	%Z? VW[g_	ZZZ	E[Y` [XUS` f'k DSdW	9%9 & E%

@a @SfgdS^3 dVSe SdW6 aUg_ W fW I [fZ[S A` VZ_ [WDSV[ge aXfZWBcd WUf 3 dVSe

? S` SYW 3 dVSe 6 aUg_ W fW I [fZ[S A` VZ_ [WDSV[ge aXfZWBcd WUf 3 dVSe

? S` SYW 3 dVSe @S_ W	Ai ` Wd	Ai ` Wd FkbW
>g_ TWdfa` 5adWUf[a` S^;` ef[fgf[a`	@5 6 WbSdf_ W f aXBgT U ESXWk	EfSfW

6 VV [f[a` eS` V S` Wj b`S` Sf[a` aXefSfge VVW[Y` Sf[a` eS` V UaVVe US` TWXag` V Sf Zffbe!!` U` ZVW SfgdWthWady! ZWbz6SfS cgvk YW WdFW a` ? Sk # ! \$" \$%-eagdUW @5@: B! C&I I [fWd/<S` gSckfi\$" \$%Z
 B`VSeWdWegT_ [f kagd[Xad_ Sf[a` dWgVef [X_ adWfZS` a` WkVdWSbeVd TVWadWbda WUf [f[Sf[a` Se` W [Xad_ Sf[a` [e Ua` f[gS`k SVVW fa fZW@5@: B VSfSTSeWz

NCNHDE-21864: Legend Road Water Tank



- May 10, 2023
- Managed Area (MAREA)
 - Buffered Project Boundary
 - Project Boundary

Sources: Esri, Airbus DS, USGS, NOAA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NOAA, Geodatasrijnsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community
Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Species Conclusions Table

Project Name: Legend Road Water Tank

Date: 5/22/23

Species / Resource Name	Conclusion	ESA Section 7 / Eagle Act Determination	Notes / Documentation
Tricolored Bat	No suitable habitat present in action area	No Effect	Action area is cleared and along driveway, and no tree clearing.
Red-cockaded Woodpecker	No suitable habitat present in action area	No Effect	Action area is cleared and along driveway, with no tree clearing.
Wood Stork	No suitable habitat present in action area	No Effect	Action area is cleared and along driveway, with no tree clearing.
American Alligator	No suitable habitat present in action area	No Effect	No freshwater, slow-moving rivers or swamps, marshes and lakes in action area
Monarch Butterfly	No suitable habitat present in action area	No Effect	Regular mowing at the action area causes poor to unsuitable habitat
Michaux's Sumac	No suitable habitat present in action area	No Effect	Regular mowing at the action area causes poor to unsuitable habitat
Bald Eagle	Unlikely to disturb nesting bald eagles	No Eagle Act Permit Required	Action area is cleared and along driveway, with no tree clearing.

Acknowledgement: I agree that the above information about my proposed project is true. I used all of the provided resources to make an informed decision about impacts in the immediate and surrounding areas.

Andrea Siivers

Signature /Title

5/22/23

Date

Legend Road Water Tank - Aerial Map

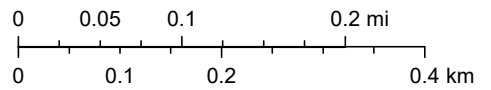


May 10, 2023

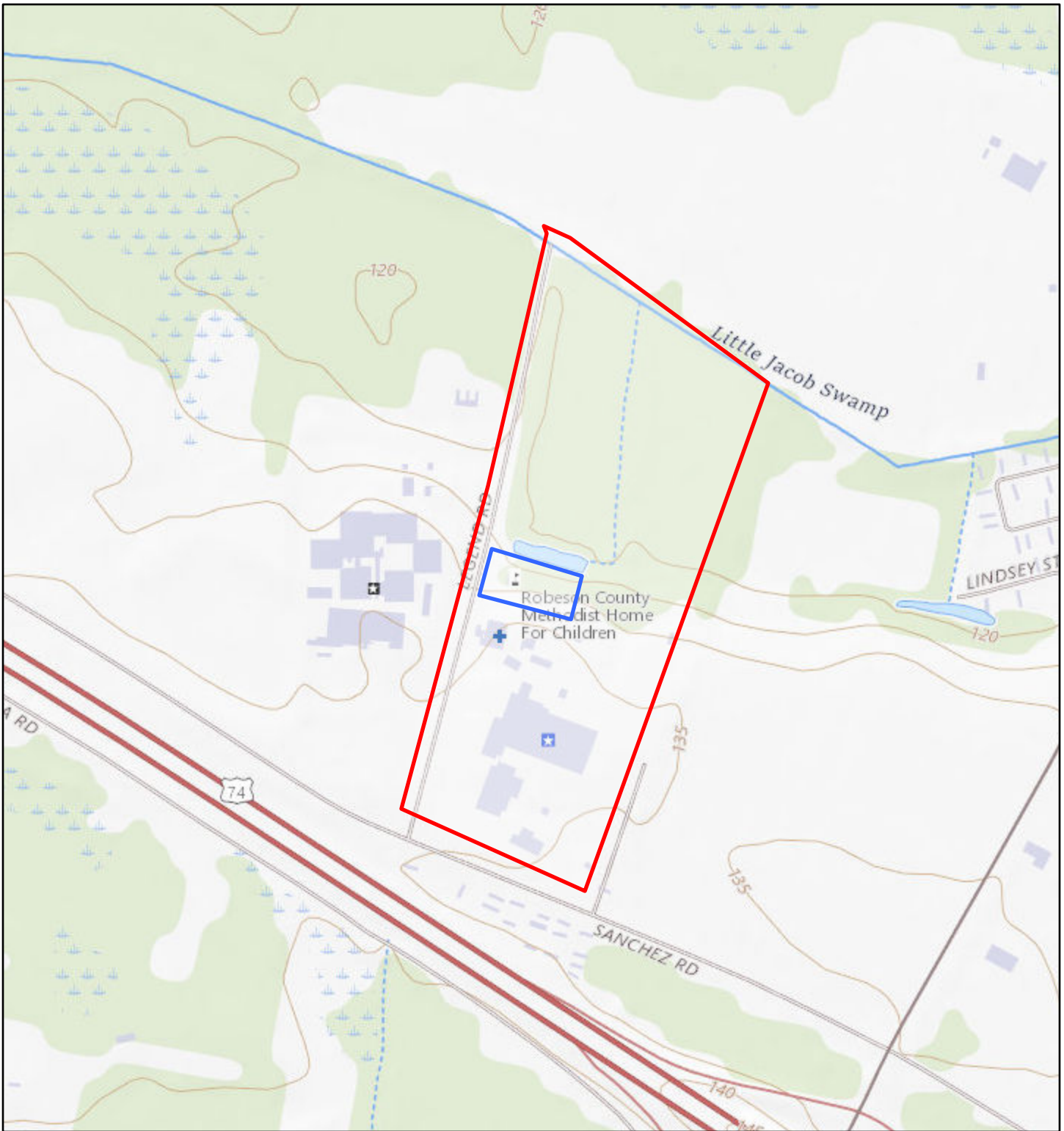
1:9,028

 Excluded Parcel

 Legend Road Water Tank




Legend Road Water Tank - Topo Map

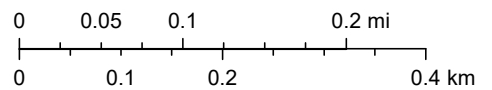


May 10, 2023

1:9,028

 Excluded Parcel

 Legend Road Water Tank





Robeson County
Ambulance Service

N.C.
Dept of
Corrections

Proposed 12'
Water Main

R.C.
Public
Utilities

Proposed Elevated
Tank

Existing
Well
Treatment

R.C.
Sheriff's
Office

R.C. Jail

Robeson County
Emergency
Operations

R.C.
Water
Dept.

1 inch = 200 feet



Legend Road Water Tank – Action Area



Legend Road Water Tank – Google Earth



ROBESON COUNTY COUNTY-WIDE WATER SYSTEM

Legend Road 0.500 MG Elevated Tank

KELLIE BLUE, COUNTY MANAGER
SHELTON HILL, ASSISTANT COUNTY MANAGER
JASON KING, ASSISTANT COUNTY MANAGER

COMMISSIONERS

WIXIE STEPHENS - CHAIRMAN
H. T. (TOM) TAYLOR - VICE CHAIRMAN
PAULINE CAMPBELL
JOHN CUMMINGS
FALINE DAIL
DAVID EDGE
LANCE HERNDON
JUDY SAMPSON

TAMMY FREEMAN, CLERK TO THE BOARD
MYRON NEVILLE, PUBLIC UTILITIES DIRECTOR

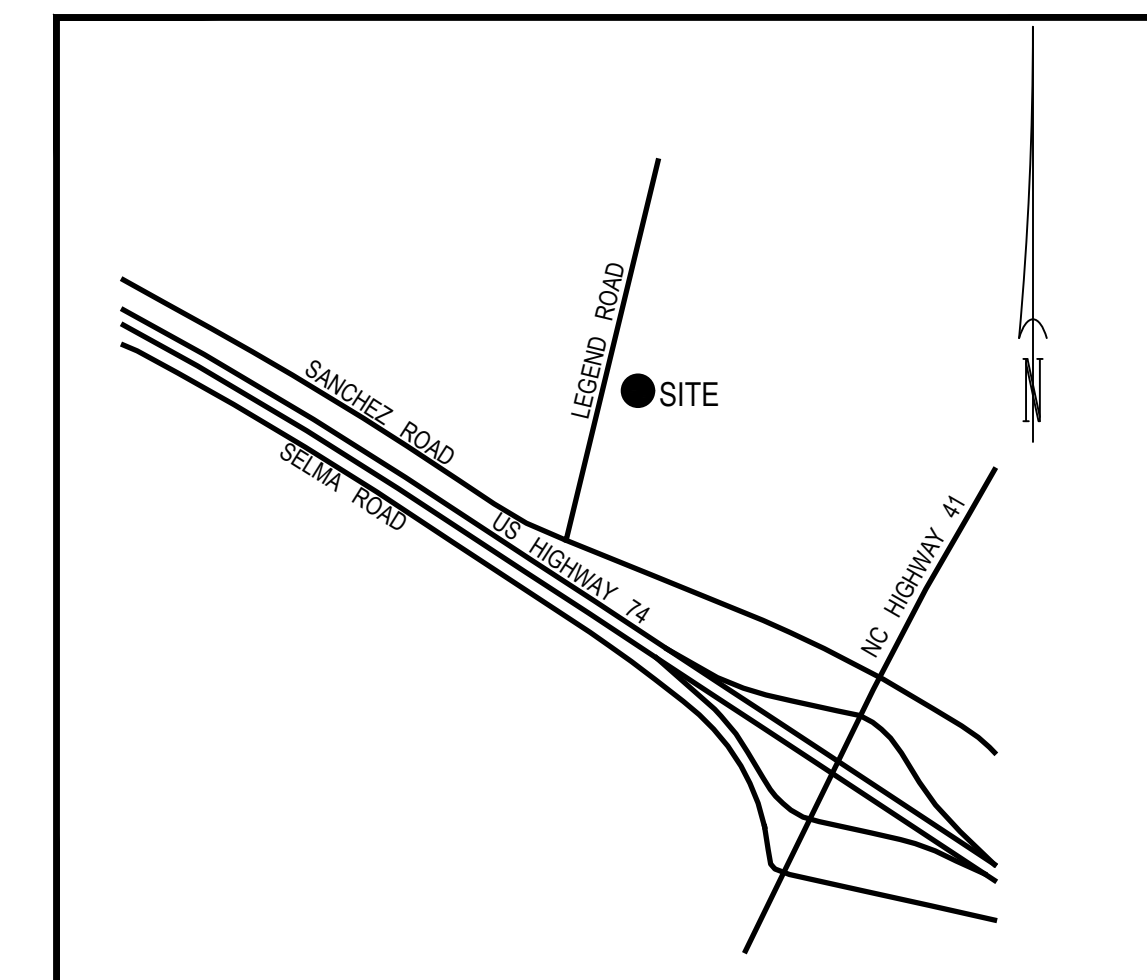
Table of Contents

- 1 - Site Plan
- 2 - 12" Water Main Plan & Profile
- 3 - Tank Elevation & Details
- 4 - Altitude Valve & Vault
- D-1 - Detail Sheet



Know what's below.
Call before you dig.

LIMITS OF WORK SHALL INCLUDE
ALL AREAS INSIDE NCDOT R/W &
EXISTING UTILITIES EASEMENTS
AS SHOWN ON PLANS.

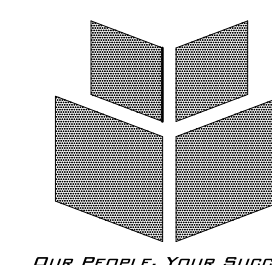


VICINITY MAP



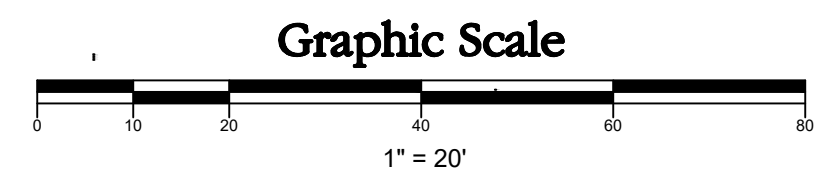
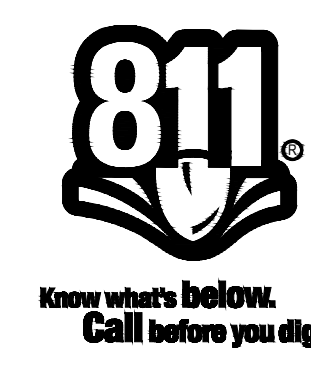
<input checked="" type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary Plat - Not for recordation, conveyances, or sales
<input type="checkbox"/>	Final Drawing - Not released for construction
<input type="checkbox"/>	Final Drawing - For Review Purposes Only
<input type="checkbox"/>	Final Drawing - Released For Construction

WithersRavenel · Engineers · Planners · Surveyors



208 E. 5th Street Lumberton, NC 28358 Phone: 910-738-9376 Fax: 910-738-9378 Email: KNAengineering@att.net Lic. No.- F-1479

camirobo\Legend Road Tank\Site Plan



Site Plan 1"=20'

Legend

- - - 130	EXISTING CONTOUR
- - - 120	PROPOSED CONTOUR

X Preliminary - Do not use for construction
Progress Drawings - Do not use for construction
Preliminary Plat - Not for recordation, conveyances, or sales
Final Drawing - Not released for construction
Final Drawing - For Review Purposes Only
Final Drawing - Released For Construction

N/F
COUNTY OF ROBESON
C/O FINANCE
PARCEL REF. No. 02090100501
PIN: 938035514300
D.B. 687 PG. 865

N/F
CEBSR PROPERTIES LLC
PARCEL REF. No. 020901006
PIN: 938074620300
D.B. 1406 PG. 846

CENTER PROPOSED TANK
N - 304500.4214
E - 1984695.0700
NAD 83 (2011 ADJ.)

TBM - RBC No. 3
N: 304,581.61
E: 1,984,783.27
ELEV: 126.57'

TBM - RBC No. 4
N: 304,337.53
E: 1,984,722.12
ELEV: 131.63'

TBM - RBC No. 2
N: 304,470.57
E: 1,984,362.51
ELEV: 133.76'

DESIGNED BY: SRN
DRAWN BY: CBB
CHECKED BY: SRN
DATE: JAN. 2023
SCALE: 1"=20'
FIELD BOOK: GPS
FILE NO.: SITE Plan
PROJECT NO.: -

WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS
208 EAST 5th STREET • LUMBERTON, N.C. 28388 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • EMAIL: KNAAengineering@att.net

**ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK - SITE PLAN**

SHEET NO. **1**
OF 4



Sec. Rd. 2334
Legend Road

Graphic Scale

1" = 40'

⊗ Preliminary - Do not use for construction
⊞ Progress Drawings - Do not use for construction
⊞ Preliminary Plat - Not for recordation, conveyances, or sales
⊞ Final Drawing - Not released for construction
⊞ Final Drawing - For Review Purposes Only
⊞ Final Drawing - Released For Construction

WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS

208 EAST 5th STREET • LUMBERTON, N.C. 28358 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • E-MAIL: KNEngineering@att.net

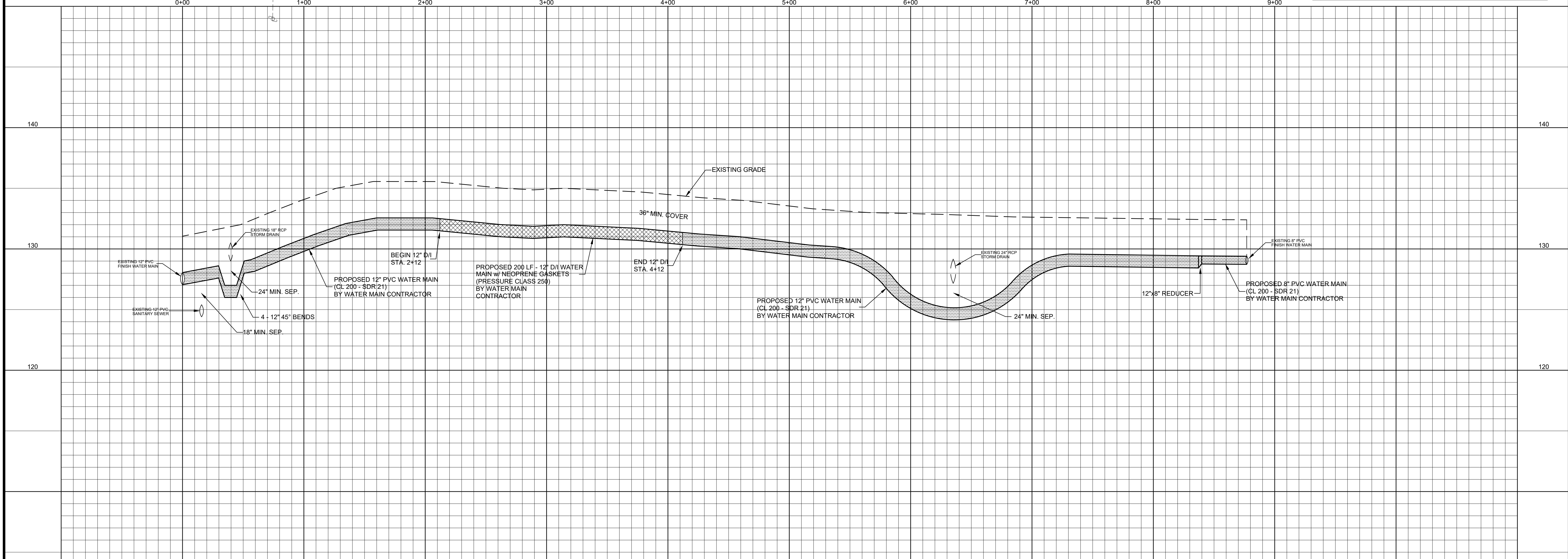
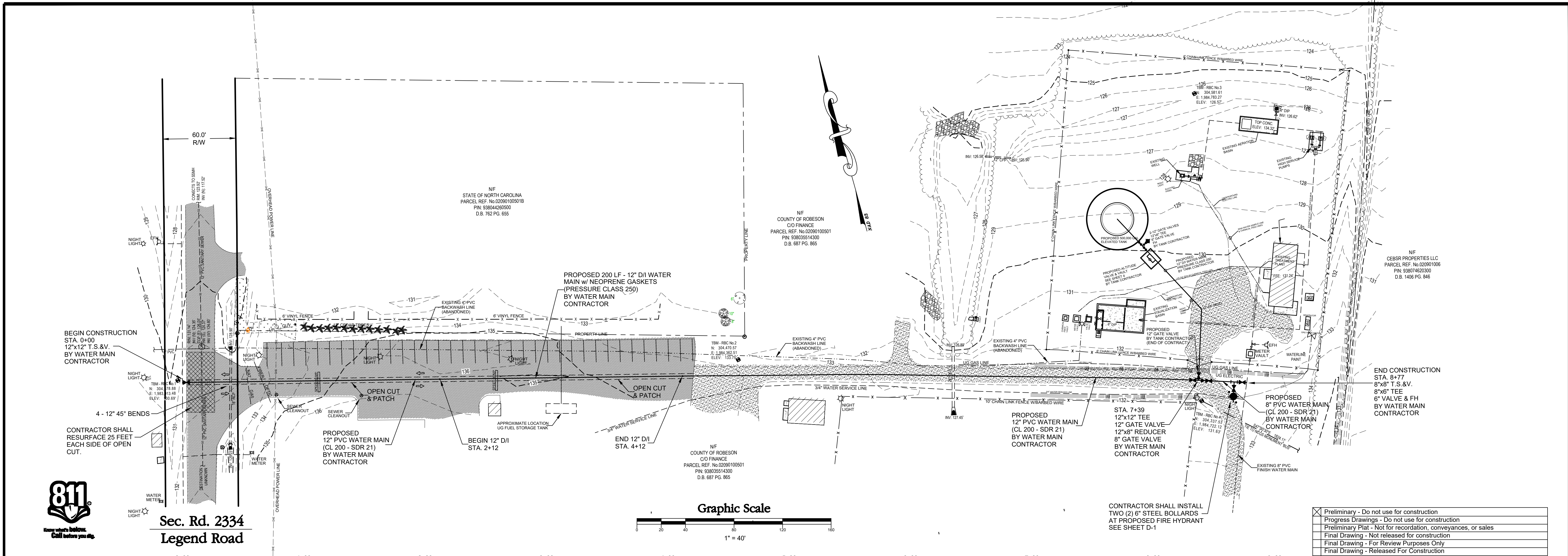
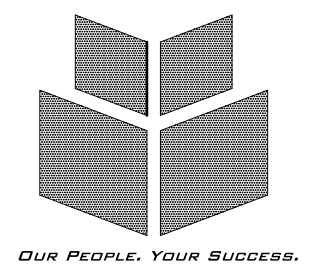
**ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK SITE - PROPOSED WATER MAIN**

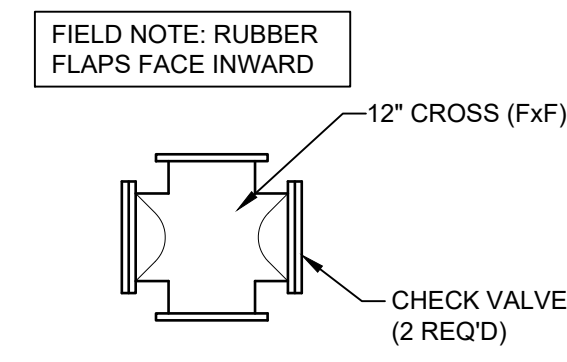
SHEET NO.

2

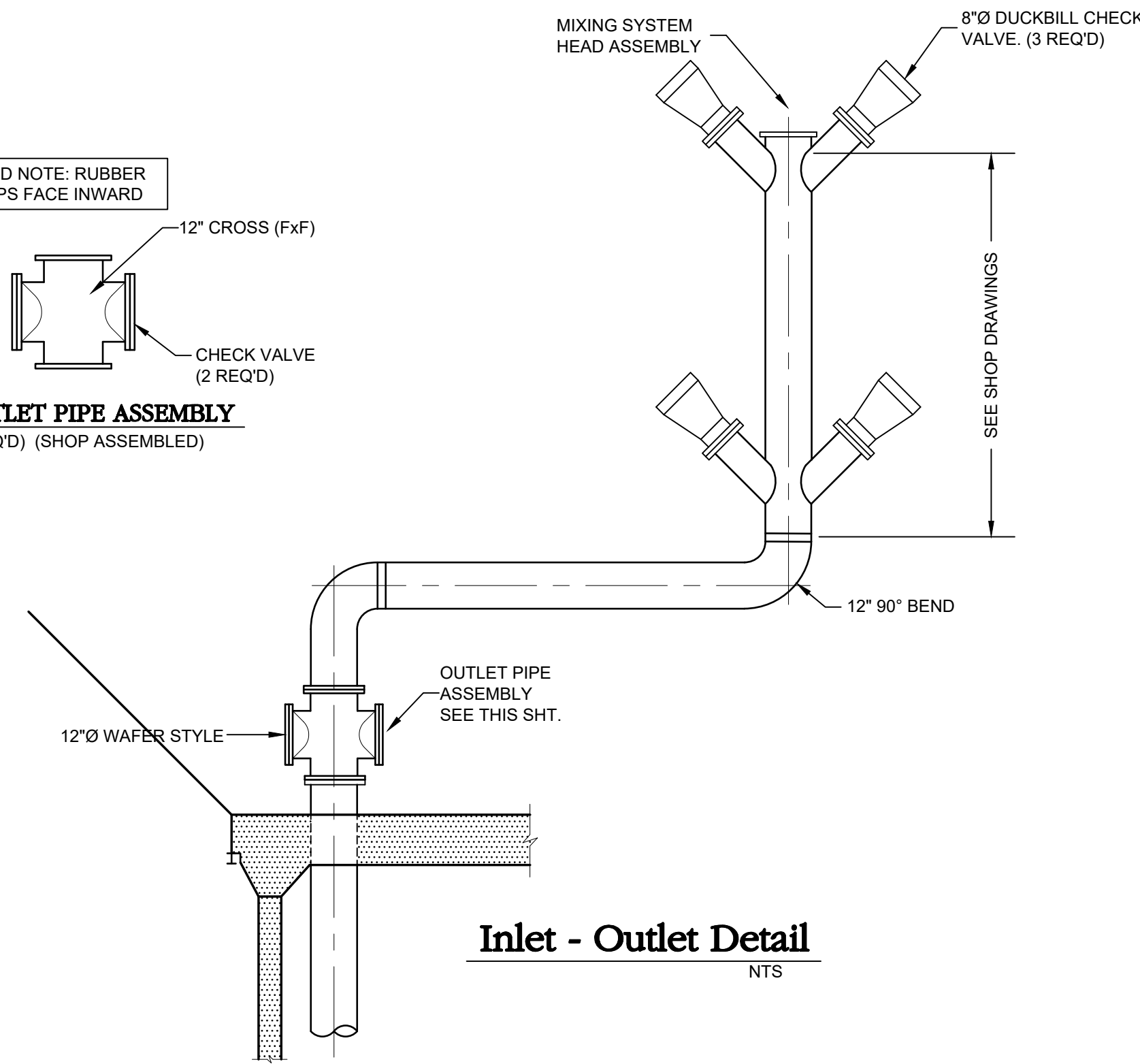
OF 4

DESIGNED BY: SRN
DRAWN BY: CBB
CHECKED BY: SRN
DATE: JAN. 2023
SCALE: 1"=40'H, 1"=4'V
FIELD CODE: EPS
FILE NO: 12 Water Main
PROJECT NO.:

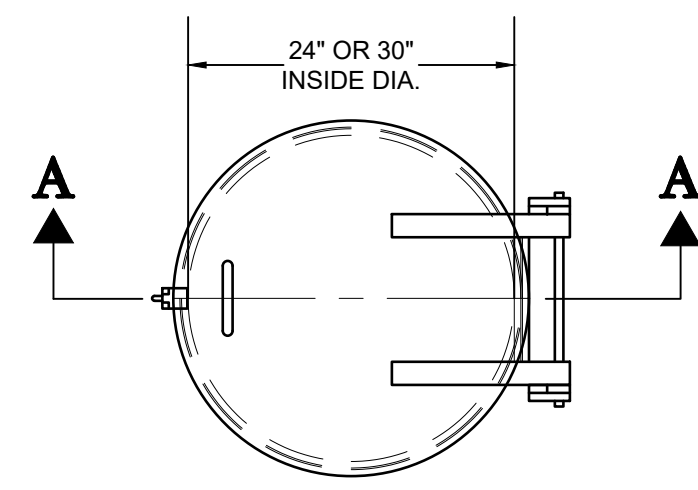




OUTLET PIPE ASSEMBLY
(1 REQ'D) (SHOP ASSEMBLED)

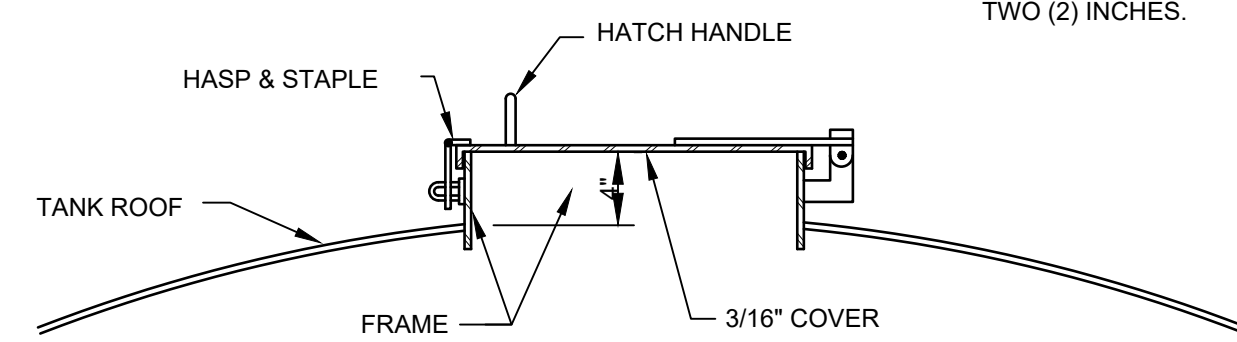


Inlet - Outlet Detail
NTS



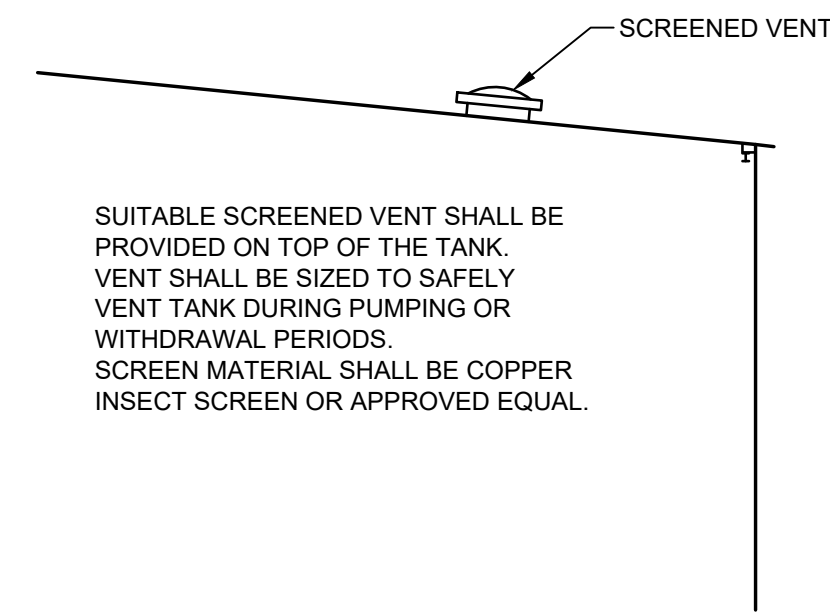
PLAN

NOTE: ROOF HATCH SHALL MEET ALL APPLICABLE REQUIREMENTS OF 15A-NCAC-18C.0405(a)(2). THE COVER SHALL EXTEND DOWN AROUND THE FRAME AT LEAST TWO (2) INCHES.



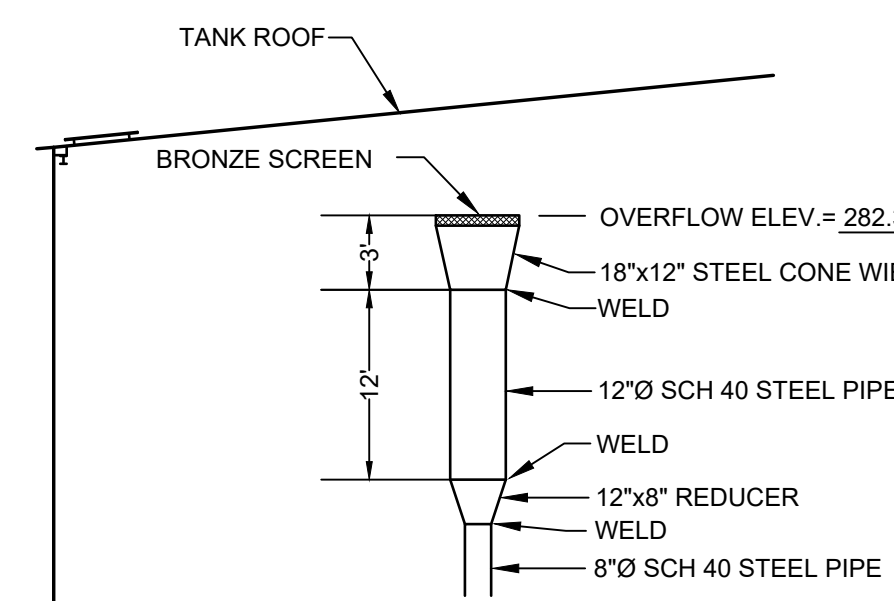
Section A-A

24"Ø or 30"Ø Roof Hatch
NTS

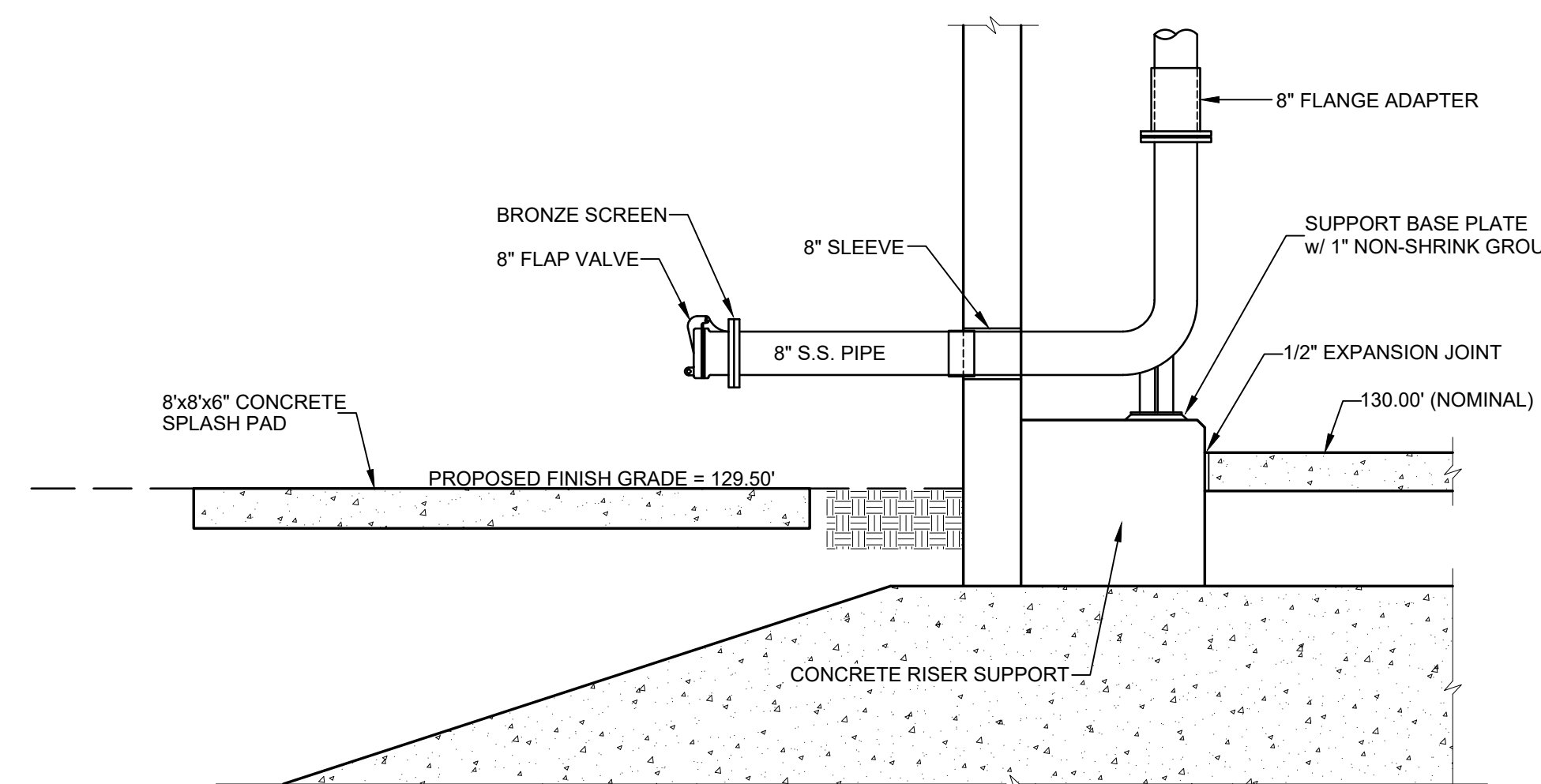


Screened Vent Detail
NTS

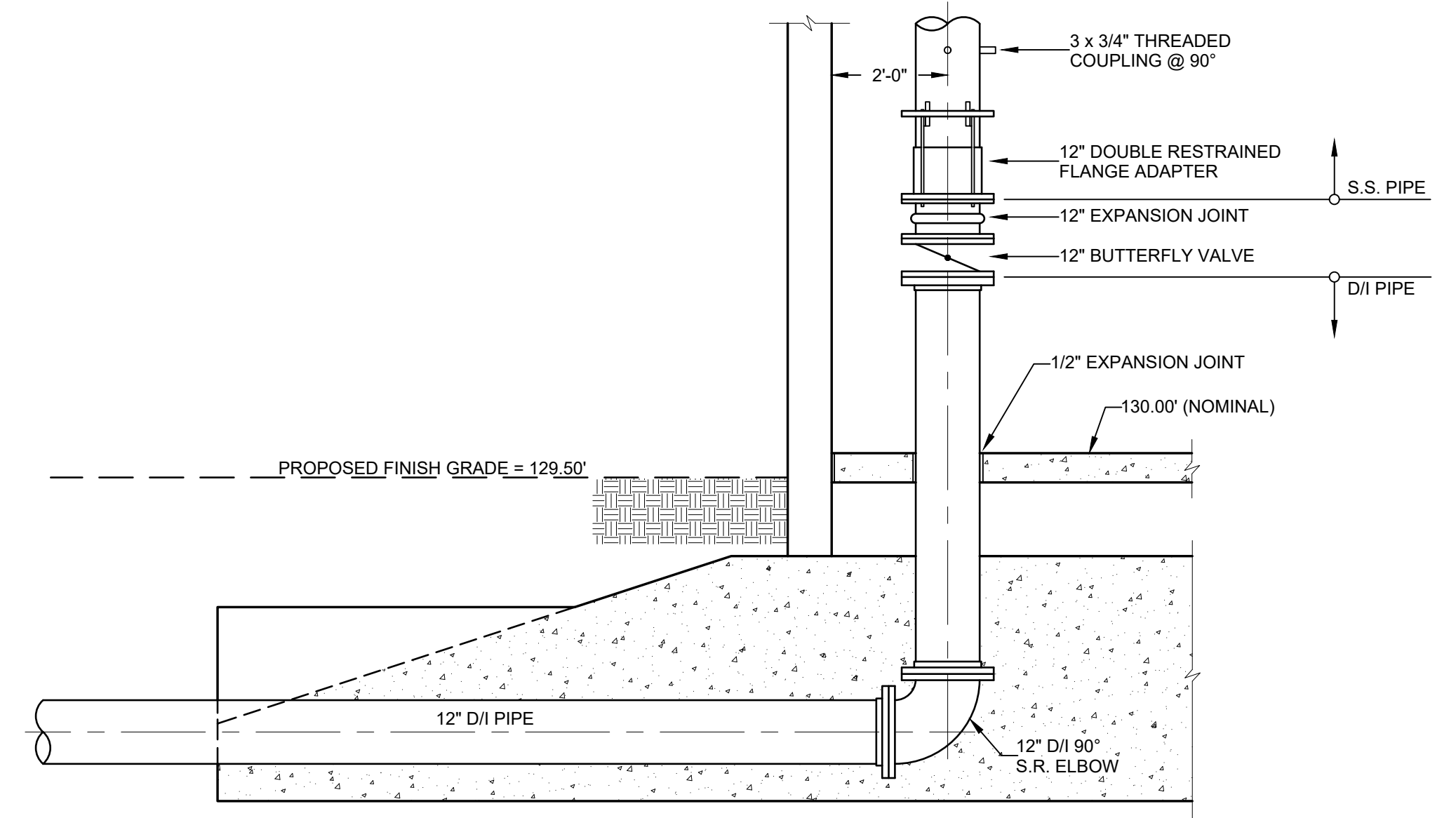
SUITABLE SCREENED VENT SHALL BE PROVIDED ON TOP OF THE TANK. VENT SHALL BE SIZED TO SAFELY VENT TANK DURING PUMPING OR WITHDRAWAL PERIODS. SCREEN MATERIAL SHALL BE COPPER INSECT SCREEN OR APPROVED EQUAL.



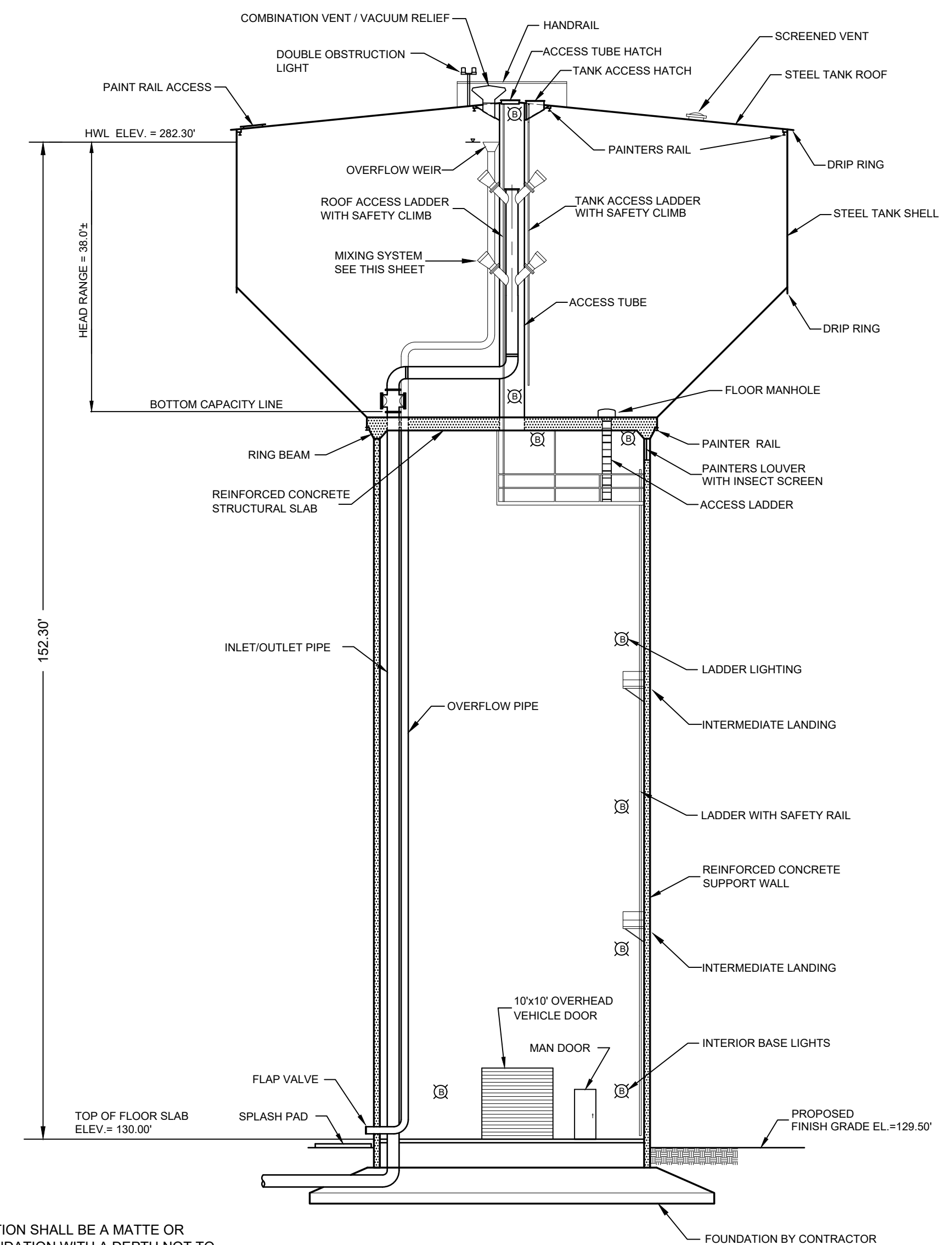
Overflow Inlet
NTS



8" Overflow Outlet
NTS



12" Inlet/Outlet Detail
NTS



Composite Tank Elevation
NTS

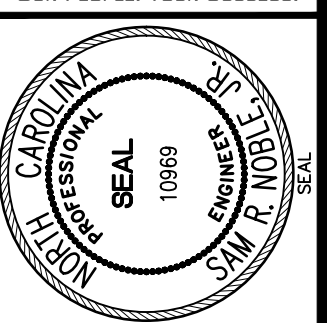
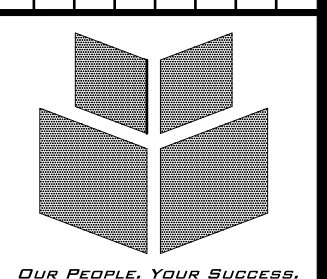
NOTE: FOUNDATION SHALL BE A MATTE OR RINGWALL FOUNDATION WITH A DEPTH NOT TO EXCEED 10 FEET BELOW FINISHED GRADE OR PILING SHALL BE INSTALLED TO A DEPTH OF NOT MORE THAN 65 FEET.

- NOTES:
1. TANK CONTRACTOR TO MOUNT DOUBLE OBSTRUCTION LIGHTS ON TOP OF TANK. SEE SPECIFICATIONS FOR DETAILS.
 2. TANK CONTRACTOR SHALL INSTALL CONDUIT, LIGHTS & ELECTRICAL SERVICE PER SPECIFICATIONS & SPECIAL PROVISIONS.
 3. ALL CHLORINATED WATER USED FOR ELEVATED TANK DISINFECTION SHALL BE DISCHARGED TO WASTE, AS DIRECTED BY THE ENGINEER, PRIOR TO REFILLING THE ELEVATED TANK FOR BACTERIOLOGICAL TESTING.
 4. LADDERS SHALL BE PROVIDED AS REQUIRED BY SPECIFICATIONS.

<input type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary Plat - Not for recordation, conveyances, or sales
<input type="checkbox"/>	Final Drawing - Not released for construction
<input type="checkbox"/>	Final Drawing - For Review Purposes Only
<input type="checkbox"/>	Final Drawing - Released For Construction

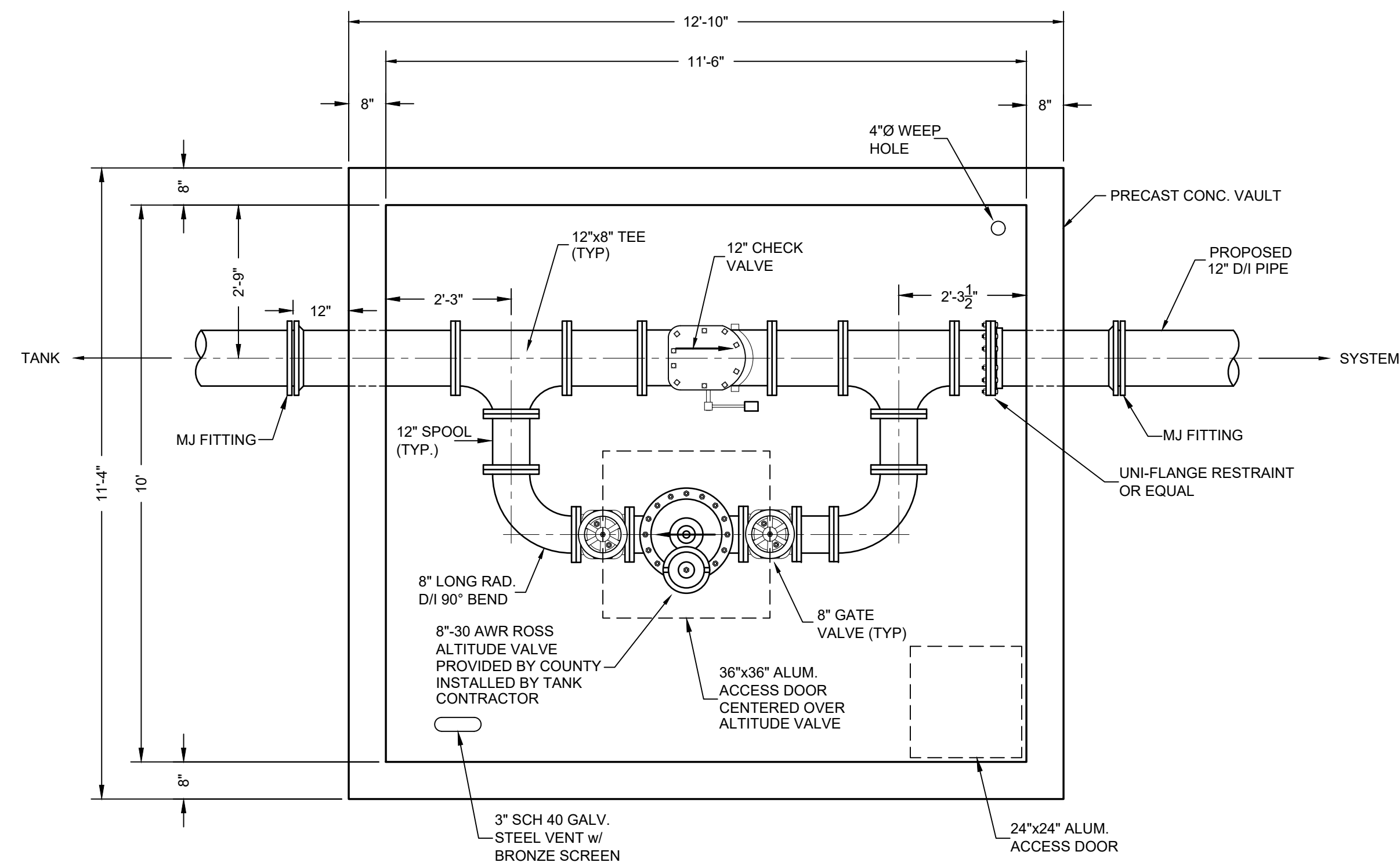
REVISIONS

DESIGNED BY: SRN
DRAWN BY: GIB
CHECKED BY: SRN
DATE: JAN. 2023
SCALE: NONE
FILE BOOK: --
FILE NO.: Tank Details
PROJECT NO.: --

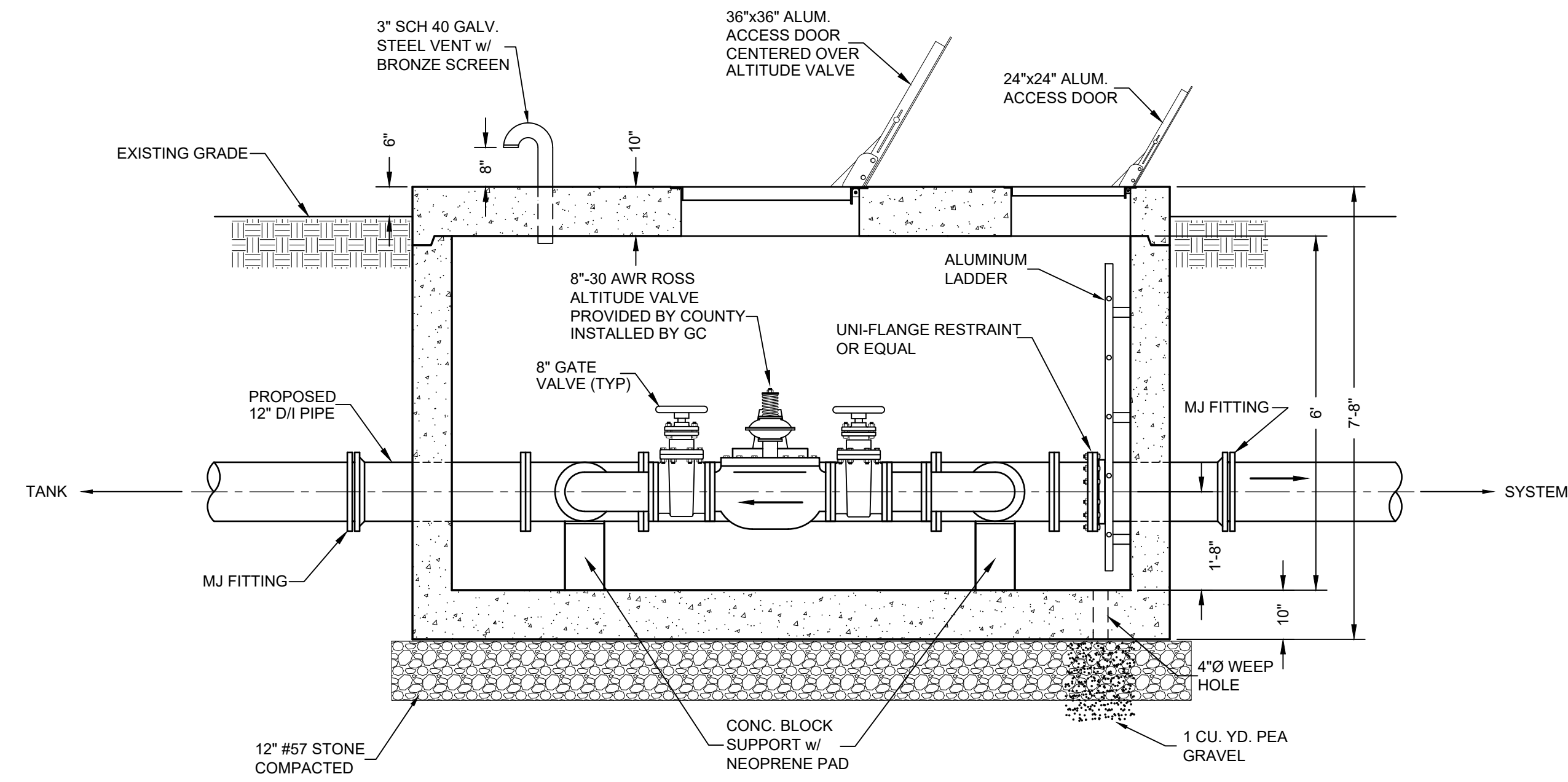


WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS
 208 EAST 5th STREET • LUMBERTON, N.C. 28358 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • EMAIL: KNEngineering@att.net

ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK - TANK ELEVATION AND DETAILS



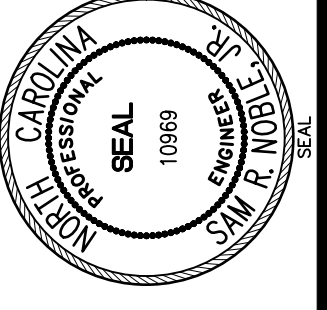
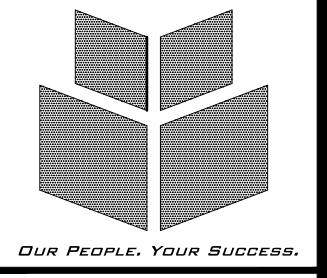
Plan View
1/2" = 1'-0"



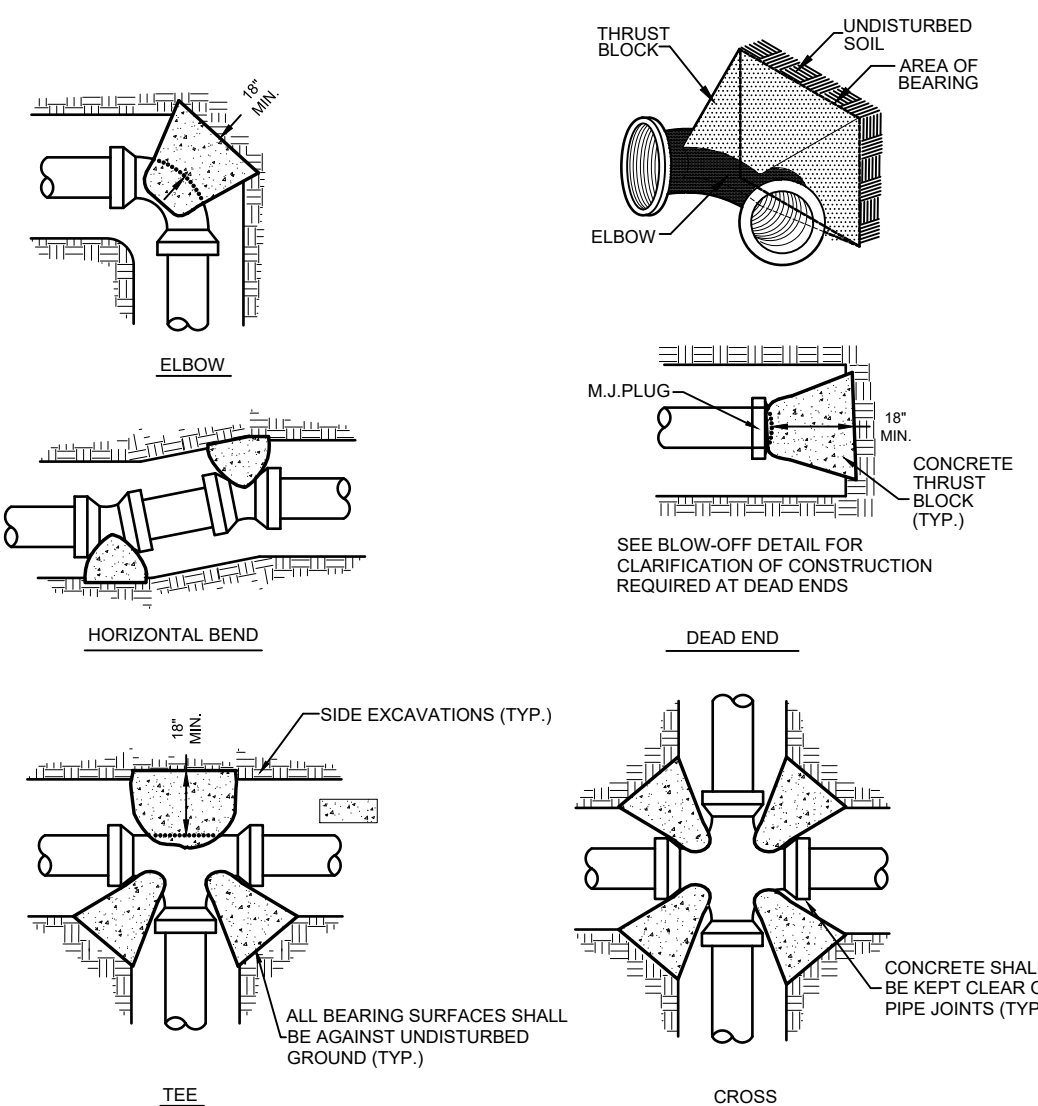
Profile View
1/2" = 1'-0"

<input checked="" type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary Plat - Not for recordation, conveyances, or sales
<input type="checkbox"/>	Final Drawing - Not released for construction
<input type="checkbox"/>	Final Drawing - For Review Purposes Only
<input type="checkbox"/>	Final Drawing - Released For Construction

DESIGNED BY: SRN
DRAWN BY: CBB
CHECKED BY: SRN
DATE: JAN. 2023
SCALE: 1/2" = 1'-0"
FIELD BOOK: -
FILE NO: ALTITUDE Valve
PROJECT NO: -



WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS
 208 EAST 5th STREET • LUMBERTON, N.C. 28358 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • EMAIL: KNEngineering@atl.net
ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK - ALTITUDE VALVE AND VAULT

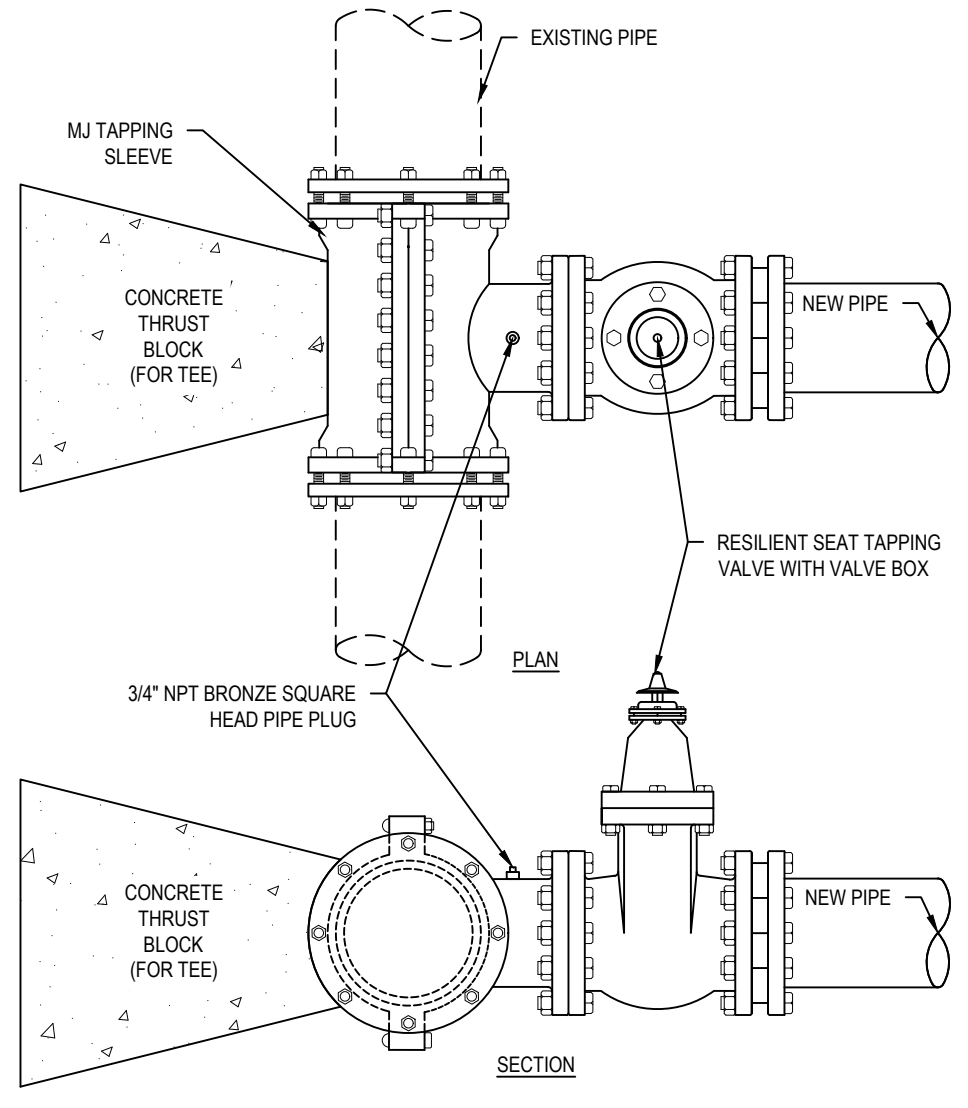


- NOTES:**
- THRUST BLOCKS SHALL BE INSTALLED ON PVC WATER DISTRIBUTION LINES 6" THRU 12" DIA. IN THE MANNER SHOWN.
 - PIPE GREATER THAN 12 INCH DIAMETER SHALL REQUIRE RESTRAINT JOINT PIPE FOR THE PROPER LENGTH.
 - SAC-CRETE SHALL NOT BE ALLOWED.
 - NO CONCRETE SHALL BE PLACED ON BOLTS. WRAP JOINT FITTINGS WITH PLASTIC.
 - CONCRETE SHALL BE A MINIMUM 3,000 PSI.
 - ALL BEARING SURFACES SHALL BE AGAINST UNDISTURBED SOIL.

CONCRETE THRUST BLOCK DETAIL
NTS

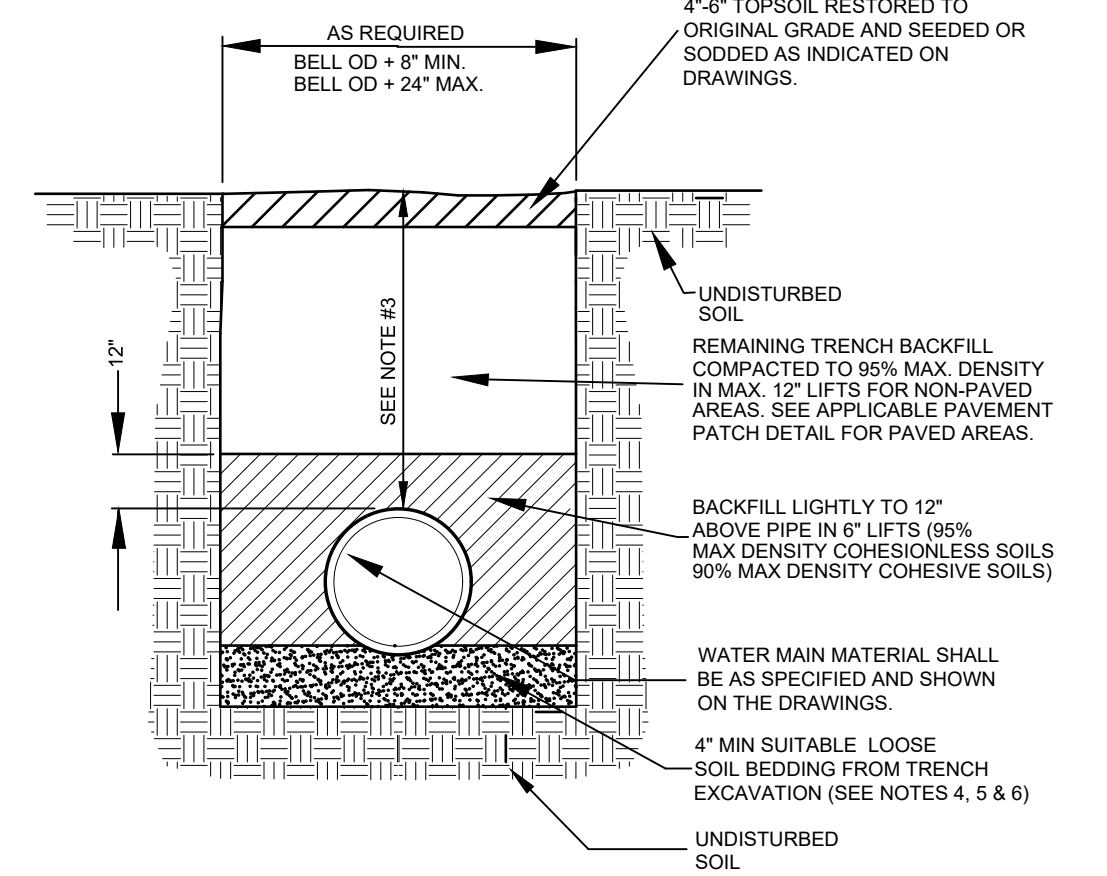
FITTING SIZE (IN.)	THRUST BLOCKING SCHEDULE				
	11 1/4"	22 1/2"	48"	90"	FLUG
2			0.23 (0.11)	0.38 (0.11)	0.30 (0.11)
4			0.83 (0.18)	1.35 (0.18)	0.98 (0.18)
6	0.40 (0.01)	0.80 (0.02)	1.73 (0.20)	3.00 (0.33)	2.17 (0.25)
8	0.80 (0.02)	1.50 (0.04)	3.08 (0.34)	5.40 (0.60)	3.83 (0.42)
10	1.20 (0.03)	2.30 (0.07)	4.72 (0.52)	8.40 (0.94)	5.92 (0.66)
12	1.70 (0.05)	3.30 (0.12)	6.82 (0.75)	12.00 (1.33)	8.48 (0.94)
16	3.00 (0.33)	5.90 (0.65)	11.60 (0.86)	21.30 (1.57)	15.00 (0.97)
20	4.60 (0.52)	9.20 (0.76)	18.00 (1.32)	33.30 (3.60)	23.30 (1.87)
24	6.70 (0.75)	13.20 (0.97)	26.00 (2.28)	48.00 (5.29)	33.60 (3.24)
30	10.40 (0.77)	20.70 (1.80)	40.60 (4.45)	75.00 (10.30)	52.50 (8.32)
36	15.00 (1.26)	29.80 (3.11)	58.40 (7.67)	108.0 (17.90)	75.60 (10.90)

NOTE: Values given are based on 150 psi water pressure and 2000 blif soil bearing capacity. Soils with less bearing capacity such as muck, peat or soft clay will require greater blocking areas and volumes.
The thrust blocking shown above is based on the use of mechanical joint as shown on plans.



- NOTES:**
- SLEEVE BODY SHALL BE DUCTILE IRON ASTM A536.
 - THE MATING FLANGE TO THE TAPPING SLEEVE MUST HAVE A RAISED MATE FACE TO PROVIDE FOR PROPER ALIGNMENT OF THE VALVE & TAPPING SLEEVE.
 - THE SLEEVE SHALL INCLUDE A FULL CIRCUMFERENTIAL GASKET PROVIDING A 360° SEAL AROUND EXISTING PIPE.
 - ALL VALVES SHALL HAVE 2" SQUARE OPERATING NUT & SHALL OPEN COUNTERCLOCKWISE.
 - VALVE BODY, BONNET, & GATE SHALL BE IN ACCORDANCE WITH AWWA C515 AND NSF 61.
 - VALVE BODY & BONNET SHALL BE COATED ON ALL INTERIOR & EXTERIOR SURFACES WITH A FUSION BONDED EPOXY IN ACCORDANCE WITH AWWA C550.
 - ALL VALVES 24" & SMALLER SHALL HAVE A SAFE WORKING PRESSURE OF 250 PSI.
 - PIPE SURFACES SHALL BE CLEANED THOROUGHLY TO PERMIT FOR A GOOD SEAL PRIOR TO INSTALLATION.
 - EXTERIOR OF TAPPING SLEEVE SHALL BE COATED WITH 2 COATS OF ASPHALTIC VARNISH MIL-C450.
 - EDGE OF SLEEVE SHALL BE LOCATED A MINIMUM OF 5' FROM THE NEAREST JOINT.

Tapping Sleeve & Valve
NTS

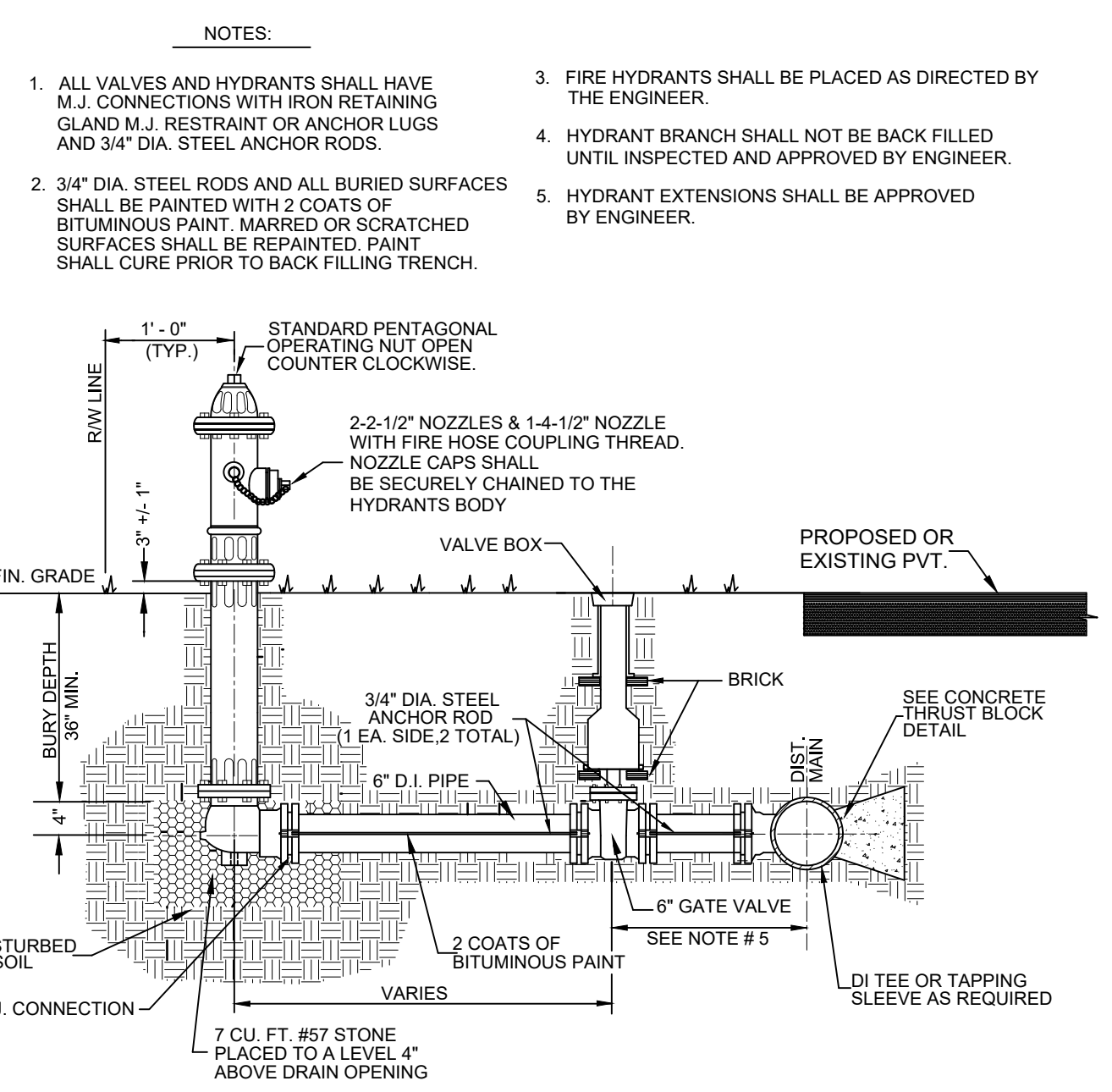


- NOTES:**
- ALL EXCAVATIONS SHALL COMPLY WITH THE TERMS AND CONDITIONS OF THE CONSTRUCTION STANDARDS FOR EXCAVATIONS IN OSHA SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, CHAPTER XV11 OF TITLE 29, CFR, PART 1926. THE CONTRACTOR SHALL HAVE A COMPETENT PERSON ON SITE AT ALL TIMES DURING EXCAVATION AND BACKFILLING.
 - CONTRACTOR SHALL USE TRENCH BOX SHORING IN ALL OPEN CUTS IN PAVED AREAS. TRENCH WIDTH SHALL BE MAINTAINED AT THE MINIMUM PRACTICAL WIDTH.
 - SEE PLANS FOR MINIMUM COVER.
 - LOOSE SOIL OR SELECT MATERIAL IS DEFINED AS "NATIVE" SOIL EXCAVATED FROM THE TRENCH, FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH.
 - BEDDING MATERIAL SHALL EXTEND TO UNDISTURBED TRENCH WALLS AND TRENCH BOTTOM. BEDDING MATERIAL WILL NOT BE PAID FOR UNLESS SPECIFICALLY APPROVED BY THE PROJECT REPRESENTATIVE AND ONLY FOR THE AUTHORIZED QUANTITY.
 - WHERE NATIVE SOIL IS DETERMINED TO BE ADEQUATE BY THE ENGINEER, NO EXCAVATION BELOW THE BOTTOM OF PIPE IS REQUIRED.
 - BEDDING MATERIAL SHALL BE PROPERLY RODDED AND COMPACTED AROUND THE PIPE HAUNCHES.
 - TEST FOR DENSITY OF COMPACTION MAY BE MADE AT THE OPTION OF THE ENGINEER AND DEFICIENCIES SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE ENGINEER MAY HAVE COMPACTION TEST PERFORMED AFTER THE BACKFILL IS COMPLETE. CONTRACTOR SHALL BE REQUIRED TO EXCAVATE TO VARIOUS ELEVATIONS FOR DENSITY TESTING EXCAVATION, BACKFILL AND RECOMPACTION SHALL BE PERFORMED AT NO ADDITIONAL COSTS TO THE OWNER.

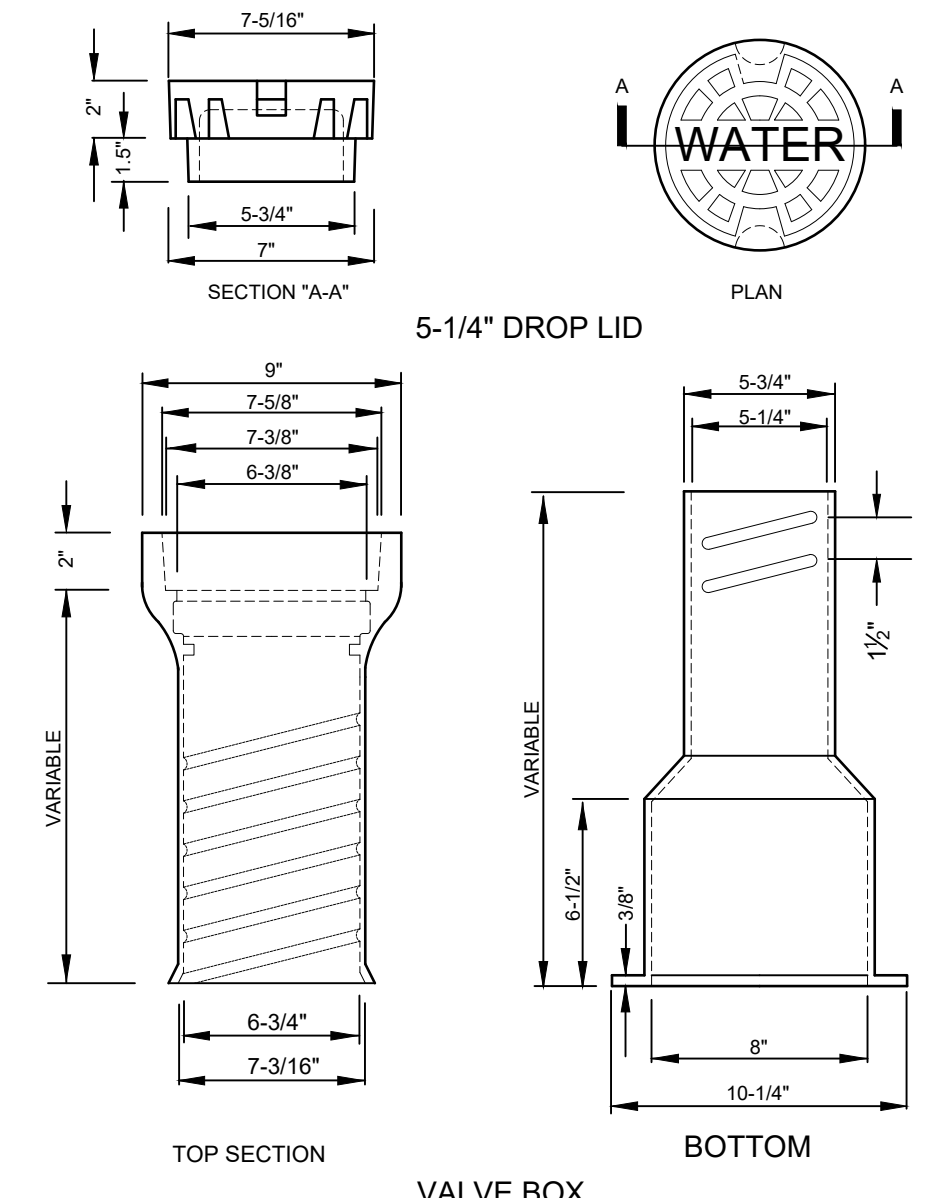
WATER MAIN BEDDING DETAIL
NTS

GENERAL NOTES:

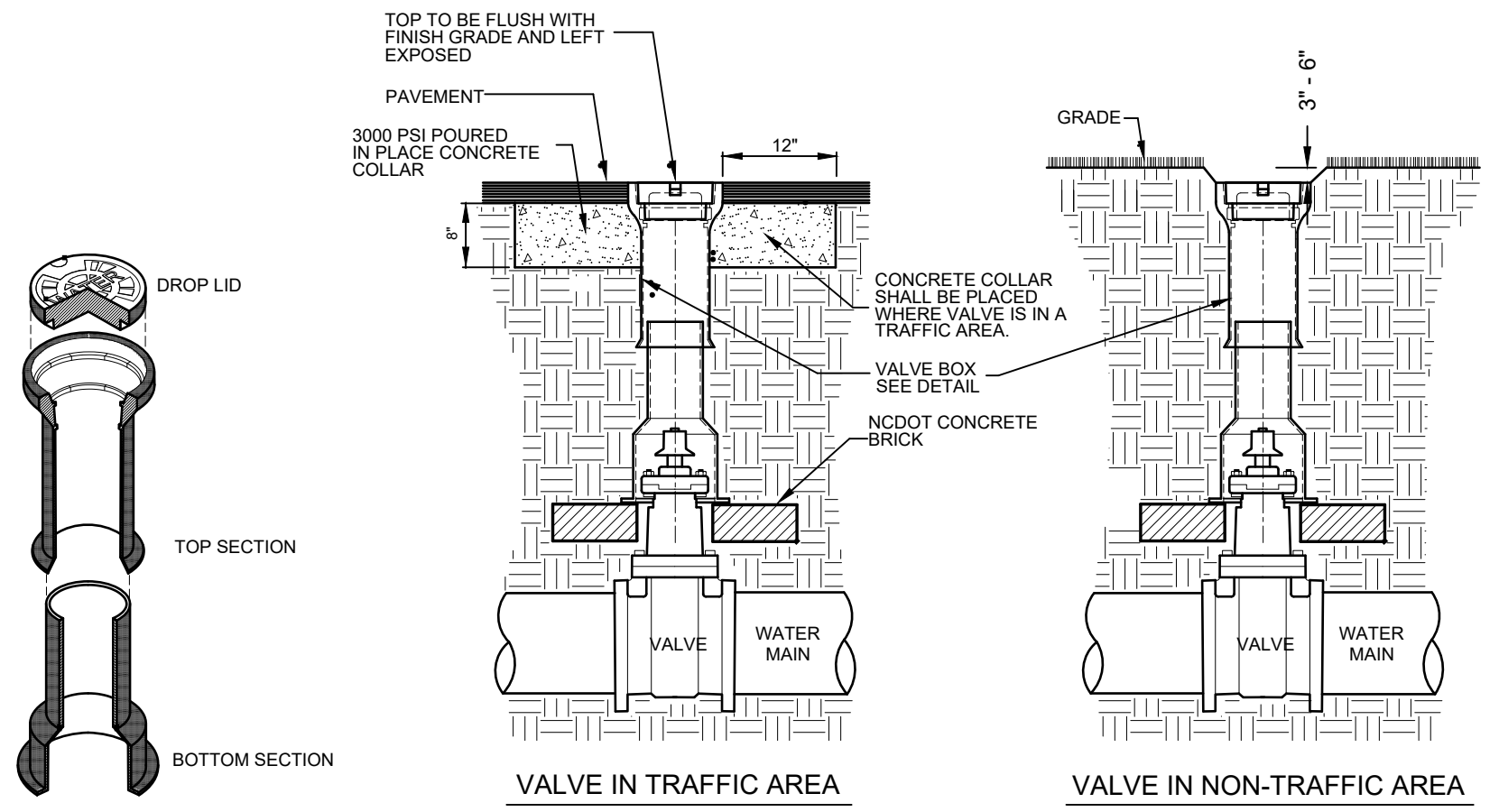
- THE CONTRACTOR SHALL HAVE A COMPLETE SET OF CONTRACT DOCUMENTS AS WELL AS ALL PERMIT APPROVALS AND EASEMENTS ON THE JOB SITE AT ALL TIMES.
- ALL SHOP DRAWINGS MUST BE REVIEWED AND APPROVED BY ENGINEER BEFORE EQUIPMENT IS ORDERED.
- CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL UNDERGROUND UTILITIES. KNOWN EXISTING UTILITIES HAVE BEEN LOCATED FROM THE INFORMATION AVAILABLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCURATELY LOCATE BOTH HORIZONTALLY AND VERTICALLY ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE NC ONE CALL CENTER AT 800.632.4949. ALL COSTS ASSOCIATED WITH ANY DAMAGE TO KNOWN OR UNKNOWN EXISTING UTILITIES RESULTING FROM THE CONTRACTOR'S FAILURE TO ADEQUATELY PROTECT THE EXISTING UTILITIES DURING CONSTRUCTION SHALL BE BORNE SOLELY BY THE CONTRACTOR.
- CONTRACTOR SHALL MAKE EVERY EFFORT TO SAVE PROPERTY IRONS, MONUMENTS, OTHER PERMANENT POINTS AND LINES OF REFERENCE AND CONSTRUCTION STAKES. A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE SHALL REPLACE PROPERTY IRONS, MONUMENTS, AND OTHER PERMANENT POINTS OF REFERENCE DESTROYED BY THE CONTRACTOR.
- CONTRACTOR SHALL CLEAR AND GRUB ALL UTILITY EASEMENTS, AS DIRECTED BY THE OWNER, TO INSTALL NEW UTILITIES. ON ROADWAY RIGHT-OF-WAYS, THE CONTRACTOR SHALL ONLY REMOVE THE TREES MARKED ON THE PLANS AND SHALL MAKE EVERY EFFORT DURING CONSTRUCTION TO PROTECT THE TREES THAT WILL NOT BE REMOVED.
- THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN ALL NECESSARY EROSION CONTROL MEASURES WHETHER OR NOT SHOWN ON THE PLANS TO PROTECT ADJACENT CREEKS, RIVERS, ROADWAYS, ETC. FROM SILTATION AND EROSION.
- THE CONTRACTOR SHALL SUPPORT ALL UTILITY POLES AS NECESSARY. THE CONTRACTOR SHALL COORDINATE UTILITY POLE SUPPORT WITH THE APPROPRIATE UTILITY COMPANIES.
- CONTRACTOR SHALL RESTORE/REPLACE ALL SIGNS, MAILBOXES, ETC. ENCOUNTERED DURING CONSTRUCTION TO ORIGINAL CONDITION.
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO THE EXISTING GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- ALL DRIVEWAYS SHALL BE REPAIRED AS SOON AS CONSTRUCTION HAS PASSED. A MINIMUM OF 6" OF CABC SHALL BE USED FOR TEMPORARY REPAIR ON ASPHALT AND CONCRETE DRIVEWAYS UNTIL PERMANENT REPAIR CAN BE COMPLETED AND A MINIMUM OF 6" OF CABC SHALL BE USED AS PERMANENT REPAIR ON GRAVEL DRIVEWAYS.
- CONTRACTOR SHALL REPLACE WITH NEW ALL DRIVEWAY PIPES AND OTHER DRAINAGE PIPES/CULVERTS THAT ARE DISTURBED WHILE INSTALLING THE UTILITIES. ALL PIPE/CULVERTS SHALL MEET THE REQUIREMENTS OF NCDOT.
- ALL ROADWAY DITCHES DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION OR BETTER AND CONFORM TO NCDOT REQUIREMENTS. ALL DITCHES SHALL BE LINED WITH EROSION CONTROL MATTING UNLESS OTHERWISE NOTED.
- ALL EXCAVATED MATERIAL SHALL BE PLACED WITHIN THE LIMITS OF DISTURBANCE DURING UTILITY INSTALLATION. THE CONTRACTOR SHALL PROVIDE THE NECESSARY SEDIMENT AND EROSION CONTROL MEASURES TO CONTROL RUN-OFF. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED OF LEGALLY.
- HORIZONTAL DATUM IS NAD 83.
- VERTICAL DATUM IS NAVD 88.



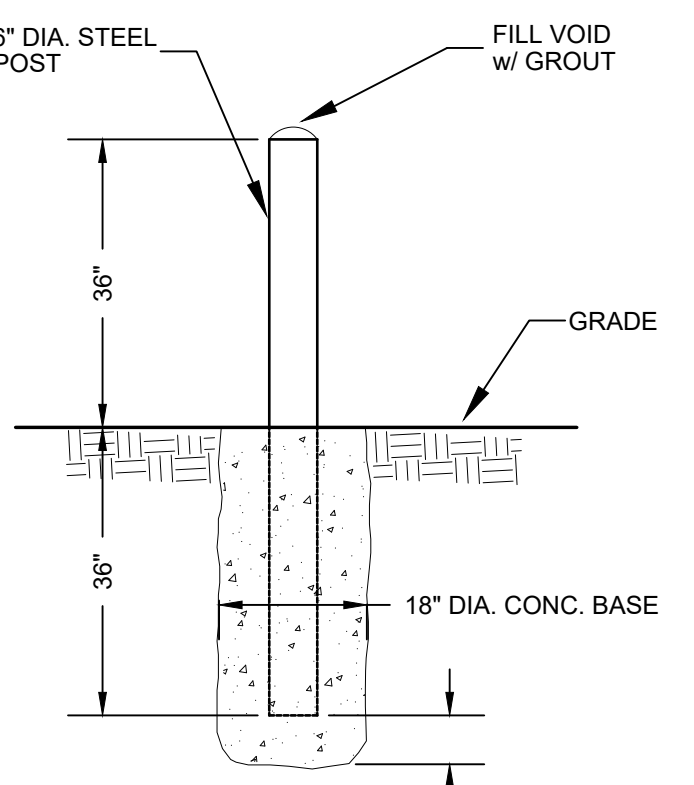
HYDRANT DETAIL
NTS



Valve Box Detail
NTS



Open Cut & Patch Detail
NTS



Bollard Detail
NTS

<input checked="" type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary Plat - Not for recordation, conveyances, or sales
<input type="checkbox"/>	Final Drawing - Not released for construction
<input type="checkbox"/>	Final Drawing - For Review Purposes Only
<input type="checkbox"/>	Final Drawing - Released For Construction

DESIGNED BY: **SN**
 DRAWN BY: **CB**
 CHECKED BY: **SN**
 DATE: **JANUARY 2023**
 SCALE: **NONE**
 FIELD BOOK: **-**
 FILE NO: **D-1**
 PROJECT NO: **-**

WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS
 208 EAST 5th STREET • LUMBERTON, N.C. 28358 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • E-MAIL: KNEngineering@att.net

ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK - DETAILS

SHEET NO. **D-1**
 OF

ATTACHMENT 9:

Farmland Protection

USDA NRCS and NCORR Correspondence
including USDA NRCS Soil Surveys for
Action Area and Subject Property and
TIGERweb Urban Areas Map

Gievers, Andrea

From: Muzzy, Laura - FPAC-NRCS, NC <Laura.Muzzy@usda.gov>
Sent: Thursday, September 28, 2023 1:39 PM
To: Gievers, Andrea
Cc: Jones, Michael - FPAC-NRCS, NC; Davis, Joshua - FPAC-NRCS, NC
Subject: [External] RE: Legend Road Water Tank - FPPA AD 1006 Review
Attachments: Robeson - Legend Rd Water Tank AD-1006_letter.pdf

CAUTION: External email. Do not click links or open attachments unless verified. Report suspicious emails with the Report Message button located on your Outlook menu bar on the Home tab.

Hi, Andrea!

I apologize for letting this fall through the cracks !

You are correct - it is not subject to the Farmland Protection Policy Act because the project site is already developed. The attached letter from NRCS are for your records.

Let me know if there are any questions!

Have a lovely day.

best,

Laurie F. Muzzy (*she/her*)

Resource Soil Scientist | USDA-Natural Resources Conservation Service

mobile: (919) 737-3640

office: (919) 873-2158

4407 Bland Road, suite #285

Raleigh, NC 27609

From: Gievers, Andrea <andrea.l.gievers@rebuild.nc.gov>
Sent: Thursday, September 28, 2023 1:01 PM
To: Muzzy, Laura - FPAC-NRCS, NC <Laura.Muzzy@usda.gov>
Subject: RE: Legend Road Water Tank - AD 1006 Review

Hi Laurie:

Hope all is well. Just checking in on the Legend Road Water Tank project. The proposed project development area that is fenced-in currently contains the existing well, aeration basin, high service pumps, equalization basin, generator, and water treatment plant. An 8-inch to 12-inch PVC water main and associated valves will be installed in the paved parking area and gravel driveway/unnamed road running east-west to Legend Road between the fenced-in proposed tank and existing treatment facility and the Public Utilities buildings and Robeson County Ambulance Service/ EMS. All soils in the proposed project development area have been previously disturbed. Let me know if you have any questions. Thanks!

Sincerely,

Andrea Gievers

From: Gievers, Andrea
Sent: Tuesday, September 12, 2023 11:21 AM
To: Muzzy, Laura - FPAC-NRCS, RALEIGH, NC <Laura.Muzzy@usda.gov>
Subject: Legend Road Water Tank - AD 1006 Review

Hi Laura:

I hope all is well. This project likely falls under an exception but figured it is easier to provide you with all of the project information to make a decision. Please let me know if you have any questions. Thank you so much!

Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM
Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700

Email correspondence to and from this address may be subject to the North Carolina Public Records Law and may be disclosed to third parties by an authorized state official.

This electronic message contains information generated by the USDA solely for the intended recipients. Any unauthorized interception of this message or the use or disclosure of the information it contains may violate the law and subject the violator to civil or criminal penalties. If you believe you have received this message in error, please notify the sender and delete the email immediately.



Natural Resources
Conservation Service

North Carolina
State Office

4407 Bland Rd.
Suite 117
Raleigh, NC 27609
Voice (919) 873-2158
Fax (844) 325-6833

September 28, 2023

Andrea Gievers, JD, MSEL, ERM, Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700

Dear Andrea Gievers,

The following information is in response to your request soliciting comments regarding the Lumberton Legend Road Water Tank Project in Robeson County, NC.

Projects are subject to Farmland Protection Policy Act (FPPA) requirements if they may irreversibly convert farmland (directly or indirectly) to nonagricultural use and are completed by a Federal agency or with assistance from a Federal agency.

For the purpose of FPPA, farmland includes prime farmland, unique farmland, and land of statewide or local importance. Farmland subject to FPPA requirements does not have to be currently used for cropland. It can be forest land, pastureland, cropland, or other land, but not water or urban built-up land. Farmland means prime or unique farmlands as defined in section 1540(c)(1) of the Act or farmland that is determined by the appropriate state or unit of local government agency or agencies with concurrence of the Secretary to be farmland of statewide or local importance.

"Farmland" does not include land already in or committed to urban development or water storage. Farmland already in urban development or water storage includes all such land with a density of 30 structures per 40-acre area. Farmland already in urban development also includes lands identified as urbanized area (UA) on the Census Bureau Map, or as urban area mapped with a "tint overprint" on the USGS topographical maps, or as "urban-built-up" on the USDA Important Farmland Maps.

The area in question **is not** subject to FPPA regulation, since the project as proposed is located in an area that is already developed. There is no need to continue the AD-1006 form according to the Code of Federal Regulation 7CFR 658, Farmland Protection Policy Act. The project site in question is exempt from the FPPA regulations.

If you have any questions, please feel free to email me at Laura.Muzzy@usda.gov.

Sincerely,

Laurie F. Muzzy

Laurie F. Muzzy
Resource Soil Scientist

cc:

Michael Jones, state soil scientist, NRCS, Raleigh, NC
Joshua Davis, supervisory soil conservationist, NRCS, Robeson County, NC

FARMLAND CONVERSION IMPACT RATING

PART I (To be completed by Federal Agency)		Date Of Land Evaluation Request			
Name of Project		Federal Agency Involved			
Proposed Land Use		County and State			
PART II (To be completed by NRCS)		Date Request Received By NRCS		Person Completing Form:	
Does the site contain Prime, Unique, Statewide or Local Important Farmland? <i>(If no, the FPPA does not apply - do not complete additional parts of this form)</i>		YES <input type="checkbox"/>	NO <input type="checkbox"/>	Acres Irrigated	Average Farm Size
Major Crop(s)	Farmable Land In Govt. Jurisdiction Acres: %	Amount of Farmland As Defined in FPPA Acres: %			
Name of Land Evaluation System Used	Name of State or Local Site Assessment System	Date Land Evaluation Returned by NRCS			
PART III (To be completed by Federal Agency)		Alternative Site Rating			
		Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly					
B. Total Acres To Be Converted Indirectly					
C. Total Acres In Site					
PART IV (To be completed by NRCS) Land Evaluation Information					
A. Total Acres Prime And Unique Farmland					
B. Total Acres Statewide Important or Local Important Farmland					
C. Percentage Of Farmland in County Or Local Govt. Unit To Be Converted					
D. Percentage Of Farmland in Govt. Jurisdiction With Same Or Higher Relative Value					
PART V (To be completed by NRCS) Land Evaluation Criterion Relative Value of Farmland To Be Converted (Scale of 0 to 100 Points)					
PART VI (To be completed by Federal Agency) Site Assessment Criteria <i>(Criteria are explained in 7 CFR 658.5 b. For Corridor project use form NRCS-CPA-106)</i>		Maximum Points	Site A	Site B	Site C
1. Area In Non-urban Use		(15)			
2. Perimeter In Non-urban Use		(10)			
3. Percent Of Site Being Farmed		(20)			
4. Protection Provided By State and Local Government		(20)			
5. Distance From Urban Built-up Area		(15)			
6. Distance To Urban Support Services		(15)			
7. Size Of Present Farm Unit Compared To Average		(10)			
8. Creation Of Non-farmable Farmland		(10)			
9. Availability Of Farm Support Services		(5)			
10. On-Farm Investments		(20)			
11. Effects Of Conversion On Farm Support Services		(10)			
12. Compatibility With Existing Agricultural Use		(10)			
TOTAL SITE ASSESSMENT POINTS		160			
PART VII (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)		100			
Total Site Assessment (From Part VI above or local site assessment)		160			
TOTAL POINTS (Total of above 2 lines)		260			
Site Selected:	Date Of Selection	Was A Local Site Assessment Used? YES <input type="checkbox"/> NO <input type="checkbox"/>			
Reason For Selection:					
Name of Federal agency representative completing this form:					Date:

(See Instructions on reverse side)



North Carolina Department of Public Safety

Office of Recovery and Resiliency

Roy Cooper, Governor
Eddie M. Buffaloe, Jr., Secretary

Laura H. Hogshead, Director

September 12, 2023

Ms. Laurie F. Muzzy
Resource Soil Scientist
USDA-Natural Resources Conservation Service
407 Bland Road, suite #285
Raleigh, NC 27609

Sent via email to: laura.muzzy@usda.gov

RE: USDA NRCS Review
Legend Road Water Tank
176 Legend Road
Lumberton, NC 28358

Dear Ms. Muzzy:

In accordance with the Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541 and 7 CFR Part 658, we are providing information for your review regarding the above-referenced project. The North Carolina Office of Recovery and Resiliency (NCORR), as a recipient of Community Development Block Grant – Mitigation (CDBG-MIT) funds from the United States Department of Housing and Urban Development (HUD), is serving as the responsible entity for compliance with the HUD environmental review procedures set forth in 24 CFR Part 58. NCORR is acting on behalf of HUD in providing the enclosed project information and request for consultation.

Proposed Project Location: The Subject Property is located at 176 Legend Road, Lumberton, Robeson County, NC 28358 (**Attachment 1**). According to the Robeson County Tax Map, the County-owned Parcel ID is 02090100501 and consists of 60.96 acres (**Attachment 1**). The elevated water storage tank, altitude valve vault and water main will be constructed on a previously-cleared, fenced-in portion of this large County parcel situated east of the Methodist Home for Children's parcel and north of several Robeson County public facilities. **The proposed project development area that is fenced-in currently contains the existing well, aeration basin, high service pumps, equalization basin, generator, and water treatment plant.** An 8-

Mailing Address:
Post Office Box 110465
Durham, NC 27709



Phone: (984) 833-5350
www.ncdps.gov
www.rebuild.nc.gov

An Equal Opportunity Employer

inch to 12-inch PVC water main and associated valves will be installed in the paved parking area and gravel driveway/unnamed road running east-west to Legend Road between the fenced-in proposed tank and existing treatment facility and the Public Utilities buildings and Robeson County Ambulance Service/ EMS. All soils in the proposed project development area have been previously disturbed.

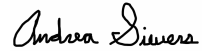
The State of North Carolina was adversely impacted by the landfall of Hurricanes Matthew (October 8, 2016) and Florence (September 14, 2018). During the Hurricane Matthew storm event, water delivery systems throughout Robeson County were adversely impacted by water service interruptions, including to the public facilities located along Legend and Sanchez Roads. During and immediately following the storm event, potable water had to be transported to these facilities, both by truck and through individual bottled servings. The NC DWR's Public Water Supply section requires all water systems to maintain a minimum pressure of 30 psi for normal conditions and 20 psi for fire flow. These numbers are attainable with the proposed project's installation of an elevated water storage tank in the vicinity of the Robeson County Emergency Operations Center, Sheriff's Office and Jail, Emergency Medical Services, Water Department, and Public Utilities buildings to avoid system pressure loss at these County facilities and the adjacent NC Department of Corrections' Lumberton Correctional Institution. It is critical for public health that these facilities have adequate water supply during emergencies and future storm events. This proposed project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events. Therefore, funding for the proposed project will be provided in part by the HUD CDBG-MIT North Carolina Infrastructure Recovery Program for Hurricanes Matthew and Florence storm recovery activities in North Carolina.

Proposed Project Description: This proposed project will utilize CDBG-MIT funding to construct a 500,000-gallon elevated water storage tank, altitude valve vault and associated water mains to prevent future water service interruptions as experienced during Hurricane Matthew. The proposed project includes procurement of architectural/engineering services, soils testing, boundary surveys, and construction of improvements. Construction will involve extensive land clearing and excavation, trenching, placement of concrete foundations, installation of an appropriately-sized elevated water tank and piping, and connections to the existing 12-inch water main on Legend Road and the existing 8-inch water main that ties into Sanchez Road. The foundations shall be a mat or ring wall foundation with a depth not to exceed 10 feet below finish grade or pilings to a depth of not more than 65 feet. Two hundred feet of ductile iron pipe with neoprene gaskets will be installed where the water main passes within 100 feet of an existing underground fuel storage tank. Two 6-inch steel bollards will be installed at the proposed fire hydrant. There is an existing chain link fence and gate around the proposed project development area where the elevated water storage tank and altitude valve vault will be located. The proposed project site plans are included in **Attachment 1**.

To assist with your review, included are the Proposed Project Location Maps, Robeson County Parcel Information, and Site Plans (**Attachment 1**), the USDA AD 1006 Farmland Conversion Impact Rating Form (**Attachment 2**), if applicable, and USDA NRCS Soil Surveys for Action Area and Subject Property, and TIGERweb Urban Areas Map (**Attachment 3**).

NCORR respectfully requests your review of the proposed project described herein. If you have any questions or require additional information regarding this request, please feel free to contact Andrea Gievers at (845) 682-1700 or via email at Andrea.L.Gievers@Rebuild.NC.gov. Thank you for your time and assistance.

Sincerely,



Andrea Gievers, JD, MSEL, ERM
NCORR Environmental Subject Matter Expert

Proposed Project Enclosures:

Attachment 1: Proposed Project Location Maps, Robeson County Parcel Information, and Site Plans

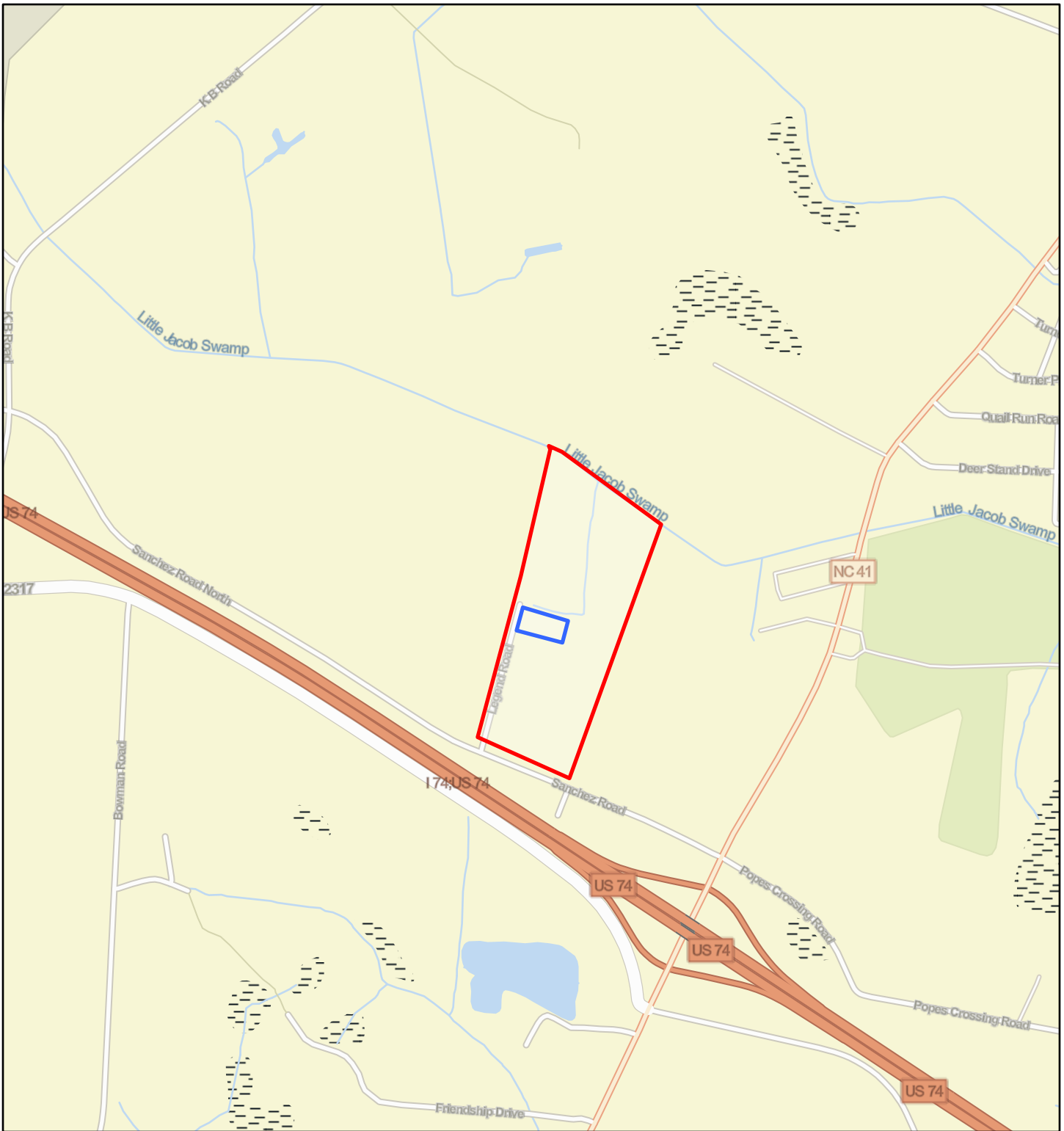
Attachment 2: USDA AD 1006 Farmland Conversion Impact Rating Form

Attachment 3: USDA NRCS Soil Surveys for Action Area and Subject Property, and TIGERweb Urban Areas Map

ATTACHMENT 1:

**Proposed Project Location Maps, Robeson County
Parcel Information, and Site Plans**


Legend Road Water Tank - Street Map

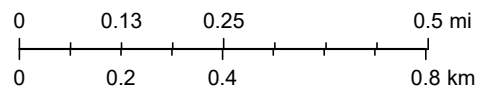


May 10, 2023

1:18,056

 Excluded Parcel

 Legend Road Water Tank



Legend Road Water Tank - Aerial Map

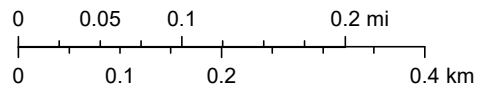


May 10, 2023

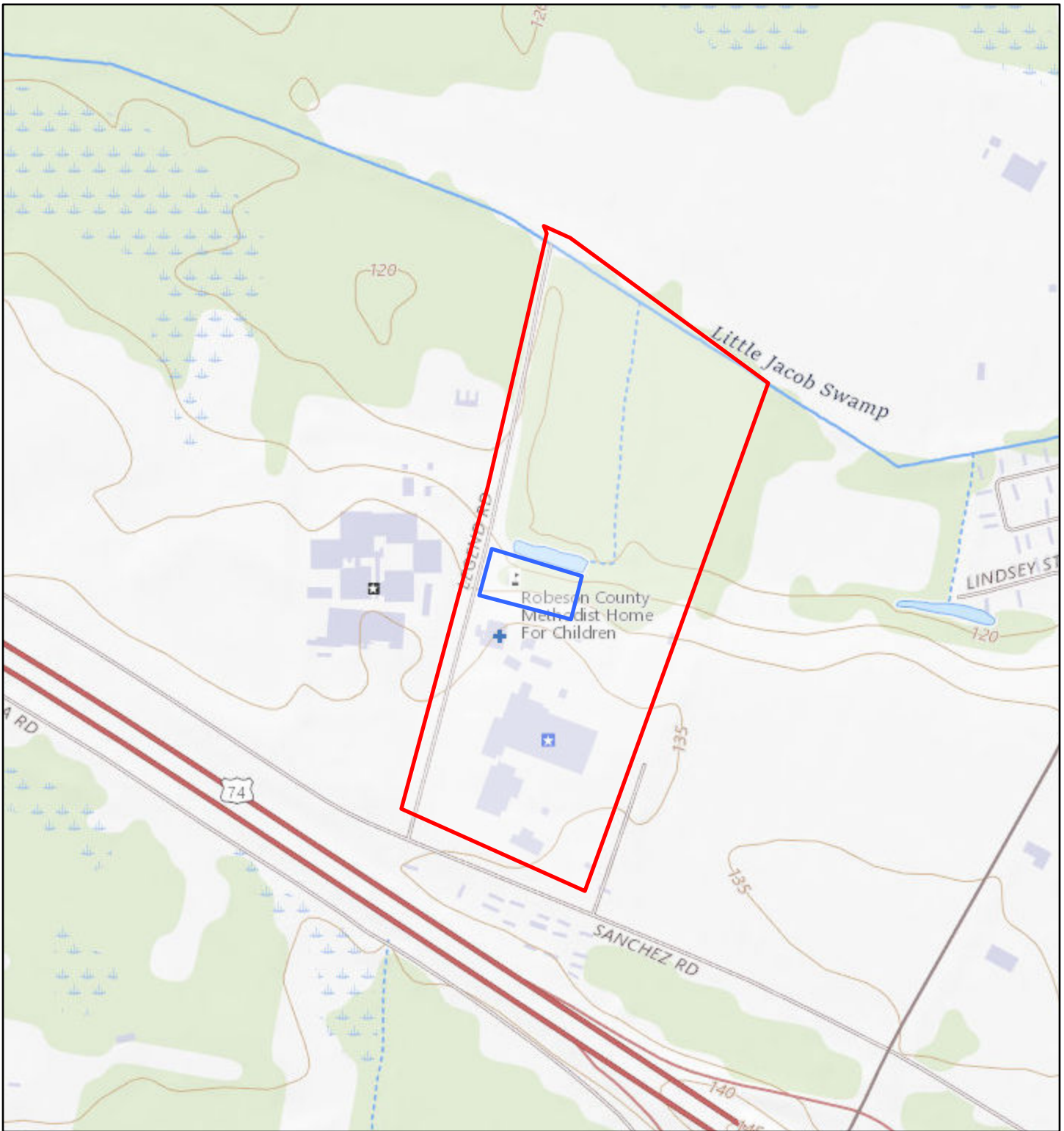
1:9,028

 Excluded Parcel

 Legend Road Water Tank



Legend Road Water Tank - Topo Map

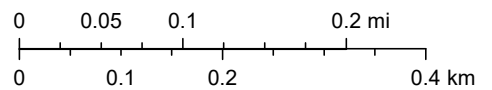


May 10, 2023

1:9,028

 Excluded Parcel

 Legend Road Water Tank





Robeson County Ambulance Service

N.C. Dept of Corrections

Proposed 12' Water Main

Proposed Elevated Tank

R.C. Public Utilities

Existing Well Treatment

R.C. Sheriff's Office

R.C. Jail

Robeson County Emergency Operations

R.C. Water Dept.

1 inch = 200 feet



Legend Road Water Tank – Action Area



Legend Road Water Tank – Google Earth





Robeson County Government

PROPERTY REPORT - PRINT

Property Owner	Owner's Mailing Address	Property Location Address
COUNTY OF ROBESON C/O FINANCE	550 N CHESTNUT ST 4TH FLOOR LUMBERTON , NC 283580000	120 LEGEND RD

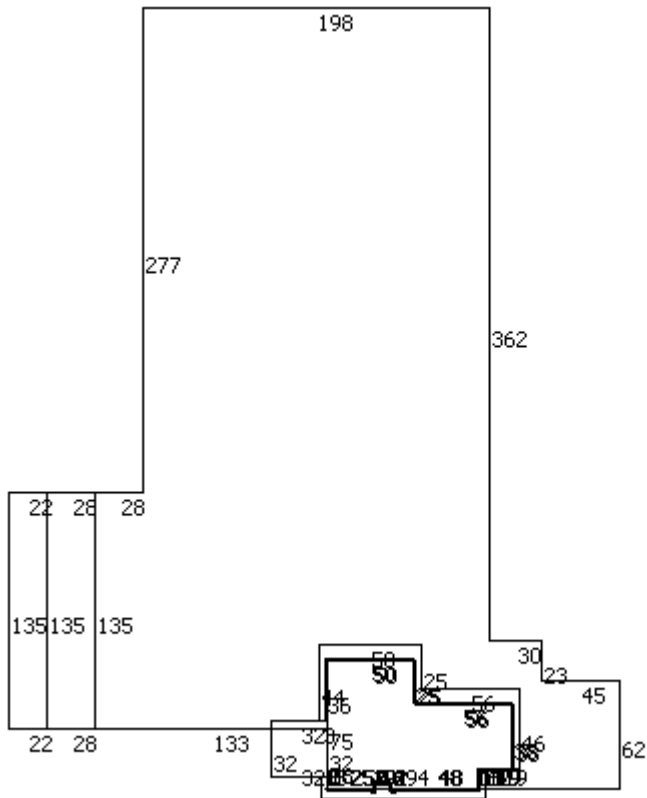
Administrative Data	Administrative Data	Valuation Information
Parcel Ref No. 02090100501 PIN Account No. 46904033 Tax District TOWN LUMBERTON Land Use Code E-12 Land Use Desc COUNTY PROPERTY W/ASSESTS Subdiv Code Subdiv Desc Neighborhood 32C30	Legal Desc AC N/S SR 2316 JAIL SITE Deed Bk/Pg / Plat Bk/Pg / Sales Information Grantor Sold Date 2005-01-01 Sold Amount \$ 0	Market Value \$ 8,421,000 Market Value - Land and all permanent improvements, if any, effective January 1, 2010, date of County's most recent General Reappraisal Assessed Value \$ 8,421,000 If Assessed Value not equal Market Value then subject parcel designated as a special class -agricultural, horticultural, or forestland and thereby eligible for taxation on basis of Present-Use and/or reduction from a formal appeal procedure Land Supplemental Map Acres 60.96 Tax District Note JACOB SWAMP MAINTENANCE Present-Use Info

Improvement Detail	
(1st Major Improvement on Subject Parcel)	
Year Built	1992
Built Use/Style	CORRECTIONAL
Current Use	B /
* Percent Complete	100
Heated Area (S/F)	62,840
** Bathroom(s)	0 Full Bath(s) 0 Half Bath(s)
** Bedroom(s)	0
Fireplace (Y/N)	N
Basement (Y/N)	N
Attached Garage (Y/N)	N
*** Multiple Improvements	005
* Note - As of January 1 ** Note - Bathroom(s), Bedroom(s), shown for description only *** Note - If multiple improvements equal "MLT" then parcel includes additional major improvements	

Improvement Valuation (1st Major Improvement on Subject Parcel)	
* Improvement Market Value \$	** Improvement Assessed Value \$
7,616,200	7,616,200
* Note - Market Value effective Date equal January 1, 2010, date of County's most recent General Reappraisal ** Note - If Assessed Value not equal Market Value then variance resulting from formal appeal procedure	

Land Value Detail (Effective Date January 1, 2010, date of County's most recent General Reappraisal)		
Land Market Value (LMV) \$	Land Present-Use Value (PUV) \$ **	Land Total Assessed Value \$
804,800	804,800	804,800
** Note: If PUV equal LMV then parcel has not qualified for present use program		

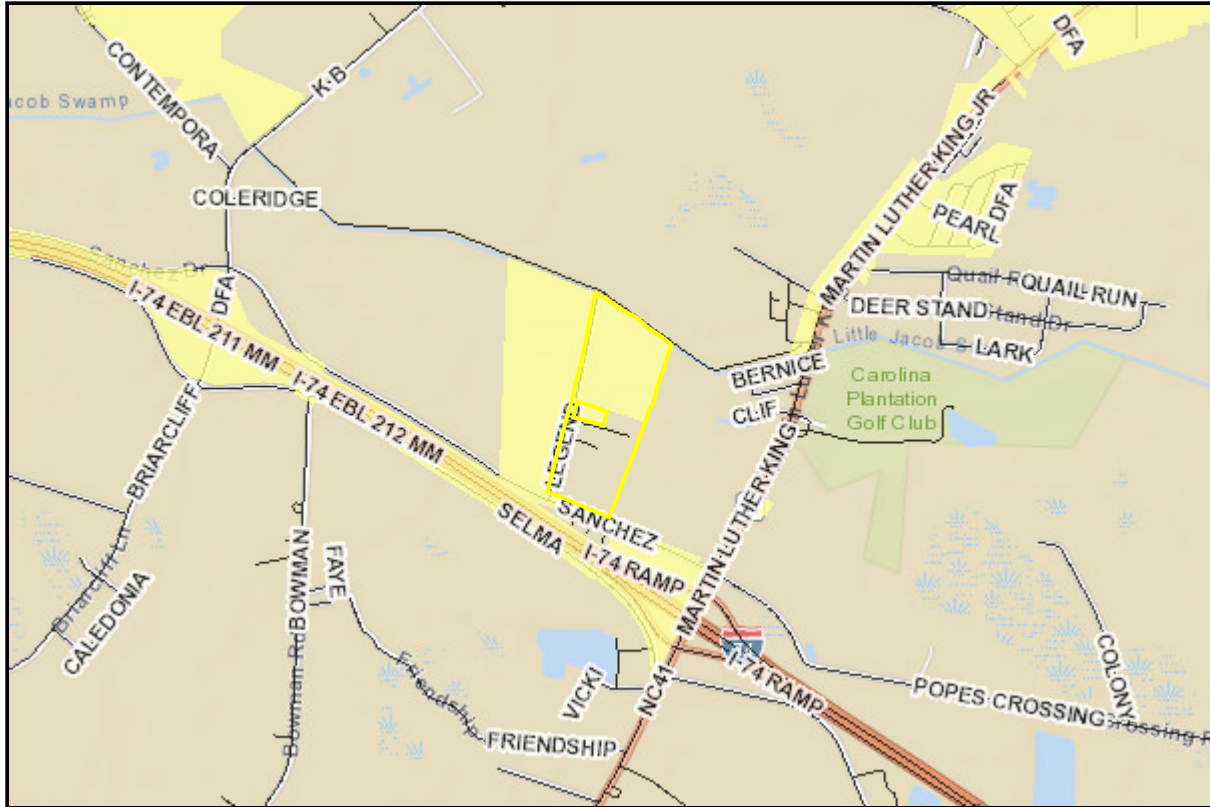
Parcel Sketch:



Parcel Photo:

No Photo Available

County of Robeson, NC



MAPNO	02090100501
PIN_NUMBER	938035514300
PARCELTYPE	Base Parcel
CONFLICTNOTATION	
DEEDEDACRES	60.96
OWNERTYPE	Private
STATUS	null
OLDMAPNO	0209-01-00501A
NUMMOD	null
LOT	null
NBHD_CODE	32C30
TAX_YEAR	2022
PAR_CODE	
MAP	
SUBMAP	
BLOCK	
PARCEL	
SUBPARCEL	
PHYLOCAT	91832
CITYCODE	
ROUTENUM	0
OWNERID	46904033
CUROWNID	46904033

OWNAM1	COUNTY OF ROBESON
OWNAM2	C/O FINANCE
OWNAM3	
OWADR1	550 N CHESTNUT ST
OWADR2	4TH FLOOR
OWADR3	
OWADR4	
OWCITY	LUMBERTON
OWSTATE	NC
OWZIP	283580000
STNUM	120
STSUFFIX	
STDIR	
STNAME	LEGEND
STTYPE	RD
STDIRSUF	
UNITNO	
DEEDACRE	60.96
MAPACRE	60.96
DISTCODE	52
TOWNCODE	2
PARDESC3	J62
PARDESC1	E-12
NBHCLASS	
NBHCODE	32C30
EXEMCODE	E12
DEEDBOOK	null
DEEDPAGE	null
DEEDYEAR	null
PLATBOOK	null
PLATPAGE	null
DATESOLD	null
LEGDESC1	AC N/S SR 2316 JAIL SITE
LEGDESC2	
LEGDESC3	WATER CUST SVC BLDG
PARDESC4	
GROUPPAR	
REQREVIEW	
PHYSTRADR	120 LEGEND RD
SCHCODE	0
AREACODE	1
LNDASVCUR	804800
IMPASVCUR	7616200
QUALCODE	null

RECTYPE	null
SALEAMT	null
SALEINST	null
DEEDSTMP	null

ROBESON COUNTY COUNTY-WIDE WATER SYSTEM

Legend Road 0.500 MG Elevated Tank

KELLIE BLUE, COUNTY MANAGER
SHELTON HILL, ASSISTANT COUNTY MANAGER
JASON KING, ASSISTANT COUNTY MANAGER

COMMISSIONERS

WIXIE STEPHENS - CHAIRMAN
H. T. (TOM) TAYLOR - VICE CHAIRMAN
PAULINE CAMPBELL
JOHN CUMMINGS
FALINE DAIL
DAVID EDGE
LANCE HERNDON
JUDY SAMPSON

TAMMY FREEMAN, CLERK TO THE BOARD
MYRON NEVILLE, PUBLIC UTILITIES DIRECTOR

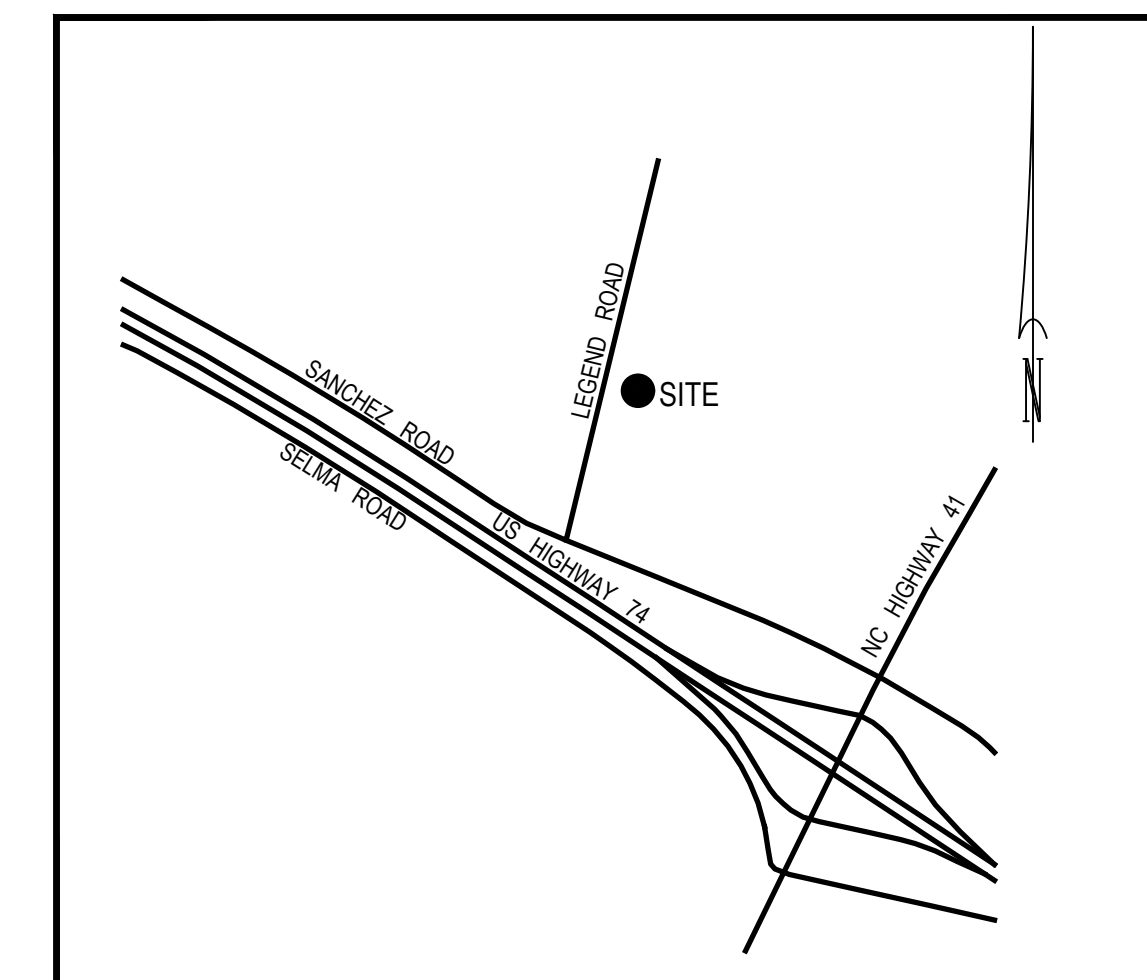
Table of Contents

- 1 - Site Plan
- 2 - 12" Water Main Plan & Profile
- 3 - Tank Elevation & Details
- 4 - Altitude Valve & Vault
- D-1 - Detail Sheet



Know what's below.
Call before you dig.

LIMITS OF WORK SHALL INCLUDE
ALL AREAS INSIDE NCDOT R/W &
EXISTING UTILITIES EASEMENTS
AS SHOWN ON PLANS.

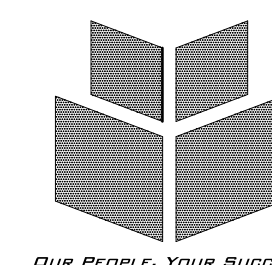


VICINITY MAP

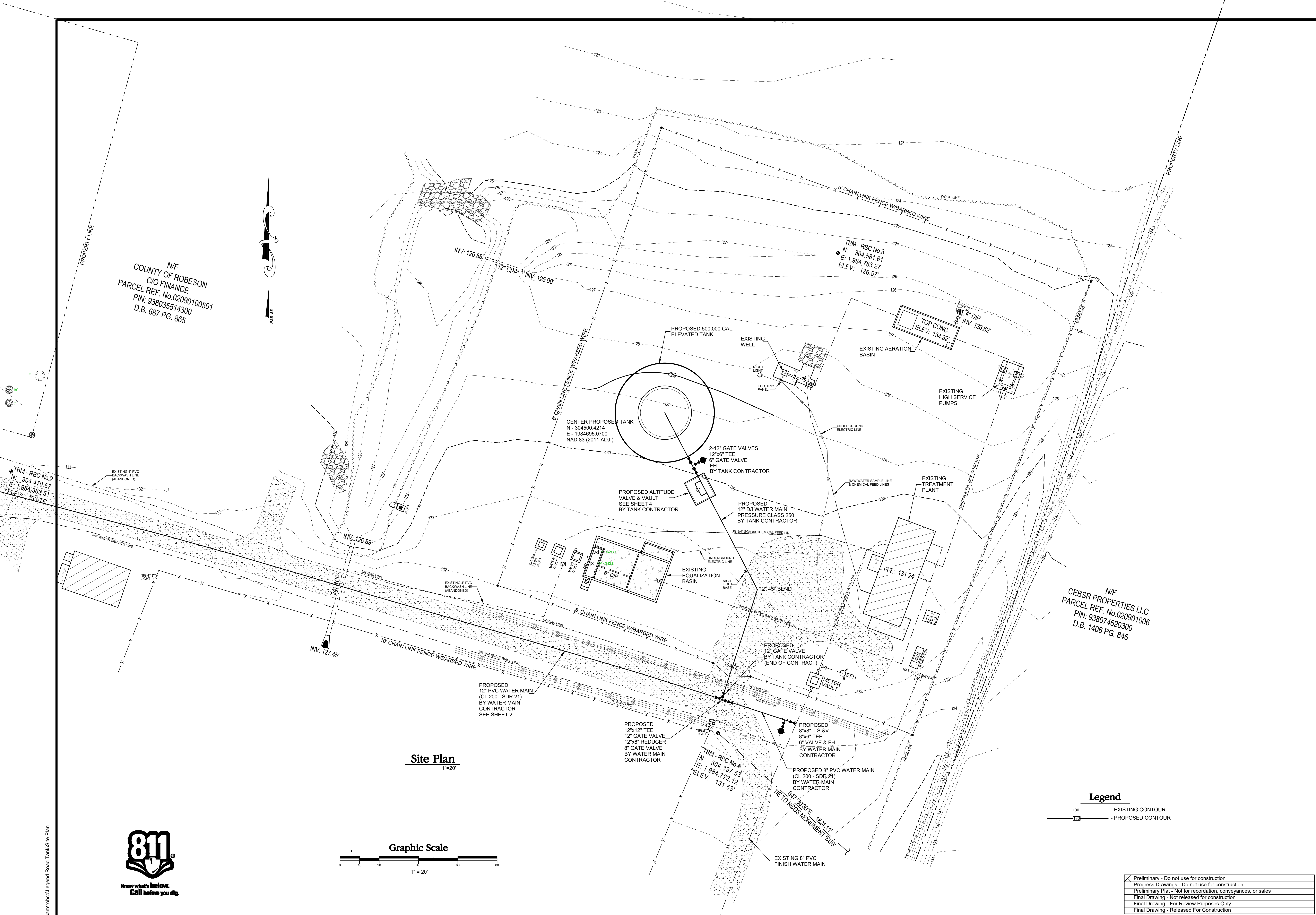


<input checked="" type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary Plat - Not for recordation, conveyances, or sales
<input type="checkbox"/>	Final Drawing - Not released for construction
<input type="checkbox"/>	Final Drawing - For Review Purposes Only
<input type="checkbox"/>	Final Drawing - Released For Construction

WithersRavenel · Engineers · Planners · Surveyors



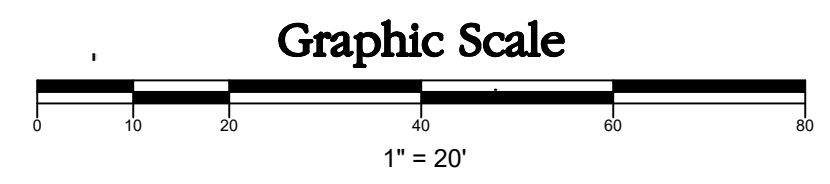
208 E. 5th Street Lumberton, NC 28358 Phone: 910-738-9376 Fax: 910-738-9378 Email: KNAengineering@att.net Lic. No.- F-1479



N/F
 COUNTY OF ROBESON
 C/O FINANCE
 PARCEL REF. No. 02090100501
 PIN: 938035514300
 D.B. 687 PG. 865

N/F
 CEBSR PROPERTIES LLC
 PARCEL REF. No. 020901006
 PIN: 938074620300
 D.B. 1406 PG. 846

Site Plan
 1" = 20'



Legend

- - - - -	EXISTING CONTOUR
— — — — —	PROPOSED CONTOUR

X	Preliminary - Do not use for construction
- - - - -	Progress Drawings - Do not use for construction
- - - - -	Preliminary Plat - Not for recordation, conveyances, or sales
- - - - -	Final Drawing - Not released for construction
- - - - -	Final Drawing - For Review Purposes Only
- - - - -	Final Drawing - Released For Construction



camirobo\Legend Road Tank\Site Plan

<p>DESIGNED BY: SRN DRAWN BY: CBB CHECKED BY: SRN DATE: JAN. 2023 SCALE: 1"=20' FIELD BOOK: GPS FILE NO.: SITE Plan PROJECT NO.: -</p>	<p style="text-align: center;">WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS</p> <p style="text-align: center;">208 EAST 5th STREET • LUMBERTON, N.C. 28358 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • EMAIL: KNAAengineering@att.net</p> <p style="text-align: center;">ROBESON COUNTY COUNTY-WIDE WATER SYSTEM LEGEND ROAD TANK - SITE PLAN</p>
<p>SHEET NO. 1</p> <p>OF 4</p>	



Sec. Rd. 2334
Legend Road

Graphic Scale

1" = 40'

⊗ Preliminary - Do not use for construction
⊞ Progress Drawings - Do not use for construction
⊞ Preliminary Plat - Not for recordation, conveyances, or sales
⊞ Final Drawing - Not released for construction
⊞ Final Drawing - For Review Purposes Only
⊞ Final Drawing - Released For Construction

WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS

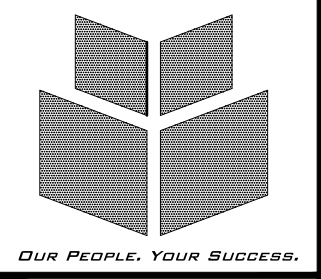
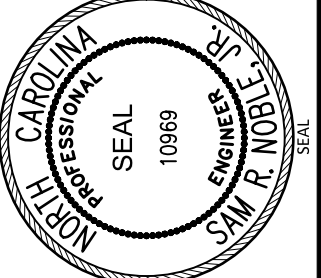
208 EAST 5th STREET • LUMBERTON, N.C. 28358 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • E-MAIL: KNEngineering@att.net

**ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK SITE - PROPOSED WATER MAIN**

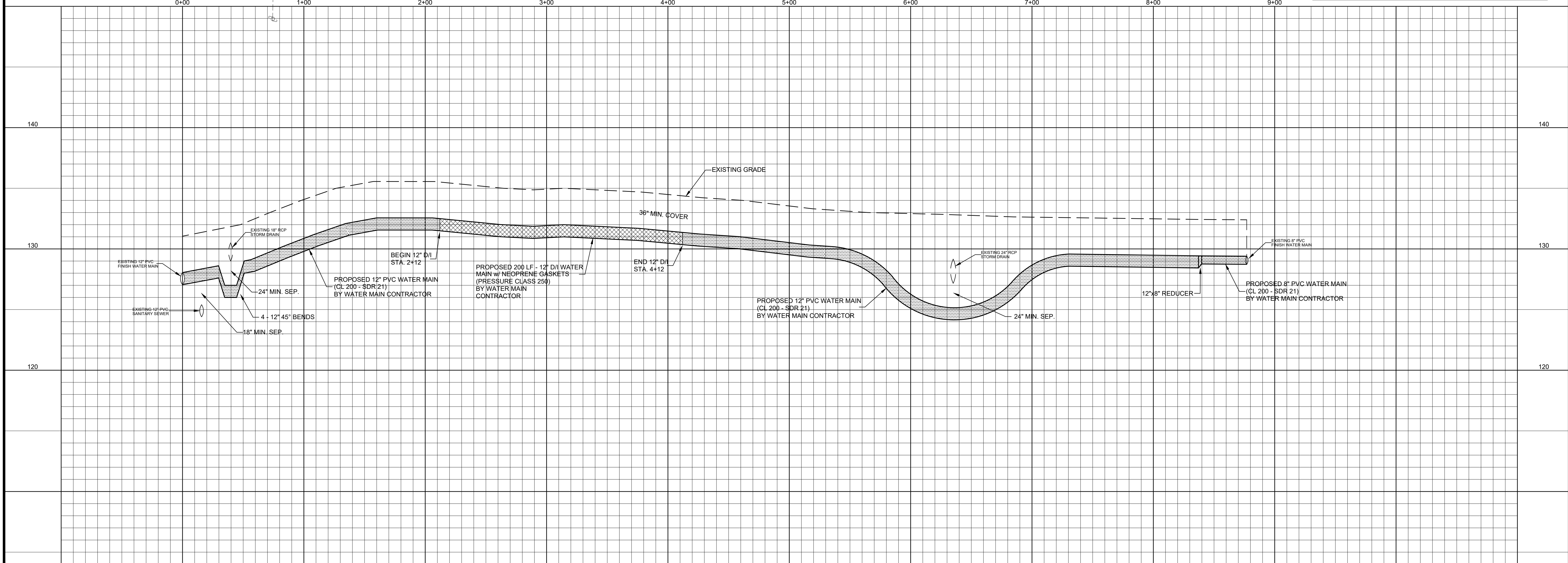
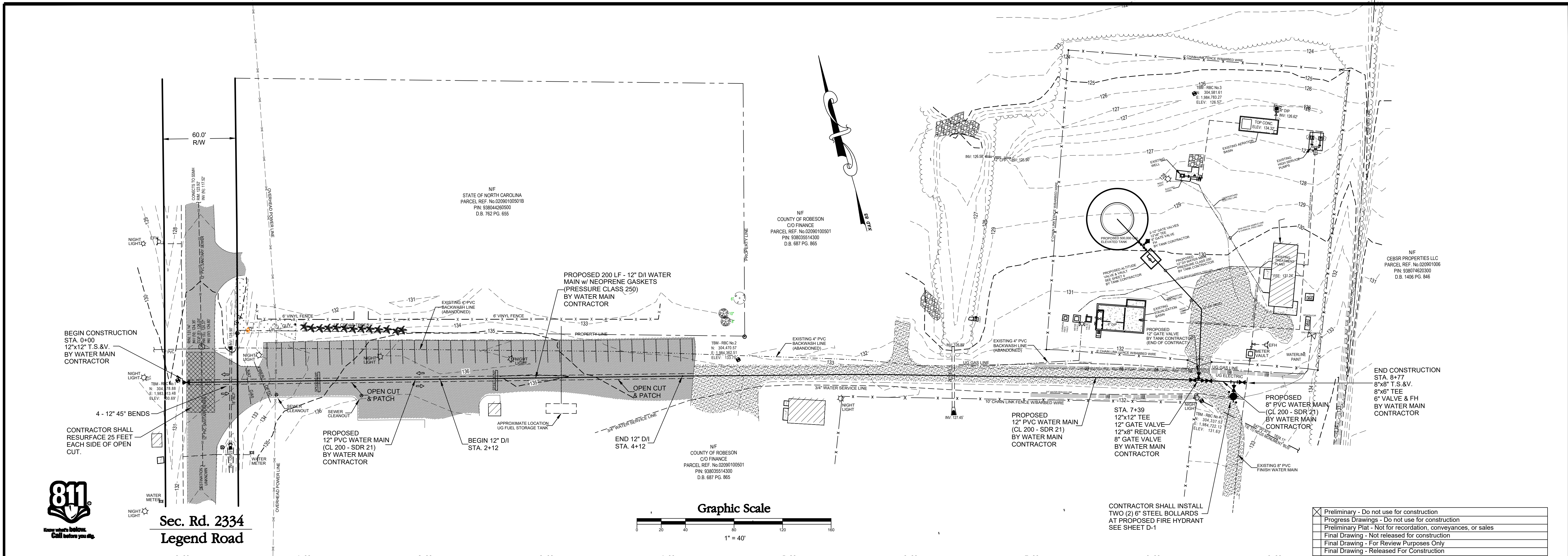
SHEET NO.

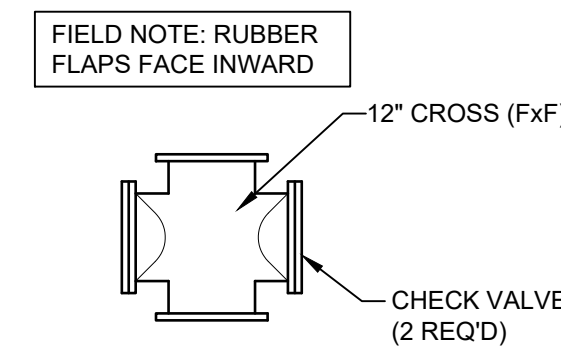
2

OF 4

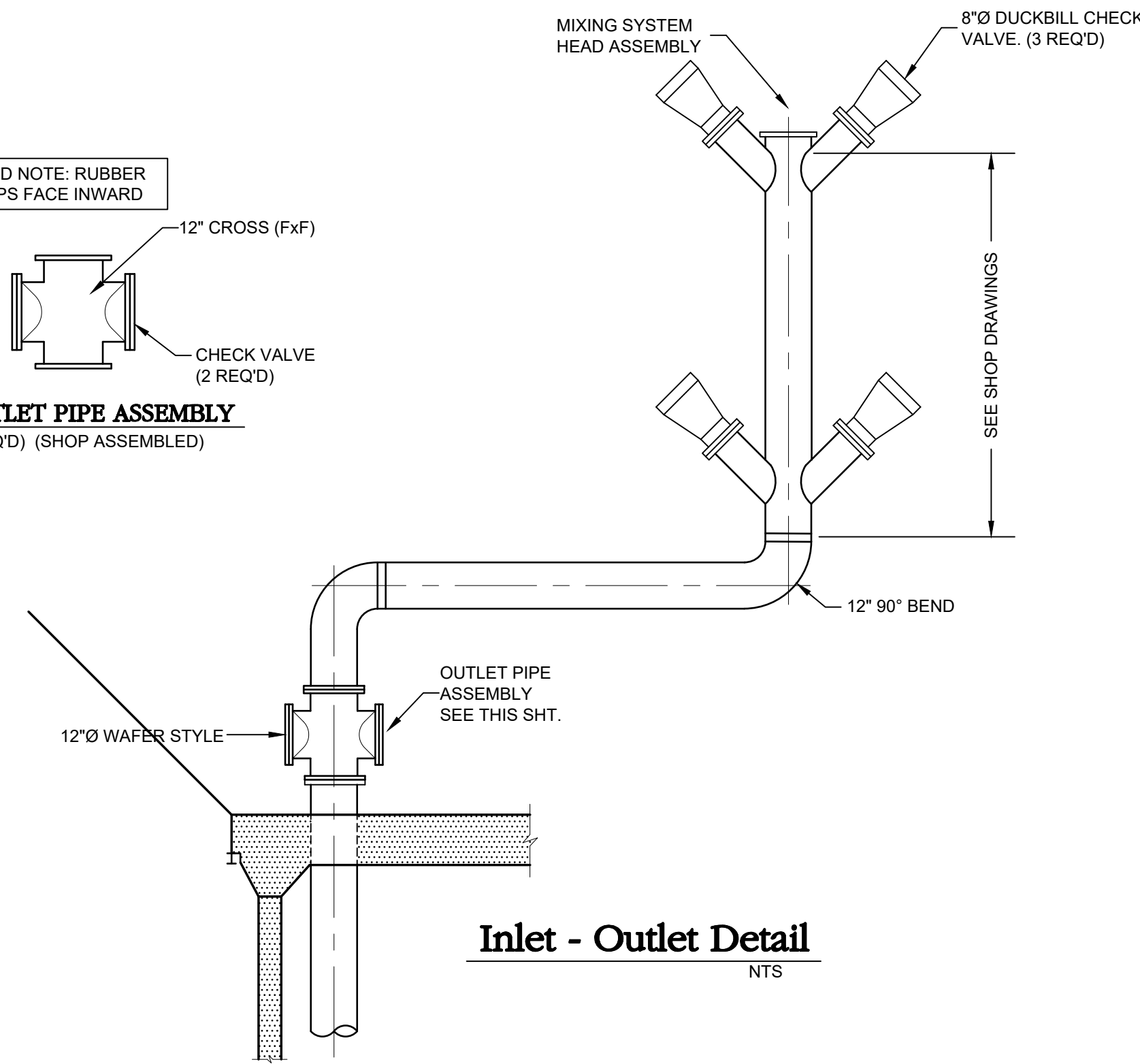


DESIGNED BY: SRN
DRAWN BY: CBB
CHECKED BY: SRN
DATE: JAN. 2023
SCALE: 1"=40'H, 1"=4'V
FIELD CODE: EPS
FILE NO.: 12 Water Main
PROJECT NO.:

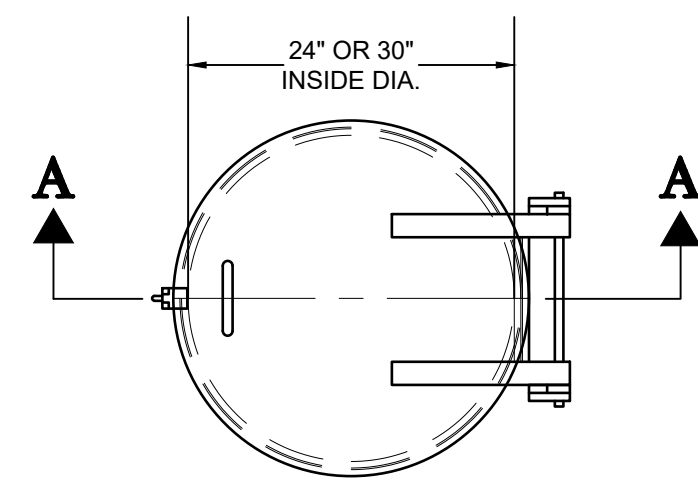




OUTLET PIPE ASSEMBLY
(1 REQ'D) (SHOP ASSEMBLED)

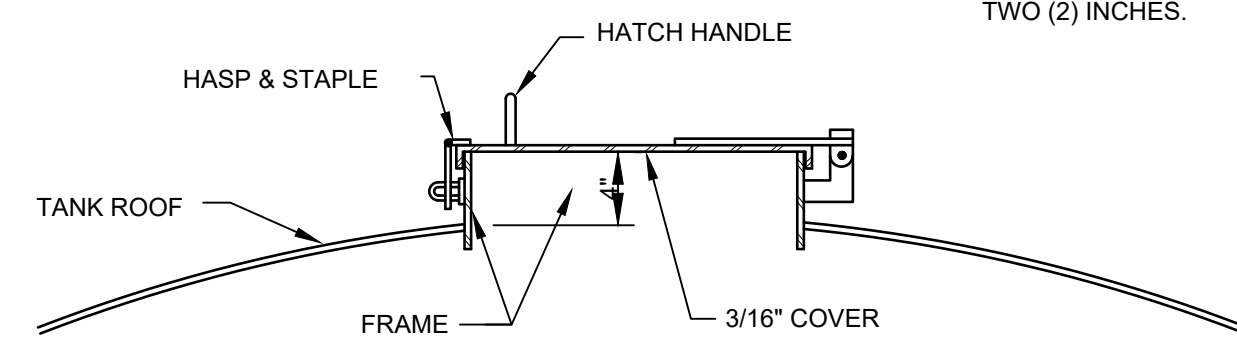


Inlet - Outlet Detail
NTS



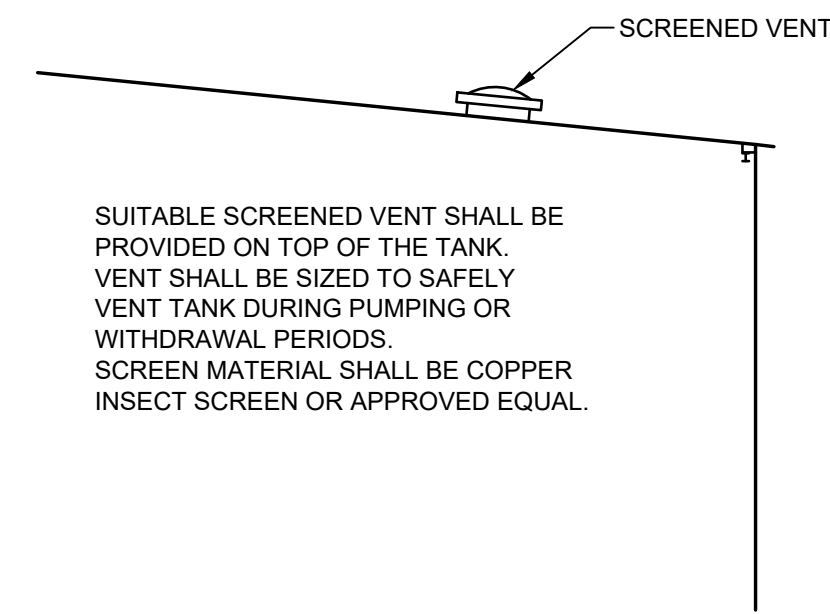
PLAN

NOTE: ROOF HATCH SHALL MEET ALL APPLICABLE REQUIREMENTS OF 15A-NCAC-18C.0405(a)(2). THE COVER SHALL EXTEND DOWN AROUND THE FRAME AT LEAST TWO (2) INCHES.

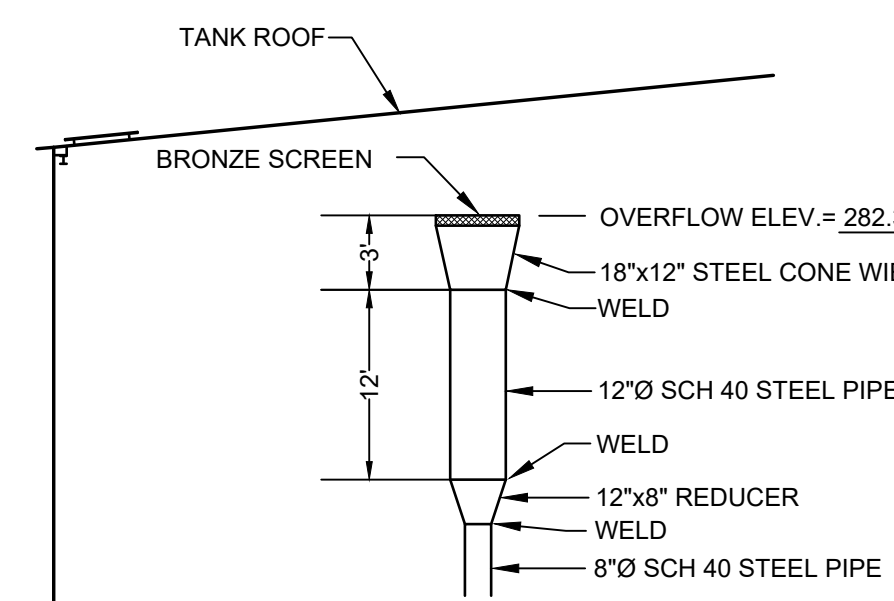


Section A-A

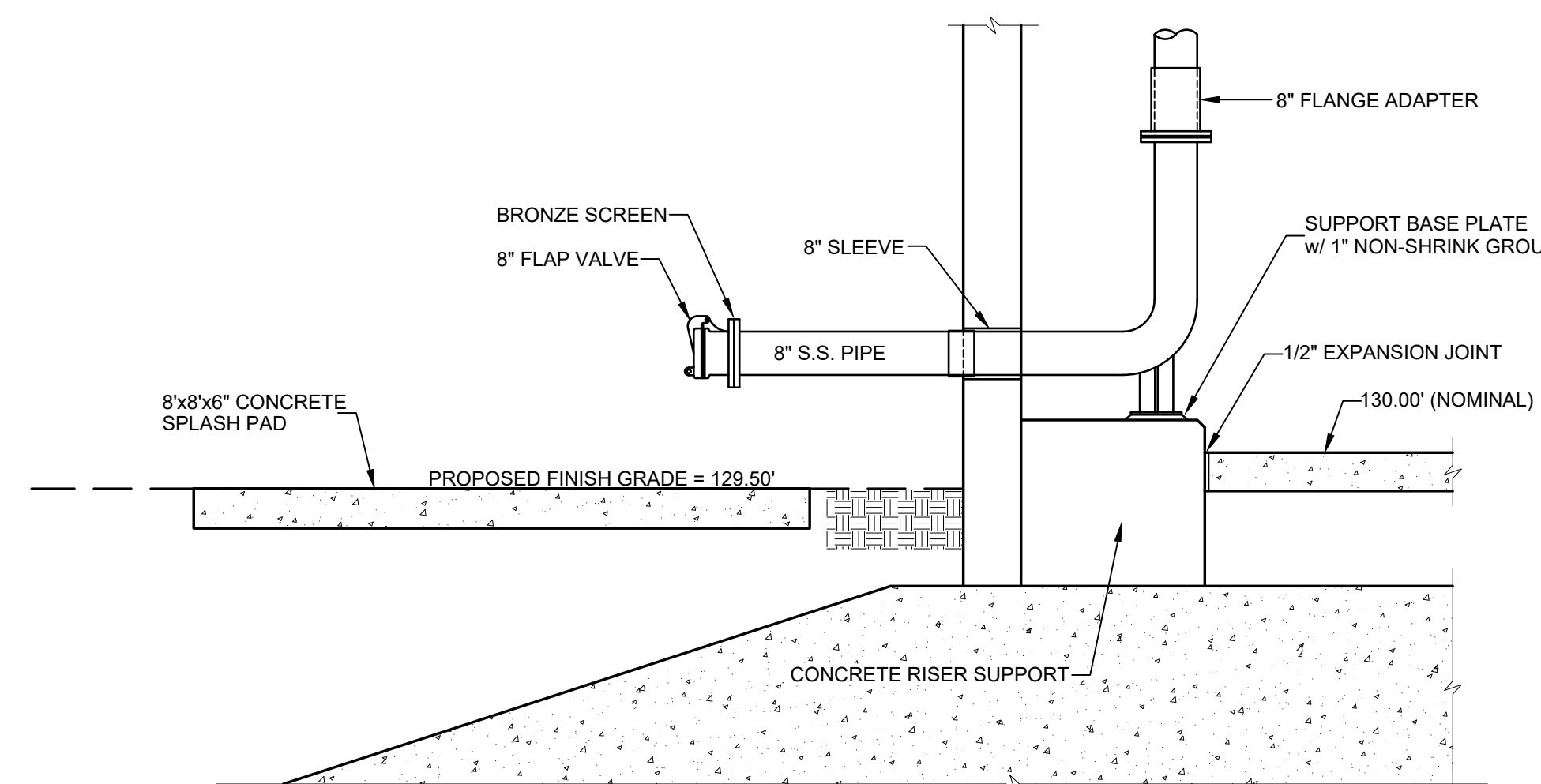
24"Ø or 30"Ø Roof Hatch
NTS



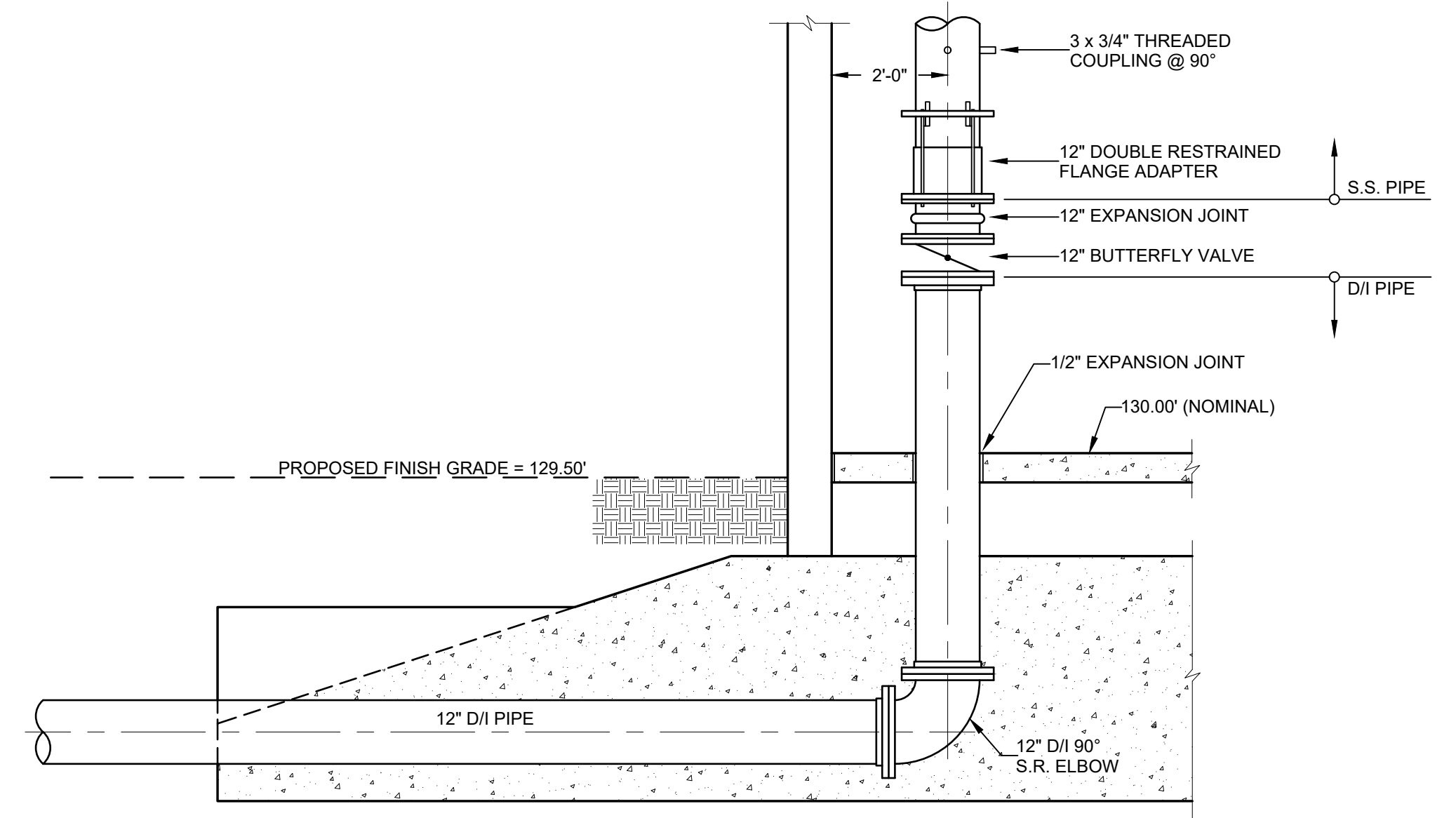
Screened Vent Detail
NTS



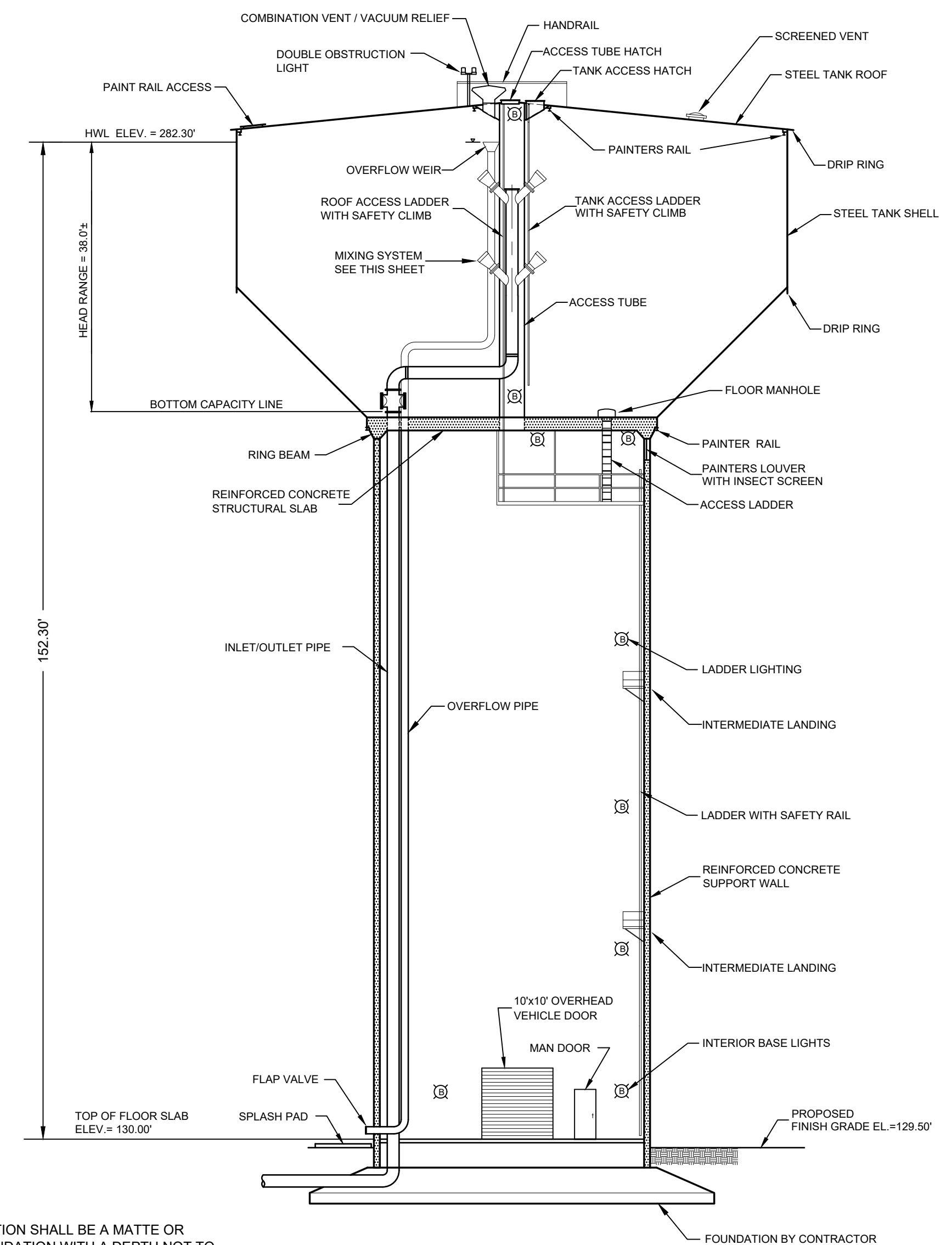
Overflow Inlet
NTS



8" Overflow Outlet
NTS



12" Inlet/Outlet Detail
NTS



Composite Tank Elevation
NTS

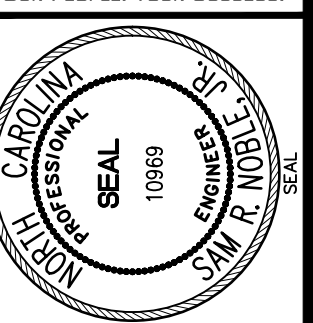
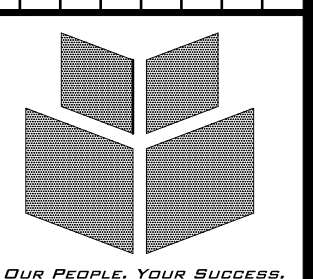
NOTE: FOUNDATION SHALL BE A MATTE OR RINGWALL FOUNDATION WITH A DEPTH NOT TO EXCEED 10 FEET BELOW FINISHED GRADE OR PILING SHALL BE INSTALLED TO A DEPTH OF NOT MORE THAN 65 FEET.

- NOTES:
1. TANK CONTRACTOR TO MOUNT DOUBLE OBSTRUCTION LIGHTS ON TOP OF TANK. SEE SPECIFICATIONS FOR DETAILS.
 2. TANK CONTRACTOR SHALL INSTALL CONDUIT, LIGHTS & ELECTRICAL SERVICE PER SPECIFICATIONS & SPECIAL PROVISIONS.
 3. ALL CHLORINATED WATER USED FOR ELEVATED TANK DISINFECTION SHALL BE DISCHARGED TO WASTE, AS DIRECTED BY THE ENGINEER, PRIOR TO REFILLING THE ELEVATED TANK FOR BACTERIOLOGICAL TESTING.
 4. LADDERS SHALL BE PROVIDED AS REQUIRED BY SPECIFICATIONS.

<input type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary Plat - Not for recordation, conveyances, or sales
<input type="checkbox"/>	Final Drawing - Not released for construction
<input type="checkbox"/>	Final Drawing - For Review Purposes Only
<input type="checkbox"/>	Final Drawing - Released For Construction

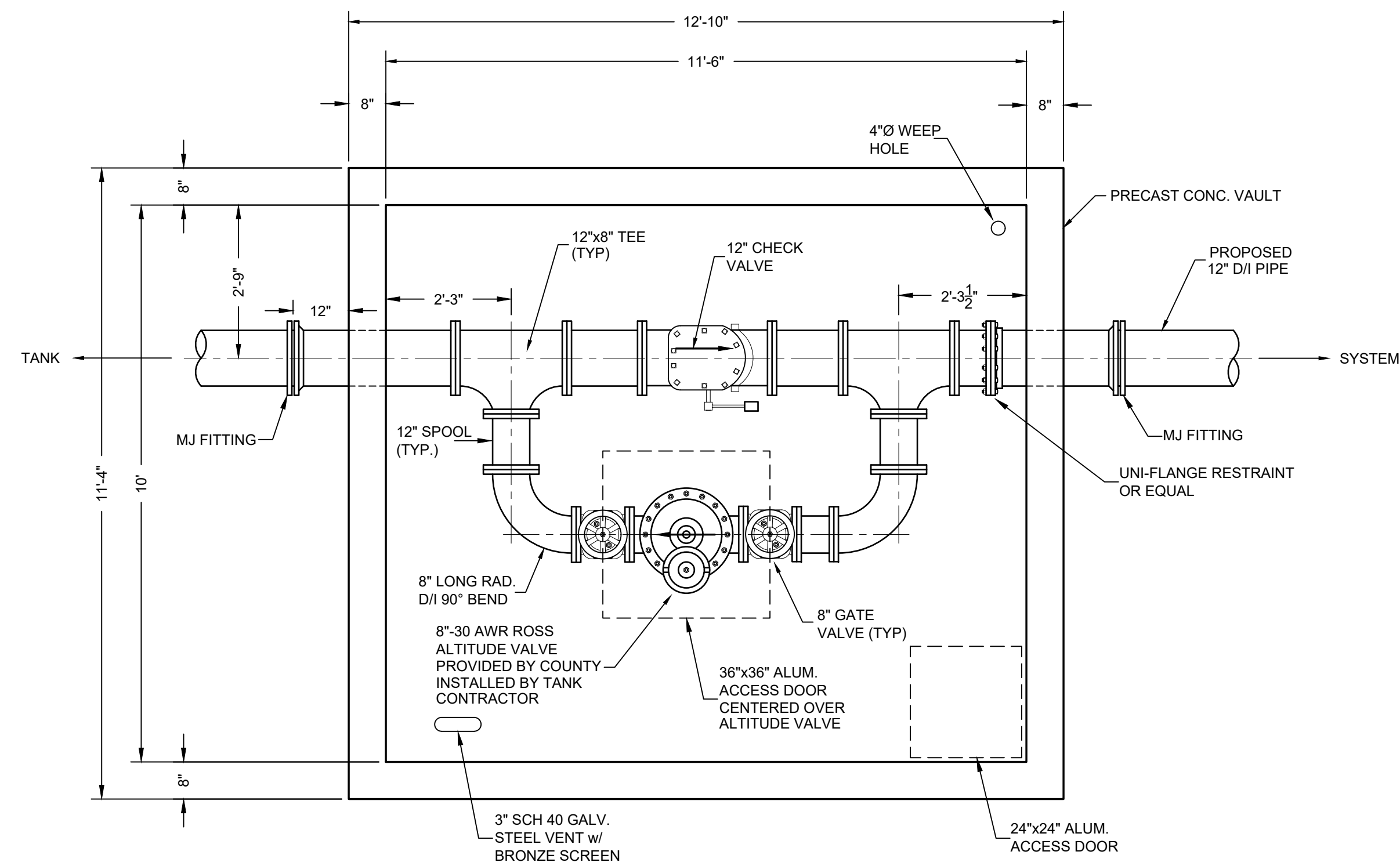
REVISIONS

DESIGNED BY: SRN
DRAWN BY: GIB
CHECKED BY: SRN
DATE: JAN. 2023
SCALE: NONE
FILE BOOK: --
FILE NO.: Tank Details
PROJECT NO.: --

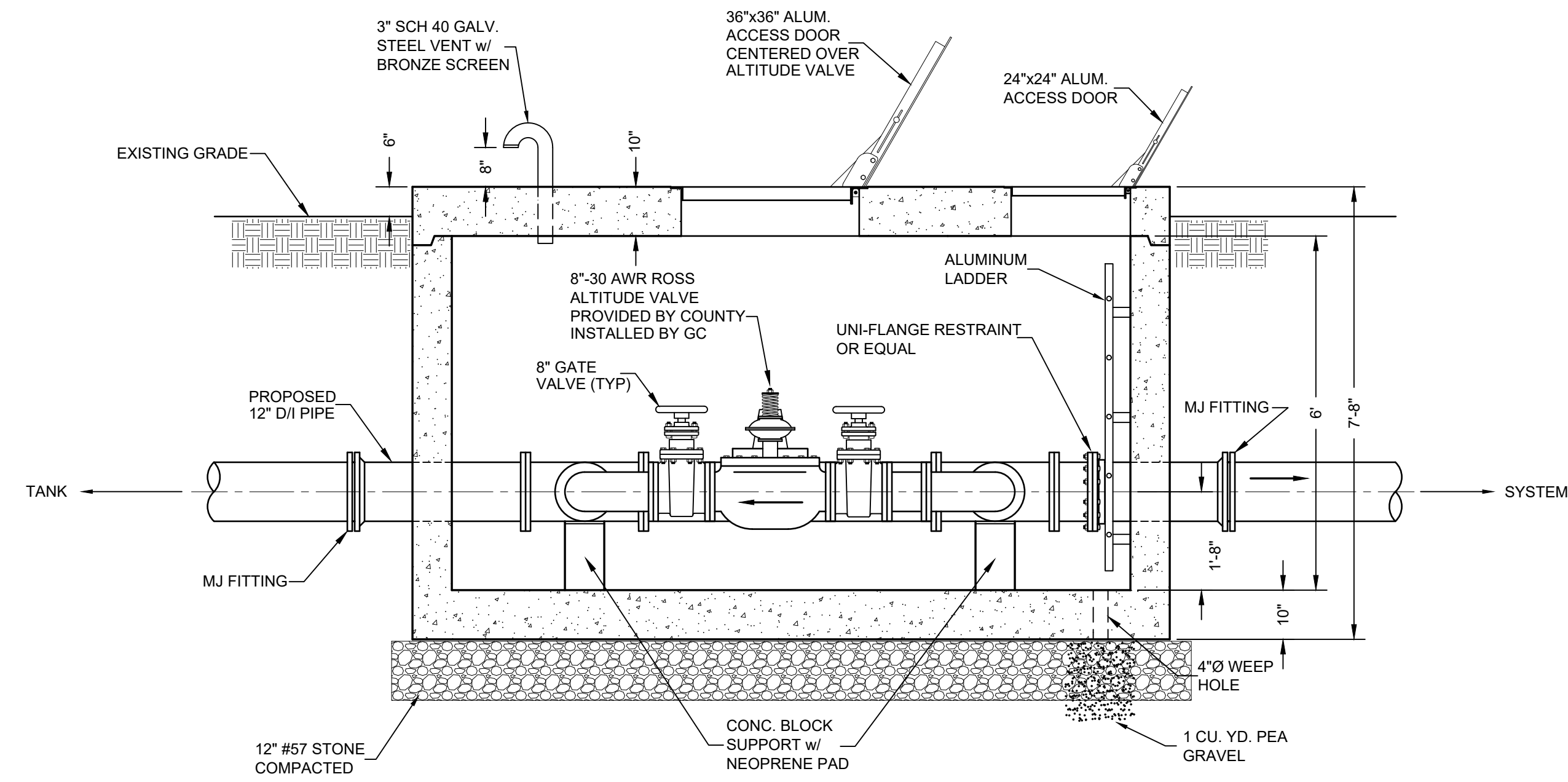


WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS
208 EAST 5th STREET • LUMBERTON, N.C. 28358 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • EMAIL: KNAEngineering@att.net

ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK - TANK ELEVATION AND DETAILS



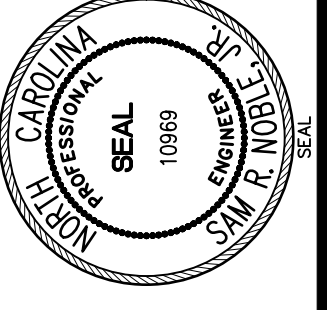
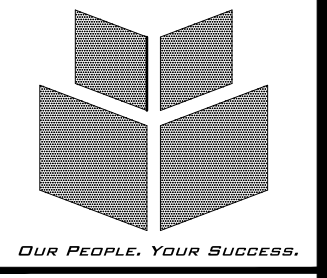
Plan View
1/2" = 1'-0"



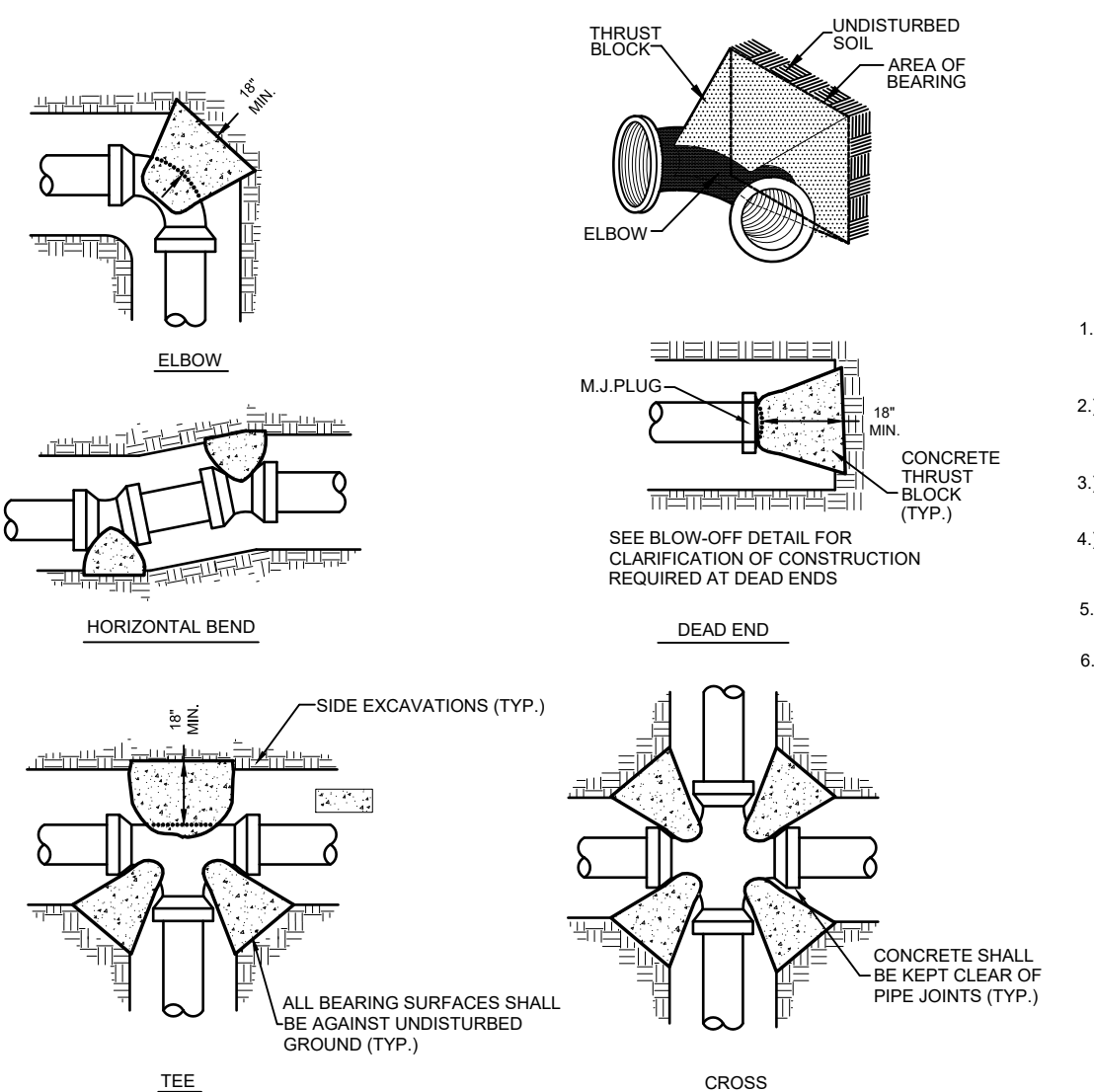
Profile View
1/2" = 1'-0"

<input checked="" type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary Plat - Not for recordation, conveyances, or sales
<input type="checkbox"/>	Final Drawing - Not released for construction
<input type="checkbox"/>	Final Drawing - For Review Purposes Only
<input type="checkbox"/>	Final Drawing - Released For Construction

DESIGNED BY: SRN
DRAWN BY: CBB
CHECKED BY: SRN
DATE: JAN. 2023
SCALE: 1/2" = 1'-0"
FIELD BOOK: -
FILE NO: ALTITUDE Valve
PROJECT NO.: -



WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS
 208 EAST 5th STREET • LUMBERTON, N.C. 28358 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • EMAIL: KNEngineering@atl.net
ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK - ALTITUDE VALVE AND VAULT

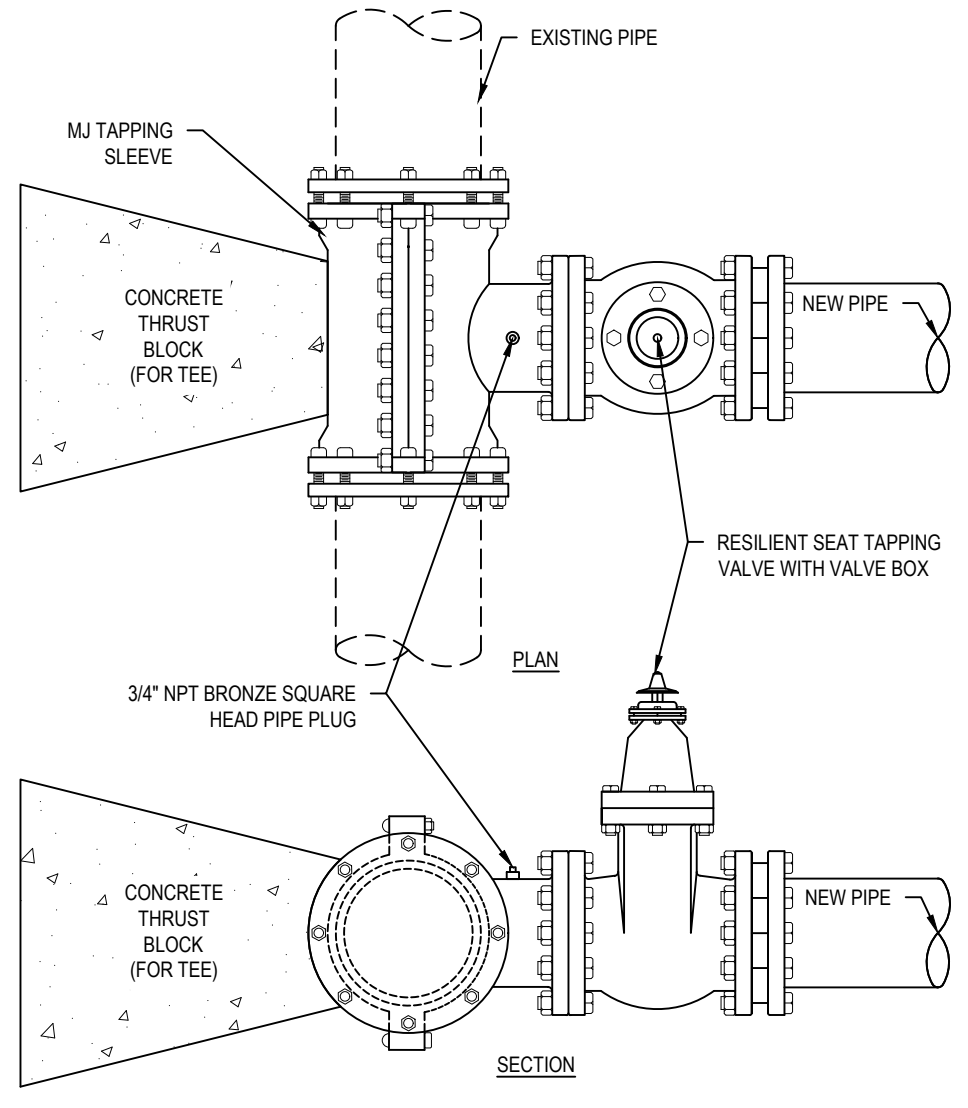


- NOTES:
- THRUST BLOCKS SHALL BE INSTALLED ON PVC WATER DISTRIBUTION LINES 6" THRU 12" DIA. IN THE MANNER SHOWN.
 - PIPE GREATER THAN 12 INCH DIAMETER SHALL REQUIRE RESTRAINT JOINT PIPE FOR THE PROPER LENGTH.
 - SAC-RETE SHALL NOT BE ALLOWED.
 - NO CONCRETE SHALL BE PLACED ON BOLTS. WRAP JOINT FITTINGS WITH PLASTIC.
 - CONCRETE SHALL BE A MINIMUM 3,000 PSI.
 - ALL BEARING SURFACES SHALL BE AGAINST UNDISTURBED SOIL.

CONCRETE THRUST BLOCK DETAIL
NTS

FITTING SIZE (IN.)	THRUST BLOCKING SCHEDULE				
	11 1/4"	22 1/2"	48"	90"	FLUG
2			0.23 (0.11)	0.38 (0.11)	0.30 (0.11)
4			0.83 (0.18)	1.35 (0.18)	0.98 (0.18)
6	0.40 (0.01)	0.80 (0.02)	1.73 (0.20)	3.00 (0.33)	2.17 (0.25)
8	0.80 (0.02)	1.50 (0.04)	3.08 (0.34)	5.40 (0.60)	3.83 (0.42)
10	1.20 (0.03)	2.30 (0.07)	4.72 (0.52)	8.40 (0.94)	5.92 (0.66)
12	1.70 (0.05)	3.30 (0.12)	6.82 (0.75)	12.00 (1.33)	8.48 (0.94)
16	3.00 (0.33)	5.90 (0.65)	11.60 (0.86)	21.30 (1.57)	15.00 (0.97)
20	4.60 (0.52)	9.20 (0.76)	18.00 (1.32)	33.30 (3.60)	23.30 (1.87)
24	6.70 (0.75)	13.20 (0.97)	26.00 (2.28)	48.00 (5.29)	33.60 (3.24)
30	10.40 (0.77)	20.70 (1.80)	40.60 (4.45)	75.00 (10.30)	52.50 (8.32)
36	15.00 (1.26)	29.80 (3.11)	58.40 (7.67)	108.0 (17.90)	75.60 (10.90)

NOTE: Values given are based on 150 psi water pressure and 2000 blif soil bearing capacity. Soils with less bearing capacity such as muck, peat or soft clay will require greater blocking areas and volumes.
The thrust blocking shown above is based on the use of mechanical joint as shown on plans.

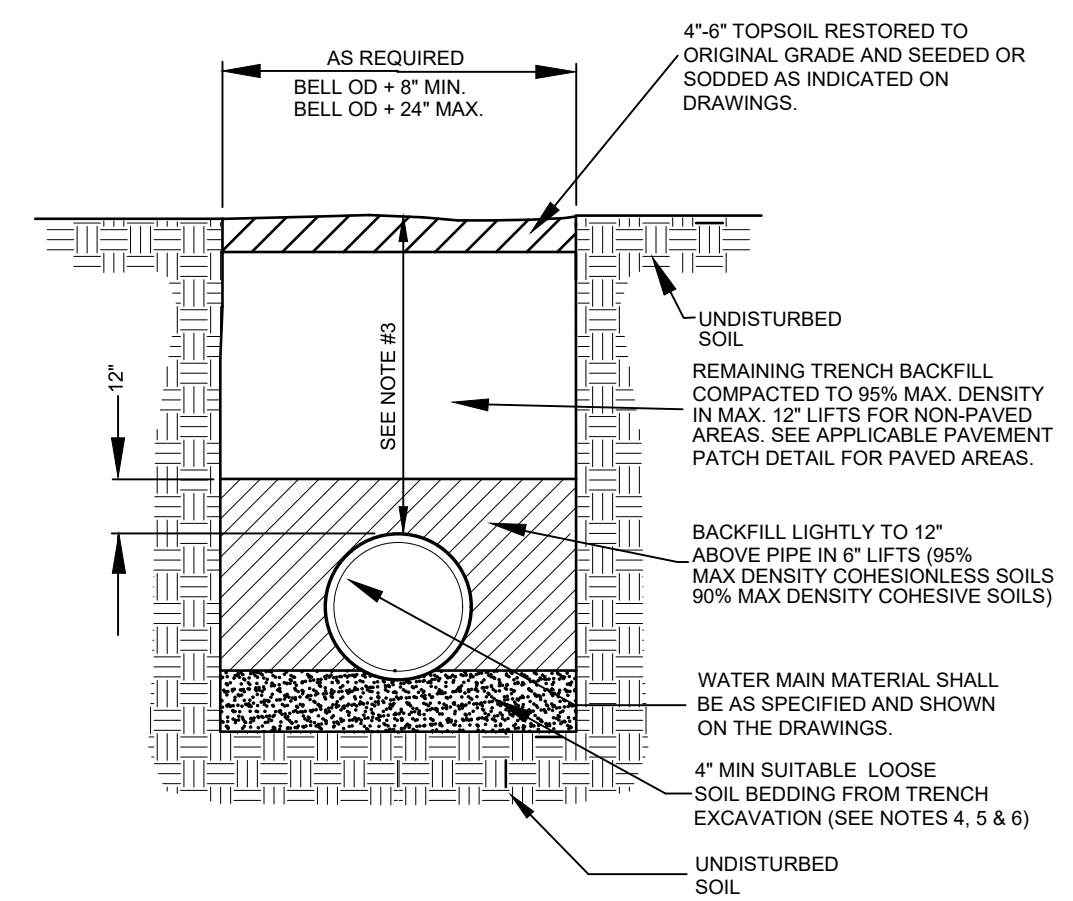


- NOTES:
- SLEEVE BODY SHALL BE DUCTILE IRON ASTM A536.
 - THE MATING FLANGE TO THE TAPPING SLEEVE MUST HAVE A RAISED MATE FACE TO PROVIDE FOR PROPER ALIGNMENT OF THE VALVE & TAPPING SLEEVE.
 - THE SLEEVE SHALL INCLUDE A FULL CIRCUMFERENTIAL GASKET PROVIDING A 360° SEAL AROUND EXISTING PIPE.
 - ALL VALVES SHALL HAVE 2" SQUARE OPERATING NUT & SHALL OPEN COUNTERCLOCKWISE.
 - VALVE BODY, BONNET, & GATE SHALL BE IN ACCORDANCE WITH AWWA C515 AND NSF 61.
 - VALVE BODY & BONNET SHALL BE COATED ON ALL INTERIOR & EXTERIOR SURFACES WITH A FUSION BONDED EPOXY IN ACCORDANCE WITH AWWA C550.
 - ALL VALVES 24" & SMALLER SHALL HAVE A SAFE WORKING PRESSURE OF 250 PSI.
 - PIPE SURFACES SHALL BE CLEANED THOROUGHLY TO PERMIT FOR A GOOD SEAL PRIOR TO INSTALLATION.
 - EXTERIOR OF TAPPING SLEEVE SHALL BE COATED WITH 2 COATS OF ASPHALTIC VARNISH MIL-C450.
 - EDGE OF SLEEVE SHALL BE LOCATED A MINIMUM OF 5' FROM THE NEAREST JOINT.

Tapping Sleeve & Valve
NTS

GENERAL NOTES:

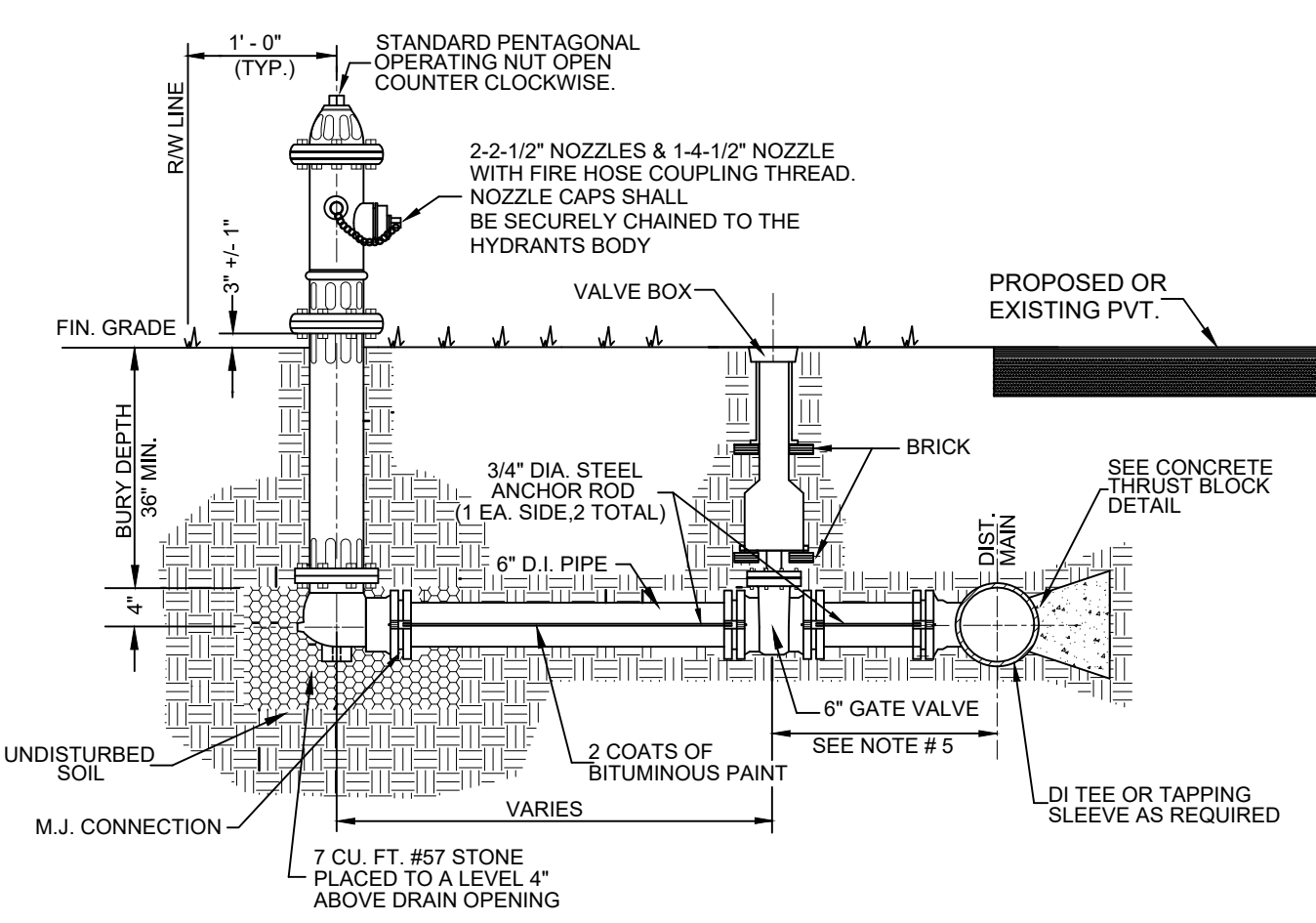
- THE CONTRACTOR SHALL HAVE A COMPLETE SET OF CONTRACT DOCUMENTS AS WELL AS ALL PERMIT APPROVALS AND EASEMENTS ON THE JOB SITE AT ALL TIMES.
- ALL SHOP DRAWINGS MUST BE REVIEWED AND APPROVED BY ENGINEER BEFORE EQUIPMENT IS ORDERED.
- CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL UNDERGROUND UTILITIES. KNOWN EXISTING UTILITIES HAVE BEEN LOCATED FROM THE INFORMATION AVAILABLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCURATELY LOCATE BOTH HORIZONTALLY AND VERTICALLY ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE NC ONE CALL CENTER AT 800.632.4949. ALL COSTS ASSOCIATED WITH ANY DAMAGE TO KNOWN OR UNKNOWN EXISTING UTILITIES RESULTING FROM THE CONTRACTOR'S FAILURE TO ADEQUATELY PROTECT THE EXISTING UTILITIES DURING CONSTRUCTION SHALL BE BORNE SOLELY BY THE CONTRACTOR.
- CONTRACTOR SHALL MAKE EVERY EFFORT TO SAVE PROPERTY IRONS, MONUMENTS, OTHER PERMANENT POINTS AND LINES OF REFERENCE AND CONSTRUCTION STAKES. A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE SHALL REPLACE PROPERTY IRONS, MONUMENTS, AND OTHER PERMANENT POINTS OF REFERENCE DESTROYED BY THE CONTRACTOR.
- CONTRACTOR SHALL CLEAR AND GRUB ALL UTILITY EASEMENTS, AS DIRECTED BY THE OWNER, TO INSTALL NEW UTILITIES. ON ROADWAY RIGHT-OF-WAYS, THE CONTRACTOR SHALL ONLY REMOVE THE TREES MARKED ON THE PLANS AND SHALL MAKE EVERY EFFORT DURING CONSTRUCTION TO PROTECT THE TREES THAT WILL NOT BE REMOVED.
- THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN ALL NECESSARY EROSION CONTROL MEASURES WHETHER OR NOT SHOWN ON THE PLANS TO PROTECT ADJACENT CREEKS, RIVERS, ROADWAYS, ETC. FROM SILTATION AND EROSION.
- THE CONTRACTOR SHALL SUPPORT ALL UTILITY POLES AS NECESSARY. THE CONTRACTOR SHALL COORDINATE UTILITY POLE SUPPORT WITH THE APPROPRIATE UTILITY COMPANIES.
- CONTRACTOR SHALL RESTORE/REPLACE ALL SIGNS, MAILBOXES, ETC. ENCOUNTERED DURING CONSTRUCTION TO ORIGINAL CONDITION.
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO THE EXISTING GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- ALL DRIVEWAYS SHALL BE REPAIRED AS SOON AS CONSTRUCTION HAS PASSED. A MINIMUM OF 6" OF C&B SHALL BE USED FOR TEMPORARY REPAIR ON ASPHALT AND CONCRETE DRIVEWAYS UNTIL PERMANENT REPAIR CAN BE COMPLETED AND A MINIMUM OF 6" OF C&B SHALL BE USED AS PERMANENT REPAIR ON GRAVEL DRIVEWAYS.
- CONTRACTOR SHALL REPLACE WITH NEW ALL DRIVEWAY PIPES AND OTHER DRAINAGE PIPES/CULVERTS THAT ARE DISTURBED WHILE INSTALLING THE UTILITIES. ALL PIPE/CULVERTS SHALL MEET THE REQUIREMENTS OF NCDOT.
- ALL ROADWAY DITCHES DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION OR BETTER AND CONFORM TO NCDOT REQUIREMENTS. ALL DITCHES SHALL BE LINED WITH EROSION CONTROL MATTING UNLESS OTHERWISE NOTED.
- ALL EXCAVATED MATERIAL SHALL BE PLACED WITHIN THE LIMITS OF DISTURBANCE DURING UTILITY INSTALLATION. THE CONTRACTOR SHALL PROVIDE THE NECESSARY SEDIMENT AND EROSION CONTROL MEASURES TO CONTROL RUN-OFF. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED OF LEGALLY.
- HORIZONTAL DATUM IS NAD 83.
- VERTICAL DATUM IS NAVD 88.



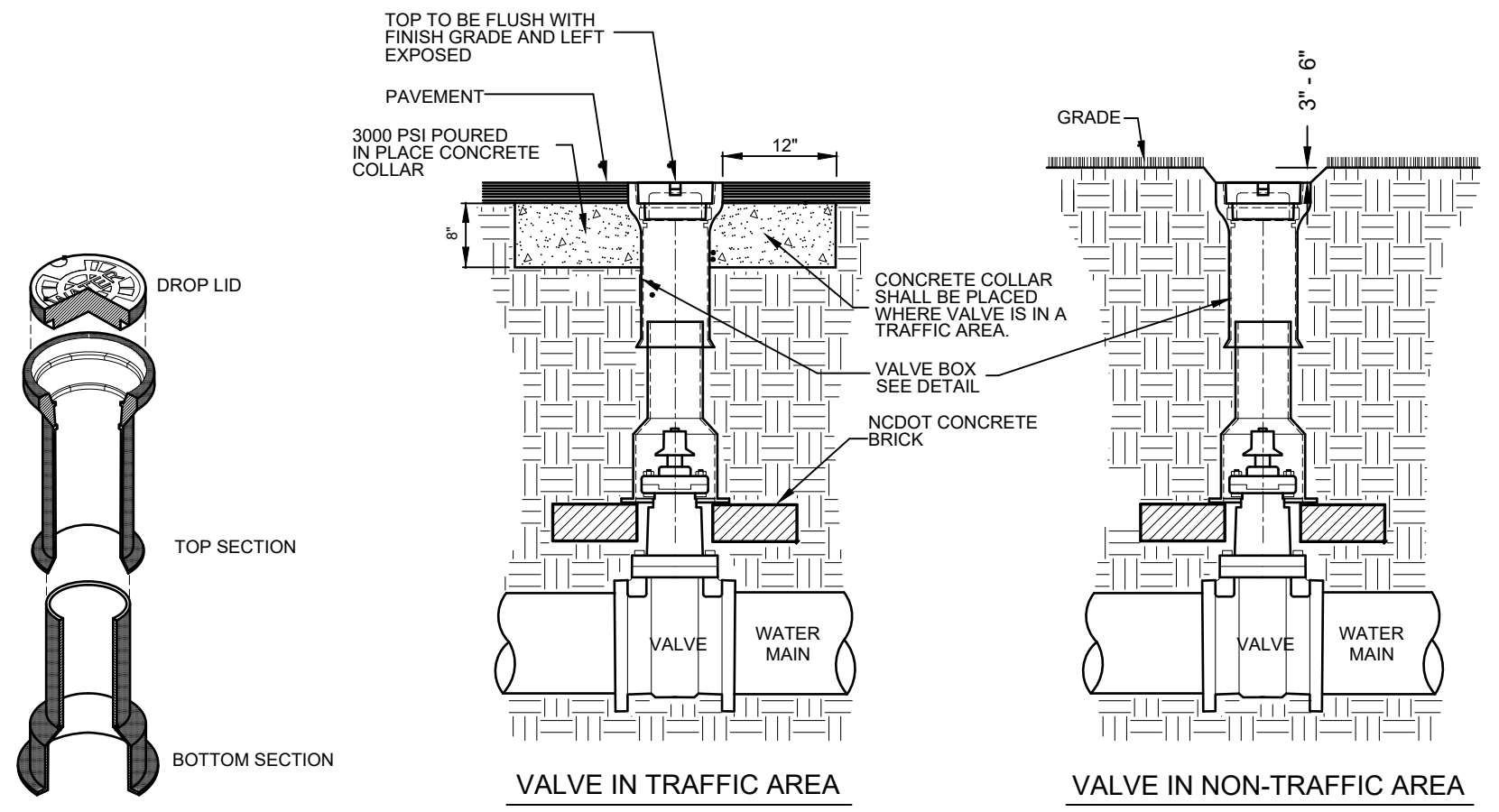
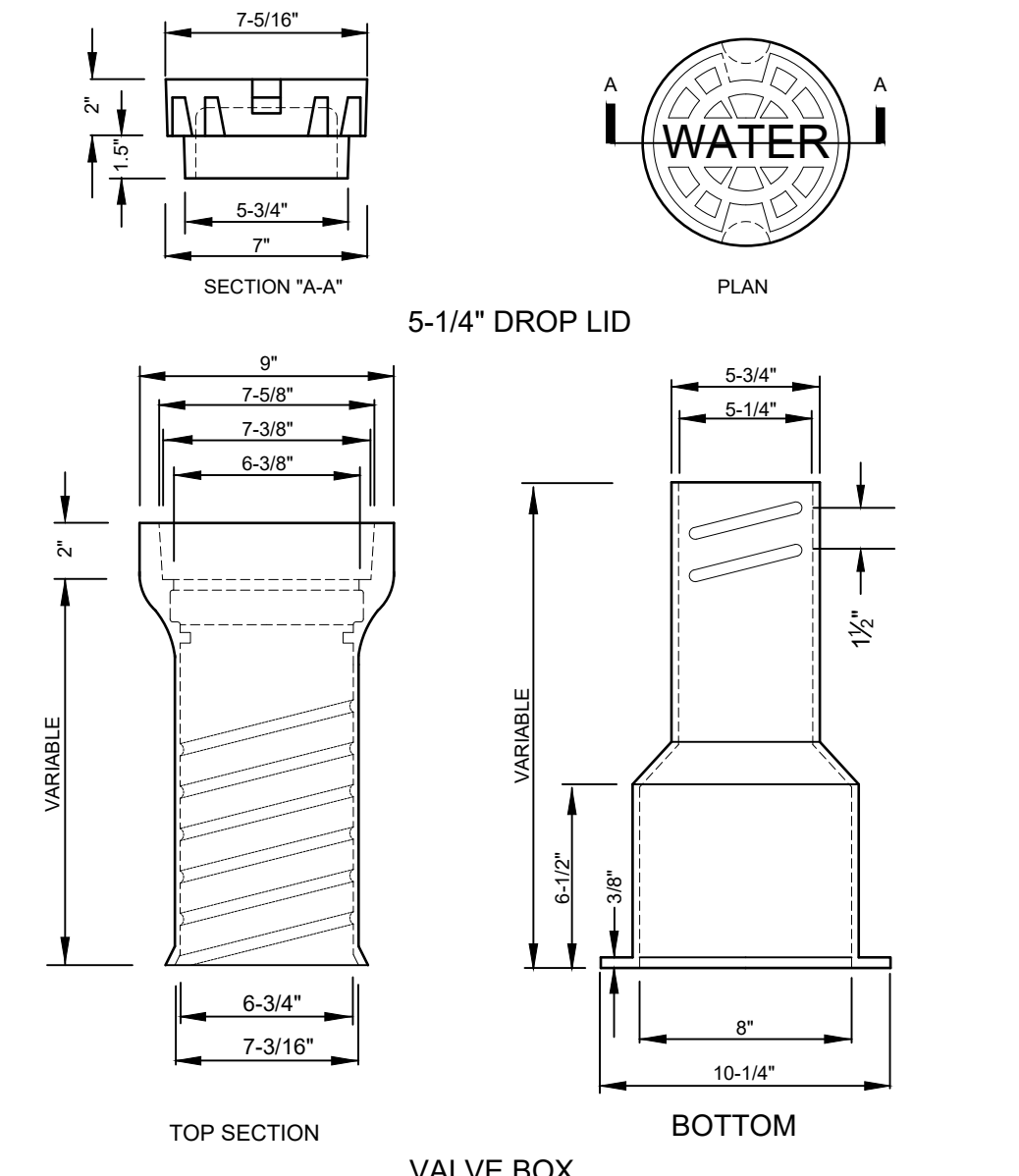
- NOTES:
- ALL EXCAVATIONS SHALL COMPLY WITH THE TERMS AND CONDITIONS OF THE CONSTRUCTION STANDARDS FOR EXCAVATIONS IN OSHA SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, CHAPTER XV.11 OF TITLE 29, CFR, PART 1926. THE CONTRACTOR SHALL HAVE A COMPETENT PERSON ON SITE AT ALL TIMES DURING EXCAVATION AND BACKFILLING.
 - CONTRACTOR SHALL USE TRENCH BOX SHORING IN ALL OPEN CUTS IN PAVED AREAS. TRENCH WIDTH SHALL BE MAINTAINED AT THE MINIMUM PRACTICAL WIDTH.
 - SEE PLANS FOR MINIMUM COVER.
 - LOOSE SOIL OR SELECT MATERIAL IS DEFINED AS "NATIVE" SOIL EXCAVATED FROM THE TRENCH, FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH.
 - BEDDING MATERIAL SHALL EXTEND TO UNDISTURBED TRENCH WALLS AND TRENCH BOTTOM. BEDDING MATERIAL WILL NOT BE PAID FOR UNLESS SPECIFICALLY APPROVED BY THE PROJECT REPRESENTATIVE AND ONLY FOR THE AUTHORIZED QUANTITY.
 - WHERE NATIVE SOIL IS DETERMINED TO BE ADEQUATE BY THE ENGINEER, NO EXCAVATION BELOW THE BOTTOM OF PIPE IS REQUIRED.
 - BEDDING MATERIAL SHALL BE PROPERLY RODDED AND COMPACTED AROUND THE PIPE HAUNCHES.
 - TEST FOR DENSITY OF COMPACTION MAY BE MADE AT THE OPTION OF THE ENGINEER AND DEFICIENCIES SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE ENGINEER MAY HAVE COMPACTION TEST PERFORMED AFTER THE BACKFILL IS COMPLETE. CONTRACTOR SHALL BE REQUIRED TO EXCAVATE TO VARIOUS ELEVATIONS FOR DENSITY TESTING EXCAVATION, BACKFILL, AND RECOMPACTION SHALL BE PERFORMED AT NO ADDITIONAL COSTS TO THE OWNER.

WATER MAIN BEDDING DETAIL
NTS

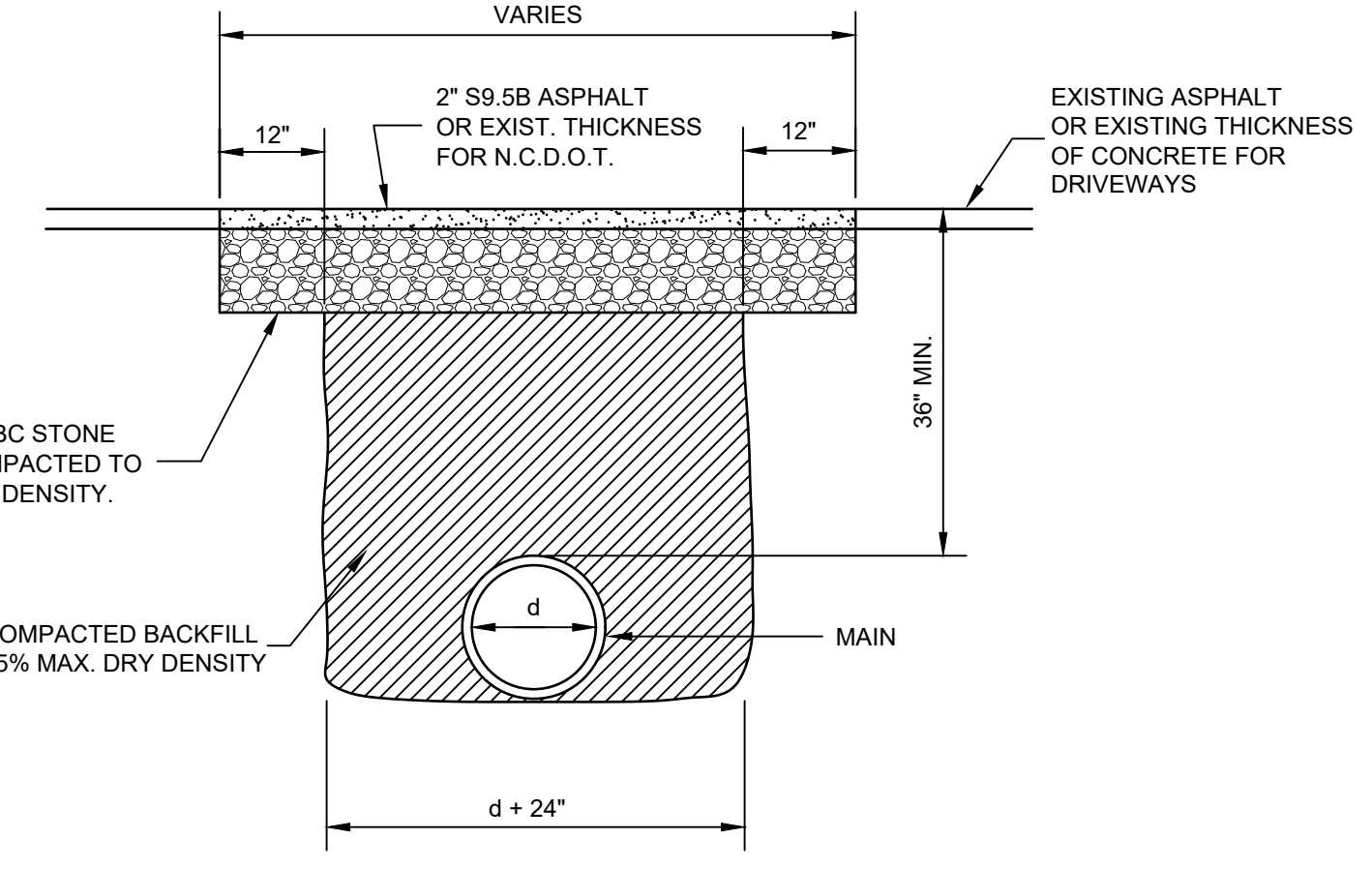
- NOTES:
- ALL VALVES AND HYDRANTS SHALL HAVE M.J. CONNECTIONS WITH IRON RETAINING GLAND M.J. RESTRAINT OR ANCHOR LUGS AND 3/4" DIA. STEEL ANCHOR RODS.
 - 3/4" DIA. STEEL RODS AND ALL BURIED SURFACES SHALL BE PAINTED WITH 2 COATS OF BITUMINOUS PAINT. MARRED OR SCRATCHED SURFACES SHALL BE REPAINTED. PAINT SHALL CURE PRIOR TO BACK-FILLING TRENCH.
 - FIRE HYDRANTS SHALL BE PLACED AS DIRECTED BY THE ENGINEER.
 - HYDRANT BRANCH SHALL NOT BE BACK FILLED UNTIL INSPECTED AND APPROVED BY ENGINEER.
 - HYDRANT EXTENSIONS SHALL BE APPROVED BY ENGINEER.



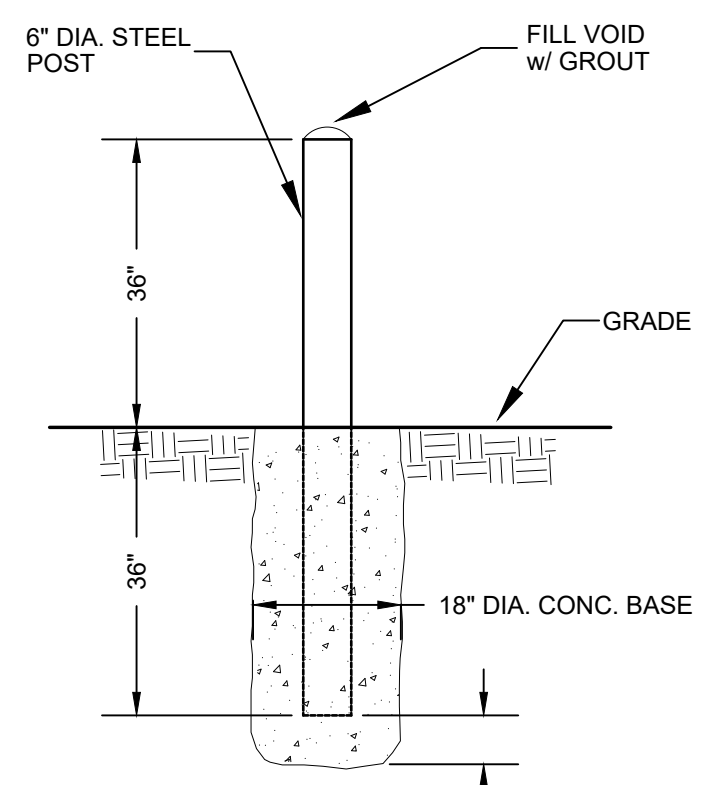
HYDRANT DETAIL
NTS



Valve Box Detail
NTS



Open Cut & Patch Detail
NTS



Bollard Detail
NTS

<input checked="" type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary Plat - Not for recordation, conveyances, or sales
<input type="checkbox"/>	Final Drawing - Not released for construction
<input type="checkbox"/>	Final Drawing - For Review Purposes Only
<input type="checkbox"/>	Final Drawing - Released For Construction

DESIGNED BY: **SN**
 DRAWN BY: **CB**
 CHECKED BY: **SN**
 DATE: **JANUARY 2023**
 SCALE: **NONE**
 FIELD BOOK: **-**
 FILE NO: **D-1**
 PROJECT NO: **-**

WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS
 208 EAST 5th STREET • LUMBERTON, N.C. 28358 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • E-MAIL: KNEngineering@att.net

ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK - DETAILS

SHEET NO. **D-1**
 OF

ATTACHMENT 2:

**USDA AD 1006 Farmland
Conversion Impact Rating
Form**

FARMLAND CONVERSION IMPACT RATING

PART I (To be completed by Federal Agency)		Date Of Land Evaluation Request				
Name of Project		Federal Agency Involved				
Proposed Land Use		County and State				
PART II (To be completed by NRCS)		Date Request Received By NRCS		Person Completing Form:		
Does the site contain Prime, Unique, Statewide or Local Important Farmland? <i>(If no, the FPPA does not apply - do not complete additional parts of this form)</i>		YES <input type="checkbox"/>	NO <input type="checkbox"/>	Acres Irrigated	Average Farm Size	
Major Crop(s)	Farmable Land In Govt. Jurisdiction Acres: %	Amount of Farmland As Defined in FPPA Acres: %				
Name of Land Evaluation System Used	Name of State or Local Site Assessment System	Date Land Evaluation Returned by NRCS				
PART III (To be completed by Federal Agency)		Alternative Site Rating				
		Site A	Site B	Site C	Site D	
A. Total Acres To Be Converted Directly						
B. Total Acres To Be Converted Indirectly						
C. Total Acres In Site						
PART IV (To be completed by NRCS) Land Evaluation Information						
A. Total Acres Prime And Unique Farmland						
B. Total Acres Statewide Important or Local Important Farmland						
C. Percentage Of Farmland in County Or Local Govt. Unit To Be Converted						
D. Percentage Of Farmland in Govt. Jurisdiction With Same Or Higher Relative Value						
PART V (To be completed by NRCS) Land Evaluation Criterion Relative Value of Farmland To Be Converted (Scale of 0 to 100 Points)						
PART VI (To be completed by Federal Agency) Site Assessment Criteria <i>(Criteria are explained in 7 CFR 658.5 b. For Corridor project use form NRCS-CPA-106)</i>		Maximum Points	Site A	Site B	Site C	Site D
1. Area In Non-urban Use		(15)				
2. Perimeter In Non-urban Use		(10)				
3. Percent Of Site Being Farmed		(20)				
4. Protection Provided By State and Local Government		(20)				
5. Distance From Urban Built-up Area		(15)				
6. Distance To Urban Support Services		(15)				
7. Size Of Present Farm Unit Compared To Average		(10)				
8. Creation Of Non-farmable Farmland		(10)				
9. Availability Of Farm Support Services		(5)				
10. On-Farm Investments		(20)				
11. Effects Of Conversion On Farm Support Services		(10)				
12. Compatibility With Existing Agricultural Use		(10)				
TOTAL SITE ASSESSMENT POINTS		160				
PART VII (To be completed by Federal Agency)						
Relative Value Of Farmland (From Part V)		100				
Total Site Assessment (From Part VI above or local site assessment)		160				
TOTAL POINTS (Total of above 2 lines)		260				
Site Selected:	Date Of Selection	Was A Local Site Assessment Used? YES <input type="checkbox"/> NO <input type="checkbox"/>				
Reason For Selection:						
Name of Federal agency representative completing this form:					Date:	

(See Instructions on reverse side)

STEPS IN THE PROCESSING THE FARMLAND AND CONVERSION IMPACT RATING FORM

- Step 1 - Federal agencies (or Federally funded projects) involved in proposed projects that may convert farmland, as defined in the Farmland Protection Policy Act (FPPA) to nonagricultural uses, will initially complete Parts I and III of the form. For Corridor type projects, the Federal agency shall use form NRCS-CPA-106 in place of form AD-1006. The Land Evaluation and Site Assessment (LESA) process may also be accessed by visiting the FPPA website, <http://fppa.nrcs.usda.gov/lesa/>.
- Step 2 - Originator (Federal Agency) will send one original copy of the form together with appropriate scaled maps indicating location(s) of project site(s), to the Natural Resources Conservation Service (NRCS) local Field Office or USDA Service Center and retain a copy for their files. (NRCS has offices in most counties in the U.S. The USDA Office Information Locator may be found at http://offices.usda.gov/scripts/ndISAPI.dll/oip_public/USA_map, or the offices can usually be found in the Phone Book under U.S. Government, Department of Agriculture. A list of field offices is available from the NRCS State Conservationist and State Office in each State.)
- Step 3 - NRCS will, within 10 working days after receipt of the completed form, make a determination as to whether the site(s) of the proposed project contains prime, unique, statewide or local important farmland. (When a site visit or land evaluation system design is needed, NRCS will respond within 30 working days.
- Step 4 - For sites where farmland covered by the FPPA will be converted by the proposed project, NRCS will complete Parts II, IV and V of the form.
- Step 5 - NRCS will return the original copy of the form to the Federal agency involved in the project, and retain a file copy for NRCS records.
- Step 6 - The Federal agency involved in the proposed project will complete Parts VI and VII of the form and return the form with the final selected site to the servicing NRCS office.
- Step 7 - The Federal agency providing financial or technical assistance to the proposed project will make a determination as to whether the proposed conversion is consistent with the FPPA.

INSTRUCTIONS FOR COMPLETING THE FARMLAND CONVERSION IMPACT RATING FORM

(For Federal Agency)

Part I: When completing the "County and State" questions, list all the local governments that are responsible for local land use controls where site(s) are to be evaluated.

Part III: When completing item B (Total Acres To Be Converted Indirectly), include the following:

1. Acres not being directly converted but that would no longer be capable of being farmed after the conversion, because the conversion would restrict access to them or other major change in the ability to use the land for agriculture.
2. Acres planned to receive services from an infrastructure project as indicated in the project justification (e.g. highways, utilities planned build out capacity) that will cause a direct conversion.

Part VI: Do not complete Part VI using the standard format if a State or Local site assessment is used. With local and NRCS assistance, use the local Land Evaluation and Site Assessment (LESA).

1. Assign the maximum points for each site assessment criterion as shown in § 658.5(b) of CFR. In cases of corridor-type project such as transportation, power line and flood control, criteria #5 and #6 will not apply and will, be weighted zero, however, criterion #8 will be weighed a maximum of 25 points and criterion #11 a maximum of 25 points.
2. Federal agencies may assign relative weights among the 12 site assessment criteria other than those shown on the FPPA rule after submitting individual agency FPPA policy for review and comment to NRCS. In all cases where other weights are assigned, relative adjustments must be made to maintain the maximum total points at 160. For project sites where the total points equal or exceed 160, consider alternative actions, as appropriate, that could reduce adverse impacts (e.g. Alternative Sites, Modifications or Mitigation).

Part VII: In computing the "Total Site Assessment Points" where a State or local site assessment is used and the total maximum number of points is other than 160, convert the site assessment points to a base of 160.

Example: if the Site Assessment maximum is 200 points, and the alternative Site "A" is rated 180 points:

$$\frac{\text{Total points assigned Site A}}{\text{Maximum points possible}} = \frac{180}{200} \times 160 = 144 \text{ points for Site A}$$

For assistance in completing this form or FPPA process, contact the local NRCS Field Office or USDA Service Center.

NRCS employees, consult the FPPA Manual and/or policy for additional instructions to complete the AD-1006 form.

ATTACHMENT 3:

**USDA NRCS Soil Surveys for Action Area
and Subject Property, and TIGERweb
Urban Areas Map**



United States
Department of
Agriculture

NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for Robeson County, North Carolina

ACTION AREA



Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Contents

Preface	2
How Soil Surveys Are Made	5
Soil Map	8
Soil Map.....	9
Legend.....	10
Map Unit Legend.....	11
Map Unit Descriptions.....	11
Robeson County, North Carolina.....	13
FaB—Faceville fine sandy loam, 2 to 6 percent slopes.....	13
Pm—Plummer and Osier soils.....	14
Pt—Portsmouth loam.....	15
WaB—Wagram loamy sand, 0 to 6 percent slopes.....	17
References	19

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

Custom Soil Resource Report

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

Custom Soil Resource Report

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report Soil Map



Map Scale: 1:1,550 if printed on A landscape (11" x 8.5") sheet.


0 20 40 80 120 Meters

0 50 100 200 300 Feet

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)




















Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines


 Soil Map Unit Points

Special Point Features






-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features


Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Robeson County, North Carolina
 Survey Area Data: Version 21, Sep 12, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 17, 2022—May 20, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
FaB	Faceville fine sandy loam, 2 to 6 percent slopes	0.2	10.6%
Pm	Plummer and Osier soils	0.2	12.6%
Pt	Portsmouth loam	0.0	1.8%
WaB	Wagram loamy sand, 0 to 6 percent slopes	1.2	74.9%
Totals for Area of Interest		1.6	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or

Custom Soil Resource Report

landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Robeson County, North Carolina

FaB—Faceville fine sandy loam, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: 3vf4
Elevation: 80 to 330 feet
Mean annual precipitation: 38 to 55 inches
Mean annual air temperature: 59 to 70 degrees F
Frost-free period: 210 to 265 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Faceville and similar soils: 85 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Faceville

Setting

Landform: Ridges on marine terraces
Landform position (two-dimensional): Summit, shoulder
Landform position (three-dimensional): Crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Clayey marine deposits

Typical profile

Ap - 0 to 8 inches: fine sandy loam
E - 8 to 13 inches: fine sandy loam
Bt - 13 to 80 inches: clay

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 8.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: B
Hydric soil rating: No

Pm—Plummer and Osier soils

Map Unit Setting

National map unit symbol: 3vfr
Elevation: 80 to 330 feet
Mean annual precipitation: 38 to 55 inches
Mean annual air temperature: 59 to 70 degrees F
Frost-free period: 210 to 265 days
Farmland classification: Not prime farmland

Map Unit Composition

Plummer, undrained, and similar soils: 40 percent
Osier, undrained, and similar soils: 30 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Plummer, Undrained

Setting

Landform: Depressions, drainageways, flats
Landform position (two-dimensional): Toeslope
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Loamy and sandy marine deposits

Typical profile

A - 0 to 9 inches: loamy sand
Eg - 9 to 50 inches: loamy sand
Btg - 50 to 80 inches: sandy loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.20 to 1.98 in/hr)
Depth to water table: About 0 to 12 inches
Frequency of flooding: Very rare
Frequency of ponding: None
Available water supply, 0 to 60 inches: Low (about 4.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4w
Hydrologic Soil Group: A/D
Hydric soil rating: Yes

Description of Osier, Undrained

Setting

Landform: Depressions, drainageways, flats
Landform position (two-dimensional): Toeslope

Custom Soil Resource Report

Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Sandy fluviomarine deposits

Typical profile

A - 0 to 8 inches: loamy sand
Cg1 - 8 to 48 inches: loamy sand
Cg2 - 48 to 80 inches: coarse sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95 to 19.98 in/hr)
Depth to water table: About 0 to 12 inches
Frequency of flooding: FrequentNone
Frequency of ponding: None
Available water supply, 0 to 60 inches: Low (about 3.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 5w
Hydrologic Soil Group: A/D
Hydric soil rating: Yes

Pt—Portsmouth loam

Map Unit Setting

National map unit symbol: 3vfv
Elevation: 20 to 160 feet
Mean annual precipitation: 40 to 55 inches
Mean annual air temperature: 59 to 70 degrees F
Frost-free period: 200 to 280 days
Farmland classification: Prime farmland if drained

Map Unit Composition

Portsmouth, drained, and similar soils: 80 percent
Portsmouth, undrained, and similar soils: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Portsmouth, Drained

Setting

Landform: Flats on marine terraces, depressions on stream terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loamy fluviomarine deposits over sandy fluviomarine deposits

Custom Soil Resource Report

Typical profile

Ap - 0 to 12 inches: loam
Eg - 12 to 19 inches: loam
BEg - 19 to 23 inches: loam
Btg - 23 to 35 inches: sandy clay loam
BCg - 35 to 38 inches: sandy loam
2Cg1 - 38 to 48 inches: sand
2Cg2 - 48 to 80 inches: sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: 20 to 40 inches to strongly contrasting textural stratification
Drainage class: Very poorly drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: About 0 to 12 inches
Frequency of flooding: Rare
Frequency of ponding: None
Available water supply, 0 to 60 inches: Low (about 5.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3w
Hydrologic Soil Group: B/D
Hydric soil rating: Yes

Description of Portsmouth, Undrained

Setting

Landform: Depressions on stream terraces, flats on marine terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loamy fluviomarine deposits over sandy fluviomarine deposits

Typical profile

A - 0 to 12 inches: loam
Eg - 12 to 19 inches: loam
BEg - 19 to 23 inches: loam
Btg - 23 to 35 inches: sandy clay loam
BCg - 35 to 38 inches: sandy loam
2Cg1 - 38 to 48 inches: sand
2Cg2 - 48 to 80 inches: sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: 20 to 40 inches to strongly contrasting textural stratification
Drainage class: Very poorly drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: About 0 to 12 inches
Frequency of flooding: Rare
Frequency of ponding: Rare

Custom Soil Resource Report

Available water supply, 0 to 60 inches: Low (about 5.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6w

Hydrologic Soil Group: B/D

Hydric soil rating: Yes

WaB—Wagram loamy sand, 0 to 6 percent slopes

Map Unit Setting

National map unit symbol: 3vg3

Elevation: 80 to 330 feet

Mean annual precipitation: 38 to 55 inches

Mean annual air temperature: 59 to 70 degrees F

Frost-free period: 210 to 265 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Wagram and similar soils: 90 percent

Minor components: 5 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Wagram

Setting

Landform: Ridges on marine terraces, broad interstream divides on marine terraces

Landform position (two-dimensional): Summit, shoulder

Landform position (three-dimensional): Crest

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Loamy marine deposits

Typical profile

Ap - 0 to 8 inches: loamy sand

E - 8 to 24 inches: loamy sand

Bt - 24 to 75 inches: sandy clay loam

BC - 75 to 83 inches: sandy loam

Properties and qualities

Slope: 0 to 6 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.57 to 1.98 in/hr)

Depth to water table: About 60 to 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water supply, 0 to 60 inches: Moderate (about 6.7 inches)

Custom Soil Resource Report

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2s

Hydrologic Soil Group: A

Hydric soil rating: No

Minor Components

Bibb, undrained

Percent of map unit: 3 percent

Landform: Flood plains

Landform position (two-dimensional): Toeslope

Down-slope shape: Concave

Across-slope shape: Linear

Hydric soil rating: Yes

Johnston, undrained

Percent of map unit: 2 percent

Landform: Flood plains

Down-slope shape: Concave

Across-slope shape: Linear

Hydric soil rating: Yes

References

- American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.
- American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.
- Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.
- Federal Register. July 13, 1994. Changes in hydric soils of the United States.
- Federal Register. September 18, 2002. Hydric soils of the United States.
- Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.
- National Research Council. 1995. Wetlands: Characteristics and boundaries.
- Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262
- Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577
- Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580
- Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.
- United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.
- United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374
- United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084>

Custom Soil Resource Report

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf



United States
Department of
Agriculture

NRCS

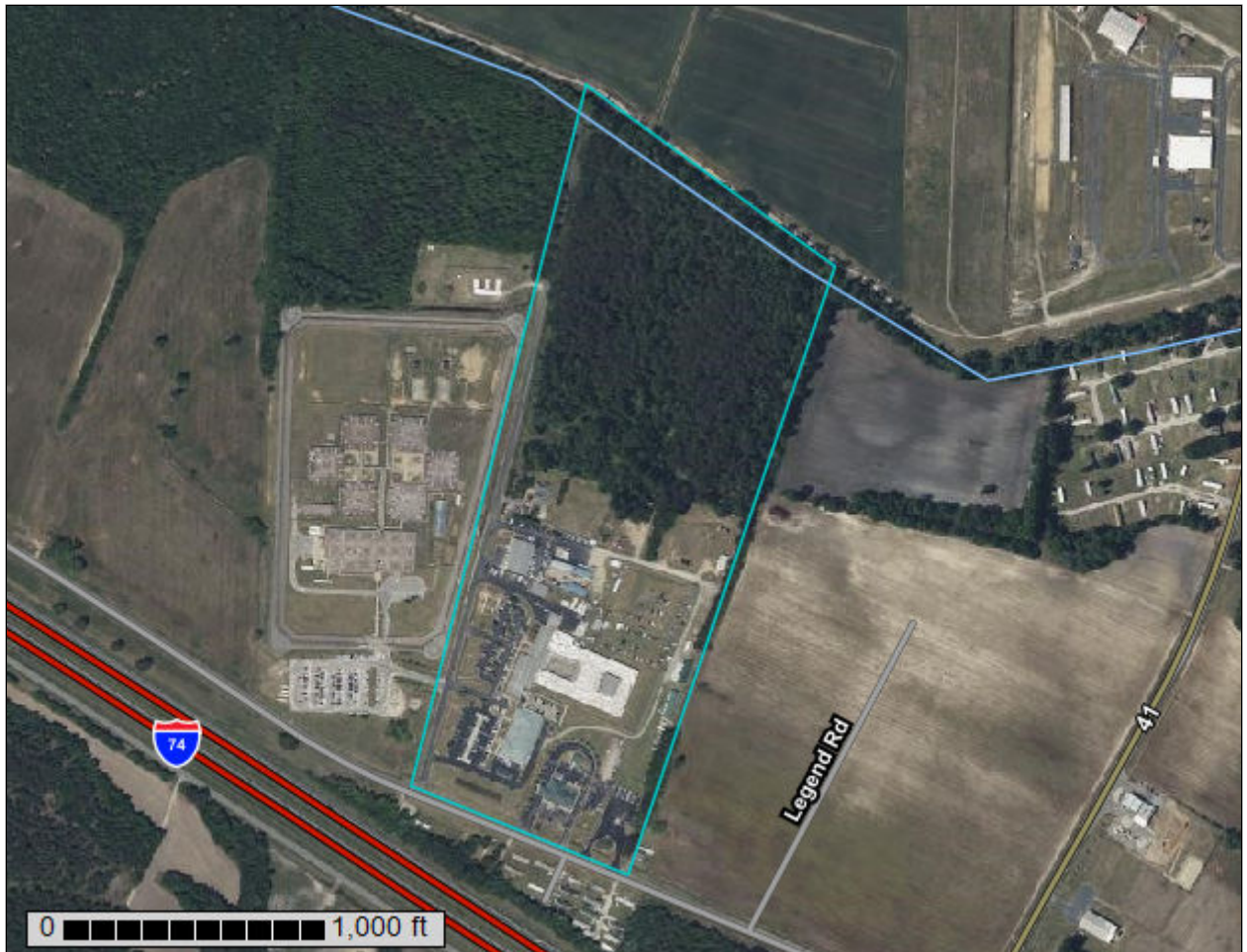
Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for Robeson County, North Carolina

Legend Road Water Tank

SUBJECT PROPERTY ALL



Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Contents

Preface	2
How Soil Surveys Are Made	5
Soil Map	8
Soil Map.....	9
Legend.....	10
Map Unit Legend.....	11
Map Unit Descriptions.....	11
Robeson County, North Carolina.....	13
FaB—Faceville fine sandy loam, 2 to 6 percent slopes.....	13
GoA—Goldsboro loamy sand, 0 to 2 percent slopes, Southern Coastal Plain.....	14
Lu—Lumbee sandy loam.....	15
NoA—Norfolk loamy sand, 0 to 2 percent slopes.....	16
NoB—Norfolk loamy sand, 2 to 6 percent slopes.....	17
Pm—Plummer and Osier soils.....	18
Pt—Portsmouth loam.....	19
Ra—Rains sandy loam, 0 to 2 percent slopes.....	21
WaB—Wagram loamy sand, 0 to 6 percent slopes.....	23
Soil Information for All Uses	25
Suitabilities and Limitations for Use.....	25
Building Site Development.....	25
Shallow Excavations (Legend Road Water Tank).....	25
References	32

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

Custom Soil Resource Report

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

Custom Soil Resource Report

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report Soil Map



Map Scale: 1:5,390 if printed on A portrait (8.5" x 11") sheet.


0 50 100 200 300 Meters

0 250 500 1000 1500 Feet

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84


MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)




















Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines


 Soil Map Unit Points

Special Point Features






-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features


Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Robeson County, North Carolina
 Survey Area Data: Version 21, Sep 12, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 17, 2022—May 20, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
FaB	Faceville fine sandy loam, 2 to 6 percent slopes	1.4	2.3%
GoA	Goldsboro loamy sand, 0 to 2 percent slopes, Southern Coastal Plain	0.9	1.5%
Lu	Lumbee sandy loam	4.6	7.7%
NoA	Norfolk loamy sand, 0 to 2 percent slopes	4.9	8.1%
NoB	Norfolk loamy sand, 2 to 6 percent slopes	0.3	0.5%
Pm	Plummer and Osier soils	7.3	12.1%
Pt	Portsmouth loam	20.9	34.7%
Ra	Rains sandy loam, 0 to 2 percent slopes	4.8	8.0%
WaB	Wagram loamy sand, 0 to 6 percent slopes	15.1	25.1%
Totals for Area of Interest		60.1	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas

Custom Soil Resource Report

are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Robeson County, North Carolina

FaB—Faceville fine sandy loam, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: 3vf4
Elevation: 80 to 330 feet
Mean annual precipitation: 38 to 55 inches
Mean annual air temperature: 59 to 70 degrees F
Frost-free period: 210 to 265 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Faceville and similar soils: 85 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Faceville

Setting

Landform: Ridges on marine terraces
Landform position (two-dimensional): Summit, shoulder
Landform position (three-dimensional): Crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Clayey marine deposits

Typical profile

Ap - 0 to 8 inches: fine sandy loam
E - 8 to 13 inches: fine sandy loam
Bt - 13 to 80 inches: clay

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 8.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: B
Hydric soil rating: No

GoA—Goldsboro loamy sand, 0 to 2 percent slopes, Southern Coastal Plain

Map Unit Setting

National map unit symbol: 2v750
Elevation: 130 to 270 feet
Mean annual precipitation: 40 to 55 inches
Mean annual air temperature: 59 to 70 degrees F
Frost-free period: 200 to 280 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Goldsboro and similar soils: 85 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Goldsboro

Setting

Landform: Broad interstream divides on marine terraces, flats on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loamy marine deposits

Typical profile

Ap - 0 to 9 inches: loamy sand
E - 9 to 12 inches: loamy sand
Bt - 12 to 62 inches: sandy clay loam
Btg - 62 to 80 inches: sandy clay loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.57 to 1.98 in/hr)
Depth to water table: About 24 to 36 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 8.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2w
Hydrologic Soil Group: B
Hydric soil rating: No

Lu—Lumbee sandy loam

Map Unit Setting

National map unit symbol: 3vfc
Elevation: 80 to 330 feet
Mean annual precipitation: 38 to 55 inches
Mean annual air temperature: 59 to 70 degrees F
Frost-free period: 210 to 265 days
Farmland classification: Prime farmland if drained

Map Unit Composition

Lumbee, drained, and similar soils: 85 percent
Lumbee, undrained, and similar soils: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Lumbee, Drained

Setting

Landform: Backswamps on stream terraces
Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Loamy alluvium over sandy alluvium

Typical profile

Ap - 0 to 6 inches: sandy loam
E - 6 to 14 inches: sandy loam
Btg - 14 to 36 inches: sandy clay loam
2Cg - 36 to 80 inches: loamy sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: 20 to 40 inches to strongly contrasting textural stratification
Drainage class: Poorly drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: About 0 to 12 inches
Frequency of flooding: Rare
Frequency of ponding: None
Available water supply, 0 to 60 inches: Low (about 4.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3w
Hydrologic Soil Group: B/D
Hydric soil rating: Yes

Description of Lumbee, Undrained

Setting

Landform: Backswamps on stream terraces

Custom Soil Resource Report

Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Loamy alluvium over sandy alluvium

Typical profile

Ap - 0 to 6 inches: sandy loam
E - 6 to 14 inches: sandy loam
Btg - 14 to 36 inches: sandy clay loam
2Cg - 36 to 80 inches: loamy sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: 20 to 40 inches to strongly contrasting textural stratification
Drainage class: Poorly drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: About 0 to 12 inches
Frequency of flooding: Rare
Frequency of ponding: Occasional
Available water supply, 0 to 60 inches: Low (about 4.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6w
Hydrologic Soil Group: B/D
Hydric soil rating: Yes

NoA—Norfolk loamy sand, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2v75w
Elevation: 10 to 330 feet
Mean annual precipitation: 40 to 55 inches
Mean annual air temperature: 59 to 70 degrees F
Frost-free period: 200 to 280 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Norfolk and similar soils: 83 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Norfolk

Setting

Landform: Flats on marine terraces, broad interstream divides on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Loamy marine deposits

Custom Soil Resource Report

Typical profile

Ap - 0 to 8 inches: loamy sand
E - 8 to 14 inches: loamy sand
Bt - 14 to 65 inches: sandy clay loam
BC - 65 to 80 inches: sandy clay loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.57 to 1.98 in/hr)
Depth to water table: About 40 to 72 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 6.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 1
Hydrologic Soil Group: A
Hydric soil rating: No

NoB—Norfolk loamy sand, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: 2v75y
Elevation: 30 to 450 feet
Mean annual precipitation: 40 to 55 inches
Mean annual air temperature: 59 to 70 degrees F
Frost-free period: 200 to 280 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Norfolk and similar soils: 83 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Norfolk

Setting

Landform: Flats on marine terraces, broad interstream divides on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Loamy marine deposits

Typical profile

Ap - 0 to 8 inches: loamy sand
E - 8 to 14 inches: loamy sand
Bt - 14 to 65 inches: sandy clay loam
BC - 65 to 80 inches: sandy clay loam

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.57 to 1.98 in/hr)
Depth to water table: About 40 to 72 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 6.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: A
Hydric soil rating: No

Pm—Plummer and Osier soils

Map Unit Setting

National map unit symbol: 3vfr
Elevation: 80 to 330 feet
Mean annual precipitation: 38 to 55 inches
Mean annual air temperature: 59 to 70 degrees F
Frost-free period: 210 to 265 days
Farmland classification: Not prime farmland

Map Unit Composition

Plummer, undrained, and similar soils: 40 percent
Osier, undrained, and similar soils: 30 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Plummer, Undrained

Setting

Landform: Depressions, drainageways, flats
Landform position (two-dimensional): Toeslope
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Loamy and sandy marine deposits

Typical profile

A - 0 to 9 inches: loamy sand
Eg - 9 to 50 inches: loamy sand
Btg - 50 to 80 inches: sandy loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Runoff class: Very high

Custom Soil Resource Report

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.20 to 1.98 in/hr)

Depth to water table: About 0 to 12 inches

Frequency of flooding: Very rare

Frequency of ponding: None

Available water supply, 0 to 60 inches: Low (about 4.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 4w

Hydrologic Soil Group: A/D

Hydric soil rating: Yes

Description of Osier, Undrained

Setting

Landform: Depressions, drainageways, flats

Landform position (two-dimensional): Toeslope

Down-slope shape: Concave

Across-slope shape: Concave

Parent material: Sandy fluviomarine deposits

Typical profile

A - 0 to 8 inches: loamy sand

Cg1 - 8 to 48 inches: loamy sand

Cg2 - 48 to 80 inches: coarse sand

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Poorly drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95 to 19.98 in/hr)

Depth to water table: About 0 to 12 inches

Frequency of flooding: FrequentNone

Frequency of ponding: None

Available water supply, 0 to 60 inches: Low (about 3.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 5w

Hydrologic Soil Group: A/D

Hydric soil rating: Yes

Pt—Portsmouth loam

Map Unit Setting

National map unit symbol: 3vfv

Elevation: 20 to 160 feet

Mean annual precipitation: 40 to 55 inches

Custom Soil Resource Report

Mean annual air temperature: 59 to 70 degrees F
Frost-free period: 200 to 280 days
Farmland classification: Prime farmland if drained

Map Unit Composition

Portsmouth, drained, and similar soils: 80 percent
Portsmouth, undrained, and similar soils: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Portsmouth, Drained

Setting

Landform: Flats on marine terraces, depressions on stream terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loamy fluviomarine deposits over sandy fluviomarine deposits

Typical profile

Ap - 0 to 12 inches: loam
Eg - 12 to 19 inches: loam
BEg - 19 to 23 inches: loam
Btg - 23 to 35 inches: sandy clay loam
BCg - 35 to 38 inches: sandy loam
2Cg1 - 38 to 48 inches: sand
2Cg2 - 48 to 80 inches: sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: 20 to 40 inches to strongly contrasting textural stratification
Drainage class: Very poorly drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: About 0 to 12 inches
Frequency of flooding: Rare
Frequency of ponding: None
Available water supply, 0 to 60 inches: Low (about 5.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3w
Hydrologic Soil Group: B/D
Hydric soil rating: Yes

Description of Portsmouth, Undrained

Setting

Landform: Depressions on stream terraces, flats on marine terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loamy fluviomarine deposits over sandy fluviomarine deposits

Typical profile

A - 0 to 12 inches: loam
Eg - 12 to 19 inches: loam
BEg - 19 to 23 inches: loam

Custom Soil Resource Report

Btg - 23 to 35 inches: sandy clay loam
BCg - 35 to 38 inches: sandy loam
2Cg1 - 38 to 48 inches: sand
2Cg2 - 48 to 80 inches: sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: 20 to 40 inches to strongly contrasting textural stratification
Drainage class: Very poorly drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: About 0 to 12 inches
Frequency of flooding: Rare
Frequency of ponding: Rare
Available water supply, 0 to 60 inches: Low (about 5.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6w
Hydrologic Soil Group: B/D
Hydric soil rating: Yes

Ra—Rains sandy loam, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2v760
Elevation: 30 to 330 feet
Mean annual precipitation: 40 to 55 inches
Mean annual air temperature: 59 to 70 degrees F
Frost-free period: 200 to 280 days
Farmland classification: Prime farmland if drained

Map Unit Composition

Rains, undrained, and similar soils: 58 percent
Rains, drained, and similar soils: 24 percent
Minor components: 8 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Rains, Undrained

Setting

Landform: Flats on marine terraces, broad interstream divides on marine terraces, carolina bays on marine terraces
Landform position (three-dimensional): Dip, talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loamy marine deposits

Custom Soil Resource Report

Typical profile

A - 0 to 6 inches: sandy loam
Eg - 6 to 12 inches: sandy loam
Btg - 12 to 65 inches: sandy clay loam
BCg - 65 to 80 inches: sandy clay loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.20 to 1.98 in/hr)
Depth to water table: About 0 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 7.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4w
Hydrologic Soil Group: A/D
Hydric soil rating: Yes

Description of Rains, Drained

Setting

Landform: Flats on marine terraces, broad interstream divides on marine terraces, carolina bays on marine terraces
Landform position (three-dimensional): Dip, talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loamy marine deposits

Typical profile

Ap - 0 to 6 inches: sandy loam
Eg - 6 to 12 inches: sandy loam
Btg - 12 to 65 inches: sandy clay loam
BCg - 65 to 80 inches: sandy clay loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.20 to 1.98 in/hr)
Depth to water table: About 12 to 36 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 7.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3w
Hydrologic Soil Group: B
Hydric soil rating: Yes

Minor Components

Pantego, undrained

Percent of map unit: 8 percent
Landform: Broad interstream divides, flats, stream terraces
Landform position (three-dimensional): Tread, talf
Down-slope shape: Linear
Across-slope shape: Concave
Hydric soil rating: Yes

WaB—Wagram loamy sand, 0 to 6 percent slopes

Map Unit Setting

National map unit symbol: 3vg3
Elevation: 80 to 330 feet
Mean annual precipitation: 38 to 55 inches
Mean annual air temperature: 59 to 70 degrees F
Frost-free period: 210 to 265 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Wagram and similar soils: 90 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Wagram

Setting

Landform: Ridges on marine terraces, broad interstream divides on marine terraces
Landform position (two-dimensional): Summit, shoulder
Landform position (three-dimensional): Crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy marine deposits

Typical profile

Ap - 0 to 8 inches: loamy sand
E - 8 to 24 inches: loamy sand
Bt - 24 to 75 inches: sandy clay loam
BC - 75 to 83 inches: sandy loam

Properties and qualities

Slope: 0 to 6 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)

Custom Soil Resource Report

Depth to water table: About 60 to 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water supply, 0 to 60 inches: Moderate (about 6.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2s

Hydrologic Soil Group: A

Hydric soil rating: No

Minor Components

Bibb, undrained

Percent of map unit: 3 percent

Landform: Flood plains

Landform position (two-dimensional): Toeslope

Down-slope shape: Concave

Across-slope shape: Linear

Hydric soil rating: Yes

Johnston, undrained

Percent of map unit: 2 percent

Landform: Flood plains

Down-slope shape: Concave

Across-slope shape: Linear

Hydric soil rating: Yes

Soil Information for All Uses

Suitabilities and Limitations for Use

The Suitabilities and Limitations for Use section includes various soil interpretations displayed as thematic maps with a summary table for the soil map units in the selected area of interest. A single value or rating for each map unit is generated by aggregating the interpretive ratings of individual map unit components. This aggregation process is defined for each interpretation.

Building Site Development

Building site development interpretations are designed to be used as tools for evaluating soil suitability and identifying soil limitations for various construction purposes. As part of the interpretation process, the rating applies to each soil in its described condition and does not consider present land use. Example interpretations can include corrosion of concrete and steel, shallow excavations, dwellings with and without basements, small commercial buildings, local roads and streets, and lawns and landscaping.

Shallow Excavations (Legend Road Water Tank)

Shallow excavations are trenches or holes dug to a maximum depth of 5 or 6 feet for graves, utility lines, open ditches, or other purposes. The ratings are based on the soil properties that influence the ease of digging and the resistance to sloughing. Depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, the amount of large stones, and dense layers influence the ease of digging, filling, and compacting. Depth to the seasonal high water table, flooding, and ponding may restrict the period when excavations can be made. Slope influences the ease of using machinery. Soil texture, depth to the water table, and linear extensibility (shrink-swell potential) influence the resistance to sloughing.

The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect the specified use. "Not limited" indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. "Somewhat limited" indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate

Custom Soil Resource Report

maintenance can be expected. "Very limited" indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

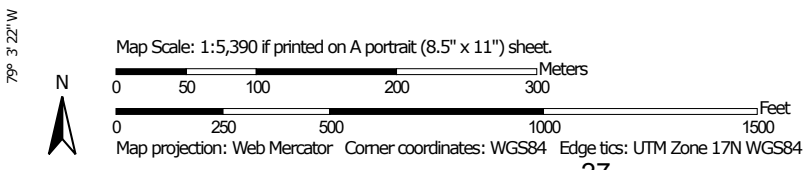
Numerical ratings indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The map unit components listed for each map unit in the accompanying Summary by Map Unit table in Web Soil Survey or the Aggregation Report in Soil Data Viewer are determined by the aggregation method chosen. An aggregated rating class is shown for each map unit. The components listed for each map unit are only those that have the same rating class as listed for the map unit. The percent composition of each component in a particular map unit is presented to help the user better understand the percentage of each map unit that has the rating presented.





















Other components with different ratings may be present in each map unit. The ratings for all components, regardless of the map unit aggregated rating, can be viewed by generating the equivalent report from the Soil Reports tab in Web Soil Survey or from the Soil Data Mart site. Onsite investigation may be needed to validate these interpretations and to confirm the identity of the soil on a given site.

Custom Soil Resource Report

Map—Shallow Excavations (Legend Road Water Tank)



MAP LEGEND

- Area of Interest (AOI)**
 -  Area of Interest (AOI)
- Background**
 -  Aerial Photography
- Soils**
 - Soil Rating Polygons**
 -  Very limited
 -  Somewhat limited
 -  Not limited
 -  Not rated or not available
 - Soil Rating Lines**
 -  Very limited
 -  Somewhat limited
 -  Not limited
 -  Not rated or not available
 - Soil Rating Points**
 -  Very limited
 -  Somewhat limited
 -  Not limited
 -  Not rated or not available
- Water Features**
 -  Streams and Canals
- Transportation**
 -  Rails
 -  Interstate Highways
 -  US Routes
 -  Major Roads
 -  Local Roads

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Robeson County, North Carolina
 Survey Area Data: Version 21, Sep 12, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 17, 2022—May 20, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Custom Soil Resource Report

Tables—Shallow Excavations (Legend Road Water Tank)

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
FaB	Faceville fine sandy loam, 2 to 6 percent slopes	Somewhat limited	Faceville (85%)	Too clayey (0.13)	1.4	2.3%
				Dusty (0.04)		
				Unstable excavation walls (0.01)		
GoA	Goldsboro loamy sand, 0 to 2 percent slopes, Southern Coastal Plain	Very limited	Goldsboro (85%)	Depth to saturated zone (1.00)	0.9	1.5%
				Unstable excavation walls (0.01)		
Lu	Lumbee sandy loam	Very limited	Lumbee, drained (85%)	Depth to saturated zone (1.00)	4.6	7.7%
				Dusty (0.02)		
				Unstable excavation walls (0.01)		
			Lumbee, undrained (15%)	Ponding (1.00)		
				Depth to saturated zone (1.00)		
				Dusty (0.02)		
				Unstable excavation walls (0.01)		
NoA	Norfolk loamy sand, 0 to 2 percent slopes	Somewhat limited	Norfolk (83%)	Depth to saturated zone (0.61)	4.9	8.1%
				Unstable excavation walls (0.01)		
NoB	Norfolk loamy sand, 2 to 6 percent slopes	Somewhat limited	Norfolk (83%)	Depth to saturated zone (0.61)	0.3	0.5%
				Unstable excavation walls (0.01)		
Pm	Plummer and Osier soils	Very limited	Plummer, undrained (40%)	Depth to saturated zone (1.00)	7.3	12.1%
				Unstable excavation walls (0.07)		

Custom Soil Resource Report

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
			Osier, undrained (30%)	Depth to saturated zone (1.00) Flooding (0.80) Unstable excavation walls (0.07)		
Pt	Portsmouth loam	Very limited	Portsmouth, drained (80%)	Depth to saturated zone (1.00) Dusty (0.06) Unstable excavation walls (0.01)	20.9	34.7%
			Portsmouth, undrained (10%)	Depth to saturated zone (1.00) Dusty (0.06) Unstable excavation walls (0.01)		
Ra	Rains sandy loam, 0 to 2 percent slopes	Very limited	Rains, undrained (58%)	Depth to saturated zone (1.00) Unstable excavation walls (0.01) Dusty (0.01)	4.8	8.0%
			Rains, drained (24%)	Depth to saturated zone (1.00) Unstable excavation walls (0.01) Dusty (0.01)		
			Pantego, undrained (8%)	Ponding (1.00) Depth to saturated zone (1.00) Dusty (0.04) Unstable excavation walls (0.01)		
WaB	Wagram loamy sand, 0 to 6 percent slopes	Somewhat limited	Wagram (90%)	Unstable excavation walls (0.01)	15.1	25.1%
Totals for Area of Interest					60.1	100.0%

Custom Soil Resource Report

Rating	Acres in AOI	Percent of AOI
Very limited	38.5	64.0%
Somewhat limited	21.6	36.0%
Totals for Area of Interest	60.1	100.0%

Rating Options—Shallow Excavations (Legend Road Water Tank)

Aggregation Method: Dominant Condition

Aggregation is the process by which a set of component attribute values is reduced to a single value that represents the map unit as a whole.

A map unit is typically composed of one or more "components". A component is either some type of soil or some nonsoil entity, e.g., rock outcrop. For the attribute being aggregated, the first step of the aggregation process is to derive one attribute value for each of a map unit's components. From this set of component attributes, the next step of the aggregation process derives a single value that represents the map unit as a whole. Once a single value for each map unit is derived, a thematic map for soil map units can be rendered. Aggregation must be done because, on any soil map, map units are delineated but components are not.

For each of a map unit's components, a corresponding percent composition is recorded. A percent composition of 60 indicates that the corresponding component typically makes up approximately 60% of the map unit. Percent composition is a critical factor in some, but not all, aggregation methods.

The aggregation method "Dominant Condition" first groups like attribute values for the components in a map unit. For each group, percent composition is set to the sum of the percent composition of all components participating in that group. These groups now represent "conditions" rather than components. The attribute value associated with the group with the highest cumulative percent composition is returned. If more than one group shares the highest cumulative percent composition, the corresponding "tie-break" rule determines which value should be returned. The "tie-break" rule indicates whether the lower or higher group value should be returned in the case of a percent composition tie. The result returned by this aggregation method represents the dominant condition throughout the map unit only when no tie has occurred.

Component Percent Cutoff: None Specified

Components whose percent composition is below the cutoff value will not be considered. If no cutoff value is specified, all components in the database will be considered. The data for some contrasting soils of minor extent may not be in the database, and therefore are not considered.

Tie-break Rule: Higher

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.

References

- American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.
- American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.
- Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.
- Federal Register. July 13, 1994. Changes in hydric soils of the United States.
- Federal Register. September 18, 2002. Hydric soils of the United States.
- Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.
- National Research Council. 1995. Wetlands: Characteristics and boundaries.
- Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262
- Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577
- Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580
- Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.
- United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.
- United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374
- United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084>

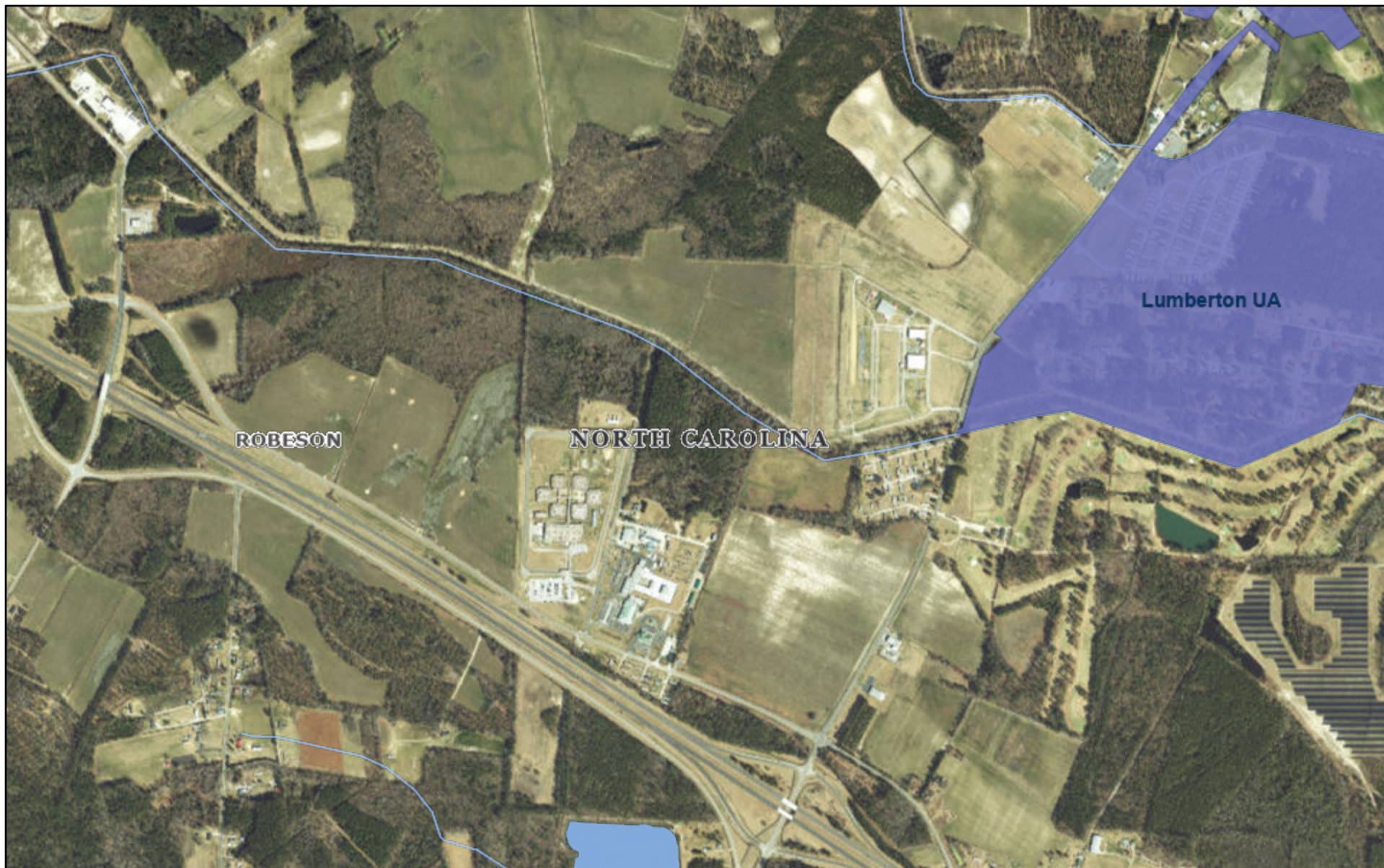
Custom Soil Resource Report

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624

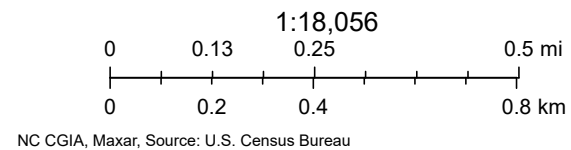
United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf

Legend Road Water Tank - TIGERweb Urban Areas



August 24, 2023

Counties 2020 Urban Areas Counties
States 2020 Urban Areas States



ATTACHMENT 10

**EO 11988 Floodplain Management and EO
11990 Wetlands Protection Determination**

Legend Road Water Tank Project

EO 11988 Floodplain Management and EO 11990 Protection of Wetlands Determination Infrastructure Recovery Program

February 9, 2024

Introduction & Overview

The purpose of Executive Order (EO) 11988 Floodplain Management is “to avoid to the extent possible the long- and short-term adverse impacts associated with occupancy and modification of floodplains and to avoid direct or indirect support of floodplain development wherever there is a practicable alternative.” The purpose of EO 11990 Protection of Wetlands is “to avoid to the extent possible the long- and short-term adverse impacts associated with the destruction or modification of wetlands and to avoid direct or indirect support of new construction in wetlands wherever there is a practicable alternative.” This determination contains the analysis prescribed by 24 CFR Part 55.

The North Carolina Office of Recovery and Resiliency (NCORR) has received an application from Robeson County to use U.S. Department of Housing and Urban Development (HUD) Community Development Block Grant – Mitigation (CDBG-MIT) funding under 24 CFR 58 from the Infrastructure Recovery Program to implement the Legend Road Water Tank Project (“proposed action”) located at 176 Legend Road, Lumberton, Robeson County, NC 28358. The analysis that follows focuses on floodplain and wetland impacts, as there are incidental floodplain and wetland areas located on the Subject Property. Based on the proposed activities, type of land use, necessity, design, and other case characteristics described herein, it is concluded that there is a reasonable basis to proceed with funding for this proposed action within a floodplain and wetland. The CDBG-MIT funding is administered through the NCORR Infrastructure Recovery Program which is developing sustainable and resilient communities. Thus, alternatives preventing or impeding the development of sustainable and resilient communities are not considered reasonable alternatives.

Description of Proposed Action & Land Use

The State of North Carolina was adversely impacted by the landfall of Hurricanes Matthew (October 8, 2016) and Florence (September 14, 2018). During the Hurricane Matthew storm event, water delivery systems throughout Robeson County were adversely impacted by widespread outages, particularly the public facilities located along Legend and Sanchez Roads. The public facilities served by this proposed action include the Robeson County Emergency Operations Center, Sheriff’s Office and Jail, EMS, Water Department, and Public Utilities buildings and the adjacent NC Department of Corrections’ Lumberton Correctional Institution. During and immediately following the storm event, potable water had to be transported to these facilities, both by truck and through individual bottled servings. The NC Department of Environmental Quality (DEQ) Division of Water Resources’ (DWR) Public Water Supply (PWS) section requires all water systems to maintain a minimum pressure of 30 psi for normal conditions and 20 psi for fire flow. These numbers are attainable with the proposed action’s installation of an elevated water storage tank on this parcel containing the water treatment plant and in close proximity of these Robeson County public facilities and the adjacent NC Department of Corrections’ Lumberton Correctional Institution. It is critical for public health and safety that these facilities, including the Emergency Operations Center, have adequate water supply during emergencies and future storm events. This proposed action will construct a 500,000-gallon elevated water storage tank, altitude valve vault, fire hydrant, water mains, gravel access drive, and associated improvements to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events. The County has selected the proposed action to assist its residents, employees, and community to be protected from water service

interruptions at this location during future storm events which can also adversely impact operations at the Emergency Operations Center during critical times. Therefore, funding for the proposed action will be provided in part by the HUD CDBG-MIT North Carolina Infrastructure Recovery Program for Hurricanes Matthew and Florence storm recovery activities in North Carolina.

This proposed action will utilize HUD CDBG-MIT funding to construct a 500,000-gallon elevated water storage tank, altitude valve vault, fire hydrant, water mains, gravel access drive, and associated improvements to prevent future water service interruptions as experienced during Hurricane Matthew. The proposed action's installation of an elevated water storage tank in the vicinity of the Robeson County Emergency Operations Center, Sheriff's Office and Jail, Emergency Medical Services (EMS), Water Department, and Public Utilities buildings will avoid water pressure loss at these County public facilities and the adjacent NC Department of Corrections' Lumberton Correctional Institution. The proposed action includes procurement of architectural and engineering services, soils testing, boundary surveys, and construction of improvements. Construction will involve extensive land clearing and excavation, trenching, placement of concrete foundations, installation of a 500,000-gallon elevated water storage tank and piping, and connections to the existing 12-inch water main on Legend Road and the existing 8-inch water main that ties into Sanchez Road. The foundations shall be a mat or ring wall foundation with a depth not to exceed 10 feet below finish grade or pilings to a depth of not more than 65 feet. Two hundred feet of ductile iron pipe with neoprene gaskets will be installed where the water main passes within 100 feet of an existing underground fuel storage tank. Two 6-inch steel bollards will be installed at the proposed fire hydrant. There is an existing chain link fence and gate around the proposed action development area where the elevated water storage tank, altitude valve vault and gravel access drive will be located. An 8-inch to 12-inch PVC water main, associated valves and a fire hydrant will be installed in the paved parking area and gravel driveway/unnamed road running east-west to Legend Road between the fenced-in proposed tank and existing Sanchez Drive Water Treatment Plant and the Public Utilities buildings and Robeson County Ambulance Service/ EMS. There will be an estimated 0.20 acre of ground disturbance for the proposed action.

The proposed action will not result in direct impacts to 100-year floodplain or wetlands.

Applicable Regulatory Procedure Per EO 11988 and EO 11990

The proposed action corresponds with a noncritical action not excluded under 24 CFR §55.12. Funding is permissible for use at a parcel with incidental floodplain and wetland if the proposed action is processed under §55.20 and the findings of the determination are affirmative to suggest that the project may proceed.

In accordance with 24 CFR 55, the proposed action involves installation of an elevated water storage tank, altitude valve vault fire hydrant, water mains, gravel access drive, and associated improvements in the City of Lumberton, North Carolina (370203K) which is a participating community in good standing in the regular program of the National Flood Insurance Program (NFIP). Substantial Improvement/ Substantial Damage calculations do not apply to this proposed action of new construction. Based on the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) panel 3710938000K, effective 12/6/2019, and Preliminary FIRM (PFIRM) dated 8/29/2014, the proposed action development area is located in Zone X, outside of a Special Flood Hazard Area (SFHA). However, the Subject Property contains incidental floodplain (**Appendix 1**). As such, the full eight-step floodplain determination process in §55.20 is required, and the following analysis examines each step in an EO 11988 Floodplain Management Determination process.

Based on information from the U.S Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI) Map, there will be “new construction” on a parcel containing incidental wetlands (**Appendix 1**). Based on the USFWS NWI map, site visit, and U.S. Army Corps of Engineers (USACE) correspondence, the proposed action development area is not located in or adjacent to a wetland or riverine. However, the Subject Property does contain incidental wetlands. Due to the use of HUD funds, compliance with EO 11990 through completion of the eight-step process under 24 CFR 55.20 is required for projects with potential wetland impacts. Thus, in accordance with the decision-making process set forth in 24 CFR Part 55, the following analysis examines each step in an EO 11990 Protection of Wetlands Determination process.

Step 1. Determine Whether the Proposed Action is Located in the 100-year Floodplain (500-year for Critical Actions) or results in New Construction in Wetlands.

Based on the FEMA FIRM panel 3710938000K effective on 12/6/2019 and PFIRM dated 8/29/2014, the proposed action development area is located in Zone X, outside of a SFHA (**Appendix 1**). This 60.96-acre County-owned parcel contains approximately 38.21 acres of 500-year floodplain and 0.61 acre of 100-year floodplain (Zone AE). There is no FEMA-designated regulatory floodway on the Subject Property. The proposed action’s limit of disturbance (LOD) will occur approximately 50 feet from the 500-year floodplain, 0.24-mile from 100-year floodplain (Zone AE), and 0.25-mile from floodway (off-site). The proposed action will not result in any direct or indirect impacts to 500-year floodplain, 100-year floodplain or floodway. The proposed action involves installing an elevated water storage tank, altitude valve vault, water mains, and associated improvements. These are not insurable structures according to the NFIP Flood Insurance Manual effective October 1, 2022, and they are located in Zone X. Therefore, flood insurance is not required for the proposed action. As such, the full eight-step floodplain determination process in §55.20 is required, and the following analysis examines each step in an EO 11988 Floodplain Management Determination process.

There are USFWS NWI-mapped riverines and potential wetlands located on the Subject Property. Based on the USFWS NWI map, site visit, and USACE correspondence, the proposed action development area is not located in or adjacent to a wetland or riverine. The closest onsite USFWS NWI-mapped riverine (R5UBH) and potential wetland is approximately 250 feet northwest from the proposed action’s LOD. Another NWI-mapped riverine (R4SBC) and potential wetland connects north to Little Jacob Swamp. These potential wetland areas encompass approximately 5 acres of the Subject Property. The Little Jacob Swamp riverine is located north of the parcel boundary approximately 0.25-mile from the proposed action’s LOD and will not be adversely impacted by the proposed action. Therefore, the full eight-step wetlands determination process in §55.20 is required, and the following analysis examines each step in an EO 11990 Protection of Wetlands Determination process.

The proposed action will comply with all applicable federal, State and local laws, regulations, and permit requirements and conditions. According to the USACE and NC DWR, there are no NC DWR buffers and Clean Water Act Section 404 and 401 permits are not required. Best management practices for erosion and sedimentation control such as silt fencing will be utilized during construction to prevent off-site sedimentation impacts and native plants used in site restoration. According to the NC DEQ Division of Energy, Mineral, and Land Resources (DEMLR) comment, “the project is less than one acre and will not require a Sedimentation and Erosion Control Plan nor coverage under the NPDES Construction Stormwater General Permit NCG010000.” However, Robeson County and/or its contractors shall install and maintain appropriate sedimentation and erosion control measures per the Sedimentation Pollution Control Act to prevent off-site sedimentation impacts (*see Attachment 20: SCH Draft EA Comments in the Legend Road Water Tank Project Environmental Assessment [EA] environmental review record [ERR]*). All necessary

permits will be identified and obtained prior to commencing work and appended to the *Legend Road Water Tank Project EA ERR* when received from the permitting agencies.

Step 2. Initiate Public Notice for Early Review of Proposal.

Because the proposed action is located on a parcel containing floodplain and wetlands, NCORR published an “Early Notice” and posted supporting documentation that allowed for public and agency input on the decision to provide funding for construction and development activities. Supporting documentation incorporated into the Early Notice (“Early Notice Floodplain and Wetlands Maps”) was posted for public review to the NCORR ReBuild NC website at <https://www.rebuild.nc.gov/about/plans-policies-reports/environmental-reviews> and included the proposed action location maps showing parcel boundary; Robeson County parcel information; site plans; FEMA FIRM and Preliminary FIRM showing parcel boundary, distance and total acreage; NFIP Community Status Book Report; USFWS NWI Maps showing parcel boundary, distance and total acreage; USACE LIDAR map; USACE and NC DWR correspondence; and other documentation. The early public notice and 15-day comment period is complete. No new, substantive public comments were received.

The Early Notice and corresponding 15-day public comment period started on January 20, 2024 with the "*Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland*" being published in The Robesonian newspaper, with the 15-day period expiring on February 5, 2024. The notice targeted local residents within the community. The Early Notice was also posted to the NCORR ReBuild NC website at <https://www.rebuild.nc.gov/about/plans-policies-reports/environmental-reviews> and sent via Federal Express and email to the following federal and State agencies on January 20, 2024: HUD NC Field Office; Federal Emergency Management Agency (FEMA); U.S. Environmental Protection Agency (EPA); USFWS; USACE; and NC State Environmental Clearinghouse. The Early Notice was also sent to Robeson County and the City of Lumberton. Project information was sent to the NC State Historic Preservation Office (SHPO) and Catawba Indian Nation for review and comment under Section 106 of the National Historic Preservation Act of 1966 (NHPA) and a project notification letter was sent to the Lumbee Tribe of North Carolina (*see Legend Road Water Tank Project EA ERR*). (*See Appendix 2* for the Early Notice distributed to these agencies, the newspaper publication affidavit, and distribution documentation).

Step 3. Identify and Evaluate Practicable Alternatives to Locating the Proposed Action in a 100-year Floodplain or Wetland.

The North Carolina Infrastructure Recovery Program empowers the State’s most impacted communities with the technical expertise needed to develop thorough and implementable reconstruction plans to build physically, socially, and economically resilient and sustainable communities.

The North Carolina Resilient Redevelopment Planning (NCRRP) program as part of the 2016 Disaster Recovery Act relied upon stakeholder engagement and public involvement as an essential component. Meetings were held on strategies for resilient redevelopment in Robeson County with local officials on March 2, March 23, and April 17, 2017. Each meeting incorporated a public open house and an in-depth working session with county officials, subject matter experts, and county and municipal planners (Hurricane Matthew Resilient Redevelopment Plan - Robeson County [HMRRP-RC] dated May 2017, pg. 1-3). North Carolina Emergency Management (NCEM) utilized data, resources, and technical expertise from State agencies, the private sector, and the University of North Carolina system to determine innovative best practice strategies (HMRRP-RC, pg. 1-4). According to the HMRRP-RC, the “Robeson County Water System, add Elevated Water Tank” project (proposed action) was identified as a high priority infrastructure strategy with a #1 overall ranking according to the HMRRP-RC (pg. 4-1).

The Subject Property was chosen as ideal because it is currently County-owned and is located close to the existing water treatment plant and the Robeson County government complex enabling the water system to maintain a minimum pressure of 30 psi for normal conditions and 20 psi for fire flow which is a NC DWR PWS section requirement. The Robeson County government complex was crippled by water service interruptions during Hurricane Matthew including the Robeson County Emergency Operations Center, Sheriff's Office and Jail, EMS, Water Department, and Public Utilities buildings, and the adjacent NC Department of Corrections' Lumberton Correctional Institution. The location was shown in the HMRRP-RC along Sanchez Drive closer to the Robeson County Water Department (pg. 4-32). However, its current proposed location provides adequate space and close proximity to the Sanchez Drive Water Treatment Plant. The elevated water storage tank, altitude valve vault, outlet structure, gravel access drive, water main, and associated piping and improvements will be constructed on a previously-cleared, fenced-in portion of this large County parcel situated east of the Methodist Home for Children's parcel and north of several Robeson County public facilities. The proposed action development area that is fenced-in currently contains the existing well, aeration basin, high service pumps, equalization basin, generator, and water treatment plant. An 8-inch to 12-inch PVC water main, associated valves and a fire hydrant will be installed in the paved parking area and gravel driveway/unnamed road running east-west to Legend Road between the fenced-in proposed tank and Sanchez Drive Water Treatment Plant and the Public Utilities buildings and Robeson County Ambulance Service/ EMS. The proposed action development area is located outside of wetland and floodplain in a fenced-in area with easy connections to existing water mains. In addition, since the County currently owns this parcel, no real property acquisition is required. The proposed action's designs have been completed in accordance with agency input to minimize impacts to the floodplain, wetlands, environment and community. The County has selected the proposed action to assist its residents, employees, and community to be protected from water service interruptions at this location during future storm events which can also adversely impact operations at the Emergency Operations Center during critical times. There were no additional alternatives, other than "No Action" Alternative, for the proposed action.

The "No Action" Alternative is not considered feasible since continuous water service to the Robeson County government complex is essential for operations and public health and safety. The Hurricane Matthew storm event caused water delivery systems throughout Robeson County to be adversely impacted by widespread outages, particularly the public facilities located along Legend and Sanchez Roads. The public facilities served by this proposed action include the Robeson County Emergency Operations Center, Sheriff's Office and Jail, EMS, Water Department, and Public Utilities buildings and the adjacent NC Department of Corrections' Lumberton Correctional Institution. During and immediately following the storm event, potable water had to be transported to these facilities, both by truck and through individual bottled servings. It is critical for public health and safety that these facilities have adequate water supply during emergencies and future storm events. In addition, water pressure loss can adversely impact operations at the Emergency Operations Center during critical times. This proposed action will construct a 500,000-gallon elevated water storage tank, altitude valve vault, fire hydrant, water mains, gravel access drive, and associated improvements on a County-owned parcel to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events. There is no identifiable benefit from not completing the proposed action. The "No Action" Alternative would provide no protection to these facilities from water service interruptions during future storm events. Thus, the "No Action" Alternative is not feasible in relation to the desired objective of increasing resiliency in Robeson County from future storm events.

The above-identified alternatives will be re-evaluated in response to public comments received.

Step 4. Identify and Evaluate Potential Direct and Indirect Impacts Associated with the Occupancy or Modification of 100-year Floodplain and Wetland and the Potential Direct and Indirect Support of Floodplain and Wetland Development that Could Result from Proposed Action.

The focus of floodplain evaluation should be on adverse impacts to lives and property, and on natural and beneficial floodplain values. Natural and beneficial values include consideration of potential for adverse impacts on water resources such as natural moderation of floods, water quality maintenance, and groundwater recharge.

According to the FEMA Report - A Unified National Program for Floodplain Management, the two definitions commonly used in evaluating actions in floodplain are “structural” and “non-structural” activities. Per the report, structural activity is usually intended to mean adjustments that modify the behavior of floodwaters through the use of measures such as public works dams, levees, and channel work. Non-structural is usually intended to include all other adjustments (e.g., regulations, insurance, etc.) in the way society acts when occupying or modifying a floodplain. These definitions are used in describing impacts that may arise in association with potential advancement of this case.

Natural Moderation of Floods, Water Quality Maintenance, and Groundwater Recharge

Natural floodplains and wetlands provide natural moderation of floods and flood risk reduction benefits by slowing runoff and storing flood water. Based on the FEMA FIRM panel 3710938000K effective on 12/6/2019 and PFIRM dated 8/29/2014, the proposed action development area is located in Zone X, outside of a SFHA. This 60.96-acre County-owned parcel contains approximately 38.21 acres of 500-year floodplain and 0.61 acre of 100-year floodplain. There is no FEMA-designated regulatory floodway on the Subject Property. The proposed action’s LOD will occur approximately 50 feet from the 500-year floodplain, 0.24-mile from 100-year floodplain (Zone AE), and 0.25-mile from floodway (off-site). There has been previous, significant site modification including fill and development for the existing fenced-in water treatment plant and roads where site disturbance is planned. Thus, there will be no direct modification or construction in floodplain or SFHA. The proposed action will not result in any direct or indirect impacts to wetlands, 500-year floodplain, 100-year floodplain or floodway.

Natural floodplains and wetlands provide important functions for water quality maintenance and groundwater recharge. The proposed action’s designs have been completed in accordance with agency input to minimize impacts to the floodplain, wetlands, environment and community. The proposed action will comply with all applicable federal, State and local laws, regulations, and permit requirements and conditions. According to the USACE and NC DWR, there are no NC DWR buffers and Clean Water Act Section 404 and 401 permits are not required. Best management practices for erosion and sedimentation control such as silt fencing will be utilized during construction to prevent off-site sedimentation impacts and native plants used in site restoration. According to the NC DEQ DEMLR comment, “the project is less than one acre and will not require a Sedimentation and Erosion Control Plan nor coverage under the NPDES Construction Stormwater General Permit NCG010000.” However, Robeson County and/or its contractors shall install and maintain appropriate sedimentation and erosion control measures per the Sedimentation Pollution Control Act to prevent off-site sedimentation impacts (*see Attachment 20: SCH Draft EA Comments in the Legend Road Water Tank Project EA ERR*). All necessary permits will be identified and obtained prior to commencing work and appended to the *Legend Road Water Tank Project EA ERR* when received from the permitting agencies. Due to current land use and conditions, design plans, and BMPs, the proposed action is not anticipated to have an adverse effect on the floodplain or wetlands including their ability to provide natural moderation of floods, water quality maintenance, and groundwater recharge.

Living Resources such as Flora and Fauna

For this proposed action, the USFWS Raleigh Ecological Services' online 10-step project review process was completed. There will be *no tree clearing* to affect any potential habitat for the Tricolored Bat, Red-cockaded Woodpecker, and Wood Stork. The proposed action's development area does not include suitable habitat for the American Alligator. Due to regular mowing, habitat at the proposed action's development area is considered poor to unsuitable for Monarch Butterflies and Michaux's Sumac. The proposed action was determined to have "no effect" on the proposed, threatened, endangered, or candidate species and proposed or designated critical habitat under USFWS jurisdiction, and a "no Eagle Act permit required" determination for the Bald Eagle. A self-certification letter and online project review certification package were completed and submitted to the USFWS Raleigh Field Office (FO) on May 24, 2023. (See **Attachment 8** in the *Legend Road Water Tank Project EA ERR* for full details.)

The proposed action's designs have been completed in accordance with agency input to minimize impacts to the floodplain, wetlands, environment and community. The proposed action will comply with all applicable federal, State and local laws, regulations, and permit requirements and conditions. According to the USACE and NC DWR, there are no NC DWR buffers and Clean Water Act Section 404 and 401 permits are not required. Best management practices for erosion and sedimentation control such as silt fencing will be utilized during construction to prevent off-site sedimentation impacts and native plants used in site restoration. According to the NC DEQ DEMLR comment, "the project is less than one acre and will not require a Sedimentation and Erosion Control Plan nor coverage under the NPDES Construction Stormwater General Permit NCG010000." However, Robeson County and/or its contractors shall install and maintain appropriate sedimentation and erosion control measures per the Sedimentation Pollution Control Act to prevent off-site sedimentation impacts (see **Attachment 20**: SCH Draft EA Comments in the *Legend Road Water Tank Project EA ERR*). All necessary permits will be identified and obtained prior to commencing work and appended to the *Legend Road Water Tank Project EA ERR* when received from the permitting agencies. The proposed action has been determined to have "no effect" on proposed, threatened, endangered, or candidate species and proposed or designated critical habitat. Thus, as designed, the proposed action will have no or minimal impacts to living resources, such as flora and fauna, during construction and operation as an elevated water storage tank system.

Impacts to Property and Lives

The State of North Carolina was adversely impacted by the landfall of Hurricanes Matthew (October 8, 2016) and Florence (September 14, 2018). During the Hurricane Matthew storm event, water delivery systems throughout Robeson County were adversely impacted by widespread outages, particularly the public facilities located along Legend and Sanchez Roads. The public facilities served by this project include the Robeson County Emergency Operations Center, Sheriff's Office and Jail, EMS, Water Department, and Public Utilities buildings and the adjacent NC Department of Corrections' Lumberton Correctional Institution. During and immediately following the storm event, potable water had to be transported to these facilities, both by truck and through individual bottled servings. The NC DWR's PWS section requires all water systems to maintain a minimum pressure of 30 psi for normal conditions and 20 psi for fire flow. These numbers are attainable with the proposed action's installation of an elevated water storage tank on this parcel containing the water treatment plant and in close proximity of these Robeson County public facilities and Lumberton Correctional Institution. It is critical for public health and safety that these facilities have adequate water supply during emergencies and future storm events.

This proposed action will construct a 500,000-gallon elevated water storage tank, altitude valve vault, fire hydrant, water mains, gravel access drive, and associated improvements to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events. The proposed action is necessary to have optimally functioning public facilities, including the Robeson County Emergency Operations Center, during and after future storm events. The Robeson County Emergency Operations Center hosts County officials and State and federal agencies working towards a fast and effective recovery following storm events. The proposed action will ensure emergency personnel have a continuous potable water supply during critical times which will benefit emergency operations throughout the community. The proposed action will enable the Emergency Operations Center and other facilities, such as the Robeson County Ambulance Service/ EMS, to maintain water pressure which will allow for uninterrupted operations during and in the aftermath of future storm events for the benefit of the entire County population. The County has selected the proposed action to assist its residents, employees, and community to be protected from water service interruptions at this location during future storm events which can also adversely impact operations at the Emergency Operations Center during critical times. Therefore, the proposed action is not anticipated to have adverse impacts to property and lives, but rather aims to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events in effect protecting the public health and safety of the residents, employees and entire County population.

Cultural Resources such as Archaeological, Historic and Recreational Aspects

Based on the site visit and National Register of Historic Places (NRHP) and NC SHPO HPOWEB maps review, there are no publicly recorded historic properties which are locally designated or listed in or eligible for inclusion in the State or National Register of Historic Places located on or adjacent to the Subject Property. As part of this review, the NC SHPO, Chief and Tribal Historic Preservation Offices (THPO) of all applicable Tribes, Nations, and Communities were consulted regarding any historic properties of religious and cultural significance in the area that could be affected by the proposed action. On May 31, 2023, NCORR submitted the proposed action to the NC SHPO for review and concurrence of a preliminary finding of “No Historic Properties Affected” pursuant to 36 CFR 800.4(d)(1). On July 3, 2023, Ms. Renee Gledhill-Earley, Environmental Review Coordinator with the State Historic Preservation Office, responded that “[w]e have conducted a review of the project and are aware of no historic resources which would be affected by the project. Therefore, we have no comment on the project as proposed.”

According to the HUD Tribal Directory Assessment Tool (TDAT), the Catawba Indian Nation is the only federally-recognized tribe with interests in Robeson County, North Carolina. On May 12, 2023, NCORR consulted with the Catawba Indian Nation for discussion of historic properties in the proposed action area that may have religious and cultural significance. The Section 106 review packages were sent to the Catawba Indian Nation’s Chief Bill Harris and THPO Dr. Wenonah G. Haire. On June 15, 2023, Ms. Caitlin Rogers responded for THPO Dr. Haire that “[t]he Catawba have no immediate concerns with regard to traditional cultural properties, sacred sites or Native American archaeological sites within the boundaries of the proposed project areas. **However, the Catawba are to be notified if Native American artifacts and / or human remains are located during the ground disturbance phase of this project.**” The proposed action is in compliance with Section 106. On July 12, 2023, NCORR Director Ms. Laura Hogshead sent a notification letter for the proposed action to the Lumbee Tribe of North Carolina Chairman John Lowery, and no response has been received. A response has not been received but will be included in the *Legend Road Water Tank Project EA ERR* when received. The SHPO and Catawba Indian Nation Section 106 review and consultation documentation is included in the *Legend Road Water Tank Project EA ERR* along with the Lumbee Tribe of NC project notification letter.

There are no parks located in an approximately three mile area surrounding the Subject Property. The Robeson County Fairgrounds is the closest recreational facility located northeast of the Subject Property. The proposed action will not introduce new development that would generate demand for parks, open spaces or recreational areas or impede their access. As such, the proposed action will not have an adverse effect on existing parks, open spaces or recreational areas.

Agricultural, Aquacultural, and Forestry Resources

The Subject Property is a large, County-owned parcel containing the Robeson County Emergency Operations Center, Sheriff's Office and Jail, EMS, Water Department, and Public Utilities buildings. The NC Department of Corrections' Lumberton Correctional Institution is located across Legend Road to the west. The elevated water storage tank, altitude valve vault, outlet structure, gravel access drive, water main, and associated piping and improvements will be constructed on a previously-cleared, fenced-in portion of this large County parcel situated east of the Methodist Home for Children's parcel and north of several Robeson County public facilities. The proposed action development area that is fenced-in currently contains the existing well, aeration basin, high service pumps, equalization basin, generator, and water treatment plant. An 8-inch to 12-inch PVC water main, associated valves and a fire hydrant will be installed in the paved parking area and gravel driveway/unnamed road running east-west to Legend Road between the fenced-in proposed tank and Sanchez Drive Water Treatment Plant and the Public Utilities buildings and Robeson County Ambulance Service/ EMS.

The United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey soil groups for the proposed action area included: WaB - Wagram loamy sand, 0 to 6 percent slopes (*Farmland of statewide importance*), Pm - Plummer and Osier soils (*Not prime farmland*), Pt - Portsmouth loam (*Prime farmland if drained*), and FaB - Faceville fine sandy loam, 2 to 6 percent slopes (*All areas are prime farmland*). However, the Subject Property is *already committed to urban development*. Projects are subject to Farmland Protection Policy Act (FPPA) requirements if they may irreversibly convert farmland (directly or indirectly) to nonagricultural use and are completed by a Federal agency or with assistance from a Federal agency. "Farmland" does not include land already in or committed to urban development or water storage." According to the USDA NRCS Resource Soil Scientist, Ms. Laurie Muzzy, the "area in question is **not** subject to FPPA regulation, since the project as proposed is located in an area that is already developed." There has been previous, significant site modification including fill and development for the existing fenced-in water treatment plant and roads where site disturbance is planned. It is anticipated that due to the proposed action site conditions no trees will be removed. Thus, the proposed action is not expected to have an adverse impact on agricultural or forestry resources.

The proposed action was designed to avoid floodplain and wetlands. Based on the USFWS NWI map, site visit, and USACE correspondence, the proposed action development area is not located in or adjacent to a wetland or riverine. The closest onsite USFWS NWI-mapped riverine (R5UBH) and potential wetland is approximately 250 feet northwest from the proposed action's LOD. Another NWI-mapped riverine (R4SBC) and potential wetland connects north to Little Jacob Swamp. These potential wetland areas encompass approximately 5 acres of the parcel. The Little Jacob Swamp riverine is located north of the parcel boundary approximately 0.25-mile from the proposed action's LOD and will not be adversely impacted by the proposed action. Therefore, the proposed action is not expected to have an adverse impact on aquacultural resources.

The proposed action's designs have been completed in accordance with agency input to minimize impacts to the floodplain, wetlands, environment and community. The proposed action will comply with all applicable federal, State and local laws, regulations, and permit requirements and conditions. According to the USACE and NC DWR, there are no NC DWR buffers and Clean Water Act Section 404 and 401 permits

are not required. Best management practices for erosion and sedimentation control such as silt fencing will be utilized during construction to prevent off-site sedimentation impacts and native plants used in site restoration. According to the NC DEQ DEMLR comment, “the project is less than one acre and will not require a Sedimentation and Erosion Control Plan nor coverage under the NPDES Construction Stormwater General Permit NCG010000.” However, Robeson County and/or its contractors shall install and maintain appropriate sedimentation and erosion control measures per the Sedimentation Pollution Control Act to prevent off-site sedimentation impacts (*see Attachment 20: SCH Draft EA Comments in the Legend Road Water Tank Project EA ERR*). All necessary permits will be identified and obtained prior to commencing work and appended to the *Legend Road Water Tank Project EA ERR* when received from the permitting agencies. Overall, due to current land use and conditions, design plans, and BMPs, the proposed action is not expected to have an adverse impact on agriculture, aquaculture or forestry resources.

Wetland Evaluation

The purpose of wetland evaluation is to consider factors relevant to a proposed action’s effect on the survival and quality of any wetlands to be disturbed. These factors should include public health (including water supply and water quality), maintenance of natural systems, cost increases attributed to construction in wetland, and other uses of wetland in the public interest. While there are USFWS NWI-mapped riverines and potential wetlands located on the Subject Property, the proposed action development area is not located in or adjacent to a wetland or riverine. The closest onsite USFWS NWI-mapped riverine (R5UBH) and potential wetland is approximately 250 feet northwest from the proposed action’s LOD. Another NWI-mapped riverine (R4SBC) and potential wetland connects north to Little Jacob Swamp. These potential wetland areas encompass approximately 5 acres of the parcel. The Little Jacob Swamp riverine is located north of the parcel boundary approximately 0.25-mile from the proposed action’s LOD and will not be adversely impacted by the proposed action.

The proposed action has been designed to avoid wetlands and incorporate BMPs, thus, there are no anticipated indirect or direct impacts on the natural and beneficial functions and values of the wetlands. The proposed action’s designs have been completed in accordance with agency input to minimize impacts to the floodplain, wetlands, environment and community. The proposed action will comply with all applicable federal, State and local laws, regulations, and permit requirements and conditions. According to the USACE and NC DWR, there are no NC DWR buffers and Clean Water Act Section 404 and 401 permits are not required. Best management practices for erosion and sedimentation control such as silt fencing will be utilized during construction to prevent off-site sedimentation impacts and native plants used in site restoration. According to the NC DEQ DEMLR comment, “the project is less than one acre and will not require a Sedimentation and Erosion Control Plan nor coverage under the NPDES Construction Stormwater General Permit NCG010000.” However, Robeson County and/or its contractors shall install and maintain appropriate sedimentation and erosion control measures per the Sedimentation Pollution Control Act to prevent off-site sedimentation impacts (*see Attachment 20: SCH Draft EA Comments in the Legend Road Water Tank Project EA ERR*). All necessary permits will be identified and obtained prior to commencing work and appended to the *Legend Road Water Tank Project EA ERR* when received from the permitting agencies. Thus, measures will be implemented to ensure the proposed action will have no indirect or direct impacts to wetlands during construction or operation as an elevated water storage tank system.

Public Health, Safety, and Welfare, Including Water Supply, Quality, Recharge, and Discharge; Pollution; Flood and Storm Hazards and Hazard Protection; and Sediment and Erosion

Wetlands have unique natural characteristics that play an integral role in the ecology of the watershed. The natural and beneficial functions and values related to hydrology and water quality include slowing down stormwater runoff, providing surface and subsurface retention, and filtering out pollutants. The proposed action has been designed to avoid wetlands and incorporate BMPs, thus, there are no anticipated impacts on the natural and beneficial functions and values of the wetlands.

The State of North Carolina was adversely impacted by the landfall of Hurricanes Matthew (October 8, 2016) and Florence (September 14, 2018). During the Hurricane Matthew storm event, water delivery systems throughout Robeson County were adversely impacted by widespread outages, particularly the public facilities located along Legend and Sanchez Roads. The public facilities served by this project include the Robeson County Emergency Operations Center, Sheriff's Office and Jail, EMS, Water Department, and Public Utilities buildings and the adjacent NC Department of Corrections' Lumberton Correctional Institution. During and immediately following the storm event, potable water had to be transported to these facilities, both by truck and through individual bottled servings. The NC DWR's PWS section requires all water systems to maintain a minimum pressure of 30 psi for normal conditions and 20 psi for fire flow. These numbers are attainable with the proposed action's installation of an elevated water storage tank on this parcel containing the water treatment plant and in close proximity of these Robeson County public facilities and the Lumberton Correctional Institution. It is critical for public health and safety that these facilities have adequate water supply during emergencies and future storm events.

This proposed action will construct a 500,000-gallon elevated water storage tank, altitude valve vault, fire hydrant, water mains, gravel access drive, and associated improvements to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events. The proposed action is necessary to have optimally functioning public facilities, including the Robeson County Emergency Operations Center, during and after future storm events. The Robeson County Emergency Operations Center hosts County officials and State and federal agencies working towards a fast and effective recovery following storm events. The proposed action will ensure emergency personnel have a continuous potable water supply during critical times which will benefit emergency operations throughout the community. The proposed action will enable the Emergency Operations Center and other facilities, such as the Robeson County Ambulance Service/ EMS, to maintain water pressure which will allow for uninterrupted operations during and in the aftermath of future storm events for the benefit of the entire County population. The County has selected the proposed action to assist its residents, employees, and community to be protected from water service interruptions at this location during future storm events which can also adversely impact operations at the Emergency Operations Center during critical times. Therefore, the proposed action is not anticipated to have adverse impacts to property and lives, but rather aims to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events in effect protecting the *public health, safety and welfare* of the residents, employees and entire County population.

The proposed action will not increase demand for water, except as needed during short-term construction. The proposed action development area that is fenced-in currently contains the existing well, aeration basin, high service pumps, equalization basin, generator, and water treatment plant. The Subject Property was chosen as ideal because it is currently County-owned and is located close to the existing water treatment plant and the Robeson County government complex enabling the water system to maintain a minimum pressure of 30 psi for normal conditions and 20 psi for fire flow which is a NC DWR PWS section requirement. It is critical for public health and safety that these facilities have adequate water supply during emergencies and future storm events. This proposed action will construct a 500,000-gallon elevated water storage tank, altitude valve vault and associated improvements to prevent future water service interruptions

and allow for continued operation of these critical public facilities during and following future storm events.

According to NC DWR's PWS section, plans and specifications need to be submitted and approved for an Authorization to Construct before construction starts for the proposed action. The design plans must meet Title 15A Subchapter 18C15A NCAC 18C Section .1531 Siting Requirements. The NC DWR PWS section also commented that plan approval is required for the construction, expansion, or alteration of a public water system per 15A NCAC 18C .0300 et seq. and any relocation of existing water lines during construction. All public water supply systems must comply with State and federal drinking water monitoring requirements (*see Attachment 20: SCH Draft EA Comments in the Legend Road Water Tank Project EA ERR*). Abandonment of any wells, if required must be in accordance with Title 15A Subchapter 2C .0100. The proposed action activities will be completed in accordance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. Permits required for this proposed action shall be obtained before commencing work and appended to the ERR when received from the permitting agencies. The proposed action is anticipated to have a beneficial impact on *water supply access and service* in the area particularly during and following future storm events.

The proposed action will not introduce any new development that would generate waste water. Mitigative measures such as BMPs will be utilized during construction to prevent soil and/ or debris from being washed offsite. The proposed action is not anticipated to cause the discharge of sewer to surfaces of the Subject Property or surrounding properties. The proposed action will not create waste water or affect waste water service in the area. Any additional waste water generated during construction activities would be temporary. The NC DEQ commented that a permit is needed to construct and operate wastewater treatment facilities, non-standard sewer system extensions and sewer systems that do not discharge into state surface waters and a permit is needed to construct and operate sewer extensions involving gravity sewers, pump stations and force mains discharging into a sewer collection system. Additionally, an NPDES permit to discharge into surface water and/ or permit to operate and construct wastewater facilities discharging into State surface waters might be required. The proposed action activities will be completed in accordance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. Thus, the proposed action is not anticipated to have an impact on local waste water/ sanitary sewers that could adversely affect *water quality*.

The proposed action's designs have been completed in accordance with agency input to minimize impacts to the floodplain, wetlands, environment and community. The proposed action will comply with all applicable federal, State and local laws, regulations, and permit requirements and conditions. According to the USACE and NC DWR, there are no NC DWR buffers and Clean Water Act Section 404 and 401 permits are not required. Best management practices for erosion and sedimentation control such as silt fencing will be utilized during construction to prevent off-site sedimentation impacts and native plants used in site restoration. According to the NC DEQ DEMLR comment, "the project is less than one acre and will not require a Sedimentation and Erosion Control Plan nor coverage under the NPDES Construction Stormwater General Permit NCG010000." However, Robeson County and/or its contractors shall install and maintain appropriate sedimentation and erosion control measures per the Sedimentation Pollution Control Act to prevent off-site sedimentation impacts (*see Attachment 20: SCH Draft EA Comments in the Legend Road Water Tank Project EA ERR*). All necessary permits will be identified and obtained prior to commencing work and appended to the *Legend Road Water Tank Project EA ERR* when received from the permitting agencies. Overall, due to current land use and conditions, design plans, and BMPs, *flood storm and hazard protection including floodwater storage and conveyance, water supply and quality, groundwater recharge and discharge, and sediment and erosion control* are not anticipated to be impacted indirectly or directly by the proposed action.

Maintenance of Natural Systems, Including Conservation and Long-Term Productivity of Existing Flora and Fauna; Species and Habitat Diversity and Stability; Natural Hydrologic Function; Wetland Type; Fish; Wildlife; Timber; and Food and Fiber Resources

For this proposed action, the USFWS Raleigh Ecological Services' online 10-step project review process was completed. There will be *no tree clearing* to affect any potential habitat for the Tricolored Bat, Red-cockaded Woodpecker, and Wood Stork. The proposed action's LOD/ development area does not include suitable habitat for the American Alligator. Due to regular mowing, habitat at the proposed action's LOD/ development area is considered poor to unsuitable for Monarch Butterflies and Michaux's Sumac. The proposed action was determined to have "no effect" on the proposed, threatened, endangered, or candidate species and proposed or designated critical habitat under USFWS jurisdiction, and a "no Eagle Act permit required" determination for the Bald Eagle. A self-certification letter and online project review certification package were completed and submitted to the USFWS Raleigh Field Office (FO) on May 24, 2023. (See **Attachment 8** in the *Legend Road Water Tank Project EA ERR* for full details.)

The proposed action's designs have been completed in accordance with agency input to minimize impacts to the floodplain, wetlands, environment and community. The proposed action will comply with all applicable federal, State and local laws, regulations, and permit requirements and conditions. According to the USACE and NC DWR, there are no NC DWR buffers and Clean Water Act Section 404 and 401 permits are not required. Best management practices for erosion and sedimentation control such as silt fencing will be utilized during construction to prevent off-site sedimentation impacts and native plants used in site restoration. According to the NC DEQ DEMLR comment, "the project is less than one acre and will not require a Sedimentation and Erosion Control Plan nor coverage under the NPDES Construction Stormwater General Permit NCG010000." However, Robeson County and/or its contractors shall install and maintain appropriate sedimentation and erosion control measures per the Sedimentation Pollution Control Act to prevent off-site sedimentation impacts (*see Attachment 20: SCH Draft EA Comments in the Legend Road Water Tank Project EA ERR*). All necessary permits will be identified and obtained prior to commencing work and appended to the *Legend Road Water Tank Project EA ERR* when received from the permitting agencies. The proposed action has been determined to have "no effect" on proposed, threatened, endangered, or candidate species and proposed or designated critical habitat. Thus, as designed, the proposed action will have no or minimal impacts to the *maintenance of natural systems, including conservation and long-term productivity of existing flora and fauna, and species and habitat diversity and stability* during construction and operation as an elevated water storage tank system.

Based on the USFWS NWI map, site visit, and USACE correspondence, the proposed action development area is not located in or adjacent to a wetland or riverine. The closest onsite USFWS NWI-mapped riverine (R5UBH) and potential wetland is approximately 250 feet northwest from the proposed action's LOD. Another NWI-mapped riverine (R4SBC) and potential wetland connects north to Little Jacob Swamp. These potential wetland areas encompass approximately 5 acres of the parcel. The Little Jacob Swamp riverine is located north of the parcel boundary approximately 0.25-mile from the proposed action's LOD and will not be adversely impacted by the proposed action. The proposed action has been designed to avoid wetlands and incorporate BMPs, thus, there are no anticipated impacts on the natural and beneficial functions and values of the wetlands including *natural hydrologic function and fish/aquatic species/wildlife and habitat*.

The Subject Property is a large, County-owned parcel containing the Robeson County Emergency Operations Center, Sheriff's Office and Jail, EMS, Water Department, and Public Utilities buildings. The NC Department of Corrections' Lumberton Correctional Institution is located across Legend Road to the west. The Subject Property is not ideal for timber or agriculture due to its currently developed land use. There has been previous, significant site modification including fill and development for the existing fenced-in water treatment plant and roads where site disturbance is planned. It is anticipated that due to the

proposed action site conditions no trees will be removed. Overall, due to current land use and conditions, design plans, and BMPs, the proposed action is not expected to have an adverse impact on *timber, food, or fiber resources*.

Cost Increases Attributed to Wetland-Required New Construction and Mitigation Measures to Minimize Harm to Wetlands that May Result from Such Use

The proposed action is designed to avoid floodplain and wetlands. There are no identifiable costs attributable to wetlands being located on or adjacent to the Subject Property. Instead, since the County currently owns this parcel, no real property acquisition is required. The closest onsite USFWS NWI-mapped riverine (R5UBH) and potential wetland is located approximately 250 feet northwest from the proposed action's LOD. Another NWI-mapped riverine (R4SBC) and potential wetland connects north to Little Jacob Swamp. These potential wetland areas encompass approximately 5 acres of the parcel and no activities are proposed in wetland. The Little Jacob Swamp riverine is located north of the parcel boundary approximately 0.25-mile from the proposed action's LOD and will not be adversely impacted by the proposed action. Since there is no impact to wetlands, no compensatory mitigation is required. According to USACE and NC DWR, there are no NC DWR buffers and Clean Water Act Section 404 and 401 permits are not required. Standard best management practices for erosion and sedimentation control such as silt fencing will be utilized during construction to prevent off-site sedimentation impacts and native plants used in site restoration. According to the NC DEQ DEMLR comment, "the project is less than one acre and will not require a Sedimentation and Erosion Control Plan nor coverage under the NPDES Construction Stormwater General Permit NCG010000." However, Robeson County and/or its contractors shall install/maintain appropriate sedimentation and erosion control measures per the Sedimentation Pollution Control Act to prevent off-site sedimentation impacts (*see Attachment 20: SCH Draft EA Comments in the Legend Road Water Tank Project EA ERR*). All necessary permits will be identified and obtained prior to commencing work and appended to the *Legend Road Water Tank Project EA ERR* when received from the permitting agencies. Thus, standard measures will be implemented to ensure the proposed action will have no impacts to wetlands during construction and operation as an elevated water storage tank system.

Other Uses of Wetland in the Public Interest, Including Recreational, Scientific, and Cultural Uses

The potential wetlands and riverines located on and adjacent to the Subject Property have no identifiable recreational, scientific, or cultural uses that would be impacted by the proposed action. The proposed action is designed to avoid floodplain and wetlands. The Little Jacob Swamp riverine is located north of the parcel boundary approximately 0.25-mile from the proposed action's LOD and will not be adversely impacted by the proposed action. The closest onsite USFWS NWI-mapped riverine (R5UBH) and potential wetland is located approximately 250 feet northwest from the proposed action's LOD. Another NWI-mapped riverine (R4SBC) and potential wetland connects north to Little Jacob Swamp. These potential wetland areas encompass approximately 5 acres of the parcel and no activities are proposed in wetland. The Subject Property is a large, County-owned parcel containing the Robeson County Emergency Operations Center, Sheriff's Office and Jail, EMS, Water Department, and Public Utilities buildings. The NC Department of Corrections' Lumberton Correctional Institution is located across Legend Road to the west. There is an existing chain link fence and gate around the proposed action development area where the elevated water storage tank, altitude valve vault, and gravel access drive will be located. An 8-inch to 12-inch PVC water main, associated valves and a fire hydrant will be installed in the paved parking area and gravel driveway/unnamed road running east-west to Legend Road between the fenced-in existing water treatment plant and the Public Utilities buildings and Robeson County Ambulance Service/ EMS. There will be an estimated 0.20 acre of ground disturbance.

As part of the 24 CFR 58 environmental review, the NC SHPO and Chief Bill Harris and the THPO of the Catawba Indian Nation were consulted regarding any historic, culturally significant, or tribal resources in the area that could be affected by the proposed action. On July 3, 2023, the SHPO responded that the proposed action will have no effect on historic resources. On June 15, 2023, the Catawba Indian Nation's THPO responded that "[t]he Catawba have no immediate concerns with regard to traditional cultural properties, sacred sites or Native American archaeological sites within the boundaries of the proposed project areas. **However, the Catawba are to be notified if Native American artifacts and / or human remains are located during the ground disturbance phase of this project.**" On July 12, 2023, NCORR Director Ms. Laura Hogshead sent a notification letter for the proposed action to the Lumbee Tribe of North Carolina Chairman John Lowery. A response has not been received but will be included in the *Legend Road Water Tank Project EA ERR* when received. The SHPO, Catawba Indian Nation, and Lumbee Tribe of NC documentation is included in the *Legend Road Water Tank Project EA ERR*. Thus, due to current land use and conditions, design plans, and BMPs, the proposed action is not expected to have an adverse impact on recreational, scientific, or cultural uses.

Step 5. Where Practicable, Design or Modify the Proposed Action to Minimize the Potential Adverse Impacts to and from the 100-Year Floodplain and the Wetland and to Restore and Preserve its Natural and Beneficial Functions and Values.

The proposed action has been designed to avoid wetlands and floodplain, thus, there are no anticipated impacts on the natural and beneficial functions and values of the 100-Year Floodplain or wetlands. The proposed action's construction is wholly located in Zone X, an area of minimal flood hazard (outside of floodplain). Based on the USFWS NWI map, site visit, and USACE correspondence, the proposed action development area is not located in or adjacent to a wetland or riverine. The closest onsite USFWS NWI-mapped riverine (R5UBH) and potential wetland is approximately 250 feet northwest from the proposed action's LOD. Another NWI-mapped riverine (R4SBC) and potential wetland connects north to Little Jacob Swamp. These potential wetland areas encompass approximately 5 acres of the parcel. The Little Jacob Swamp riverine is located north of the parcel boundary approximately 0.25-mile from the proposed action's LOD and will not be adversely impacted by the proposed action. There has been previous, significant site modification including fill and development for the existing fenced-in water treatment plant and roads where site disturbance is planned. The Subject Property was chosen as ideal because it is currently County-owned and is located close to the existing water treatment plant and the Robeson County government complex enabling the water system to maintain a minimum pressure of 30 psi for normal conditions and 20 psi for fire flow which is a NC DWR PWS section requirement. Thus, due to current land use and conditions, design plans, and BMPs, the proposed action is not expected to have any direct or indirect impacts to wetlands, 500-Year Floodplain, 100-Year Floodplain or Floodway and their natural and beneficial functions and values.

Step 6. Reevaluate the Alternatives and Proposed Action.

The proposed action has been designed to avoid wetlands and floodplain. The proposed action's construction is wholly located in Zone X, an area of minimal flood hazard (outside of floodplain) and outside of wetlands. There has been previous, significant site modification including fill and development for the existing fenced-in water treatment plant and roads where site disturbance is planned. The proposed action designs have been completed in accordance with agency input to minimize impacts to the floodplain, wetlands, environment and community.

Robeson County identified the proposed action as a high priority infrastructure strategy after a series of public meetings on resiliency strategies in 2017 as part of the NC Resilient Redevelopment Planning Program. The main alternative is the “No Action” Alternative which is not considered feasible since continuous water service to the Robeson County government complex is essential for operations. The Subject Property was chosen as ideal because it is currently County-owned and is located close to the existing water treatment plant and the Robeson County government complex enabling the water system to maintain a minimum pressure of 30 psi for normal conditions and 20 psi for fire flow which is a NC DWR PWS section requirement. It is critical for public health and safety that these facilities, including the Emergency Operations Center, have adequate water supply during emergencies and future storm events. The “No Action” Alternative would provide no protection to these facilities from water service interruptions during future storm events. The proposed action and location are the most ideal, feasible options selected by the County; the “No Action” Alternative would not effectively address water service interruptions during and after storm events, the project design avoids floodplain and wetlands, and native plants will be used in site restoration.

Implementation of the proposed action will abide by all applicable federal, State and local laws, regulations, and permit requirements and conditions. Permits required for this proposed action shall be obtained before commencing work and appended to the *Legend Road Water Tank Project EA ERR* when received from the permitting agencies. The impacts of these alternatives will be re-evaluated in response to any public comments received.

Step 7. Issue Findings and Public Explanation.

It is the finding of this report that there is no better alternative than to provide funding for the Legend Road Water Tank Project. The County has selected the proposed action to assist its residents, employees, and community to be protected from water service interruptions at this location during future storm events which can also adversely impact operations at the Emergency Operations Center during critical times.

A final notice, formally known as “*Final Notice and Public Explanation of a Proposed Activity in a 100-Year Floodplain and Wetland*” (Final Notice) is being published in accordance with 24 CFR 55. However, this notice was combined with the *Notice of Finding of No Significant Impact (FONSI) and Notice of Intent to Request Release of Funds (NOI-RROF)* for a 15-day comment period. The 15-day comment period starts with the combined notice publishing in The Robesonian newspaper on February 10, 2024 and ends on February 26, 2024. The notice will be posted at <https://www.rebuild.nc.gov/about/plans-policies-reports/environmental-reviews> and sent via Federal Express and email to the following state and federal agencies on or before February 10, 2024: HUD NC Field Office; FEMA; EPA; USFWS; USACE; and NC State Environmental Clearinghouse. The notice will also be sent to Robeson County and the City of Lumberton. Project information was sent to the NC SHPO and Catawba Indian Nation for review and comment under Section 106 of the NHPA and a project notification letter was sent to the Lumbee Tribe of North Carolina (see *Legend Road Water Tank Project EA ERR*). (See **Appendix 3** for the final notice distributed to these agencies).

Supporting documentation, including this EO 11988 Floodplain Management and EO 11990 Protection of Wetlands Determination, incorporated into the Final Notice was posted for public review to the NCORR ReBuild NC website at <https://www.rebuild.nc.gov/about/plans-policies-reports/environmental-reviews> and included the Early Notice documentation (proposed action location maps showing parcel boundary; Robeson County parcel information; site plans; FEMA FIRM and Preliminary FIRM showing parcel boundary, distance and total acreage; NFIP Community Status Book Report; USFWS NWI Maps showing parcel boundary, distance and total acreage; USACE LIDAR map; USACE and NC DWR correspondence; and other documentation) and additional appendices noted herein. The EA was also posted to the NCORR

ReBuild NC website allowing for public and agency input on the decision to provide funding for construction and development activities. Any substantive comments received will be addressed, and incorporated into the EA prior to proceeding with the submission of a request for release of funds.

Step 8. Implementation and Continuing Responsibility of the Responsible Entity and Recipient.

NCORR is the responsible entity and will provide educational materials, when available. It is acknowledged there is a continuing responsibility by the responsible entity to ensure, to the extent feasible and necessary, compliance with the Steps herein.

APPENDIX 1

EARLY NOTICE FLOODPLAIN AND WETLANDS MAPS




- **Proposed Project Location Maps, Robeson County Parcel Information, and Site Plans**
- **FEMA FIRM and Preliminary FIRM Showing Parcel Boundary, Distance from Proposed Activity's Limit of Disturbance, Total Acreage Amounts, and NFIP Community Status Book Report**
- **USFWS National Wetlands Inventory (NWI) Maps Showing Parcel Boundary, Distance from Proposed Activity's Limit of Disturbance, and Total Acreage Amounts, and LIDAR Map from USACE**
- **USACE and NC DEQ DWR Correspondence**

**Proposed Project Location Maps, Robeson
County Parcel Information, and Site Plans**

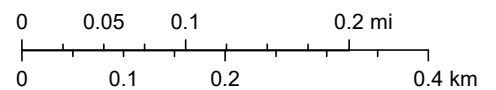
Legend Road Water Tank - Aerial Map



January 16, 2024

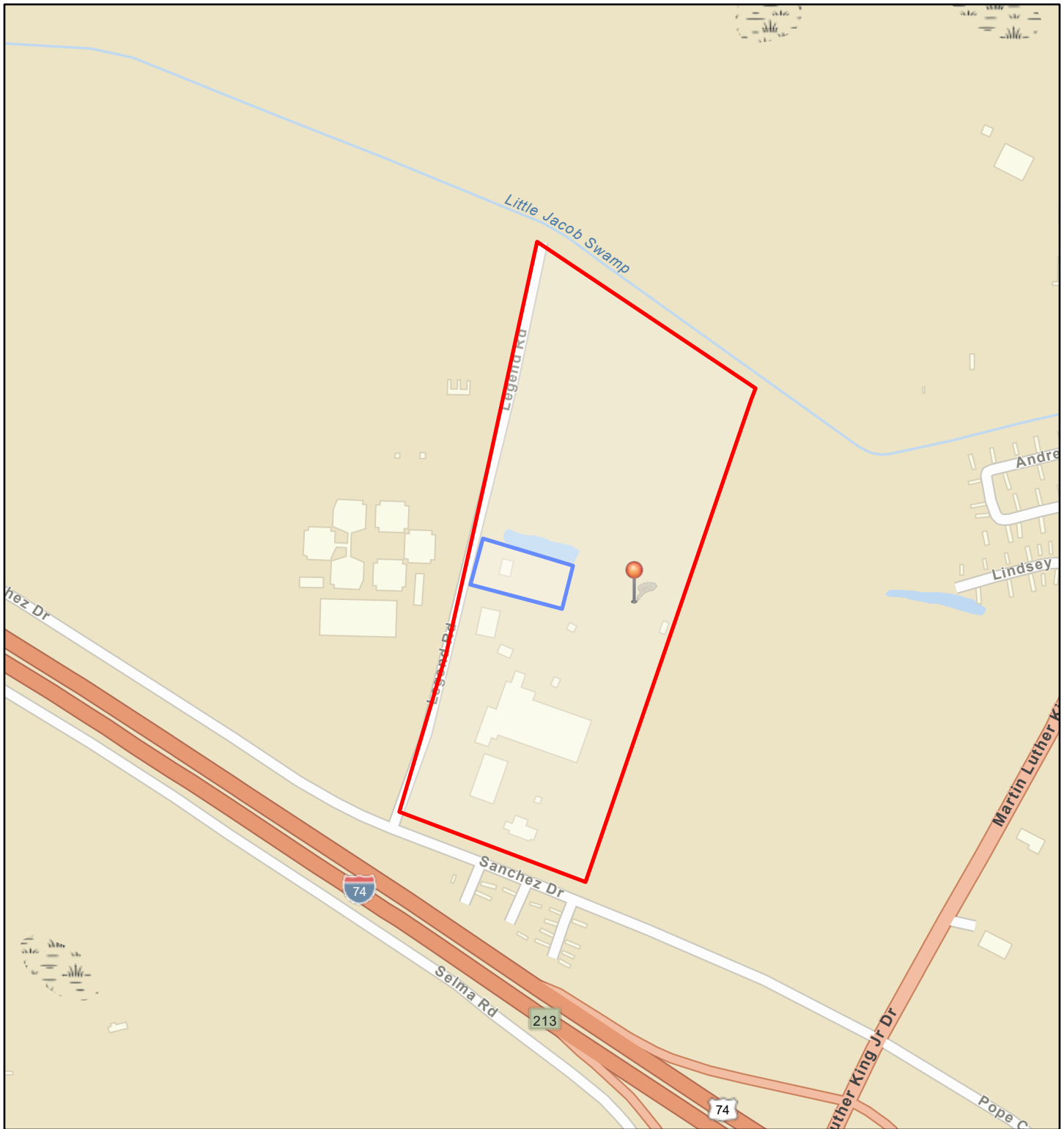
-  Legend Road Water Tank
-  Proposed Water Tank
-  Excluded Parcel

1:9,028






NC CGIA, Maxar, Esri Community Maps Contributors, State of North Carolina DOT, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

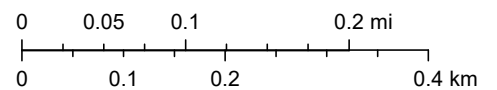
Legend Road Water Tank - Street Map



January 16, 2024

-  Legend Road Water Tank
-  Proposed Water Tank
-  Excluded Parcel

1:9,028




Esri Community Maps Contributors, State of North Carolina DOT, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Legend Road Water Tank - Topographic Map

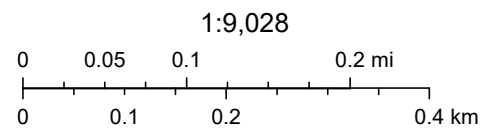


January 16, 2024

 Legend Road Water Tank

 Proposed Water Tank

 Excluded Parcel



Copyright:© 2013 National Geographic Society, i-cubed



Robeson County Ambulance Service

N.C. Dept of Corrections

Proposed 12' Water Main

Proposed Elevated Tank

R.C. Public Utilities

Existing Well Treatment

R.C. Sheriff's Office

R.C. Jail

Robeson County Emergency Operations

R.C. Water Dept.

1 inch = 200 feet



Legend Road Water Tank – Action Area



Legend Road Water Tank – Google Earth





Robeson County Government

PROPERTY REPORT - PRINT

Property Owner	Owner's Mailing Address	Property Location Address
COUNTY OF ROBESON C/O FINANCE	550 N CHESTNUT ST 4TH FLOOR LUMBERTON , NC 283580000	120 LEGEND RD

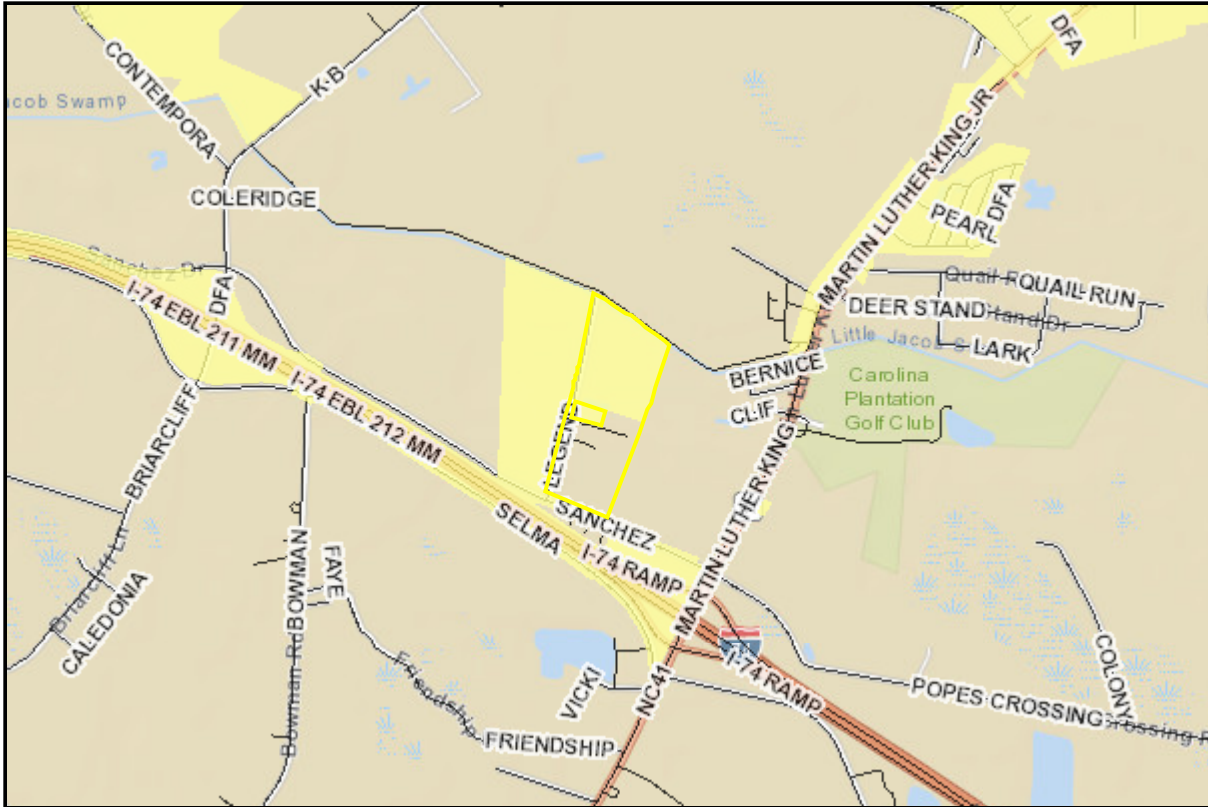
Administrative Data	Administrative Data	Valuation Information
Parcel Ref No. 02090100501 PIN Account No. 46904033 Tax District TOWN LUMBERTON Land Use Code E-12 Land Use Desc COUNTY PROPERTY W/ASSESTS Subdiv Code Subdiv Desc Neighborhood 32C30	Legal Desc AC N/S SR 2316 JAIL SITE Deed Bk/Pg / Plat Bk/Pg / Sales Information Grantor Sold Date 2005-01-01 Sold Amount \$ 0	Market Value \$ 8,421,000 Market Value - Land and all permanent improvements, if any, effective January 1, 2010, date of County's most recent General Reappraisal Assessed Value \$ 8,421,000 If Assessed Value not equal Market Value then subject parcel designated as a special class -agricultural, horticultural, or forestland and thereby eligible for taxation on basis of Present-Use and/or reduction from a formal appeal procedure
		Land Supplemental
		Map Acres 60.96 Tax District Note JACOB SWAMP MAINTENANCE Present-Use Info

Improvement Detail	
(1st Major Improvement on Subject Parcel)	
Year Built	1992
Built Use/Style	CORRECTIONAL
Current Use	B /
* Percent Complete	100
Heated Area (S/F)	62,840
** Bathroom(s)	0 Full Bath(s) 0 Half Bath(s)
** Bedroom(s)	0
Fireplace (Y/N)	N
Basement (Y/N)	N
Attached Garage (Y/N)	N
*** Multiple Improvements	005
* Note - As of January 1 ** Note - Bathroom(s), Bedroom(s), shown for description only *** Note - If multiple improvements equal "MLT" then parcel includes additional major improvements	

Improvement Valuation (1st Major Improvement on Subject Parcel)	
* Improvement Market Value \$	** Improvement Assessed Value \$
7,616,200	7,616,200
* Note - Market Value effective Date equal January 1, 2010, date of County's most recent General Reappraisal ** Note - If Assessed Value not equal Market Value then variance resulting from formal appeal procedure	

Land Value Detail (Effective Date January 1, 2010, date of County's most recent General Reappraisal)		
Land Market Value (LMV) \$	Land Present-Use Value (PUV) \$ **	Land Total Assessed Value \$
804,800	804,800	804,800
** Note: If PUV equal LMV then parcel has not qualified for present use program		

County of Robeson, NC



MAPNO	02090100501
PIN_NUMBER	938035514300
PARCELTYPE	Base Parcel
CONFLICTNOTATION	
DEEDEDACRES	60.96
OWNERTYPE	Private
STATUS	null
OLDMAPNO	0209-01-00501A
NUMMOD	null
LOT	null
NBHD_CODE	32C30
TAX_YEAR	2022
PAR_CODE	
MAP	
SUBMAP	
BLOCK	
PARCEL	
SUBPARCEL	
PHYLOCAT	91832
CITYCODE	
ROUTENUM	0
OWNERID	46904033
CUROWNID	46904033

OWNAM1	COUNTY OF ROBESON
OWNAM2	C/O FINANCE
OWNAM3	
OWADR1	550 N CHESTNUT ST
OWADR2	4TH FLOOR
OWADR3	
OWADR4	
OWCITY	LUMBERTON
OWSTATE	NC
OWZIP	283580000
STNUM	120
STSUFFIX	
STDIR	
STNAME	LEGEND
STTYPE	RD
STDIRSUF	
UNITNO	
DEEDACRE	60.96
MAPACRE	60.96
DISTCODE	52
TOWNCODE	2
PARDESC3	J62
PARDESC1	E-12
NBHCLASS	
NBHCODE	32C30
EXEMCODE	E12
DEEDBOOK	null
DEEDPAGE	null
DEEDYEAR	null
PLATBOOK	null
PLATPAGE	null
DATESOLD	null
LEGDESC1	AC N/S SR 2316 JAIL SITE
LEGDESC2	
LEGDESC3	WATER CUST SVC BLDG
PARDESC4	
GROUPPAR	
REQREVIEW	
PHYSTRADR	120 LEGEND RD
SCHCODE	0
AREACODE	1
LNDASVCUR	804800
IMPASVCUR	7616200
QUALCODE	null

RECTYPE
SALEAMT
SALEINST
DEEDSTMP

null
null
null
null

ROBESON COUNTY COUNTY-WIDE WATER SYSTEM

Legend Road 0.500 MG Elevated Tank

KELLIE BLUE, COUNTY MANAGER
SHELTON HILL, ASSISTANT COUNTY MANAGER
JASON KING, ASSISTANT COUNTY MANAGER

COMMISSIONERS

WIXIE STEPHENS - CHAIRMAN
H. T. (TOM) TAYLOR - VICE CHAIRMAN
PAULINE CAMPBELL
JOHN CUMMINGS
FALINE DAIL
DAVID EDGE
LANCE HERNDON
JUDY SAMPSON

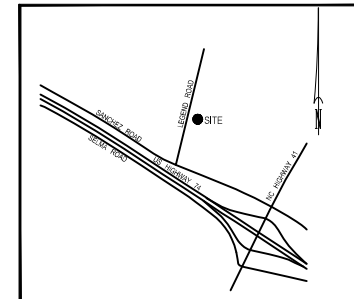
TAMMY FREEMAN, CLERK TO THE BOARD
MYRON NEVILLE, PUBLIC UTILITIES DIRECTOR

Table of Contents

- 1 - Site Plan
- 2 - 12" Water Main Plan & Profile
- 3 - Tank Elevation & Details
- 4 - Altitude Valve & Vault
- D-1 - Detail Sheet



LIMITS OF WORK SHALL INCLUDE
ALL AREAS INSIDE WOODROW
& EXISTING UTILITIES EASEMENTS
AS SHOWN ON PLANS.



VICINITY MAP



10/12/2021

<input type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary Plan - Not for recordation, conveyances, or sales
<input type="checkbox"/>	Final Drawing - Not released for construction
<input checked="" type="checkbox"/>	Final Drawing - For Review Purposes Only
<input type="checkbox"/>	Final Drawing - Released For Construction

WithersRavenel · Engineers · Planners · Surveyors



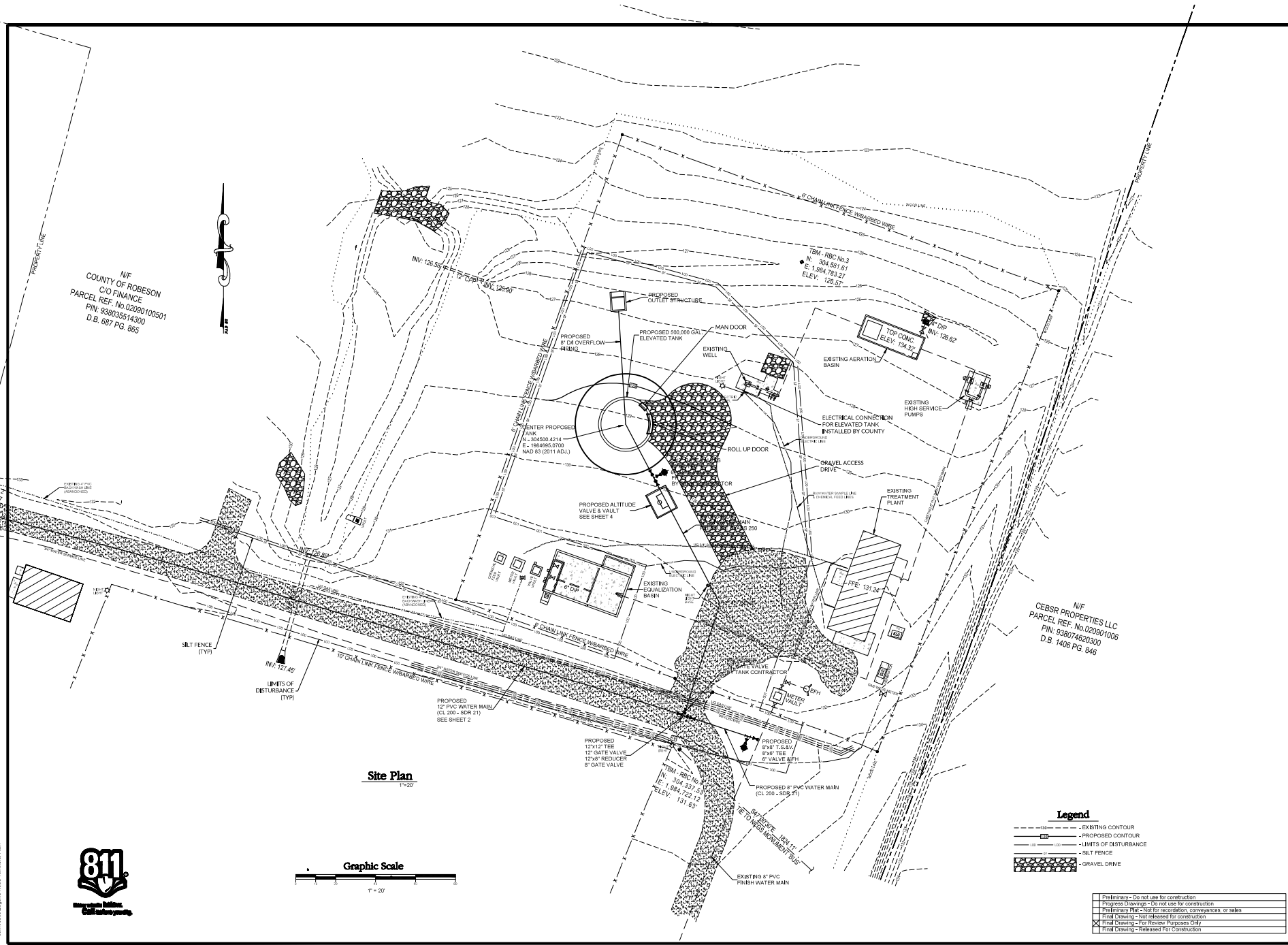
208 E. 5th Street Lumberton, NC 28358 Phone: 910-738-9376 Fax: 910-738-9378 Email: lmcbryde@withersravenel.com Lic. No.- F-1479



NF
COUNTY OF ROBESON
C/O FINANCE
PARCEL REF. No. 02090100501
PIN: 938035514300
D.B. 687 PG. 865



Site Plan
1"=20'



Legend

---	EXISTING CONTOUR
- - -	PROPOSED CONTOUR
---	LIMITS OF DISTURBANCE
---	SILT FENCE
---	GRAVEL DRIVE

[Symbol]	Preliminary - Do not use for construction
[Symbol]	Progress Drawings - Do not use for construction
[Symbol]	Preliminary Plan - Not for recreation, conveyances, or sales
[Symbol]	Final Drawing - Not released for construction
[Symbol]	Final Drawing - For Review Purposes Only
[Symbol]	Final Drawing - Released For Construction

DATE: 11/21/2023

PROJECT NO.: 230808

DESIGNER: WITHERS RAVENEL

CHECKED BY: JON

DRAWN BY: JON

DATE: JAN 2023

SCALE: AS SHOWN

FILE NO.: 230808

PROJECT FILE: WRS



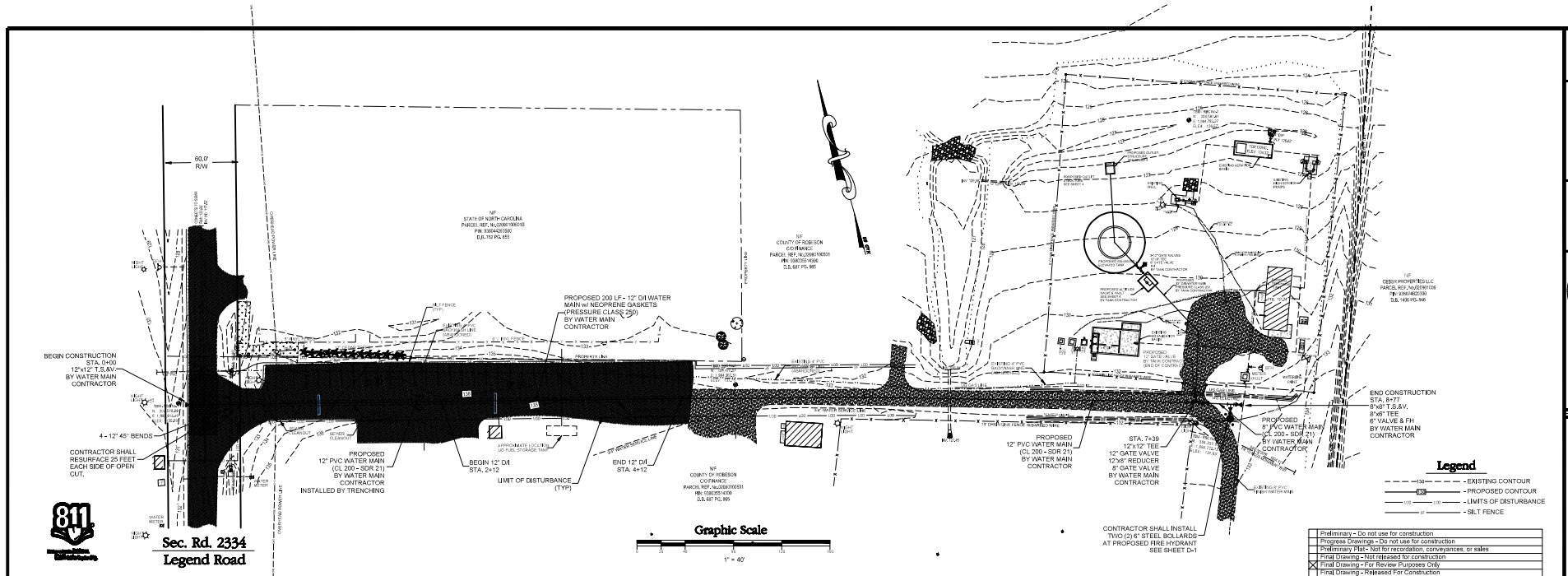
WITHERS RAVENEL • ENGINEERS • PLANNERS • SURVEYORS
 208 EAST 5th STREET • LUMBERTON, N.C. 28888 • PHONE: 910-339-9376 • FAX: 910-339-9378 • LIC. NO.: F-4479 • EMAIL: WRSengineering@outlook.com

ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK - SITE PLAN

NF
CEBSR PROPERTIES LLC
PARCEL REF. No. 020901006
PIN: 938074620300
D.B. 1406 PG. 846

SHEET NO.
1

OF 4



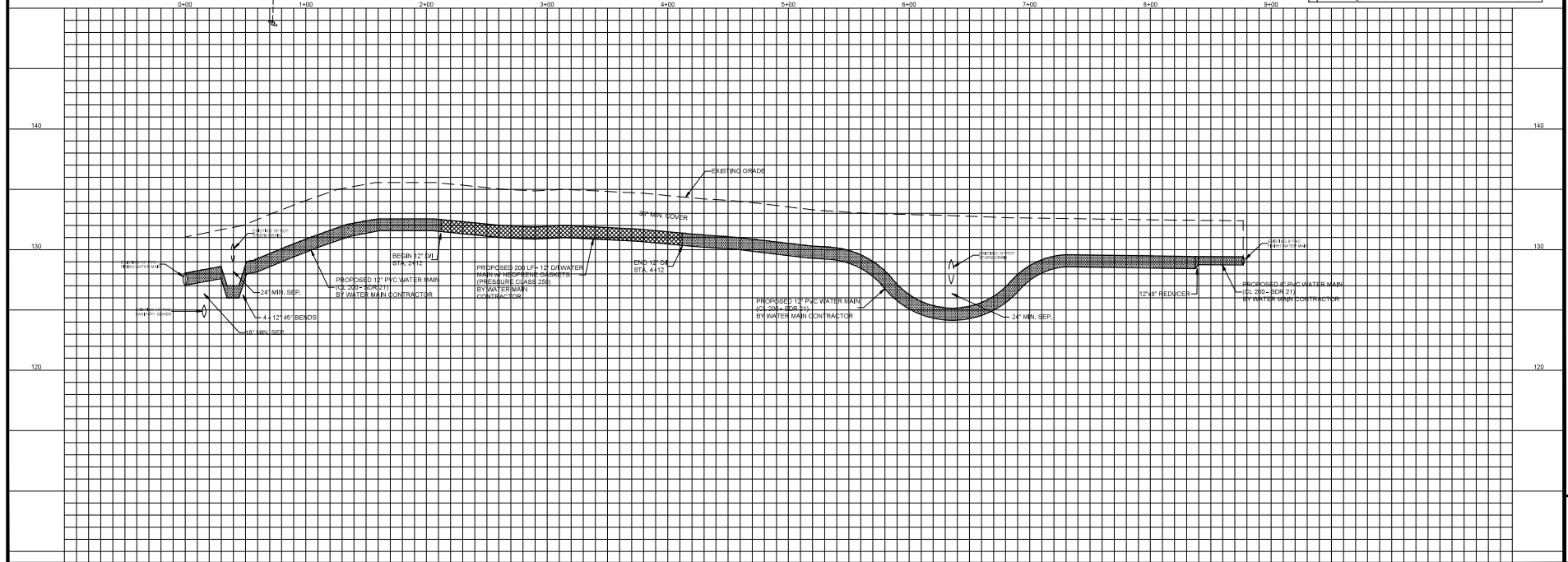
Sec. Rd. 2334
Legend Road

Graphic Scale
1" = 40'

Legend

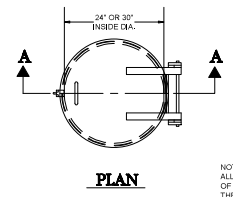
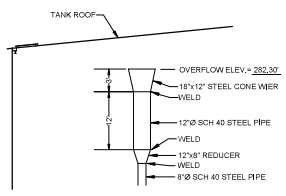
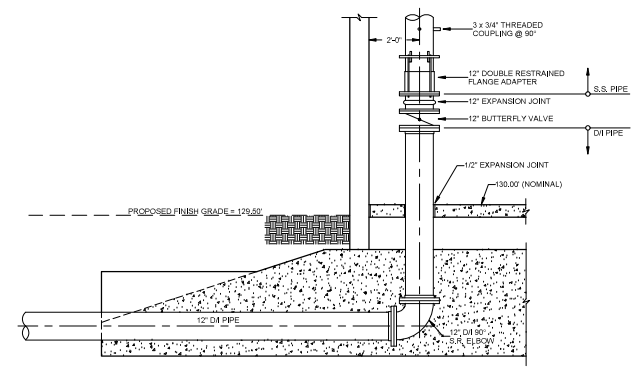
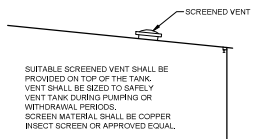
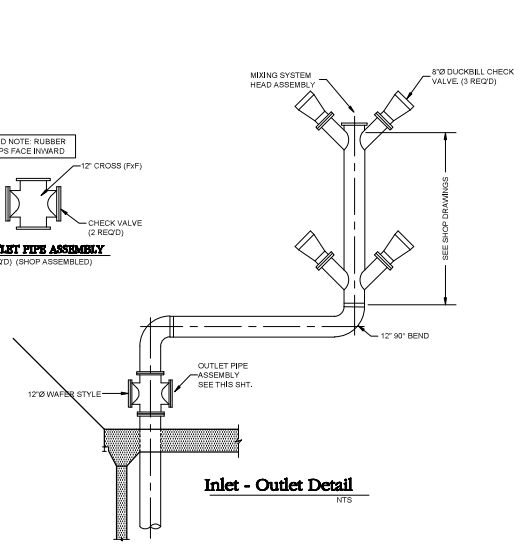
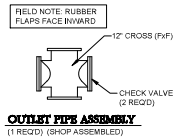
- - - - - EXISTING CONTOUR
- - - - - PROPOSED CONTOUR
- - - - - LIMITS OF DISTURBANCE
- - - - - SILT FENCE

<input type="checkbox"/> Preliminary - Do not use for construction
<input type="checkbox"/> Progress Drawing - Do not use for construction
<input type="checkbox"/> Preliminary Plan - Not for recordation, conveyances, or sales
<input type="checkbox"/> Final Drawing - Not released for construction
<input checked="" type="checkbox"/> Final Drawing - For Review Purposes Only
<input type="checkbox"/> Final Drawing - Released For Construction

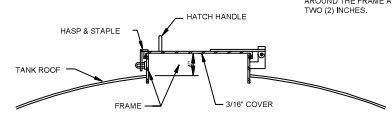


camconnect Legend Road Tank12.dwg/12.dwg/12.dwg

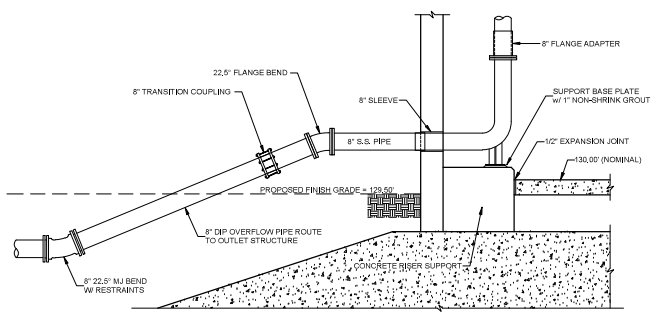
DATE: 01/12/2023 DRAWN BY: JRM CHECKED BY: JRM DATE: 01/12/2023 PROJECT NO.: 23-2334-1000	 WITHERSRAVENEL ENGINEERS • PLANNERS • SURVEYORS 208 EAST 5th STREET • LUMBERTON, N.C. 28886 • PHONE: 910-739-9376 • FAX: 910-739-9378 • LIC. NO.: F-4479 • EMAIL: info@wrsurvey.com	DATE: 01/12/2023 PROJECT NO.: 23-2334-1000
ROBESON COUNTY COUNTY-WIDE WATER SYSTEM LEGEND ROAD TANK SITE - PROPOSED WATER MAIN		
SHEET NO. 2 OF 4		



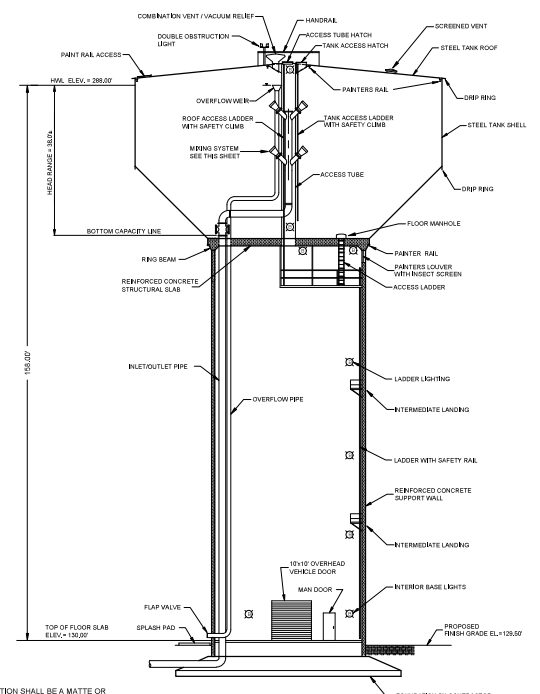
NOTE: ROOF HATCH SHALL MEET ALL APPLICABLE REQUIREMENTS OF 15M-NCA-C-18C, 0405(N)(2). THE COVER SHALL EXTEND DOWN AROUND THE FRAME AT LEAST TWO (2) INCHES.



24"Ø or 30"Ø Roof Hatch
NTS



- NOTES:
1. TANK CONTRACTOR TO MOUNT DOUBLE OBSTRUCTION LIGHTS ON TOP OF TANK. SEE SPECIFICATIONS FOR DETAILS.
 2. TANK CONTRACTOR SHALL INSTALL CONDUIT, LIGHTS, & ELECTRICAL SERVICE PER SPECIFICATIONS & SPECIAL PROVISIONS.
 3. ALL CHLORINATED WATER USED FOR ELEVATED TANK DISINFECTION SHALL BE DISCHARGED TO WASTE, AS DIRECTED BY THE ENGINEER, PRIOR TO REFILLING THE ELEVATED TANK FOR BACTERIOLOGICAL TESTING.
 4. LADDERS SHALL BE PROVIDED AS REQUIRED BY SPECIFICATIONS.



NOTE: FOUNDATION SHALL BE A MATTE OR RINGWALL FOUNDATION WITH A DEPTH NOT TO EXCEED 10 FEET BELOW FINISHED GRADE OR FINISH SHALL BE INSTALLED TO A DEPTH OF NOT MORE THAN 65 FEET.

<input type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawing - Do not use for construction
<input type="checkbox"/>	Preliminary P&ID - Not for recordation, conveyances, or sales
<input type="checkbox"/>	Final Drawing - Not released for construction
<input checked="" type="checkbox"/>	Final Drawing - For Review Purposes Only
<input type="checkbox"/>	Final Drawing - Released For Construction

REVISIONS PER PLAN

DATE: FEB 2024

CHECKED BY: DAN

DATE: JAN 2023

DESIGNED BY: DAN

DATE: JAN 2023

FILE NO.: 24-001

PROJECT NO.:

WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS

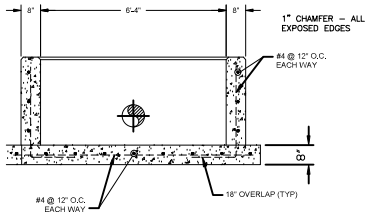
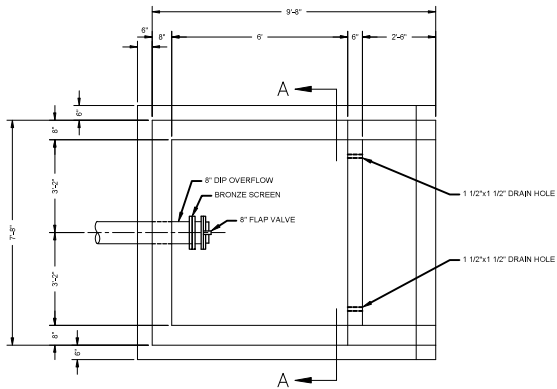
208 EAST 5th STREET • LUMBERTON, N.C. 28088 • PHONE: 910-339-9316 • FAX: 910-339-9318 • LIC. NO.: F-4479 • EMAIL: info@wrsurvey.com

ROBESON COUNTY COUNTY-WIDE WATER SYSTEM

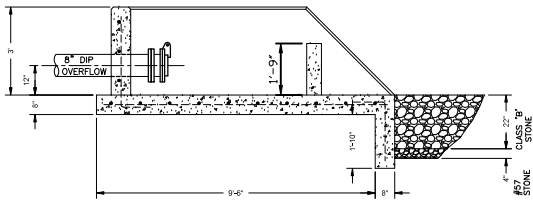
LEGEND ROAD TANK - TANK ELEVATION AND DETAILS

SHEET NO. 3

OF 4

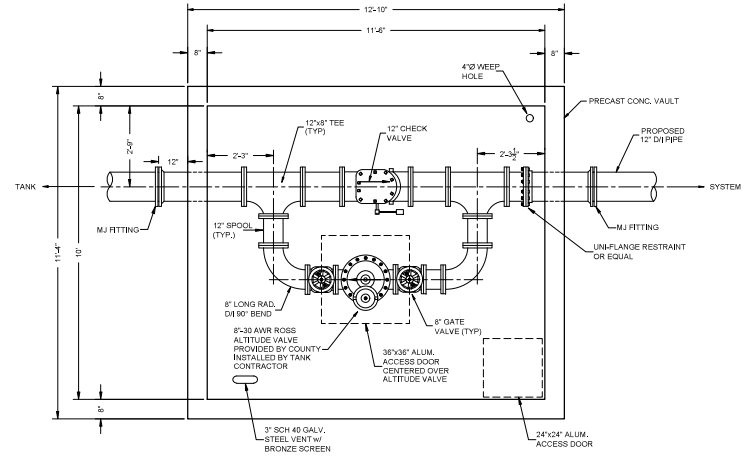


- NOTE:
- OVERFLOW FLAP VALVES SHALL HAVE #4 STAINLESS STEEL SCREENS BETWEEN PIPES AND VALVE.
 - CONCRETE SHALL BE 4000 PSI COMP. STRENGTH AT 28 DAYS.



OUTLET STRUCTURE DETAIL

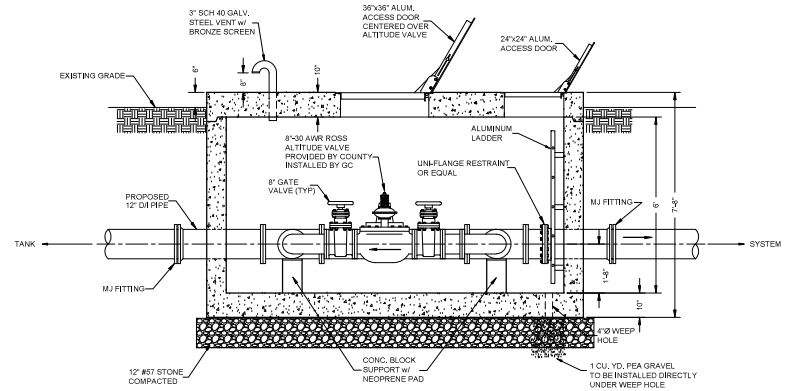
NTS



Plan View

1/2" = 1'-0"

- NOTES:
- ALL DIP IN VAULT TO BE PAINTED WITH 2 COATS.
 - ALL BOLTS, WASHERS & NUTS TO BE S.S. INSIDE THE VAULT.



Profile View

1/2" = 1'-0"

ALTITUDE VALVE AND VAULT DETAIL

NTS

<input type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary Plan - Not for reproduction, conveyances, or sales
<input type="checkbox"/>	Final Drawings - Not released for construction
<input checked="" type="checkbox"/>	Final Drawings - For Review Purposes Only
<input type="checkbox"/>	Final Drawings - Released For Construction

SHEET NO.

4

OF 4

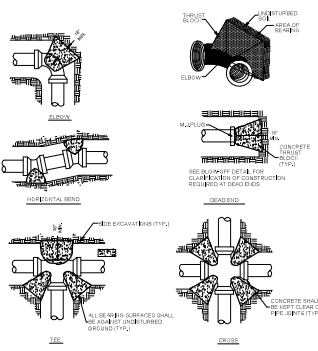
WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS
 208 EAST 5th STREET • LUMBERTON, N.C. 28888 • PHONE 910-739-9376 • FAX 910-739-9378 • LIC. NO. F-4479 • EMAIL: W@engineering.com
 ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
 LEGEND ROAD TANK - ALTITUDE VALVE AND VAULT

REVISIONS

NO.	DATE	DESCRIPTION
1	JAN 2023	ISSUED FOR PERMITS
2	JAN 2023	ISSUED FOR PERMITS
3	JAN 2023	ISSUED FOR PERMITS
4	JAN 2023	ISSUED FOR PERMITS
5	JAN 2023	ISSUED FOR PERMITS
6	JAN 2023	ISSUED FOR PERMITS
7	JAN 2023	ISSUED FOR PERMITS
8	JAN 2023	ISSUED FOR PERMITS
9	JAN 2023	ISSUED FOR PERMITS
10	JAN 2023	ISSUED FOR PERMITS

PROJECT NO.: 2023-001

DATE: 10/12/2023



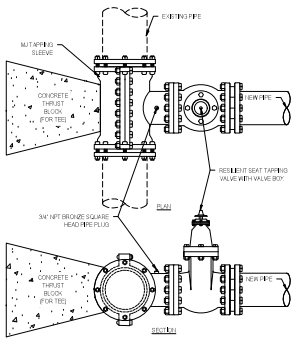
CONCRETE THRUST BLOCK DETAIL
NTS

THRUST BLOCKING SCHEDULE

LINE NO.	PIPE DIA.	VALVE DIA.	THRUST BLOCK AREA (SQ. FT.)	THRUST BLOCK VOLUME (CU. YD.)
1	12"	12"	1.57	0.04
2	18"	18"	2.83	0.08
3	24"	24"	4.71	0.13
4	30"	30"	7.07	0.19
5	36"	36"	9.92	0.27
6	42"	42"	13.27	0.36
7	48"	48"	17.14	0.47
8	54"	54"	21.51	0.59
9	60"	60"	26.38	0.72
10	66"	66"	31.75	0.86
11	72"	72"	37.63	1.01
12	78"	78"	44.01	1.17
13	84"	84"	50.89	1.34
14	90"	90"	58.26	1.52
15	96"	96"	66.13	1.71
16	102"	102"	74.51	1.91
17	108"	108"	83.39	2.12
18	114"	114"	92.77	2.34
19	120"	120"	102.65	2.57
20	126"	126"	113.03	2.81
21	132"	132"	123.91	3.06
22	138"	138"	135.29	3.32
23	144"	144"	147.17	3.59
24	150"	150"	159.55	3.87
25	156"	156"	172.43	4.16
26	162"	162"	185.81	4.46
27	168"	168"	199.69	4.77
28	174"	174"	214.07	5.09
29	180"	180"	228.95	5.42
30	186"	186"	244.33	5.76
31	192"	192"	260.21	6.11
32	198"	198"	276.59	6.47
33	204"	204"	293.47	6.84
34	210"	210"	310.85	7.22
35	216"	216"	328.73	7.61
36	222"	222"	347.11	8.01
37	228"	228"	365.99	8.42
38	234"	234"	385.37	8.84
39	240"	240"	405.25	9.27
40	246"	246"	425.63	9.71
41	252"	252"	446.51	10.16
42	258"	258"	467.89	10.62
43	264"	264"	489.77	11.09
44	270"	270"	512.15	11.57
45	276"	276"	535.03	12.06
46	282"	282"	558.41	12.56
47	288"	288"	582.29	13.07
48	294"	294"	606.67	13.59
49	300"	300"	631.55	14.12
50	306"	306"	656.93	14.66
51	312"	312"	682.81	15.21
52	318"	318"	709.19	15.77
53	324"	324"	736.07	16.34
54	330"	330"	763.45	16.92
55	336"	336"	791.33	17.51
56	342"	342"	819.71	18.11
57	348"	348"	848.59	18.72
58	354"	354"	877.97	19.34
59	360"	360"	907.85	19.97
60	366"	366"	938.23	20.61
61	372"	372"	969.11	21.26
62	378"	378"	1000.49	21.92
63	384"	384"	1032.37	22.59
64	390"	390"	1064.75	23.27
65	396"	396"	1097.63	23.96
66	402"	402"	1131.01	24.66
67	408"	408"	1164.89	25.37
68	414"	414"	1199.27	26.09
69	420"	420"	1234.15	26.82
70	426"	426"	1269.53	27.56
71	432"	432"	1305.41	28.31
72	438"	438"	1341.79	29.07
73	444"	444"	1378.67	29.84
74	450"	450"	1416.05	30.62
75	456"	456"	1453.93	31.41
76	462"	462"	1492.31	32.21
77	468"	468"	1531.19	33.02
78	474"	474"	1570.57	33.84
79	480"	480"	1610.45	34.67
80	486"	486"	1650.83	35.51
81	492"	492"	1691.71	36.36
82	498"	498"	1733.09	37.22
83	504"	504"	1774.97	38.09
84	510"	510"	1817.35	38.97
85	516"	516"	1860.23	39.86
86	522"	522"	1903.61	40.76
87	528"	528"	1947.49	41.67
88	534"	534"	1991.87	42.59
89	540"	540"	2036.75	43.52
90	546"	546"	2082.13	44.46
91	552"	552"	2128.01	45.41
92	558"	558"	2174.39	46.37
93	564"	564"	2221.27	47.34
94	570"	570"	2268.65	48.32
95	576"	576"	2316.53	49.31
96	582"	582"	2364.91	50.31
97	588"	588"	2413.79	51.32
98	594"	594"	2463.17	52.34
99	600"	600"	2513.05	53.37
100	606"	606"	2563.43	54.41

NOTE: Values are based on a standard 150 psi concrete strength and 2000 psi unit weight concrete. 2000 psi compressive strength concrete may be used and unit weight will require greater thrust blocking area (see schedule).

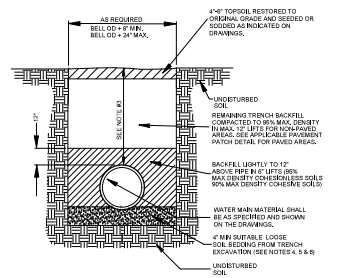
NOTE: Thrust blocking shown above is based on the use of rebar-embedded cast-in-place concrete.



Tapping Sleeve & Valve
NTS

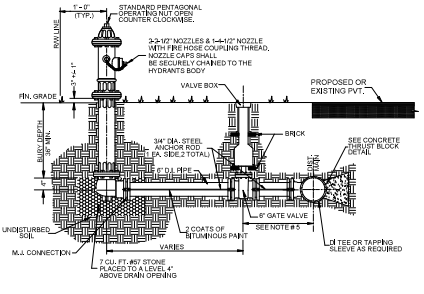
1. SLEEVE BODY SHALL BE CAST IN PLACE CONCRETE.
2. THE MINOR FLANGE TO THE TAPPING SLEEVE MUST HAVE A RAISED FLANGE FACED TOWARD THE PROPER ALIGNMENT OF THE JOINT AT THE TAPPING POINT.
3. THE SLEEVE SHALL INCLUDE A FULL CIRCUMFERENTIAL GASKET PROVIDING A 90° SEAL AROUND THE TAPPING POINT.
4. ALL VALVES SHALL HAVE A TAPING OPERATOR THAT IS FULLY OPERATIONAL.
5. VALVE BODY GASKET & GATE SHALL BE IN ACCORDANCE WITH AWWA C900 AND C901.
6. VALVE BODY & GASKET SHALL BE COATED WITH AN EPOXY & FIBER GLASS SURFACE WITH A MINIMUM THICKNESS OF 1/8" IN ACCORDANCE WITH AWWA C900.
7. ALL VALVES OF 3" DIAMETER SHALL HAVE A SAFE WORKING PRESSURE OF 50 PSI.
8. PIPE SURFACES SHALL BE CLEANED THOROUGHLY TO PERMIT FOR A GOOD SEAL WHEN INSTALLED.
9. EXTERIOR PIPE SURFACES SHALL BE COATED WITH 2 COATS OF ASPHALT/FLY ASH PAINT.
10. EDGE OF SLEEVE SHALL BE LOCATED A MINIMUM OF 8" FROM THE REMOVED JOINT.

- GENERAL NOTES**
1. THE CONTRACTOR SHALL HAVE A COMPLETE SET OF CONTRACT DOCUMENTS AS WELL AS ALL PERMIT APPROVALS AND EASEMENTS ON THE JOB SITE AT ALL TIMES.
 2. ALL SHOP DRAWINGS MUST BE REVIEWED AND APPROVED BY ENGINEER BEFORE EQUIPMENT IS ORDERED.
 3. CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL UNDERGROUND UTILITIES. KNOWN EXISTING UTILITIES HAVE BEEN LOCATED FROM THE INFORMATION AVAILABLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCURATELY LOCATE BOTH HORIZONTAL AND VERTICAL ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE NC ONE CALL CENTER AT 800.552.4343. ALL COSTS ASSOCIATED WITH ANY DAMAGE TO KNOWN OR UNKNOWN UTILITIES RESULTING FROM THE CONTRACTOR'S FAILURE TO ADEQUATELY PROTECT THE EXISTING UTILITIES DURING CONSTRUCTION SHALL BE BORNE SOLELY BY THE CONTRACTOR.
 4. CONTRACTOR SHALL MAKE EVERY EFFORT TO SAVE PROPERTY IRONS, MONUMENTS, OTHER PERMANENT POINTS AND LINES OF REFERENCE AND CONSTRUCTION STAKES. A RECORDED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE SHALL REPLACE PROPERTY IRONS, MONUMENTS, AND OTHER PERMANENT POINTS OF REFERENCE DESTROYED BY THE CONTRACTOR.
 5. CONTRACTOR SHALL CLEAN AND GRUB ALL UTILITY EASEMENTS AS DIRECTED BY THE OWNER. TO INSTALL NEW UTILITIES, ON ROADWAY RIGHT-OF-WAYS, THE CONTRACTOR SHALL ONLY REMOVE THE TREES MARKED ON THE PLANS AND SHALL MAKE EVERY EFFORT DURING CONSTRUCTION TO PROTECT THE TREES THAT ARE NOT TO BE REMOVED.
 6. THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN ALL NECESSARY EROSION CONTROL MEASURES WHETHER OR NOT SHOWN ON THE PLANS TO PROTECT ADJACENT CREEKS, RIVERS, ROADWAYS, ETC. FROM SILTATION AND EROSION.
 7. THE CONTRACTOR SHALL SUPPORT ALL UTILITY POLES AS NECESSARY. THE CONTRACTOR SHALL COORDINATE UTILITY POLE SUPPORT WITH THE APPROPRIATE UTILITY COMPANIES.
 8. CONTRACTOR SHALL RESTORE/REPLACE ALL SIGNS, MAILBOXES, ETC. ENCOUNTERED DURING CONSTRUCTION TO ORIGINAL CONDITION.
 9. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO THE EXISTING GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 10. ALL DRIVEWAYS SHALL BE REPAIRED AS SOON AS CONSTRUCTION HAS PASSED, A MINIMUM OF 2" OF C&G SHALL BE USED FOR TEMPORARY REPAIR ON ASPHALT AND CONCRETE DRIVEWAYS UNTIL PERMANENT REPAIR CAN BE COMPLETED AND A MINIMUM OF 2" OF C&G SHALL BE USED AS PERMANENT REPAIR ON GRAVEL DRIVEWAYS.
 11. CONTRACTOR SHALL REPLACE WITH NEW ALL DRIVEWAY VIBES AND OTHER DRAINAGE PIPE/CULVERTS THAT ARE DISTURBED WHILE INSTALLING THE UTILITIES. ALL PIPE/CULVERTS SHALL MEET THE REQUIREMENTS OF NCDOT.
 12. ALL ROADWAY PATCHES DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION OR BETTER AND CONFORM TO NCDOT REQUIREMENTS. ALL PATCHES SHALL BE LINED WITH EROSION CONTROL MATTING UNLESS OTHERWISE NOTED.
 13. ALL EXCAVATED MATERIAL SHALL BE PLACED WITHIN THE LIMITS OF DISTURBANCE DURING UTILITY INSTALLATION. THE CONTRACTOR SHALL PROVIDE THE NECESSARY SEGMENT AND EROSION CONTROL MEASURES TO CONTROL RUN-OFF. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED OF LEGALLY.
 14. HORIZONTAL DATUMS NAVD 83.
 15. VERTICAL DATUMS NAVD 88.

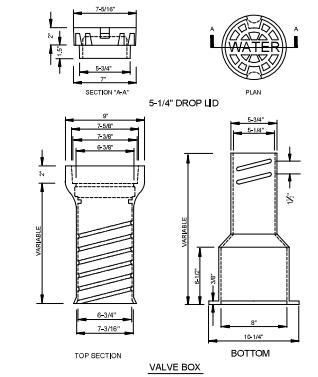


WATER MAIN BEDDING DETAIL
NTS

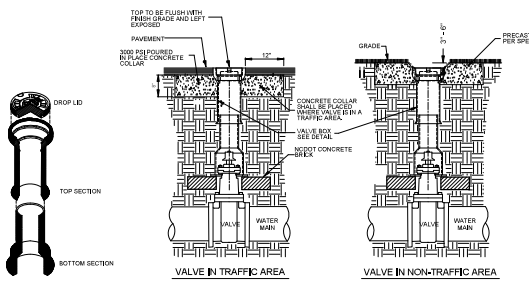
- NOTES:**
1. ALL VALVES AND HYDRANTS SHALL HAVE ALL CONNECTIONS WITH RUBBER RETAINING GASKETS, RESTRAINT OR ANCHOR LOSS AND 3/4" DIA. STEEL ANCHOR RODS.
 2. 3/4" DIA. STEEL RODS AND ALL BURIED SURFACES SHALL BE PAINTED WITH 2 COATS OF BITUMINOUS PAINT. MARRIED OR SCRATCHED SURFACES SHALL BE REPAIRED. PAINT SHALL CURE PRIOR TO BACK FILLING TRENCH.
 3. FREE HYDRANTS SHALL BE PLACED AS DIRECTED BY THE ENGINEER.
 4. HYDRANT BRANCH SHALL NOT BE BACK FILLED UNTIL INSPECTED AND APPROVED BY ENGINEER.
 5. HYDRANT EXTENSIONS SHALL BE APPROVED BY ENGINEER.



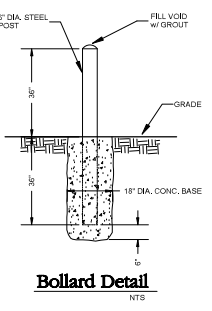
HYDRANT DETAIL
NTS



Valve Box Detail
NTS



Open Cut & Patch Detail
NTS

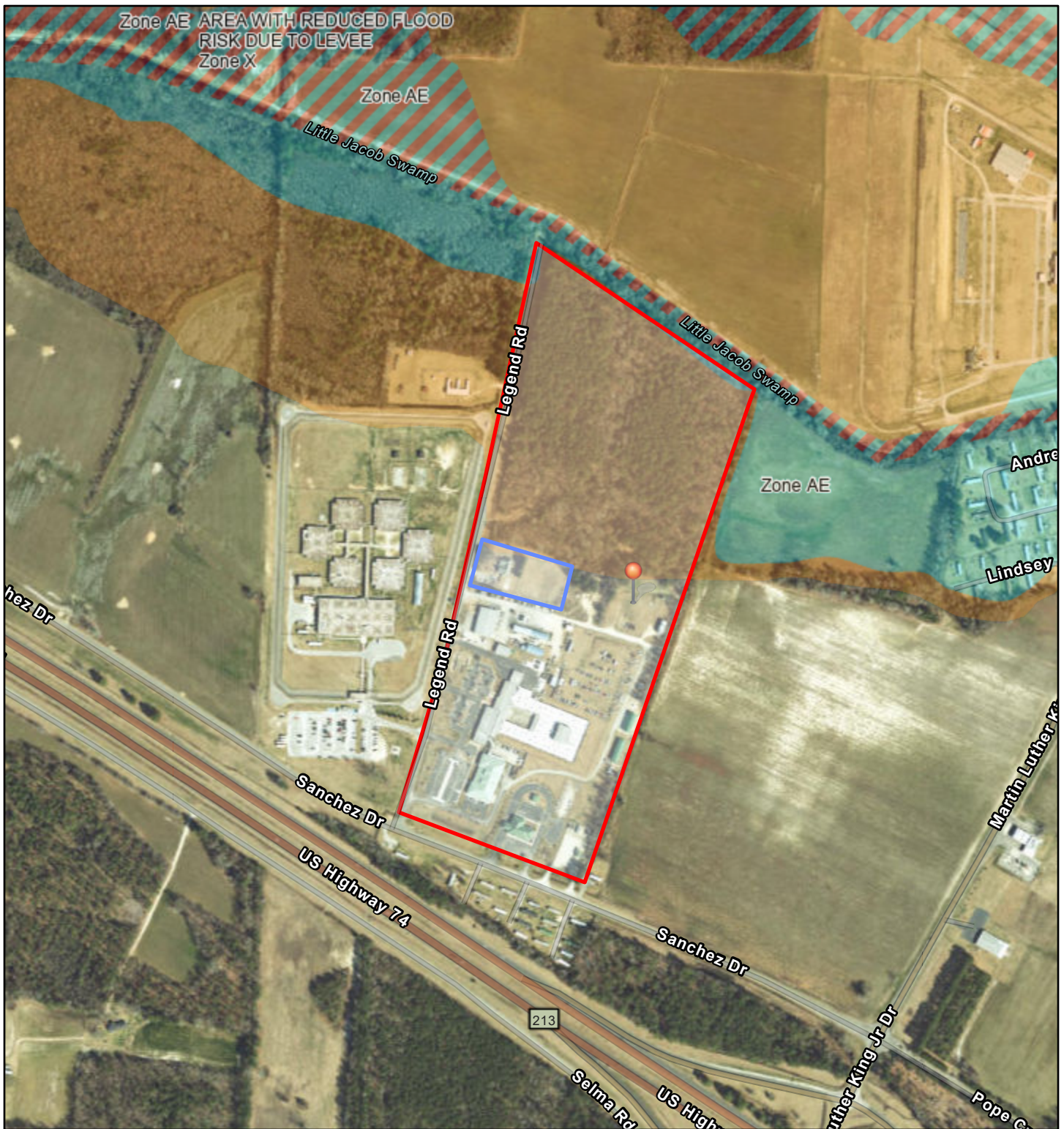


Bollard Detail
NTS

<input type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Process Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary P&I - Not for recordation, commodities, or sales
<input type="checkbox"/>	Final Drawing - Not released for construction
<input type="checkbox"/>	Final Drawing - For Review Purposes Only
<input type="checkbox"/>	Final Drawing - Released For Construction












**FEMA FIRM and Preliminary FIRM
Showing Parcel Boundary, Distance from
Proposed Activity's Limit of
Disturbance, and Total Acreage
Amounts, and NFIP Community Status
Book Report**

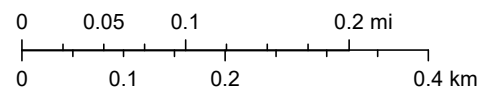
Legend Road Water Tank - FEMA FIRM



January 16, 2024

1:9,028

- | | |
|--|---|
|  Legend Road Water Tank |  Special Floodway |
|  Proposed Water Tank |  Area of Undetermined Flood Hazard |
|  Excluded Parcel |  0.2% Annual Chance Flood Hazard |
| Flood Hazard Zones | |
|  1% Annual Chance Flood Hazard |  Future Conditions 1% Annual Chance Flood Hazard |
|  Regulatory Floodway |  Area with Reduced Risk Due to Levee |
| |  Area with Risk Due to Levee |



NC CGIA, Maxar, Esri Community Maps Contributors, State of North Carolina DOT, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

National Flood Hazard Layer FIRMMette



79°3'25"W 34°35'29"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

79°2'48"W 34°35'N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
		Area of Undetermined Flood Hazard <i>Zone D</i>
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

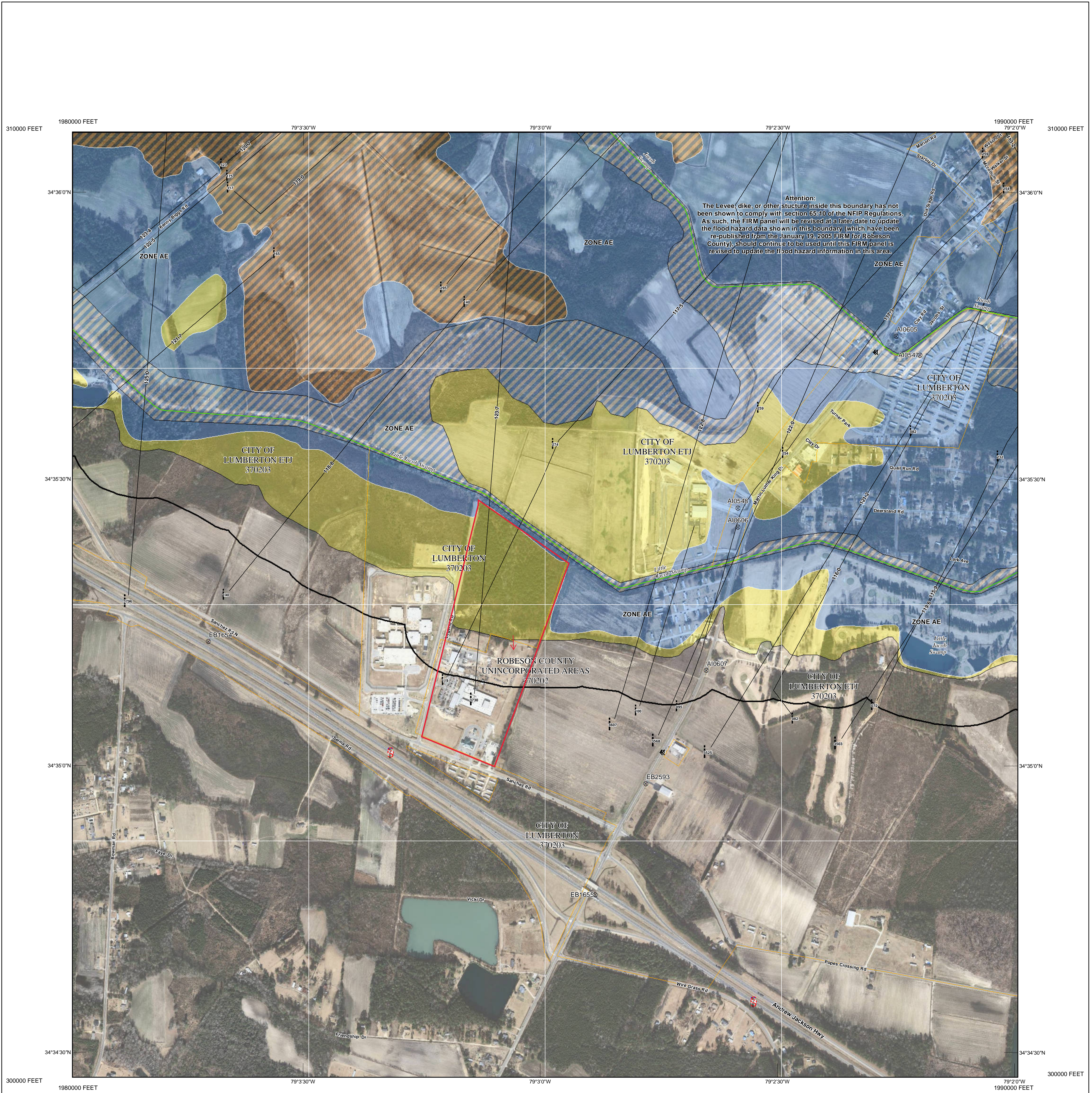


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **1/16/2024 at 5:57 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



Attention:
The Levee, dike, or other structure inside this boundary has not been shown to comply with section 65.10 of the NFIP Regulations. As such, the FIRM panel will be revised in a later date to update the flood hazard data shown in this boundary (which have been re-published from the January 19, 2005 FIRM for Robeson County), should continue to be used until this FIRM panel is revised to update the flood hazard information in this area.

FEDERAL EMERGENCY MANAGEMENT AGENCY
NORTH CAROLINA
Cooperating Technical State
FEMA'S COOPERATING TECHNICAL PARTNER

This digital Flood Insurance Rate Map (FIRM) was produced through a unique cooperative partnership between the State of North Carolina and the Federal Emergency Management Agency (FEMA). The State of North Carolina has implemented a long term approach to floodplain management to decrease the costs associated with flooding. This is demonstrated by the State's commitment to map flood hazard areas at the local level. As a part of this effort, the State of North Carolina has joined in a Cooperating Technical State agreement with FEMA to produce and maintain this digital FIRM.

FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR ZONE DESCRIPTIONS AND INDEX MAP
THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT [HTTP://FRIS.NC.GOV/FRIS](http://FRIS.NC.GOV/FRIS)

- SPECIAL FLOOD HAZARD AREAS**
 - Without Base Flood Elevation (BFE)
 - With BFE or Depth Zone AE, AO, AH, VE, AR
 - Regulatory Floodway
- OTHER AREAS OF FLOOD HAZARD**
 - 0.2% Annual Chance Flood Hazard, Areas of 1% Annual Chance Flood with Average Depth Less Than One Foot or with Drainage Areas of Less Than One Square Mile Zone X
 - Future Conditions 1% Annual Chance Flood Hazard Zone X
 - Area with Reduced Flood Risk due to Levee See Notes Zone X
- OTHER AREAS**
 - Areas Determined to be Outside the 0.2% Annual Chance Floodplain Zone X
- GENERAL STRUCTURES**
 - Channel, Culvert, or Storm Sewer Accredited or Provisionally Accredited Levee, Dike, or Floodwall
 - Non-accredited Levee, Dike, or Floodwall
 - BM5510_D North Carolina Geodetic Survey bench mark
 - BM5510_? National Geodetic Survey bench mark
 - BM5510_Z Contractor Est. NCFMP Survey bench mark
 - 112-18-2 Cross Sections with 1% Annual Chance Water Surface Elevation (BFE)
 - Coastal Transect
 - Coastal Transect Baseline
 - Profile Baseline
 - Hydrographic Feature
 - Limit of Study
 - Jurisdiction Boundary

NOTES TO USERS

For information and questions about this map, available products associated with this FIRM including historic versions of this FIRM, how to order products or the National Flood Insurance Program in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Map Service Center website at <http://msc.fema.gov>. An accompanying Flood Insurance Study report, Letter of Map Revision (LOMR) or Letter of Map Amendment (LOMA) revising portions of this panel, and digital versions of this FIRM may be available. Visit the North Carolina Floodplain Mapping Program website at <http://www.ncfloodmaps.com> or contact the FEMA Map Service Center.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Map Service Center at the number listed above.

For community and countywide map dates refer to the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in the community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

Base map information shown on this FIRM was provided in digital format by the North Carolina Floodplain Mapping Program (NCFMP). The source of this information can be determined from the metadata available in the digital FLOOD database and in the Technical Support Data Notebook (TSDN).

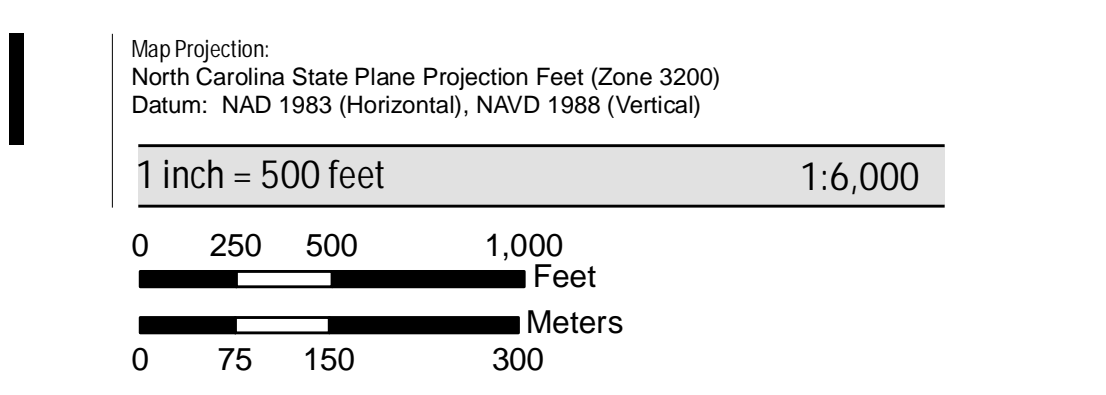
ACCREDITED LEEVE NOTES TO USERS: If an accredited levee note appears on this panel check with your local community to obtain more information, such as the estimated level of protection provided (which may exceed the 1-percent-annual-chance level) and Emergency Action Plan, on the levee system(s) shown as providing protection. To mitigate flood risk in residual risk areas, property owners and residents are encouraged to consider flood insurance and floodproofing or other protective measures. For more information on flood insurance, interested parties should visit the FEMA Website at <http://www.fema.gov/business/nfip/index.shtm>.

PROVISIONALLY ACCREDITED LEEVE NOTES TO USERS: If a Provisionally Accredited Levee (PAL) note appears on this panel, check with your local community to obtain more information, such as the estimated level of protection provided (which may exceed the 1-percent-annual-chance level) and Emergency Action Plan, on the levee system(s) shown as providing protection. To maintain accreditation, the levee owner or community is required to submit the data and documentation necessary to comply with Section 65.10 of the NFIP regulations. If the community or owner does not provide the necessary data and documentation or if the data and documentation provided indicates the levee system does not comply with Section 65.10 requirements, FEMA will revise the flood hazard and risk information for this area to reflect de-accreditation of the levee system. To mitigate flood risk in residual risk areas, property owners and residents are encouraged to consider flood insurance and floodproofing or other protective measures. For more information on flood insurance, interested parties should visit the FEMA Website at <http://www.fema.gov/business/nfip/index.shtm>.

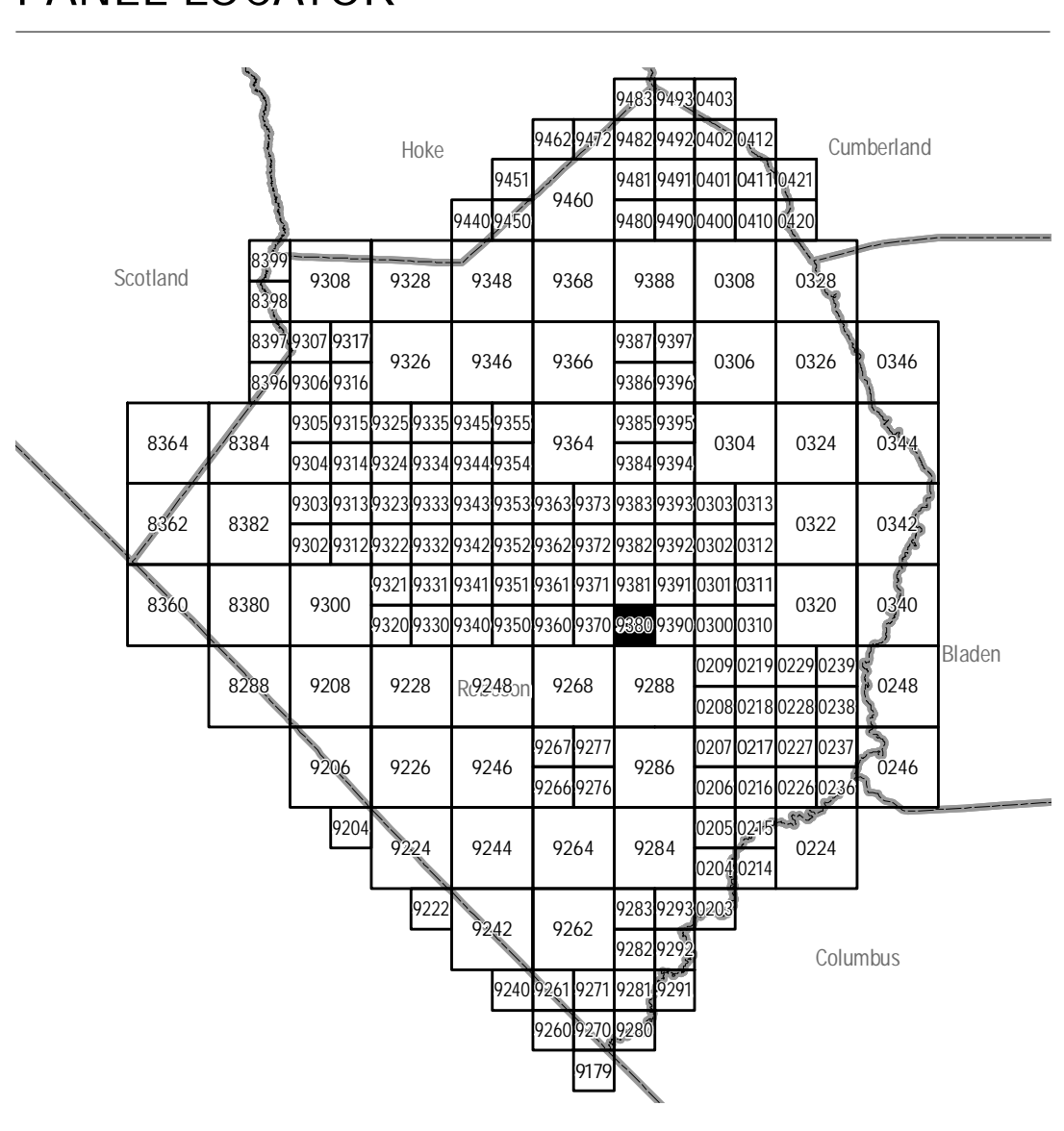
LIMIT OF MODERATE WAVE ACTION NOTES TO USERS: For some coastal flooding zones the AE Zone category has been divided by a Limit of Moderate Wave Action (LMWA). The LMWA represents the approximate landward limit of the 1.5-foot breaking wave. The effects of wave hazards between the VE Zone and the LMWA (or between the shoreline and the LMWA for areas where VE Zones are not identified) will be similar to, but less severe than those in the VE Zone.

- COASTAL BARRIER RESOURCES SYSTEM (CBRS) NOTE**
- This map may include approximate boundaries of the CBRS for informational purposes only. Flood insurance is not available within CBRS areas for structures that are newly built or substantially improved on or after the date(s) indicated on the map. For more information see http://www.fws.gov/habitatconservation/coastal_barrier.html, the FIS Report, or call the U.S. Fish and Wildlife Service Customer Service Center at 1-800-344-WILD.
- CBRS Area
- Otherwise Protected Area

SCALE



PANEL LOCATOR



FEDERAL EMERGENCY MANAGEMENT AGENCY
National Flood Insurance Program

NORTH CAROLINA FLOODPLAIN MAPPING PROGRAM
NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

NORTH CAROLINA

PANEL 9380

Panel Contains:

COMMUNITY	CID	PANEL	SUFFIX
LUMBERTON, CITY OF	370203	9380	K
ROBESON COUNTY	370202	9380	K

PRELIMINARY
08/29/2014

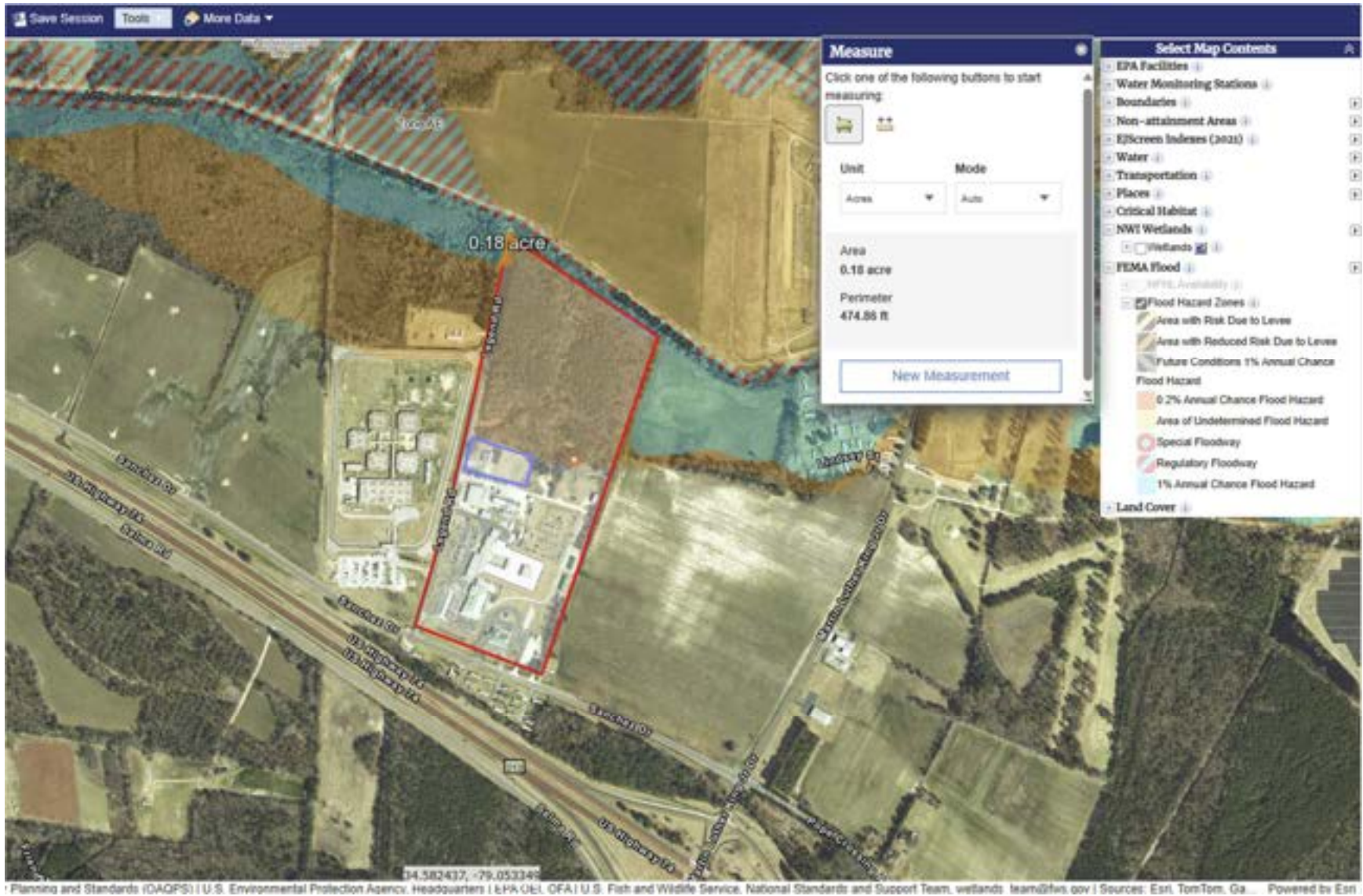
FEDERAL EMERGENCY MANAGEMENT AGENCY
NORTH CAROLINA
Cooperating Technical State
FEMA'S COOPERATING TECHNICAL PARTNER

MAP NUMBER
3710938000K

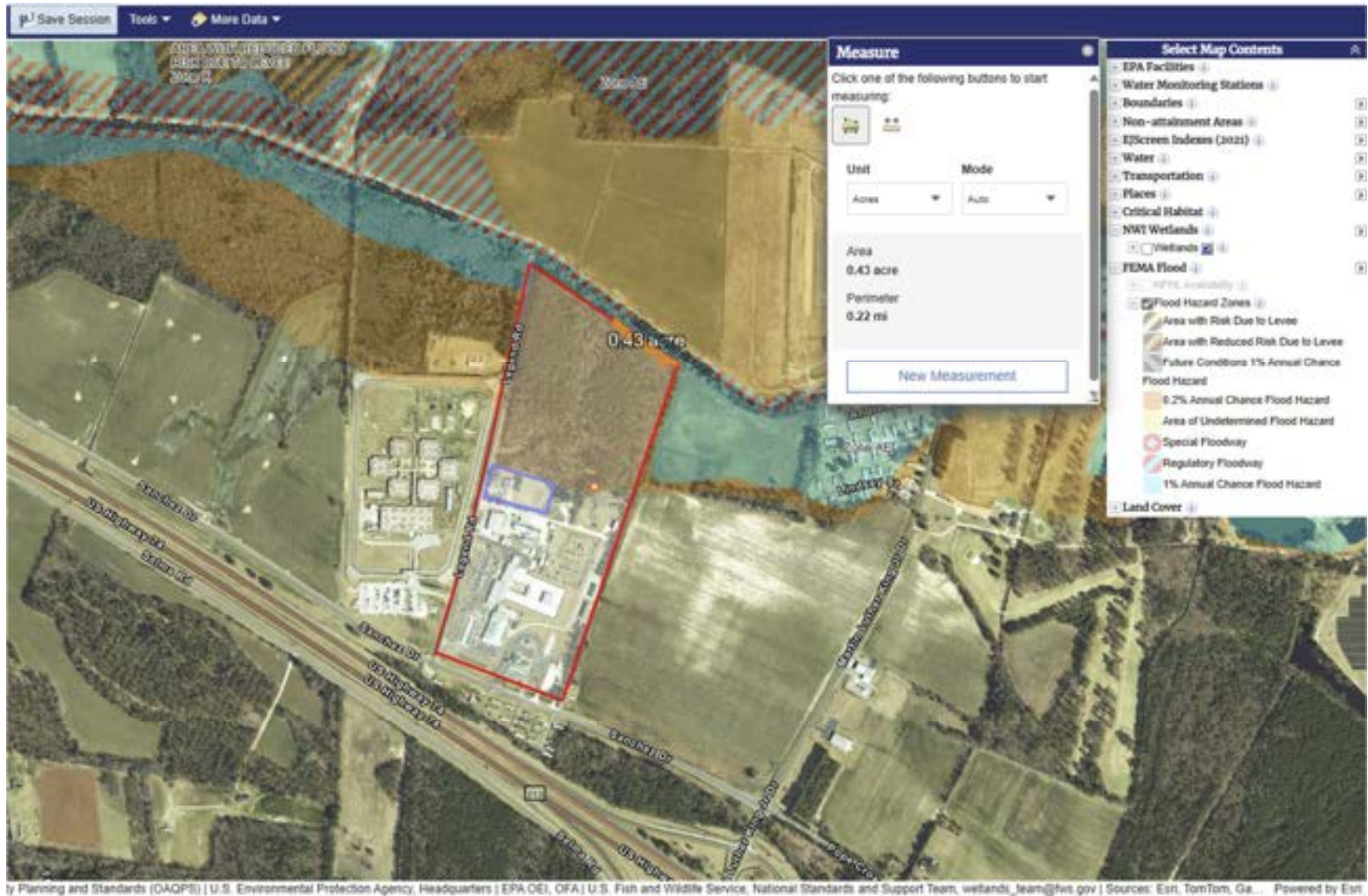
Legend Road Water Tank – Distance to 100-Year Floodplain (Zone AE)



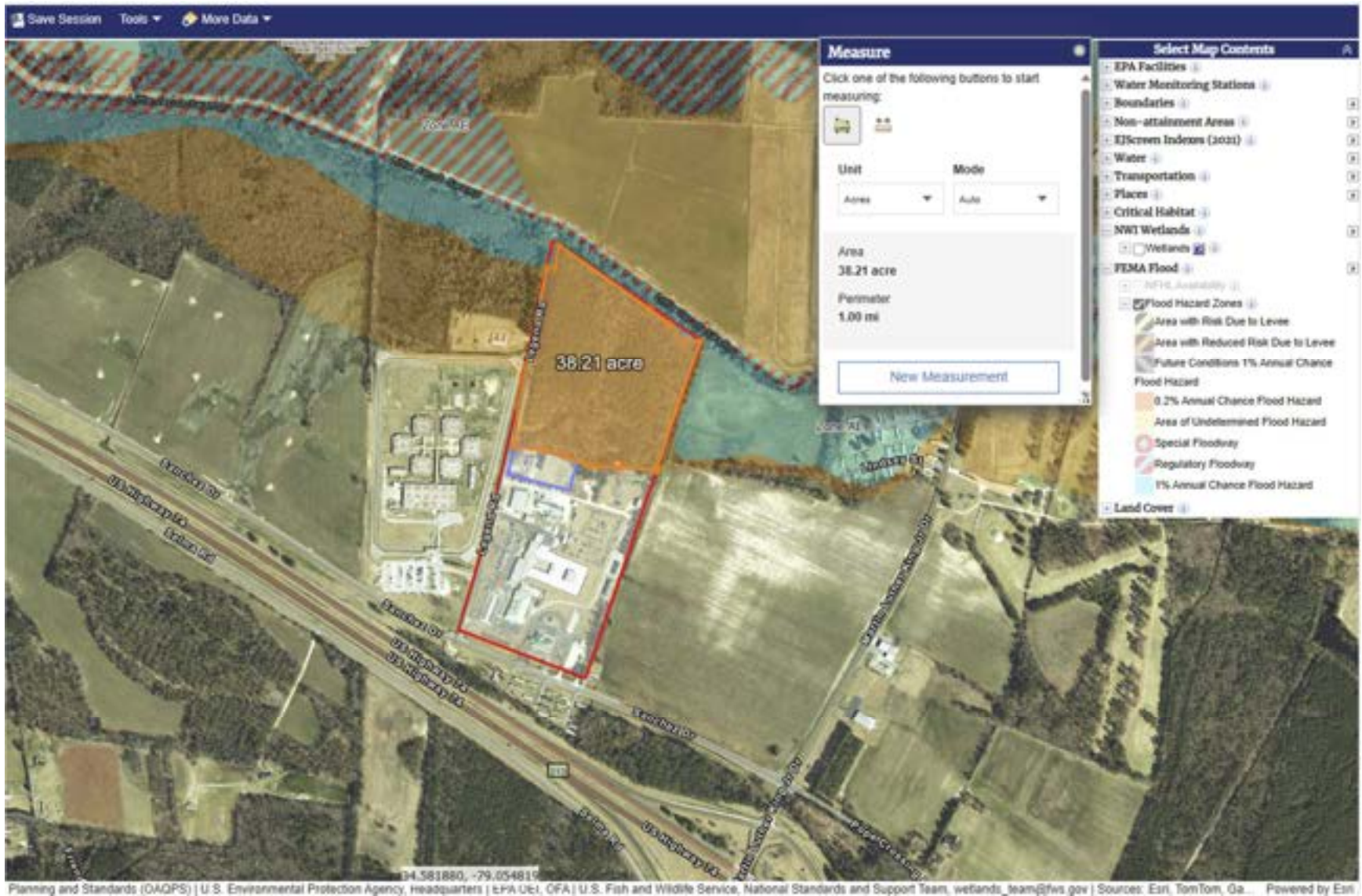
Legend Road Water Tank – 100-Year Floodplain (0.18 Acre)



Legend Road Water Tank –1100-Year Floodplain (0.43 Acre)



Legend Road Water Tank – 500-Year Floodplain (38.21 Acres)





Community Status Book Report

Communities Participating in the National Flood Program



NORTH CAROLINA

CID	Community Name	County	Init FHBM Identified	Init FIRM Identified	Curr Eff Map Date	Reg-Emer Date	Tribal	CRS Entry Date	Curr Eff Date	Curr Class	% Disc SFHA	% Disc Non SFHA
370323#	LOWELL, CITY OF	GASTON COUNTY	08/15/75	03/05/90	11/04/09	03/05/90	No					
370537#	LUCAMA, TOWN OF	WILSON COUNTY		11/03/04	04/16/13	11/03/04	No					
370203K	LUMBERTON, CITY OF	ROBESON COUNTY	06/28/74	11/05/80	12/06/19	11/05/80	No					
370090K	MACCLESFIELD, TOWN OF	EDGEcombe COUNTY	12/28/73	03/18/80	06/02/15	03/25/80	No					
370150#	MACON COUNTY *	MACON COUNTY	06/30/78	06/01/01	04/19/10	06/01/01	No					
370152#	MADISON COUNTY *	MADISON COUNTY	07/22/77	09/02/82	01/06/10	09/02/82	No					
370207#	MADISON, TOWN OF	ROCKINGHAM COUNTY	11/22/74	11/16/77	01/02/09	11/16/77	No					
370389#	MAGGIE VALLEY, TOWN OF	HAYWOOD COUNTY	07/08/77	04/17/84	04/03/12	04/17/84	No					
370669#	MAGNOLIA, TOWN OF	DUPLIN COUNTY		02/16/06	02/16/07	07/23/10	No					
370056#	MAIDEN, TOWNSHIP OF	LINCOLN COUNTY/CATAWBA COUNTY	09/20/74	09/03/80	07/07/09	09/03/80	No					
375355K	MANTEO, TOWN OF	DARE COUNTY	01/12/73	01/12/73	06/19/20	01/05/73	No	10/01/91	10/01/21	5	25%	10%
370266#	MARION, CITY OF	MCDOWELL COUNTY	09/10/82	07/15/88	01/06/10	05/01/87	No					
370385#	MARS HILL, TOWN OF	MADISON COUNTY	07/02/76	08/19/87	01/06/10	08/19/87	No					
370154#	MARSHALL, TOWN OF	MADISON COUNTY	06/14/74	05/15/78	01/06/10	05/15/78	No					
370474#	MARSHVILLE, TOWN OF	UNION COUNTY		07/05/94	03/02/09	12/15/09	No					
370155K	MARTIN COUNTY *	MARTIN COUNTY	11/29/74	07/16/91	06/19/20	07/16/91	No					
370514#	MARVIN, VILLAGE OF	UNION COUNTY		01/17/97	02/19/14	12/28/98	No					
370310#	MATTHEWS, TOWN OF	MECKLENBURG COUNTY		02/04/04	02/19/14	02/04/04	No					
370587F	MAXTON, TOWN OF	SCOTLAND COUNTY/ROBESON COUNTY		01/19/05	12/06/19	05/26/20	No					
370208#	MAYODAN, TOWN OF	ROCKINGHAM COUNTY		07/18/77	01/02/09	07/18/77	No					
370330#	MAYSVILLE, TOWN OF	JONES COUNTY		07/02/04	02/16/06	08/19/86	No					
370101#	MCADENVILLE, TOWN OF	GASTON COUNTY	06/21/74	06/01/87	11/04/09	06/01/87	No					
370148#	MCDOWELL COUNTY*	MCDOWELL COUNTY	12/20/74	07/15/88	01/06/10	07/15/88	No					
370390J	MEBANE, CITY OF	ORANGE COUNTY/ALAMANCE COUNTY		11/05/80	11/17/17	11/05/80	No					
370158F	MECKLENBURG COUNTY *	MECKLENBURG COUNTY	10/22/76	06/01/81	11/16/18	06/01/81	No	10/01/91	04/01/21	5	25%	10%
370426L	MESIC, TOWN OF	PAMLICO COUNTY		07/02/04	06/19/20	09/04/85	No	05/01/19	04/01/21	8	10%	05%
370500J	MICRO, TOWN OF	JOHNSTON COUNTY		10/20/00	06/20/18	11/08/16	No					
370445#	MIDDLESEX, TOWN OF	NASH COUNTY		01/20/82	07/07/14	03/19/99	No					
370182L	MIDLAND, TOWN OF	CABARRUS COUNTY	12/27/74	05/05/81	11/16/18	06/01/09	No					
370393#	MIDWAY, TOWN OF	DAVIDSON COUNTY		03/16/09	06/16/09	02/05/19	No					
370529#	MINERAL SPRINGS, TOWN OF	UNION COUNTY		07/18/83	03/02/09	05/17/00	No					
370418K	MINNESOTT BEACH, TOWN OF	PAMLICO COUNTY	03/02/79	08/05/85	06/19/20	09/23/85	No	10/01/92	10/01/21	8	10%	05%
370539E	MINT HILL, TOWN OF	MECKLENBURG COUNTY		02/04/04	11/16/18	12/21/07	No					
370026#	MISENHEIMER, VILLAGE OF	STANLY COUNTY		09/03/08	06/16/09	02/17/10	No					
370161#	MITCHELL COUNTY *	MITCHELL COUNTY	06/30/78	09/04/86	06/02/09	09/04/86	No					
370309#	MOCKSVILLE, TOWN OF	DAVIE COUNTY	07/11/75	06/27/00	06/16/09	09/17/08	No					
370657#	MOMEYER, TOWN OF	NASH COUNTY		11/03/04	(NSFHA)	12/29/05	No					
370236#	MONROE, CITY OF	UNION COUNTY	09/20/74	01/19/83	03/02/09	01/19/83	No					
370336#	MONTGOMERY COUNTY*	MONTGOMERY COUNTY	10/13/78	06/01/81	06/16/09	02/20/97	No					
370476#	MONTREAT, TOWN OF	BUNCOMBE COUNTY		05/06/96	01/06/10	09/19/05	No					
370164H	MOORE COUNTY *	MOORE COUNTY	10/13/78	12/15/89	11/17/17	12/15/89	No					
370314#	MOORESVILLE, TOWN OF	IREDELL COUNTY	04/25/75	05/01/80	06/16/09	05/01/80	No					
370048#	MOREHEAD CITY, TOWN OF	CARTERET COUNTY	02/22/74	02/16/77	11/03/05	02/16/77	No	10/01/92	05/01/20	6	20%	10%
370035#	MORGANTON, CITY OF	BURKE COUNTY	03/22/74	02/19/87	07/07/09	02/19/87	No					
370242K	MORRISVILLE, TOWN OF	WAKE COUNTY	10/29/76	11/01/78	07/19/22	11/01/78	No					
370226B	MOUNT AIRY, CITY OF	SURRY COUNTY	06/28/74	12/01/81	11/18/16	12/01/81	No					
370102L	MOUNT HOLLY, CITY OF	GASTON COUNTY	01/09/74	09/28/79	09/02/15	09/28/79	No					
370369K	MOUNT OLIVE, TOWN OF	DUPLIN COUNTY/WAYNE COUNTY	06/17/77	02/17/82	06/20/18	02/17/82	No					
370470J	MOUNT PLEASANT, TOWN OF	CABARRUS COUNTY		11/02/94	11/16/18	02/24/12	No					
370419#	MURFREESBORO, TOWN OF	HERTFORD COUNTY	11/10/78	06/01/87	08/03/09	06/01/87	No					
370061#	MURPHY, TOWN OF	CHEROKEE COUNTY	03/08/74	07/03/86	04/19/10(M)	07/03/86	No					
375356K	NAGS HEAD, TOWN OF	DARE COUNTY		11/10/72	06/19/20	11/10/72	No	10/01/91	04/01/22	5	25%	10%












**USFWS National Wetlands Inventory
(NWI) Maps Showing Parcel Boundary,
Distance from Proposed Activity's Limit
of Disturbance, and Total Acreage
Amounts, and LIDAR Map from
USACE**

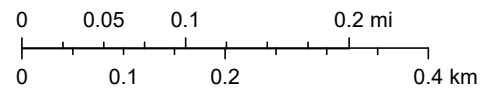
Legend Road Water Tank - NWI Map



January 16, 2024

1:9,028

- | | | | |
|--|-----------------------------------|---|---------------------|
|  | Legend Road Water Tank - NWI Map |  | Lake |
| Wetlands | |  | Other |
|  | Estuarine and Marine Deepwater |  | Riverine |
|  | Estuarine and Marine Wetland |  | Proposed Water Tank |
|  | Freshwater Emergent Wetland |  | Excluded Parcel |
|  | Freshwater Forested/Shrub Wetland | | |
|  | Freshwater Pond | | |

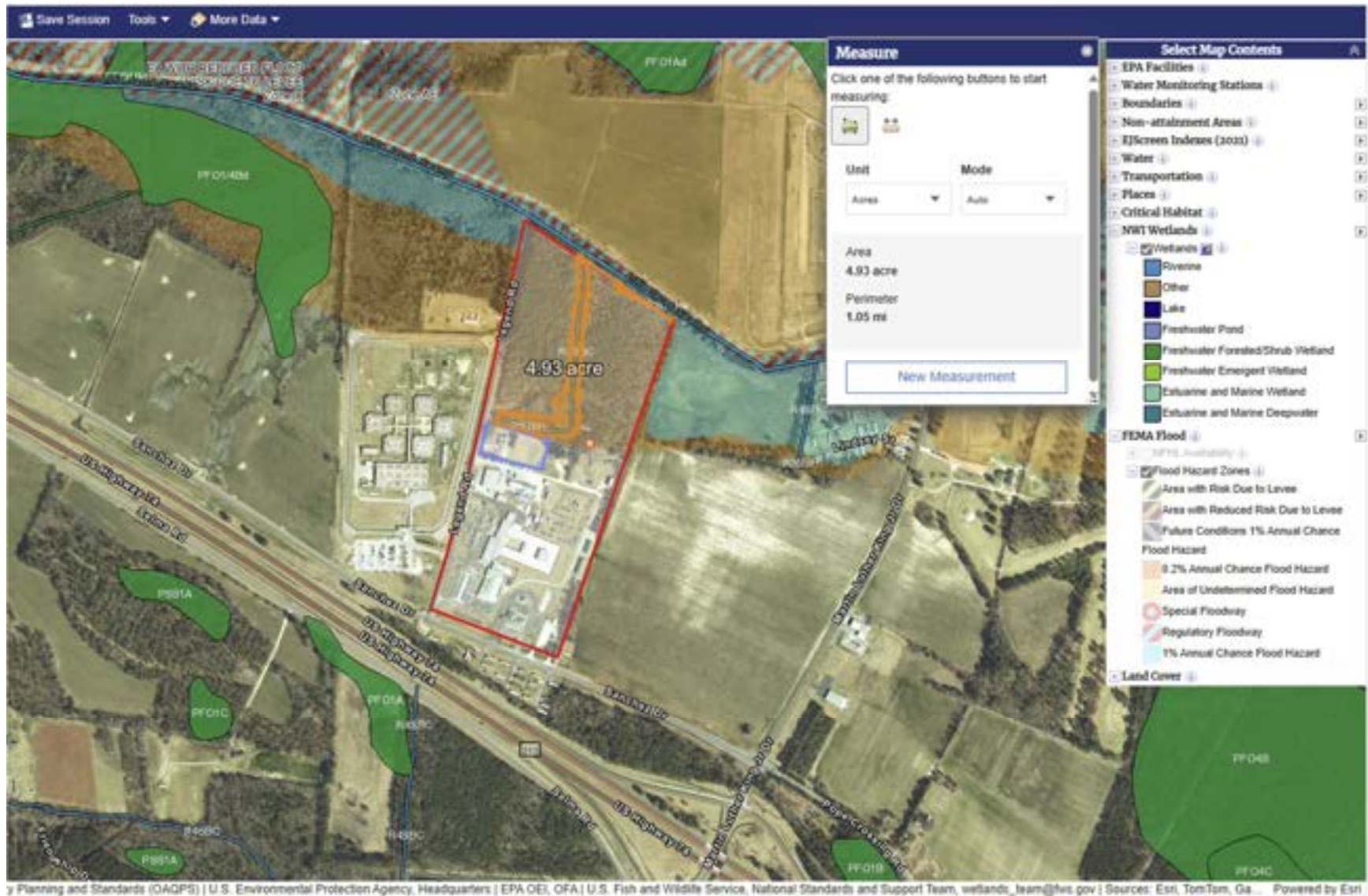


U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands_team@fws.gov, NC CGIA, Maxar, Esri Community Maps Contributors, State of North Carolina DOT, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Legend Road Water Tank – Distance from LOD to Riverine/Wetland

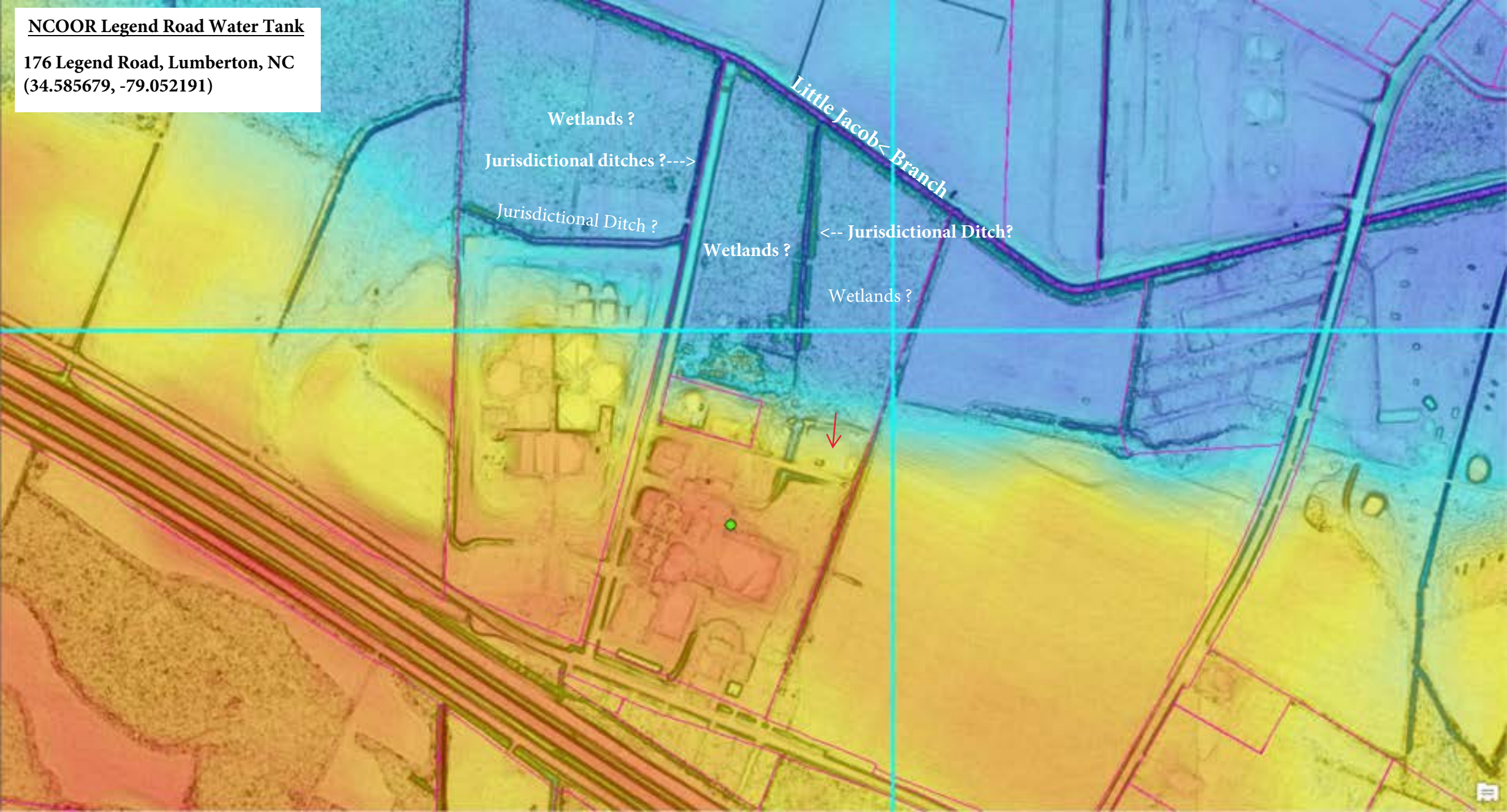


Legend Road Water Tank – Wetlands Estimated Total Acreage



NCOOR Legend Road Water Tank

**176 Legend Road, Lumberton, NC
(34.585679, -79.052191)**



Wetlands ?

Jurisdictional ditches ?--->

Jurisdictional Ditch ?

Wetlands ?

<-- Jurisdictional Ditch?

Wetlands ?

Little Jacob Branch



**USACE and NC DEQ DWR
Correspondence**

Gievers, Andrea

From: Beecher, Gary H CIV USARMY CESAW (USA) <Gary.H.Beecher@usace.army.mil>
Sent: Monday, January 22, 2024 10:41 AM
To: Gievers, Andrea
Cc: Turlington, Chad
Subject: RE: [External] RE: NCORR Legend Rd Water Tank Project - Finalizing Review

CAUTION: External email. Do not click links or open attachments unless verified. Report suspicious emails with the Report Message button located on your Outlook menu bar on the Home tab.

Andrea,

When I lived in Kodiak, Alaska my roommate was from Minnesota. Apparently Minnesota has "VERY" cold and "VERY" long winters.

Based on Lidar maps, Soils maps, project maps and NWI maps the Corps concurs that this proposed water tower project will not impact Wetlands or Waters of the US (WOUS).

Since there will be no WOUS impacts, a Pre-Application Notice (PCN) or permit will not be required.

USACE Project ID:
SAW-2024-00164

This email concludes and closes out the Corps review process. Please let me know if the scope, size or the location of the project changes.

Respectfully,
Gary



US Army Corps
of Engineers
Wilmington District



Gary Beecher
USACE Wilmington Field Office
Regulatory Project Manager
Office (910) 251-4694
Cell (910) 473-7045
gary.h.beecher@usace.army.mil

From: Gievers, Andrea <andrea.l.gievers@rebuild.nc.gov>
Sent: Monday, January 22, 2024 9:41 AM
To: Beecher, Gary H CIV USARMY CESAW (USA) <Gary.H.Beecher@usace.army.mil>
Subject: [Non-DoD Source] FW: [External] RE: NCORR Legend Rd Water Tank Project - Finalizing Review

Yes, it is a cold morning up here in New York, but I'm thankful to no longer be in Minnesota, brr. This is the same project for which I sent the Early Notice. Hopefully, everything is included that you need, attached and below. Just let me know if there is anything else you need. Thanks so much! And stay warm!

Sincerely,

Andrea Gievers

From: Gievers, Andrea

Sent: Wednesday, January 17, 2024 11:50 AM

To: Beecher, Gary H CIV USARMY CESAW (USA) <Gary.H.Beecher@usace.army.mil>

Cc: Turlington, Chad <chad.turlington@deq.nc.gov>

Subject: RE: [External] RE: NCORR Legend Rd Water Tank Project - Finalizing Review

Hi Gary:

Just checking in as I am finalizing the review. I had to correct the County GIS boundary with the survey because it was shifted. Chad said no DWR buffers are required. There should be no CWA Section 404 or 401 permits required. The Legend Rd Water Tank project has been designed to *avoid wetlands and floodplain*, thus, there are no anticipated impacts. **There has been previous, significant site modification including fill and development for the existing fenced-in water treatment facility and roads (see below) where site disturbance is planned.** The closest onsite USFWS NWI-mapped riverine (R5UBH) and potential wetland is *approximately 250 feet* northwest from the limit of disturbance. Another NWI-mapped riverine (R4SBC) and potential wetland connects north to Little Jacob Swamp. I have attached the project location maps and site plans along with the NWI maps and the LIDAR map you sent me. Thanks so much for your help and let me know if you need anything else! Hope you both have a fabulous New Year!

Legend Road Water Tank – Action Area



Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM

Environmental SME

Community Development

NC Office of Recovery and Resiliency

Andrea.L.Gievers@Rebuild.NC.Gov

(845) 682-1700

From: Gievers, Andrea

Sent: Thursday, September 28, 2023 12:55 PM

To: Beecher, Gary H CIV USARMY CESAW (USA) <Gary.H.Beecher@usace.army.mil>

Cc: Turlington, Chad <chad.turlington@deq.nc.gov>

Subject: RE: [External] RE: NCORR Legend Rd Water Tank Project - 401 Water Quality Certification Check

Hi Gary:

Please let me know if there are any buffer requirements, etc. for the record. The tank and water main will be installed in previously disturbed land that does not include any wetlands, see email below.

There are USFWS National Wetlands Inventory (NWI) mapped riverines located on the Subject Property. Based on the USFWS NWI maps and site visit, the proposed project development area is not located in or adjacent to a wetland or riverine. Along the northern Subject Property boundary is Little Jacob Swamp which is a riverine (R2UBHx) (approximately 0.24-mile from proposed water tank). Another riverine runs from the Little Jacob Swamp through the center of the Subject Property (R4SBC) then west just north of the excluded Methodist Home for Children's parcel (R5UBH) and is approximately 238 feet from the proposed water tank.



Sincerely,

Andrea Gievers

From: Gievers, Andrea

Sent: Tuesday, September 19, 2023 9:36 AM

To: Beecher, Gary H CIV USARMY CESAW (USA) <Gary.H.Beecher@usace.army.mil>

Cc: Turlington, Chad <chad.turlington@deq.nc.gov>

Subject: RE: [External] RE: NCORR Legend Rd Water Tank Project - 401 Water Quality Certification Check

Thanks, Gary. The water tank will go in the cleared, fenced-in area by the water treatment facility, see red line for proposed water mains and tank locations. I have attached the location maps, site plans, floodplain maps, and NWI map. Let me know if you have any questions. Thank you so much!



Sincerely,

Andrea Gievers

From: Beecher, Gary H CIV USARMY CESAW (USA) <Gary.H.Beecher@usace.army.mil>

Sent: Tuesday, September 19, 2023 8:59 AM

To: Turlington, Chad <chad.turlington@deq.nc.gov>; Gievers, Andrea <andrea.l.gievers@rebuild.nc.gov>

Subject: [External] RE: NCORR Legend Rd Water Tank Project - 401 Water Quality Certification Check

CAUTION: External email. Do not click links or open attachments unless verified. Report suspicious emails with the Report Message button located on your Outlook menu bar on the Home tab.

Andrea,

It looks like there may be wetlands towards the back of the property, and some of those ditches may be jurisdictional Waters.

Do you have a map or plan that shows where the water tank will go?

Thanks,
Gary



**US Army Corps
of Engineers**
Wilmington District



Gary Beecher
USACE Wilmington Field Office
Regulatory Project Manager
Office (910) 251-4694
Cell (910) 473-7045
gary.h.beecher@usace.army.mil

From: Turlington, Chad <chad.turlington@deq.nc.gov>

Sent: Tuesday, September 19, 2023 7:57 AM

To: Gievers, Andrea <andrea.l.gievers@rebuild.nc.gov>

Cc: Beecher, Gary H CIV USARMY CESAW (USA) <Gary.H.Beecher@usace.army.mil>

Subject: [Non-DoD Source] RE: NCORR Legend Rd Water Tank Project - 401 Water Quality Certification Check

Andrea,

There are no Division of Water Resources buffers required at the location of this proposed project. Since a 401 Certification would be linked to any potential 404 permit, the Corps of Engineers should be contacted to determine if there are any Waters of the US present, and if 404/401 permitting would be required. The Corps contact for Robeson County is Gary Beecher at Gary.H.Beecher@usace.army.mil.

Please note that our email addresses are being updated: chad.turlington@deq.nc.gov

Chad Turlington
Environmental Specialist
North Carolina Department of Environmental Quality
Office: (910) 433-3320

chad.turlington@deq.nc.gov



Email correspondence to and from this address is subject to the North Carolina Public Records Law and may be disclosed to third parties.

From: Gievers, Andrea <andrea.l.gievers@rebuild.nc.gov>
Sent: Friday, September 15, 2023 2:58 PM
To: Turlington, Chad <chad.turlington@deq.nc.gov>
Subject: NCORR Legend Rd Water Tank Project - 401 Water Quality Certification Check

Hello:

The North Carolina Office of Recovery and Resiliency (NCORR) as a recipient of Community Development Block Grant – Mitigation (CDBG-MIT) funds from the United States Department of Housing and Urban Development (HUD) is considering funding this proposed Infrastructure Recovery Program project, Legend Road Water Tank at **176 Legend Road, Lumberton, Robeson County, NC 28358** (see Attachment 1). *Please let us know if there are any 401 Water Quality Certification permit or buffer requirements from your office.* Based on the USFWS NWI maps and site visit, the proposed project development area is not located in or adjacent to a wetland or riverine (see Attachment 13). Along the northern Subject Property boundary is Little Jacob Swamp which is a riverine (R2UBHx) (approximately 0.24-mile from proposed water tank). Another riverine runs from the Little Jacob Swamp through the center of the Subject Property (R4SBC) then west just north of the excluded Methodist Home for Children’s parcel (R5UBH). The elevated water storage tank, altitude valve vault and water main will be constructed on a previously cleared, fenced-in portion of this large County parcel situated east of the Methodist Home for Children’s parcel and north of several Robeson County public facilities. The proposed project development area that is fenced-in currently contains the existing well, aeration basin, high service pumps, equalization basin, generator, and water treatment plant. An 8-inch to 12-inch PVC water main and associated valves will be installed in the paved parking area and gravel driveway/unnamed road running east-west to Legend Road between the fenced-in proposed tank and existing treatment facility and the Public Utilities buildings and Robeson County Ambulance Service/EMS. There are no wetlands in the area where project activities are proposed. Please feel free to contact me if you have any questions. Thank you so much for your time and assistance!

Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM
Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700

Email correspondence to and from this address may be subject to the North Carolina Public Records Law and may be disclosed to third parties by an authorized state official.

APPENDIX 2

- **Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland**
- **Affidavit for Publication of Early Notice**
- **Distribution List to Interested Agencies, Groups and Individuals**
- **Early Notice Comments**



North Carolina Department of Public Safety

Office of Recovery and Resiliency

Roy Cooper, Governor
Eddie M. Buffaloe, Jr., Secretary

Laura H. Hogshead, Director

EARLY NOTICE AND PUBLIC REVIEW OF A PROPOSED ACTIVITY IN A 100-YEAR FLOODPLAIN AND WETLAND

LEGEND ROAD WATER TANK 176 LEGEND ROAD, LUMBERTON, ROBESON COUNTY, NC 28358 January 20, 2024

To: All interested Agencies, Groups and Individuals

This is to give notice that the North Carolina Office of Recovery and Resiliency (NCORR) has received an application from Robeson County to use U.S. Department of Housing and Urban Development (HUD) Community Development Block Grant – Mitigation (CDBG-MIT) funding from the Infrastructure Recovery Program to implement the Legend Road Water Tank project (Proposed Activity) located at 176 Legend Road, Lumberton, Robeson County, NC 28358 which contains 100-year floodplain and wetlands. NCORR is conducting an evaluation as required by Executive Orders 11988 and 11990 in accordance with HUD regulations (24 CFR Part 55). There are three primary purposes for this notice. First, to provide the public an opportunity to express their concerns and share information about the Proposed Activity, including alternative locations outside of the floodplain and wetland. Second, adequate public notice is an important public education tool. The dissemination of information about floodplains and wetlands facilitates and enhances governmental efforts to reduce the risks associated with the occupancy and modification of these special areas. Third, as a matter of fairness, when the government determines it will participate in actions taking place in floodplain and wetland, it must inform those who may be put at greater or continued risk.

The State of North Carolina was adversely impacted by the landfall of Hurricanes Matthew (October 8, 2016) and Florence (September 14, 2018). The Proposed Activity is needed to prevent future water service interruptions as experienced during Hurricane Matthew and to allow for the continued operation of the public facilities located along Legend and Sanchez Roads during future storm events. During and immediately following Hurricane Matthew, potable water had to be transported to these facilities, both by truck and through individual bottled servings. The Proposed Activity's installation of an elevated water storage tank in the vicinity of the Robeson County Emergency Operations Center, Sheriff's Office and Jail, Emergency Medical Services, Water Department, and Public Utilities buildings will avoid system pressure loss at these County facilities and the adjacent NC Department of Corrections' Lumberton Correctional Institution. In addition, the NC Division of Water Resources (DWR) Public Water Supply Section's water systems requirement to maintain a minimum pressure of 30 psi for normal conditions and 20 psi for fire flow will be achieved. It is critical for public health and continued operations that these facilities have adequate water supply during emergencies and future storm events.

Mailing Address:
Post Office Box 110465
Durham, NC 27709



Phone: (984) 833-5350
www.ncdps.gov
www.rebuild.nc.gov

An Equal Opportunity Employer

The Proposed Activity will construct a 500,000-gallon elevated water storage tank, altitude valve vault, fire hydrant, water mains, gravel access drive, and associated improvements. The Proposed Activity includes procurement of architectural and engineering services, soils testing, boundary surveys, and construction. Construction will involve extensive land clearing and excavation, trenching, placement of concrete foundations, installation of a 500,000-gallon elevated water storage tank and piping, and connections to the existing 12-inch water main on Legend Road and the existing 8-inch water main that ties into Sanchez Road. There is an existing chain link fence and gate around the Proposed Activity development area where the elevated water storage tank and altitude valve vault will be located. There will be an estimated 0.20 acre of ground disturbance.

The Proposed Activity will not result in any direct or indirect impacts to wetlands, 500-Year Floodplain, 100-Year Floodplain or Floodway. This 60.96-acre County-owned parcel contains approximately 38.21 acres of 500-Year Floodplain, 0.61 acre of 100-Year Floodplain, and no Floodway. The Proposed Activity's limit of disturbance (LOD) will occur approximately 50 feet from the 500-Year Floodplain, 0.24-mile from 100-Year Floodplain (Zone AE), and 0.25-mile from Floodway. The Little Jacob Swamp riverine is located north of the parcel boundary approximately 0.25-mile from the Proposed Activity's LOD and will not be adversely impacted by the Proposed Activity. The closest onsite USFWS National Wetlands Inventory (NWI)-mapped riverine (R5UBH) and potential wetland is approximately 250 feet northwest from the Proposed Activity's LOD. Another NWI-mapped riverine (R4SBC) and potential wetland connects north to Little Jacob Swamp. These potential wetland areas encompass approximately 5 acres of the parcel. The Proposed Activity will comply with all applicable federal, State and local laws, regulations, and permit requirements and conditions which shall be obtained before commencing work. NC DWR buffers and Clean Water Act Section 404 and 401 permits are not required. Best management practices for erosion and sedimentation control such as silt fencing will be utilized during construction and native plants used in site restoration. Natural floodplains and wetlands provide flood risk reduction benefits by slowing runoff and storing flood water. In addition, floodplains and wetlands are beneficial by providing diverse wildlife habitat, flood and erosion control, surface water quality maintenance, groundwater recharge, and educational, scientific, cultural, and recreational resources. Wetlands have unique natural characteristics that play an integral role in the ecology of the watershed. The Proposed Activity has been designed to avoid wetlands and floodplain, thus, there are no anticipated impacts on the natural and beneficial functions and values of the wetlands or 100-Year Floodplain. There has been previous, significant site modification including fill and development for the existing fenced-in water treatment plant and roads where site disturbance is planned. The Proposed Activity is wholly located in Zone X, an area of minimal flood hazard (outside of floodplain), and will not adversely impact these special areas.

The location maps, site plans, FEMA Flood Insurance Rate Map (FIRM), Preliminary FIRM, USFWS NWI Map, USACE and NC DWR correspondence, and supporting documentation are available for review at <https://www.rebuild.nc.gov/about/plans-policies-reports/environmental-reviews>. A full description of the Proposed Activity may also be viewed in person, by appointment only, at: NCORR, 200 Park Offices Drive, Durham, NC 27709. Call (984) 833-5350 to make an appointment.

Written comments must be received by NCORR at the following address on or before February 5, 2024: Matthew Arlyn, Chief Recovery Officer, NCORR, ATTN: Legend Road Water Tank, P.O. Box 110465, Durham, NC 27709. Comments may also be submitted by email to publiccomments@rebuild.nc.gov with "ATTN: Legend Road Water Tank Comments" in the subject line.

January 20, 2024

Little Jacob Swamp riverine is located north of the parcel boundary approximately 0.25-mile from the Proposed Activity's LOD and will not be adversely impacted by the Proposed Activity. The closest onsite USFWS National Wetlands Inventory (NWI)-mapped riverine (R5UBH) and potential wetland is approximately 250 feet northwest from the Proposed Activity's LOD. Another NWI-mapped riverine (R4SBC) and potential wetland connects north to Little Jacob Swamp. These potential wetland areas encompass approximately 5 acres of the parcel. The Proposed Activity will comply with all applicable federal, State and local laws, regulations, and permit requirements and conditions which shall be obtained before commencing work. NC DWR buffers and Clean Water Act Section 404 and 401 permits are not required. Best management practices for erosion and sedimentation control such as silt fencing will be utilized during construction and native plants used in site restoration. Natural floodplains and wetlands provide flood risk reduction benefits by slowing runoff and storing flood water. In addition, floodplains and wetlands are beneficial by providing diverse wildlife habitat, flood and erosion control, surface water quality maintenance, groundwater recharge, and educational, scientific, cultural, and recreational resources. Wetlands have unique natural characteristics that play an integral role in the ecology of the watershed. The Proposed Activity has been designed to avoid wetlands and floodplain, thus, there are no anticipated impacts on the natural and beneficial functions and values of the wetlands or 100-Year Floodplain. There has been previous, significant site modification including fill and development for the existing fenced-in water treatment plant and roads where site disturbance is planned. The Proposed Activity is wholly located in Zone X, an area of minimal flood hazard (outside of floodplain), and will not adversely impact these special areas.

The location maps, site plans, FEMA Flood Insurance Rate Map (FIRM), Preliminary FIRM, USFWS NWI Map, USACE and NC DWR correspondence, and supporting documentation are available for review at <https://www.rebuild.nc.gov/about/plans-policies-reports/environmental-reviews>. A full description of the Proposed Activity may also be viewed in person, by appointment only, at: NCORR, 200 Park Offices Drive, Durham, NC 27709. Call (984) 833-5350 to make an appointment.

Written comments must be received by NCORR at the following address on or before February 5, 2024: Matthew Arlyn, Chief Recovery Officer, NCORR, ATTN: Legend Road Water Tank, P.O. Box 110465, Durham, NC 27709. Comments may also be submitted by email to publiccomments@rebuild.nc.gov with "ATTN: Legend Road Water Tank Comments" in the subject line.

EARLY NOTICE FLOODPLAIN AND WETLAND DISTRIBUTION LIST

LEGEND ROAD WATER TANK

176 LEGEND ROAD, LUMBERTON, ROBESON COUNTY, NC 28358

Published in The Robesonian on 1/20/24, comments end 2/5/24

FEDERAL AGENCIES

Agency	Name & Address	Method
HUD NC	Mr. Lenwood E. Smith, II Environmental Protection Specialist HUD, Greensboro Field Office 1500 Pinecroft Road, Suite 401 Greensboro, NC 27407-3838	Lenwood.E.Smith@hud.gov
FEMA, Region IV	Ms. Gracia B. Szczech, Regional Administrator U.S. Dept. of Homeland Security FEMA, Region IV 3003 Chamblee Tucker Road Atlanta, GA 30341	FedEx
FEMA ATTN: 11988/11990	<i>Hard copies may also be mailed to</i> Attn: 11988/11990 NEPA Reviewer (EHP) DHS/FEMA RIV 3003 Chamblee Tucker Road Atlanta, GA 30341	FEMA-R4EHP@fema.dhs.gov with the subject line REVIEW REQUEST: 11988/11990 NEPA
US EPA, Region 4	Ms. Ntale Kajumba, NEPA Coordinator U.S. EPA, Region 4 Laboratory Services & Applied Science Div. 980 College Station Road Athens, GA 30605-2720	Kajumba.ntale@epa.gov
USFWS – Raleigh Field Office	USFWS – Raleigh Field Office ATTN: John Ellis P.O. Box 33726 Raleigh, NC 27636 ph.: 919-856-4520, ext. 26	john_ellis@fws.gov cc: leigh_mann@fws.gov
USACE – Wilmington District	Mr. Gary H. Beecher USACE – Wilmington District 69 Darlington Avenue Wilmington, NC 28403	Gary.H.Beecher@USACE.army.mil

TRIBES, NATIONS AND COMMUNITIES (who asked to be notified)		
Catawba Indian Nation	Dr. Wenonah George Haire, THPO ATTN: THPO Archaeology Dept. Catawba Indian Nation 1536 Tom Steven Road Rock Hill, SC 29730	Does not want Notice
Catawba Indian Nation	Chief Bill Harris Catawba Indian Nation 996 Avenue of the Nations Rock Hill, SC 29730	Does not want Notice
NC STATE AGENCIES		
STATE CLEARING-HOUSE	Ms. Crystal Best North Carolina Department of Administration State Environmental Review Clearinghouse 1301 Mail Service Center Raleigh, North Carolina 27699-1301	State.Clearinghouse@doa.nc.gov cc: crystal.best@doa.nc.gov kadisha.molyneaux@doa.nc.gov
LOCAL AGENCIES		
COUNTY	Kellie Blue Robeson County Manager 550 North Chestnut Street Lumberton, NC 28358 Phone: 910-671-3022	kellie.blue@co.robeson.nc.us
COUNTY	Tammy Freeman Clerk to the Board Robeson County 550 North Chestnut Street Lumberton, NC 28358 Phone: 910-671-3022	tammy.freeman@co.robeson.nc.us
COUNTY	Myron Neville Director of Public Works Robeson County Phone: 910-671-3488	myron.neville@co.robeson.nc.us
COUNTY	Jan Maynor	jmaynor2@nc.rr.com cc: bill.blankenship@rebuild.nc.gov
CITY	M. Brandon Love, AIA Deputy City Manager City of Lumberton P.O. Box 1388 Lumberton, NC 28359 (910) 671-3806	blove@ci.lumberton.nc.us

CITY	Rob Armstrong Director of Public Works City of Lumberton P.O. Box 1388 Lumberton, NC 28359 (910) 671-3851	rarmstrong@ci.lumberton.nc.us
CITY	Laney Mitchell-McIntosh City Clerk City of Lumberton P.O. Box 1388 Lumberton, NC 28359 910-671-3807	lmitchell- mcintosh@ci.lumberton.nc.us

Gievers, Andrea

From: Gievers, Andrea
Sent: Saturday, January 20, 2024 11:53 AM
To: Smith, Lenwood E
Subject: Public Notice - Early Notice - Legend Road Water Tank
Attachments: NCORR Early Notice Legend Rd Water Tank 1.20.24.pdf

Hello:

Please find attached the Public Notice for HUD 24 CFR §55.20(b) - *Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland* publishing January 20, 2024 for the NCORR Infrastructure Recovery Program's Legend Road Water Tank proposed project located at 176 Legend Road, Lumberton, Robeson County, NC 28358. Please feel free to contact me if you have any questions. Thank you for your time and assistance.

Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM
Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700

Gievers, Andrea

From: Gievers, Andrea
Sent: Saturday, January 20, 2024 11:55 AM
To: FEMA-R4EHP
Subject: REVIEW REQUEST: 11988/11990 NEPA - Early Notice - Legend Road Water Tank
Attachments: NCORR Early Notice Legend Rd Water Tank 1.20.24.pdf

Hello:

Please find attached the Public Notice for HUD 24 CFR §55.20(b) - *Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland* publishing January 20, 2024 for the NCORR Infrastructure Recovery Program's Legend Road Water Tank proposed project located at 176 Legend Road, Lumberton, Robeson County, NC 28358. Please feel free to contact me if you have any questions. Thank you for your time and assistance.

Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM
Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700

Gievers, Andrea

From: Gievers, Andrea
Sent: Saturday, January 20, 2024 11:56 AM
To: Kajumba, Ntale
Subject: Public Notice - Early Notice - Legend Road Water Tank
Attachments: NCORR Early Notice Legend Rd Water Tank 1.20.24.pdf

Hello:

Please find attached the Public Notice for HUD 24 CFR §55.20(b) - *Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland* publishing January 20, 2024 for the NCORR Infrastructure Recovery Program's Legend Road Water Tank proposed project located at 176 Legend Road, Lumberton, Robeson County, NC 28358. Please feel free to contact me if you have any questions. Thank you for your time and assistance.

Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM
Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700

Gievers, Andrea

From: Gievers, Andrea
Sent: Saturday, January 20, 2024 11:57 AM
To: john_ellis@fws.gov
Cc: Mann, Leigh
Subject: Public Notice - Early Notice - Legend Road Water Tank, Lumberton, NC
Attachments: NCORR Early Notice Legend Rd Water Tank 1.20.24.pdf

Hello:

Please find attached the Public Notice for HUD 24 CFR §55.20(b) - *Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland* publishing January 20, 2024 for the NCORR Infrastructure Recovery Program's Legend Road Water Tank proposed project located at 176 Legend Road, Lumberton, Robeson County, NC 28358. Please feel free to contact me if you have any questions. Thank you for your time and assistance.

Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM
Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700

Gievers, Andrea

From: Gievers, Andrea
Sent: Saturday, January 20, 2024 11:58 AM
To: Beecher, Gary H CIV USARMY CESAW (USA)
Subject: Public Notice - Early Notice - Legend Road Water Tank, Lumberton, NC
Attachments: NCORR Early Notice Legend Rd Water Tank 1.20.24.pdf

Hello:

Please find attached the Public Notice for HUD 24 CFR §55.20(b) - *Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland* publishing January 20, 2024 for the NCORR Infrastructure Recovery Program's Legend Road Water Tank proposed project located at 176 Legend Road, Lumberton, Robeson County, NC 28358. Please feel free to contact me if you have any questions. Thank you for your time and assistance.

Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM
Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700

Gievers, Andrea

From: Gievers, Andrea
Sent: Saturday, January 20, 2024 12:00 PM
To: State Clearinghouse
Cc: Best, Crystal; Molyneaux, Kadisha
Subject: Public Notice - Early Notice - Legend Road Water Tank, Lumberton, NC
Attachments: NCORR Early Notice Legend Rd Water Tank 1.20.24.pdf

Hello:

Please find attached the Public Notice for HUD 24 CFR §55.20(b) - *Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland* publishing January 20, 2024 for the NCORR Infrastructure Recovery Program's Legend Road Water Tank proposed project located at 176 Legend Road, Lumberton, Robeson County, NC 28358. The last day for public comments is **February 5, 2024**. Please feel free to contact me if you have any questions. Thank you for your time and assistance.

Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM
Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700

Gievers, Andrea

From: Gievers, Andrea
Sent: Saturday, January 20, 2024 12:00 PM
To: Blue; Kellie
Subject: Public Notice - Early Notice - Legend Road Water Tank, Lumberton, NC
Attachments: NCORR Early Notice Legend Rd Water Tank 1.20.24.pdf

Hello:

Please find attached the Public Notice for HUD 24 CFR §55.20(b) - *Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland* publishing January 20, 2024 for the NCORR Infrastructure Recovery Program's Legend Road Water Tank proposed project located at 176 Legend Road, Lumberton, Robeson County, NC 28358. Please feel free to contact me if you have any questions. Thank you for your time and assistance.

Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM
Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700

Gievers, Andrea

From: Gievers, Andrea
Sent: Saturday, January 20, 2024 12:01 PM
To: tammy.freeman@co.robeson.nc.us
Subject: Public Notice - Early Notice - Legend Road Water Tank, Lumberton, NC
Attachments: NCORR Early Notice Legend Rd Water Tank 1.20.24.pdf

Hello:

Please find attached the Public Notice for HUD 24 CFR §55.20(b) - *Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland* publishing January 20, 2024 for the NCORR Infrastructure Recovery Program's Legend Road Water Tank proposed project located at 176 Legend Road, Lumberton, Robeson County, NC 28358. Please feel free to contact me if you have any questions. Thank you for your time and assistance.

Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM
Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700

Gievers, Andrea

From: Gievers, Andrea
Sent: Saturday, January 20, 2024 12:02 PM
To: myron.neville@co.robeson.nc.us
Subject: Public Notice - Early Notice - Legend Road Water Tank, Lumberton, NC
Attachments: NCORR Early Notice Legend Rd Water Tank 1.20.24.pdf

Hello:

Please find attached the Public Notice for HUD 24 CFR §55.20(b) - *Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland* publishing January 20, 2024 for the NCORR Infrastructure Recovery Program's Legend Road Water Tank proposed project located at 176 Legend Road, Lumberton, Robeson County, NC 28358. Please feel free to contact me if you have any questions. Thank you for your time and assistance.

Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM
Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700

Gievers, Andrea

From: Gievers, Andrea
Sent: Saturday, January 20, 2024 12:03 PM
To: Jan Maynor
Cc: Blankenship, Bill
Subject: Public Notice - Early Notice - Legend Road Water Tank, Lumberton, NC
Attachments: NCORR Early Notice Legend Rd Water Tank 1.20.24.pdf

Hello:

Please find attached the Public Notice for HUD 24 CFR §55.20(b) - *Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland* publishing January 20, 2024 for the NCORR Infrastructure Recovery Program's Legend Road Water Tank proposed project located at 176 Legend Road, Lumberton, Robeson County, NC 28358. Please feel free to contact me if you have any questions. Thank you for your time and assistance.

Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM
Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700

Gievers, Andrea

From: Gievers, Andrea
Sent: Saturday, January 20, 2024 12:04 PM
To: Love, Brandon
Subject: Public Notice - Early Notice - Legend Road Water Tank, Lumberton, NC
Attachments: NCORR Early Notice Legend Rd Water Tank 1.20.24.pdf

Hello:

Please find attached the Public Notice for HUD 24 CFR §55.20(b) - *Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland* publishing January 20, 2024 for the NCORR Infrastructure Recovery Program's Legend Road Water Tank proposed project located at 176 Legend Road, Lumberton, Robeson County, NC 28358. Please feel free to contact me if you have any questions. Thank you for your time and assistance.

Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM
Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700

Gievers, Andrea

From: Gievers, Andrea
Sent: Saturday, January 20, 2024 12:05 PM
To: rarmstrong@ci.lumberton.nc.us
Subject: Public Notice - Early Notice - Legend Road Water Tank, Lumberton, NC
Attachments: NCORR Early Notice Legend Rd Water Tank 1.20.24.pdf

Hello:

Please find attached the Public Notice for HUD 24 CFR §55.20(b) - *Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland* publishing January 20, 2024 for the NCORR Infrastructure Recovery Program's Legend Road Water Tank proposed project located at 176 Legend Road, Lumberton, Robeson County, NC 28358. Please feel free to contact me if you have any questions. Thank you for your time and assistance.

Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM
Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700

Gievers, Andrea

From: Gievers, Andrea
Sent: Saturday, January 20, 2024 12:06 PM
To: Mitchell-Mcintosh, Laney
Subject: Public Notice - Early Notice - Legend Road Water Tank, Lumberton, NC
Attachments: NCORR Early Notice Legend Rd Water Tank 1.20.24.pdf

Hello:

Please find attached the Public Notice for HUD 24 CFR §55.20(b) - *Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland* publishing January 20, 2024 for the NCORR Infrastructure Recovery Program's Legend Road Water Tank proposed project located at 176 Legend Road, Lumberton, Robeson County, NC 28358. Please feel free to contact me if you have any questions. Thank you for your time and assistance.

Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM
Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700

1 From Please print and press hard.
 Date 1/20/24 Sender's FedEx Account Number 8950-9899-0
 Sender's Name Andrea Gievers Phone 845-682-1700
 Company NCORR
 Address 123 Kings Hill Road
 City Walden State NY ZIP 12586

2 Your Internal Billing Reference Legend Rd EN

3 To
 Recipient's Name Ms. Gracia Szczech Phone ()
 Company FEMA Region 4
 Address 3003 Chamblee Tucker Rd
 Address Atlanta State GA ZIP 30341

Hold Weekday
 FedEx location address REQUIRED. NOT available for FedEx First Overnight.

Hold Saturday
 FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

4 Express Package Service * To select location. Packages up to 150 lbs. For packages over 70 lbs, use the FedEx Express Package 2D Airbill.

Next Business Day	2 or 3 Business Days
<input type="checkbox"/> FedEx First Overnight Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.	<input type="checkbox"/> FedEx 2Day A.M. Second business morning. Saturday Delivery NOT available.
<input type="checkbox"/> FedEx Priority Overnight Next business morning. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.	<input checked="" type="checkbox"/> FedEx 2Day Second business afternoon. Thursday shipments will be delivered on Monday unless Saturday Delivery is selected.
<input type="checkbox"/> FedEx Standard Overnight Next business afternoon. Saturday Delivery NOT available.	<input type="checkbox"/> FedEx Express Saver Third business day. Saturday Delivery NOT available.

5 Packaging * Declared value limit \$500.

FedEx Envelope* FedEx Pak* FedEx Box FedEx Tube Other

6 Special Handling and Delivery Signature Options Fees may apply. See the FedEx Service Guide.

Saturday Delivery
 NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

No Signature Required
 Package may be left without obtaining a signature for delivery.

Direct Signature
 Someone at recipient's address may sign for delivery.

Indirect Signature
 If no one is available at recipient's address, someone at a neighboring address may sign for delivery, for residential deliveries only.

Does this shipment contain dangerous goods? *See box must be checked.*

No Yes As per attached Shipper's Declaration Yes Shipper's Declaration not required Dry Ice Dry Ice, 6 Life Cells _____ x _____ kg

Restrictions apply for dangerous goods — see the current FedEx Service Guide. Cargo Aircraft Only

7 Payment Bill to: Sender Recipient Third Party


Enter FedEx Acct. No. below

FedEx Acct. No. _____

Total Packages _____ Total Weight _____ Total Declared Value* _____

*Our liability is limited to \$100 unless you declare a higher value. See back for details. By using this airbill you agree to the service conditions on the back of this airbill and on the current FedEx Service Guide, including terms that limit our liability.

Rev. Date 071 • Form F0000 • ©2013-2014 FedEx • PRINTED IN U.S.A. 644

 **Ship it. Track it. Pay for it. All online.**
 Go to fedex.com

Early Notice Comments



Roy Cooper
Governor

Pamela B. Cashwell
Secretary

February 7, 2024

Andrea Gievers
City of Lumberton
c/o NC Department of Public Safety
Office of Recovery and Resiliency
Durham, NC 27709-

Re: SCH File # 24-E-4600-0198 Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facil

Dear Andrea Gievers:

The above referenced environmental impact information has been submitted to the State Clearinghouse under the provisions of the National Environmental Policy Act. According to G.S. 113A-10, when a state agency is required to prepare an environmental document under the provisions of federal law, the environmental document meets the provisions of the State Environmental Policy Act.

Attached to this letter are comments made by the agencies in the review of this document. If any further environmental review documents are prepared for this project, they should be forwarded to this office for intergovernmental review.

If you have any questions, please do not hesitate to contact me at (984) 236-0000.

Sincerely,

KADISHA MOLYNEAUX
State Environmental Review Clearinghouse

Attachments

Mailing
1301 Mail Service Center | Raleigh, NC 27699-1301



ncadmin.nc.gov

Location
116 West Jones St. | Raleigh NC 27603
984-236-0000 T

Control No.: 24-E-4600-0198

Date Received: 1/22/2024

County.: ROBESON

Agency Response: 2/5/2024

Review Closed: 2/5/2024

JINTAO WEN
CLEARINGHOUSE COORDINATOR
DPS - DIV OF EMERGENCY MANAGEMENT

Project Information

Type: National Environmental Policy Act ping

Applicant: City of Lumberton

Project Desc.: Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events.

Public Notice for HUD 24 CFR §55.20(b) - Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland publishing January 20, 2024

As a result of this review the following is submitted:

No Comment

Comments Below

Documents Attached

Reviewed By: JINTAO WEN

Date: 2/5/2024

Control No.: 24-E-4600-0198

Date Received: 1/22/2024

County.: ROBESON

Agency Response: 2/5/2024

Review Closed: 2/5/2024

JESSICA MOSLEY
CLEARINGHOUSE COORDINATOR
DEPT OF TRANSPORTATION

Project Information

Type: National Environmental Policy Act ping

Applicant: City of Lumberton

Project Desc.: Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events.

Public Notice for HUD 24 CFR §55.20(b) - Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland publishing January 20, 2024

As a result of this review the following is submitted:

No Comment

Comments Below

Documents Attached

Reviewed By: JESSICA MOSLEY

Date: 1/26/2024

Control No.: 24-E-4600-0198

Date Received: 1/22/2024

County.: ROBESON

Agency Response: 2/5/2024

Review Closed: 2/5/2024

DAVID RICHARDSON
CLEARINGHOUSE COOR REGION N
LUMBER RIVER COG

Project Information

Type: National Environmental Policy Act ping

Applicant: City of Lumberton

Project Desc.: Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events.

Public Notice for HUD 24 CFR §55.20(b) - Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland publishing January 20, 2024

As a result of this review the following is submitted:

No Comment

Comments Below

Documents Attached

Reviewed By: DAVID RICHARDSON

Date: 1/22/2024

Control No.: 24-E-4600-0198

Date Received: 1/22/2024

County.: ROBESON

Agency Response: 2/5/2024

Review Closed: 2/5/2024

DEVON BORGARDT
CLEARINGHOUSE COORDINATOR
DEPT OF NATURAL & CULTURAL
RESOURCE

Project Information

Type: National Environmental Policy Act ping

Applicant: City of Lumberton

Project Desc.: Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events.

Public Notice for HUD 24 CFR §55.20(b) - Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland publishing January 20, 2024

As a result of this review the following is submitted:

No Comment

Comments Below

Documents Attached

HPO No Comments ER 23-1356

Reviewed By: DEVON BORGARDT

Date: 1/29/2024



**North Carolina Department of Natural and Cultural Resources
State Historic Preservation Office**

Ramona M. Bartos, Administrator

Governor Roy Cooper
Secretary D. Reid Wilson

Office of Archives and History
Deputy Secretary, Darin J. Waters, Ph.D.

January 29, 2024

MEMORANDUM

TO: Kadisha Molyneaux
North Carolina State Clearinghouse
Department of Administration

kadisha.molyneaux@doa.nc.gov

FROM: Ramona M. Bartos, Deputy
State Historic Preservation Officer

RMB for Ramona M. Bartos

SUBJECT: Construct water tank, 176 Legend Road, Lumberton, Robeson County, 24-E-4600-0198,
ER 23-1356

Thank you for your email of January 22, 2024, concerning the above project.

We have conducted a review of the project and are aware of no historic resources which would be affected by the project. Therefore, we have no comment on the project as proposed.

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, contact Renee Gledhill-Earley, environmental review coordinator, at 919-814-6579 or environmental.review@dncr.nc.gov. In all future communication concerning this project, please cite the above referenced tracking number.

Control No.: 24-E-4600-0198

Date Received: 1/22/2024

County.: ROBESON

Agency Response: 2/5/2024

Review Closed: 2/5/2024

LYN BILES
CLEARINGHOUSE COORDINATOR
DEPT OF ENVIRONMENTAL QUALITY

Project Information

Type: National Environmental Policy Act ping

Applicant: City of Lumberton

Project Desc.: Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events.

Public Notice for HUD 24 CFR §55.20(b) - Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland publishing January 20, 2024

As a result of this review the following is submitted:

No Comment

Comments Below

Documents Attached

Reviewed By: LYN BILES

Date: 2/5/2024



NORTH CAROLINA
Environmental Quality

ROY COOPER
Governor

ELIZABETH S. BISER
Secretary

To: Kadisha Molyneaux
State Clearinghouse
NC Department of Administration

From: Lyn Biles
Division of Environmental Assistance and Customer Service
Washington Regional Office

Re: 24-0198
Scoping - Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events.
Robeson County

Date: February 5, 2024

The Department of Environmental Quality has reviewed the proposal for the referenced project. Based on the information provided, several of our agencies have identified permits that may be required and offered some valuable guidance. The comments are attached for the applicants review.

The Department will continue to be available to assist the applicant with any questions or concerns.

Thank you for the opportunity to respond.

Attachments



North Carolina Department of Environmental Quality

217 West Jones Street | 1601 Mail Service Center | Raleigh, North Carolina 27699-1601

919.707.8600

ROY COOPER
Governor
ELIZABETH S. BISER
Secretary
MICHAEL SCOTT
Director



MEMORANDUM

TO: Michael Scott, Division Director through Sharon Brinkley

FROM: Amanda Thompson, Environmental Senior Specialist – Solid Waste Section

DATE: February 1, 2024

SUBJECT: Review: SW 24-0198 – Robeson County (Scoping – City of Lumberton – Proposed project is for the construction of a 500,000-gallon elevated water storage tank at 176 Legend Rd. in Lumberton.)

The Division of Waste Management, Solid Waste Section (Section) has reviewed the documents submitted for the subject project in Robeson County, NC. Based on the information provided in this document, the Section at this time does not see an adverse impact on the surrounding communities and likewise knows of no situations in the communities which would affect this project.

For any planned or proposed projects, it is recommended that during any land clearing, demolition, and construction, the City of Lumberton and/or its contractors would make every feasible effort to minimize the generation of waste, to recycle materials for which viable markets exist, and to use recycled products and materials in the development of this project where suitable. **Any waste generated by and of the project that cannot be beneficially reused or recycled as described, may require disposal at a solid waste management facility permitted by the Division. The Section strongly recommends that the City of Lumberton require all contractors to provide proof of proper disposal for all generated waste to permitted facilities.**

Permitted solid waste management facilities are listed on the Division of Waste Management, Solid Waste Section portal site at: <https://deq.nc.gov/about/divisions/waste-management/waste-management-rules-data/solid-waste-management-annual-reports/solid-waste-permitted-facility-list>

And the site locator tool at:

<https://ncdenr.maps.arcgis.com/apps/webappviewer/index.html?id=7dd59be2750b40bebebf49fc383f688>

Questions regarding solid waste management for this project should be directed to Mr. David Powell, Environmental Senior Specialist, Solid Waste Section, at (910) 280-5135.

cc: David Powell, Environmental Senior Specialist



ROY COOPER
Governor
ELIZABETH S. BISER
Secretary
MICHAEL SCOTT
Director



Date: January 24, 2024

To: Michael Scott, Director
Division of Waste Management

Through: Janet Macdonald
Inactive Hazardous Sites Branch

From: Katie C Tatum
Inactive Hazardous Sites Branch

Subject: NEPA Project # 24-0198 City of Lumberton, Robeson County, North Carolina

The Superfund Section has reviewed the proximity of sites under its jurisdiction to the The City of Lumberton project. Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events.

No (0) Superfund Section sites and no (0) Brownfields Program Sites were identified within one mile of the project as shown on the attached report.

Please contact Janet Macdonald at 919.707.8349 if you have any questions concerning the Superfund Section review portion of this SEPA/NEPA inquiry.



North Carolina Department of Environmental Quality | Division of Waste Management
217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646
919.707.8200

Area of Interest (AOI) Information

Robeson County NEPA project 24-0198

Area : 2,609.36 acres

Jan 24 2024 14:18:56 Eastern Standard Time



Summary

Name	Count	Area(acres)	Length(mi)
Certified DSCA Sites	0	N/A	N/A
Federal Remediation Branch Sites	0	N/A	N/A
Inactive Hazardous Sites	0	N/A	N/A
Pre-Regulatory Landfill Sites	0	N/A	N/A
Brownfields Program Sites	0	N/A	N/A

State of North Carolina Department of Environmental Quality
 INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: FRO
 Project Number: 24-0198 Due Date: 02/05/2024
 County: Robeson

After review of this project, it has been determined that the DEQ permit(s) and/or approvals indicated may need to be obtained for this project to comply with North Carolina Law. Questions regarding these permits should be addressed to the Regional Office indicated on the reverse of the form. All applications, information and guidelines relative to these plans and permits are available from the same Regional Office.

	PERMITS	SPECIAL APPLICATION PROCEDURES or REQUIREMENTS	Normal Process Time (Statutory time limit)
<input checked="" type="checkbox"/>	Permit to construct & operate wastewater treatment facilities, non-standard sewer system extensions & sewer systems that do not discharge into state surface waters.	Application 90 days before begins construction or award of construction contracts. On-site inspection may be required. Post-application technical conference usual.	30 days (90 days)
<input checked="" type="checkbox"/>	Permit to construct & operate, sewer extensions involving gravity sewers, pump stations and force mains discharging into a sewer collection system	Fast-Track Permitting program consists of the submittal of an application and an engineer's certification that the project meets all applicable State rules and Division Minimum Design Criteria.	30 days (N/A)
<input checked="" type="checkbox"/>	NPDES - permit to discharge into surface water and/or permit to operate and construct wastewater facilities discharging into state surface waters.	Application 180 days before begins activity. On-site inspection. Pre-application conference usual. Additionally, obtain permit to construct wastewater treatment facility granted after NPDES. Reply time, 30 days after receipt of plans or issue of NPDES permit-whichever is later.	90-120 days (N/A)
<input type="checkbox"/>	Water Use Permit	Pre-application technical conference usually necessary.	30 days (N/A)
<input type="checkbox"/>	Well Construction Permit	Complete application must be received, and permit issued prior to the installation of a groundwater monitoring well located on property not owned by the applicant, and for a large capacity (>100,000 gallons per day) water supply well.	7 days (15 days)
<input type="checkbox"/>	Dredge and Fill Permit	Application copy must be served on each adjacent riparian property owner. On-site inspection. Pre-application conference usual. Filling may require Easement to Fill from N.C. Department of Administration and Federal Dredge and Fill Permit.	55 days (90 days)
<input type="checkbox"/>	Permit to construct & operate Air Pollution Abatement facilities and/or Emission Sources as per 15 A NCAC (2Q.0100 thru 2Q.0300)	Application must be submitted, and permit received prior to construction and operation of the source. If a permit is required in an area without local zoning, then there are additional requirements and timelines (2Q.0113).	90 days
<input checked="" type="checkbox"/>	Any open burning associated with subject proposal must be in compliance with 15 A NCAC 2D.1900	N/A	60 days (90 days)
<input type="checkbox"/>	Demolition or renovations of structures containing asbestos material must be in compliance with 15 A NCAC 20.1110 (a) (1) which requires notification and removal prior to demolition. Contact Asbestos Control Group 919-707-5950	Please Note - The Health Hazards Control Unit (HHCU) of the N.C. Department of Health and Human Services, must be notified of plans to demolish a building, including residences for commercial or industrial expansion, even if no asbestos is present in the building.	60 days (90 days)
<input type="checkbox"/>	The Sedimentation Pollution Control Act of 1973 must be properly addressed for any land disturbing activity. An erosion & sedimentation control plan will be required if one or more acres are to be disturbed. Plan must be filed with and approved by applicable Regional Office (Land Quality Section) at least 30 days before beginning activity. A NPDES Construction Stormwater permit (NCG010000) is also usually issued should design features meet minimum requirements. A fee of \$100 for the first acre or any part of an acre. An express review option is available with additional fees.		20 days (30 days)
<input type="checkbox"/>	Sedimentation and erosion control must be addressed in accordance with NCDOT's approved program. Particular attention should be given to design and installation of appropriate perimeter sediment trapping devices as well as stable Stormwater conveyances and outlets.		(30 days)
<input type="checkbox"/>	Sedimentation and erosion control must be addressed in accordance with _____ Local Government's approved program. Particular attention should be given to design and installation of appropriate perimeter sediment trapping devices as well as stable Stormwater conveyances and outlets.		Based on Local Program
<input type="checkbox"/>	Compliance with 15A NCAC 04B .0125 – Buffers Zones for Trout Waters shall have an undisturbed buffer zone 25 feet wide or of sufficient width to confine visible siltation within the twenty-five percent (25%) of the buffer zone nearest the land-disturbing activity, whichever is greater.		
<input type="checkbox"/>	Compliance with 15A NCAC 2H .0126 - NPDES Stormwater Program which regulates three types of activities: Industrial, Municipal Separate Storm Sewer System & Construction activities that disturb ≥1 acre.		30-60 days (90 days)
<input type="checkbox"/>	Compliance with 15A NCAC 2H 1000 -State Stormwater Permitting Programs regulate site development and post-construction stormwater runoff control. Areas subject to these permit programs include all 20 coastal counties, and various other counties and watersheds throughout the state.		45 days (90 days)

State of North Carolina Department of Environmental Quality
 INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: FRO
 Project Number: 24-0198 Due Date: 02/05/2024
 County: Robeson

	PERMITS	SPECIAL APPLICATION PROCEDURES or REQUIREMENTS	Normal Process Time (Statutory time limit)
<input type="checkbox"/>	Mining Permit	On-site inspection usual. Surety bond filed with DEQ Bond amount varies with type mine and number of acres of affected land. Affected area greater than one acre must be permitted. The appropriate bond must be received before the permit can be issued.	30 days (60 days)
<input type="checkbox"/>	Dam Safety Permit	If permit required, application 60 days before begin construction. Applicant must hire N.C. qualified engineer to prepare plans, inspect construction, and certify construction is according to DEQ approved plans. May also require a permit under mosquito control program. And a 404 permit from Corps of Engineers. An inspection of site is necessary to verify Hazard Classification. A minimum fee of \$200.00 must accompany the application. An additional processing fee based on a percentage, or the total project cost will be required upon completion.	30 days (60 days)
<input type="checkbox"/>	Oil Refining Facilities	N/A	90-120 days (N/A)
<input type="checkbox"/>	Permit to drill exploratory oil or gas well	File surety bond of \$5,000 with DEQ running to State of NC conditional that any well opened by drill operator shall, upon abandonment, be plugged according to DEQ rules and regulations.	10 days N/A
<input type="checkbox"/>	Geophysical Exploration Permit	Application filed with DEQ at least 10 days prior to issue of permit. Application by letter. No standard application forms.	10 days N/A
<input type="checkbox"/>	State Lakes Construction Permit	Application fee based on structure size is charged. Must include descriptions & drawings of structure & proof of ownership of riparian property	15-20 days N/A
<input checked="" type="checkbox"/>	401 Water Quality Certification	Compliance with the T15A 02H .0500 Certifications are required whenever construction or operation of facilities will result in a discharge into navigable water as described in 33 CFR part 323.	60 days (130 days)
<input type="checkbox"/>	Compliance with Catawba, Goose Creek, Jordan Lake, Randleman, Tar Pamlico or Neuse Riparian Buffer Rules is required. Buffer requirements: http://deq.nc.gov/about/divisions/water-resources/water-resources-permits/wastewater-branch/401-wetlands-buffer-permits/401-riparian-buffer-protection-program		
<input type="checkbox"/>	Nutrient Offset: Loading requirements for nitrogen and phosphorus in the Neuse and Tar-Pamlico River basins, and in the Jordan and Falls Lake watersheds, as part of the nutrient-management strategies in these areas. DWR nutrient offset information: http://deq.nc.gov/about/divisions/water-resources/planning/nonpoint-source-management/nutrient-offset-information		
<input type="checkbox"/>	CAMA Permit for MAJOR development	\$250.00 - \$475.00 fee must accompany application	75 days (150 days)
<input type="checkbox"/>	CAMA Permit for MINOR development	\$100.00 fee must accompany application	22 days (25 days)
<input checked="" type="checkbox"/>	Abandonment of any wells, if required must be in accordance with Title 15A. Subchapter 2C.0100.		
<input checked="" type="checkbox"/>	Notification of the proper regional office is requested if "orphan" underground storage tanks (USTS) are discovered during any excavation operation.		
<input checked="" type="checkbox"/>	Plans and specifications for the construction, expansion, or alteration of a public water system must be approved by the Division of Water Resources/Public Water Supply Section prior to the award of a contract or the initiation of construction as per 15A NCAC 18C .0300 et. seq., Plans and specifications should be submitted to 1634 Mail Service Center, Raleigh, North Carolina 27699-1634. All public water supply systems must comply with state and federal drinking water monitoring requirements. For more information, contact the Public Water Supply Section, (919) 707-9100.		30 days
<input type="checkbox"/>	If existing water lines will be relocated during the construction, plans for the water line relocation must be submitted to the Division of Water Resources/Public Water Supply Section at 1634 Mail Service Center, Raleigh, North Carolina 27699-1634. For more information, contact the Public Water Supply Section, (919) 707-9100.		30 days
<input type="checkbox"/>	Plans and specifications for the construction, expansion, or alteration of the _____ water system must be approved through the _____ delegated plan approval authority. Please contact them at _____ for further information.		

State of North Carolina Department of Environmental Quality
 INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: FRO
 Project Number: 24-0198 Due Date: 02/05/2024
 County: Robeson

Other Comments (attach additional pages as necessary, being certain to comment authority)

Division	Initials	No comment	Comments	Date Review
DAQ	JDC	<input checked="" type="checkbox"/>		1/23/24
DWR-WQROS (Aquifer & Surface)	CCT & CCT	<input type="checkbox"/>	Corps of Engineers has determined that the project would not impact Waters of the US, so no 404/401 necessary &	1/30/24
DWR-PWS	HLC	<input type="checkbox"/>	Plans and Specifications must be submitted to the Public Water Supply Section and an Authorization to Construct issued prior to beginning any construction. Also, note The Rules Governing Public Water Systems, Title 15A Subchapter 18C15A NCAC 18C Section .1531 states "SITING REQUIREMENTS (a) Any person constructing or modifying a public water system shall to the extent practicable, avoid locating all or part of a new or expanded facility at a site which: (1) is subject to a significant risk from earthquakes, floods, fires or other disasters which could cause breakdown of the public water system or a portion thereof; or (2) except for intake structures, is within the floodplain of a 100-year flood or is lower than any recorded high tide where appropriate records exist."	1/23/24
DEMLR (LQ & SW)	MAJ	<input type="checkbox"/>	Submit an erosion and sediment control plan (ESCP) at least 30 days prior to initiating land-disturbing activity that satisfy the one (1) acre regulatory threshold. Additional information pertaining to our ESCP application process may be found at Erosion and Sediment Control NC DEQ Obtain NPDES Construction Stormwater General Permit NCG010000 Certificate of Coverage prior to initiating land-disturbing activity following approval of the ESCP.	1/29/24
DWM – UST	KEC	<input type="checkbox"/>	The UST Section, Fayetteville Regional Office, does not have records of a reported petroleum release in the general area of concern for this project number. However, there are records of three registered USTs (Facility ID #00-0-0000036755) located at 176 Legend Road, Lumberton. Questions regarding UST compliance should be directed to Pam Harrelson, UST Section, (910) 728-8787, pamelah.harrelson@deq.nc.gov DWM Site Locator Tool https://ncdenr.maps.arcgis.com/apps/webappviewer/index.html?id=7dd59be2750b40bebebf49fc383f688 Registered UST Records Search https://xapps.ncdenr.org/wm/docs/WMDocs_Search.jsp	1/23/24
Other Comments		<input type="checkbox"/>		/ /

REGIONAL OFFICES

Questions regarding these permits should be addressed to the Regional Office marked below.

- | | | |
|---|--|--|
| <input type="checkbox"/> Asheville Regional Office
2090 U.S. 70 Highway
Swannanoa, NC 28778-8211
Phone: 828-296-4500
Fax: 828-299-7043 | <input checked="" type="checkbox"/> Fayetteville Regional Office
225 Green Street, Suite 714,
Fayetteville, NC 28301-5043
Phone: 910-433-3300
Fax: 910-486-0707 | <input type="checkbox"/> Mooresville Regional Office
610 East Center Avenue, Suite 301,
Mooresville, NC 28115
Phone: 704-663-1699
Fax: 704-663-6040 |
| <input type="checkbox"/> Raleigh Regional Office
3800 Barrett Drive,
Raleigh, NC 27609
Phone: 919-791-4200
Fax: 919-571-4718 | <input type="checkbox"/> Washington Regional Office
943 Washington Square Mall,
Washington, NC 27889
Phone: 252-946-6481
Fax: 252-975-3716 | <input type="checkbox"/> Wilmington Regional Office
127 Cardinal Drive Ext.,
Wilmington, NC 28405
Phone: 910-796-7215
Fax: 910-350-2004 |

State of North Carolina Department of Environmental Quality
INTERGOVERNMENTAL REVIEW PROJECT COMMENTS



Winston-Salem Regional Office
450 Hanes Mill Road, Suite 300,
Winston-Salem, NC 27105
Phone: 336-776-9800
Fax: 336-776-9797

Department of Environmental Quality Project Review

Project Number: 24-0198

County: Robeson

Date Received: 1-22-2024

Due Date: 2-5-2024

Project Description:

Scoping - Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events. Public Notice for HUD 24 CFR §55.20(b) - Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland publishing January 20, 2024

This Project is being reviewed as indicated below:

Regional Office	Regional Office Area	In-House Review	
<input type="checkbox"/> Asheville <input checked="" type="checkbox"/> Fayetteville <input type="checkbox"/> Mooresville <input type="checkbox"/> Raleigh <input type="checkbox"/> Washington <input type="checkbox"/> Wilmington <input type="checkbox"/> Winston Salem	<input checked="" type="checkbox"/> Air <input checked="" type="checkbox"/> DWR <input checked="" type="checkbox"/> DWR - Public Water <input checked="" type="checkbox"/> DEMLR (LQ & SW) <input checked="" type="checkbox"/> DWM	<input type="checkbox"/> Air Quality <input checked="" type="checkbox"/> Waste Mgmt <input checked="" type="checkbox"/> Water Resources Mgmt (Public Water, Planning & Water Quality Program) <input type="checkbox"/> DWR-Transportation Unit	<input type="checkbox"/> Coastal Management <input type="checkbox"/> Marine Fisheries <input type="checkbox"/> CC & PS Div. of Emergency Mgmt <input type="checkbox"/> DMF-Shellfish Sanitation <input checked="" type="checkbox"/> Wildlife <u>Gabriela</u> <input type="checkbox"/> Wildlife/DOT

Manager Sign-Off/Region:	Date: 1/25/2024	In-House Reviewer/Agency: DWR/WRM/David Wainwright
--------------------------	--------------------	---

Response (check all applicable)

No objection to project as proposed.
 No Comment

Insufficient information to complete review
 Other (specify or attach comments)

Department of Environmental Quality

Project Review

Project Number: 24-0198

County: Robeson

Date Received: 1-22-2024

Due Date: 2-5-2024

Project Description:

Scoping - Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events. Public Notice for HUD 24 CFR §55.20(b) - Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland publishing January 20, 2024

This Project is being reviewed as indicated below:

Regional Office	Regional Office Area	In-House Review	
Asheville	Air	Air Quality	Coastal Management
Fayetteville	DWR	Waste Mgmt	Marine Fisheries
Mooreville	DWR - Public Water	Water Resources Mgmt (Public Water, Planning & Water Quality Program)	CC & PS Div. of Emergency Mgmt
Raleigh	DEMLR (LQ & SW)		DMF-Shellfish Sanitation
Washington	DWM	DWR-Transportation Unit	Wildlife <u>Gabriela</u>
Wilmington			Wildlife/DOT
Winston Salem			

Manager Sign-Off/Region:	Date: 2/2/24	In-House Reviewer/Agency: Melodi Deaver, DWM Hazardous Waste
--------------------------	-----------------	---

Response (check all applicable)

No objection to project as proposed.
 No Comment

Insufficient information to complete review
 Other (specify or attach comments)

APPENDIX 3

- **Combined FONSI/NOI-RROF/Final Notice and Public Explanation of a Proposed Activity in a 100-year Floodplain and Wetland**
- **Affidavit for Publication of FONSI/NOI-RROF/Final Notice *(to be added)***
- **Distribution List to Interested Agencies, Groups and Individuals**
- **FONSI/NOI-RROF/Final Notice Comments *(to be added)***



North Carolina Department of Public Safety

Office of Recovery and Resiliency

Roy Cooper, Governor
Eddie M. Buffaloe, Jr., Secretary

Laura H. Hogshead, Director

PUBLIC NOTICE

COMBINED NOTICE OF FINDING OF NO SIGNIFICANT IMPACT (*FONSI*), NOTICE OF INTENT TO REQUEST RELEASE OF FUNDS (*NOI-RROF*), AND FINAL NOTICE AND PUBLIC EXPLANATION OF A PROPOSED ACTIVITY IN A 100-YEAR FLOODPLAIN AND WETLAND

LEGEND ROAD WATER TANK 176 LEGEND ROAD, LUMBERTON, ROBESON COUNTY, NC 28358

February 10, 2024

To: All interested Agencies, Groups and Individuals

Name of Responsible Entity and Recipient: North Carolina Office of Recovery and Resiliency (NCORR), P.O. Box 110465, Durham, NC 27709. Contact: Chief Recovery Officer Matthew Arlyn (984) 833-5350.

Pursuant to 24 CFR Section 58.43, this combined Notice of Finding of No Significant Impact (FONSI), Notice of Intent to Request Release of Funds (NOI-RROF), and Final Notice and Public Explanation of a Proposed Activity in a Floodplain and Wetland satisfies three separate procedural requirements for project activities proposed to be undertaken by NCORR.

Project Description: NCORR is responsible for the direct administration of the United States Department of Housing and Urban Development (HUD) Community Development Block Grant – Mitigation (CDBG-MIT) program in North Carolina. NCORR proposes to provide CDBG-MIT funding from the Infrastructure Recovery Program of \$1,241,000.00 for the Legend Road Water Tank project (“Proposed Activity”) located at 176 Legend Road, Lumberton, Robeson County, NC 28358 (Parcel ID 02090100501) which contains 100-Year Floodplain and wetlands. The Proposed Activity is anticipated to have a total cost of \$4,334,000.00 for construction of a 500,000-gallon elevated water storage tank, altitude valve vault, fire hydrant, water mains, gravel access drive, and associated improvements. The Proposed Activity construction will include extensive land clearing and excavation, trenching, placement of concrete foundations, installation of a 500,000-gallon elevated water storage tank and piping, and connections to the existing 12-inch water main on Legend Road and the existing 8-inch water main that ties into Sanchez Road. There is an existing chain link fence and gate around the Proposed Activity development area where the

Mailing Address:
Post Office Box 110465
Durham, NC 27709



Phone: (984) 833-5350
www.ncdps.gov
www.rebuild.nc.gov

An Equal Opportunity Employer

elevated water storage tank, altitude valve vault, and gravel access drive will be located. An 8-inch to 12-inch PVC water main, associated valves and a fire hydrant will be installed in the paved parking area and gravel driveway/unnamed road running east-west to Legend Road between the fenced-in existing water treatment plant and the Public Utilities buildings and Robeson County Ambulance Service/ EMS. There will be an estimated 0.20 acre of ground disturbance.

The State of North Carolina was adversely impacted by the landfall of Hurricanes Matthew (October 8, 2016) and Florence (September 14, 2018). The Proposed Activity is needed to prevent future water service interruptions as experienced during Hurricane Matthew and to allow for the continued operation of the public facilities located along Legend and Sanchez Roads during future storm events. During and immediately following Hurricane Matthew, potable water had to be transported to these facilities, both by truck and through individual bottled servings. The Proposed Activity's installation of an elevated water storage tank in the vicinity of the Robeson County Emergency Operations Center, Sheriff's Office and Jail, Emergency Medical Services, Water Department, and Public Utilities buildings will avoid water pressure loss at these County facilities and the adjacent NC Department of Corrections' Lumberton Correctional Institution. The County has selected the Proposed Activity to assist its residents, employees, and community to be protected from water service interruptions at this location during future storm events which can also adversely impact operations at the Emergency Operations Center during critical times.

PUBLIC EXPLANATION OF A PROPOSED ACTIVITY IN A 100-YEAR FLOODPLAIN AND WETLAND

NCORR has conducted an evaluation as required by Executive Orders (EO) 11988 and 11990, in accordance with HUD regulations at 24 CFR 55 Subpart C Procedures for Making Determinations on Floodplain Management and Wetlands Protection. The Proposed Activity will not result in any direct or indirect impacts to wetlands, 500-Year Floodplain, 100-Year Floodplain or Floodway. This 60.96-acre County-owned parcel contains approximately 38.21 acres of 500-Year Floodplain, 0.61 acre of 100-Year Floodplain, and no Floodway. The Proposed Activity's limit of disturbance (LOD) will occur approximately 50 feet from the 500-Year Floodplain, 0.24-mile from 100-Year Floodplain (Zone AE), and 0.25-mile from Floodway. The Little Jacob Swamp riverine is located north of the parcel boundary approximately 0.25-mile from the Proposed Activity's LOD and will not be adversely impacted by the Proposed Activity. The closest onsite USFWS National Wetlands Inventory (NWI)-mapped riverine (R5UBH) and potential wetland is located approximately 250 feet northwest from the Proposed Activity's LOD. Another NWI-mapped riverine (R4SBC) and potential wetland connects north to Little Jacob Swamp. These potential wetland areas encompass approximately 5 acres of the parcel and no activities are proposed in wetland.

NCORR has considered the alternatives and mitigation measures to be taken to minimize adverse impacts and to restore and preserve natural and beneficial values. The Proposed Activity is designed to avoid floodplain and wetlands. Robeson County identified the Proposed Activity as a high priority infrastructure strategy after a series of public meetings on resiliency strategies in 2017 as part of the NC Resilient Redevelopment Planning Program. The main alternative is the "No Action" Alternative which is not considered feasible since continuous water service to the Robeson County government complex is essential for operations. This parcel was chosen as ideal because it is currently County-owned and is located close to the existing water treatment plant and the

Robeson County government complex enabling the water system to maintain a minimum pressure of 30 psi for normal conditions and 20 psi for fire flow which is a NC Division of Water Resources' (DWR) Public Water Supply section requirement. It is critical for public health and safety that these facilities, including the Emergency Operations Center, have adequate water supply during emergencies and future storm events. The "No Action" Alternative would provide no protection to these facilities from water service interruptions during future storm events.

Natural floodplains and wetlands provide flood risk reduction benefits by slowing runoff and storing flood water. In addition, floodplains and wetlands are beneficial by providing diverse wildlife habitat, flood and erosion control, surface water quality maintenance, groundwater recharge, and educational, scientific, cultural, and recreational resources. Wetlands have unique natural characteristics that play an integral role in the ecology of the watershed. The Proposed Activity has been designed to avoid wetlands and floodplain, thus, there are no anticipated impacts on the natural and beneficial functions and values of the 100-Year Floodplain or wetlands. The Proposed Activity's construction is wholly located in Zone X, an area of minimal flood hazard (outside of floodplain). There has been previous, significant site modification including fill and development for the existing fenced-in water treatment plant and roads where site disturbance is planned.

The Proposed Activity will comply with all applicable federal, State and local laws, regulations, and permit requirements and conditions which shall be obtained before commencing work. According to the U.S. Army Corps of Engineers (USACE) and NC DWR, there are no NC DWR buffers and Clean Water Act Section 404 and 401 permits are not required. Best management practices for erosion and sedimentation control such as silt fencing will be utilized during construction to prevent off-site sedimentation impacts and native plants used in site restoration. The Proposed Activity designs have been completed in accordance with agency input to minimize impacts to the floodplain, wetlands, environment and community. The Proposed Activity and location are the most ideal, feasible options selected by the County; the "No Action" Alternative would not effectively address water service interruptions during and after storm events, the project design avoids floodplain and wetlands, and native plants will be used in site restoration.

Since the action will include new construction on a parcel containing incidental 100-Year Floodplain and wetland, EOs 11988 and 11990 require that the Proposed Activity not be supported if there are practicable alternatives to floodplain and wetland impacts. NCORR has reevaluated the alternatives to construction on this parcel, and has determined that it has no practicable alternative. The 8-step process has been further documented in the EO 11988 Floodplain Management and EO 11990 Wetlands Protection Determination which is available for viewing and copying as described below in Public Review.

There are three primary purposes for this notice. First, people who may be affected by activities in floodplains and wetlands and those who have an interest in the protection of the natural environment are given an opportunity to express their concerns and provide information about these areas. Second, adequate public notice is an important public education tool. The dissemination of information and request for public comment about floodplains and wetlands can facilitate and enhance federal efforts to reduce the risks and impacts associated with the occupancy and modification of these special areas. Third, as a matter of fairness, when the federal government

determines it will participate in actions taking place in floodplains and wetlands, it must inform those who may be put at greater or continued risk.

FINDING OF NO SIGNIFICANT IMPACT

An Environmental Assessment (EA) for the Proposed Activity has been prepared in accordance with the National Environmental Policy Act of 1969 (NEPA) and HUD environmental review regulations at 24 CFR Part 58. The EA is incorporated by reference into this FONSI. Subject to public comments, no further review of the Proposed Activity is anticipated. NCORR has determined that the EA for the project identified herein complies with the requirements of HUD environmental review regulations at 24 CFR Part 58. NCORR has determined that the Proposed Activity will have no significant impact on the human environment and, therefore, does not require the preparation of an environmental impact statement under NEPA.

Public Review: Public viewing of the EA, environmental review record, and EO 11988 Floodplain Management and EO 11990 Wetlands Protection Determination is available online at <https://www.rebuild.nc.gov/about/plans-policies-reports/environmental-reviews>. Documents may also be viewed in person by appointment only at: NCORR, 200 Park Offices Drive, Durham, NC 27709. Call (984) 833-5350 to make an appointment.

Further information may be requested by writing to the above address, emailing publiccomments@rebuild.nc.gov or calling (984) 833-5350. This combined notice is being sent to individuals and groups known to be interested in these activities, local news media, appropriate local, state and federal agencies, the regional office of the U.S. Environmental Protection Agency having jurisdiction, and the HUD Field Office, and is being published in a newspaper of general circulation in the affected community.

Public Comments on the Proposed Activity within Floodplain and Wetland, FONSI and/or NOI-RROF: Any individual, group or agency may submit written comments on the Proposed Activity. The public is hereby advised to specify in their comments which “notice” their comments address. Comments should be submitted via email, in the proper format, on or before February 26, 2024 at publiccomments@rebuild.nc.gov. Written comments may also be submitted by mail, in the proper format, to be received on or before February 26, 2024, and addressed to: Matthew Arlyn, Chief Recovery Officer, NCORR, ATTN: Legend Road Water Tank Project, P.O. Box 110465, Durham, NC 27709. All comments must be received on or before February 26, 2024 or they will not be considered. If modifications result from public comment, these will be made prior to proceeding with the submission of a request for release of funds.

REQUEST FOR RELEASE OF FUNDS AND CERTIFICATION

On or after February 27, 2024, the NCORR certifying officer will submit a request and certification to HUD for the release of CDBG-MIT funds as authorized by related laws and policies for the purpose of undertaking this project under the North Carolina CDBG-MIT Infrastructure Recovery Program.

NCORR certifies to HUD that Matthew Arlyn, in his capacity as Certifying Officer, consents to accept the jurisdiction of the U.S. federal courts if an action is brought to enforce responsibilities in relation to the environmental review process and that these responsibilities have been satisfied. HUD's approval of the certification satisfies its responsibilities under NEPA and related laws and authorities, and allows NCORR to use CDBG-MIT program funds.

Objection to Release of Funds: HUD will accept objections to its release of funds and NCORR's certification for a period of fifteen days following the anticipated submission date or its actual receipt of the request (whichever is later). Potential objectors should contact HUD or the NCORR Certifying Officer to verify the actual last day of the objection period.

The only permissible grounds for objections claiming a responsible entity's non-compliance with 24 CFR Part 58 are: (a) certification was not executed by NCORR's Certifying Officer; (b) the responsible entity has omitted a step or failed to make a decision or finding required by HUD regulations at 24 CFR Part 58; (c) the grant recipient or other participants in the development process have committed funds, incurred costs or undertaken activities not authorized by 24 CFR Part 58 before HUD's release of funds and approval of environmental certification; or (d) another federal agency acting pursuant to 40 CFR Part 1504 has submitted a written finding that the project is unsatisfactory from the standpoint of environmental quality.

Objections must be prepared and submitted in accordance with the required procedures (24 CFR 58.76) and shall be addressed to Tennille Smith Parker, Director, Office of Disaster Recovery, U.S. Department of Housing and Urban Development, 451 7th Street SW, Washington, DC 20410, Phone: (202) 402-4649, or emailed to disaster_recovery@hud.gov.

Matthew Arlyn
Certifying Officer
February 10, 2024

**FONSI/ NOI-RROF/ FINAL NOTICE AND PUBLIC EXPLANATION
FLOODPLAIN AND WETLAND DISTRIBUTION LIST**

LEGEND ROAD WATER TANK

176 LEGEND ROAD, LUMBERTON, ROBESON COUNTY, NC 28358

Published in The Robesonian on 2/10/24, comments end 2/26/24

FEDERAL AGENCIES

Agency	Name & Address	Method
HUD NC	Mr. Lenwood E. Smith, II Environmental Protection Specialist HUD, Greensboro Field Office 1500 Pinecroft Road, Suite 401 Greensboro, NC 27407-3838	Lenwood.E.Smith@hud.gov
FEMA, Region IV	Ms. Gracia B. Szczech, Regional Administrator U.S. Dept. of Homeland Security FEMA, Region IV 3003 Chamblee Tucker Road Atlanta, GA 30341	FedEx
FEMA ATTN: 11988/11990	<i>Hard copies may also be mailed to</i> Attn: 11988/11990 NEPA Reviewer (EHP) DHS/FEMA RIV 3003 Chamblee Tucker Road Atlanta, GA 30341	FEMA-R4EHP@fema.dhs.gov with the subject line REVIEW REQUEST: 11988/11990 NEPA
US EPA, Region 4	Ms. Ntale Kajumba, NEPA Coordinator U.S. EPA, Region 4 Laboratory Services & Applied Science Div. 980 College Station Road Athens, GA 30605-2720	Kajumba.ntale@epa.gov
USFWS – Raleigh Field Office	USFWS – Raleigh Field Office ATTN: John Ellis P.O. Box 33726 Raleigh, NC 27636 ph.: 919-856-4520, ext. 26	john_ellis@fws.gov cc: leigh_mann@fws.gov
USACE – Wilmington District	Mr. Gary H. Beecher USACE – Wilmington District 69 Darlington Avenue Wilmington, NC 28403	Gary.H.Beecher@USACE.army.mil

TRIBES, NATIONS AND COMMUNITIES (who asked to be notified)		
Catawba Indian Nation	Dr. Wenonah George Haire, THPO ATTN: THPO Archaeology Dept. Catawba Indian Nation 1536 Tom Steven Road Rock Hill, SC 29730	Does not want Notice
Catawba Indian Nation	Chief Bill Harris Catawba Indian Nation 996 Avenue of the Nations Rock Hill, SC 29730	Does not want Notice
NC STATE AGENCIES		
STATE CLEARING-HOUSE	Ms. Crystal Best North Carolina Department of Administration State Environmental Review Clearinghouse 1301 Mail Service Center Raleigh, North Carolina 27699-1301	State.Clearinghouse@doa.nc.gov cc: crystal.best@doa.nc.gov kadisha.molyneaux@doa.nc.gov
LOCAL AGENCIES		
COUNTY	Kellie Blue Robeson County Manager 550 North Chestnut Street Lumberton, NC 28358 Phone: 910-671-3022	kellie.blue@co.robeson.nc.us
COUNTY	Tammy Freeman Clerk to the Board Robeson County 550 North Chestnut Street Lumberton, NC 28358 Phone: 910-671-3022	tammy.freeman@co.robeson.nc.us
COUNTY	Myron Neville Director of Public Works Robeson County Phone: 910-671-3488	myron.neville@co.robeson.nc.us
COUNTY	Jan Maynor	jmaynor2@nc.rr.com cc: bill.blankenship@rebuild.nc.gov
CITY	M. Brandon Love, AIA Deputy City Manager City of Lumberton P.O. Box 1388 Lumberton, NC 28359 (910) 671-3806	blove@ci.lumberton.nc.us

CITY	Rob Armstrong Director of Public Works City of Lumberton P.O. Box 1388 Lumberton, NC 28359 (910) 671-3851	rarmstrong@ci.lumberton.nc.us
CITY	Laney Mitchell-McIntosh City Clerk City of Lumberton P.O. Box 1388 Lumberton, NC 28359 910-671-3807	lmitchell- mcintosh@ci.lumberton.nc.us

FONSI/NOI-RROF/Final Notice Comments

ATTACHMENT 11:

Historic Preservation

NC SHPO response and NCORR submission package,
TDAT results, Catawba Indian Nation response and
NCORR submission packages, and Lumbee Tribe of
NC Proposed Project Notification Letter



**North Carolina Department of Natural and Cultural Resources
State Historic Preservation Office**

Ramona M. Bartos, Administrator

Governor Roy Cooper
Secretary D. Reid Wilson

Office of Archives and History
Deputy Secretary, Darin J. Waters, Ph.D.

July 3, 2023

MEMORANDUM

TO: Crystal Best
North Carolina State Clearinghouse
Department of Administration

crystal.best@doa.nc.gov

FROM: Ramona M. Bartos, Deputy
State Historic Preservation Officer

RMB for Ramona M. Bartos

SUBJECT: Construct water tank, 176 Legend Road, Lumberton, Robeson County, 23-E-4600-0242,
ER 23-1356

Thank you for your submission of June 2, 2023, concerning the above project.

We have conducted a review of the project and are aware of no historic resources which would be affected by the project. Therefore, we have no comment on the project as proposed.

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, contact Renee Gledhill-Earley, environmental review coordinator, at 919-814-6579 or environmental.review@ncdcr.gov. In all future communication concerning this project, please cite the above referenced tracking number.



North Carolina Department of Public Safety

Office of Recovery and Resiliency

Roy Cooper, Governor
Eddie M. Buffaloe, Jr., Secretary

Laura H. Hogshead, Director

May 31, 2023

Ms. Renee Gledhill-Earley
Environmental Review Coordinator
NC State Historic Preservation Office
4617 Mail Service Center
Raleigh, NC 27699-4617

Sent via email to the State Environmental Clearinghouse:
State.Clearinghouse@doa.nc.gov
crystal.best@doa.nc.gov

RE: State Historic Preservation Office Request for Concurrence
Section 106 Review - HUD CDBG-MIT Program
Legend Road Water Tank
176 Legend Road
Lumberton, NC 28358

Dear Ms. Gledhill-Earley:

In accordance with Section 106 of the National Historic Preservation Act (NHPA) and its implementing regulations, 36 CFR Part 800, we are providing information for your review and concurrence regarding the above-referenced project. The North Carolina Office of Recovery and Resiliency (NCORR), as a recipient of Community Development Block Grant – Mitigation (CDBG-MIT) funds from the United States Department of Housing and Urban Development (HUD), is serving as the responsible entity for compliance with the HUD environmental review procedures set forth in 24 CFR Part 58. NCORR is acting on behalf of HUD in providing the enclosed project information and request for consultation.

Area of Potential Effects (APE) under §800.16(d): We have defined the APE as the boundary of the Subject located at 176 Legend Road, Lumberton, Robeson County, NC 28358 (**Attachment 1**). According to the Robeson County Tax Map, the County-owned Parcel ID is 02090100501 and consists of 60.96 acres (**Attachment 1**).

Mailing Address:
Post Office Box 110465
Durham, NC 27709



Phone: (984) 833-5350
www.ncdps.gov
www.rebuild.nc.gov

An Equal Opportunity Employer

The State of North Carolina was adversely impacted by the landfall of Hurricanes Matthew (October 8, 2016) and Florence (September 14, 2018). During the Hurricane Matthew storm event, water delivery systems throughout Robeson County were adversely impacted by water service interruptions, including to the public facilities located along Legend and Sanchez Roads. During and immediately following the storm event, potable water had to be transported to these facilities, both by truck and through individual bottled servings. The NC DWR's Public Water Supply section requires all water systems to maintain a minimum pressure of 30 psi for normal conditions and 20 psi for fire flow. These numbers are attainable with the proposed project's installation of an elevated water storage tank in the vicinity of the Robeson County Emergency Operations Center, Sheriff's Office and Jail, Emergency Medical Services, Water Department, and Public Utilities buildings to avoid system pressure loss at these County facilities and the adjacent NC Department of Corrections' Lumberton Correctional Institution. It is critical for public health that these facilities have adequate water supply during emergencies and future storm events. This proposed project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events. Therefore, funding for the proposed project will be provided in part by the HUD CDBG-MIT North Carolina Infrastructure Recovery Program for Hurricanes Matthew and Florence storm recovery activities in North Carolina.

Proposed Project Description: This proposed project will utilize CDBG-MIT funding to construct a 500,000-gallon elevated water storage tank, altitude valve vault and associated water mains to prevent future water service interruptions as experienced during Hurricane Matthew. The proposed project includes procurement of architectural/engineering services, soils testing, boundary surveys, and construction of improvements. Construction will involve extensive land clearing and excavation, trenching, placement of concrete foundations, installation of an appropriately-sized elevated water tank and piping, and connections to the existing 12-inch water main on Legend Road and the existing 8-inch water main that ties into Sanchez Road. The foundations shall be a mat or ring wall foundation with a depth not to exceed 10 feet below finish grade or pilings to a depth of not more than 65 feet. Two hundred feet of ductile iron pipe with neoprene gaskets will be installed where the water main passes within 100 feet of an existing underground fuel storage tank. Two 6-inch steel bollards will be installed at the proposed fire hydrant. There is an existing chain link fence and gate around the proposed project development area where the elevated water storage tank and altitude valve vault will be located. The proposed project site plans are included in **Attachment 1**.

We have made a Finding of "*No Historic Properties Affected*" pursuant to 36 CFR 800.4(d)(1) based on the following:

Based on our research of the Subject Property in the National Register of Historic Places, North Carolina State Historic Preservation Office's (NC SHPO) HPOWEB, and site review, no publicly recorded historic properties which are locally designated or listed in or eligible for inclusion in the State or National Register of Historic Places are located on or adjacent to the Subject Property. The results are included in **Attachment 2**. The Subject Property is a large, County-owned parcel containing the Robeson County Emergency Operations Center, Sheriff's Office and Jail, Emergency Medical Services, Water

Department, and Public Utilities buildings. The NC Department of Corrections' Lumberton Correctional Institution is across Legend Road to the west. The Subject Property's historic use was likely agricultural. The elevated water storage tank, altitude valve vault and water main will be constructed on a previously-cleared, fenced-in portion of this large County parcel situated east of the Methodist Home for Children's parcel and north of several Robeson County public facilities. The proposed project development area that is fenced-in currently contains the existing well, aeration basin, high service pumps, equalization basin, generator, and water treatment plant. An 8-inch to 12-inch PVC water main and associated valves will be installed in the paved parking area and gravel driveway/unnamed road running east-west to Legend Road between the fenced-in proposed tank and existing treatment facility and the Public Utilities buildings and Robeson County Ambulance Service/ EMS.

Attached for your review are copies of relevant documents supporting our finding, along with maps showing the location of the Subject Property. This documentation satisfies requirements set forth at §800.11(d).

NCORR processes environmental reviews for proposed projects funded with HUD CDBG-MIT on a case-by-case basis. A consultation request for the proposed project described herein has been sent to the Catawba Indian Nation. A notification of the proposed project is being sent to the Lumbee Tribe. In accordance with Section 101(d)(6)(B) of the NHPA of 1966, as amended (16 U.S.C. 470f), and its implementing regulations, 36 CFR Part 800, this letter serves as notification of the proposed action.

NCORR respectfully requests your review of the proposed project described herein. In accordance with §800.4(d)(1)(i), your office has *thirty days* to object to this finding. Please respond within this timeframe, otherwise we will assume that you concur with our finding. If you concur, please sign on the line below and return a copy of this letter by email to Andrea Gievers at Andrea.L.Gievers@Rebuild.NC.gov.

If you have any questions or require additional information regarding this request, please feel free to contact Andrea Gievers at (845) 682-1700 or via email at Andrea.L.Gievers@Rebuild.NC.gov. Thank you for your time and assistance.

Sincerely,



Andrea Gievers, JD, MSEL, ERM
NCORR Environmental Subject Matter Expert

Proposed Project Enclosures:

Attachment 1: Proposed Project Location Maps and Site Plans

Attachment 2: NRHP and NC HPOWEB Maps

Legend Road Water Tank Project

Concurrence:

State Historic Preservation Officer

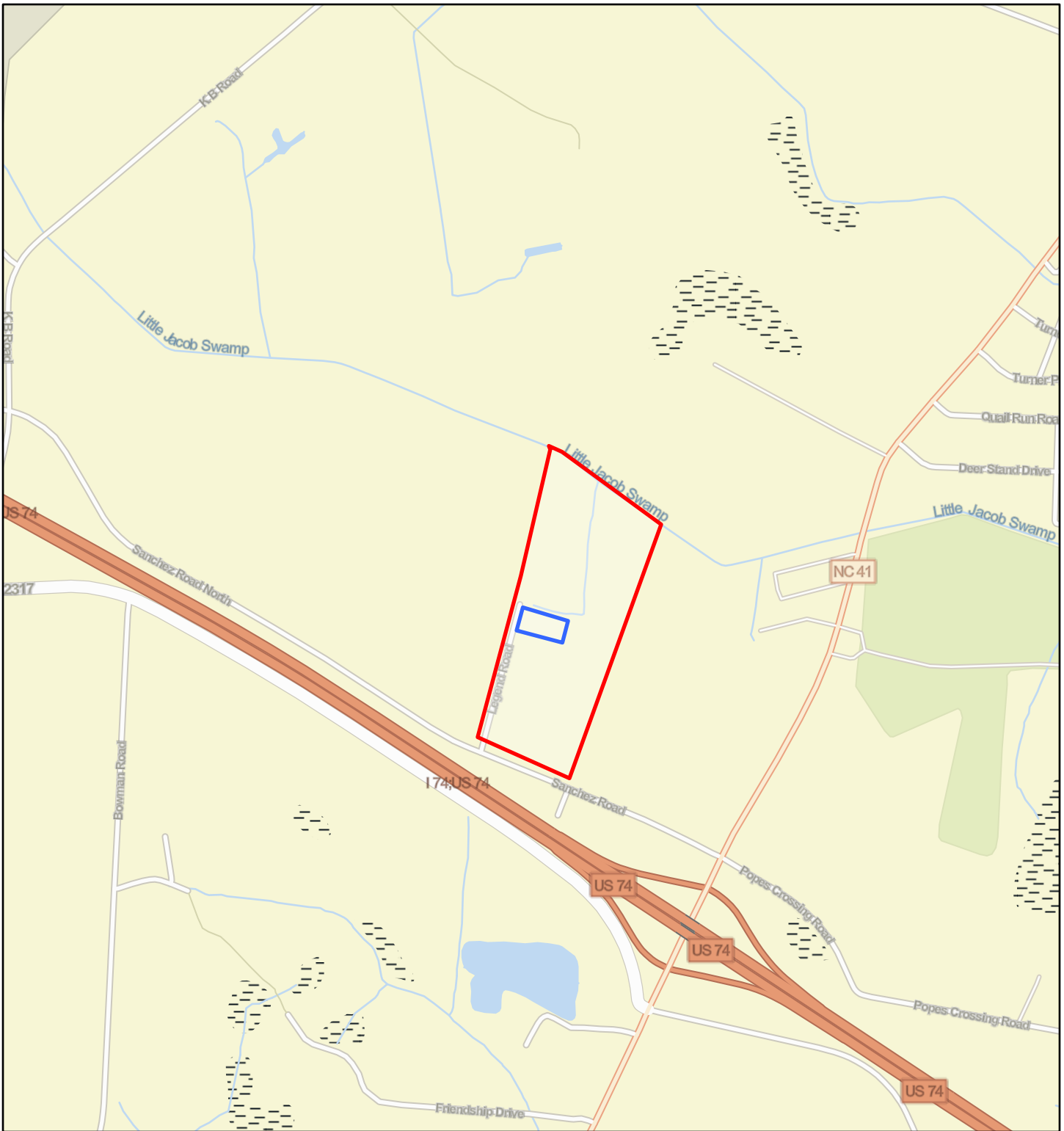
Date

Section 106 ATTACHMENT 1:

Proposed Project Location


Maps and Site Plans

Legend Road Water Tank - Street Map

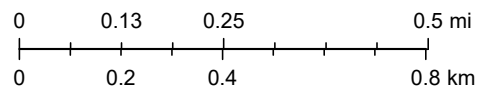


May 10, 2023

1:18,056

 Excluded Parcel

 Legend Road Water Tank



Legend Road Water Tank - Aerial Map

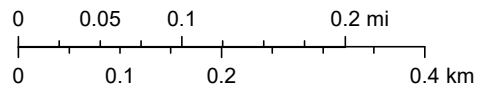


May 10, 2023

1:9,028

 Excluded Parcel

 Legend Road Water Tank





Robeson County Ambulance Service

N.C. Dept of Corrections

Proposed 12' Water Main

R.C. Public Utilities

Proposed Elevated Tank

Existing Well Treatment

R.C. Sheriff's Office

R.C. Jail

Robeson County Emergency Operations

R.C. Water Dept.

1 inch = 200 feet



ROBESON COUNTY COUNTY-WIDE WATER SYSTEM

Legend Road 0.500 MG Elevated Tank

KELLIE BLUE, COUNTY MANAGER
SHELTON HILL, ASSISTANT COUNTY MANAGER
JASON KING, ASSISTANT COUNTY MANAGER

COMMISSIONERS

WIXIE STEPHENS - CHAIRMAN
H. T. (TOM) TAYLOR - VICE CHAIRMAN
PAULINE CAMPBELL
JOHN CUMMINGS
FALINE DAIL
DAVID EDGE
LANCE HERNDON
JUDY SAMPSON

TAMMY FREEMAN, CLERK TO THE BOARD
MYRON NEVILLE, PUBLIC UTILITIES DIRECTOR

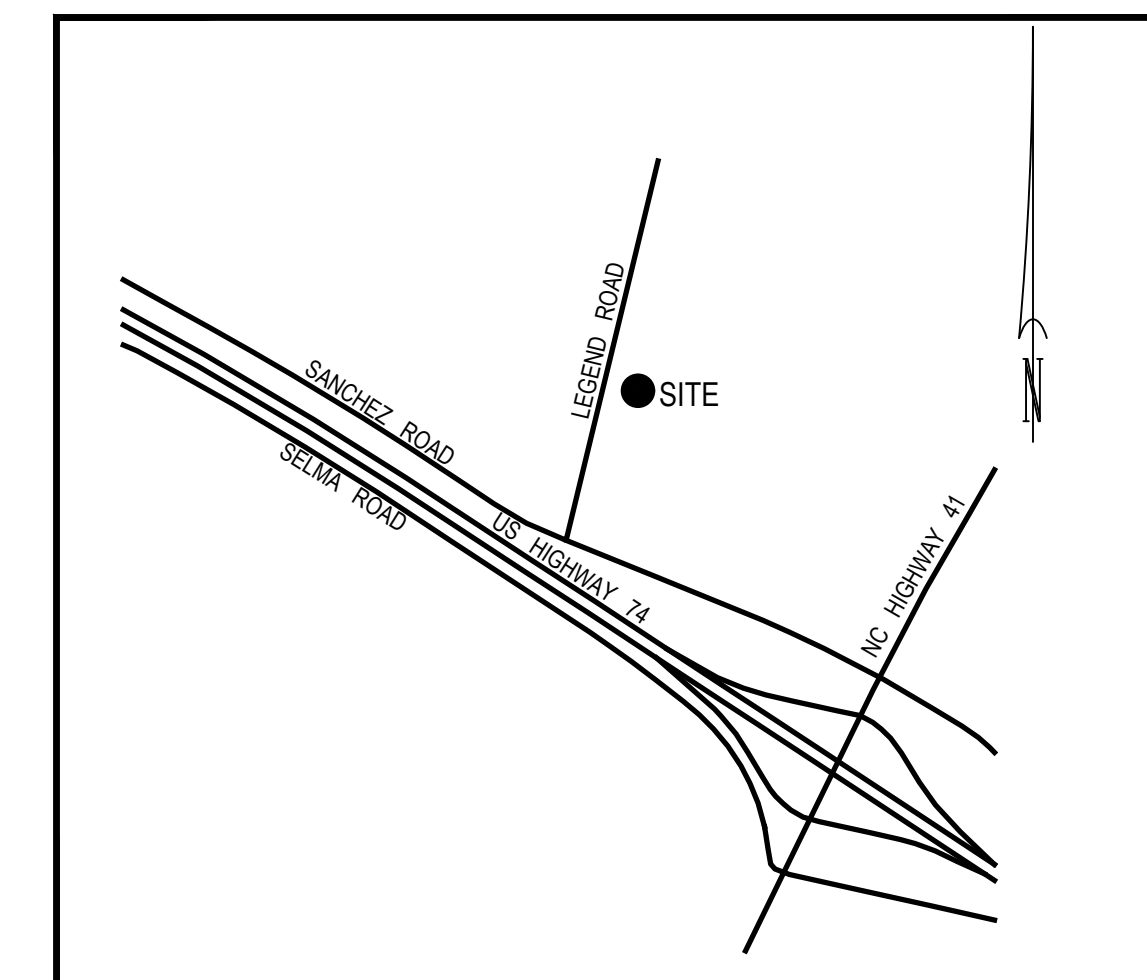
Table of Contents

- 1 - Site Plan
- 2 - 12" Water Main Plan & Profile
- 3 - Tank Elevation & Details
- 4 - Altitude Valve & Vault
- D-1 - Detail Sheet



Know what's below.
Call before you dig.

LIMITS OF WORK SHALL INCLUDE
ALL AREAS INSIDE NCDOT R/W &
EXISTING UTILITIES EASEMENTS
AS SHOWN ON PLANS.

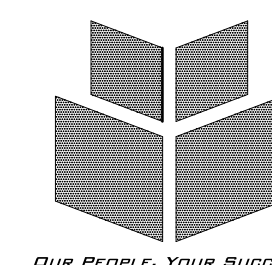


VICINITY MAP



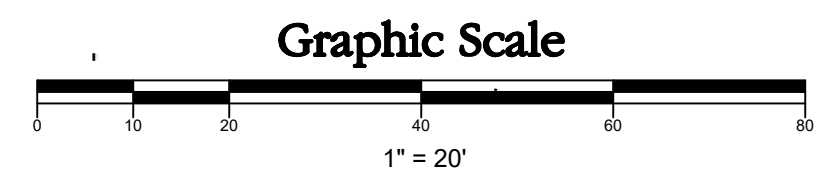
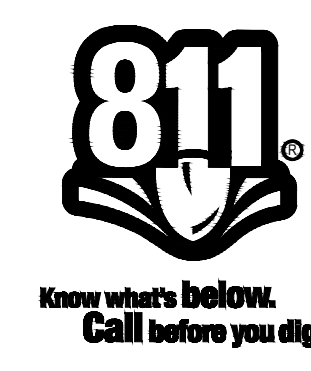
<input checked="" type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary Plat - Not for recordation, conveyances, or sales
<input type="checkbox"/>	Final Drawing - Not released for construction
<input type="checkbox"/>	Final Drawing - For Review Purposes Only
<input type="checkbox"/>	Final Drawing - Released For Construction

WithersRavenel · Engineers · Planners · Surveyors



208 E. 5th Street Lumberton, NC 28358 Phone: 910-738-9376 Fax: 910-738-9378 Email: KNAengineering@att.net Lic. No.- F-1479

camirobo\Legend Road Tank\Site Plan



Site Plan 1"=20'

Legend

- - - - -	EXISTING CONTOUR
— — — — —	PROPOSED CONTOUR

X	Preliminary - Do not use for construction
- - - - -	Progress Drawings - Do not use for construction
- - - - -	Preliminary Plat - Not for recordation, conveyances, or sales
- - - - -	Final Drawing - Not released for construction
- - - - -	Final Drawing - For Review Purposes Only
- - - - -	Final Drawing - Released For Construction

N/F
COUNTY OF ROBESON
C/O FINANCE
PARCEL REF. No. 02090100501
PIN: 938035514300
D.B. 687 PG. 865

N/F
CEBSR PROPERTIES LLC
PARCEL REF. No. 020901006
PIN: 938074620300
D.B. 1406 PG. 846

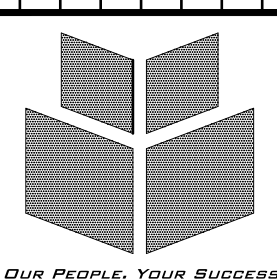
CENTER PROPOSED TANK
N - 304500.4214
E - 1984695.0700
NAD 83 (2011 ADJ.)

TBM - RBC No. 3
N: 304,581.61
E: 1,984,783.27
ELEV: 126.57'

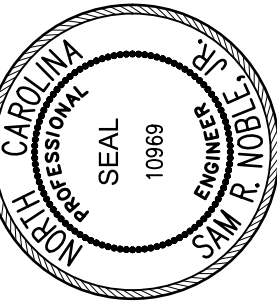
TBM - RBC No. 4
N: 304,337.53
E: 1,984,722.12
ELEV: 131.63'

TBM - RBC No. 2
N: 304,470.57
E: 1,984,362.51
ELEV: 133.76'

DESIGNED BY: SRN
DRAWN BY: CBB
CHECKED BY: SRN
DATE: JAN. 2023
SCALE: 1"=20'
FIELD BOOK: GPS
FILE NO.: SITE Plan
PROJECT NO.: -



OUR PEOPLE. YOUR SUCCESS.



WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS
208 EAST 5th STREET • LUMBERTON, N.C. 28358 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • EMAIL: KNAAengineering@att.net

ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK - SITE PLAN

SHEET NO. **1**
OF 4



Sec. Rd. 2334
Legend Road

Graphic Scale

1" = 40'

⊗ Preliminary - Do not use for construction
⊞ Progress Drawings - Do not use for construction
⊞ Preliminary Plat - Not for recordation, conveyances, or sales
⊞ Final Drawing - Not released for construction
⊞ Final Drawing - For Review Purposes Only
⊞ Final Drawing - Released For Construction

WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS

208 EAST 5th STREET • LUMBERTON, N.C. 28358 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • E-MAIL: KNEngineering@att.net

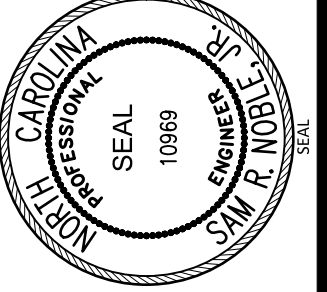
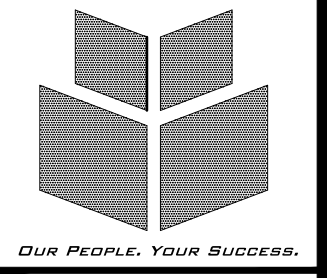
**ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK SITE - PROPOSED WATER MAIN**

SHEET NO.

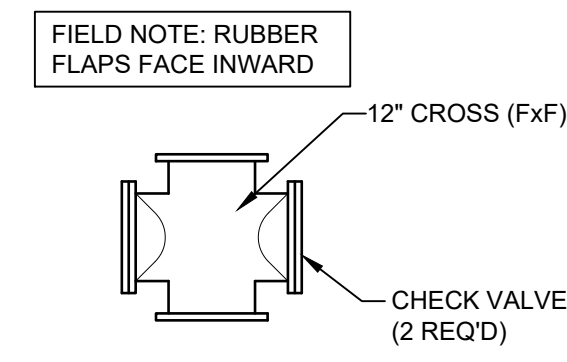
2

OF 4

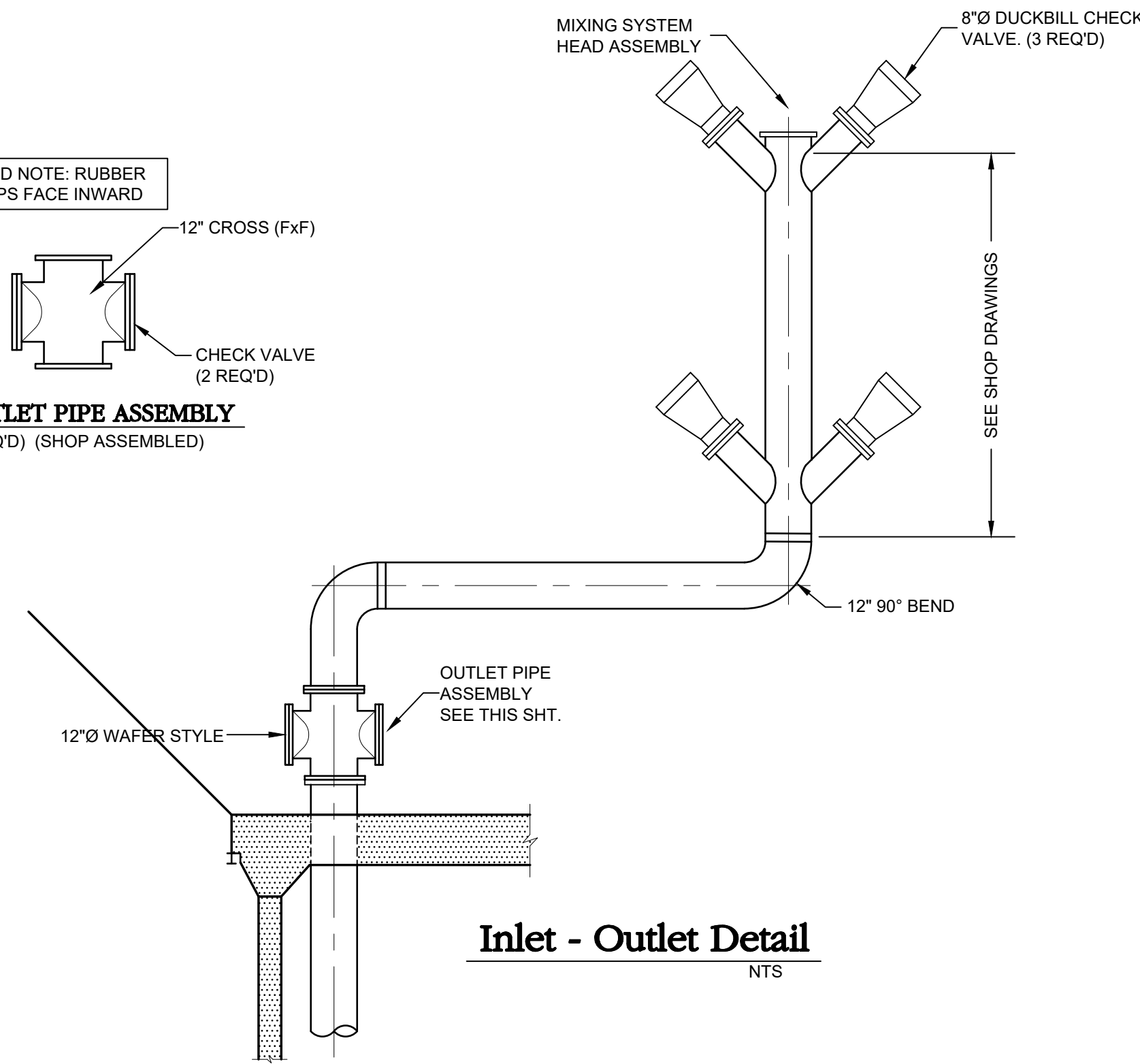
DESIGNED BY: SRN
DRAWN BY: CBB
CHECKED BY: SRN
DATE: JAN. 2023
SCALE: 1"=40'H, 1"=4'V
FIELD CODE: EPS
FILE NO: 12 Water Main
PROJECT NO.:



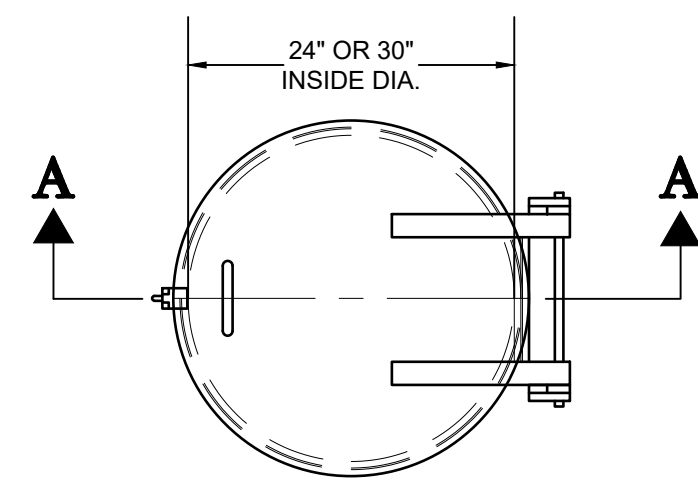
camitoc\Legend Road Tank\12 Water Main



OUTLET PIPE ASSEMBLY
(1 REQ'D) (SHOP ASSEMBLED)

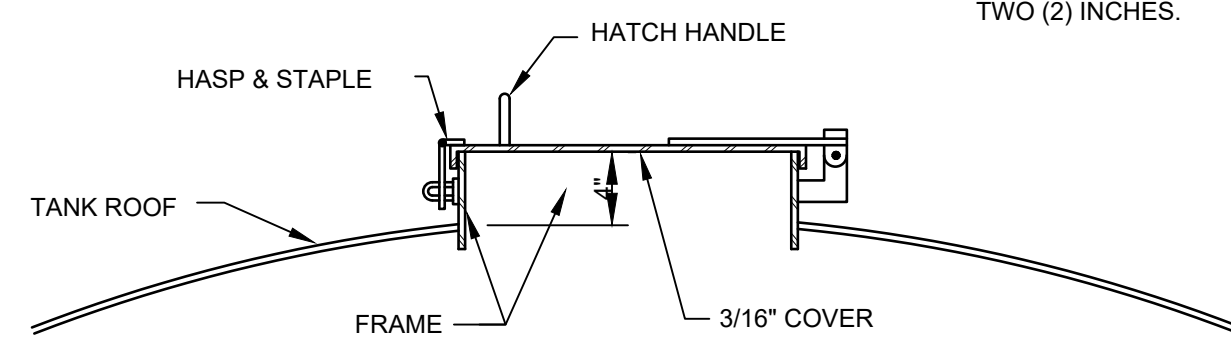


Inlet - Outlet Detail
NTS



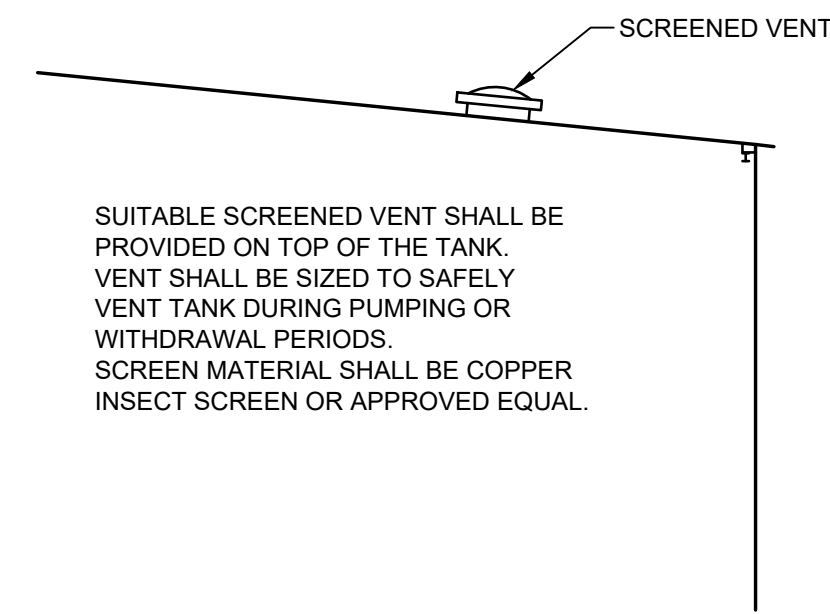
PLAN

NOTE: ROOF HATCH SHALL MEET ALL APPLICABLE REQUIREMENTS OF 15A-NCAC-18C.0405(a)(2). THE COVER SHALL EXTEND DOWN AROUND THE FRAME AT LEAST TWO (2) INCHES.



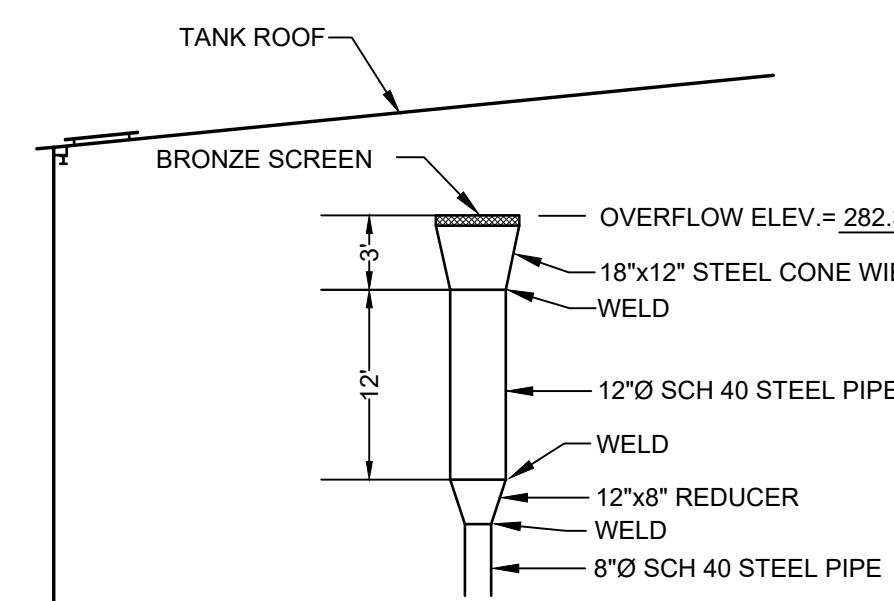
Section A-A

24"Ø or 30"Ø Roof Hatch
NTS

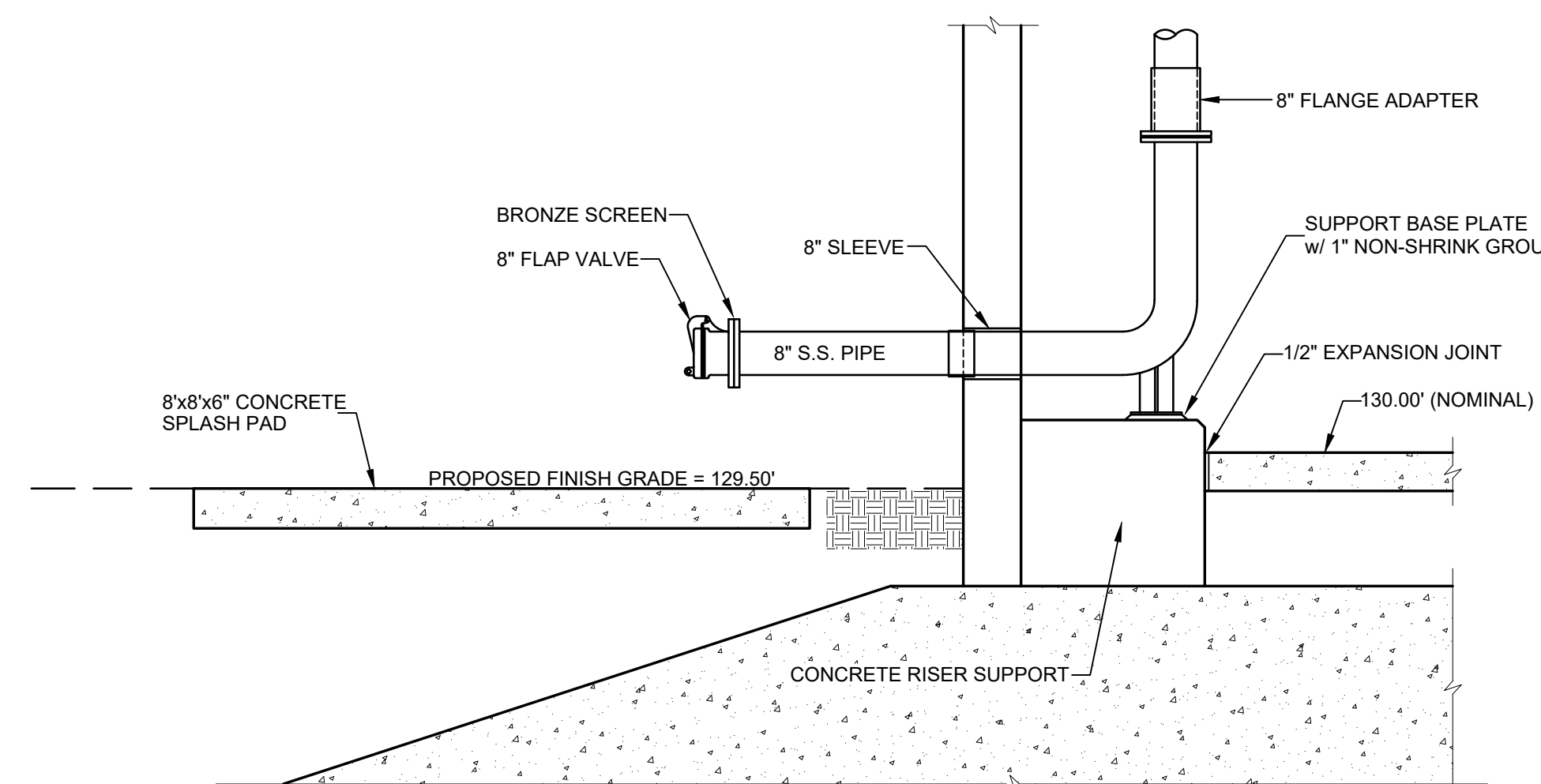


Screened Vent Detail
NTS

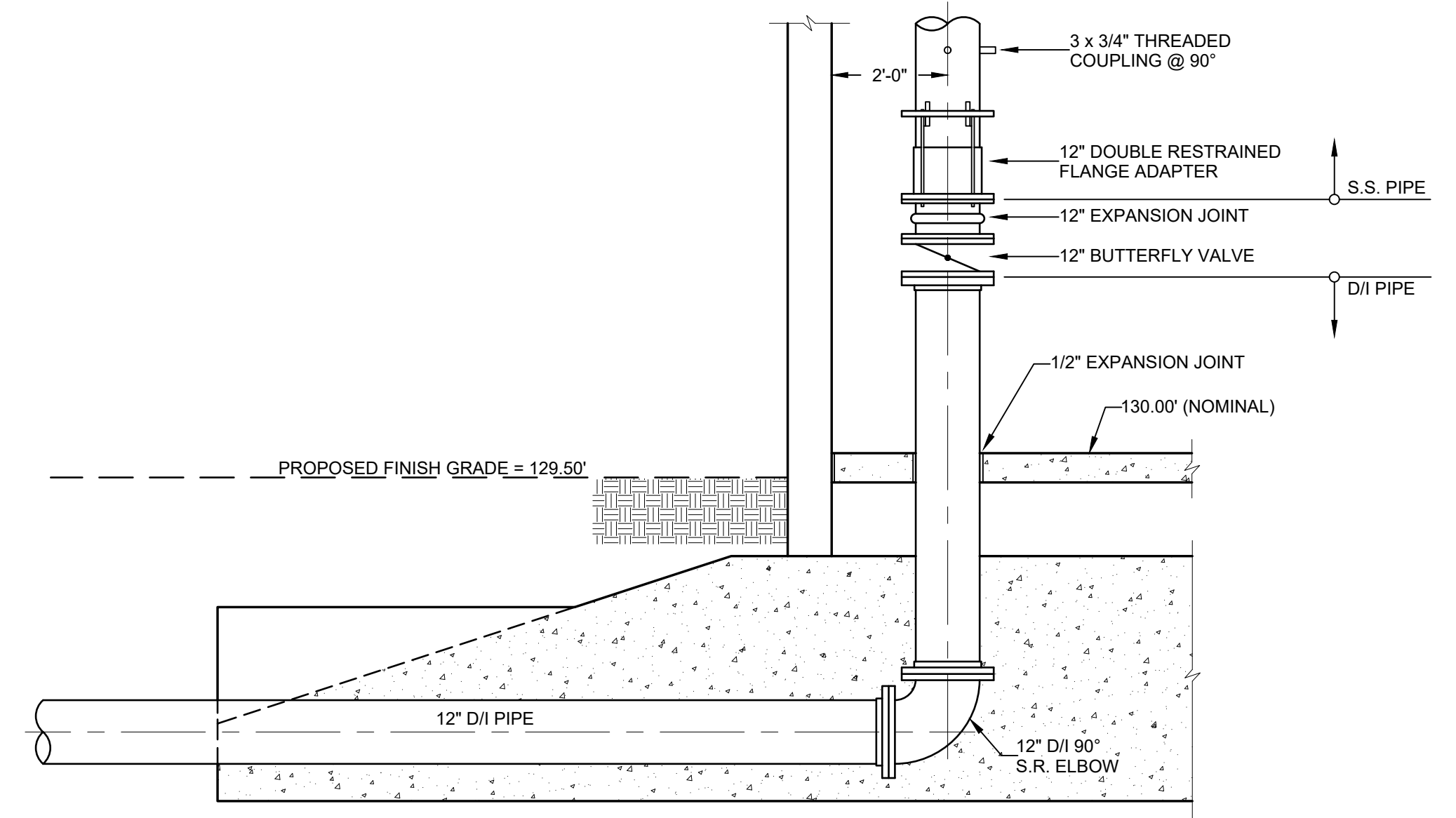
SUITABLE SCREENED VENT SHALL BE PROVIDED ON TOP OF THE TANK. VENT SHALL BE SIZED TO SAFELY VENT TANK DURING PUMPING OR WITHDRAWAL PERIODS. SCREEN MATERIAL SHALL BE COPPER INSECT SCREEN OR APPROVED EQUAL.



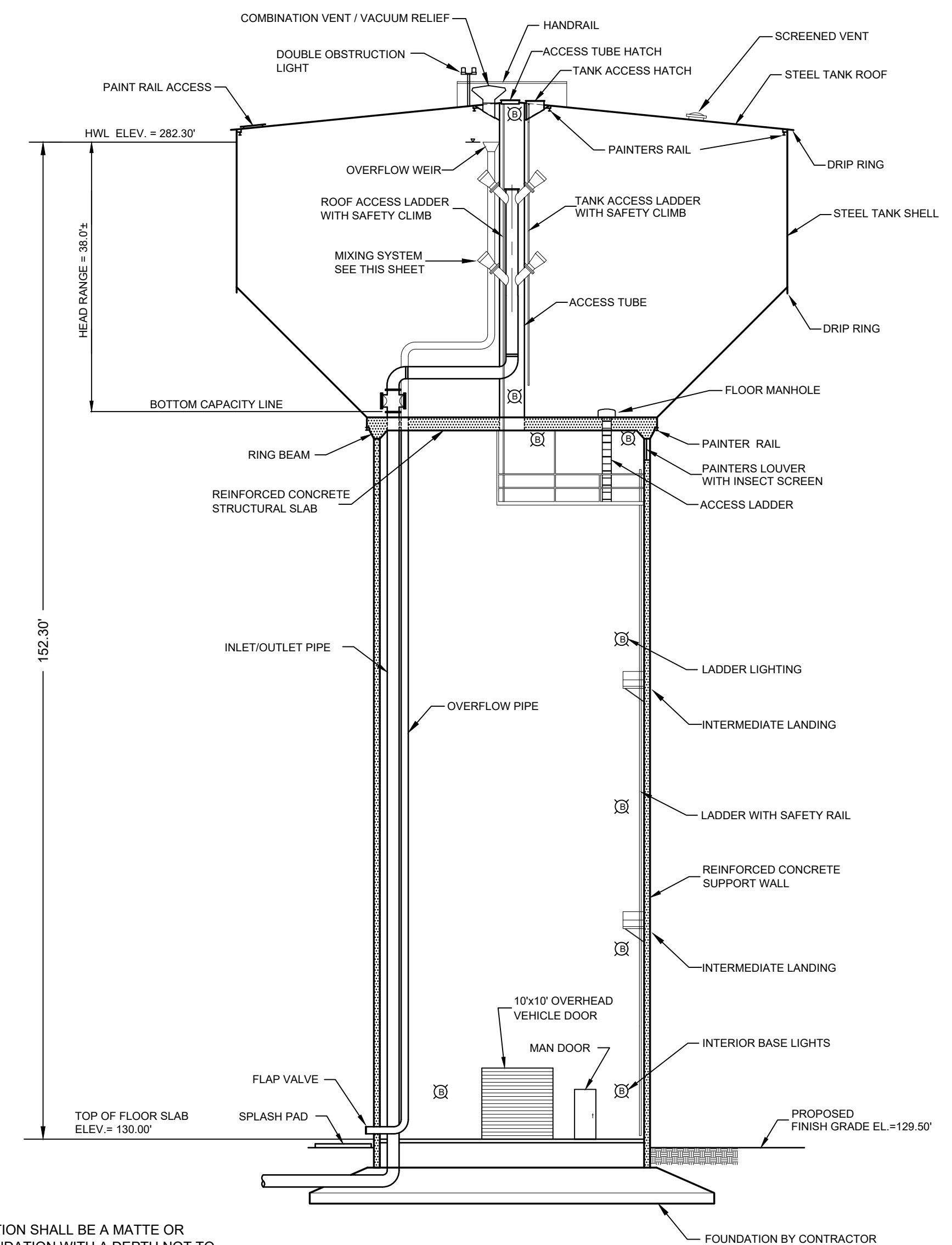
Overflow Inlet
NTS



8" Overflow Outlet
NTS



12" Inlet/Outlet Detail
NTS



Composite Tank Elevation
NTS

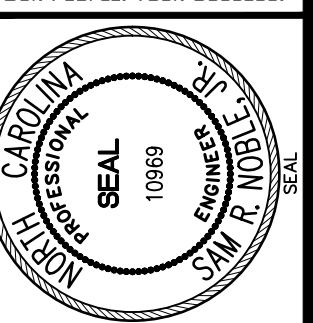
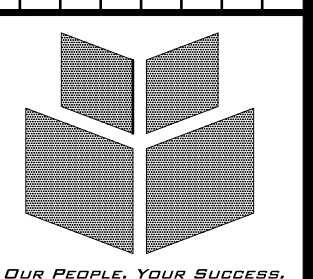
NOTE: FOUNDATION SHALL BE A MATTE OR RINGWALL FOUNDATION WITH A DEPTH NOT TO EXCEED 10 FEET BELOW FINISHED GRADE OR PILING SHALL BE INSTALLED TO A DEPTH OF NOT MORE THAN 65 FEET.

- NOTES:
1. TANK CONTRACTOR TO MOUNT DOUBLE OBSTRUCTION LIGHTS ON TOP OF TANK. SEE SPECIFICATIONS FOR DETAILS.
 2. TANK CONTRACTOR SHALL INSTALL CONDUIT, LIGHTS & ELECTRICAL SERVICE PER SPECIFICATIONS & SPECIAL PROVISIONS.
 3. ALL CHLORINATED WATER USED FOR ELEVATED TANK DISINFECTION SHALL BE DISCHARGED TO WASTE, AS DIRECTED BY THE ENGINEER, PRIOR TO REFILLING THE ELEVATED TANK FOR BACTERIOLOGICAL TESTING.
 4. LADDERS SHALL BE PROVIDED AS REQUIRED BY SPECIFICATIONS.

<input type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary Plat - Not for recordation, conveyances, or sales
<input type="checkbox"/>	Final Drawing - Not released for construction
<input type="checkbox"/>	Final Drawing - For Review Purposes Only
<input type="checkbox"/>	Final Drawing - Released For Construction

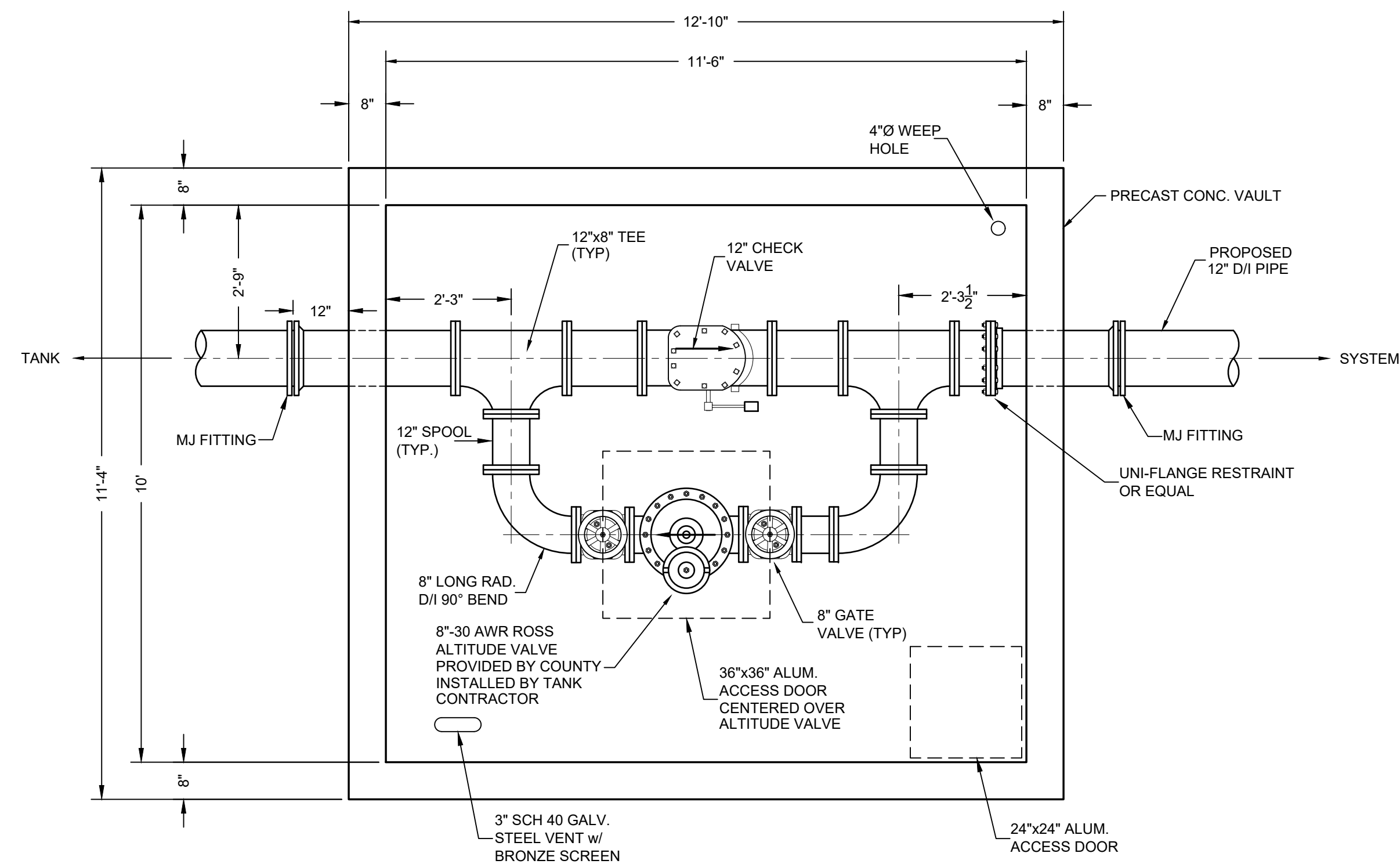
REVISIONS

DESIGNED BY: SRN
DRAWN BY: GIB
CHECKED BY: SRN
DATE: JAN. 2023
SCALE: NONE
FILE BOOK: --
FILE NO.: Tank Details
PROJECT NO.: --

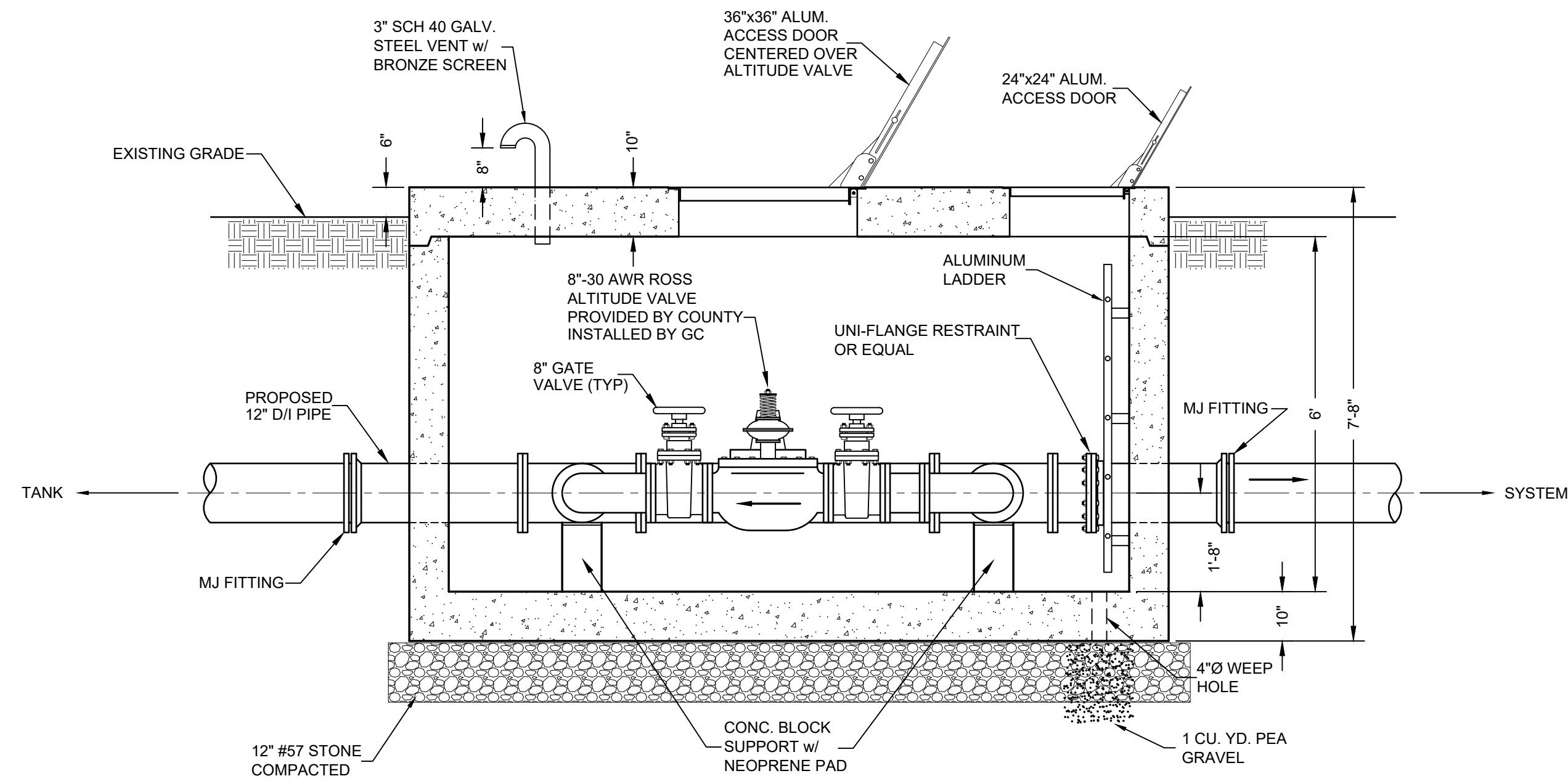


WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS
 208 EAST 5th STREET • LUMBERTON, N.C. 28358 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • EMAIL: KNEngineering@att.net

ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK - TANK ELEVATION AND DETAILS



Plan View
1/2" = 1'-0"



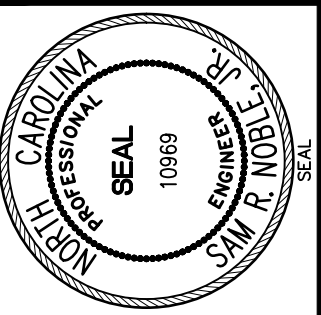
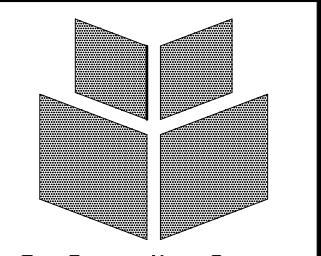
Profile View
1/2" = 1'-0"

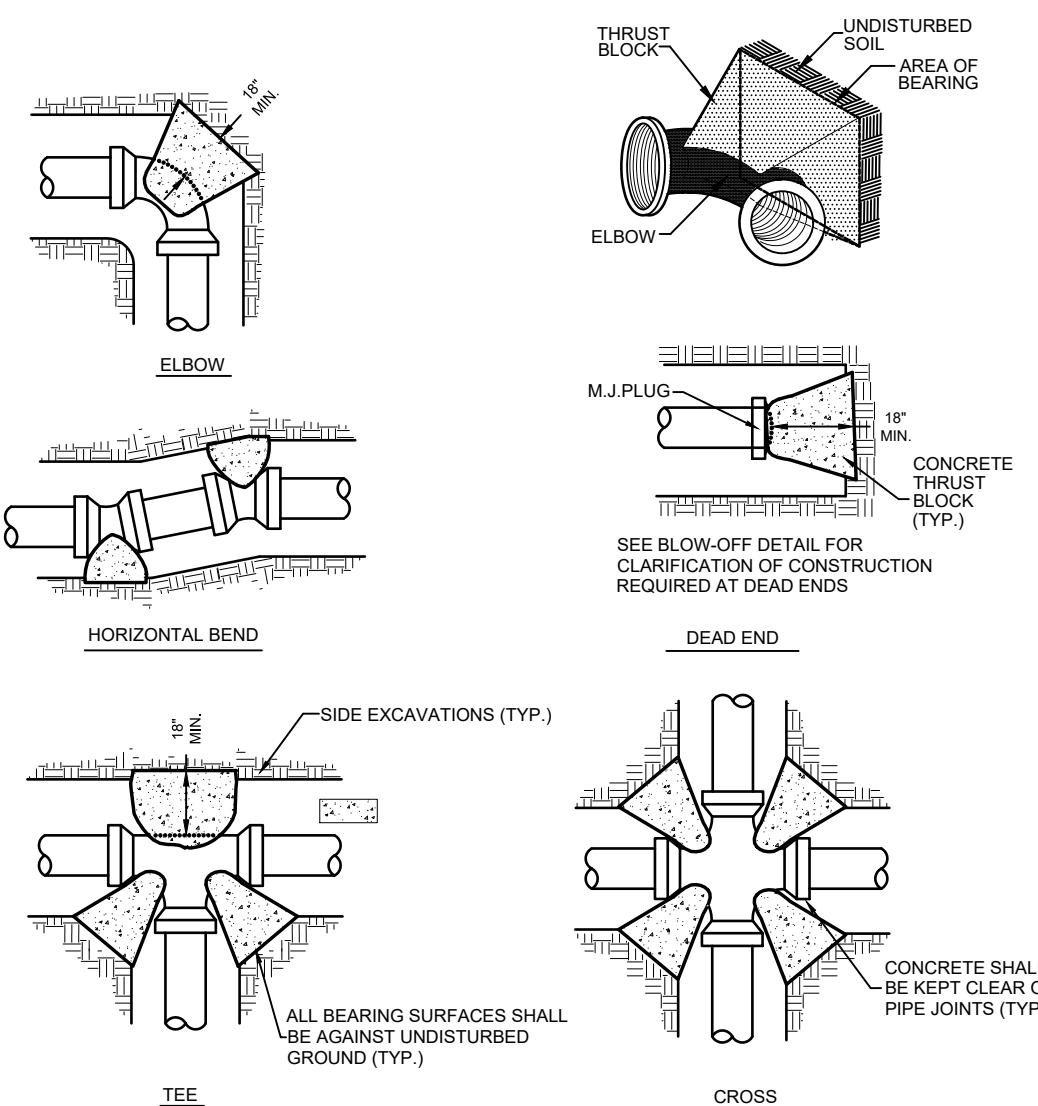
<input checked="" type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary Plat - Not for recordation, conveyances, or sales
<input type="checkbox"/>	Final Drawing - Not released for construction
<input type="checkbox"/>	Final Drawing - For Review Purposes Only
<input type="checkbox"/>	Final Drawing - Released For Construction

WITHERS RAVENEL • ENGINEERS • PLANNERS • SURVEYORS
 208 EAST 5th STREET • LUMBERTON, N.C. 28358 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • EMAIL: KNEngineering@atl.net

ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK - ALTITUDE VALVE AND VAULT

DESIGNED BY: SRN
DRAWN BY: CBB
CHECKED BY: SRN
DATE: JAN. 2023
SCALE: 1/2" = 1'-0"
FIELD BOOK: -
FILE NO: ALTITUDE Valve
PROJECT NO.: -



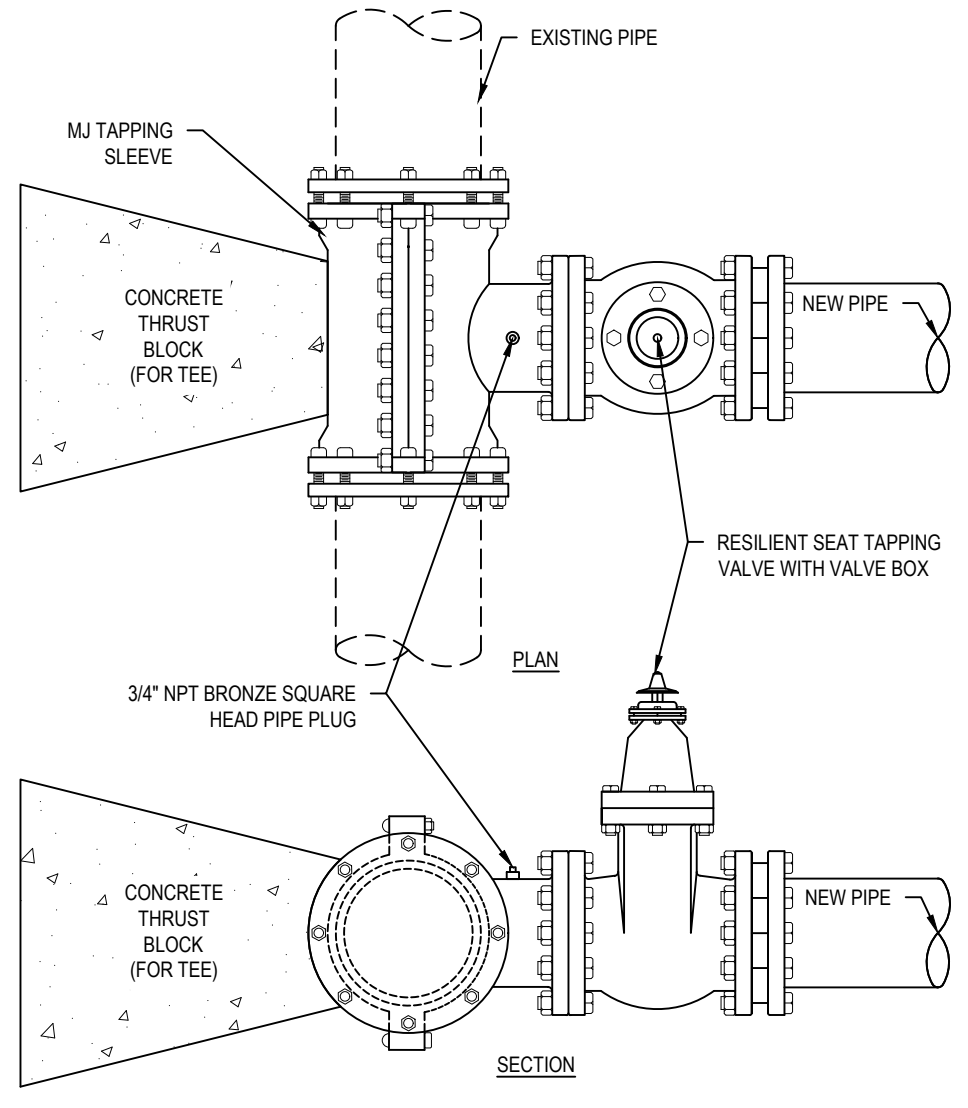


- NOTES:
- THRUST BLOCKS SHALL BE INSTALLED ON PVC WATER DISTRIBUTION LINES 6" THRU 12" DIA. IN THE MANNER SHOWN.
 - PIPE GREATER THAN 12 INCH DIAMETER SHALL REQUIRE RESTRAINT JOINT PIPE FOR THE PROPER LENGTH.
 - SAC-CRETE SHALL NOT BE ALLOWED.
 - NO CONCRETE SHALL BE PLACED ON BOLTS. WRAP JOINT FITTINGS WITH PLASTIC.
 - CONCRETE SHALL BE A MINIMUM 3,000 PSI.
 - ALL BEARING SURFACES SHALL BE AGAINST UNDISTURBED SOIL.

CONCRETE THRUST BLOCK DETAIL
NTS

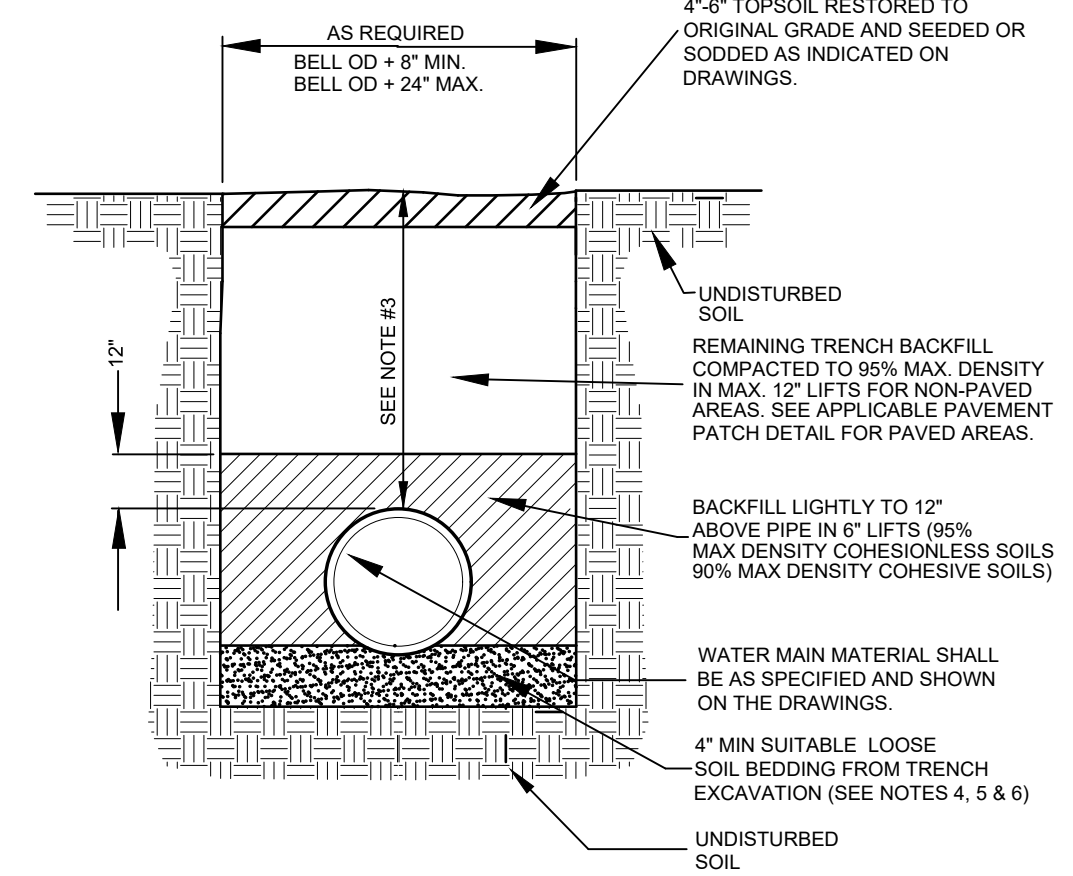
FITTING SIZE (IN.)	THRUST BLOCKING SCHEDULE				
	11 1/4"	22 1/2"	48"	90"	FLUG
2			0.23 (0.11)	0.38 (0.11)	0.30 (0.11)
4			0.83 (0.18)	1.35 (0.18)	0.98 (0.18)
6	0.40 (0.01)	0.80 (0.02)	1.73 (0.20)	3.00 (0.33)	2.17 (0.25)
8	0.80 (0.02)	1.50 (0.04)	3.08 (0.34)	5.40 (0.60)	3.83 (0.42)
10	1.20 (0.03)	2.30 (0.07)	4.72 (0.52)	8.40 (0.94)	5.92 (0.66)
12	1.70 (0.05)	3.30 (0.12)	6.82 (0.75)	12.00 (1.33)	8.48 (0.94)
16	3.00 (0.33)	5.90 (0.65)	11.60 (0.86)	21.30 (1.57)	15.00 (0.97)
20	4.60 (0.52)	9.20 (0.76)	18.00 (1.32)	33.30 (3.60)	23.30 (1.87)
24	6.70 (0.75)	13.20 (0.97)	26.00 (2.28)	48.00 (5.29)	33.60 (3.24)
30	10.40 (0.77)	20.70 (1.80)	40.60 (4.45)	75.00 (10.30)	52.50 (8.32)
36	15.00 (1.26)	29.80 (3.11)	58.40 (7.87)	108.0 (17.90)	75.60 (10.90)

NOTE: Values given are based on 150 psi water pressure and 2000 blif soil bearing capacity. Soils with less bearing capacity such as muck, peat or soft clay will require greater blocking areas and volumes.
The thrust blocking shown above is based on the use of mechanical joint as shown on plans.



- NOTES:
- SLEEVE BODY SHALL BE DUCTILE IRON ASTM A536.
 - THE MATING FLANGE TO THE TAPPING SLEEVE MUST HAVE A RAISED MATE FACE TO PROVIDE FOR PROPER ALIGNMENT OF THE VALVE & TAPPING SLEEVE.
 - THE SLEEVE SHALL INCLUDE A FULL CIRCUMFERENTIAL GASKET PROVIDING A 360° SEAL AROUND EXISTING PIPE.
 - ALL VALVES SHALL HAVE 2" SQUARE OPERATING NUT & SHALL OPEN COUNTERCLOCKWISE.
 - VALVE BODY, BONNET, & GATE SHALL BE IN ACCORDANCE WITH AWWA C515 AND NSF 61.
 - VALVE BODY & BONNET SHALL BE COATED ON ALL INTERIOR & EXTERIOR SURFACES WITH A FUSION BONDED EPOXY IN ACCORDANCE WITH AWWA C550.
 - ALL VALVES 24" & SMALLER SHALL HAVE A SAFE WORKING PRESSURE OF 250 PSI.
 - PIPE SURFACES SHALL BE CLEANED THOROUGHLY TO PERMIT FOR A GOOD SEAL PRIOR TO INSTALLATION.
 - EXTERIOR OF TAPPING SLEEVE SHALL BE COATED WITH 2 COATS OF ASPHALTIC VARNISH MIL-C450.
 - EDGE OF SLEEVE SHALL BE LOCATED A MINIMUM OF 5' FROM THE NEAREST JOINT.

Tapping Sleeve & Valve
NTS

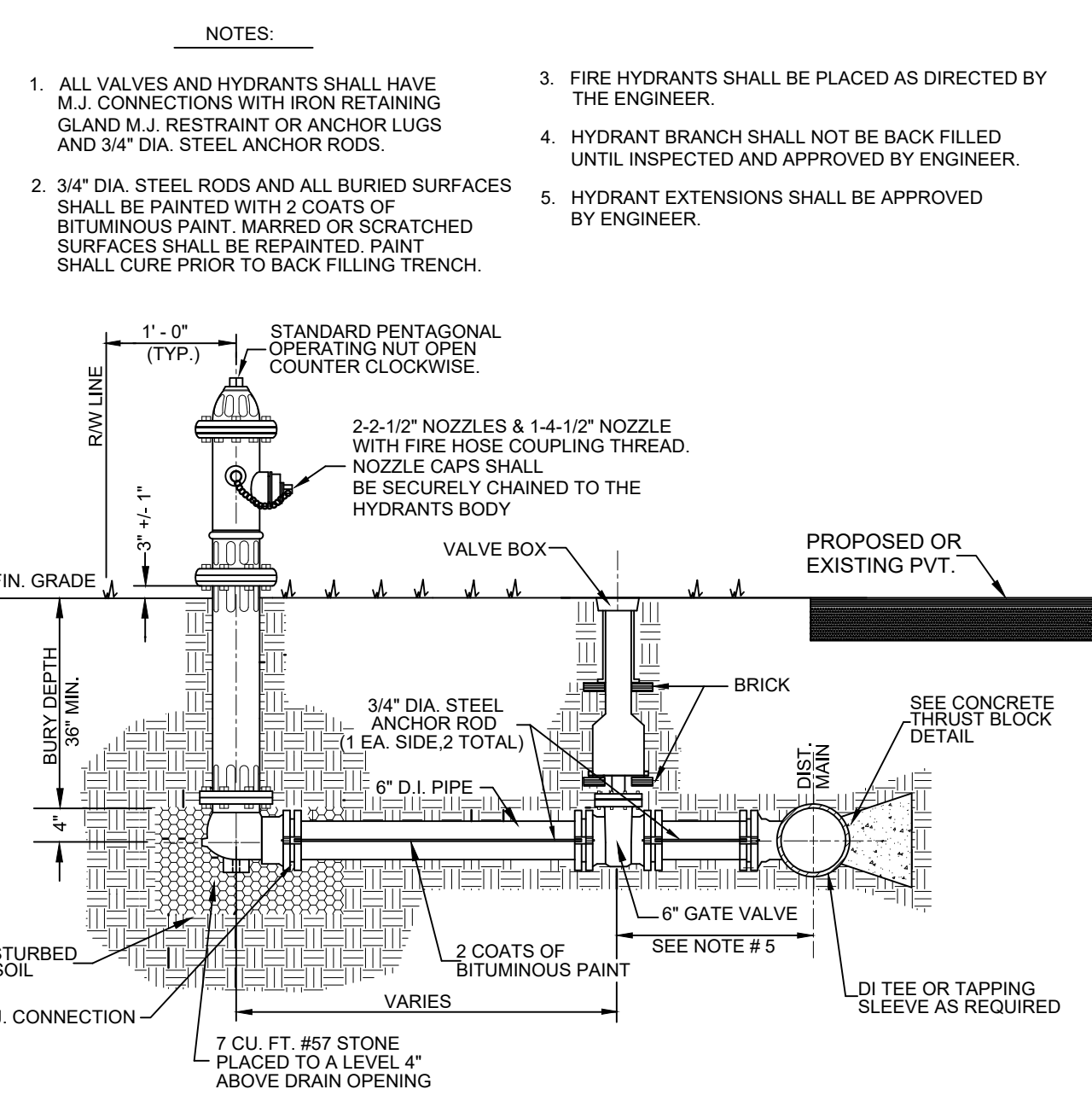


- NOTES:
- ALL EXCAVATIONS SHALL COMPLY WITH THE TERMS AND CONDITIONS OF THE CONSTRUCTION STANDARDS FOR EXCAVATIONS IN OSHA SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, CHAPTER XV.11 OF TITLE 29, CFR, PART 1926. THE CONTRACTOR SHALL HAVE A COMPETENT PERSON ON SITE AT ALL TIMES DURING EXCAVATION AND BACKFILLING.
 - CONTRACTOR SHALL USE TRENCH BOX SHORING IN ALL OPEN CUTS IN PAVED AREAS. TRENCH WIDTH SHALL BE MAINTAINED AT THE MINIMUM PRACTICAL WIDTH.
 - SEE PLANS FOR MINIMUM COVER.
 - LOOSE SOIL OR SELECT MATERIAL IS DEFINED AS "NATIVE" SOIL EXCAVATED FROM THE TRENCH, FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH.
 - BEDDING MATERIAL SHALL EXTEND TO UNDISTURBED TRENCH WALLS AND TRENCH BOTTOM. BEDDING MATERIAL WILL NOT BE PAID FOR UNLESS SPECIFICALLY APPROVED BY THE PROJECT REPRESENTATIVE AND ONLY FOR THE AUTHORIZED QUANTITY.
 - WHERE NATIVE SOIL IS DETERMINED TO BE ADEQUATE BY THE ENGINEER, NO EXCAVATION BELOW THE BOTTOM OF PIPE IS REQUIRED.
 - BEDDING MATERIAL SHALL BE PROPERLY RODDED AND COMPACTED AROUND THE PIPE HAUNCHES.
 - TEST FOR DENSITY OF COMPACTION MAY BE MADE AT THE OPTION OF THE ENGINEER AND DEFICIENCIES SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE ENGINEER MAY HAVE COMPACTION TEST PERFORMED AFTER THE BACKFILL IS COMPLETE. CONTRACTOR SHALL BE REQUIRED TO EXCAVATE TO VARIOUS ELEVATIONS FOR DENSITY TESTING EXCAVATION, BACKFILL AND RECOMPACTION SHALL BE PERFORMED AT NO ADDITIONAL COSTS TO THE OWNER.

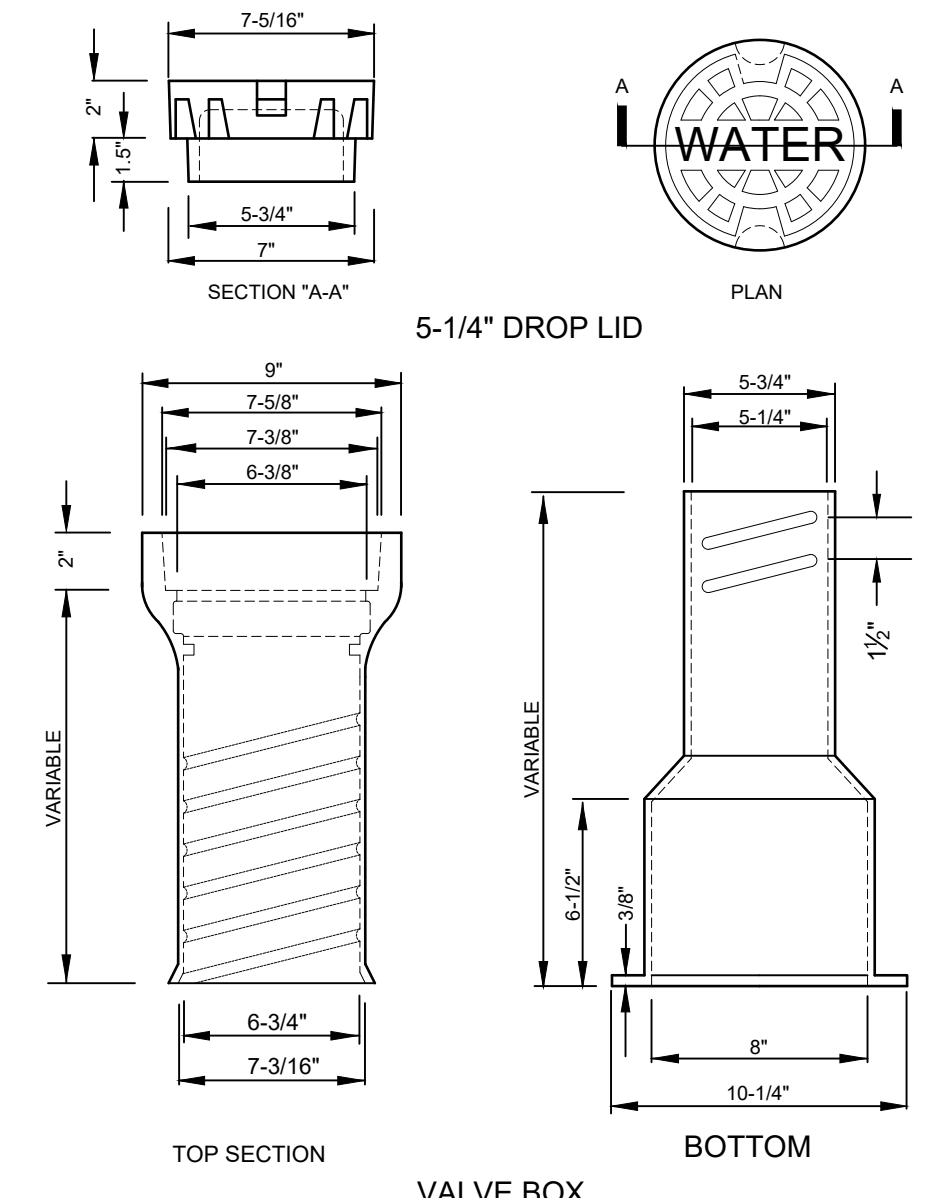
WATER MAIN BEDDING DETAIL
NTS

GENERAL NOTES:

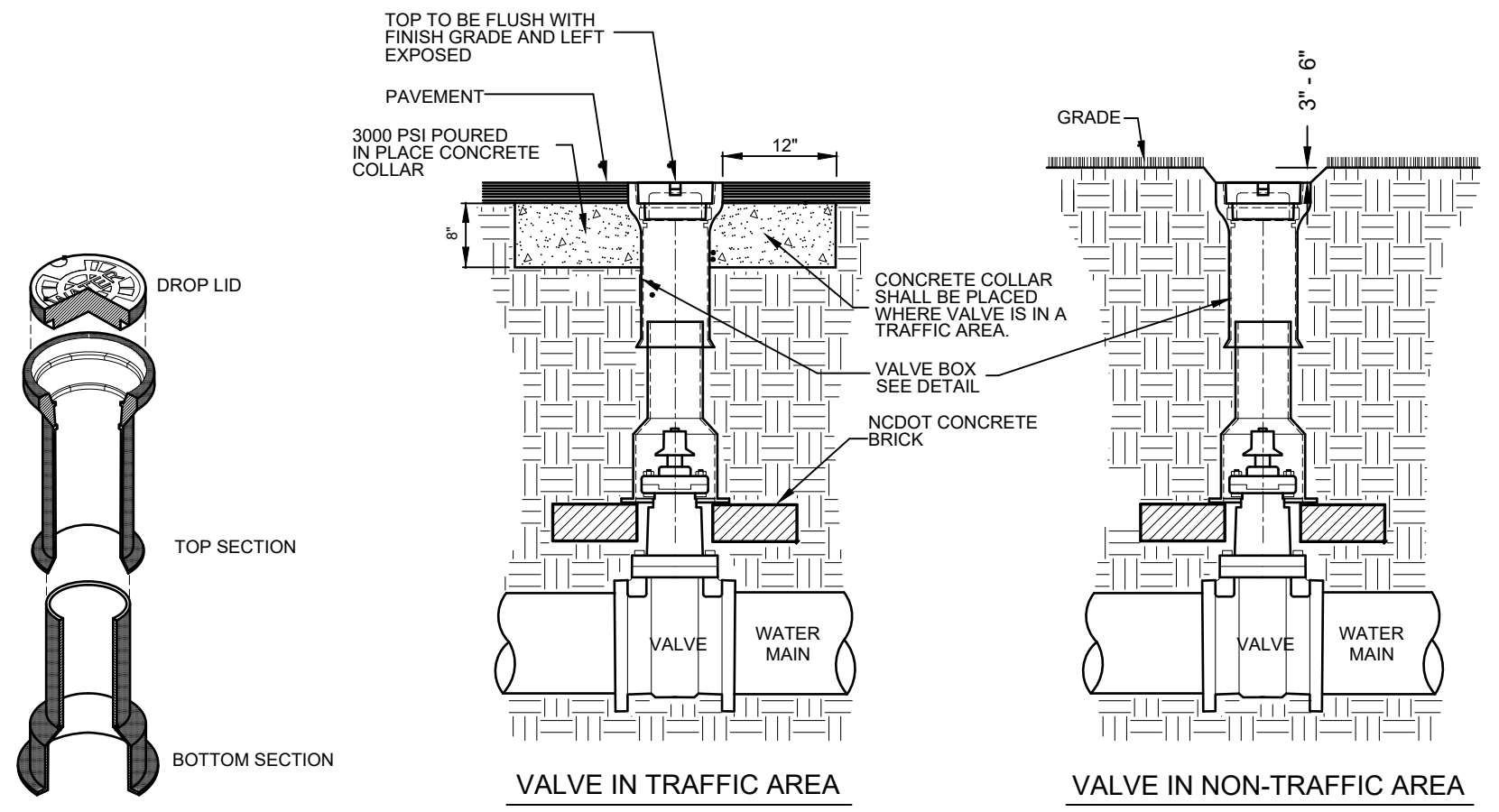
- THE CONTRACTOR SHALL HAVE A COMPLETE SET OF CONTRACT DOCUMENTS AS WELL AS ALL PERMIT APPROVALS AND EASEMENTS ON THE JOB SITE AT ALL TIMES.
- ALL SHOP DRAWINGS MUST BE REVIEWED AND APPROVED BY ENGINEER BEFORE EQUIPMENT IS ORDERED.
- CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL UNDERGROUND UTILITIES. KNOWN EXISTING UTILITIES HAVE BEEN LOCATED FROM THE INFORMATION AVAILABLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCURATELY LOCATE BOTH HORIZONTALLY AND VERTICALLY ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE NC ONE CALL CENTER AT 800.632.4949. ALL COSTS ASSOCIATED WITH ANY DAMAGE TO KNOWN OR UNKNOWN EXISTING UTILITIES RESULTING FROM THE CONTRACTOR'S FAILURE TO ADEQUATELY PROTECT THE EXISTING UTILITIES DURING CONSTRUCTION SHALL BE BORNE SOLELY BY THE CONTRACTOR.
- CONTRACTOR SHALL MAKE EVERY EFFORT TO SAVE PROPERTY IRONS, MONUMENTS, OTHER PERMANENT POINTS AND LINES OF REFERENCE AND CONSTRUCTION STAKES. A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE SHALL REPLACE PROPERTY IRONS, MONUMENTS, AND OTHER PERMANENT POINTS OF REFERENCE DESTROYED BY THE CONTRACTOR.
- CONTRACTOR SHALL CLEAR AND GRUB ALL UTILITY EASEMENTS, AS DIRECTED BY THE OWNER, TO INSTALL NEW UTILITIES. ON ROADWAY RIGHT-OF-WAYS, THE CONTRACTOR SHALL ONLY REMOVE THE TREES MARKED ON THE PLANS AND SHALL MAKE EVERY EFFORT DURING CONSTRUCTION TO PROTECT THE TREES THAT WILL NOT BE REMOVED.
- THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN ALL NECESSARY EROSION CONTROL MEASURES WHETHER OR NOT SHOWN ON THE PLANS TO PROTECT ADJACENT CREEKS, RIVERS, ROADWAYS, ETC. FROM SILTATION AND EROSION.
- THE CONTRACTOR SHALL SUPPORT ALL UTILITY POLES AS NECESSARY. THE CONTRACTOR SHALL COORDINATE UTILITY POLE SUPPORT WITH THE APPROPRIATE UTILITY COMPANIES.
- CONTRACTOR SHALL RESTORE/REPLACE ALL SIGNS, MAILBOXES, ETC. ENCOUNTERED DURING CONSTRUCTION TO ORIGINAL CONDITION.
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO THE EXISTING GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- ALL DRIVEWAYS SHALL BE REPAIRED AS SOON AS CONSTRUCTION HAS PASSED. A MINIMUM OF 6" OF CABC SHALL BE USED FOR TEMPORARY REPAIR ON ASPHALT AND CONCRETE DRIVEWAYS UNTIL PERMANENT REPAIR CAN BE COMPLETED AND A MINIMUM OF 6" OF CABC SHALL BE USED AS PERMANENT REPAIR ON GRAVEL DRIVEWAYS.
- CONTRACTOR SHALL REPLACE WITH NEW ALL DRIVEWAY PIPES AND OTHER DRAINAGE PIPES/CULVERTS THAT ARE DISTURBED WHILE INSTALLING THE UTILITIES. ALL PIPE/CULVERTS SHALL MEET THE REQUIREMENTS OF NCDOT.
- ALL ROADWAY DITCHES DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION OR BETTER AND CONFORM TO NCDOT REQUIREMENTS. ALL DITCHES SHALL BE LINED WITH EROSION CONTROL MATTING UNLESS OTHERWISE NOTED.
- ALL EXCAVATED MATERIAL SHALL BE PLACED WITHIN THE LIMITS OF DISTURBANCE DURING UTILITY INSTALLATION. THE CONTRACTOR SHALL PROVIDE THE NECESSARY SEDIMENT AND EROSION CONTROL MEASURES TO CONTROL RUN-OFF. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED OF LEGALLY.
- HORIZONTAL DATUM IS NAD 83.
- VERTICAL DATUM IS NAVD 88.



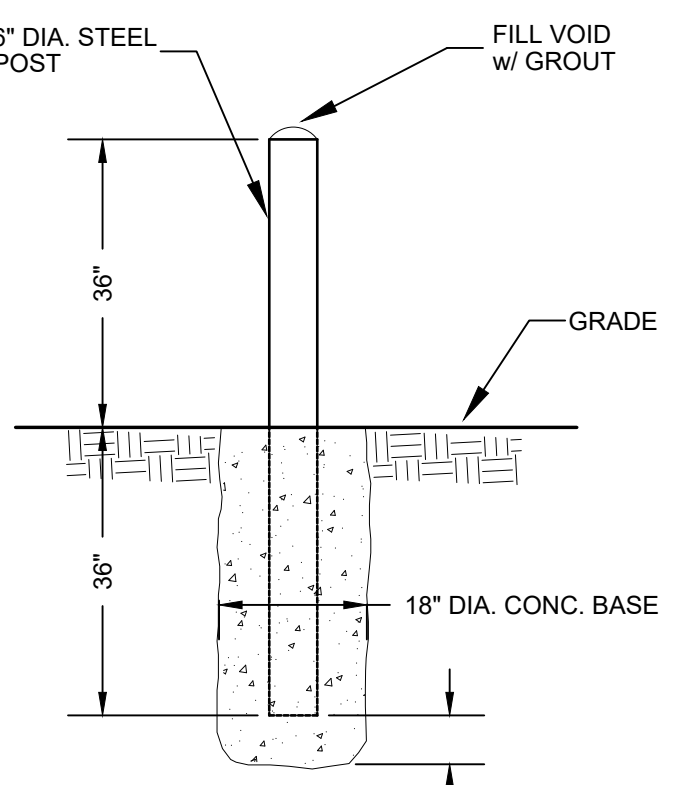
HYDRANT DETAIL
NTS



Valve Box Detail
NTS



Open Cut & Patch Detail
NTS



Bollard Detail
NTS

<input checked="" type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary Plat - Not for recordation, conveyances, or sales
<input type="checkbox"/>	Final Drawing - Not released for construction
<input type="checkbox"/>	Final Drawing - For Review Purposes Only
<input type="checkbox"/>	Final Drawing - Released For Construction

DESIGNED BY: **SN**
 DRAWN BY: **CB**
 CHECKED BY: **SN**
 DATE: **JANUARY 2023**
 SCALE: **NONE**
 FIELD BOOK: **-**
 FILE NO: **D-1**
 PROJECT NO: **-**

WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS
 208 EAST 5th STREET • LUMBERTON, N.C. 28358 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • E-MAIL: KNEngineering@att.net

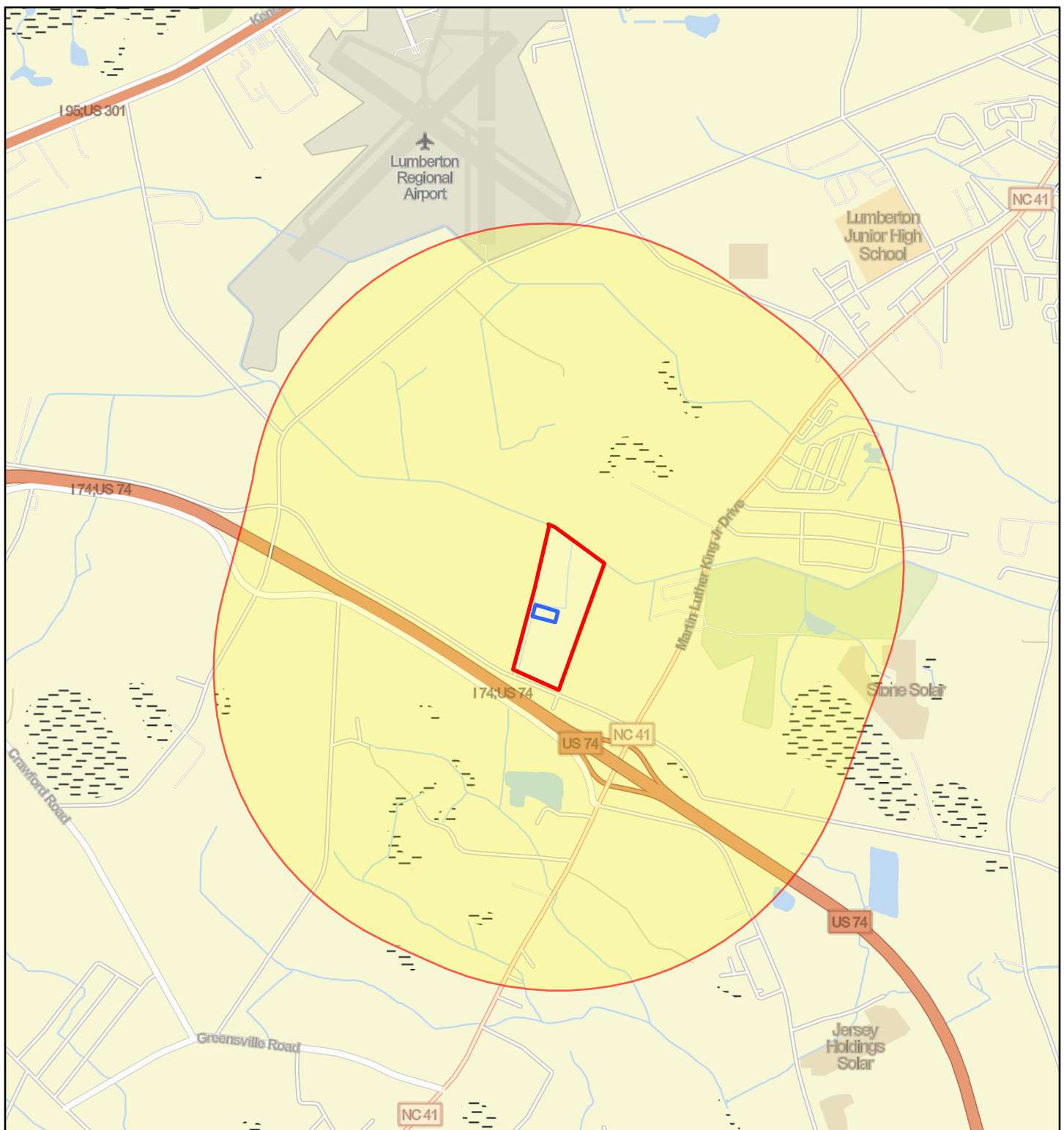
ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK - DETAILS

SHEET NO. **D-1**
 OF

Section 106 ATTACHMENT 2:





NRHP and HPOWEB Maps

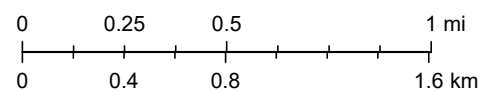
Legend Road Water Tank - NRHP Map (1-mile)



May 10, 2023

1:36,112

-  Excluded Parcel
-  Legend Road Water Tank - EPA Facilities
-  Buffer graphics
-  National Register of Historic Places



Map data © OpenStreetMap contributors, Microsoft, Facebook, Inc. and its affiliates, Esri Community Maps contributors, Map layer by Esri, EPA OEI, OFA

Legend Road Water Tank – HPOWEB





Tribal Directory Assessment Information



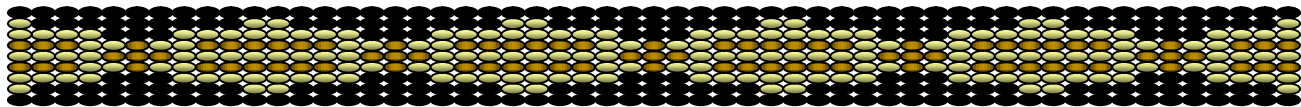
Contact Information for Tribes with Interests in Robeson County, North Carolina

Tribal Name				County Name			
- Catawba Indian Nation				Robeson			
Contact Name	Title	Mailing Address	Work Phone	Fax Number	Cell Phone	Email Address	URL
Dr. Wenonah G. Haire	THPO and Catawba Cultural Center Executive Director	1536 Tom Steven Road Rock Hill, SC 29730	(803) 328-2427 ext. 224	(803) 328-5791		wenonah.haire@catawba.com	http://www.catawba-indian.net/
Bill Harris	Chief	996 Avenue of the Nations Rock Hill, SC 29730	(803) 366-4792	(803) 327-4853		bill.harris@catawbaindian.net	http://www.catawba-indian.net/

1 - 1 of 1 results « < 1 > » 10 ▾

Catawba Indian Nation
Tribal Historic Preservation Office
1536 Tom Steven Road
Rock Hill, South Carolina 29730

Office 803-328-2427
Fax 803-328-5791



June 15, 2023

Attention: Andrea Gievers
NCORR- Environmental
P.O. Box 110465
Durham, NC 27709

Re. THPO #	TCNS #	Project Description
2023-1119-6		Legend Road Water Tank – 176 Legend Road, Lumberton, NC

Dear Ms. Gievers,

The Catawba have no immediate concerns with regard to traditional cultural properties, sacred sites or Native American archaeological sites within the boundaries of the proposed project areas. **However, the Catawba are to be notified if Native American artifacts and / or human remains are located during the ground disturbance phase of this project.**

If you have questions please contact Caitlin Rogers at 803-328-2427 ext. 226, or e-mail Caitlin.Rogers@catawba.com.

Sincerely,

Wenonah G. Haire
Tribal Historic Preservation Officer



North Carolina Department of Public Safety

Office of Recovery and Resiliency

Roy Cooper, Governor
Eddie M. Buffaloe, Jr., Secretary

Laura H. Hogshead, Director

May 12, 2023

Chief Bill Harris
Catawba Indian Nation
996 Avenue of the Nations
Rock Hill, SC 29730

RE: Section 106 Review - HUD CDBG-MIT Program
Legend Road Water Tank
176 Legend Road
Lumberton, NC 28358

Dear Chief Bill Harris:

The North Carolina Office of Recovery and Resiliency (NCORR), as a recipient of Community Development Block Grant – Mitigation (CDBG-MIT) funds from the United States Department of Housing and Urban Development (HUD), is serving as the responsible entity for compliance with the HUD environmental review procedures set forth in 24 CFR Part 58. NCORR is acting on behalf of HUD in providing the enclosed project information and inviting this discussion with your Nation.

NCORR processes environmental reviews for proposed projects funded with HUD CDBG-MIT on a case-by-case basis. In accordance with Section 101(d)(6)(B) of the National Historic Preservation Act (NHPA) of 1966, as amended (16 U.S.C. 470f), and its implementing regulations, 36 CFR Part 800, this letter serves as notification of the proposed action. This letter also serves as an invitation to discussion as a consulting party in this review to help identify historic properties in the proposed project area that may have religious and cultural significance to your Nation, and if such properties exist, to help assess how the proposed project might affect them. If the proposed project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

Mailing Address:
Post Office Box 110465
Durham, NC 27709



Phone: (984) 833-5350
www.ncdps.gov
www.rebuild.nc.gov

An Equal Opportunity Employer

Area of Potential Effects (APE) under §800.16(d): We have defined the APE as the boundary of the Subject located at 176 Legend Road, Lumberton, Robeson County, NC 28358 (**Attachment 1**). According to the Robeson County Tax Map, the County-owned Parcel ID is 02090100501 and consists of 60.96 acres (**Attachment 1**).

The State of North Carolina was adversely impacted by the landfall of Hurricanes Matthew (October 8, 2016) and Florence (September 14, 2018). During the Hurricane Matthew storm event, water delivery systems throughout Robeson County were adversely impacted by water service interruptions, including to the public facilities located along Legend and Sanchez Roads. During and immediately following the storm event, potable water had to be transported to these facilities, both by truck and through individual bottled servings. The NC DWR's Public Water Supply section requires all water systems to maintain a minimum pressure of 30 psi for normal conditions and 20 psi for fire flow. These numbers are attainable with the proposed project's installation of an elevated water storage tank in the vicinity of the Robeson County Emergency Operations Center, Sheriff's Office and Jail, Emergency Medical Services, Water Department, and Public Utilities buildings to avoid system pressure loss at these County facilities and the adjacent NC Department of Corrections' Lumberton Correctional Institution. It is critical that these facilities have adequate water supply during emergencies and future storm events. This proposed project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events. Therefore, funding for the proposed project will be provided in part by the HUD CDBG-MIT North Carolina Infrastructure Recovery Program for Hurricanes Matthew and Florence storm recovery activities in North Carolina.

Proposed Project Description: This proposed project will utilize CDBG-MIT funding to construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions as experienced during Hurricane Matthew. The proposed project includes procurement of architectural/engineering services, soils testing, boundary surveys, and construction of improvements. Construction will involve extensive land clearing and excavation, trenching, placement of concrete foundations, installation of an appropriately-sized elevated water tank and piping, and connections to the existing 12-inch water main on Legend Road and the existing 8-inch water main that ties into Sanchez Road. The foundations shall be a mat or ring wall foundation with a depth not to exceed 10 feet below finish grade or pilings to a depth of not more than 65 feet. Two hundred feet of ductile iron pipe with neoprene gaskets will be installed where the water main passes within 100 feet of an existing underground fuel storage tank. The proposed project site plans are included in **Attachment 1**.

We have completed an initial review of this project in compliance with Section 106 of the NHPA and its implementing regulations 36 CFR Part 800. Based on our research of the Subject Property in the National Register of Historic Places, North Carolina State Historic Preservation Office's (NC SHPO) HPOWEB, and site review, no publicly recorded historic properties which are locally designated or listed in or eligible for inclusion in the State or National Register of Historic Places are located on or adjacent to the Subject Property. The results are included in **Attachment 2**.

The proposed project information has been sent to the NC SHPO in accordance with Section 106 of the NHPA and its implementing regulations, 36 CFR Part 800. The Lumbee Tribe is being sent a notification of the proposed project. The Subject Property is a large, County-owned parcel containing the Robeson County Emergency Operations Center, Sheriff's Office and Jail, Emergency Medical Services, Water Department, and Public Utilities buildings. The NC Department of Corrections' Lumberton Correctional Institution is across Legend Road to the west. The proposed project development area is vacant and historic use was likely agricultural.

With this letter, NCORR respectfully submits for your review the attached documentation for the proposed project described herein. If the APE encompasses historic properties of religious or cultural significance to your Nation, please respond within 30 days of receipt of this letter indicating a desire to consult. If you have any concerns with potential impacts of the proposed project on historic properties, please note them in your response along with your preferred principal representative's point of contact. Please respond within this timeframe, otherwise we will assume that the proposed project will have no effect to historic properties of religious or cultural significance. Please respond via email at Andrea.L.Gievers@Rebuild.NC.gov or in writing to the address listed below.

Ms. Andrea Gievers
NCORR - Environmental
ATTN: THPO Comments
P.O. Box 110465
Durham, NC 27709

If you have any questions or require additional information regarding this request, please feel free to contact Andrea Gievers at (845) 682-1700 or via email at Andrea.L.Gievers@Rebuild.NC.gov. Thank you for your time and assistance.

Sincerely,



Andrea Gievers, JD, MSEL, ERM
NCORR Environmental Subject Matter Expert

Enclosures:

Attachment 1: Proposed Project Location Maps and Site Plans
Attachment 2: NRHP and NC HPOWEB Maps

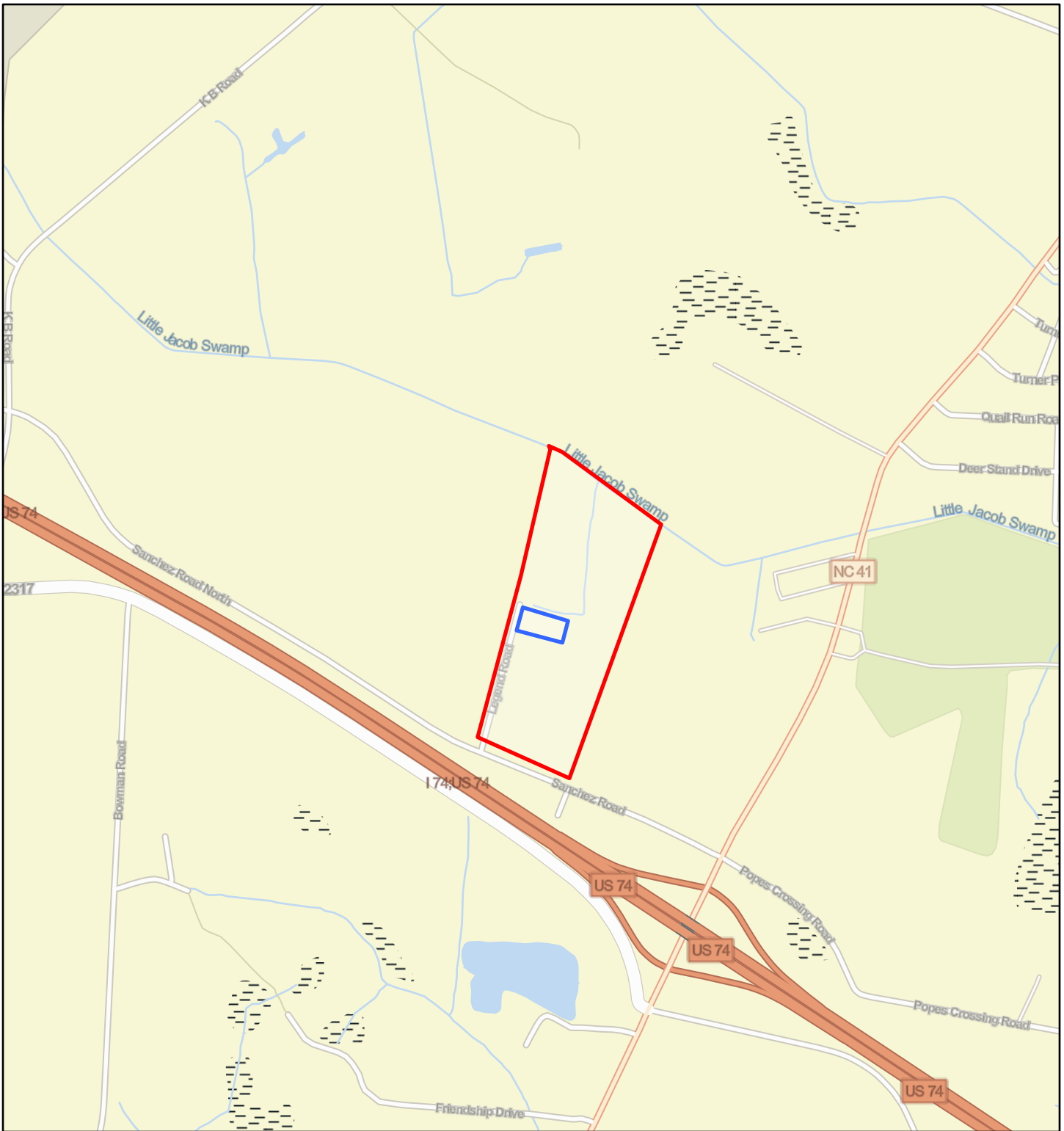
cc: Dr. Wenonah George Haire, THPO, Catawba Indian Nation, 1536 Tom Steven Road, Rock Hill, SC 29730

Section 106 ATTACHMENT 1:

Proposed Project Location

Maps and Site Plans

Legend Road Water Tank - Street Map

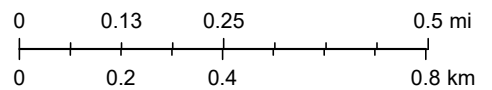


May 10, 2023

1:18,056

 Excluded Parcel

 Legend Road Water Tank



Legend Road Water Tank - Aerial Map

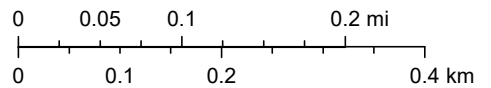


May 10, 2023

1:9,028

 Excluded Parcel

 Legend Road Water Tank





Robeson County
Ambulance Service

N.C.
Dept of
Corrections

Proposed 12'
Water Main

R.C.
Public
Utilities

Proposed Elevated
Tank

Existing
Well
Treatment

R.C.
Sheriff's
Office

R.C. Jail

Robeson County
Emergency
Operations

R.C.
Water
Dept.

1 inch = 200 feet



ROBESON COUNTY COUNTY-WIDE WATER SYSTEM

Legend Road 0.500 MG Elevated Tank

KELLIE BLUE, COUNTY MANAGER
SHELTON HILL, ASSISTANT COUNTY MANAGER
JASON KING, ASSISTANT COUNTY MANAGER

COMMISSIONERS

WIXIE STEPHENS - CHAIRMAN
H. T. (TOM) TAYLOR - VICE CHAIRMAN
PAULINE CAMPBELL
JOHN CUMMINGS
FALINE DAIL
DAVID EDGE
LANCE HERNDON
JUDY SAMPSON

TAMMY FREEMAN, CLERK TO THE BOARD
MYRON NEVILLE, PUBLIC UTILITIES DIRECTOR

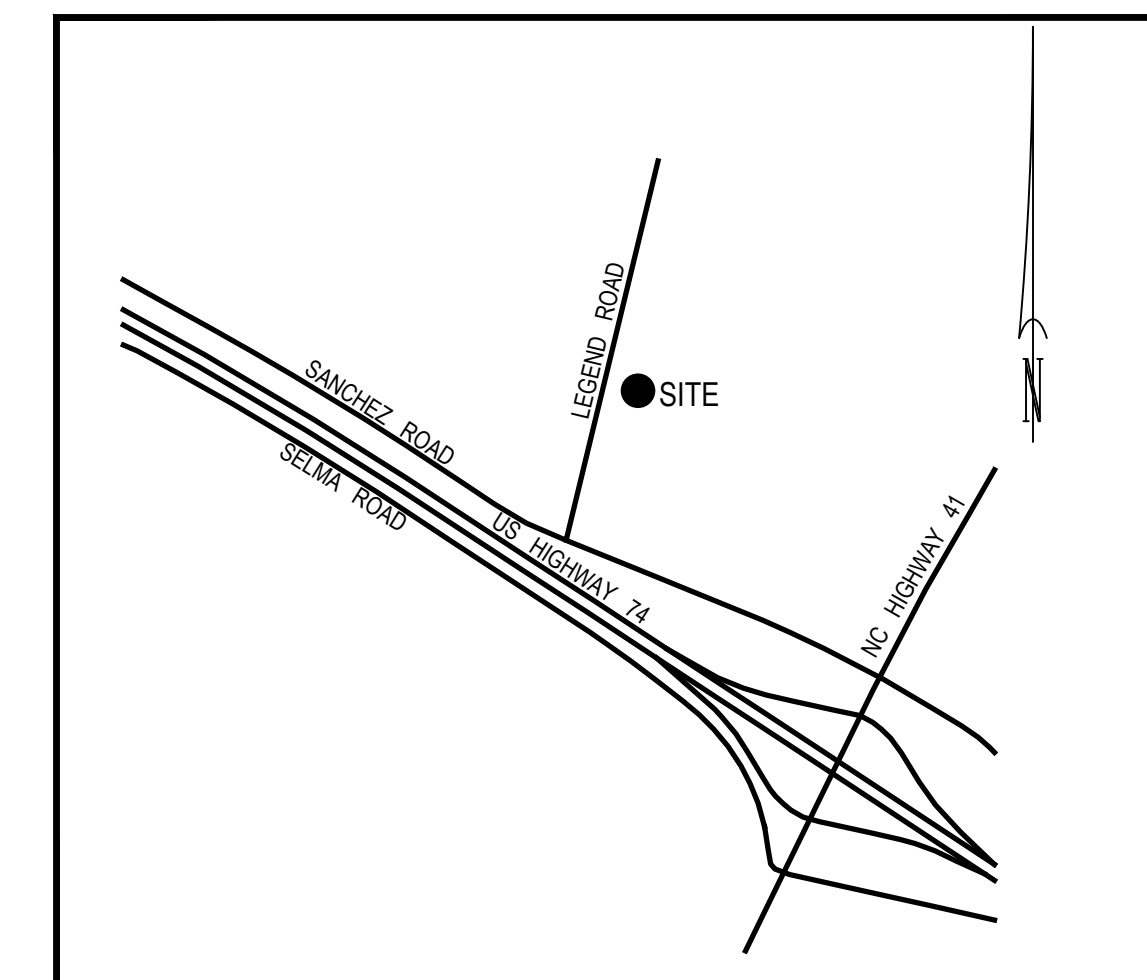
Table of Contents

- 1 - Site Plan
- 2 - 12" Water Main Plan & Profile
- 3 - Tank Elevation & Details
- 4 - Altitude Valve & Vault
- D-1 - Detail Sheet



Know what's below.
Call before you dig.

LIMITS OF WORK SHALL INCLUDE
ALL AREAS INSIDE NCDOT R/W &
EXISTING UTILITIES EASEMENTS
AS SHOWN ON PLANS.

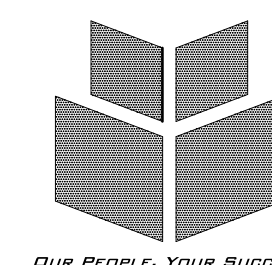


VICINITY MAP

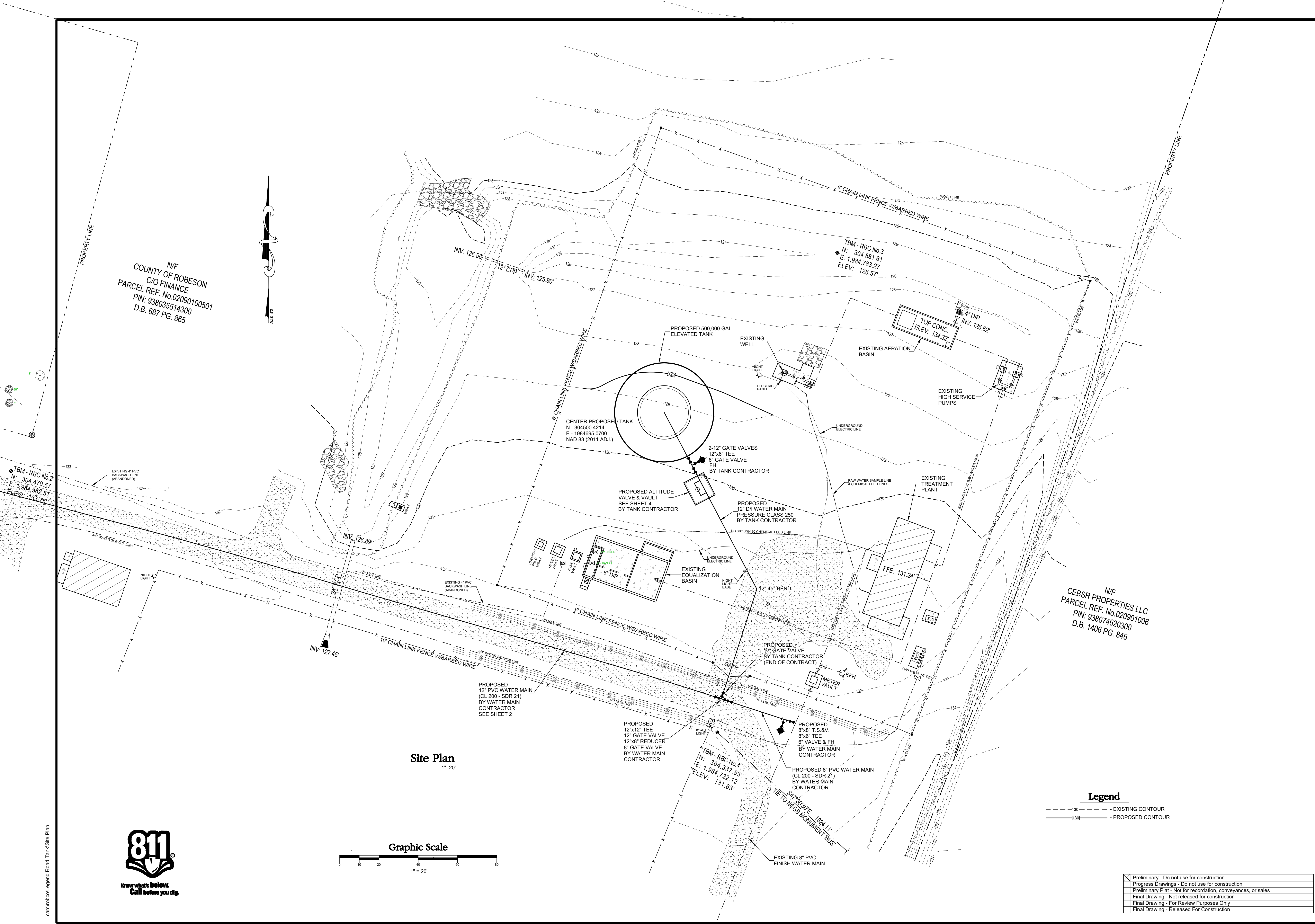


<input checked="" type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary Plat - Not for recordation, conveyances, or sales
<input type="checkbox"/>	Final Drawing - Not released for construction
<input type="checkbox"/>	Final Drawing - For Review Purposes Only
<input type="checkbox"/>	Final Drawing - Released For Construction

WithersRavenel · Engineers · Planners · Surveyors



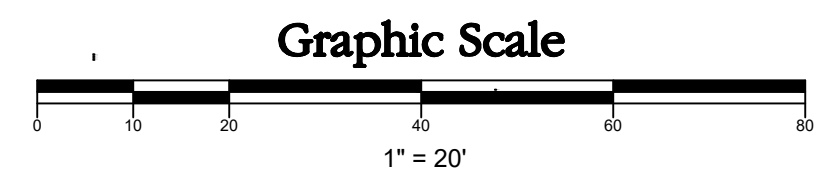
208 E. 5th Street Lumberton, NC 28358 Phone: 910-738-9376 Fax: 910-738-9378 Email: KNAengineering@att.net Lic. No.- F-1479



N/F
 COUNTY OF ROBESON
 C/O FINANCE
 PARCEL REF. No. 02090100501
 PIN: 938035514300
 D.B. 687 PG. 865

N/F
 CEBSR PROPERTIES LLC
 PARCEL REF. No. 020901006
 PIN: 938074620300
 D.B. 1406 PG. 846

Site Plan
 1" = 20'



Legend

- - - - -	EXISTING CONTOUR
— — — — —	PROPOSED CONTOUR

X	Preliminary - Do not use for construction
- - - - -	Progress Drawings - Do not use for construction
- - - - -	Preliminary Plat - Not for recordation, conveyances, or sales
- - - - -	Final Drawing - Not released for construction
- - - - -	Final Drawing - For Review Purposes Only
- - - - -	Final Drawing - Released For Construction



camiroboLegend Road TankSite Plan

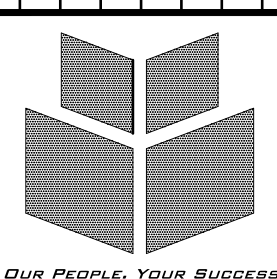
DESIGNED BY: SRN
 DRAWN BY: CBB
 CHECKED BY: SRN
 DATE: JAN. 2023
 SCALE: 1"=20'
 FIELD BOOK: GPS
 FILE NO.: SITE Plan
 PROJECT NO.: -

WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS
 208 EAST 5th STREET • LUMBERTON, N.C. 28358 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • EMAIL: KNAAengineering@att.net

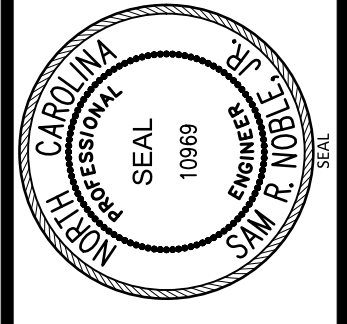
ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK - SITE PLAN

SHEET NO.
1
 OF 4

DESIGNED BY: SRN
 DRAWN BY: CBB
 CHECKED BY: SRN
 DATE: JAN. 2023
 SCALE: 1"=40'H, 1"=4' V
 FIELD CODE: EPS
 FILE NO.: 12 Water Main
 PROJECT NO.:



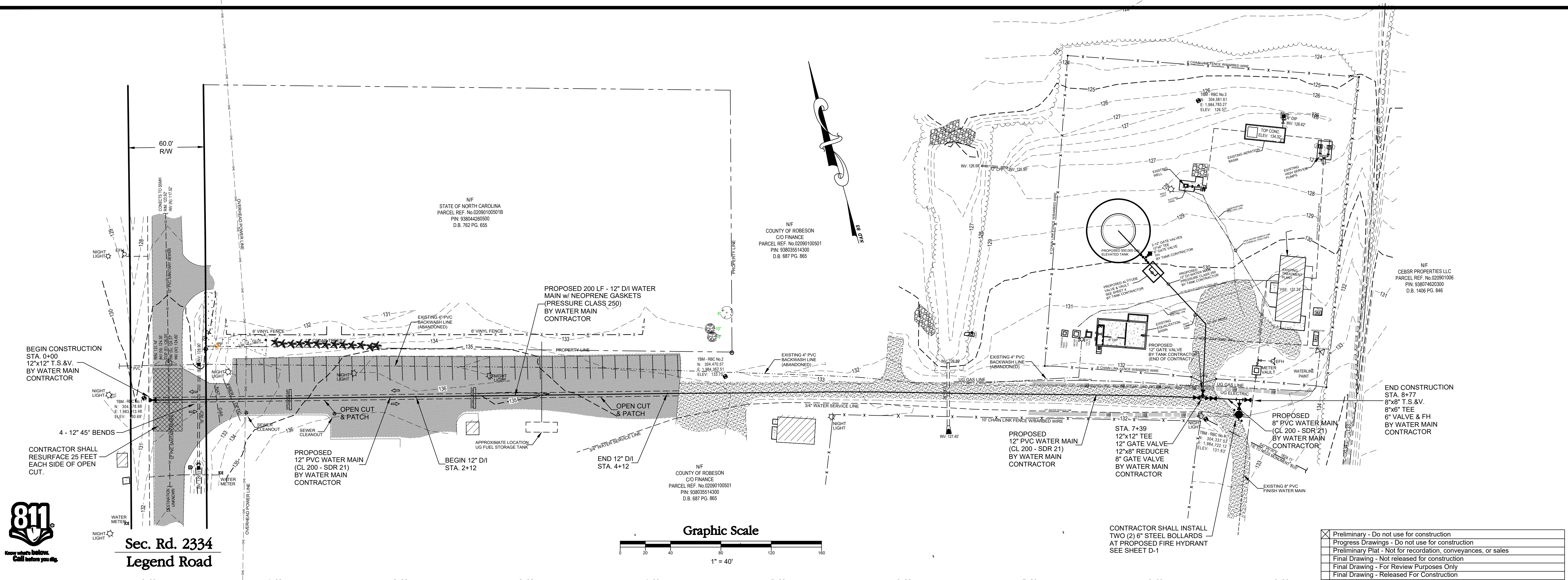
OUR PEOPLE. YOUR SUCCESS.



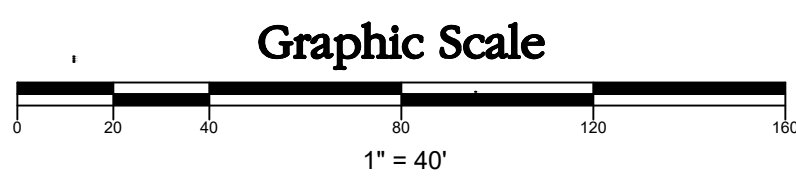
WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS
 208 EAST 5th STREET • LUMBERTON, N.C. 28358 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • E-MAIL: KNEngineering@att.net

ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK SITE - PROPOSED WATER MAIN

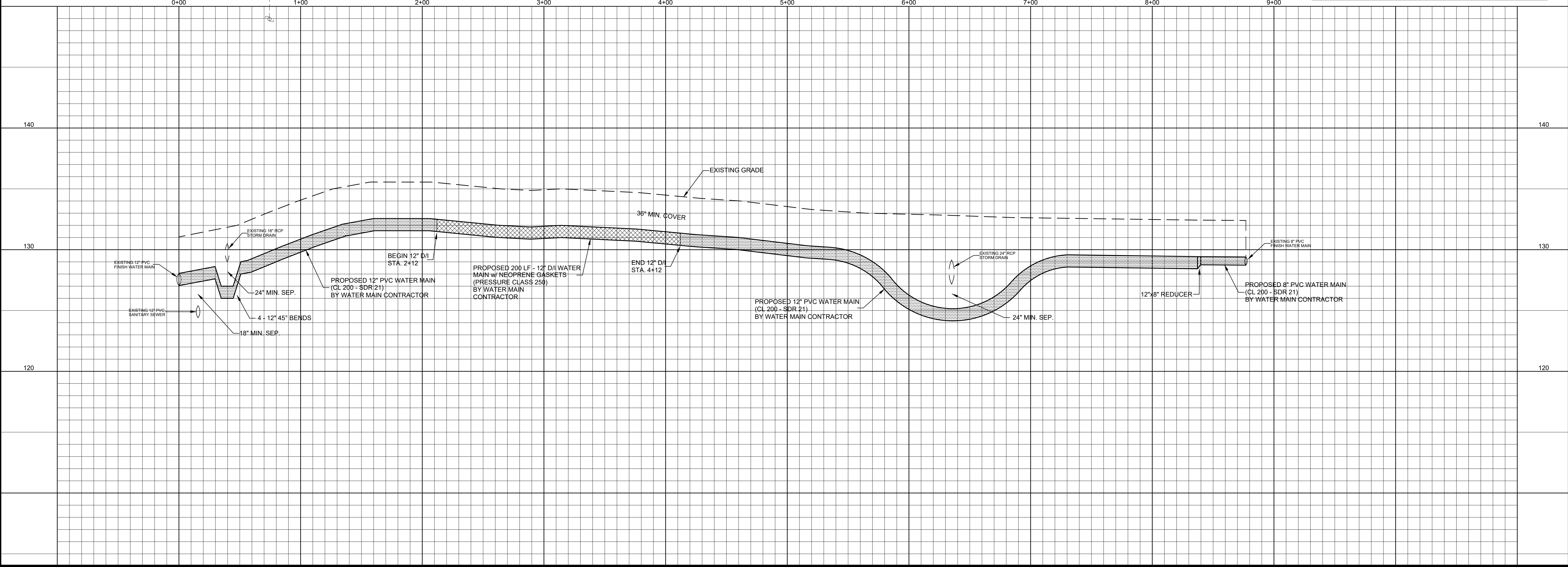
SHEET NO. **2**
 OF 4



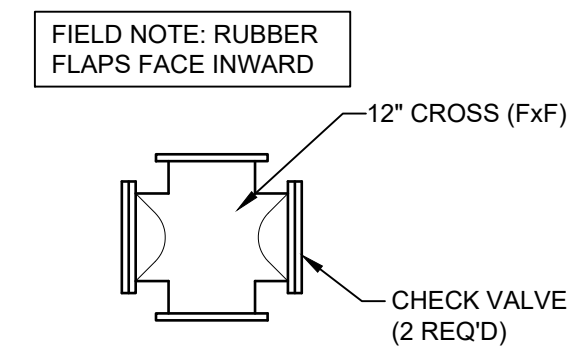
**Sec. Rd. 2334
Legend Road**



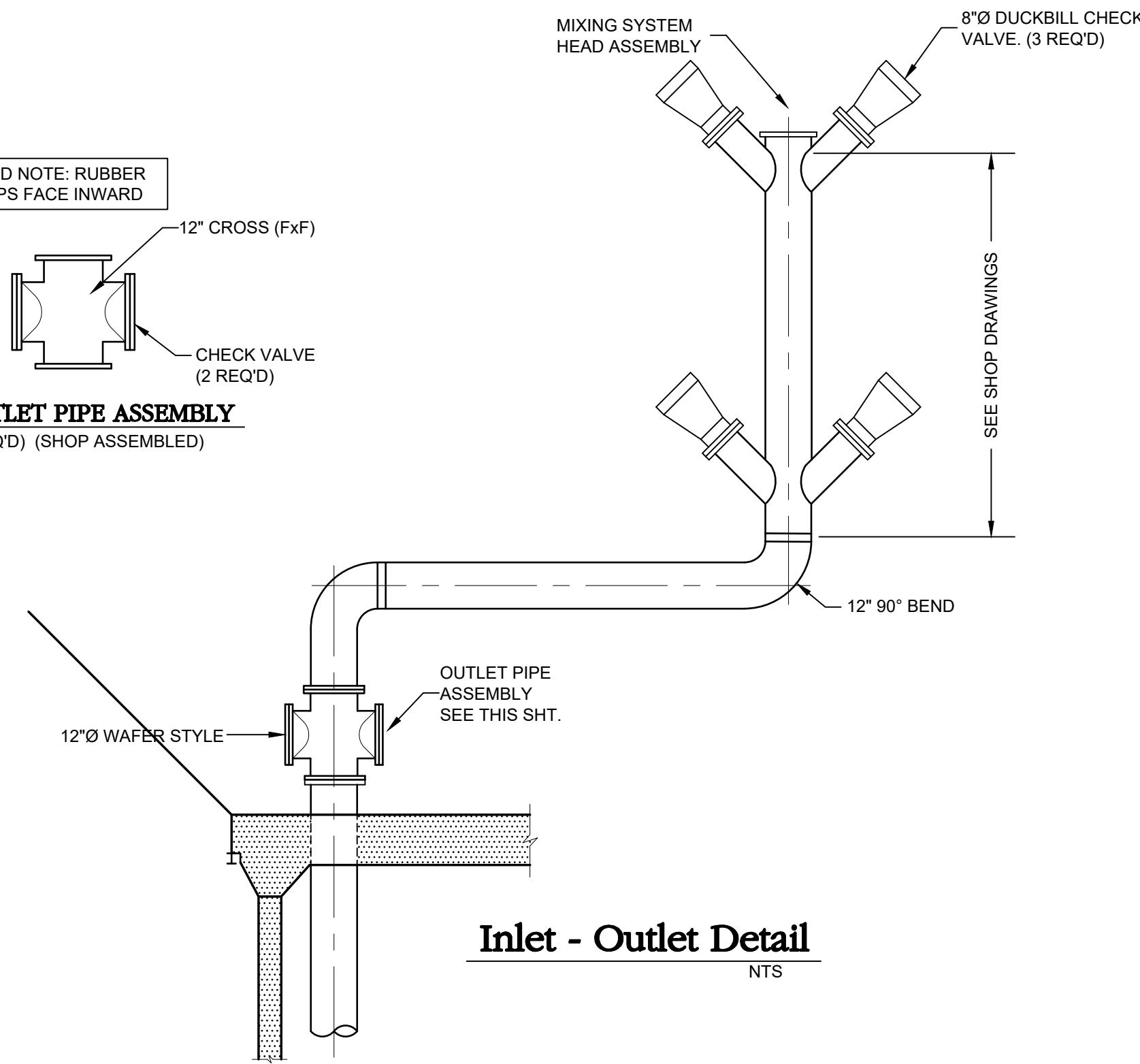
⊗	Preliminary - Do not use for construction
⊘	Progress Drawings - Do not use for construction
⊙	Preliminary Plat - Not for recordation, conveyances, or sales
⊚	Final Drawing - Not released for construction
⊛	Final Drawing - For Review Purposes Only
⊜	Final Drawing - Released For Construction



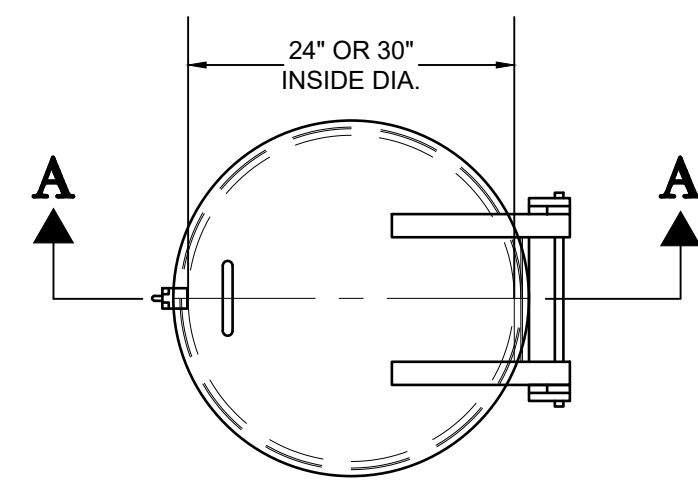
camiroboLegend Road Tank12 Water Main



OUTLET PIPE ASSEMBLY
(1 REQ'D) (SHOP ASSEMBLED)

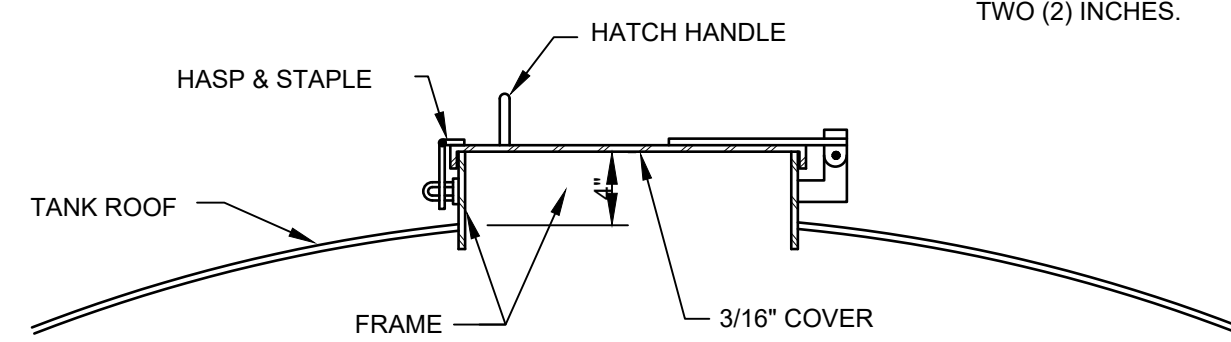


Inlet - Outlet Detail
NTS



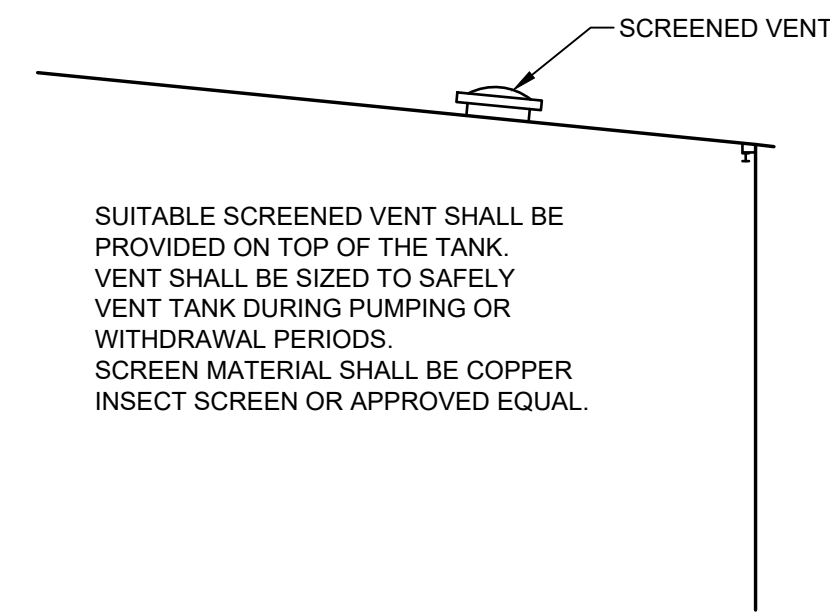
PLAN

NOTE: ROOF HATCH SHALL MEET ALL APPLICABLE REQUIREMENTS OF 15A-NCAC-18C.0405(a)(2). THE COVER SHALL EXTEND DOWN AROUND THE FRAME AT LEAST TWO (2) INCHES.



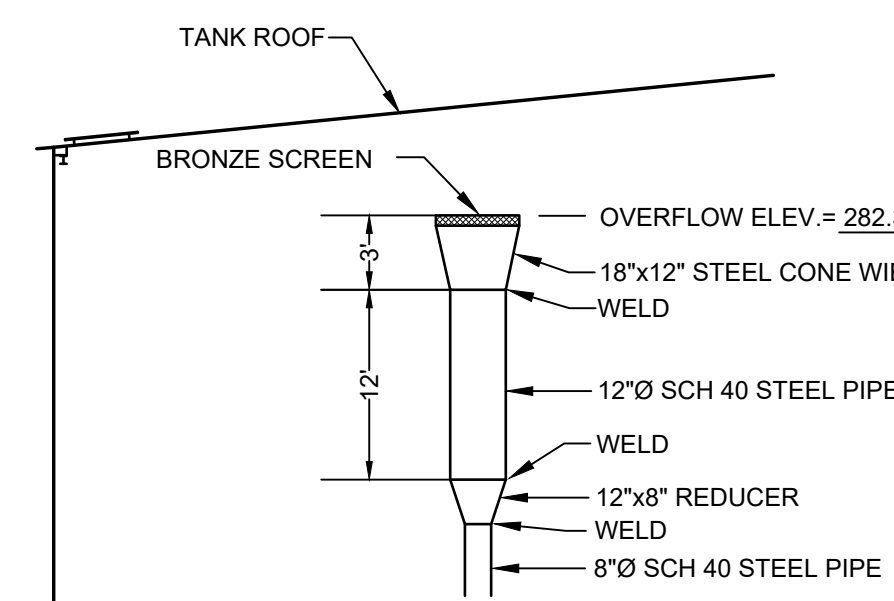
Section A-A

24"Ø or 30"Ø Roof Hatch
NTS

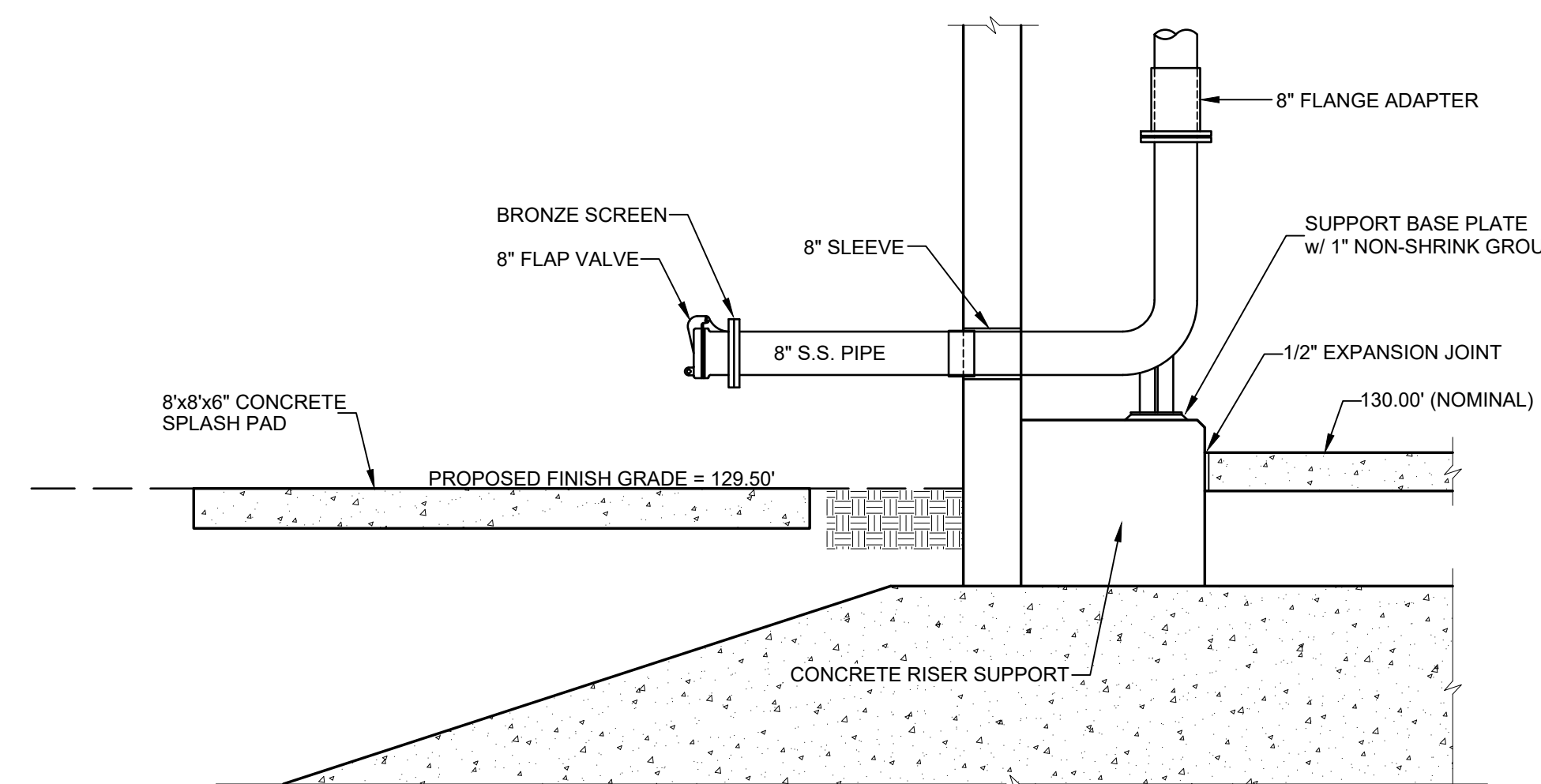


Screened Vent Detail
NTS

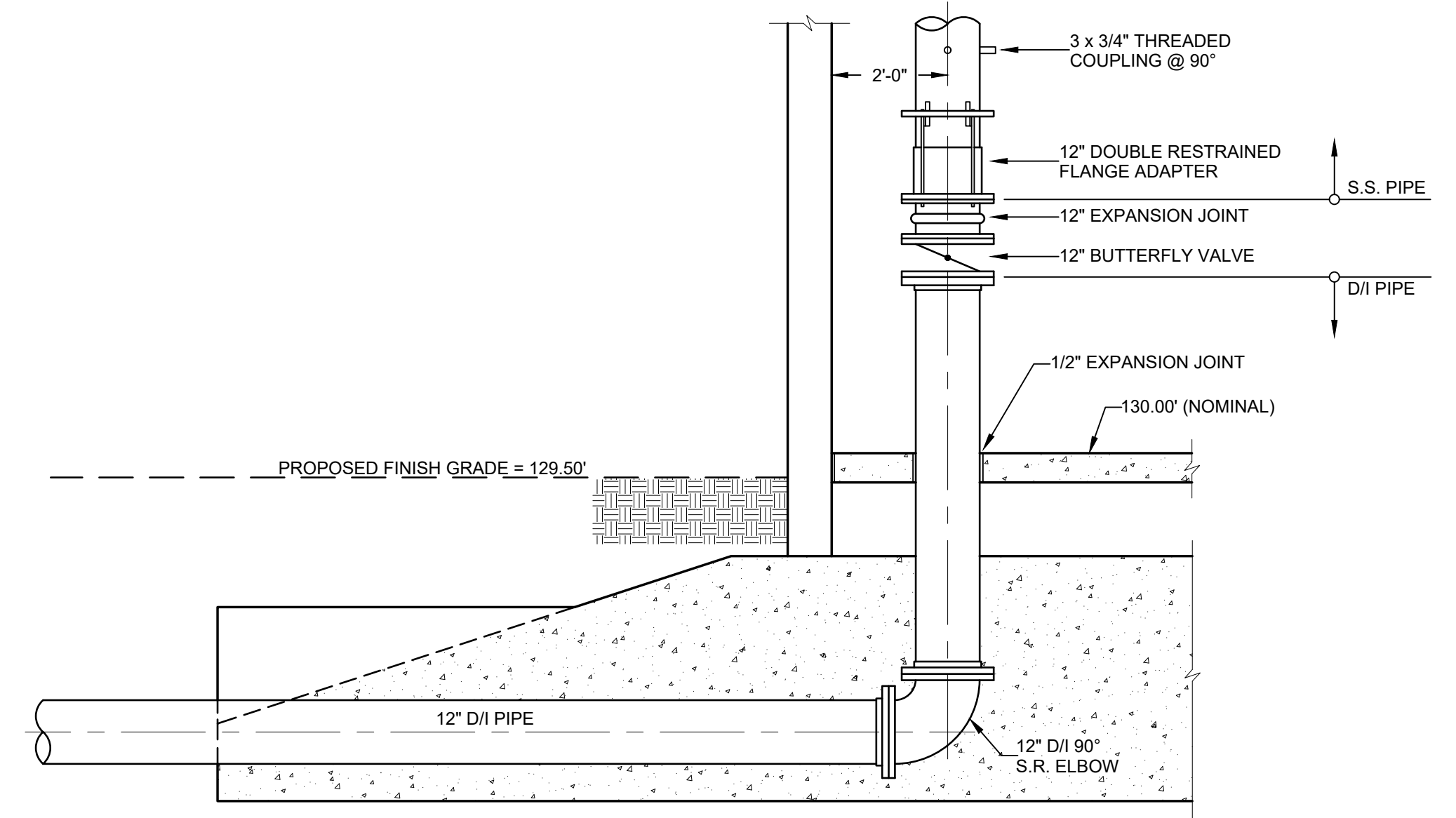
SUITABLE SCREENED VENT SHALL BE PROVIDED ON TOP OF THE TANK. VENT SHALL BE SIZED TO SAFELY VENT TANK DURING PUMPING OR WITHDRAWAL PERIODS. SCREEN MATERIAL SHALL BE COPPER INSECT SCREEN OR APPROVED EQUAL.



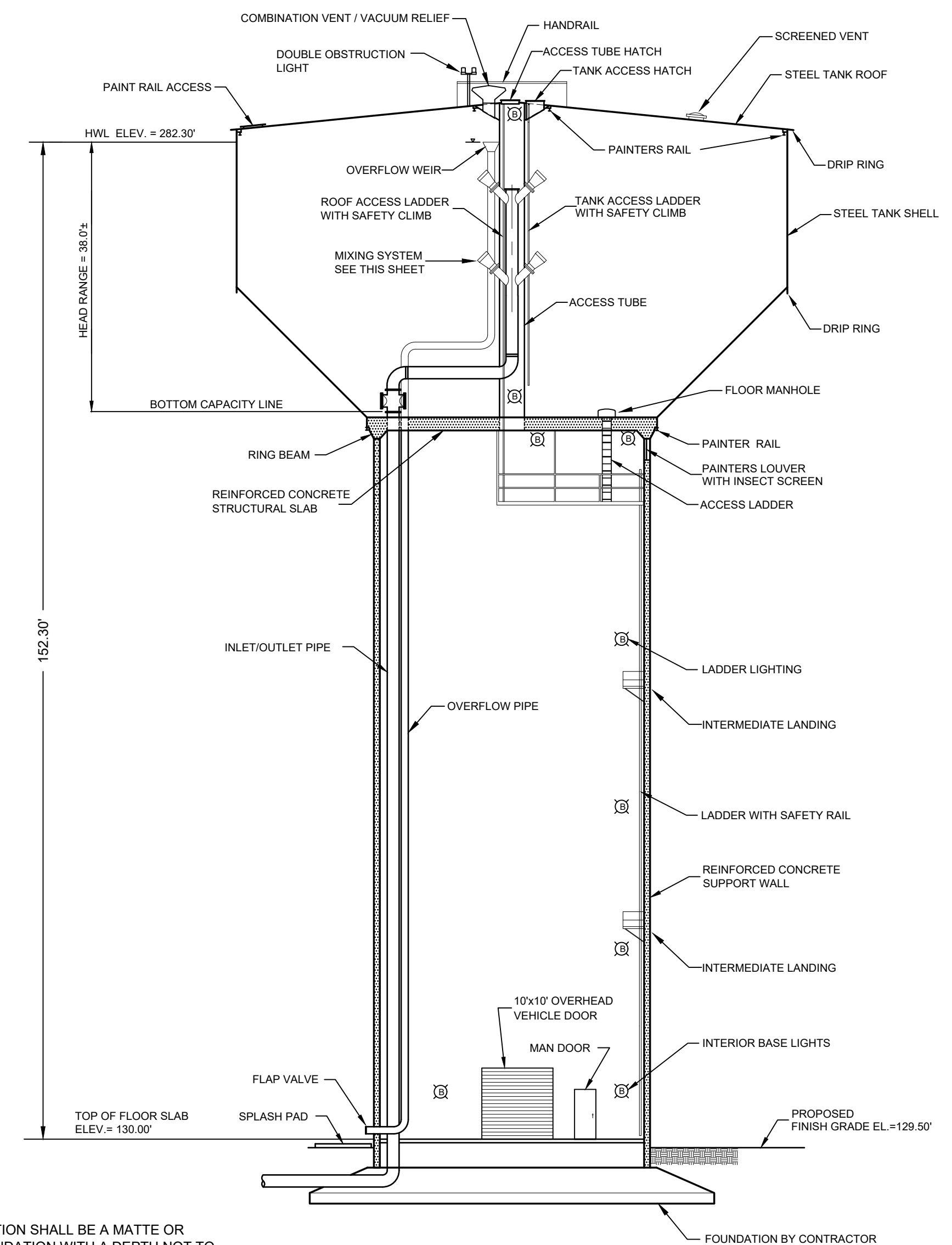
Overflow Inlet
NTS



8" Overflow Outlet
NTS



12" Inlet/Outlet Detail
NTS



Composite Tank Elevation
NTS

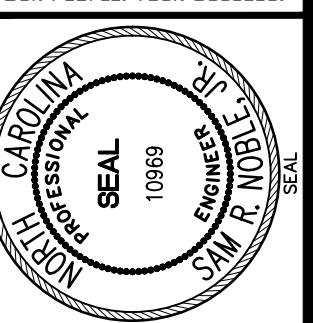
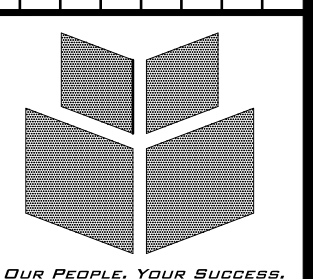
NOTE: FOUNDATION SHALL BE A MATTE OR RINGWALL FOUNDATION WITH A DEPTH NOT TO EXCEED 10 FEET BELOW FINISHED GRADE OR PILING SHALL BE INSTALLED TO A DEPTH OF NOT MORE THAN 65 FEET.

- NOTES:
1. TANK CONTRACTOR TO MOUNT DOUBLE OBSTRUCTION LIGHTS ON TOP OF TANK. SEE SPECIFICATIONS FOR DETAILS.
 2. TANK CONTRACTOR SHALL INSTALL CONDUIT, LIGHTS & ELECTRICAL SERVICE PER SPECIFICATIONS & SPECIAL PROVISIONS.
 3. ALL CHLORINATED WATER USED FOR ELEVATED TANK DISINFECTION SHALL BE DISCHARGED TO WASTE, AS DIRECTED BY THE ENGINEER, PRIOR TO REFILLING THE ELEVATED TANK FOR BACTERIOLOGICAL TESTING.
 4. LADDERS SHALL BE PROVIDED AS REQUIRED BY SPECIFICATIONS.

<input type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary Plat - Not for recordation, conveyances, or sales
<input type="checkbox"/>	Final Drawing - Not released for construction
<input type="checkbox"/>	Final Drawing - For Review Purposes Only
<input type="checkbox"/>	Final Drawing - Released For Construction

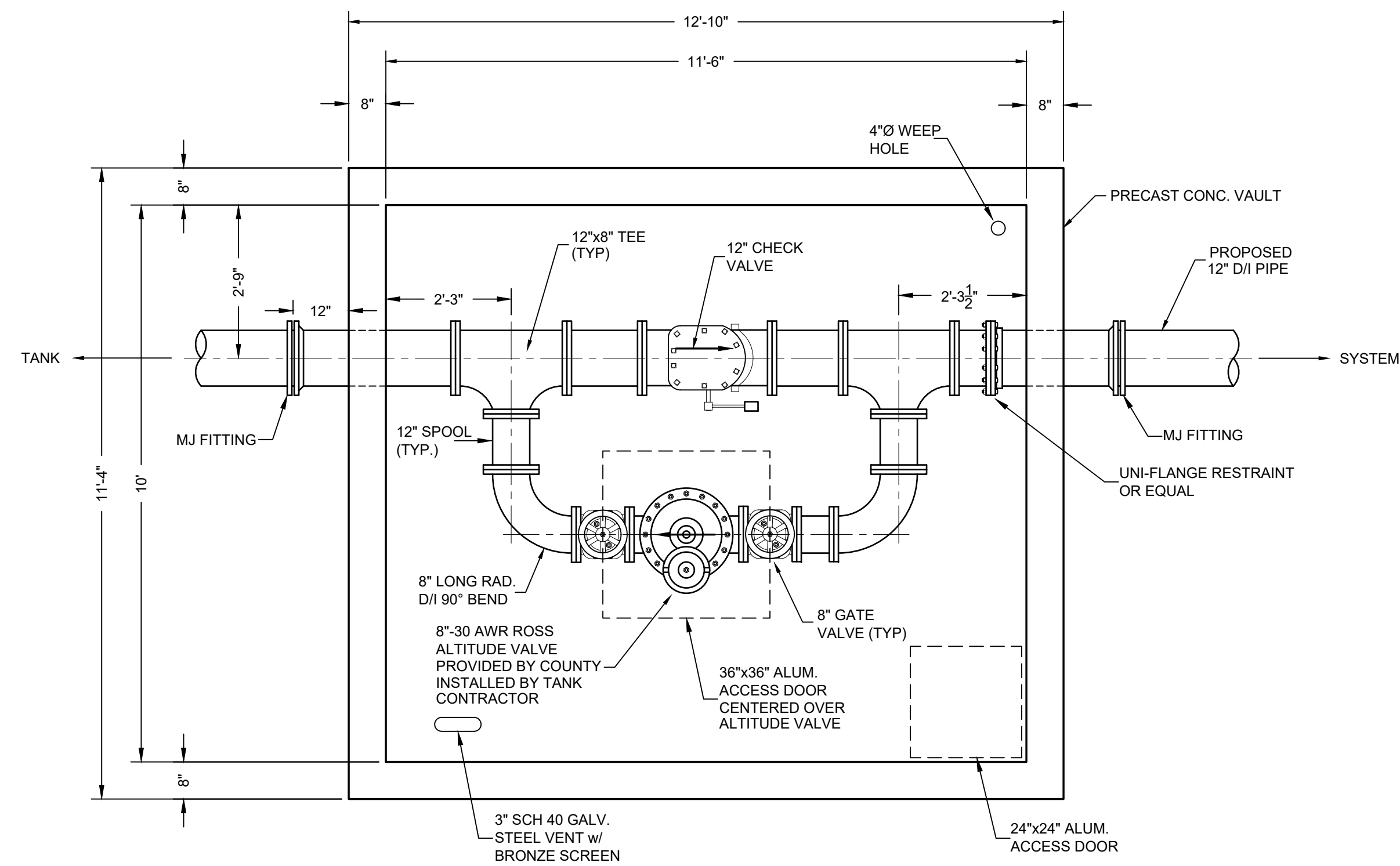
REVISIONS

DESIGNED BY: SRN
DRAWN BY: GIB
CHECKED BY: SRN
DATE: JAN. 2023
SCALE: NONE
FILE BOOK: --
FILE NO.: Tank Details
PROJECT NO.: --

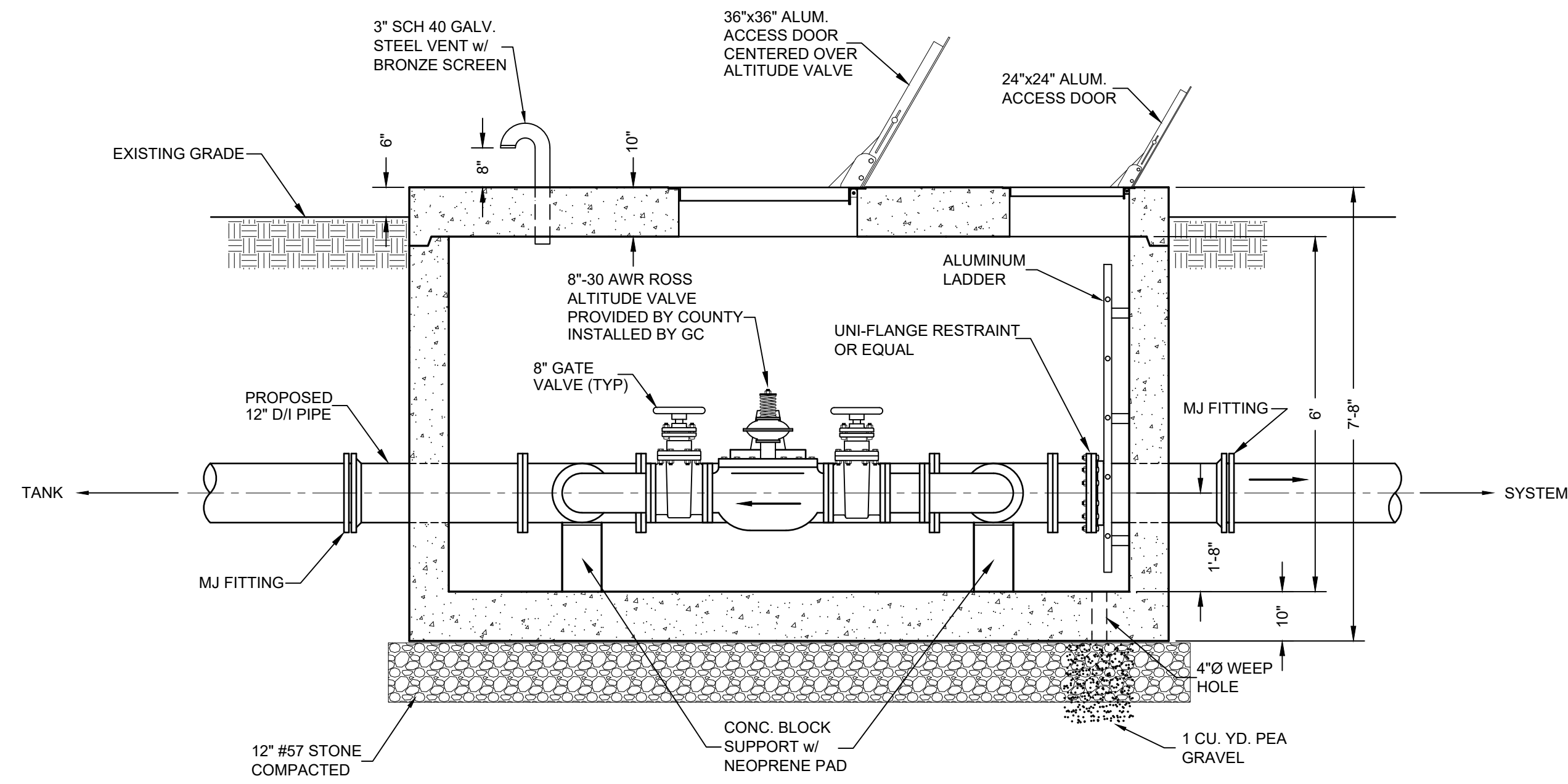


WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS
208 EAST 5th STREET • LUMBERTON, N.C. 28358 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • EMAIL: KNEngineering@att.net

ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK - TANK ELEVATION AND DETAILS



Plan View
1/2" = 1'-0"



Profile View
1/2" = 1'-0"

<input checked="" type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary Plat - Not for recordation, conveyances, or sales
<input type="checkbox"/>	Final Drawing - Not released for construction
<input type="checkbox"/>	Final Drawing - For Review Purposes Only
<input type="checkbox"/>	Final Drawing - Released For Construction

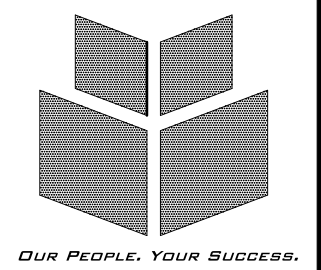
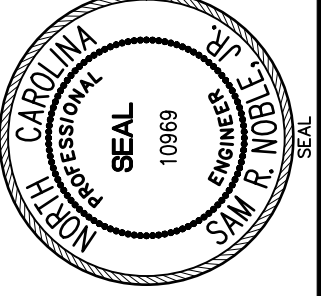
WITHERS RAVENEL • ENGINEERS • PLANNERS • SURVEYORS
 208 EAST 5th STREET • LUMBERTON, N.C. 28358 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • EMAIL: KNEngineering@atl.net

ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK - ALTITUDE VALVE AND VAULT

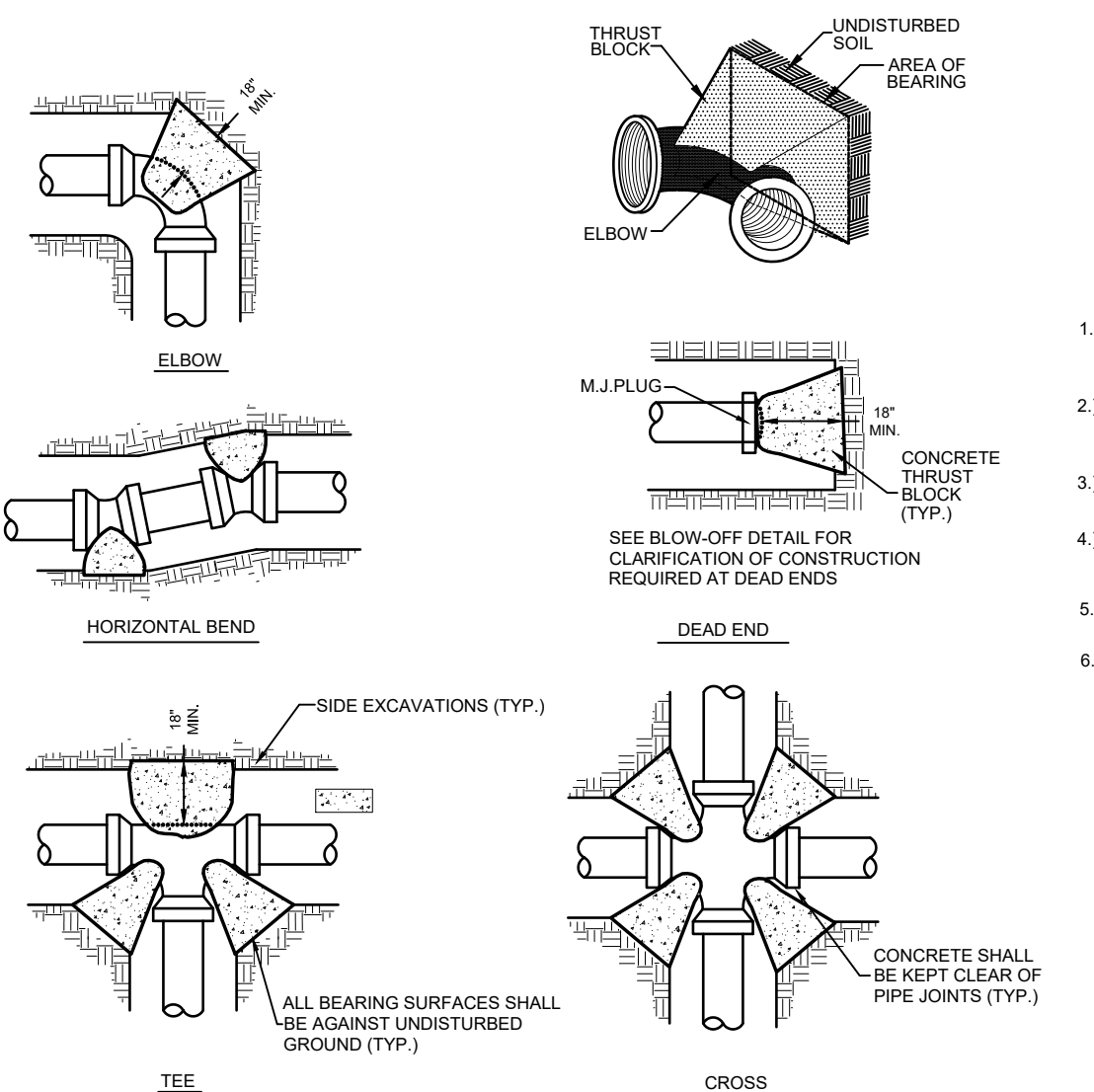
SHEET NO.

4

OF 4



DESIGNED BY: SRN
DRAWN BY: CBB
CHECKED BY: SRN
DATE: JAN. 2023
SCALE: 1/2" = 1'-0"
FIELD BOOK: -
FILE NO.: ALTITUDE Valve
PROJECT NO.: -

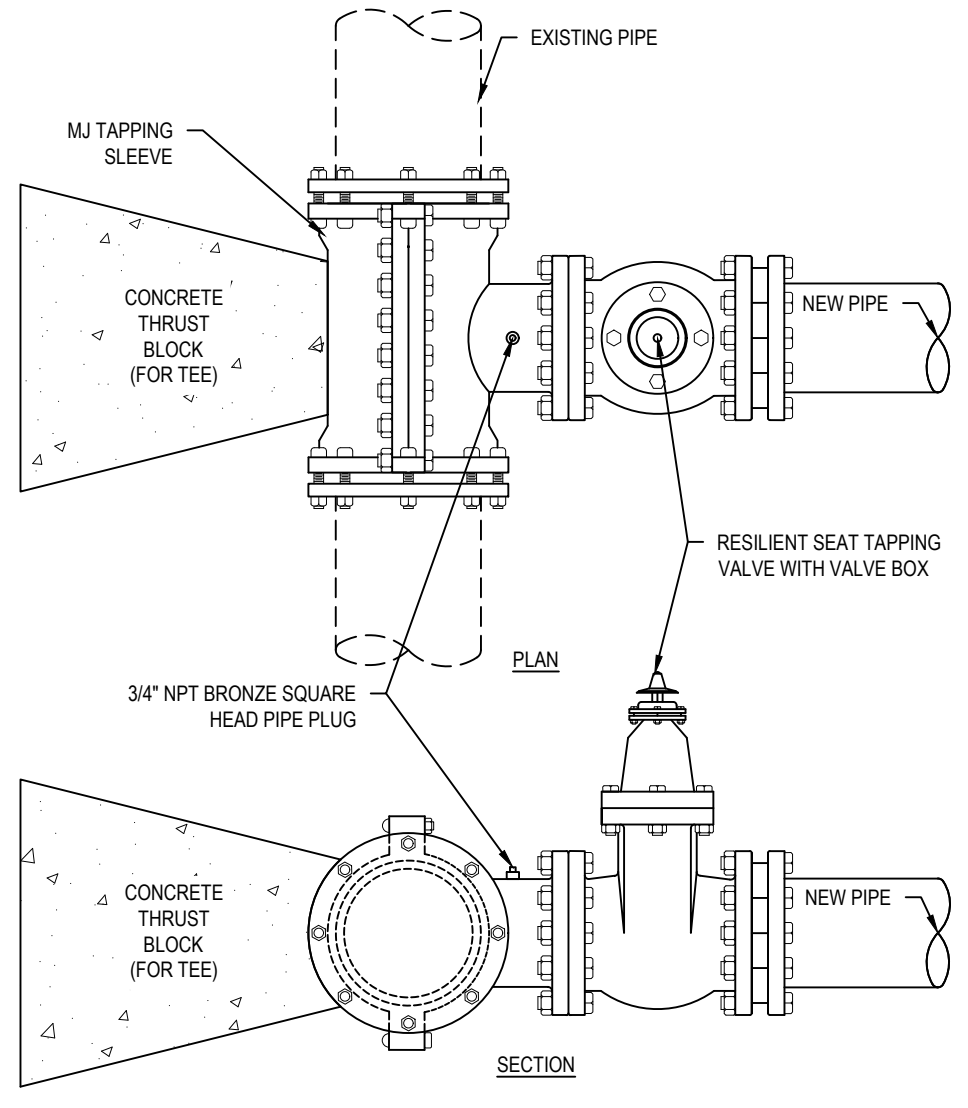


- NOTES:**
- THRUST BLOCKS SHALL BE INSTALLED ON PVC WATER DISTRIBUTION LINES 6" THRU 12" DIA. IN THE MANNER SHOWN.
 - PIPE GREATER THAN 12 INCH DIAMETER SHALL REQUIRE RESTRAINT JOINT PIPE FOR THE PROPER LENGTH.
 - SAC-CRETE SHALL NOT BE ALLOWED.
 - NO CONCRETE SHALL BE PLACED ON BOLTS. WRAP JOINT FITTINGS WITH PLASTIC.
 - CONCRETE SHALL BE A MINIMUM 3,000 PSI.
 - ALL BEARING SURFACES SHALL BE AGAINST UNDISTURBED SOIL.

CONCRETE THRUST BLOCK DETAIL

FITTING SIZE (IN.)	THRUST BLOCKING SCHEDULE				
	MINIMUM BLOCKING AREA AND VOLUME IN S.F. AND (C.Y.)	45°	90°	TEE	FLUG
2	11.14'	22.12'	0.23 (0.11)	0.38 (0.11)	0.30 (0.11)
4			0.83 (0.18)	1.35 (0.18)	0.98 (0.18)
6	0.40 (0.01)	0.80 (0.02)	1.73 (0.20)	3.00 (0.33)	2.17 (0.25)
8	0.80 (0.02)	1.50 (0.04)	3.08 (0.34)	5.40 (0.60)	3.83 (0.42)
10	1.20 (0.03)	2.30 (0.07)	4.72 (0.52)	8.40 (0.94)	5.92 (0.66)
12	1.70 (0.05)	3.30 (0.12)	6.82 (0.75)	12.00 (1.33)	8.48 (0.94)
16	3.00 (0.33)	5.90 (0.65)	11.60 (0.86)	21.30 (1.57)	15.00 (0.97)
20	4.60 (0.52)	9.20 (0.76)	18.00 (1.32)	33.30 (3.60)	23.30 (1.87)
24	6.70 (0.75)	13.20 (0.97)	26.00 (2.28)	48.00 (5.29)	33.60 (3.24)
30	10.40 (0.77)	20.70 (1.80)	40.60 (4.45)	75.00 (10.30)	52.50 (8.32)
36	15.00 (1.26)	29.80 (3.11)	58.40 (7.67)	108.0 (17.90)	75.60 (10.80)

NOTE: Values given are based on 150 psi water pressure and 2000 blif soil bearing capacity. Soils with less bearing capacity such as muck, peat or soft clay will require greater blocking areas and volumes. The thrust blocking shown above is based on the use of mechanical joint as shown on plans.



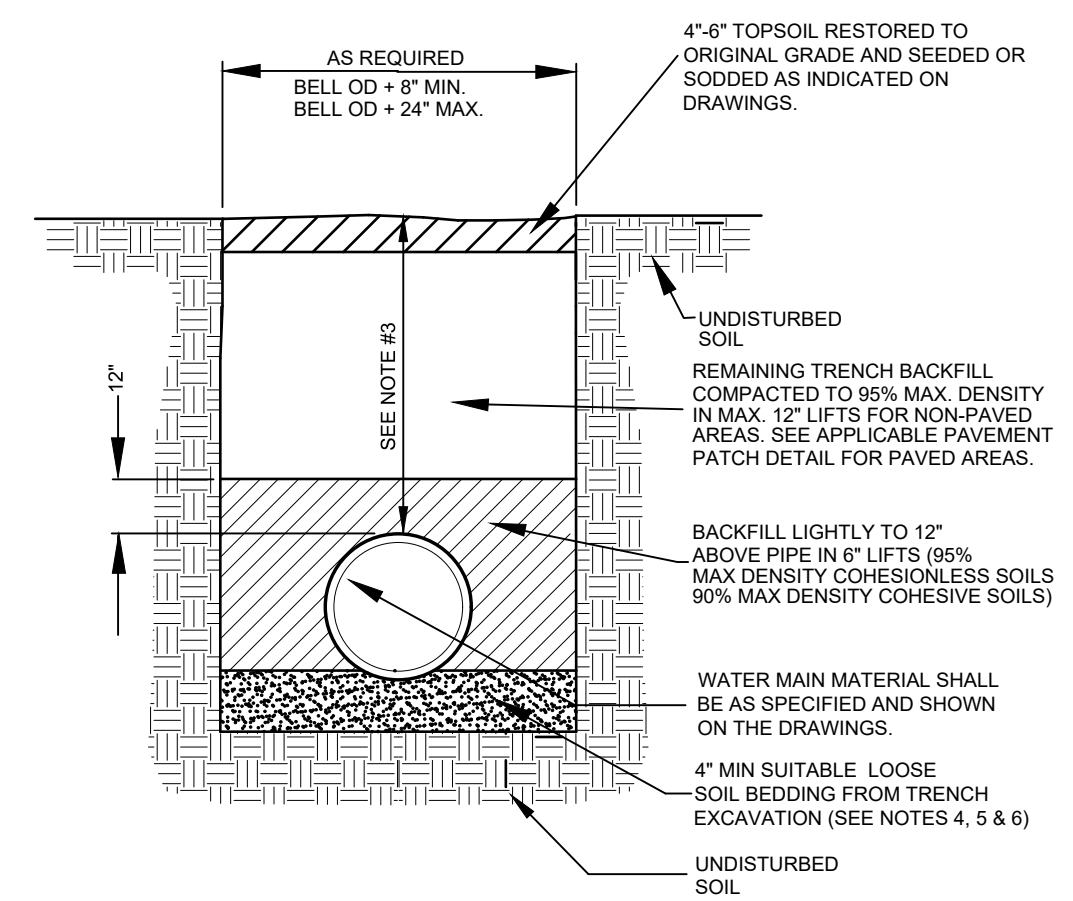
- NOTES:**
- SLEEVE BODY SHALL BE DUCTILE IRON ASTM A536.
 - THE MATING FLANGE TO THE TAPPING SLEEVE MUST HAVE A RAISED MATE FACE TO PROVIDE FOR PROPER ALIGNMENT OF THE VALVE & TAPPING SLEEVE.
 - THE SLEEVE SHALL INCLUDE A FULL CIRCUMFERENTIAL GASKET PROVIDING A 360° SEAL AROUND EXISTING PIPE.
 - ALL VALVES SHALL HAVE 2" SQUARE OPERATING NUT & SHALL OPEN COUNTERCLOCKWISE.
 - VALVE BODY, BONNET, & GATE SHALL BE IN ACCORDANCE WITH AWWA C515 AND NSF 61.
 - VALVE BODY & BONNET SHALL BE COATED ON ALL INTERIOR & EXTERIOR SURFACES WITH A FUSION BONDED EPOXY IN ACCORDANCE WITH AWWA C550.
 - ALL VALVES 24" & SMALLER SHALL HAVE A SAFE WORKING PRESSURE OF 250 PSI.
 - PIPE SURFACES SHALL BE CLEANED THOROUGHLY TO PERMIT FOR A GOOD SEAL PRIOR TO INSTALLATION.
 - EXTERIOR OF TAPPING SLEEVE SHALL BE COATED WITH 2 COATS OF ASPHALTIC VARNISH MIL-C450.
 - EDGE OF SLEEVE SHALL BE LOCATED A MINIMUM OF 5' FROM THE NEAREST JOINT.

Tapping Sleeve & Valve

NTS

GENERAL NOTES:

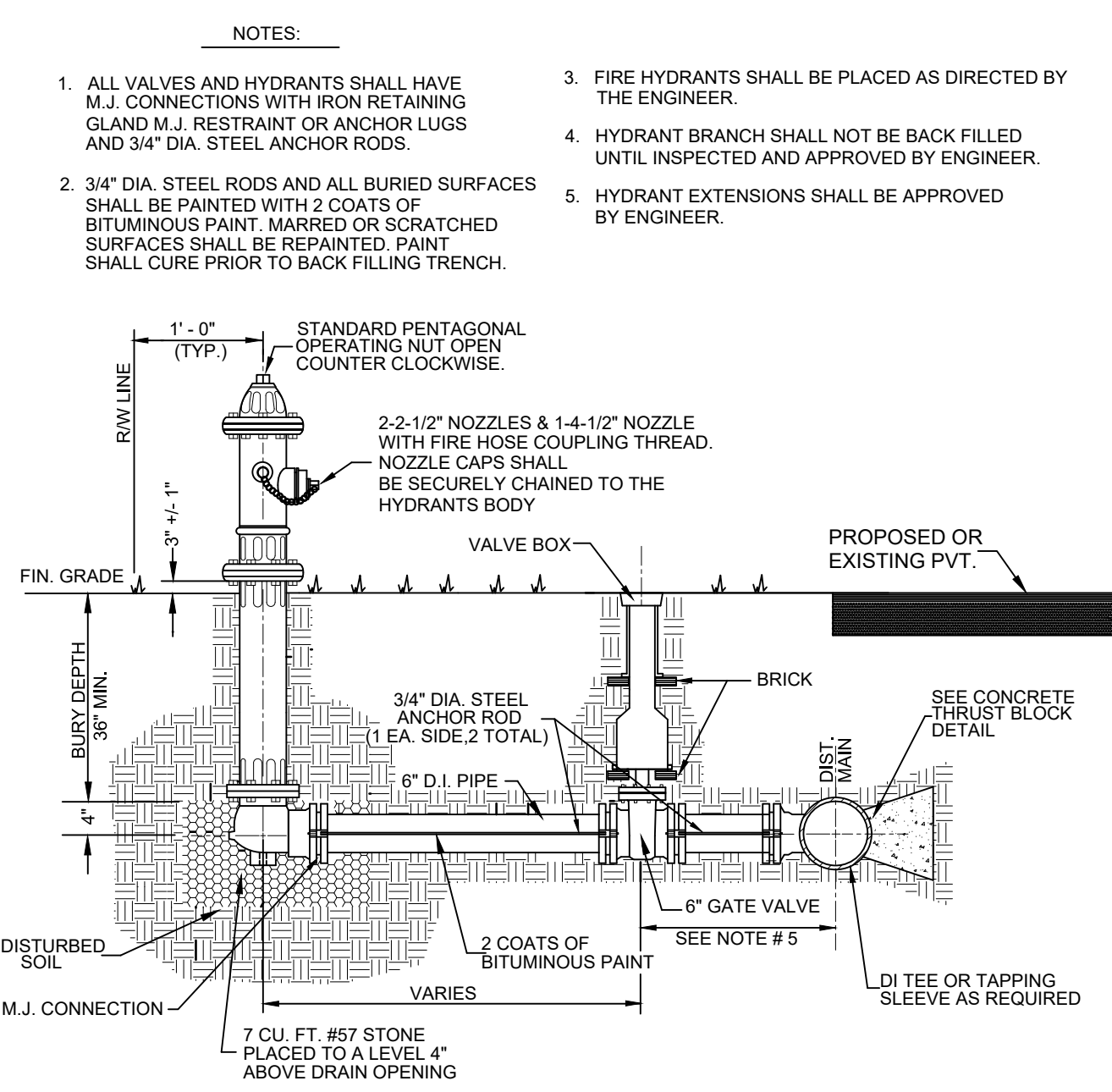
- THE CONTRACTOR SHALL HAVE A COMPLETE SET OF CONTRACT DOCUMENTS AS WELL AS ALL PERMIT APPROVALS AND EASEMENTS ON THE JOB SITE AT ALL TIMES.
- ALL SHOP DRAWINGS MUST BE REVIEWED AND APPROVED BY ENGINEER BEFORE EQUIPMENT IS ORDERED.
- CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL UNDERGROUND UTILITIES. KNOWN EXISTING UTILITIES HAVE BEEN LOCATED FROM THE INFORMATION AVAILABLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCURATELY LOCATE BOTH HORIZONTALLY AND VERTICALLY ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE NC ONE CALL CENTER AT 800.632.4949. ALL COSTS ASSOCIATED WITH ANY DAMAGE TO KNOWN OR UNKNOWN EXISTING UTILITIES RESULTING FROM THE CONTRACTOR'S FAILURE TO ADEQUATELY PROTECT THE EXISTING UTILITIES DURING CONSTRUCTION SHALL BE BORNE SOLELY BY THE CONTRACTOR.
- CONTRACTOR SHALL MAKE EVERY EFFORT TO SAVE PROPERTY IRONS, MONUMENTS, OTHER PERMANENT POINTS AND LINES OF REFERENCE AND CONSTRUCTION STAKES. A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE SHALL REPLACE PROPERTY IRONS, MONUMENTS, AND OTHER PERMANENT POINTS OF REFERENCE DESTROYED BY THE CONTRACTOR.
- CONTRACTOR SHALL CLEAR AND GRUB ALL UTILITY EASEMENTS, AS DIRECTED BY THE OWNER, TO INSTALL NEW UTILITIES. ON ROADWAY RIGHT-OF-WAYS, THE CONTRACTOR SHALL ONLY REMOVE THE TREES MARKED ON THE PLANS AND SHALL MAKE EVERY EFFORT DURING CONSTRUCTION TO PROTECT THE TREES THAT WILL NOT BE REMOVED.
- THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN ALL NECESSARY EROSION CONTROL MEASURES WHETHER OR NOT SHOWN ON THE PLANS TO PROTECT ADJACENT CREEKS, RIVERS, ROADWAYS, ETC. FROM SILTATION AND EROSION.
- THE CONTRACTOR SHALL SUPPORT ALL UTILITY POLES AS NECESSARY. THE CONTRACTOR SHALL COORDINATE UTILITY POLE SUPPORT WITH THE APPROPRIATE UTILITY COMPANIES.
- CONTRACTOR SHALL RESTORE/REPLACE ALL SIGNS, MAILBOXES, ETC. ENCOUNTERED DURING CONSTRUCTION TO ORIGINAL CONDITION.
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO THE EXISTING GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- ALL DRIVEWAYS SHALL BE REPAIRED AS SOON AS CONSTRUCTION HAS PASSED. A MINIMUM OF 6" OF C&G SHALL BE USED FOR TEMPORARY REPAIR ON ASPHALT AND CONCRETE DRIVEWAYS UNTIL PERMANENT REPAIR CAN BE COMPLETED AND A MINIMUM OF 6" OF C&G SHALL BE USED AS PERMANENT REPAIR ON GRAVEL DRIVEWAYS.
- CONTRACTOR SHALL REPLACE WITH NEW ALL DRIVEWAY PIPES AND OTHER DRAINAGE PIPES/CULVERTS THAT ARE DISTURBED WHILE INSTALLING THE UTILITIES. ALL PIPE/CULVERTS SHALL MEET THE REQUIREMENTS OF NCDOT.
- ALL ROADWAY DITCHES DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION OR BETTER AND CONFORM TO NCDOT REQUIREMENTS. ALL DITCHES SHALL BE LINED WITH EROSION CONTROL MATTING UNLESS OTHERWISE NOTED.
- ALL EXCAVATED MATERIAL SHALL BE PLACED WITHIN THE LIMITS OF DISTURBANCE DURING UTILITY INSTALLATION. THE CONTRACTOR SHALL PROVIDE THE NECESSARY SEDIMENT AND EROSION CONTROL MEASURES TO CONTROL RUN-OFF. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED OF LEGALLY.
- HORIZONTAL DATUM IS NAD 83.
- VERTICAL DATUM IS NAVD 88.



- NOTES:**
- ALL EXCAVATIONS SHALL COMPLY WITH THE TERMS AND CONDITIONS OF THE CONSTRUCTION STANDARDS FOR EXCAVATIONS IN OSHA SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, CHAPTER XV.11 OF TITLE 29, CFR, PART 1926. THE CONTRACTOR SHALL HAVE A COMPETENT PERSON ON SITE AT ALL TIMES DURING EXCAVATION AND BACKFILLING.
 - CONTRACTOR SHALL USE TRENCH BOX SHORING IN ALL OPEN CUTS IN PAVED AREAS. TRENCH WIDTH SHALL BE MAINTAINED AT THE MINIMUM PRACTICAL WIDTH.
 - SEE PLANS FOR MINIMUM COVER.
 - LOOSE SOIL OR SELECT MATERIAL IS DEFINED AS "NATIVE" SOIL EXCAVATED FROM THE TRENCH, FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH.
 - BEDDING MATERIAL SHALL EXTEND TO UNDISTURBED TRENCH WALLS AND TRENCH BOTTOM. BEDDING MATERIAL WILL NOT BE PAID FOR UNLESS SPECIFICALLY APPROVED BY THE PROJECT REPRESENTATIVE AND ONLY FOR THE AUTHORIZED QUANTITY.
 - WHERE NATIVE SOIL IS DETERMINED TO BE ADEQUATE BY THE ENGINEER, NO EXCAVATION BELOW THE BOTTOM OF PIPE IS REQUIRED.
 - BEDDING MATERIAL SHALL BE PROPERLY RODDED AND COMPACTED AROUND THE PIPE HAUNCHES.
 - TEST FOR DENSITY OF COMPACTION MAY BE MADE AT THE OPTION OF THE ENGINEER AND DEFICIENCIES SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE ENGINEER MAY HAVE COMPACTION TEST PERFORMED AFTER THE BACKFILL IS COMPLETE. CONTRACTOR SHALL BE REQUIRED TO EXCAVATE TO VARIOUS ELEVATIONS FOR DENSITY TESTING EXCAVATION, BACKFILL, AND RECOMPACTION SHALL BE PERFORMED AT NO ADDITIONAL COSTS TO THE OWNER.

WATER MAIN BEDDING DETAIL

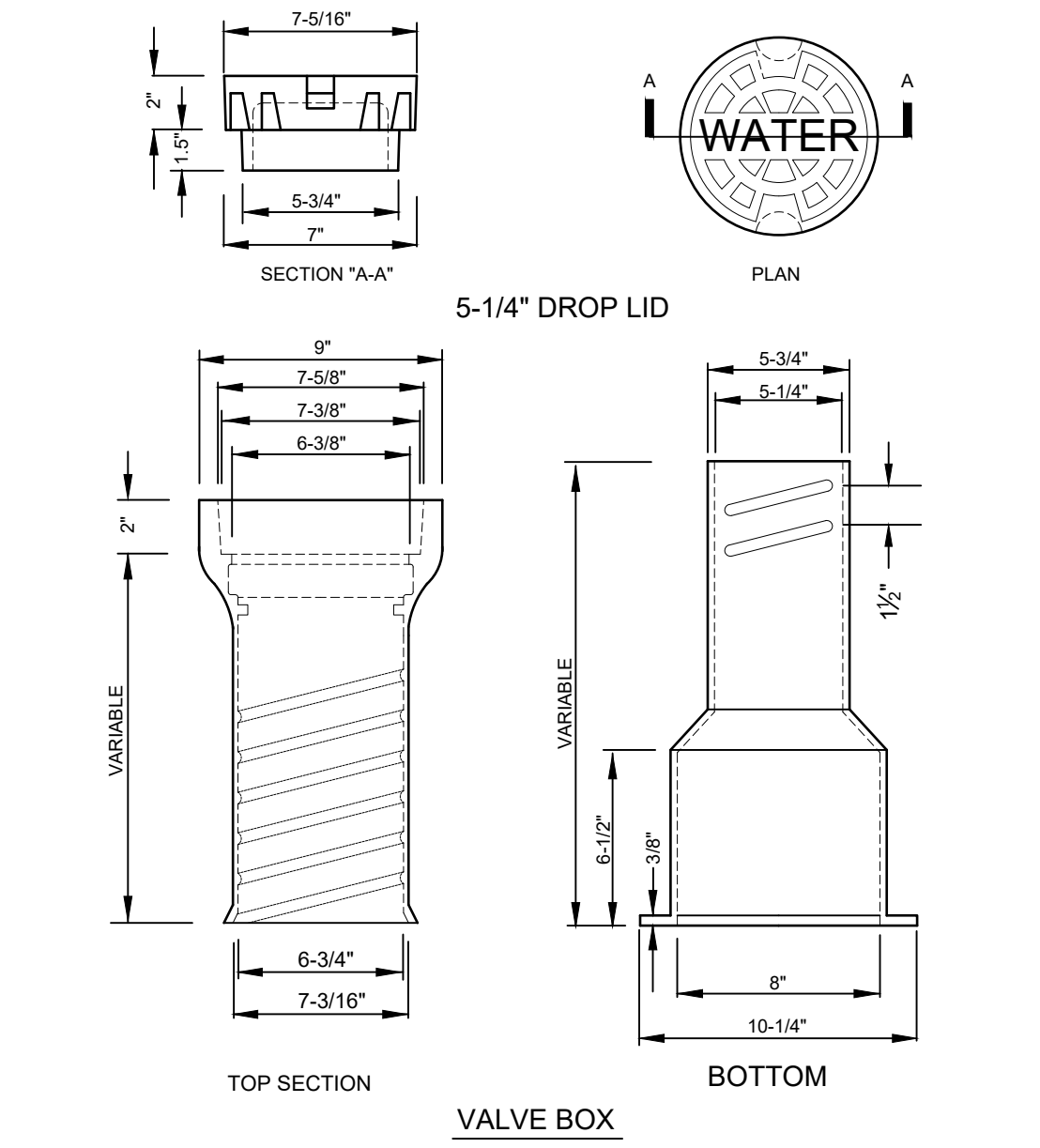
NTS



- NOTES:**
- ALL VALVES AND HYDRANTS SHALL HAVE M.J. CONNECTIONS WITH IRON RETAINING GLAND M.J. RESTRAINT OR ANCHOR LUGS AND 3/4" DIA. STEEL ANCHOR RODS.
 - 3/4" DIA. STEEL RODS AND ALL BURIED SURFACES SHALL BE PAINTED WITH 2 COATS OF BITUMINOUS PAINT. MARRED OR SCRATCHED SURFACES SHALL BE REPAINTED. PAINT SHALL CURE PRIOR TO BACK-FILLING TRENCH.
 - FIRE HYDRANTS SHALL BE PLACED AS DIRECTED BY THE ENGINEER.
 - HYDRANT BRANCH SHALL NOT BE BACK FILLED UNTIL INSPECTED AND APPROVED BY ENGINEER.
 - HYDRANT EXTENSIONS SHALL BE APPROVED BY ENGINEER.

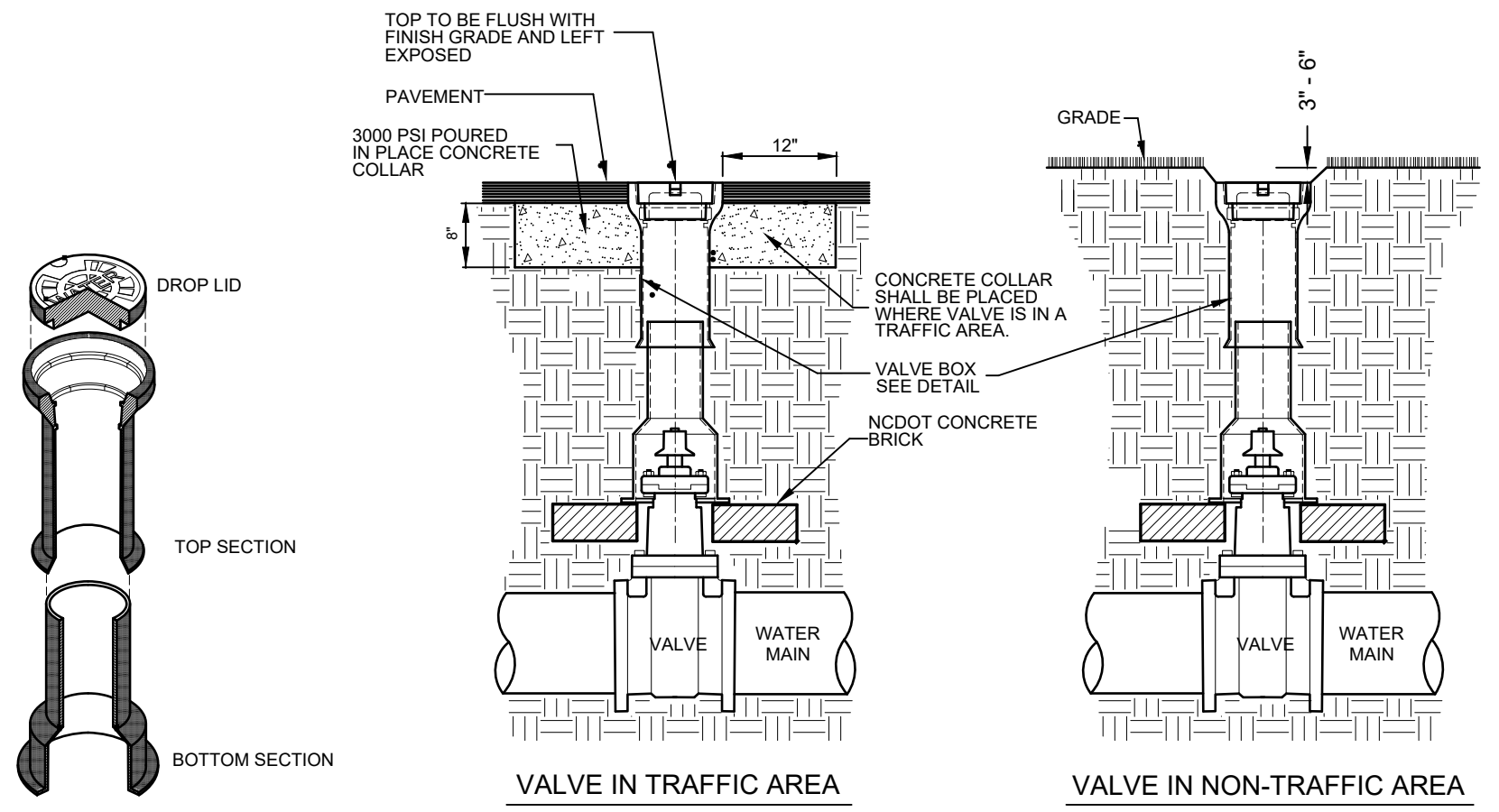
HYDRANT DETAIL

NTS



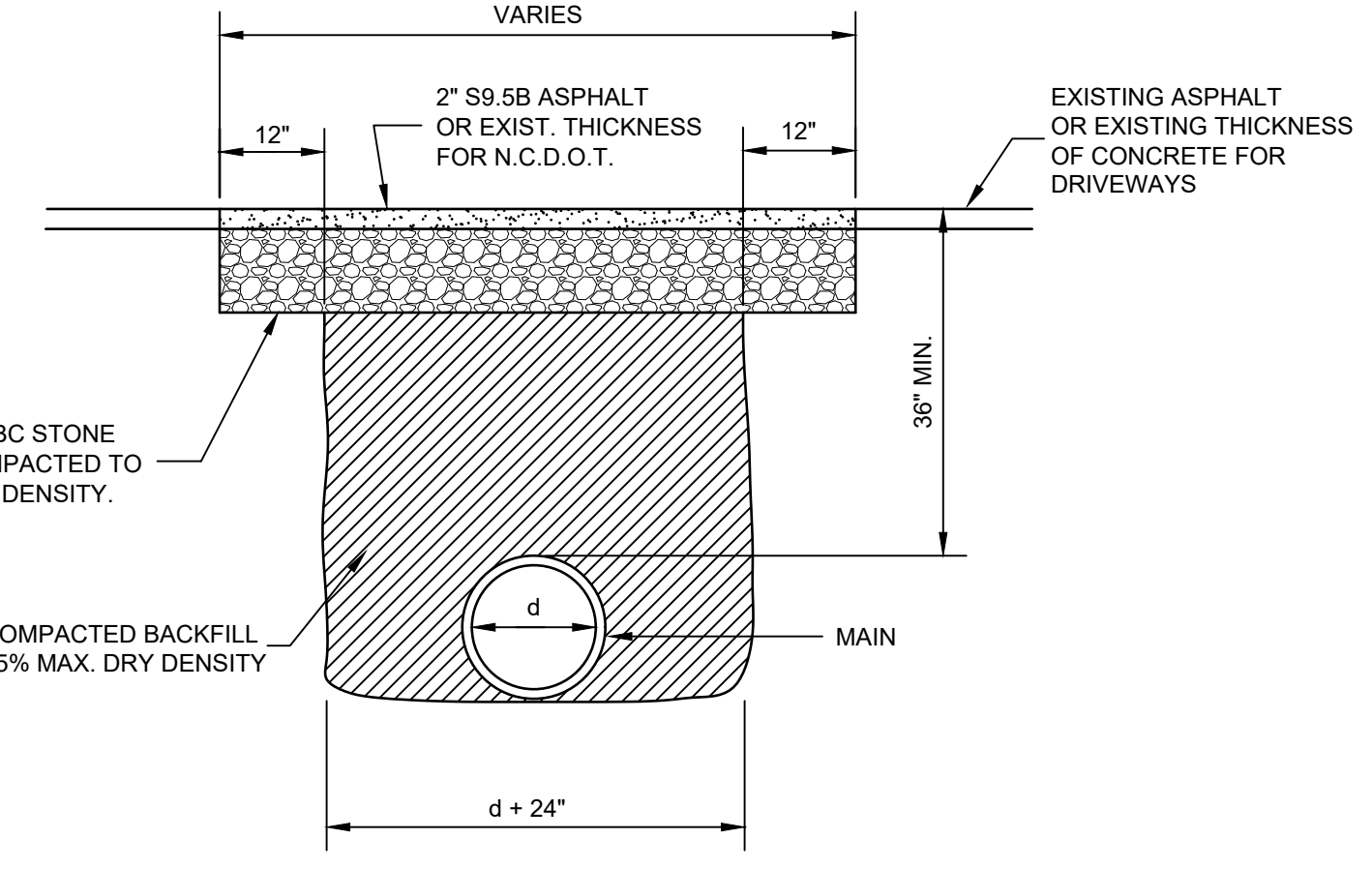
Valve Box Detail

NTS



Open Cut & Patch Detail

NTS



Bollard Detail

NTS

☒ Preliminary - Do not use for construction
☒ Progress Drawings - Do not use for construction
☒ Preliminary Plat - Not for recordation, conveyances, or sales
☒ Final Drawing - Not released for construction
☒ Final Drawing - For Review Purposes Only
☒ Final Drawing - Released For Construction

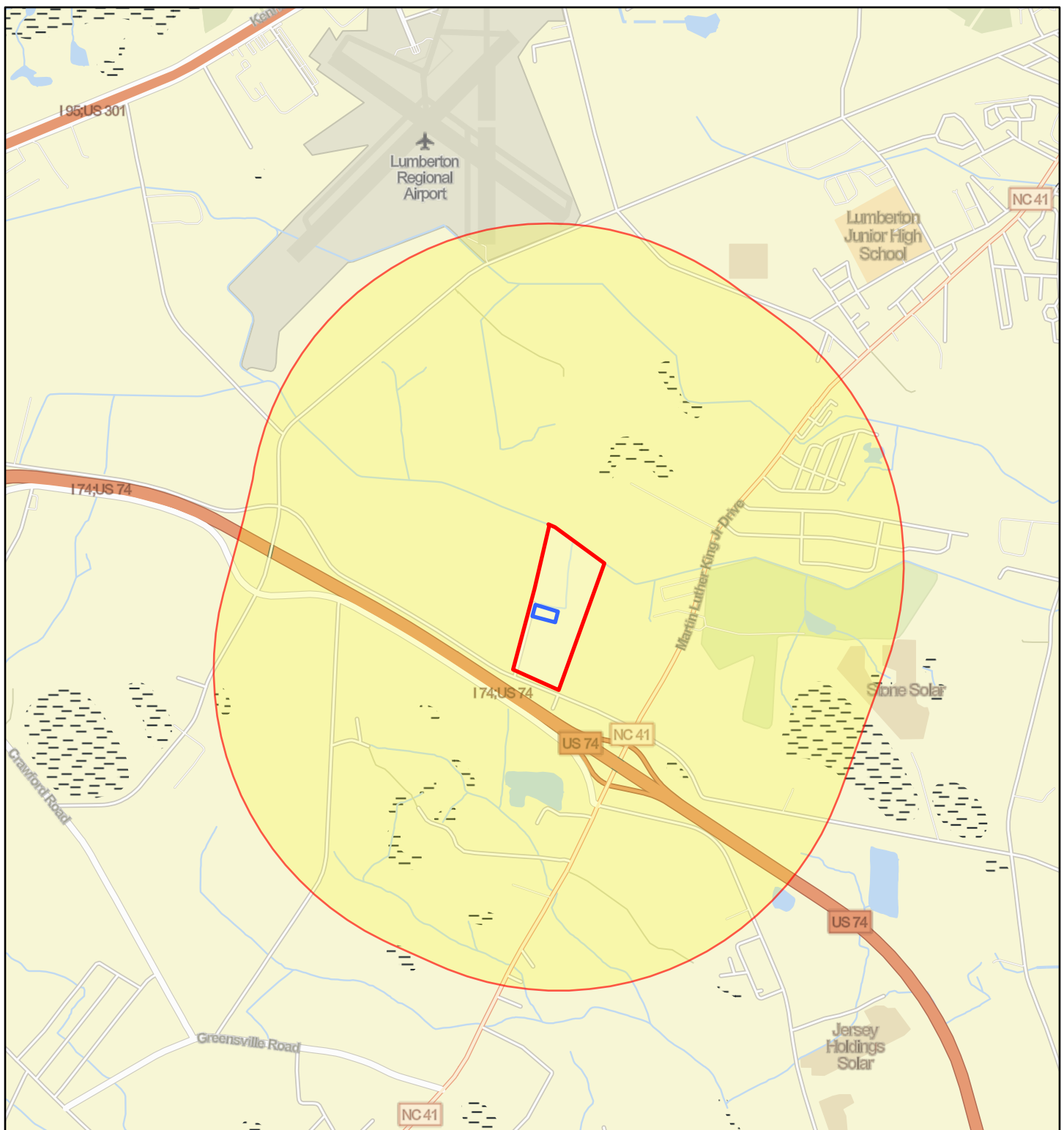
DESIGNED BY: **SN**
 DRAWN BY: **CB**
 CHECKED BY: **SN**
 DATE: **JANUARY 2023**
 SCALE: **NONE**
 FIELD BOOK: **-**
 FILE NO: **D-1**
 PROJECT NO: **-**

WITHERS RAVENEL • ENGINEERS • PLANNERS • SURVEYORS
 208 EAST 5th STREET • LUMBERTON, N.C. 28358 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • EMAIL: KNVAengineering@att.net
ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK - DETAILS

Section 106 ATTACHMENT 2:





NRHP and HPOWEB Maps

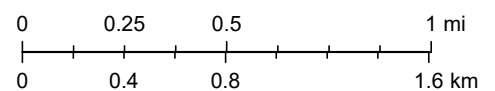
Legend Road Water Tank - NRHP Map (1-mile)



May 10, 2023

1:36,112

-  Excluded Parcel
-  Legend Road Water Tank - EPA Facilities
-  Buffer graphics
-  National Register of Historic Places



Map data © OpenStreetMap contributors, Microsoft, Facebook, Inc. and its affiliates, Esri Community Maps contributors, Map layer by Esri, EPA OEI, OFA

Legend Road Water Tank – HPOWEB





North Carolina Department of Public Safety

Office of Recovery and Resiliency

Roy Cooper, Governor
Eddie M. Buffaloe, Jr., Secretary

Laura H. Hogshead, Director

May 12, 2023

Dr. Wenonah George Haire
ATTN: THPO
Catawba Indian Nation
1536 Tom Steven Road
Rock Hill, SC 29730

RE: Section 106 Review - HUD CDBG-MIT Program
Legend Road Water Tank
176 Legend Road
Lumberton, NC 28358

Dear Dr. Wenonah George Haire:

The North Carolina Office of Recovery and Resiliency (NCORR), as a recipient of Community Development Block Grant – Mitigation (CDBG-MIT) funds from the United States Department of Housing and Urban Development (HUD), is serving as the responsible entity for compliance with the HUD environmental review procedures set forth in 24 CFR Part 58. NCORR is acting on behalf of HUD in providing the enclosed project information and inviting this discussion with your Nation.

NCORR processes environmental reviews for proposed projects funded with HUD CDBG-MIT on a case-by-case basis. In accordance with Section 101(d)(6)(B) of the National Historic Preservation Act (NHPA) of 1966, as amended (16 U.S.C. 470f), and its implementing regulations, 36 CFR Part 800, this letter serves as notification of the proposed action. This letter also serves as an invitation to discussion as a consulting party in this review to help identify historic properties in the proposed project area that may have religious and cultural significance to your Nation, and if such properties exist, to help assess how the proposed project might affect them. If the proposed project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

Mailing Address:
Post Office Box 110465
Durham, NC 27709



Phone: (984) 833-5350
www.ncdps.gov
www.rebuild.nc.gov

An Equal Opportunity Employer

Area of Potential Effects (APE) under §800.16(d): We have defined the APE as the boundary of the Subject located at 176 Legend Road, Lumberton, Robeson County, NC 28358 (**Attachment 1**). According to the Robeson County Tax Map, the County-owned Parcel ID is 02090100501 and consists of 60.96 acres (**Attachment 1**).

The State of North Carolina was adversely impacted by the landfall of Hurricanes Matthew (October 8, 2016) and Florence (September 14, 2018). During the Hurricane Matthew storm event, water delivery systems throughout Robeson County were adversely impacted by water service interruptions, including to the public facilities located along Legend and Sanchez Roads. During and immediately following the storm event, potable water had to be transported to these facilities, both by truck and through individual bottled servings. The NC DWR's Public Water Supply section requires all water systems to maintain a minimum pressure of 30 psi for normal conditions and 20 psi for fire flow. These numbers are attainable with the proposed project's installation of an elevated water storage tank in the vicinity of the Robeson County Emergency Operations Center, Sheriff's Office and Jail, Emergency Medical Services, Water Department, and Public Utilities buildings to avoid system pressure loss at these County facilities and the adjacent NC Department of Corrections' Lumberton Correctional Institution. It is critical that these facilities have adequate water supply during emergencies and future storm events. This proposed project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events. Therefore, funding for the proposed project will be provided in part by the HUD CDBG-MIT North Carolina Infrastructure Recovery Program for Hurricanes Matthew and Florence storm recovery activities in North Carolina.

Proposed Project Description: This proposed project will utilize CDBG-MIT funding to construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions as experienced during Hurricane Matthew. The proposed project includes procurement of architectural/engineering services, soils testing, boundary surveys, and construction of improvements. Construction will involve extensive land clearing and excavation, trenching, placement of concrete foundations, installation of an appropriately-sized elevated water tank and piping, and connections to the existing 12-inch water main on Legend Road and the existing 8-inch water main that ties into Sanchez Road. The foundations shall be a mat or ring wall foundation with a depth not to exceed 10 feet below finish grade or pilings to a depth of not more than 65 feet. Two hundred feet of ductile iron pipe with neoprene gaskets will be installed where the water main passes within 100 feet of an existing underground fuel storage tank. The proposed project site plans are included in **Attachment 1**.

We have completed an initial review of this project in compliance with Section 106 of the NHPA and its implementing regulations 36 CFR Part 800. Based on our research of the Subject Property in the National Register of Historic Places, North Carolina State Historic Preservation Office's (NC SHPO) HPOWEB, and site review, no publicly recorded historic properties which are locally designated or listed in or eligible for inclusion in the State or National Register of Historic Places are located on or adjacent to the Subject Property. The results are included in **Attachment 2**.

The proposed project information has been sent to the NC SHPO in accordance with Section 106 of the NHPA and its implementing regulations, 36 CFR Part 800. The Lumbee Tribe is being sent a notification of the proposed project. The Subject Property is a large, County-owned parcel containing the Robeson County Emergency Operations Center, Sheriff's Office and Jail, Emergency Medical Services, Water Department, and Public Utilities buildings. The NC Department of Corrections' Lumberton Correctional Institution is across Legend Road to the west. The proposed project development area is vacant and historic use was likely agricultural.

With this letter, NCORR respectfully submits for your review the attached documentation for the proposed project described herein. If the APE encompasses historic properties of religious or cultural significance to your Nation, please respond within 30 days of receipt of this letter indicating a desire to consult. If you have any concerns with potential impacts of the proposed project on historic properties, please note them in your response along with your preferred principal representative's point of contact. Please respond within this timeframe, otherwise we will assume that the proposed project will have no effect to historic properties of religious or cultural significance. Please respond via email at Andrea.L.Gievers@Rebuild.NC.gov or in writing to the address listed below.

Ms. Andrea Gievers
NCORR - Environmental
ATTN: THPO Comments
P.O. Box 110465
Durham, NC 27709

If you have any questions or require additional information regarding this request, please feel free to contact Andrea Gievers at (845) 682-1700 or via email at Andrea.L.Gievers@Rebuild.NC.gov. Thank you for your time and assistance.

Sincerely,



Andrea Gievers, JD, MSEL, ERM
NCORR Environmental Subject Matter Expert

Enclosures:

Attachment 1: Proposed Project Location Maps and Site Plans
Attachment 2: NRHP and NC HPOWEB Maps

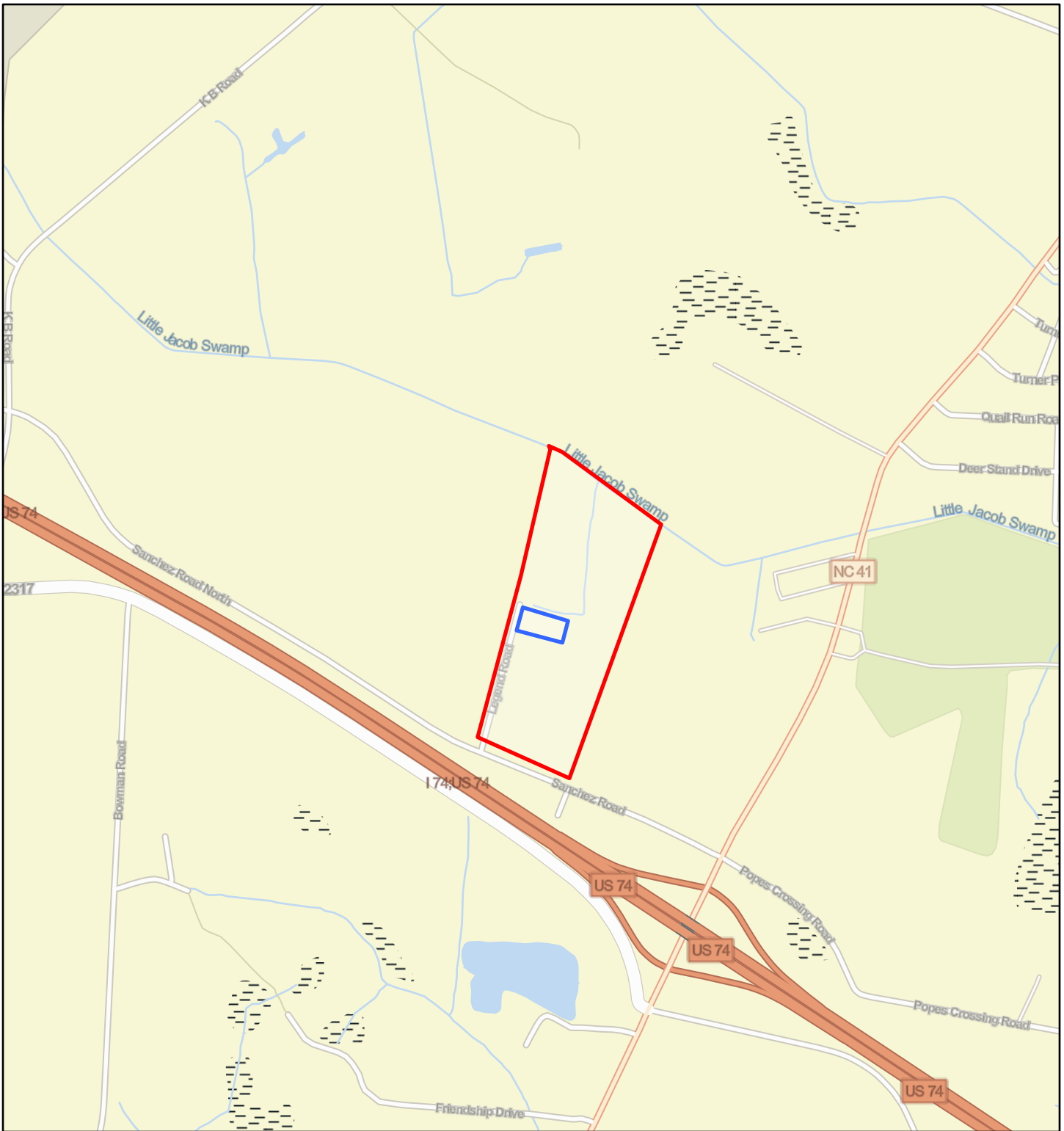
cc: Chief Bill Harris, Catawba Indian Nation, 996 Avenue of the Nations, Rock Hill, SC 29730

Section 106 ATTACHMENT 1:

Proposed Project Location



Maps and Site Plans

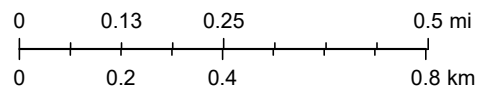
Legend Road Water Tank - Street Map



May 10, 2023

1:18,056

-  Excluded Parcel
-  Legend Road Water Tank



Legend Road Water Tank - Aerial Map

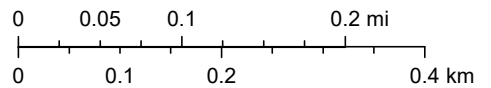


May 10, 2023

1:9,028

 Excluded Parcel

 Legend Road Water Tank





Robeson County Ambulance Service

N.C. Dept of Corrections

Proposed 12' Water Main

R.C. Public Utilities

Proposed Elevated Tank

Existing Well Treatment

R.C. Sheriff's Office

R.C. Jail

Robeson County Emergency Operations

R.C. Water Dept.

1 inch = 200 feet



ROBESON COUNTY COUNTY-WIDE WATER SYSTEM

Legend Road 0.500 MG Elevated Tank

KELLIE BLUE, COUNTY MANAGER
SHELTON HILL, ASSISTANT COUNTY MANAGER
JASON KING, ASSISTANT COUNTY MANAGER

COMMISSIONERS

WIXIE STEPHENS - CHAIRMAN
H. T. (TOM) TAYLOR - VICE CHAIRMAN
PAULINE CAMPBELL
JOHN CUMMINGS
FALINE DAIL
DAVID EDGE
LANCE HERNDON
JUDY SAMPSON

TAMMY FREEMAN, CLERK TO THE BOARD
MYRON NEVILLE, PUBLIC UTILITIES DIRECTOR

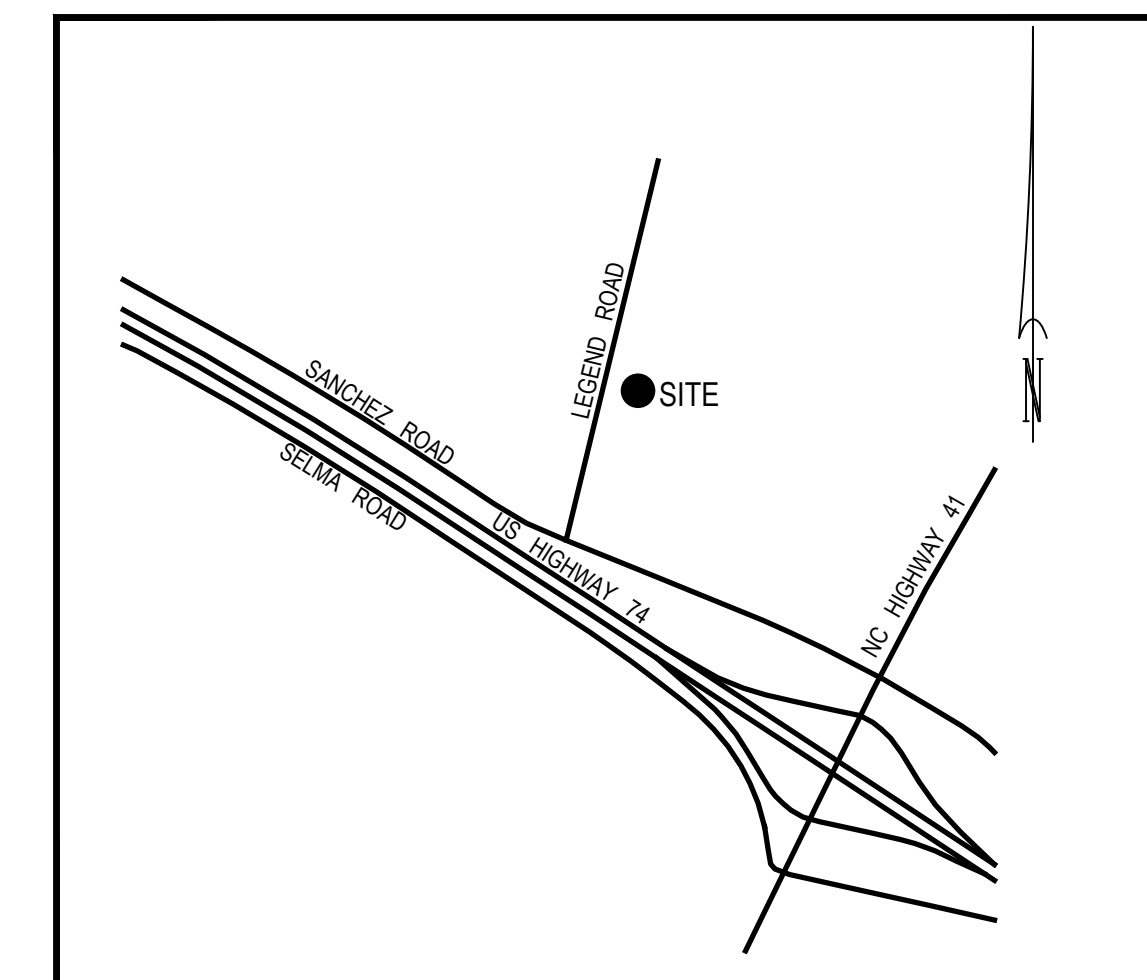
Table of Contents

- 1 - Site Plan
- 2 - 12" Water Main Plan & Profile
- 3 - Tank Elevation & Details
- 4 - Altitude Valve & Vault
- D-1 - Detail Sheet



Know what's below.
Call before you dig.

LIMITS OF WORK SHALL INCLUDE
ALL AREAS INSIDE NCDOT R/W &
EXISTING UTILITIES EASEMENTS
AS SHOWN ON PLANS.

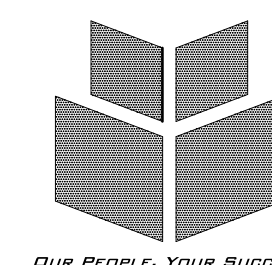


VICINITY MAP



<input checked="" type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary Plat - Not for recordation, conveyances, or sales
<input type="checkbox"/>	Final Drawing - Not released for construction
<input type="checkbox"/>	Final Drawing - For Review Purposes Only
<input type="checkbox"/>	Final Drawing - Released For Construction

WithersRavenel · Engineers · Planners · Surveyors

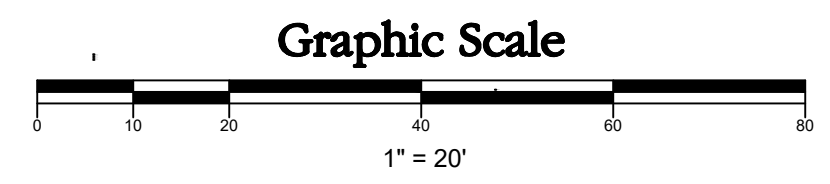


208 E. 5th Street Lumberton, NC 28358 Phone: 910-738-9376 Fax: 910-738-9378 Email: KNAengineering@att.net Lic. No.- F-1479

N/F
COUNTY OF ROBESON
C/O FINANCE
PARCEL REF. No. 02090100501
PIN: 938035514300
D.B. 687 PG. 865

N/F
CEBSR PROPERTIES LLC
PARCEL REF. No. 020901006
PIN: 938074620300
D.B. 1406 PG. 846

Site Plan
1"=20'



Legend

- - - - -	EXISTING CONTOUR
— — — — —	PROPOSED CONTOUR

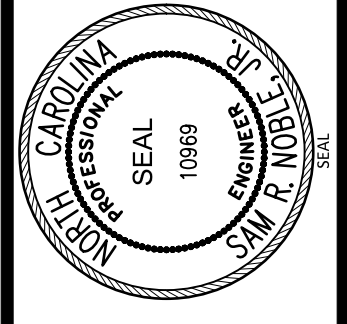
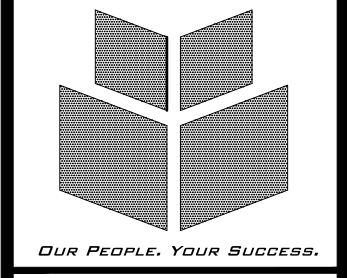
X	Preliminary - Do not use for construction
- - - - -	Progress Drawings - Do not use for construction
- - - - -	Preliminary Plat - Not for recordation, conveyances, or sales
- - - - -	Final Drawing - Not released for construction
- - - - -	Final Drawing - For Review Purposes Only
- - - - -	Final Drawing - Released For Construction



camirobol\Legend Road Tank\Site Plan

REVISIONS

DESIGNED BY:	SRN
DRAWN BY:	CEB
CHECKED BY:	SRN
DATE:	JAN. 2023
SCALE:	1"=20'
FIELD BOOK:	GPS
FILE NO.:	Site Plan
PROJECT NO.:	



WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS
208 EAST 5th STREET • LUMBERTON, N.C. 28388 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • EMAIL: KNAAengineering@att.net

ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK - SITE PLAN



Sec. Rd. 2334
Legend Road

Graphic Scale

1" = 40'

⊗ Preliminary - Do not use for construction
⊞ Progress Drawings - Do not use for construction
⊞ Preliminary Plat - Not for recordation, conveyances, or sales
⊞ Final Drawing - Not released for construction
⊞ Final Drawing - For Review Purposes Only
⊞ Final Drawing - Released For Construction

WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS

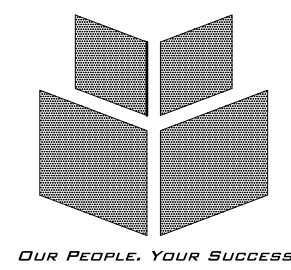
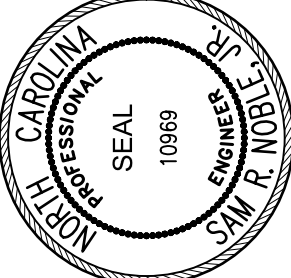
ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK SITE - PROPOSED WATER MAIN

SHEET NO.

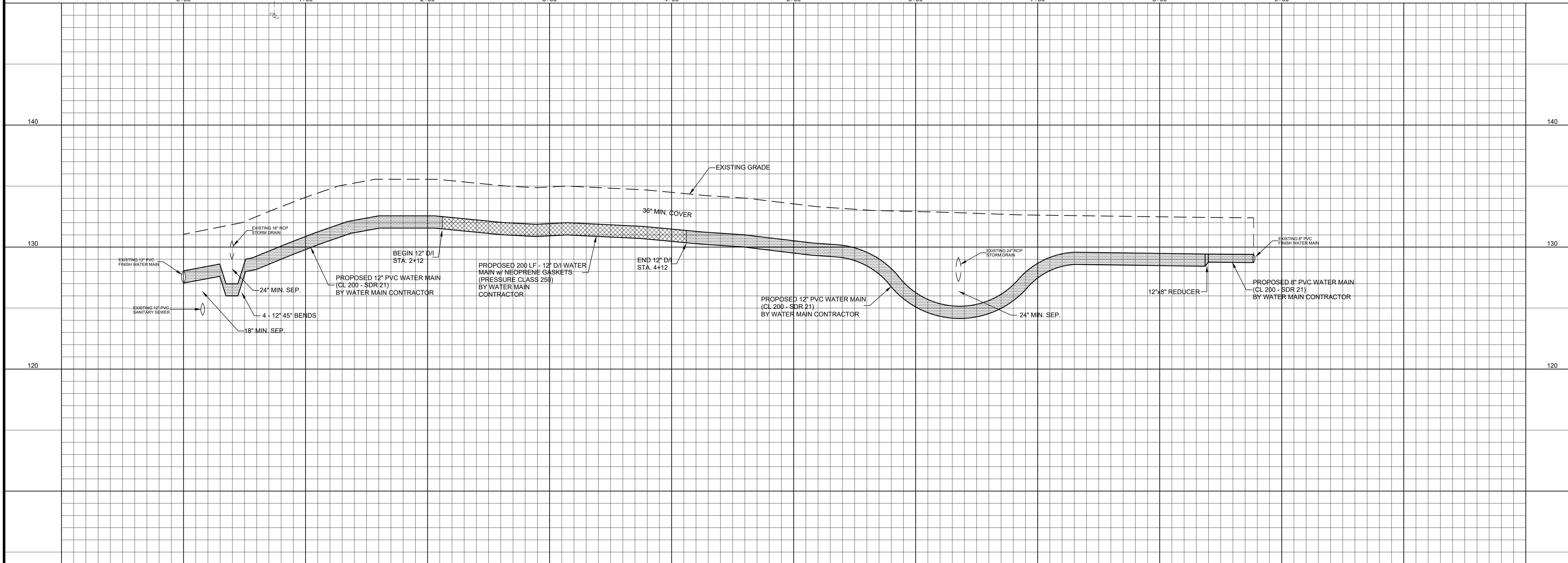
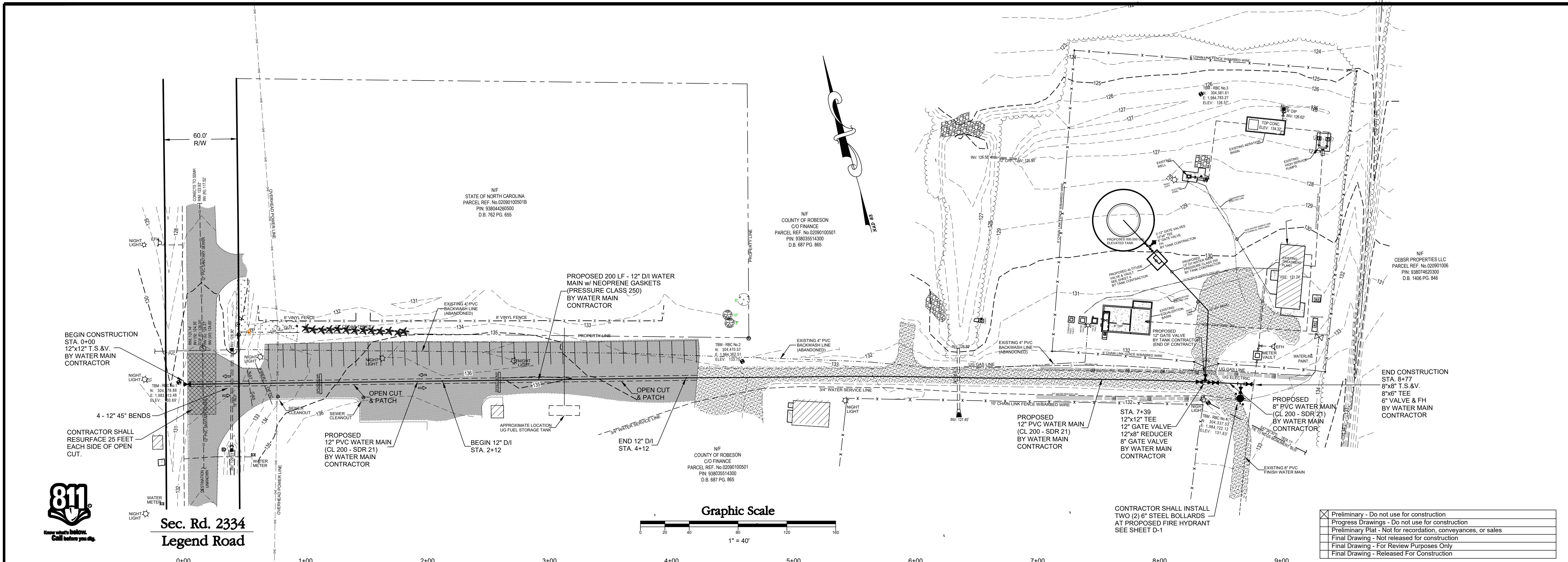
2

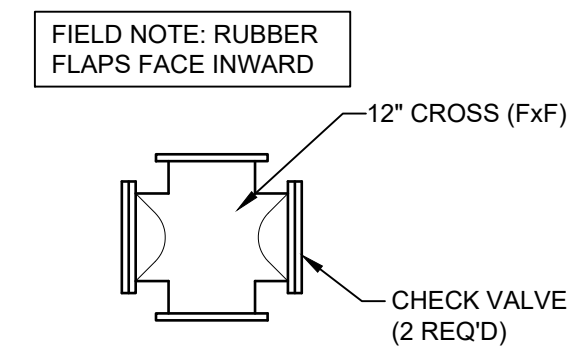
OF 4

208 EAST 5th STREET • LUMBERTON, N.C. 28358 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • E-MAIL: KNEngineering@att.net

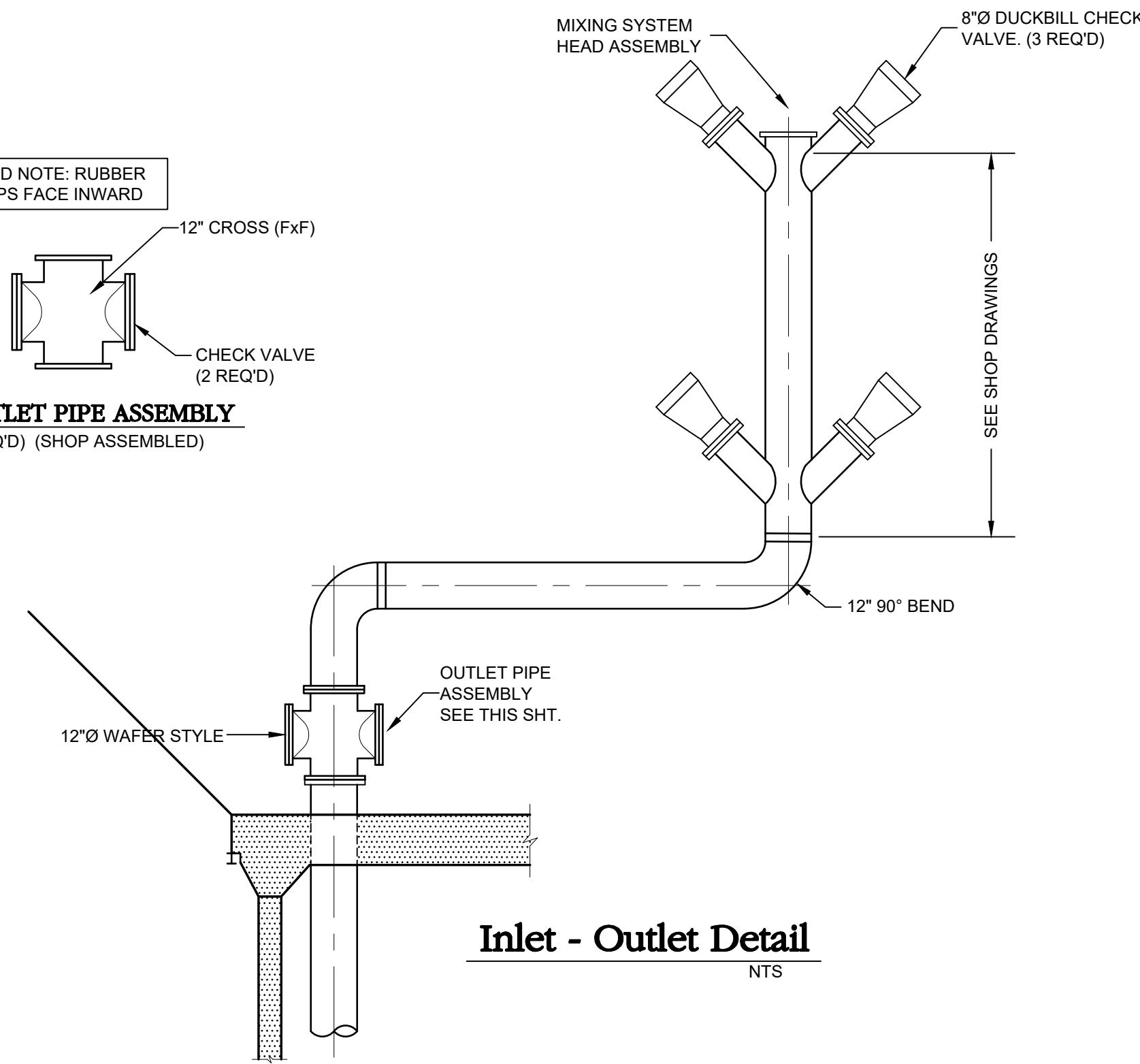


DESIGNED BY: SRN
DRAWN BY: CBB
CHECKED BY: SRN
DATE: JAN. 2023
SCALE: 1"=40'H, 1"=4'V
FIELD CODE: EPS
FILE NO.: 12 Water Main
PROJECT NO.:

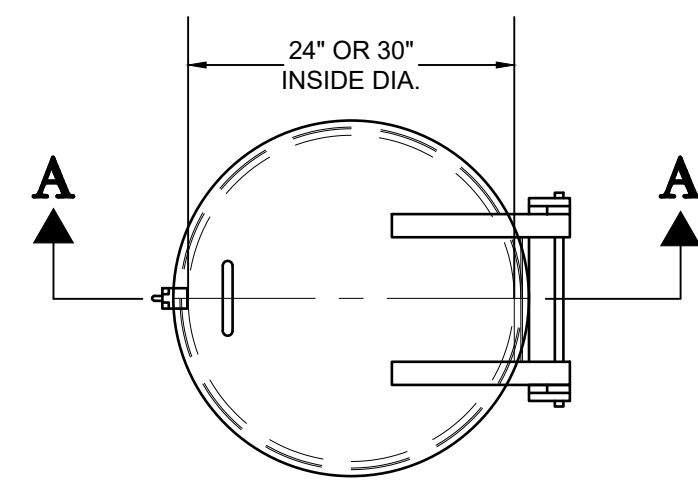




OUTLET PIPE ASSEMBLY
(1 REQ'D) (SHOP ASSEMBLED)

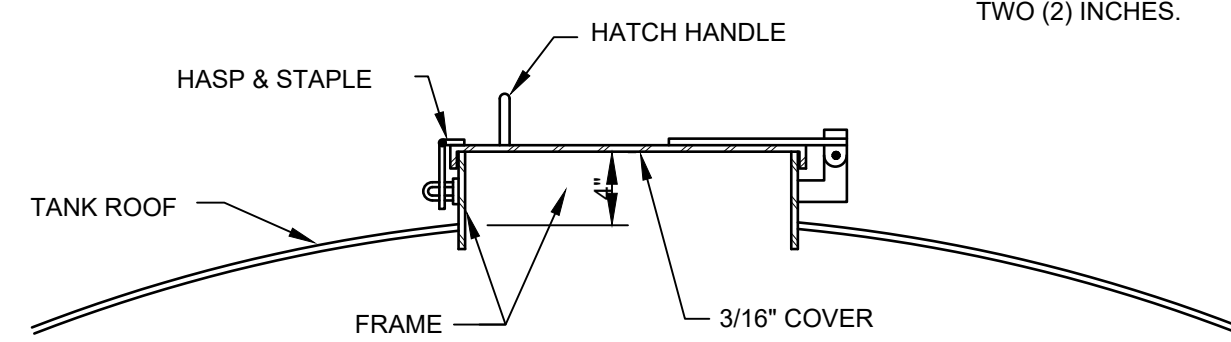


Inlet - Outlet Detail
NTS



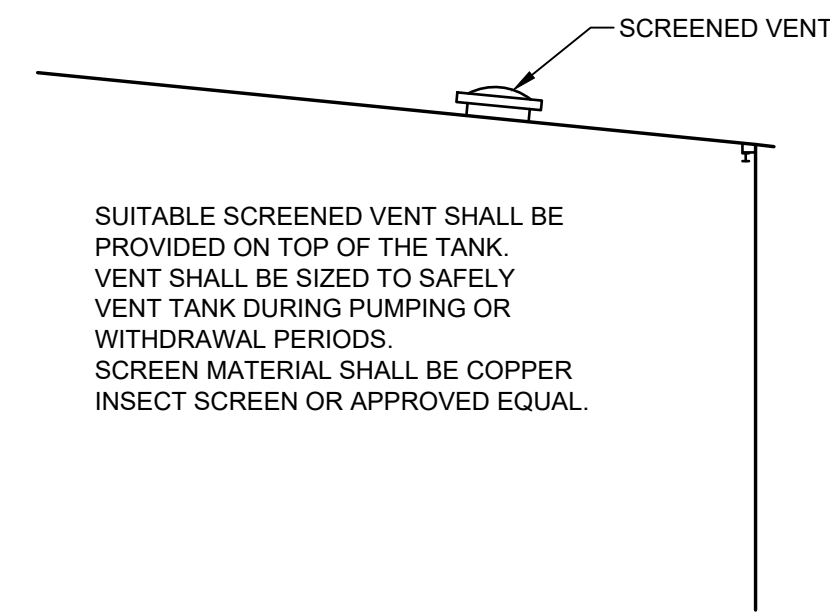
PLAN

NOTE: ROOF HATCH SHALL MEET ALL APPLICABLE REQUIREMENTS OF 15A-NCAC-18C.0405(a)(2). THE COVER SHALL EXTEND DOWN AROUND THE FRAME AT LEAST TWO (2) INCHES.



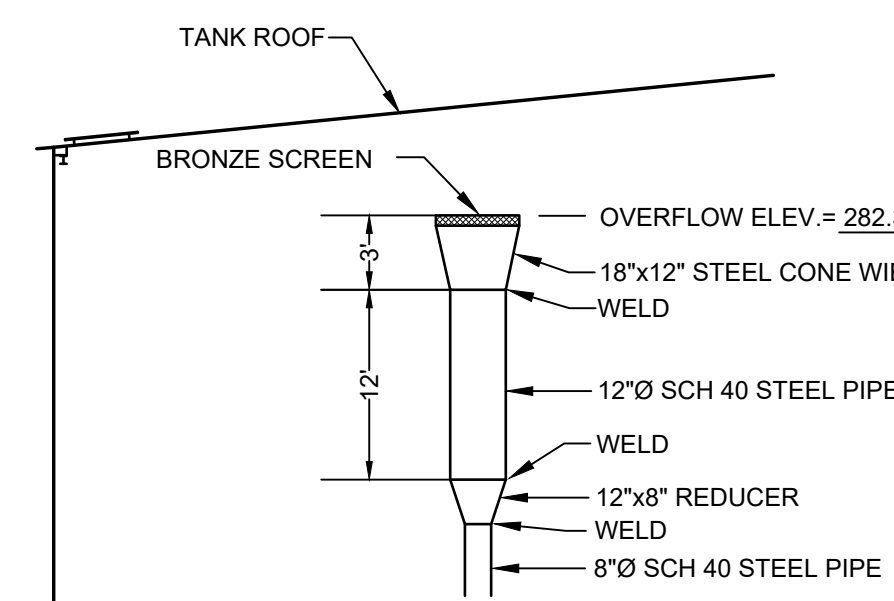
Section A-A

24"Ø or 30"Ø Roof Hatch
NTS

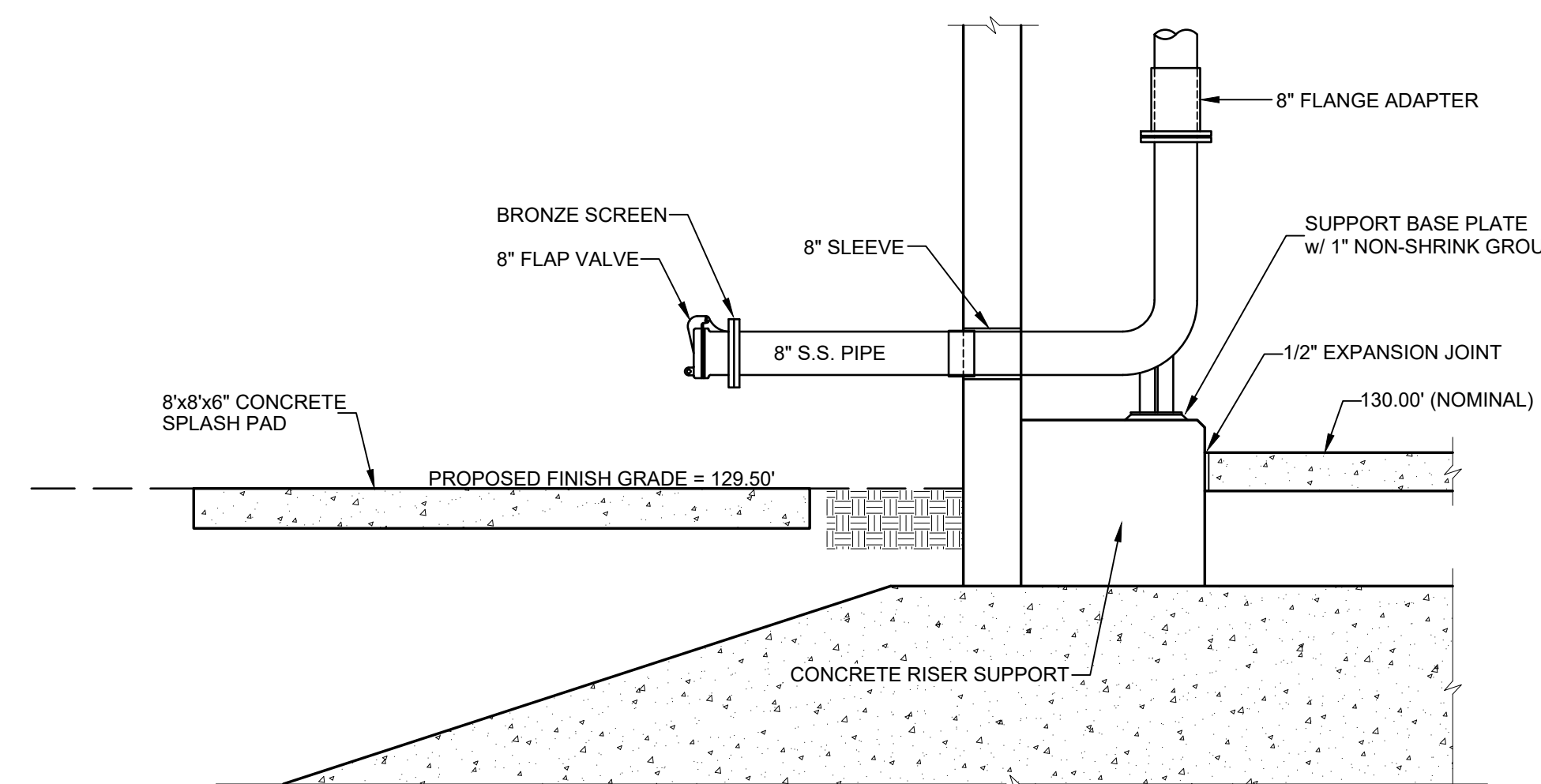


Screened Vent Detail
NTS

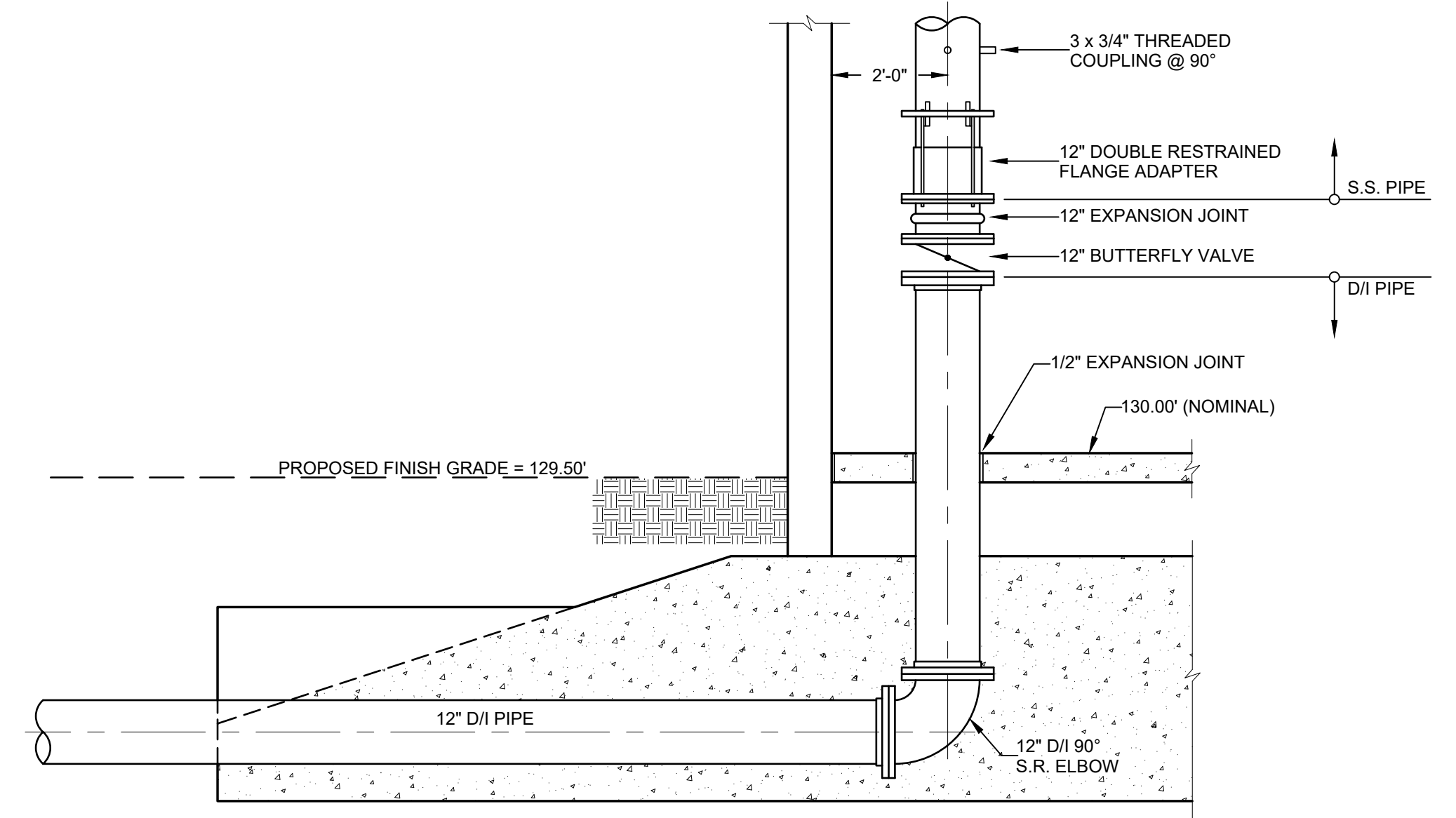
SUITABLE SCREENED VENT SHALL BE PROVIDED ON TOP OF THE TANK. VENT SHALL BE SIZED TO SAFELY VENT TANK DURING PUMPING OR WITHDRAWAL PERIODS. SCREEN MATERIAL SHALL BE COPPER INSECT SCREEN OR APPROVED EQUAL.



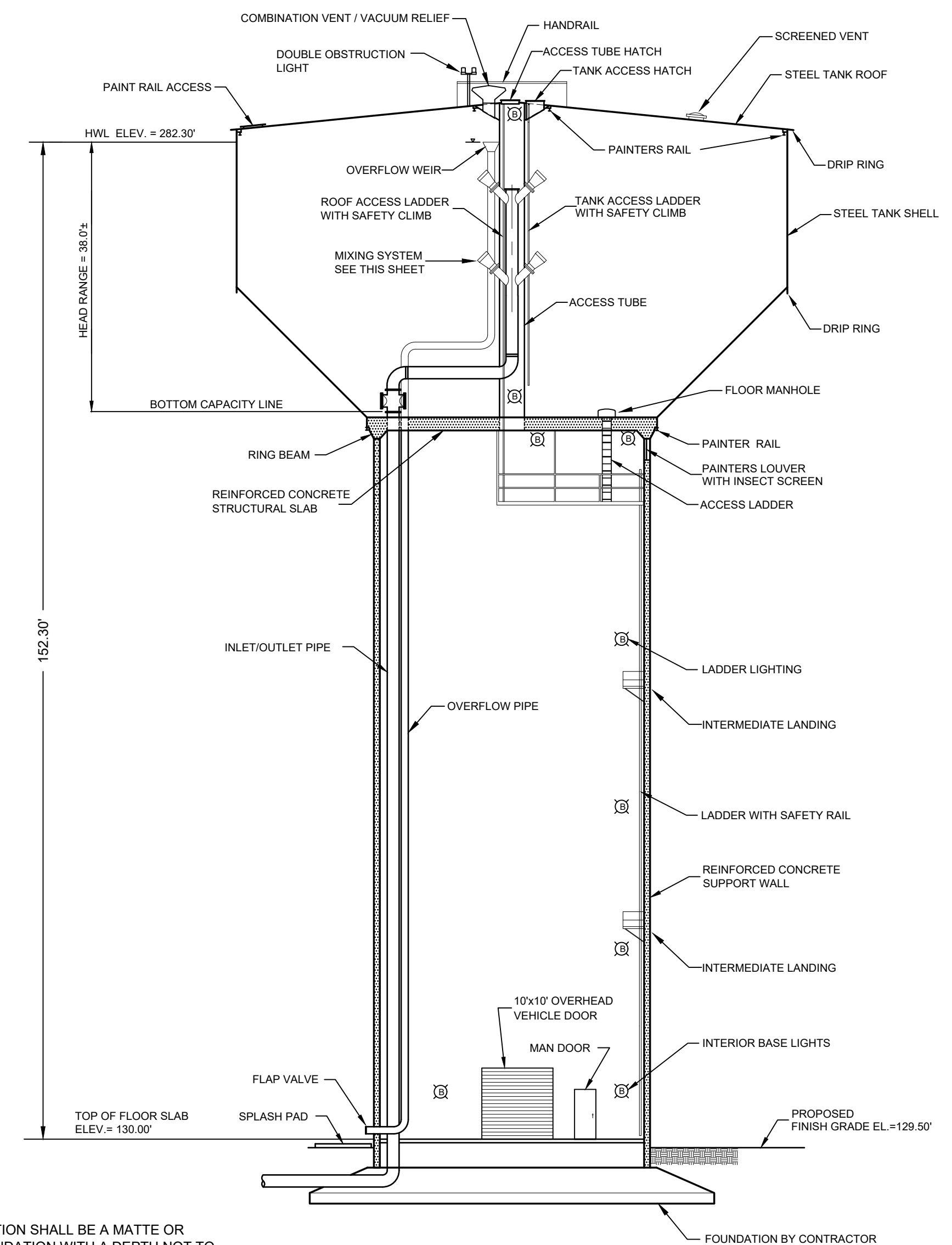
Overflow Inlet
NTS



8" Overflow Outlet
NTS



12" Inlet/Outlet Detail
NTS



Composite Tank Elevation
NTS

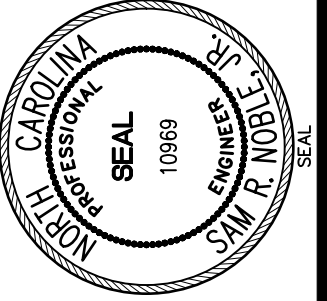
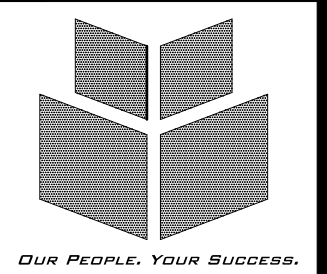
NOTE: FOUNDATION SHALL BE A MATTE OR RINGWALL FOUNDATION WITH A DEPTH NOT TO EXCEED 10 FEET BELOW FINISHED GRADE OR PILING SHALL BE INSTALLED TO A DEPTH OF NOT MORE THAN 65 FEET.

- NOTES:
1. TANK CONTRACTOR TO MOUNT DOUBLE OBSTRUCTION LIGHTS ON TOP OF TANK. SEE SPECIFICATIONS FOR DETAILS.
 2. TANK CONTRACTOR SHALL INSTALL CONDUIT, LIGHTS & ELECTRICAL SERVICE PER SPECIFICATIONS & SPECIAL PROVISIONS.
 3. ALL CHLORINATED WATER USED FOR ELEVATED TANK DISINFECTION SHALL BE DISCHARGED TO WASTE, AS DIRECTED BY THE ENGINEER, PRIOR TO REFILLING THE ELEVATED TANK FOR BACTERIOLOGICAL TESTING.
 4. LADDERS SHALL BE PROVIDED AS REQUIRED BY SPECIFICATIONS.

<input type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary Plat - Not for recordation, conveyances, or sales
<input type="checkbox"/>	Final Drawing - Not released for construction
<input type="checkbox"/>	Final Drawing - For Review Purposes Only
<input type="checkbox"/>	Final Drawing - Released For Construction

REVISIONS

DESIGNED BY: SRN
DRAWN BY: GIB
CHECKED BY: SRN
DATE: JAN. 2023
SCALE: NONE
FIELD BOOK: --
FILE NO.: Tank Details
PROJECT NO.: --



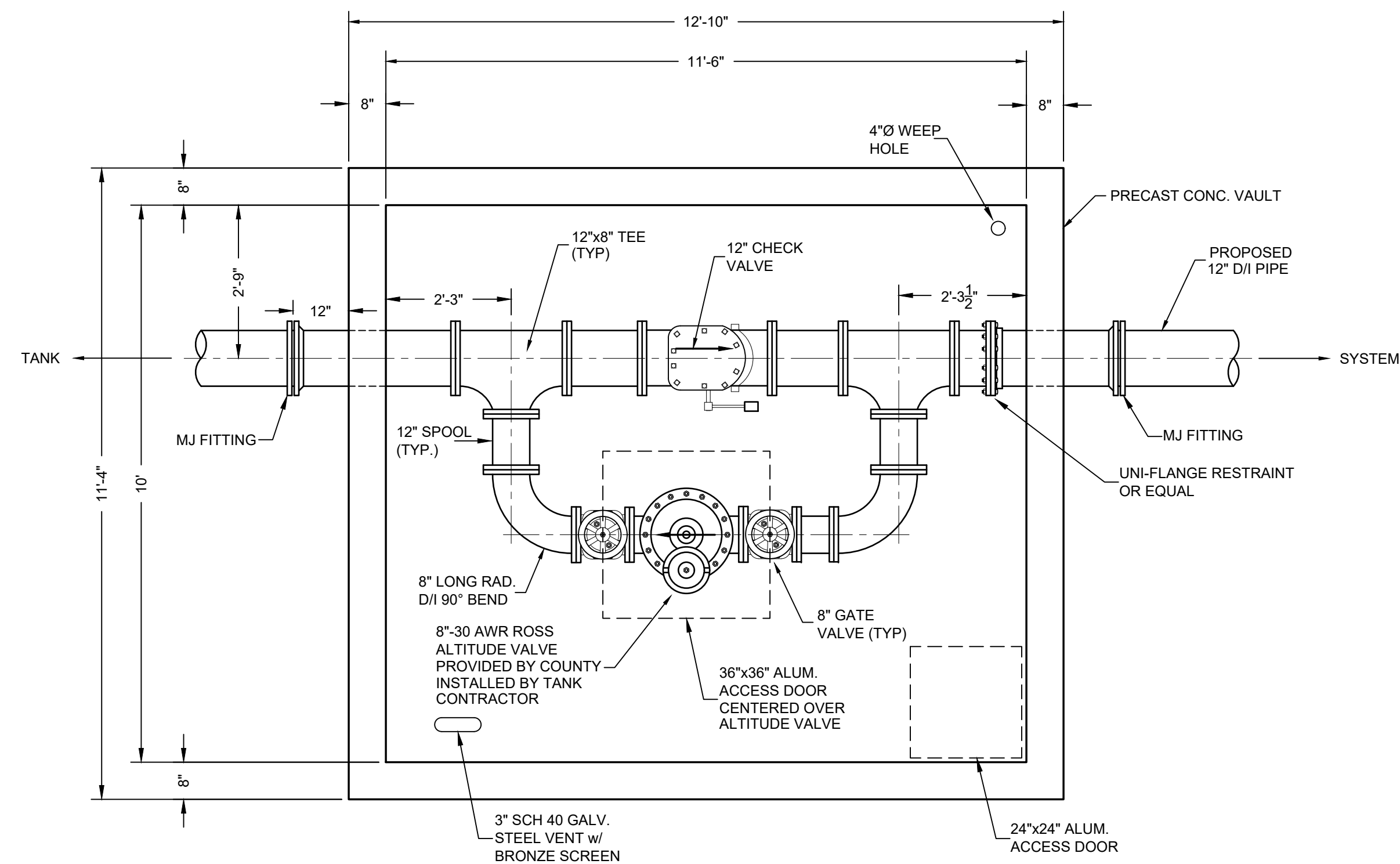
WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS
 208 EAST 5th STREET • LUMBERTON, N.C. 28358 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • EMAIL: KNEngineering@att.net

ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK - TANK ELEVATION AND DETAILS

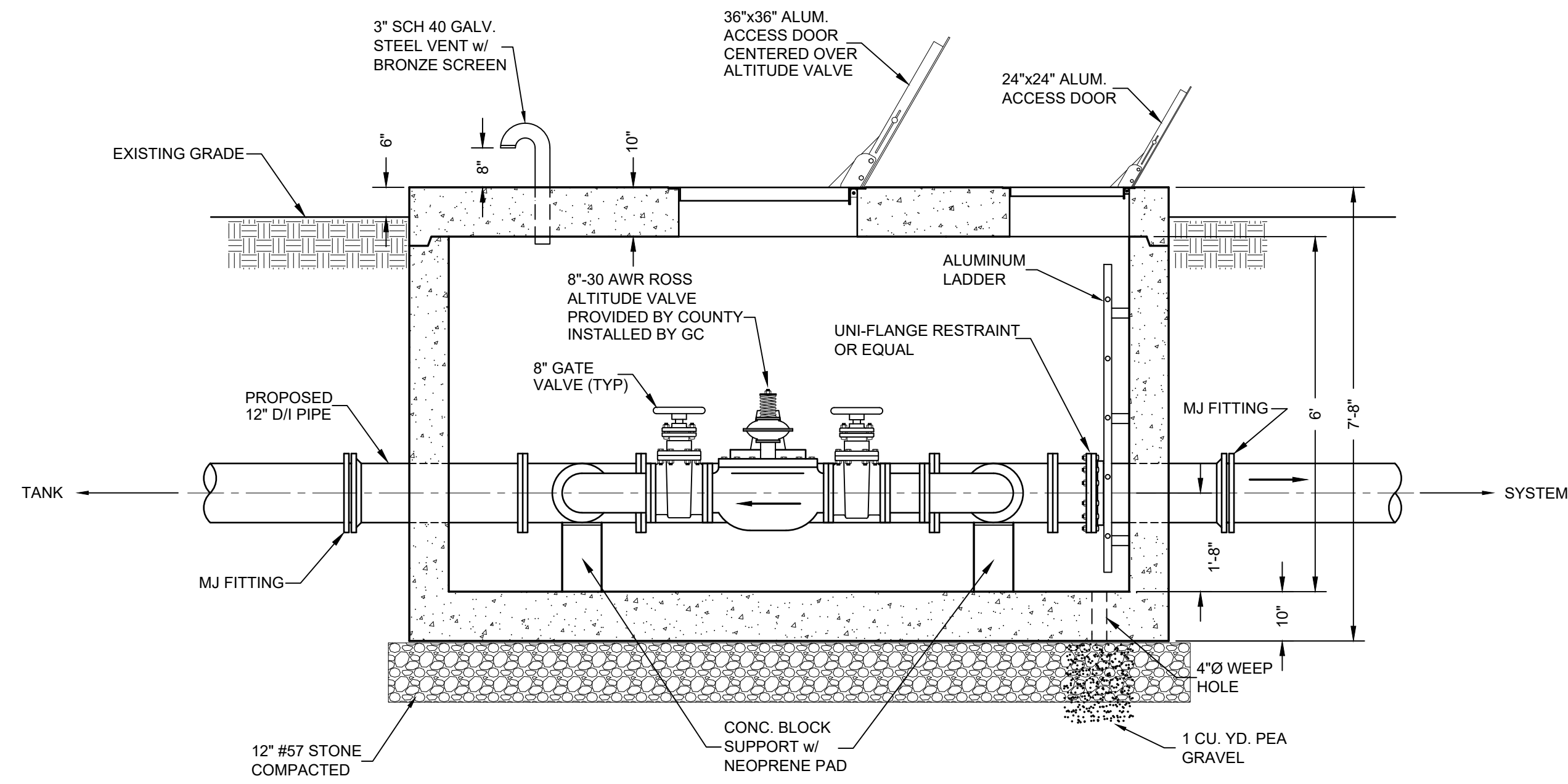
SHEET NO.

3

OF 4



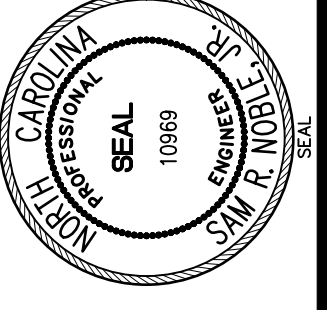
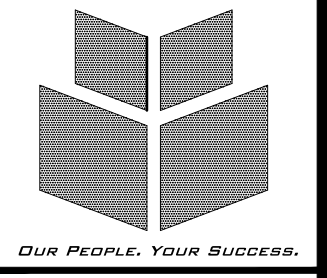
Plan View
1/2" = 1'-0"



Profile View
1/2" = 1'-0"

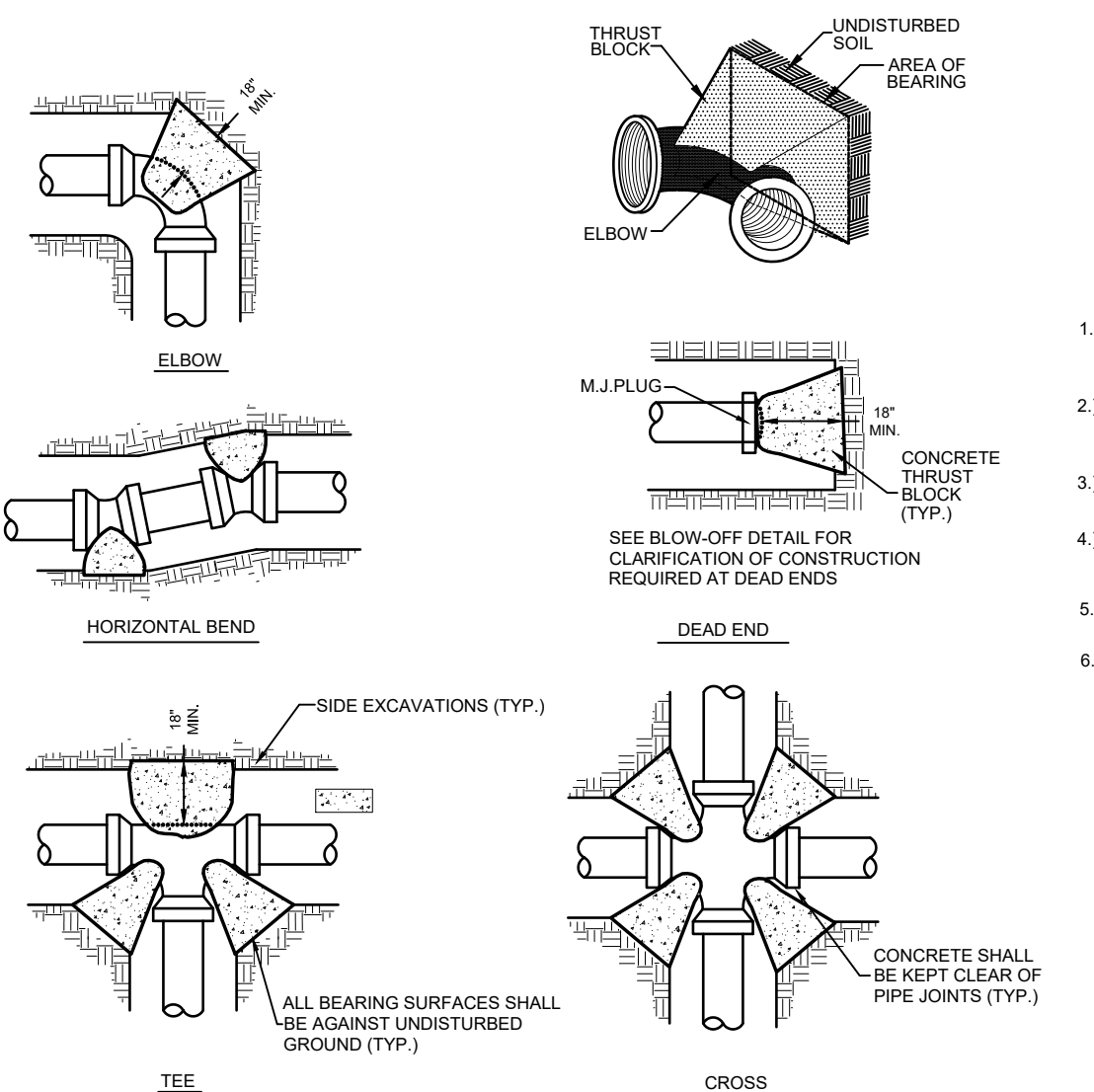
<input checked="" type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary Plat - Not for recordation, conveyances, or sales
<input type="checkbox"/>	Final Drawing - Not released for construction
<input type="checkbox"/>	Final Drawing - For Review Purposes Only
<input type="checkbox"/>	Final Drawing - Released For Construction

DESIGNED BY: SRN
DRAWN BY: CBB
CHECKED BY: SRN
DATE: JAN. 2023
SCALE: 1/2" = 1'-0"
FIELD BOOK: -
FILE NO: ALTITUDE Valve
PROJECT NO: -



WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS
 208 EAST 5th STREET • LUMBERTON, N.C. 28358 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • EMAIL: KNEngineering@atl.net

ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK - ALTITUDE VALVE AND VAULT

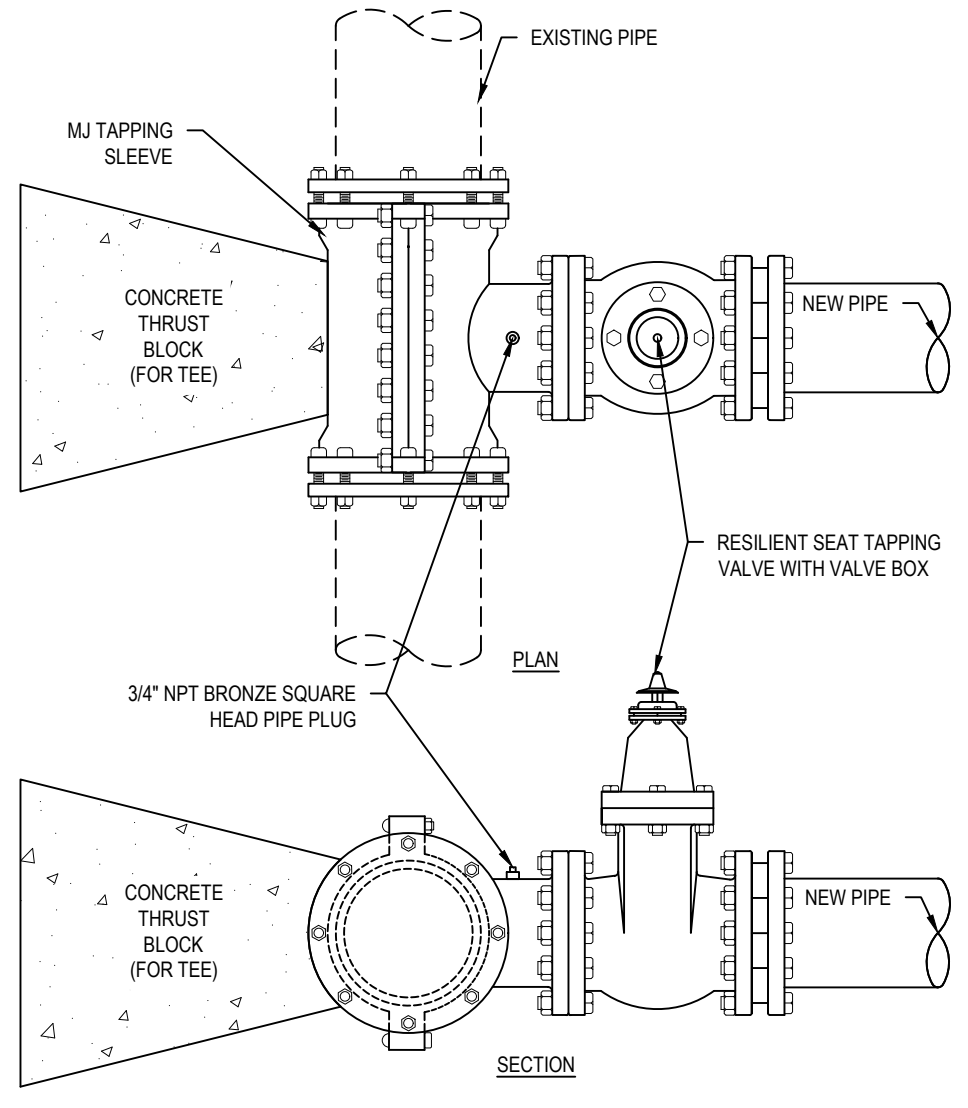


- NOTES:**
- THRUST BLOCKS SHALL BE INSTALLED ON PVC WATER DISTRIBUTION LINES 6" THRU 12" DIA. IN THE MANNER SHOWN.
 - PIPE GREATER THAN 12 INCH DIAMETER SHALL REQUIRE RESTRAINT JOINT PIPE FOR THE PROPER LENGTH.
 - SAC-CRETE SHALL NOT BE ALLOWED.
 - NO CONCRETE SHALL BE PLACED ON BOLTS. WRAP JOINT FITTINGS WITH PLASTIC.
 - CONCRETE SHALL BE A MINIMUM 3,000 PSI.
 - ALL BEARING SURFACES SHALL BE AGAINST UNDISTURBED SOIL.

CONCRETE THRUST BLOCK DETAIL
NTS

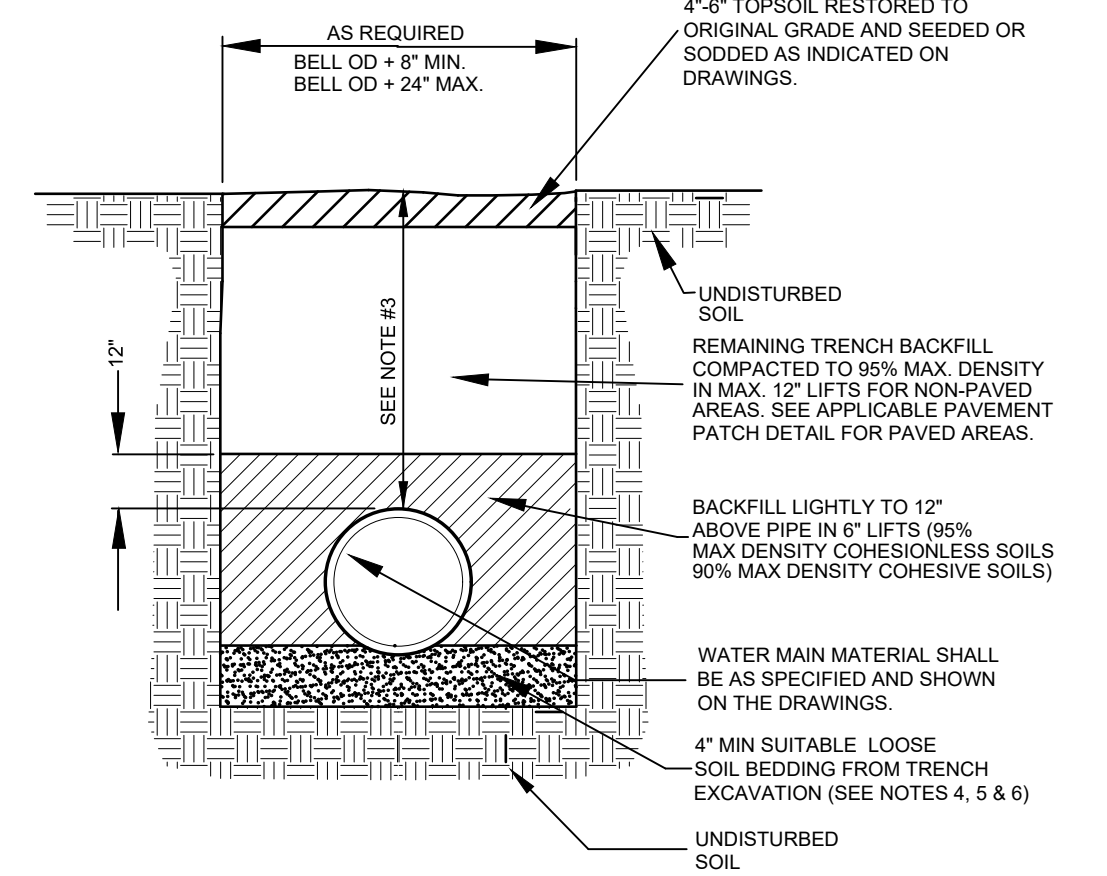
FITTING SIZE (IN.)	THRUST BLOCKING SCHEDULE				
	11 1/4"	22 1/2"	48"	90"	FLUG
2			0.23 (0.11)	0.38 (0.11)	0.30 (0.11)
4			0.83 (0.18)	1.35 (0.18)	0.98 (0.18)
6	0.40 (0.01)	0.80 (0.02)	1.73 (0.20)	3.00 (0.33)	2.17 (0.25)
8	0.80 (0.02)	1.50 (0.04)	3.08 (0.34)	5.40 (0.60)	3.83 (0.42)
10	1.20 (0.03)	2.30 (0.07)	4.72 (0.52)	8.40 (0.94)	5.92 (0.66)
12	1.70 (0.05)	3.30 (0.12)	6.82 (0.75)	12.00 (1.33)	8.48 (0.94)
16	3.00 (0.33)	5.90 (0.65)	11.60 (0.86)	21.30 (1.57)	15.00 (0.97)
20	4.60 (0.52)	9.20 (0.76)	18.00 (1.32)	33.30 (3.60)	23.30 (1.87)
24	6.70 (0.75)	13.20 (0.97)	26.00 (2.28)	48.00 (5.29)	33.60 (3.24)
30	10.40 (0.77)	20.70 (1.80)	40.60 (4.45)	75.00 (10.30)	52.50 (8.32)
36	15.00 (1.26)	29.80 (3.11)	58.40 (7.67)	108.0 (17.90)	75.60 (10.90)

NOTE: Values given are based on 150 psi water pressure and 2000 blif soil bearing capacity. Soils with less bearing capacity such as muck, peat or soft clay will require greater blocking areas and volumes.
The thrust blocking shown above is based on the use of mechanical joint as shown on plans.



- NOTES:**
- SLEEVE BODY SHALL BE DUCTILE IRON ASTM A536.
 - THE MATING FLANGE TO THE TAPPING SLEEVE MUST HAVE A RAISED FACE TO PROVIDE FOR PROPER ALIGNMENT OF THE VALVE & TAPPING SLEEVE.
 - THE SLEEVE SHALL INCLUDE A FULL CIRCUMFERENTIAL GASKET PROVIDING A 360° SEAL AROUND EXISTING PIPE.
 - ALL VALVES SHALL HAVE 2" SQUARE OPERATING NUT & SHALL OPEN COUNTERCLOCKWISE.
 - VALVE BODY, BONNET, & GATE SHALL BE IN ACCORDANCE WITH AWWA C515 AND NSF 61.
 - VALVE BODY & BONNET SHALL BE COATED ON ALL INTERIOR & EXTERIOR SURFACES WITH A FUSION BONDED EPOXY IN ACCORDANCE WITH AWWA C550.
 - ALL VALVES 24" & SMALLER SHALL HAVE A SAFE WORKING PRESSURE OF 250 PSI.
 - PIPE SURFACES SHALL BE CLEANED THOROUGHLY TO PERMIT FOR A GOOD SEAL PRIOR TO INSTALLATION.
 - EXTERIOR OF TAPPING SLEEVE SHALL BE COATED WITH 2 COATS OF ASPHALTIC VARNISH MIL-C450.
 - EDGE OF SLEEVE SHALL BE LOCATED A MINIMUM OF 5' FROM THE NEAREST JOINT.

Tapping Sleeve & Valve
NTS

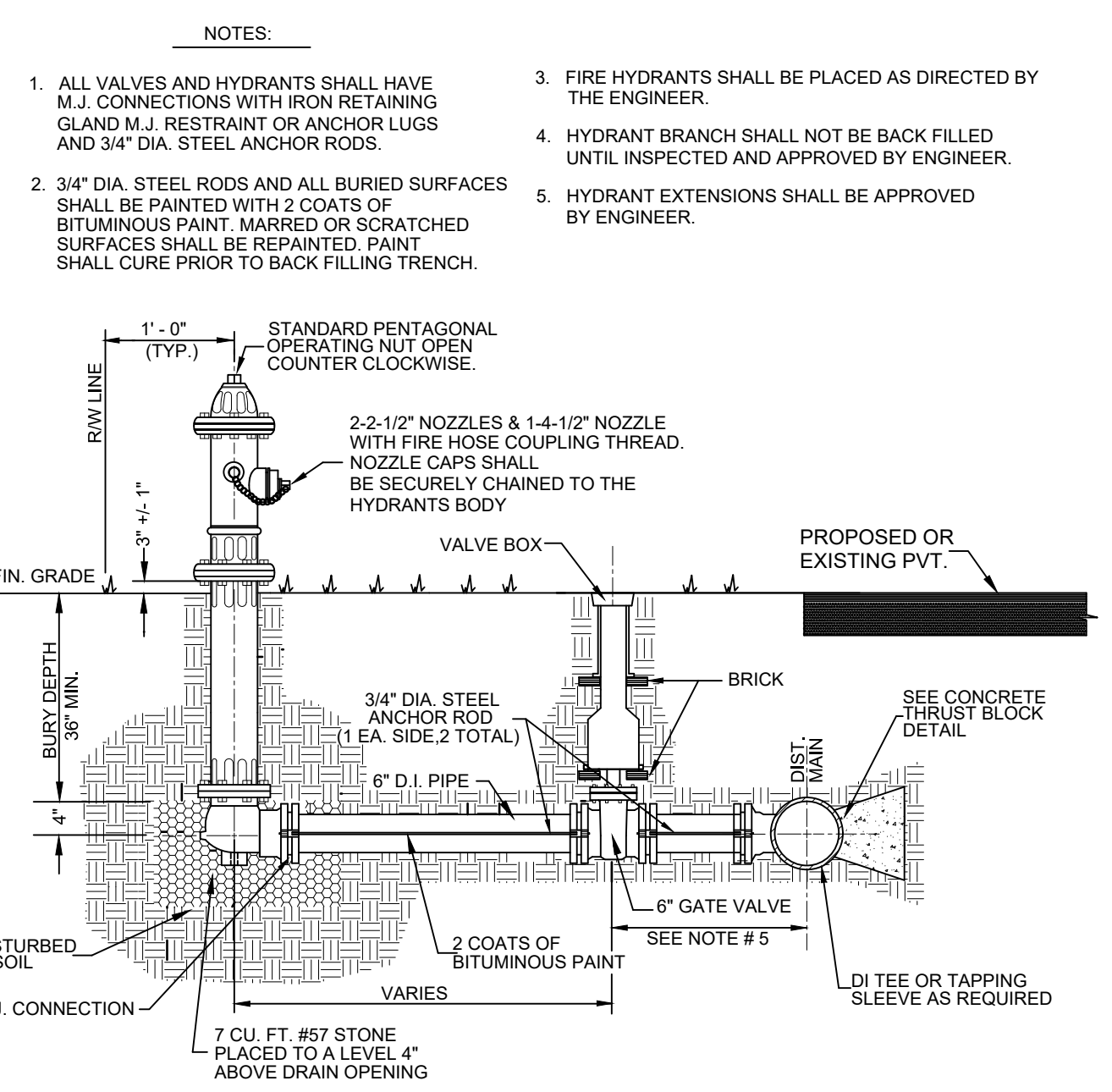


- NOTES:**
- ALL EXCAVATIONS SHALL COMPLY WITH THE TERMS AND CONDITIONS OF THE CONSTRUCTION STANDARDS FOR EXCAVATIONS IN OSHA SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, CHAPTER XV11 OF TITLE 29, CFR, PART 1926. THE CONTRACTOR SHALL HAVE A COMPETENT PERSON ON SITE AT ALL TIMES DURING EXCAVATION AND BACKFILLING.
 - CONTRACTOR SHALL USE TRENCH BOX SHORING IN ALL OPEN CUTS IN PAVED AREAS. TRENCH WIDTH SHALL BE MAINTAINED AT THE MINIMUM PRACTICAL WIDTH.
 - SEE PLANS FOR MINIMUM COVER.
 - LOOSE SOIL OR SELECT MATERIAL IS DEFINED AS "NATIVE" SOIL EXCAVATED FROM THE TRENCH, FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH.
 - BEDDING MATERIAL SHALL EXTEND TO UNDISTURBED TRENCH WALLS AND TRENCH BOTTOM. BEDDING MATERIAL WILL NOT BE PAID FOR UNLESS SPECIFICALLY APPROVED BY THE PROJECT REPRESENTATIVE AND ONLY FOR THE AUTHORIZED QUANTITY.
 - WHERE NATIVE SOIL IS DETERMINED TO BE ADEQUATE BY THE ENGINEER, NO EXCAVATION BELOW THE BOTTOM OF PIPE IS REQUIRED.
 - BEDDING MATERIAL SHALL BE PROPERLY RODDED AND COMPACTED AROUND THE PIPE HAUNCHES.
 - TEST FOR DENSITY OF COMPACTION MAY BE MADE AT THE OPTION OF THE ENGINEER AND DEFICIENCIES SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE ENGINEER MAY HAVE COMPACTION TEST PERFORMED AFTER THE BACKFILL IS COMPLETE. CONTRACTOR SHALL BE REQUIRED TO EXCAVATE TO VARIOUS ELEVATIONS FOR DENSITY TESTING EXCAVATION, BACKFILL AND RECOMPACTION SHALL BE PERFORMED AT NO ADDITIONAL COSTS TO THE OWNER.

WATER MAIN BEDDING DETAIL
NTS

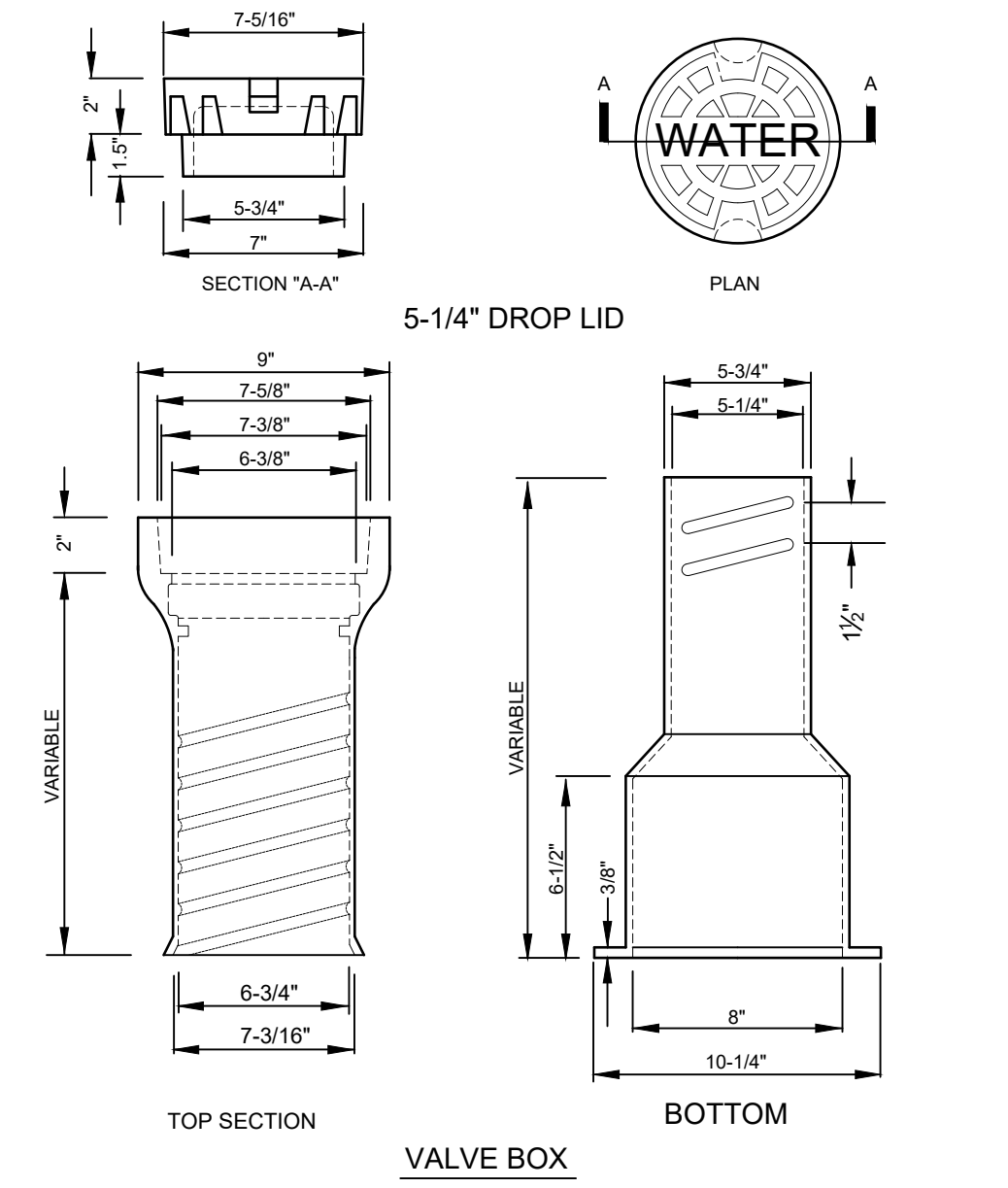
GENERAL NOTES:

- THE CONTRACTOR SHALL HAVE A COMPLETE SET OF CONTRACT DOCUMENTS AS WELL AS ALL PERMIT APPROVALS AND EASEMENTS ON THE JOB SITE AT ALL TIMES.
- ALL SHOP DRAWINGS MUST BE REVIEWED AND APPROVED BY ENGINEER BEFORE EQUIPMENT IS ORDERED.
- CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL UNDERGROUND UTILITIES. KNOWN EXISTING UTILITIES HAVE BEEN LOCATED FROM THE INFORMATION AVAILABLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCURATELY LOCATE BOTH HORIZONTALLY AND VERTICALLY ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE NC ONE CALL CENTER AT 800.632.4949. ALL COSTS ASSOCIATED WITH ANY DAMAGE TO KNOWN OR UNKNOWN EXISTING UTILITIES RESULTING FROM THE CONTRACTOR'S FAILURE TO ADEQUATELY PROTECT THE EXISTING UTILITIES DURING CONSTRUCTION SHALL BE BORNE SOLELY BY THE CONTRACTOR.
- CONTRACTOR SHALL MAKE EVERY EFFORT TO SAVE PROPERTY IRONS, MONUMENTS, OTHER PERMANENT POINTS AND LINES OF REFERENCE AND CONSTRUCTION STAKES. A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE SHALL REPLACE PROPERTY IRONS, MONUMENTS, AND OTHER PERMANENT POINTS OF REFERENCE DESTROYED BY THE CONTRACTOR.
- CONTRACTOR SHALL CLEAR AND GRUB ALL UTILITY EASEMENTS, AS DIRECTED BY THE OWNER, TO INSTALL NEW UTILITIES. ON ROADWAY RIGHT-OF-WAYS, THE CONTRACTOR SHALL ONLY REMOVE THE TREES MARKED ON THE PLANS AND SHALL MAKE EVERY EFFORT DURING CONSTRUCTION TO PROTECT THE TREES THAT WILL NOT BE REMOVED.
- THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN ALL NECESSARY EROSION CONTROL MEASURES WHETHER OR NOT SHOWN ON THE PLANS TO PROTECT ADJACENT CREEKS, RIVERS, ROADWAYS, ETC. FROM SILTATION AND EROSION.
- THE CONTRACTOR SHALL SUPPORT ALL UTILITY POLES AS NECESSARY. THE CONTRACTOR SHALL COORDINATE UTILITY POLE SUPPORT WITH THE APPROPRIATE UTILITY COMPANIES.
- CONTRACTOR SHALL RESTORE/REPLACE ALL SIGNS, MAILBOXES, ETC. ENCOUNTERED DURING CONSTRUCTION TO ORIGINAL CONDITION.
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO THE EXISTING GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- ALL DRIVEWAYS SHALL BE REPAIRED AS SOON AS CONSTRUCTION HAS PASSED. A MINIMUM OF 6" OF CABC SHALL BE USED FOR TEMPORARY REPAIR ON ASPHALT AND CONCRETE DRIVEWAYS UNTIL PERMANENT REPAIR CAN BE COMPLETED AND A MINIMUM OF 6" OF CABC SHALL BE USED AS PERMANENT REPAIR ON GRAVEL DRIVEWAYS.
- CONTRACTOR SHALL REPLACE WITH NEW ALL DRIVEWAY PIPES AND OTHER DRAINAGE PIPES/CULVERTS THAT ARE DISTURBED WHILE INSTALLING THE UTILITIES. ALL PIPE/CULVERTS SHALL MEET THE REQUIREMENTS OF NCDOT.
- ALL ROADWAY DITCHES DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION OR BETTER AND CONFORM TO NCDOT REQUIREMENTS. ALL DITCHES SHALL BE LINED WITH EROSION CONTROL MATTING UNLESS OTHERWISE NOTED.
- ALL EXCAVATED MATERIAL SHALL BE PLACED WITHIN THE LIMITS OF DISTURBANCE DURING UTILITY INSTALLATION. THE CONTRACTOR SHALL PROVIDE THE NECESSARY SEDIMENT AND EROSION CONTROL MEASURES TO CONTROL RUN-OFF. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED OF LEGALLY.
- HORIZONTAL DATUM IS NAD 83.
- VERTICAL DATUM IS NAVD 88.

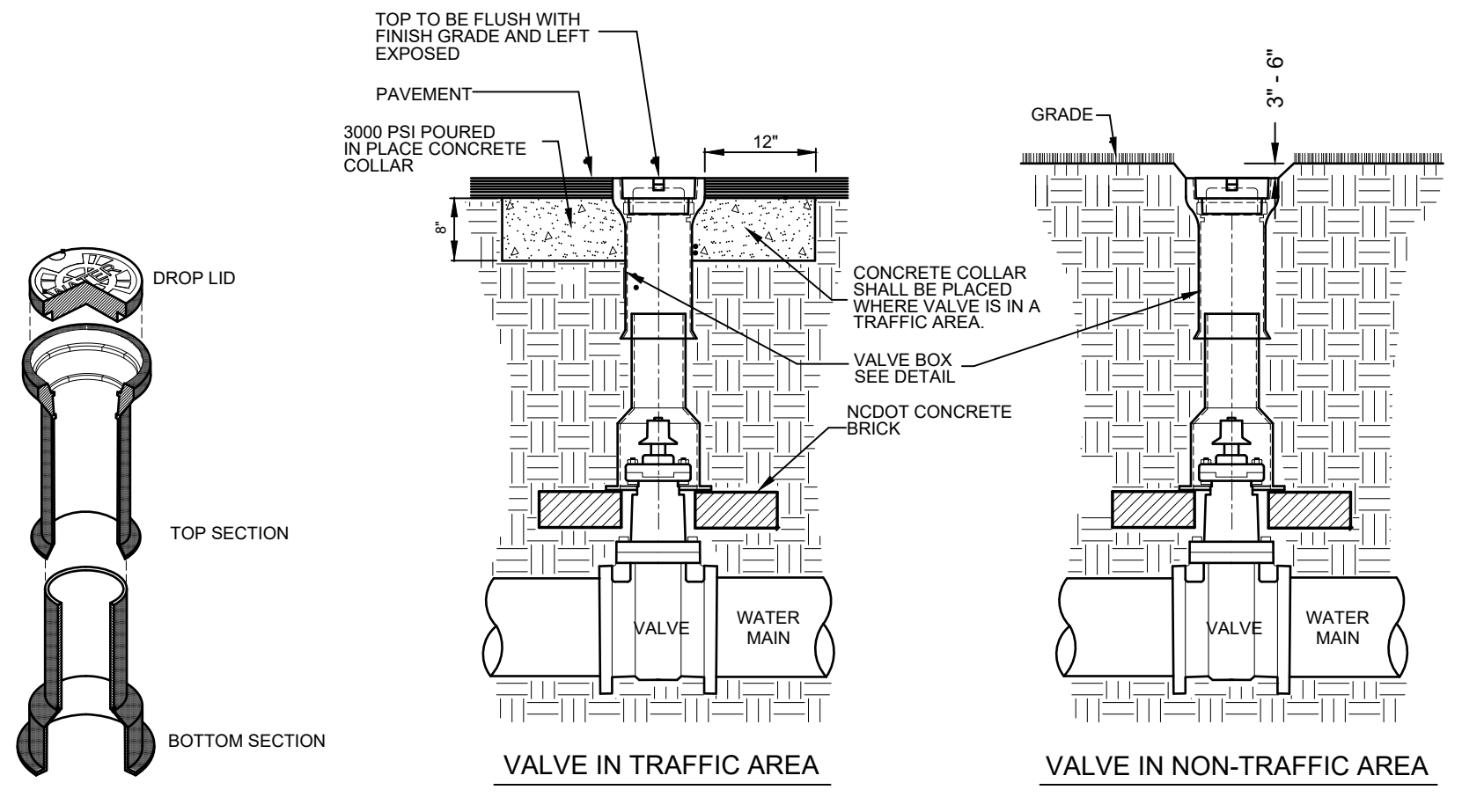


- NOTES:**
- ALL VALVES AND HYDRANTS SHALL HAVE M.J. CONNECTIONS WITH IRON RETAINING GLAND M.J. RESTRAINT OR ANCHOR LUGS AND 3/4" DIA. STEEL ANCHOR RODS.
 - 3/4" DIA. STEEL RODS AND ALL BURIED SURFACES SHALL BE PAINTED WITH 2 COATS OF BITUMINOUS PAINT. MARRED OR SCRATCHED SURFACES SHALL BE REPAINTED. PAINT SHALL CURE PRIOR TO BACK-FILLING TRENCH.
 - FIRE HYDRANTS SHALL BE PLACED AS DIRECTED BY THE ENGINEER.
 - HYDRANT BRANCH SHALL NOT BE BACK FILLED UNTIL INSPECTED AND APPROVED BY ENGINEER.
 - HYDRANT EXTENSIONS SHALL BE APPROVED BY ENGINEER.

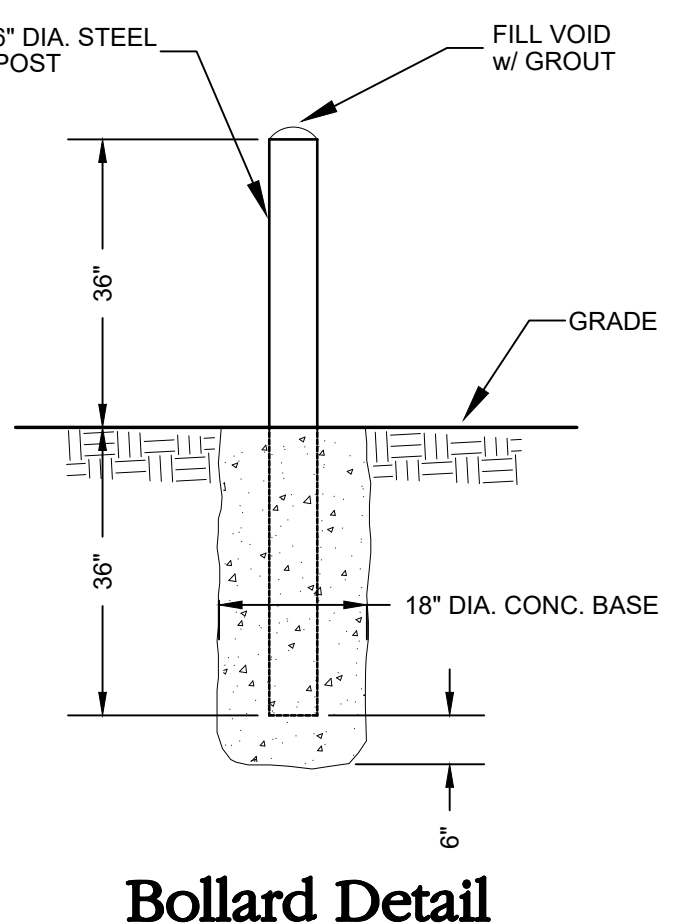
HYDRANT DETAIL
NTS



Valve Box Detail
NTS



Open Cut & Patch Detail
NTS



Bollard Detail
NTS

<input checked="" type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary Plat - Not for recordation, conveyances, or sales
<input type="checkbox"/>	Final Drawing - Not released for construction
<input type="checkbox"/>	Final Drawing - For Review Purposes Only
<input type="checkbox"/>	Final Drawing - Released For Construction

DESIGNED BY: **SN**
 DRAWN BY: **CB**
 CHECKED BY: **SN**
 DATE: **JANUARY 2023**
 SCALE: **AS SHOWN**
 FIELD BOOK: **-**
 FILE NO: **D-1**
 PROJECT NO: **-**

WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS
 208 EAST 5th STREET • LUMBERTON, N.C. 28358 • PHONE: 910-738-9376 • FAX: 910-738-9378 • LIC. NO.: F-1479 • E-MAIL: KNEngineering@att.net

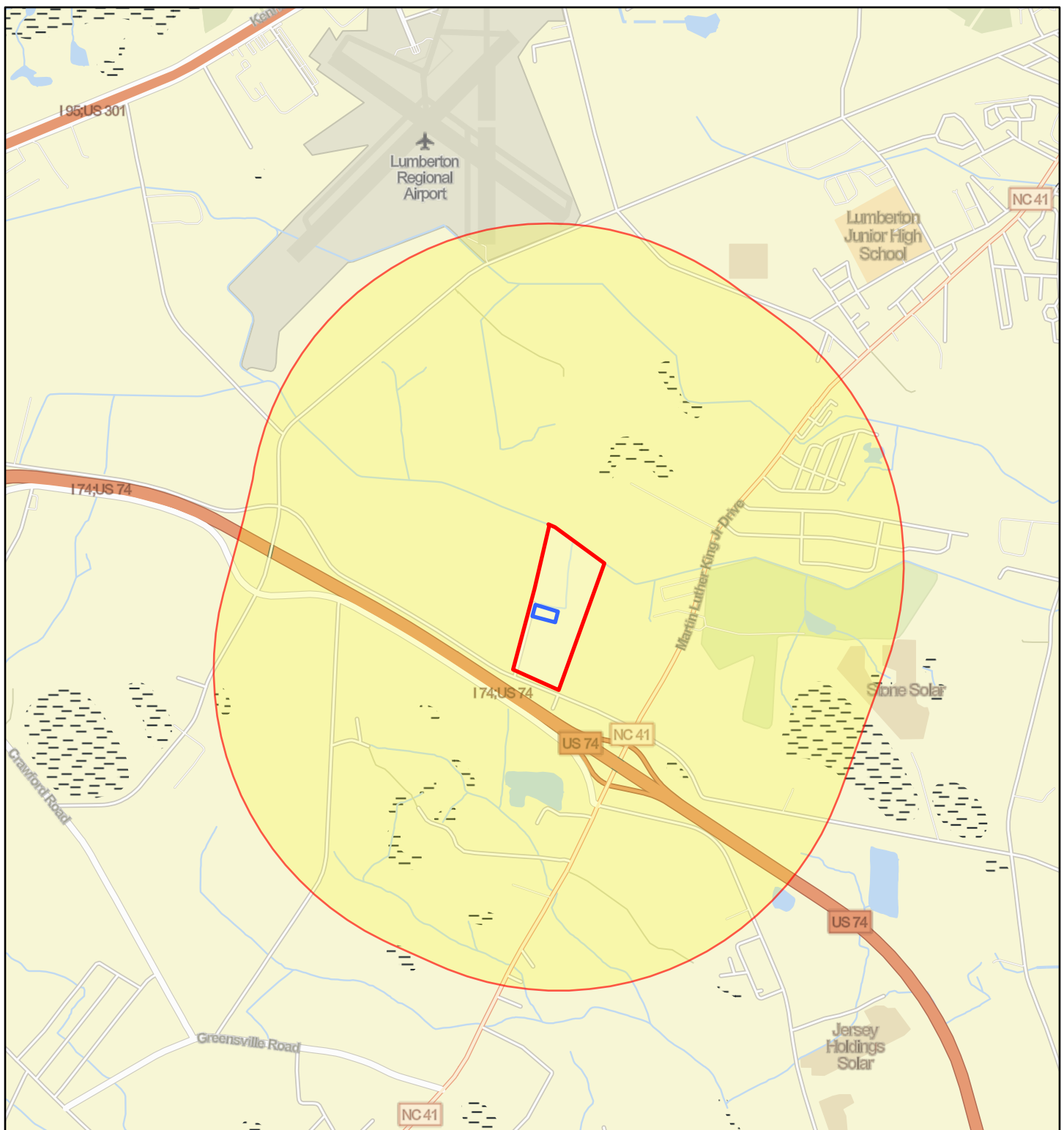
ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK - DETAILS

SHEET NO. **D-1**
 OF

Section 106 ATTACHMENT 2:





NRHP and HPOWEB Maps

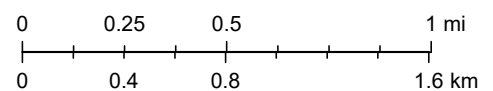
Legend Road Water Tank - NRHP Map (1-mile)



May 10, 2023

1:36,112

-  Excluded Parcel
-  Legend Road Water Tank - EPA Facilities
-  Buffer graphics
-  National Register of Historic Places



Map data © OpenStreetMap contributors, Microsoft, Facebook, Inc. and its affiliates, Esri Community Maps contributors, Map layer by Esri, EPA OEI, OFA

Legend Road Water Tank – HPOWEB





North Carolina Department of Public Safety

Office of Recovery and Resiliency

Roy Cooper, Governor
Eddie M. Buffaloe, Jr., Secretary

Laura H. Hogshead, Director

July 12, 2023

Chairman John Lowery
Lumbee Tribe of North Carolina
P.O. Box 2709
Pembroke, NC 28372

RE: NCORR - HUD CDBG-MIT Program
Legend Road Water Tank
176 Legend Road
Lumberton, NC 28358

Dear Chairman John Lowery:

The North Carolina Office of Recovery and Resiliency (NCORR) is notifying you as a representative of the Lumbee Tribe of North Carolina that an infrastructure improvement project is proposed within a potential area of interest to your Tribe. NCORR as a recipient of Community Development Block Grant – Mitigation (CDBG-MIT) funds from the United States Department of Housing and Urban Development (HUD) is considering funding this proposed project, the Legend Road Water Tank, located at 176 Legend Road, Lumberton, Robeson County, NC 28358.

The State of North Carolina was adversely impacted by the landfall of Hurricanes Matthew (October 8, 2016) and Florence (September 14, 2018). The proposed project is needed to prevent future water service interruptions as experienced during Hurricane Matthew and to allow for the continued operation of the public facilities located along Legend and Sanchez Roads during future storm events. During and immediately following Hurricane Matthew, potable water had to be transported to these facilities, both by truck and through individual bottled servings. The proposed project's installation of an elevated water storage tank in the vicinity of the Robeson County Emergency Operations Center, Sheriff's Office and Jail, Emergency Medical Services, Water Department, and Public Utilities buildings will avoid system pressure loss at these County facilities and the adjacent NC Department of Corrections' Lumberton Correctional Institution. In addition, the NC Division of Water Resources Public Water Supply section's water systems requirement to maintain a minimum pressure of 30 psi for normal conditions and 20 psi for fire flow will be achieved. It is critical for public health and continued operations that these facilities have adequate

Mailing Address:
Post Office Box 110465
Durham, NC 27709



Phone: (984) 833-5350
www.ncdps.gov
www.rebuild.nc.gov

water supply during emergencies and future storm events. Therefore, funding for the proposed project will be provided in part by the HUD CDBG- MIT North Carolina Infrastructure Recovery Program for Hurricanes Matthew and Florence storm recovery activities in North Carolina.

The proposed project will construct a 500,000-gallon elevated water storage tank, altitude valve vault, and associated water mains at this 60.96-acre County-owned parcel. The proposed project includes procurement of architectural/engineering services, soils testing, boundary surveys, and construction of improvements. Construction will involve extensive land clearing and excavation, trenching, placement of concrete foundations, installation of 500,000-gallon elevated water storage tank and piping, and connections to the existing 12-inch water main on Legend Road and the existing 8-inch water main that ties into Sanchez Road. The foundations shall be a mat or ring wall foundation with a depth not to exceed 10 feet below finish grade or pilings to a depth of not more than 65 feet. Two hundred feet of ductile iron pipe with neoprene gaskets will be installed where the water main passes within 100 feet of an existing underground fuel storage tank. Two 6-inch steel bollards will be installed at the proposed fire hydrant. There is an existing chain link fence and gate around the proposed project development area where the elevated water storage tank and altitude valve vault will be located. The proposed project will be completed in accordance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions.

The proposed project has been reviewed by the NC State Historic Preservation Office (SHPO) Office of State Archaeology and the Catawba Indian Nation. We wanted to notify you directly on this proposed project.

We appreciate the support the Lumbee Tribe has provided to the efforts of ReBuild NC and look forward to a continued productive relationship as we assist North Carolinians.

Respectfully,

DocuSigned by:
Laura H. Hogshead
FF541CADA7E48F

Laura H. Hogshead

1 From Please print and press hard.
 Date 7/12/23 Sender's FedEx Account Number 8950-9899-0
 Sender's Name Andrea Gievers Phone 845 682-1700
 Company NCORR
 Address 123 Kings Hill Road
 City Walden State NY ZIP 12586

2 Your Internal Billing Reference Legend Rd & St. Pauls

3 To Recipient's Name Chairman John Lowery Phone ()
 Company Lumbee Tribe of North Carolina
 Address PO Box 2709
 City Pembroke State NC ZIP 28372

Hold Weekday
 FedEx location address REQUIRED NOT available for FedEx First Overnight.
 Hold Saturday
 FedEx location address REQUIRED Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

4 Express Package Service *To meet locations. Packages up to 150 lbs. For packages over 150 lbs., use the FedEx Express Freight® Airbill.

Next Business Day	2 or 3 Business Days
<input type="checkbox"/> FedEx First Overnight Second business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.	<input type="checkbox"/> FedEx 2Day A.M. Second business morning. Saturday Delivery NOT available.
<input type="checkbox"/> FedEx Priority Overnight Next business morning. *1-day shipments will be delivered on Monday unless Saturday Delivery is selected.	<input checked="" type="checkbox"/> FedEx 2Day Second business afternoon. *Thursday shipments will be delivered on Monday unless Saturday Delivery is selected.
<input type="checkbox"/> FedEx Standard Overnight Next business afternoon. Saturday Delivery NOT available.	<input type="checkbox"/> FedEx Express Saver Third business day. Saturday Delivery NOT available.

5 Packaging *Declared value limit \$500.
 FedEx Envelope* FedEx Pak* FedEx Box FedEx Tube Other

6 Special Handling and Delivery Signature Options Fees may apply. See the FedEx Service Guide.

Saturday Delivery
 NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

No Signature Required
 Package may be left without obtaining a signature for delivery.

Direct Signature
 Someone at recipient's address may sign for delivery.

Indirect Signature
 If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only.

Does this shipment contain dangerous goods?
 No Yes (per associated Shipper's Declaration) Yes (Shipper's Declaration not required) Dry Ice (Dry Ice, 5, UN1845) _____ kg
 Restrictions apply for dangerous goods — see the current FedEx Service Guide. **Cargo Aircraft Only**

7 Payment Bill to: Enter FedEx Acct. No. below.
 Sender (Sender's Acct. No. will be billed) Recipient Third Party

Total Packages _____ Total Weight _____ lbs. _____ oz. Total Declared Value! _____
 *Our liability is limited to \$100 unless you declare a higher value. See back for details. By using this airbill you agree to the service conditions on the back of this airbill and in the current FedEx Service Guide, including terms that limit our liability.
 Rev. Date 1/22 - Part 4 10/2022 ©2022 FedEx • 1901022 IN U.S.A.



644

ATTACHMENT 12:

Sole Source Aquifers

EPA Sole Source Aquifer Map

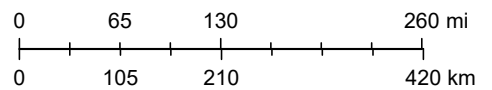
U.S. EPA Sole Source Aquifer Map



4/17/2023, 4:12:52 PM

1:9,244,649

 Sole_Source_Aquifers



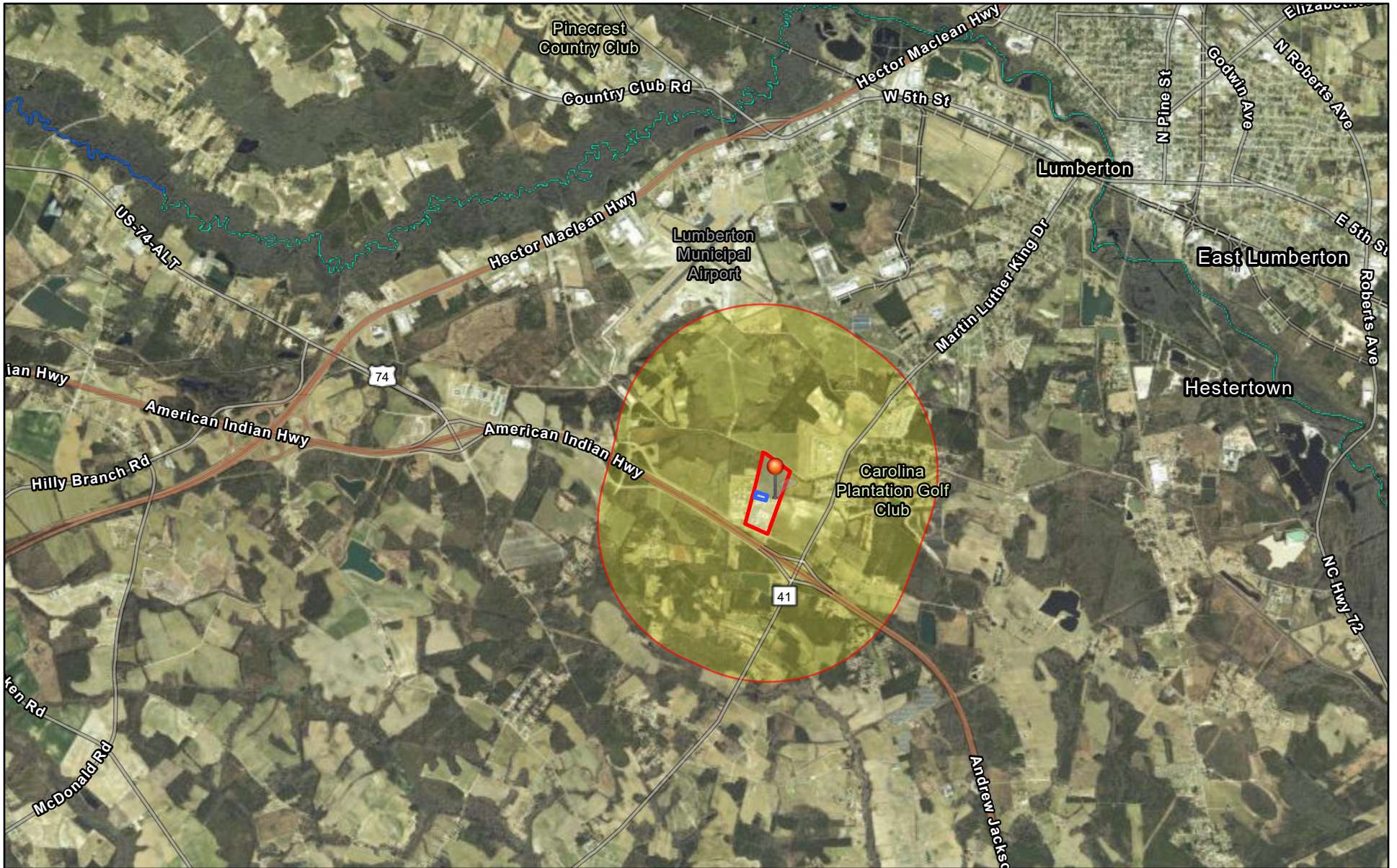
Esri, HERE, Garmin, NGA, USGS, NPS

ATTACHMENT 13:







Wild and Scenic Rivers

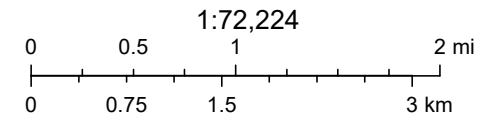
NEPAssist Map of DOI NPS Nationwide Rivers
Inventory and National Wild and Scenic Rivers System
Showing 1-mile Buffer from Proposed Project Site

Legend Road Water Tank - Wild and Scenic Rivers (1-mile)



May 10, 2023

-  HYDRO_NationwideRiversInventory_In
-  Legend Road Water Tank
-  Water Tank
-  Buffer graphics
-  Excluded Parcel
-  Wild and Scenic Rivers



National Park Service, peter_bonsall@nps.gov, State of North Carolina DOT, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS,

ATTACHMENT 14:

Environmental Justice

EJScreen Standard Report, EJScreen ACS
Summary Report, EJScreen Census 2010
Summary Report, EJScreen Community Report,
NC DEQ Community Mapping System Map,
and CDC Report for Robeson County

EJScreen Report (Version 2.11)



1 mile Ring around the Area, NORTH CAROLINA, EPA Region 4

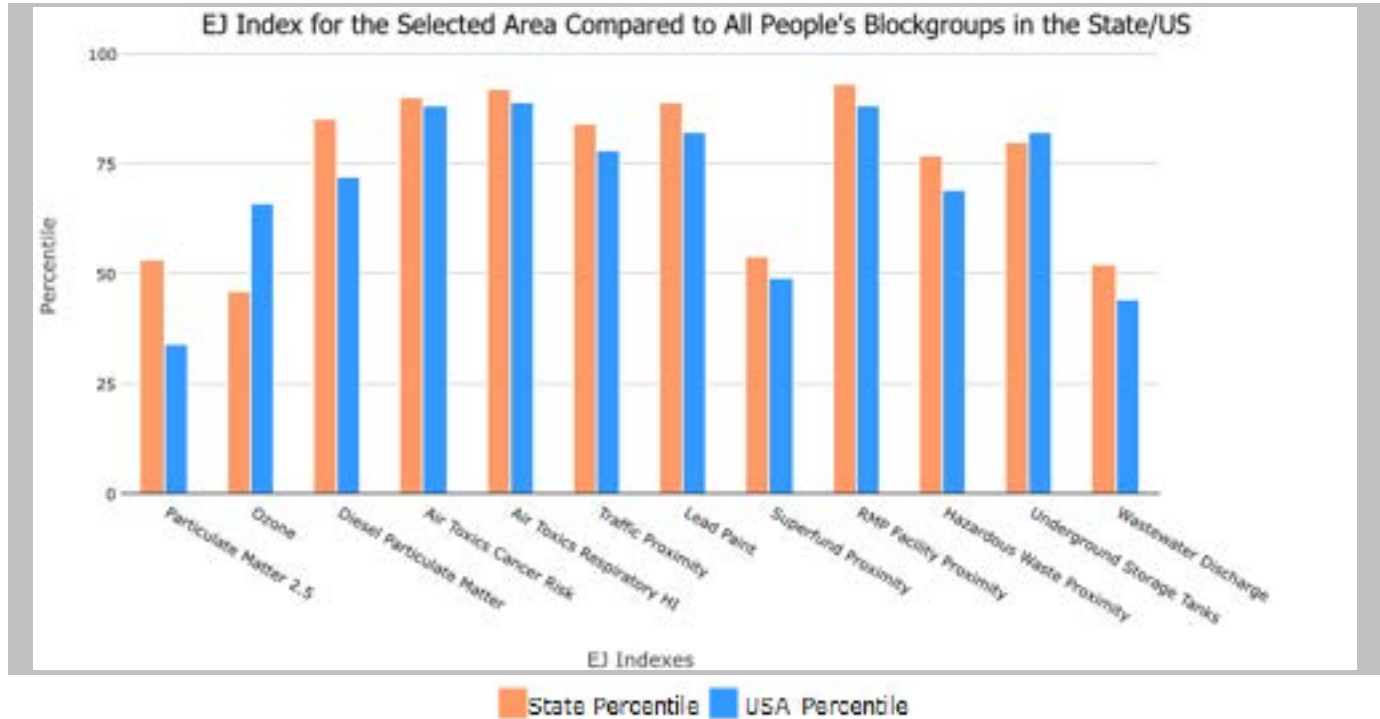
Approximate Population: 1,822

Input Area (sq. miles): 4.61

Legend Road Water Tank

Selected Variables	State Percentile	USA Percentile
Environmental Justice Indexes		
Particulate Matter 2.5 EJ index	53	34
Ozone EJ index	46	66
Diesel Particulate Matter EJ index*	85	72
Air Toxics Cancer Risk EJ index*	90	88
Air Toxics Respiratory HI EJ index*	92	89
Traffic Proximity EJ index	84	78
Lead Paint EJ index	89	82
Superfund Proximity EJ index	54	49
RMP Facility Proximity EJ index	93	88
Hazardous Waste Proximity EJ index	77	69
Underground Storage Tanks EJ index	80	82
Wastewater Discharge EJ index	52	44

EJ Indexes - The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.



*Diesel particular matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. Cancer risks and hazard indices from the Air Toxics Data Update are reported to one significant figure and any additional significant figures here are due to rounding. More information on the Air Toxics Data Update can be found at: <https://www.epa.gov/haps/air-toxics-data-update>.



1 mile Ring around the Area, NORTH CAROLINA, EPA Region 4

Approximate Population: 1,822

Input Area (sq. miles): 4.61

Legend Road Water Tank



Sites reporting to EPA	
Superfund NPL	0
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	0

EJScreen Report (Version 2.11)



1 mile Ring around the Area, NORTH CAROLINA, EPA Region 4

Approximate Population: 1,822

Input Area (sq. miles): 4.61

Legend Road Water Tank

Selected Variables	Value	State Avg.	%ile in State	USA Avg.	%ile in USA
Pollution and Sources					
Particulate Matter 2.5 ($\mu\text{g}/\text{m}^3$)	6.77	7.67	21	8.67	10
Ozone (ppb)	39.2	41.5	17	42.5	28
Diesel Particulate Matter* ($\mu\text{g}/\text{m}^3$)	0.192	0.178	61	0.294	<50th
Air Toxics Cancer Risk* (lifetime risk per million)	30	28	95	28	80-90th
Air Toxics Respiratory HI*	0.4	0.36	94	0.36	80-90th
Traffic Proximity (daily traffic count/distance to road)	300	400	67	760	55
Lead Paint (% Pre-1960 Housing)	0.22	0.15	69	0.27	50
Superfund Proximity (site count/km distance)	0.019	0.08	20	0.13	17
RMP Facility Proximity (facility count/km distance)	0.98	0.41	89	0.77	74
Hazardous Waste Proximity (facility count/km distance)	0.31	0.83	49	2.2	38
Underground Storage Tanks (count/km ²)	1.8	3.9	56	3.9	57
Wastewater Discharge (toxicity-weighted concentration/m distance)	8.8E-06	0.28	25	12	17
Socioeconomic Indicators					
Demographic Index	67%	35%	89	35%	87
Supplemental Demographic Index	23%	15%	87	15%	85
People of Color	79%	37%	89	40%	83
Low Income	56%	33%	84	30%	85
Unemployment Rate	5%	5%	61	5%	61
Limited English Speaking Households	0%	2%	0	5%	0
Less Than High School Education	34%	11%	96	12%	93
Under Age 5	5%	6%	51	6%	49
Over Age 64	15%	16%	46	16%	49
Low Life Expectancy	26%	21%	92	20%	92

EJScreen is a screening tool for pre-decisional use only. It can help identify areas that may warrant additional consideration, analysis, or outreach. It does not provide a basis for decision-making, but it may help identify potential areas of EJ concern. Users should keep in mind that screening tools are subject to substantial uncertainty in their demographic and environmental data, particularly when looking at small geographic areas. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJScreen documentation for discussion of these issues before using reports. This screening tool does not provide data on every environmental impact and demographic factor that may be relevant to a particular location. EJScreen outputs should be supplemented with additional information and local knowledge before taking any action to address potential EJ concerns.



1 mile Ring around the Area, NORTH CAROLINA, EPA Region 4

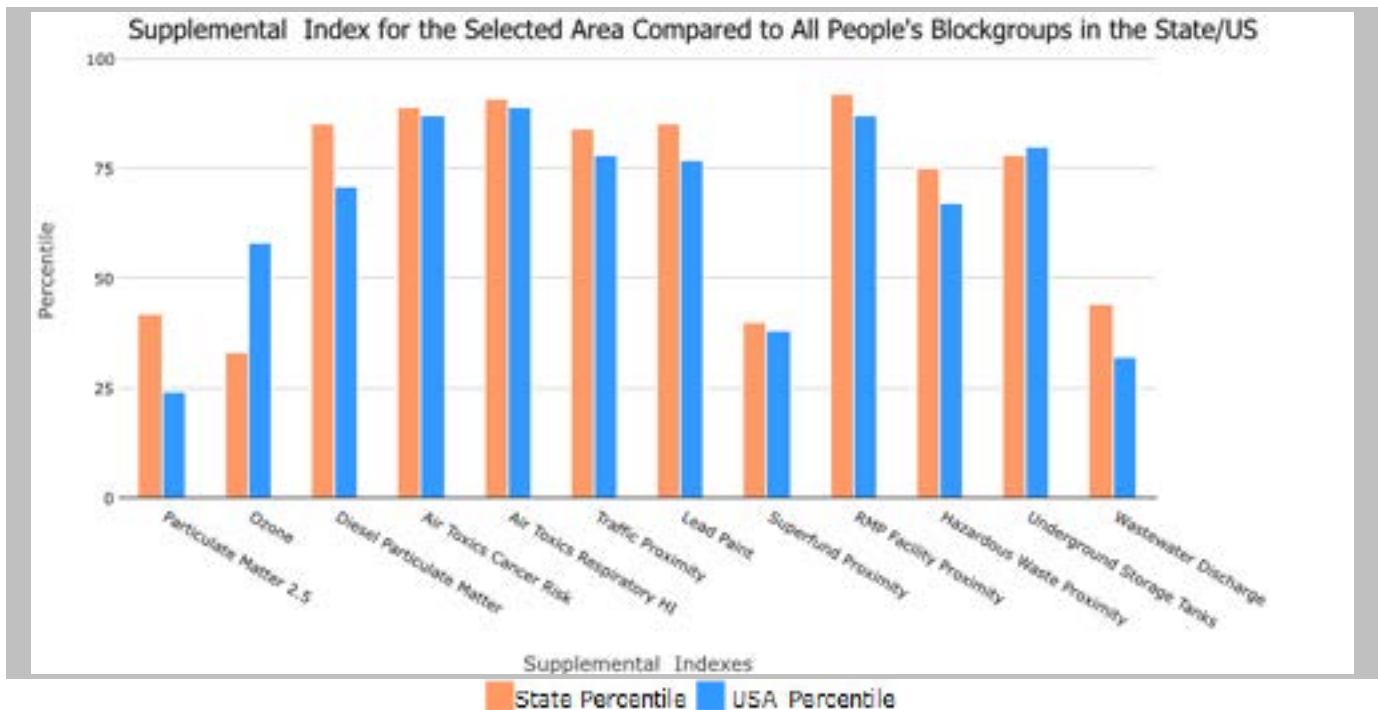
Approximate Population: 1,822

Input Area (sq. miles): 4.61

Legend Road Water Tank

Selected Variables	State Percentile	USA Percentile
Supplemental Indexes		
Particulate Matter 2.5 Supplemental Index	42	24
Ozone Supplemental Index	33	58
Diesel Particulate Matter Supplemental Index*	85	71
Air Toxics Cancer Risk Supplemental Index*	89	87
Air Toxics Respiratory HI Supplemental Index*	91	89
Traffic Proximity Supplemental Index	84	78
Lead Paint Supplemental Index	85	77
Superfund Proximity Supplemental Index	40	38
RMP Facility Proximity Supplemental Index	92	87
Hazardous Waste Proximity Supplemental Index	75	67
Underground Storage Tanks Supplemental Index	78	80
Wastewater Discharge Supplemental Index	44	32

Supplemental Indexes - The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on low-income, limited English speaking, less than high school education, unemployed, and low life expectancy populations with a single environmental indicator.



This report shows the values for environmental and demographic indicators, EJScreen indexes, and supplemental indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJScreen documentation for discussion of these issues before using reports. For additional information, see: www.epa.gov/environmentaljustice.



Location: User-specified polygonal location
 Ring (buffer): 1-miles radius
 Description: Legend Road Water Tank

Summary of ACS Estimates		2016 - 2020
Population		1,822
Population Density (per sq. mile)		357
People of Color Population		1,440
% People of Color Population		79%
Households		333
Housing Units		443
Housing Units Built Before 1950		31
Per Capita Income		23,735
Land Area (sq. miles) (Source: SF1)		5.11
% Land Area		100%
Water Area (sq. miles) (Source: SF1)		0.01
% Water Area		0%

	2016 - 2020 ACS Estimates	Percent	MOE (±)
Population by Race			
Total	1,822	100%	306
Population Reporting One Race	1,813	100%	739
White	389	21%	138
Black	1,028	56%	206
American Indian	303	17%	206
Asian	12	1%	88
Pacific Islander	0	0%	13
Some Other Race	81	4%	88
Population Reporting Two or More Races	9	0%	44
Total Hispanic Population	88	5%	148
Total Non-Hispanic Population	1,734		
White Alone	382	21%	138
Black Alone	1,028	56%	206
American Indian Alone	303	17%	206
Non-Hispanic Asian Alone	12	1%	88
Pacific Islander Alone	0	0%	13
Other Race Alone	0	0%	13
Two or More Races Alone	9	0%	44
Population by Sex			
Male	1,207	66%	207
Female	615	34%	191
Population by Age			
Age 0-4	89	5%	81
Age 0-17	252	14%	127
Age 18+	1,570	86%	222
Age 65+	278	15%	115

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race.

N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS) 2016 - 2020



Location: User-specified polygonal location
 Ring (buffer): 1-miles radius
 Description: Legend Road Water Tank

	2016 - 2020 ACS Estimates	Percent	MOE (±)
Population 25+ by Educational Attainment			
Total	1,486	100%	258
Less than 9th Grade	161	11%	79
9th - 12th Grade, No Diploma	348	23%	106
High School Graduate	491	33%	123
Some College, No Degree	338	23%	114
Associate Degree	65	4%	73
Bachelor's Degree or more	83	6%	69
Population Age 5+ Years by Ability to Speak English			
Total	1,733	100%	288
Speak only English	1,643	95%	259
Non-English at Home ¹⁺²⁺³⁺⁴	90	5%	85
¹ Speak English "very well"	69	4%	82
² Speak English "well"	0	0%	19
³ Speak English "not well"	2	0%	34
⁴ Speak English "not at all"	19	1%	39
³⁺⁴ Speak English "less than well"	21	1%	39
²⁺³⁺⁴ Speak English "less than very well"	21	1%	39
Linguistically Isolated Households*			
Total	0	100%	34
Speak Spanish	0	100%	31
Speak Other Indo-European Languages	0	0%	13
Speak Asian-Pacific Island Languages	0	0%	13
Speak Other Languages	0	0%	13
Households by Household Income			
Household Income Base	333	100%	137
< \$15,000	98	30%	105
\$15,000 - \$25,000	34	10%	65
\$25,000 - \$50,000	85	26%	68
\$50,000 - \$75,000	59	18%	107
\$75,000 +	56	17%	67
Occupied Housing Units by Tenure			
Total	333	100%	137
Owner Occupied	199	60%	87
Renter Occupied	134	40%	126
Employed Population Age 16+ Years			
Total	1,598	100%	268
In Labor Force	407	25%	167
Civilian Unemployed in Labor Force	22	1%	43
Not In Labor Force	1,192	75%	217

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of anyrace.

N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS)

*Households in which no one 14 and over speaks English "very well" or speaks English only.



Location: User-specified polygonal location
 Ring (buffer): 1-miles radius
 Description: Legend Road Water Tank

	2016 - 2020 ACS Estimates	Percent	MOE (±)
Population by Language Spoken at Home*			
Total (persons age 5 and above)	1,400	100%	386
English	1,309	93%	375
Spanish	86	6%	100
French, Haitian, or Cajun	0	0%	13
German or other West Germanic	1	0%	4
Russian, Polish, or Other Slavic	0	0%	13
Other Indo-European	0	0%	13
Korean	0	0%	13
Chinese (including Mandarin, Cantonese)	0	0%	13
Vietnamese	4	0%	12
Tagalog (including Filipino)	0	0%	13
Other Asian and Pacific Island	0	0%	13
Arabic	0	0%	13
Other and Unspecified	0	0%	13
Total Non-English	91	7%	538

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race.
 N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS) 2016 - 2020.
 *Population by Language Spoken at Home is available at the census tract summary level and up.



Location: User-specified polygonal location
 Ring (buffer): 1-miles radius
 Description: Legend Road Water Tank

Summary	Census 2010
Population	2,189
Population Density (per sq. mile)	434
People of Color Population	1,854
% People of Color Population	85%
Households	384
Housing Units	427
Land Area (sq. miles)	5.04
% Land Area	100%
Water Area (sq. miles)	0.01
% Water Area	0%

Population by Race	Number	Percent
Total	2,189	-----
Population Reporting One Race	2,163	99%
White	379	17%
Black	1,356	62%
American Indian	355	16%
Asian	8	0%
Pacific Islander	0	0%
Some Other Race	65	3%
Population Reporting Two or More Races	26	1%
Total Hispanic Population	123	6%
Total Non-Hispanic Population	2,066	94%
White Alone	335	15%
Black Alone	1,346	61%
American Indian Alone	353	16%
Non-Hispanic Asian Alone	5	0%
Pacific Islander Alone	0	0%
Other Race Alone	3	0%
Two or More Races Alone	24	1%

Population by Sex	Number	Percent
Male	1,420	65%
Female	769	35%

Population by Age	Number	Percent
Age 0-4	97	4%
Age 0-17	363	17%
Age 18+	1,826	83%
Age 65+	203	9%

Households by Tenure	Number	Percent
Total	384	
Owner Occupied	205	53%
Renter Occupied	179	47%

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race.

Source: U.S. Census Bureau, Census 2010 Summary File 1.



EJScreen Community Report

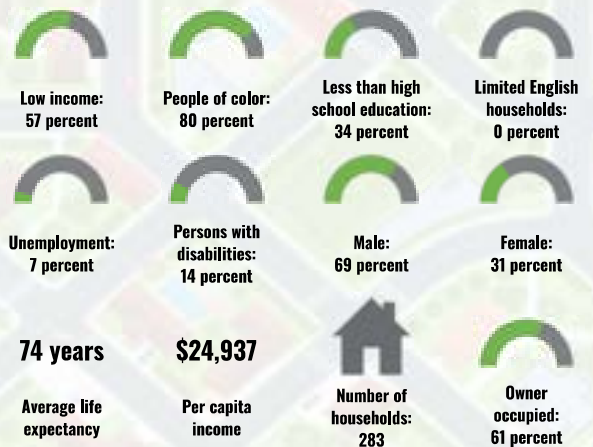
This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

Lumberton, NC

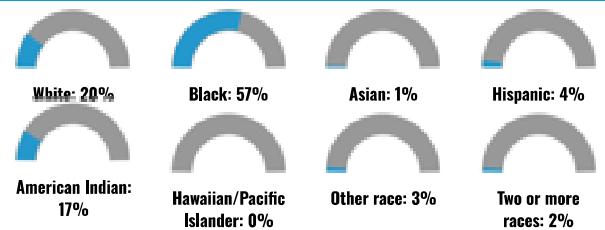
1 mile Ring around the Area
 Population: 1,629
 Area in square miles: 4.61



COMMUNITY INFORMATION



BREAKDOWN BY RACE



LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	92%
Spanish	8%
Total Non-English	8%

BREAKDOWN BY AGE



LIMITED ENGLISH SPEAKING BREAKDOWN



Notes: Numbers may not sum to totals due to rounding. Hispanic population can be of any race. Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021. Life expectancy data comes from the Centers for Disease Control.

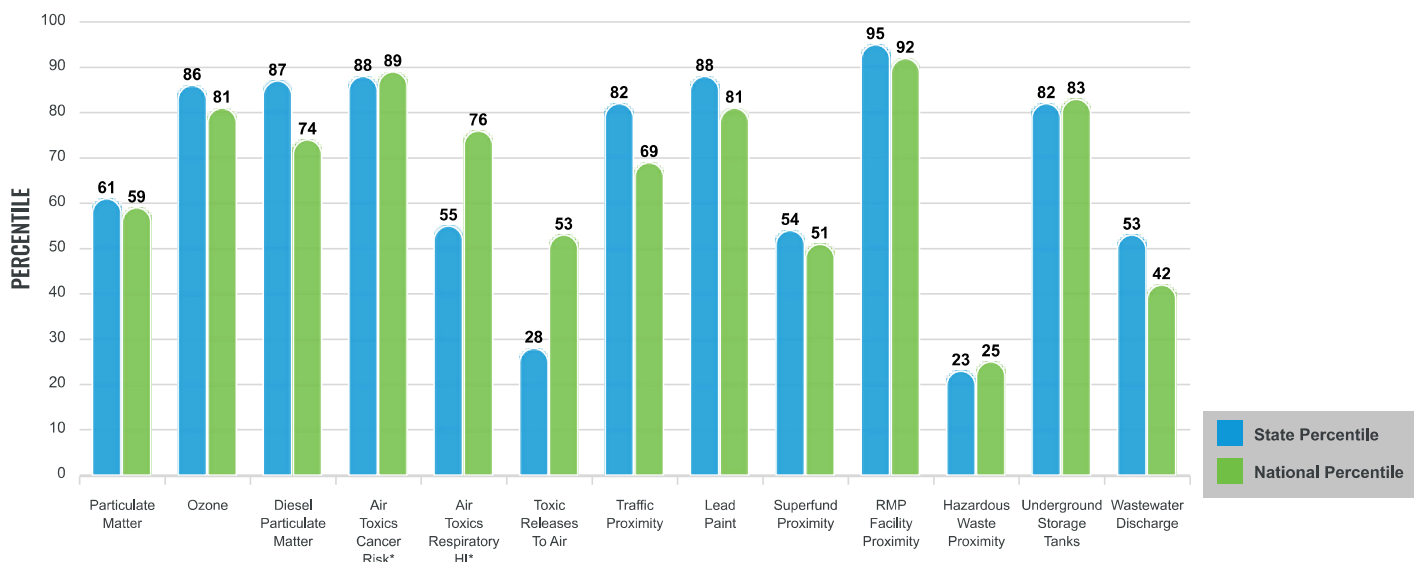
Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. There are thirteen EJ indexes and supplemental indexes in EJScreen reflecting the 13 environmental indicators. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information and calculation details on the EJ and supplemental indexes, please visit the [EJScreen website](#).

EJ INDEXES

The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.

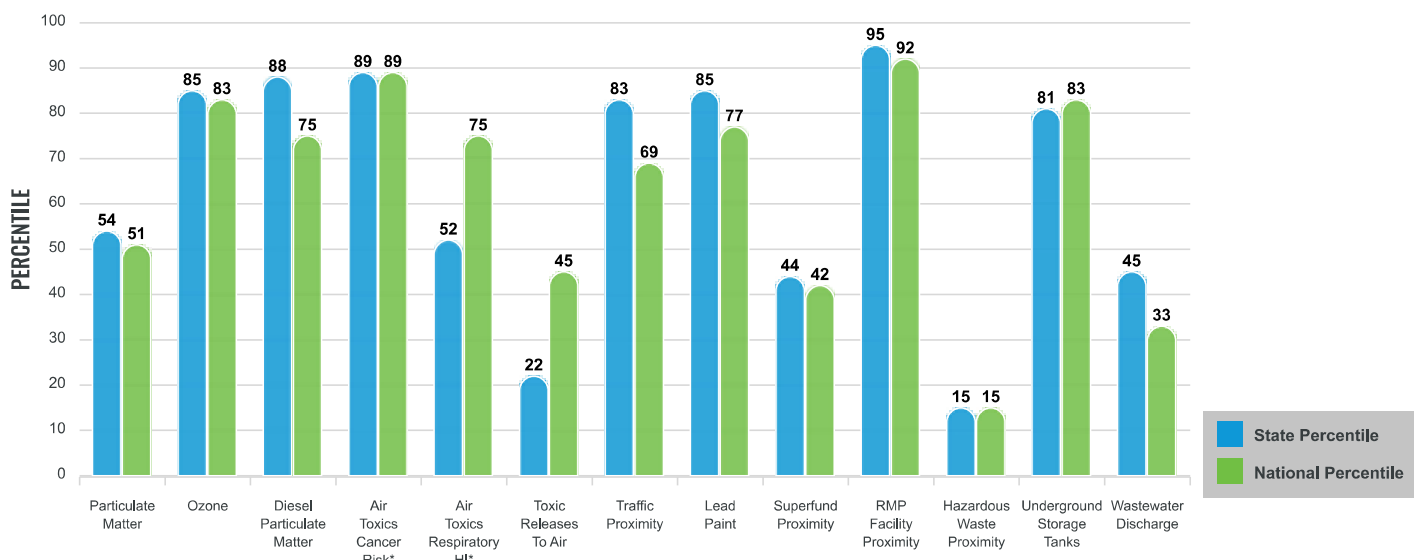
EJ INDEXES FOR THE SELECTED LOCATION



SUPPLEMENTAL INDEXES

The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on percent low-income, percent linguistically isolated, percent less than high school education, percent unemployed, and low life expectancy with a single environmental indicator.

SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION



These percentiles provide perspective on how the selected block group or buffer area compares to the entire state or nation.

Report for 1 mile Ring around the Area

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter (µg/m ³)	7.12	7.8	25	8.08	23
Ozone (ppb)	60.9	61.7	52	61.6	49
Diesel Particulate Matter (µg/m ³)	0.181	0.168	60	0.261	40
Air Toxics Cancer Risk* (lifetime risk per million)	29	27	1	25	5
Air Toxics Respiratory HI*	0.3	0.34	9	0.31	31
Toxic Releases to Air	62	3,100	10	4,600	19
Traffic Proximity (daily traffic count/distance to road)	43	79	55	210	37
Lead Paint (% Pre-1960 Housing)	0.19	0.17	65	0.3	47
Superfund Proximity (site count/km distance)	0.019	0.081	20	0.13	17
RMP Facility Proximity (facility count/km distance)	0.67	0.26	90	0.43	81
Hazardous Waste Proximity (facility count/km distance)	0.038	0.52	7	1.9	6
Underground Storage Tanks (count/km ²)	1.8	3.9	56	3.9	57
Wastewater Discharge (toxicity-weighted concentration/m distance)	5.3E-06	0.25	22	22	14
SOCIOECONOMIC INDICATORS					
Demographic Index	70%	36%	92	35%	90
Supplemental Demographic Index	25%	15%	91	14%	89
People of Color	80%	37%	89	39%	83
Low Income	57%	34%	85	31%	86
Unemployment Rate	7%	6%	70	6%	70
Limited English Speaking Households	0%	2%	0	5%	0
Less Than High School Education	34%	12%	96	12%	94
Under Age 5	5%	5%	54	6%	52
Over Age 64	14%	18%	41	17%	45
Low Life Expectancy	26%	21%	92	20%	92

*Diesel particulate matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. Cancer risks and hazard indices from the Air Toxics Data Update are reported to one significant figure and any additional significant figures here are due to rounding. More information on the Air Toxics Data Update can be found at: <https://www.epa.gov/haps/air-toxics-data-update>.

Sites reporting to EPA within defined area:

Superfund	0
Hazardous Waste, Treatment, Storage, and Disposal Facilities	0
Water Dischargers	1
Air Pollution	0
Brownfields	0
Toxic Release Inventory	0

Other community features within defined area:

Schools	0
Hospitals	0
Places of Worship	1

Other environmental data:

Air Non-attainment	No
Impaired Waters	No

Selected location contains American Indian Reservation Lands*	No
Selected location contains a "Justice40 (CEJST)" disadvantaged community	Yes
Selected location contains an EPA IRA disadvantaged community	Yes

Report for 1 mile Ring around the Area

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS

INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	26%	21%	92	20%	92
Heart Disease	8.6	6.5	87	6.1	90
Asthma	12.5	9.4	98	10	93
Cancer	4.9	6.2	17	6.1	22
Persons with Disabilities	16.4%	14%	66	13.4%	72

CLIMATE INDICATORS

INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	23%	10%	93	12%	87
Wildfire Risk	71%	9%	92	14%	88

CRITICAL SERVICE GAPS

INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	37%	16%	91	14%	94
Lack of Health Insurance	15%	11%	76	9%	83
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	Yes	N/A	N/A	N/A	N/A
Food Desert	Yes	N/A	N/A	N/A	N/A

Footnotes

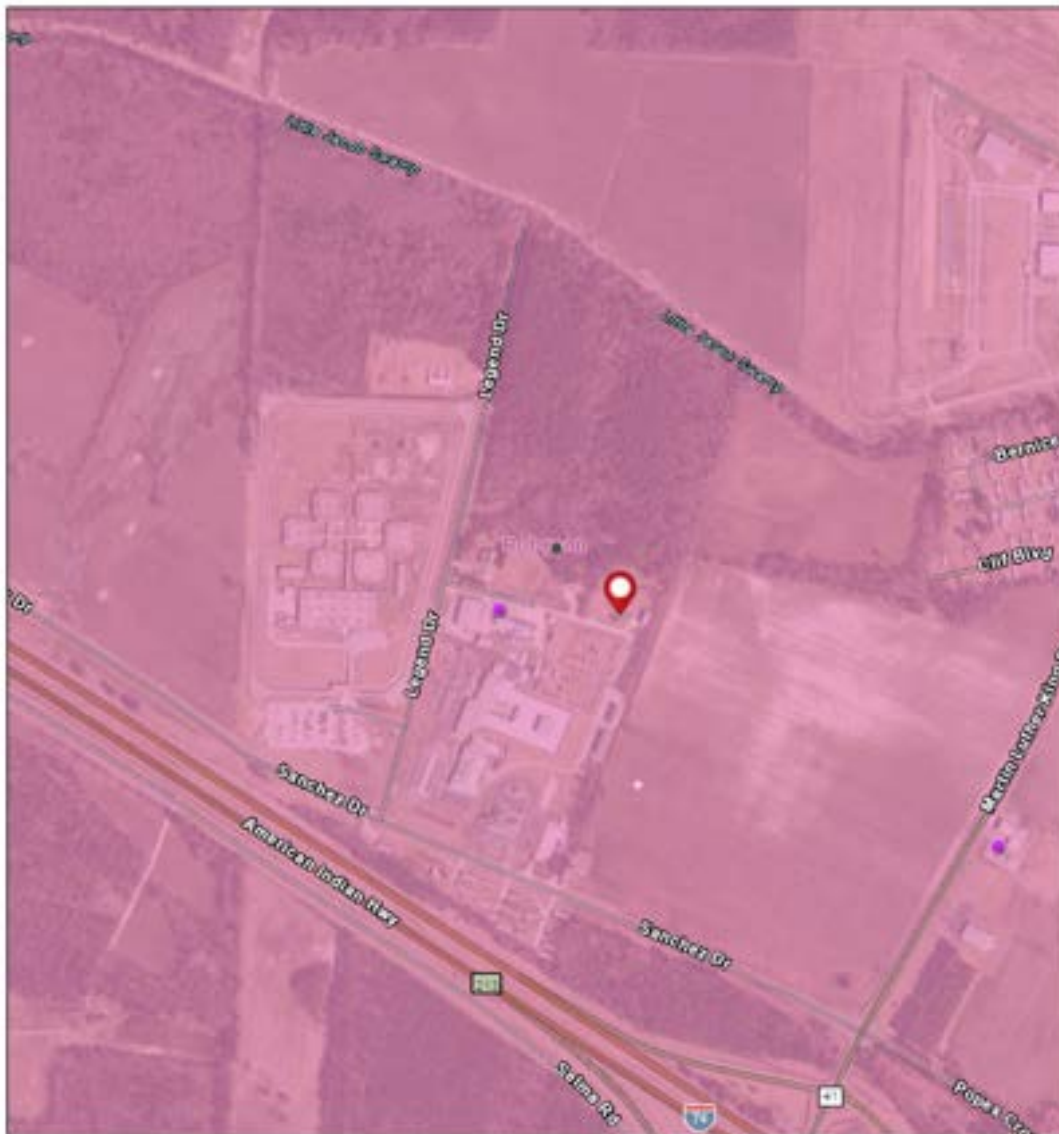
Report for 1 mile Ring around the Area



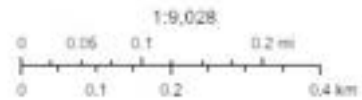
NCDEQ Facility Screening Report - Legend Road Water Tank

Area of Interest (AOI) Information

May 11 2023 11:42:26 Eastern Daylight Time



- Underground Storage Tank Active Facilities
- Tribal Boundaries
- NC DEQ's Potentially Underserved Block Groups 2019
- State Only
- census2017acs - by Block Group
- County Boundary



NC DOT GIS Unit, Source: Esri, DeLorme, Earthstar Geographics, and the GIS User Community, Esri Community Map Contributors, State of North Carolina DOT, © OpenStreetMap contributors, Esri, HERE, Garmin, Swisstopo, GeoTechnologies, Inc., IGN/CNRS, U.S.G.S., ERSI, NPS, US Census Bureau.

Summary

Name	Count	Area(ft ²)	Length(mi)
Air Quality Permit Sites	0	N/A	N/A
NPDES Wastewater Treatment Facility Permits	0	N/A	N/A
Animal Feed Operation Permits (View)	0	N/A	N/A
Solid Waste Septage Sites	0	N/A	N/A
Coal Ash Structural Fills (CCB) (Closed)	0	N/A	N/A
Contaminated Dry-Cleaning Sites	0	N/A	N/A
Land Clearing and Inert Debris (LCID) Notifications	0	N/A	N/A
Pre-Regulatory Landfill Sites	0	N/A	N/A
Brownfields Program Sites	0	N/A	N/A
Hazardous Waste Sites	0	N/A	N/A
Underground Storage Tank Incidents	0	N/A	N/A
Above Ground Storage Tank Incidents	0	N/A	N/A
Underground Storage Tank Active Facilities	0	N/A	N/A
Petroleum Contaminated Soil Remediation Permits	0	N/A	N/A
NPDES Stormwater Permits	0	N/A	N/A
Permitted Solid Waste Landfills (Open and Closed)	0	N/A	N/A
Federal Remediation Branch	0	N/A	N/A
NC Mining Permits	0	N/A	N/A

The North Carolina Department of Environmental Quality (NCDEQ) makes these documents available on an "as is" basis. All warranties and representations of any kind with regard to said documents are disclaimed, including the implied warranties of merchantability and fitness for a particular use. Under no circumstances will the NCDEQ, or any of its officers or employees be liable for any consequential, incidental, special or exemplary damages even if apprised of the likelihood of such damages occurring. The NCDEQ does not warrant the documents against deficiencies of any kind. The use of any of these documents for work which is under contract with the NCDEQ, does not relieve the contractor from any obligations assumed by the contract or from complete and proper fulfillment of the terms of the contract, nor does it entitle the contractor to compensation for damages or loss which could be attributed to such use.



The places where you live, work, and play may affect your health.

You can use this **Info by Location** tool to get a snapshot of some of the environmental health issues for your area.

Enter a county name.

Robeson, NC

Don't know the county name? Type in a zip code instead.

SUBMIT

Select Topics (optional) »

Robeson County, North Carolina[†]



POPULATION: 134,956

INCOME

Average Household Income

Robeson County: \$36,366

North Carolina: \$57,388

Residents who live below the poverty line



26.6%

Robeson County

12.9%

North Carolina

QUICK FACTS:

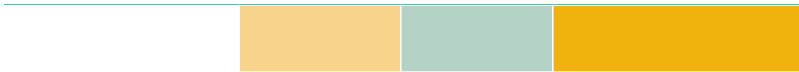
Out of 10 people living in this county

SEX



5 are male & 5 are female

AGE



About 3 are between the ages of 0 and 19 years

About 2 are between the ages of 20 and 34 years

About 2 are between the ages of 35 and 49 years

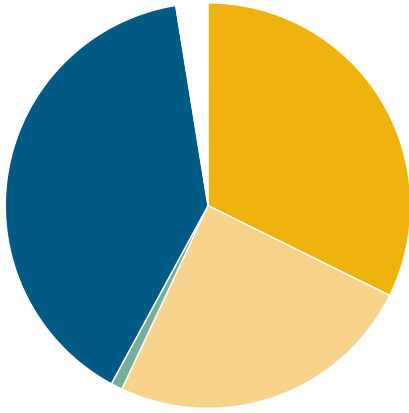
About 3 are 50 years and older

ETHNICITY



1 are Hispanic and 9 are non-Hispanic

RACE



<https://twitter.com/share?>

ephrtracking.cdc.gov/InfoByLocation%2F&text=Check%20out%20environmental%20health%20in%20your%20county&hashtags=PublicHealth,Tracking

out%20the%20people%20in%20my%20county.%20Visit%20https://ephrtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county.)

Discover the data ([../DataExplorer?query=C7380B65-728D-4621-A122-47283CF8B444&G5=9999](https://ephrtracking.cdc.gov/DataExplorer?query=C7380B65-728D-4621-A122-47283CF8B444&G5=9999)) | Learn more about this topic ([/showPcMain.action](#))

† 2020 data from the National Environmental Public Health Tracking Network ([/showHome.action](#))



Asthma[†]

Percent of **adults** who currently have asthma

7.8%

7.0%

North Carolina

National

Asthma is a chronic disease that affects the airways that carry oxygen in and out of the lungs. Asthma can cause

- shortness of breath,
- wheezing,
- coughing, and
- tightness in the chest.

Asthma attacks have been linked to many factors, including exposure to environmental hazards like

- allergens,
- tobacco smoke, and
- indoor and outdoor air pollution.

Asthma can be controlled by taking medication and avoiding triggers that can cause an attack.

<https://twitter.com/share?>

<https://twitter.com/share?%3A%2F%2Fephrtracking.cdc.gov%2FInfoByLocation%2F&text=Check%20out%20environmental%20health%20in%20your%20county&hashtags=PublicHealth,Tracking>

[out%20the%20people%20in%20my%20county.%20Visit%20https://ephrtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county.](https://twitter.com/share?out%20the%20people%20in%20my%20county.%20Visit%20https://ephrtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county.)

Discover the data ([/.. /DataExplorer/?query=1F12A3B5-E744-4857-9110-401524CC8D8E&fips=37&G5=9999](https://ephrtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county.)) | Learn more about this topic ([/showAsthma.action](#))

† 2020 data from the National Environmental Public Health Tracking Network ([/showHome.action](#))



Air Quality: Ground-Level Ozone[†]



Robeson County residents were exposed to unhealthy levels of ozone for **0 Days** in 2019.

Ozone occurs naturally in the sky and helps protect us from the sun's harmful rays. But ground-level ozone can be bad for your health and the environment. Ground-level ozone is one of the biggest parts of smog.

When ozone levels are above the national standard, everyone should try to limit their contact with it by reducing the amount of time spent outside.

Robeson County residents were exposed to unhealthy levels of ozone for **0 Days** in 2019.

Check the EPA's Air Quality Index (AQI) at AirNow.gov (<http://www.AirNow.gov>) to see the current air quality conditions for your location. You can use the AQI to plan your daily activities to reduce exposure to ozone.

<https://twitter.com/share?>

<https://twitter.com/share?%3A%2F%2Fephrtracking.cdc.gov%2FInfoByLocation%2F&text=Check%20out%20environmental%20health%20in%20your%20county&hashtags=PublicHealth,Tracking>

[out%20the%20people%20in%20my%20county.%20Visit%20https://ephrtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county.](https://twitter.com/share?out%20the%20people%20in%20my%20county.%20Visit%20https://ephrtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county.)

Discover the data ([/..//DataExplorer/?query=1C537D70-420B-4B25-ABBE-F1B6FAD2C30B&fips=37155&G5=9999](https://ephrtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county)) | Learn more about this topic (</showAirHealth.action>)

† 2019 data from the National Environmental Public Health Tracking Network (</showHome.action>)



Air Quality: Particulate Matter[†]

ANNUAL AMBIENT CONCENTRATION OF PM_{2.5}

7.8 $\mu\text{g}/\text{m}^3$ *

Robeson County, North Carolina

12.0 $\mu\text{g}/\text{m}^3$ *

Annual National Standard

*Micrograms Per Cubic Meter ($\mu\text{g}/\text{m}^3$)

Air pollution is a leading environmental threat to human health. Particles in the air like dust, dirt, soot, and smoke are one kind of air pollution called particulate matter. Fine particulate matter, or PM_{2.5}, is so small that it cannot be seen in the air. Breathing in PM_{2.5} may

- lead to breathing problems,
- make asthma symptoms or some heart conditions worse, and

- lead to low birth weight.

The national standard for annual PM_{2.5} levels is **12.0µg/m³**. When PM_{2.5} levels are above 12, this means that air quality is more likely to affect your health.

In 2019, the annual level of PM_{2.5} in **Robeson County** was **7.8µg/m³**. *

* Micrograms per cubic meter (./images/content/PM2-5_5.jpg) (µg/m³)

https://twitter.com/share?

%3A%2F%2Fephracking.cdc.gov%2FInfoByLocation%2F&text=Check%20out%20environmental%20health%20in%20your%20county&hashtags=PublicHealth,Tracking)

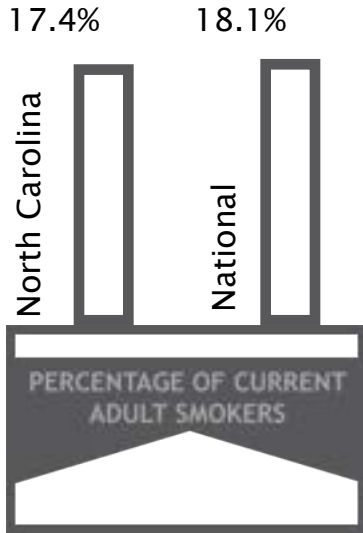
out%20the%20people%20in%20my%20county.%20Visit%20https://ephracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county.)

Discover the data (./DataExplorer/?query=4E04F504-A4A2-405C-85AB-9BC6B3F7325D&fips=37155&G5=9999) | Learn more about this topic (/showAirLanding.action)

† 2019 data from the National Environmental Public Health Tracking Network (/showHome.action)



Smoking[†]



Tobacco use is the single most preventable cause of death and disease in the United States. Smoking harms nearly every organ of the body. It causes many diseases and reduces the health of smokers in general. The negative health effects from cigarette smoking account for an estimated 500,000 deaths, or nearly 1 of every 5 deaths, each year in the United States.



https://twitter.com/share?

%3A%2F%2Fephrtracking.cdc.gov%2FInfoByLocation%2F&text=Check%20out%20environmental%20health%20in%20your%20county&hashtags=PublicHealth,Tracking)

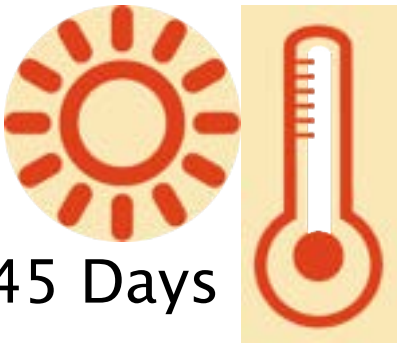
out%20the%20people%20in%20my%20county.%20Visit%20https://ephrtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county.)

Discover the data ([/.. /DataExplorer/?query=2B83BA8E-9849-47BF-92C2-2CA0D51CC90C&fips=37&G5=9999](https://ephrtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county)) | Learn more about this topic (</showHBSmokingPrevalence.action>)

† 2018 data from the National Environmental Public Health Tracking Network (</showHome.action>)



Extreme Heat[†]



45 Days

with temperatures above 90°F

Extreme summer heat is increasing in the United States, and climate projections indicate that extreme heat events will be more frequent and intense in coming decades. Extremely hot weather can cause illness or even death. Knowing how hot it gets in your area can help you prepare for extremely hot temperatures and prevent heat related illness (<http://emergency.cdc.gov/disasters/extremeheat/heattips.asp>).

Robeson County had **45 Days** with maximum temperatures above 90°F during May–September 2021.

Heat-related death or illnesses are preventable if you follow a few simple steps.

- Stay cool.
- Stay hydrated.
- Stay informed.

https://twitter.com/share?

%3A%2F%2Fephrtracking.cdc.gov%2FInfoByLocation%2F&text=Check%20out%20environmental%20health%20in%20your%20county&hashtags=PublicHealth,Tracking)

out%20the%20people%20in%20my%20county.%20Visit%20https://ephrtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county.)

Discover the data (</../DataExplorer/?query=51ED8370-BE00-4813-A4F8-AE641EF61672&fips=37155&G5=9999>) | Learn more about this topic (</showClimateChangeExtremeHeat.action>)

† 2021 data from the National Environmental Public Health Tracking Network (</showHome.action>)



Heart Attacks[†]



The environment is one of several factors (</showHeartExpRisk.action>) that can lead to an increased risk for heart disease. High levels of air pollution and extreme hot and cold temperatures have been linked to increases in heart disease and deaths from heart attacks. A heart attack happens when a part of the heart muscle dies or gets damaged because of reduced blood supply.

In 2020, there were

- **89 deaths** from heart attacks in Robeson County.
- **3,231 deaths** from heart attacks in North Carolina.

<https://twitter.com/share?>

<https://twitter.com/share?%3A%2F%2Fephrtracking.cdc.gov%2FInfoByLocation%2F&text=Check%20out%20environmental%20health%20in%20your%20county&hashtags=PublicHealth,Tracking>

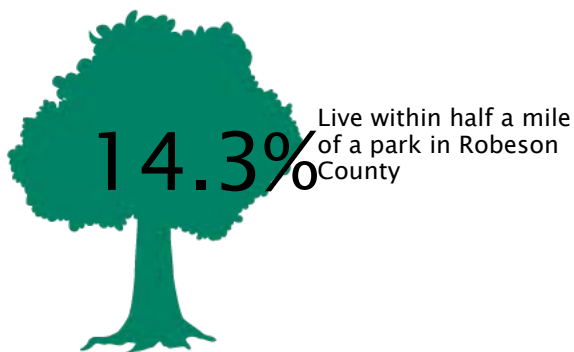
<https://twitter.com/share?out%20the%20people%20in%20my%20county.%20Visit%20https://ephrtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county.>

Discover the data (</../DataExplorer/?query=19D1C8B6-45AB-4216-A2CC-2DCC250FD1FE&fips=37155&G5=9999>) | Learn more about this topic (</showHeartAttack.action>)

† 2020 data from the National Environmental Public Health Tracking Network (</showHome.action>)



Access To Parks[†]



Having access to places for physical activity, like parks, encourages people to get active and do so more often. The closer you live to a park, the more likely you are to walk or bike there. Walking and biking to parks can decrease air pollution and car crashes, which in turn, can reduce chronic disease rates and traffic-related injuries.

In 2020,

14.3% of people living in **Robeson County** lived within half a mile of a park.

58.7% of people living in **North Carolina** lived within half a mile of a park.

[tps://twitter.com/share?](https://twitter.com/share?)

<https://ephrtracking.cdc.gov/InfoByLocation?text=Check%20out%20#environmental%20health%20in%20your%20county&hashtags=PublicHealth,Tracking>

<https://ephrtracking.cdc.gov/InfoByLocation?to%20find%20out%20facts%20for%20your%20county>

Discover the data ([/.. /DataExplorer/?query=16F809E7-BD81-4A24-8588-F6A3A62B866E&fips=37155&G5=9999](https://ephrtracking.cdc.gov/DataExplorer/?query=16F809E7-BD81-4A24-8588-F6A3A62B866E&fips=37155&G5=9999)) | Learn more about this topic (</showProximityToHighways.action>)

[†] 2020 data from the National Environmental Public Health Tracking Network (</showHome.action>)



Proximity To Highways[†]



2.6%



of Robeson County population that live within 150m of a highway

Traffic-related air pollution is a major cause of unhealthy air quality, especially in urban areas. Many health problems have been linked to exposure to traffic-related air pollution. The closer your home or school is to a major highway, the more likely you and your family are to be exposed to traffic-related air pollution.

In 2020, 2.6% of the population of Robeson County lived within 150 meters* of a major highway.

In 2020, 4.9% of Robeson County public schools were sited within 150 meters* of a major highway.

* 150 meters is about 2 blocks.

<https://twitter.com/share?>

<https://twitter.com/share?%3A%2F%2Fephtracking.cdc.gov%2FInfoByLocation%2F&text=Check%20out%20environmental%20health%20in%20your%20county&hashtags=PublicHealth,Tracking>

[out%20the%20people%20in%20my%20county.%20Visit%20https://ephtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county.](https://twitter.com/share?out%20the%20people%20in%20my%20county.%20Visit%20https://ephtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county.)

Discover the data ([../DataExplorer/?query=75C3D4C4-D2CC-4E1B-A26C-FA01EE02076C&fips=37155&G5=9999](https://ephtracking.cdc.gov/InfoByLocation/?query=75C3D4C4-D2CC-4E1B-A26C-FA01EE02076C&fips=37155&G5=9999)) | Learn more about this topic ([/showProximityToHighways.action](https://ephtracking.cdc.gov/showProximityToHighways.action))

† 2020 data from the National Environmental Public Health Tracking Network ([/showHome.action](https://ephtracking.cdc.gov/showHome.action))



Share this page with this link ([../InfoByLocation/?FIPS=37155&topics=1,10,2,3,4,5,6,7,8](https://ephtracking.cdc.gov/InfoByLocation/?FIPS=37155&topics=1,10,2,3,4,5,6,7,8)).

Vulnerability Disclosure Policy (<https://www.hhs.gov/vulnerability-disclosure-policy/index.html>)

Visit the Tracking Network for more information about your health and the environment.

www.cdc.gov/ephtracking (<http://www.cdc.gov/ephtracking/>)

Connect With Us

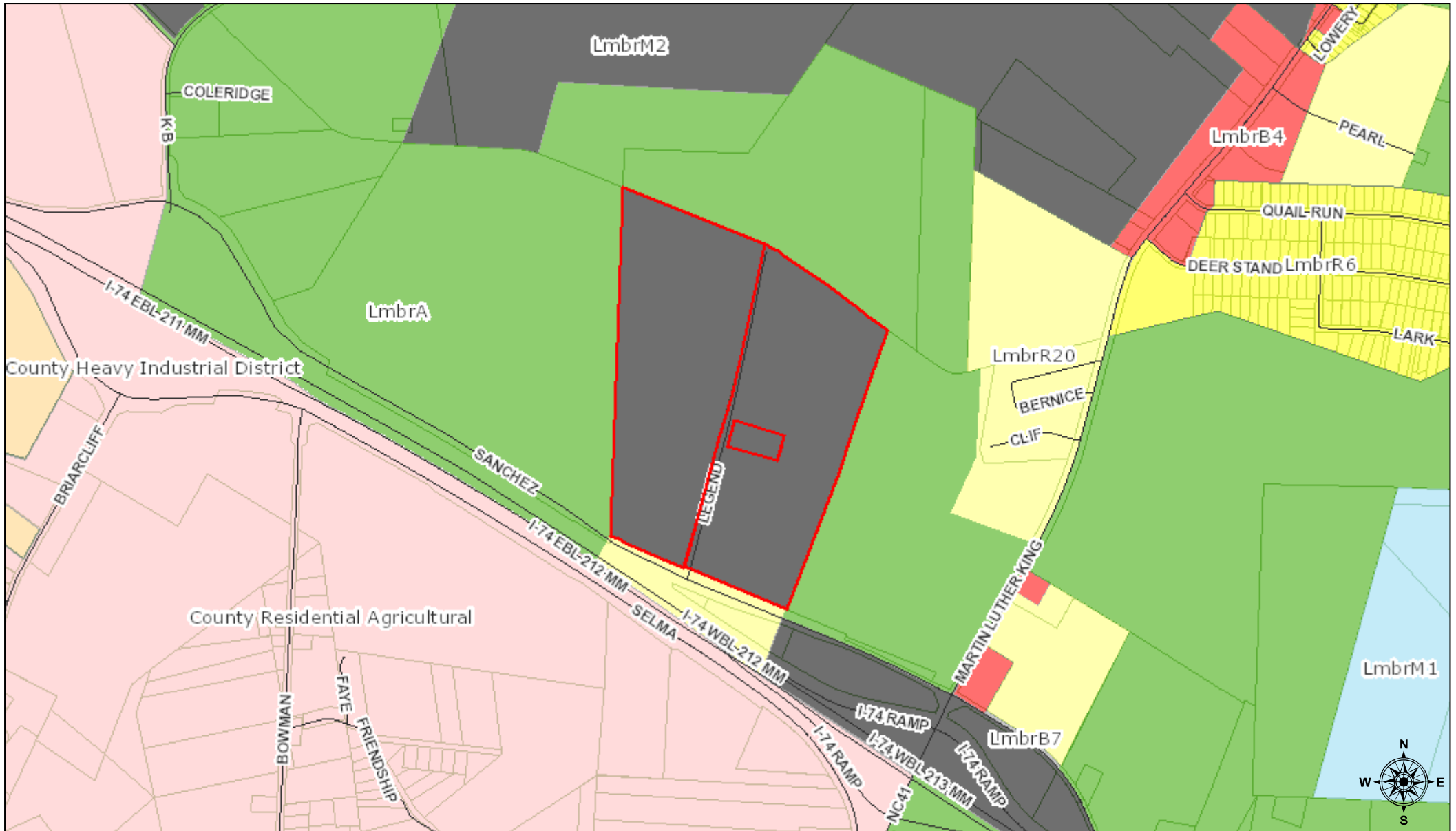
Follow us on Twitter

(http://twitter.com/CDC_EPHTracking)

ATTACHMENT 15:

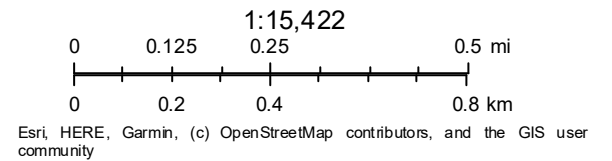
Zoning

Legend Road Water Tank - Zoning Map



September 29, 2023

- Streets
- Parcels



ATTACHMENT 16:

**Soil Suitability/ Slope/ Erosion/
Drainage/ Stormwater Runoff**

Subsurface Investigation Report



February 2, 2023

Bo Noble, PE
WITHERS RAVENEL
208 E 5th Street
Lumberton, NC 28358

Re: Report of Subsurface Investigation
Proposed 500,000 Gallon Elevated Water Tower
Lumberton, North Carolina
GeoTechnologies Project No. 1-22-1228-EA

Dear Mr. McAllister:

GeoTechnologies, Inc. has completed the authorized subsurface investigation to evaluate foundation support considerations for a 500,000-gallon elevated water tower which is being considered for construction at the Robeson County government complex in Lumberton, North Carolina. Subsurface conditions at the site were investigated by drilling two test borings as shown on the attached Figure 1. The borings were advanced to termination depths of about 65 feet beneath existing site grade using standard penetration test procedures at selected intervals to evaluate the consistency and density of the subsurface soils. This report presents the findings of the investigation and our recommendations for foundation support.

SITE AND PROJECT INFORMATION

The proposed project is situated on the north side of I-74 at the Robeson County government complex in Lumberton. The proposed tank site appears to be cleared and undeveloped. The tank will be a fluted structure with a capacity of 500,000 gallons. We understand that the foundation will be about 50 feet in diameter.

SUBSURFACE CONDITIONS

A generalized subsurface profile prepared from the test boring data is attached to this report as Figure 2 to graphically illustrate subsurface conditions encountered at this site. More detailed descriptions of the conditions encountered at the test boring location are then presented on the attached test boring record.

The subsurface profile was found to consist of a surface layer of topsoil, less than 6 inches in thickness. The topsoil was underlain by loose to very dense silty and clayey sands and firm to very stiff clays that extended to the 65 foot boring termination depth. Penetration resistances in the soils varied from 4 to 57 blows per foot and the penetration resistances tended to increase with increasing depth.

Groundwater was encountered at 5 to 8.5 feet at the time of this investigation. However, the on-site soils are conducive to the development of a higher perched groundwater condition during and following inclement weather events.

RECOMMENDATIONS

The following recommendations are made based upon a review of the attached test boring data and our understanding of the proposed construction. Should the size or location of the proposed tank change significantly from that now under consideration, we would appreciate being provided with that information so that these recommendations can be confirmed, extended, or modified as necessary. Additionally, should subsurface conditions adverse to those indicated by this report be encountered during construction, those differences should be reported to us for review and comment.

Shallow Support. To evaluate the use of shallow foundation support for the tank, we estimated the settlement of a 12 foot wide ring wall foundation designed for a contact pressure of 3,000 psf. The results of our analyses indicated a total settlement of about 2 inches. Differential settlement is expected to be about half of the total settlement.

The estimated settlements should be reviewed by the tank supplier to determine if these values are acceptable. If the estimated settlements are only moderately higher than acceptable, we recommend that flat plate dilatometer testing (DMT) be performed to evaluate soil modulus values for the firm clay present from about 11 to 17 feet where about half of the estimated settlement is being generated. Our experience has been that DMT data will generally lower estimated settlement values and could be the difference between using shallow foundations or a deep foundation.

Driven Pile Support. The tank can also be supported on pile foundations to reduce settlements to less than an inch. If pile foundations are used, one option to consider is an 8-inch (tip diameter) timber pile designed for a working load of 25 tons. We expect that the pile will achieve this capacity at about 30 feet below grade; however, predrilling through the medium dense sands and very stiff clays in the upper profile will be necessary. If higher capacity piles are desired, driven 12 inch by 12-inch precast concrete piles can be used. These piles will achieve a design capacity of 50 tons when driven to about 40 feet below grade. Predrilling will also likely be needed for these piles.

If driven piles are used, it is recommended that at least 2 over length penetration test piles be driven at the start of construction to establish the pile driving criteria, and to better evaluate the required length of piling before the order is placed for the remaining production piles. The contractor should be prepared to predrill through any shallow hard layers and to re-strike the indicator piles after a set-up period if the design capacity is not met during initial driving operations. The pile driving contractor should include a GRLWEAP analysis with their submittal to indicate that the piles can be effectively driven with the selected hammer and driving system configuration. The capacity of timber piles can be verified by driving the piles to a dynamic set indicative of the design capacity based on the GRLWEAP submittal and/or an approved pile driving formula.

Higher capacity piles (greater than 40 tons) require some form of a load test, which typically involves using a PDA on indicator pile restrikes rather than a more expensive static load test. The PDA results can be used to finalize the driving protocol.

Following the test pile program, decisions can be made regarding pile capacity, length, and driving criteria for the remainder of the project. Settlement analyses should be included as part of the final pile length assessment; however, we expect that piles driven to the recommended materials will experience settlements of 1 inch or less.

Driven Pile Vibrations. Pile driving will generate vibrations and noise which are often perceived by the public to be much more significant than they truly are. However, truly high vibrations can damage nearby buildings

Withers Ravenel

Re: Proposed 500,000 Gallon Elevated Water Tank

February 2, 2023

Page: 3

and infrastructure. As such, we recommend that a preconstruction survey be performed on all nearby buildings to document existing conditions in the event that a claim is filed. Additionally, vibration monitoring devices should be set at appropriate locations to continuously measure vibrations. In our experience, a vibration damage threshold of 1 to 2 inches per second is often used; however, we recommend limiting vibrations to 0.50 inches per second if possible.

Additional Pile Considerations. We recommend that the piles be installed at center to center spacing on the order of 3 pile diameters. Lateral and uplift load performance can be evaluated by GeoTechnologies as loading data and foundation details are provided.

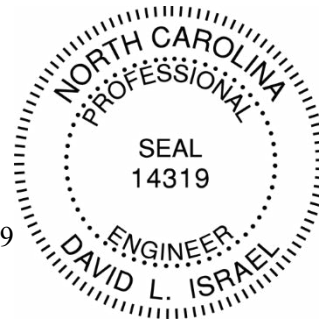
Seismic Design Considerations. Based on the North Carolina Building Code utilizing average standard penetration test resistance data, the subsurface profile at this site will have a seismic classification of "D".

GeoTechnologies, Inc. appreciates the opportunity to provide you with our services during this phase of the project. Please contact us if you should have questions regarding this information or if we may be of further assistance.

Sincerely,

GeoTechnologies, Inc.

David L. Israel, P.E.
NC Registration No. 14319



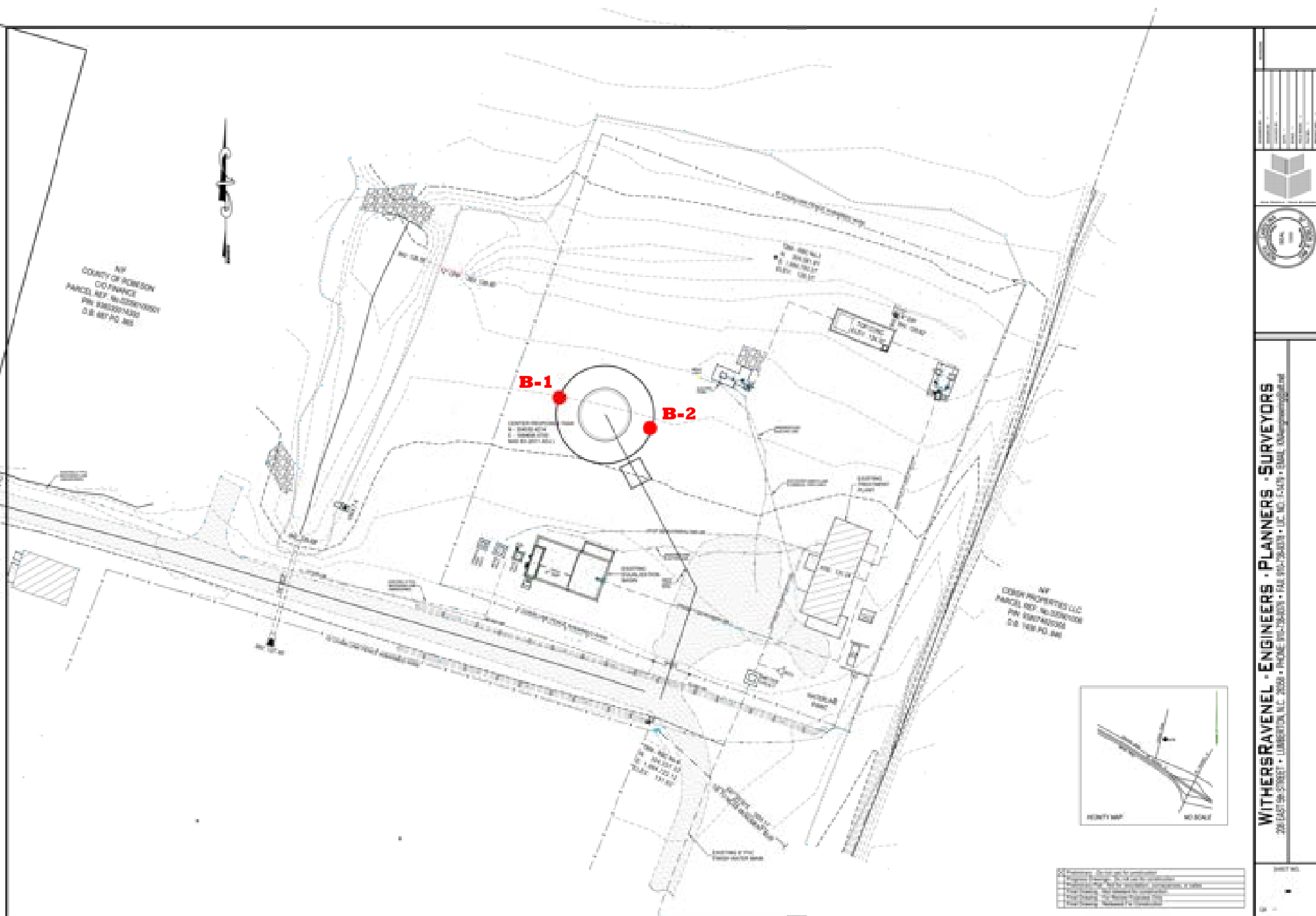
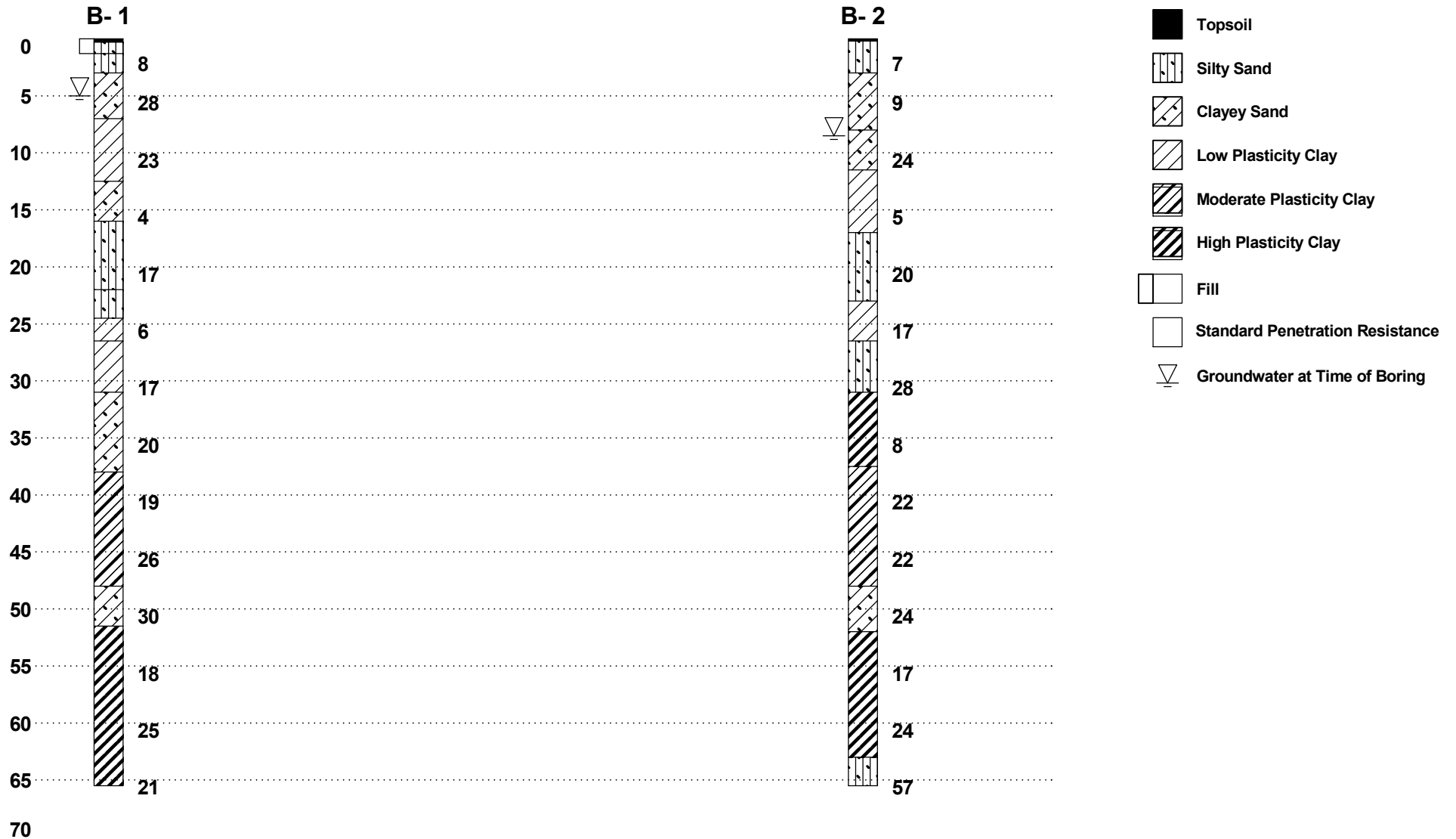


Figure 1

Depth (Feet)

GENERALIZED SUBSURFACE PROFILE

LEGEND



PROJECT:

Elevated Storage Tank
Lumberton, North Carolina



GeoTechnologies, Inc.

SCALE: As Shown

JOB No:122-1228-EA

FIGURE No: 2

TEST BORING RECORD

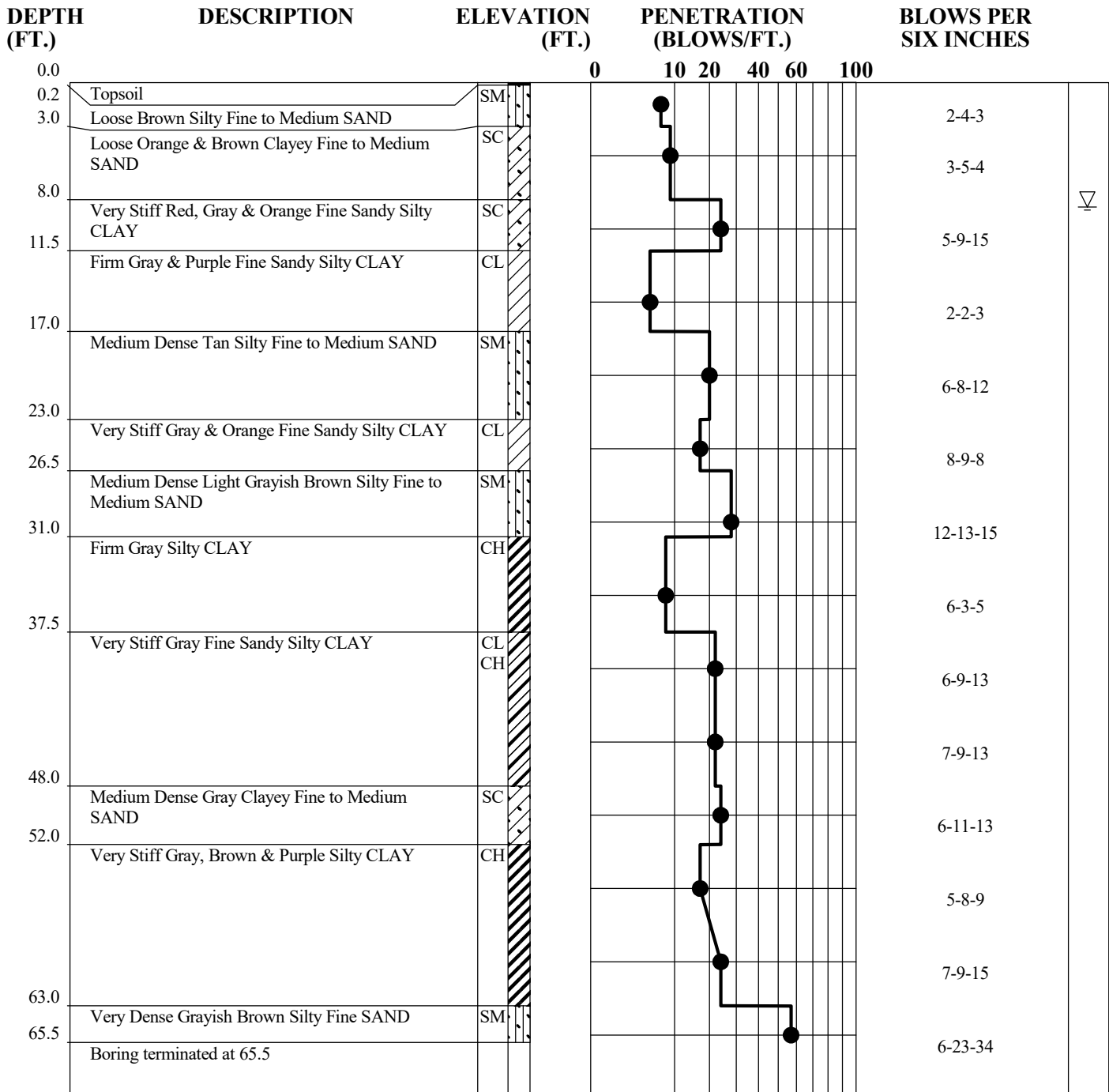
DEPTH (FT.)	DESCRIPTION	ELEVATION (FT.)	PENETRATION (BLOWS/FT.)	BLOWS PER SIX INCHES
0.0			0 10 20 40 60 100	
0.3	Topsoil	SM		
1.3	Fill - Loose Yellowish Gray Silty SAND	SM		3-4-4
3.0	Loose Tan Silty Fine to Medium SAND	SC		
7.0	Medium Dense Orange Clayey Fine to Medium SAND	CL		2-12-16
	Very Stiff Light Gray Fine to Medium Sandy CLAY	CL		4-9-14
12.5	Loose Gray & Purplish Brown Clayey Fine to Medium SAND	SC		
16.0	Medium Dense Light Gray Silty Fine to Medium SAND	SM		2-2-2
22.0	Loose Orange Silty Fine SAND	SM		3-7-10
24.5	Firm Yellow Fine Sandy CLAY w/Pea Gravel	CL		5-4-2
26.5	Very Stiff Gray & Reddish Orange Fine Sandy Silty CLAY	CL		3-8-9
31.0	Medium Dense Light Gray Clayey Fine to Medium SAND	SC		8-10-10
38.0	Very Stiff Grayish Purple Silty CLAY	CL CH		3-6-13
48.0	Dense Gray Clayey Fine to Medium SAND	SC		7-11-15
51.5	Very Stiff Gray, Orange & Brown Silty CLAY	CH		7-10-20
				5-8-10
				6-10-15
65.5	Boring terminated at 65.5'			6-9-12

GTI_MAIN 221228.GPJ GTI/GDT 2/1/23

Groundwater encountered at 5' at time of boring.

JOB NUMBER 122-1228-EA
BORING NUMBER B- 1
DATE 1-24-23

TEST BORING RECORD



▽

GTI_MAIN 221228.GPJ GTI/GDT 2/11/23

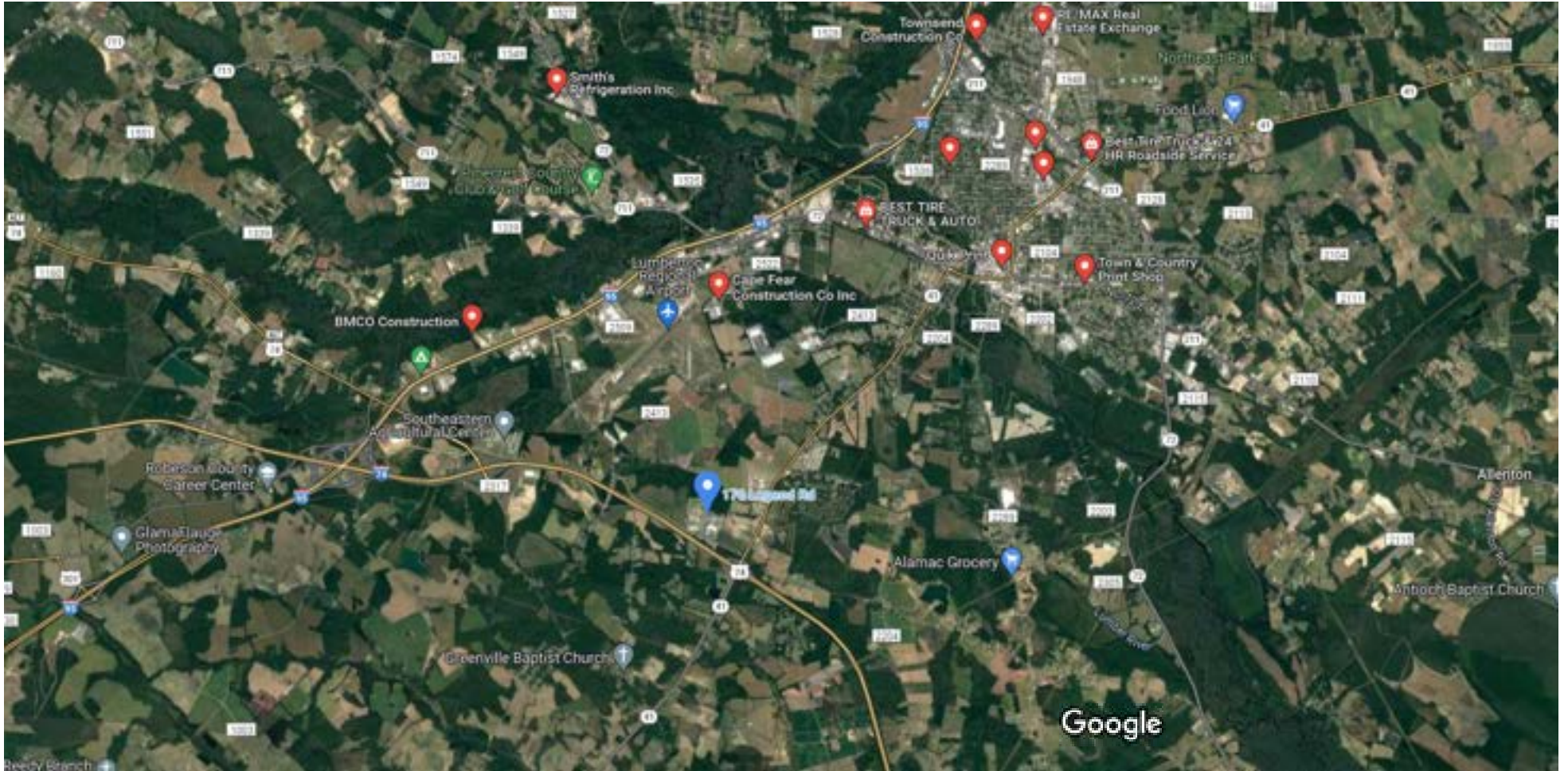
Groundwater encountered at 8.5' at time of boring.

JOB NUMBER 122-1228-EA
BORING NUMBER B- 2
DATE 1-24-23



ATTACHMENT 17:

Commercial Facilities



Imagery ©2024 Airbus, CNES / Airbus, Landsat / Copernicus, Maxar Technologies, USDA/FPAC/GEO, Map data ©2024 1 mi

Rating

Hours

☰ All filters



Results

Town & Country Print Shop

5.0 (2)

Commercial printer · 1124 E 2nd St

Closed · Opens 8 AM Fri · (910) 739-9807



Directions

Landstar

No reviews

Commercial agent · Fayetteville Rd

Closes soon · 6 PM · Opens 8 AM Fri
· (919) 766-8510



Website



Directions

A's Reliable Janitorial Services and Commercial Building Cleaning

No reviews

Janitorial service

Closed · Opens 8 AM Fri · (910) 957-8009



Directions

Faulkner Commercial Cleaning, LLC

5.0 (3)

Carpet cleaning service

Closed · Opens 9 AM Fri ·
(910) 294-8325



Website



Directions

Craymon Strickland, Jr., Century 21 The Real Estate Center

4.5 (2)

Real estate agent · 4850 Fayetteville
Rd



Website



Directions

Open · Closes 7 PM · (910) 258-3659

Chavez Roofing LLC

5.0 (1)

Roofing contractor · 455 Sparrow Ln

Closes soon · 6 PM · Opens 7 AM Fri

· (910) 258-2338



Website



Directions

Quik Print

4.8 (13)

Commercial printer · 232 E 4th St

Closed · Opens 8 AM Fri · (910) 738-6775



Directions

Pursuit Cleaning

No reviews

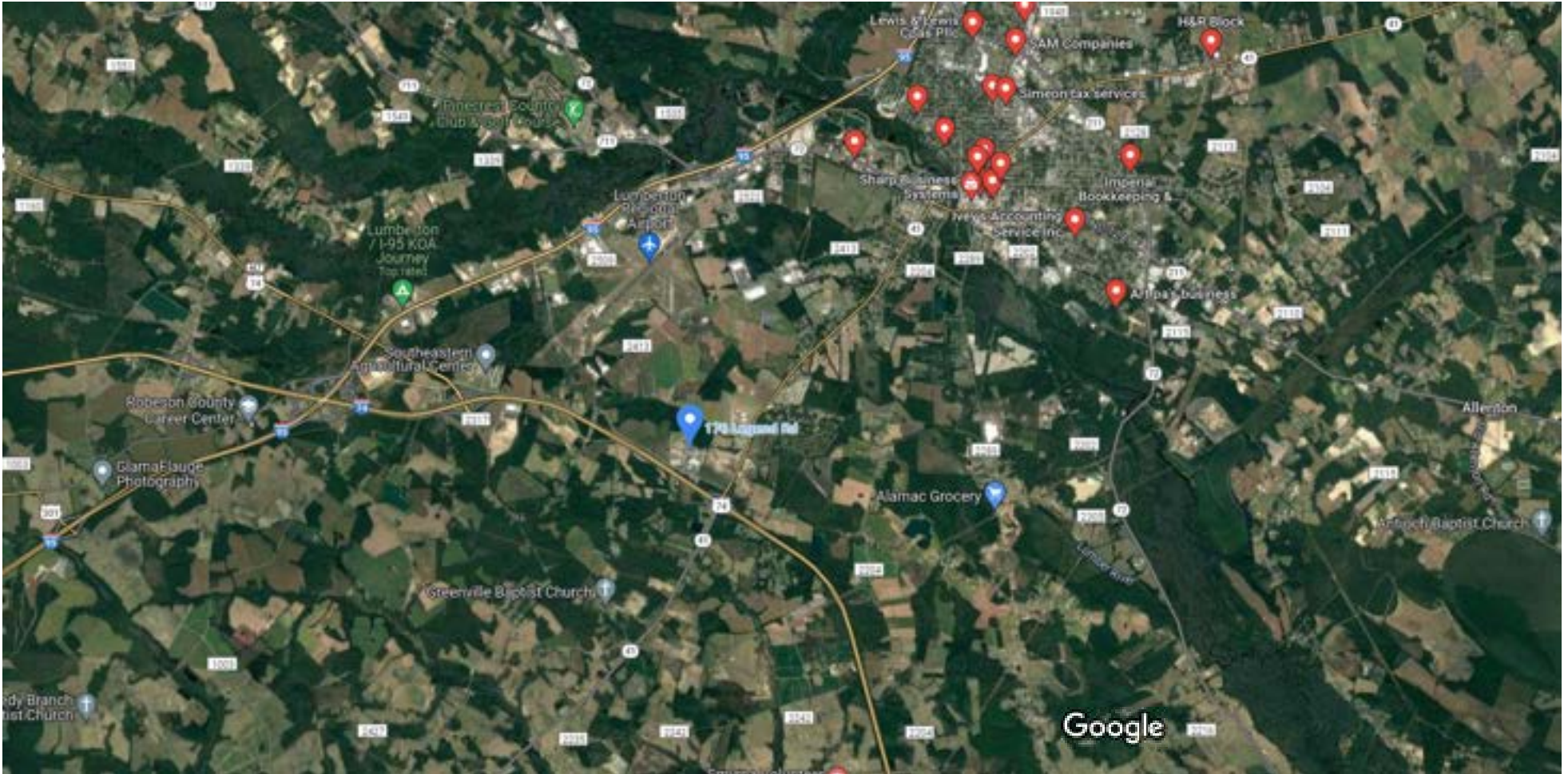
House cleaning service



Website



Directions



Imagery ©2024 Airbus, CNES / Airbus, Landsat / Copernicus, Maxar Technologies, USDA/FPAC/GEO, Map data ©2024 1 mi



Results

Art pa's business

No reviews

Design engineer · 1104 Saxon Ave

Open · Closes 5 AM Fri ·

(910) 542-1940



[Website](#)



[Directions](#)

Lumberton Chamber of Commerce

3.4 (5)

Chamber of Commerce · 800 N

Chestnut St

(910) 739-4750



[Website](#)



[Directions](#)

SutaDesign

No reviews

Computer consultant · 3547 Fayetteville Rd

Open · Closes 8 PM · (910) 674-4707



[Directions](#)

Sharp Business Systems

5.0 (1)

Office equipment supplier · 325 N

Elm St

(704) 523-3333



[Website](#)



[Directions](#)

Mustoe's Tax Solutions And Accounting

No reviews

Accountant



[Directions](#)

Grissom III J Lee CPA

5.0 (1)

Accountant · 907 N Walnut St
(910) 739-7523



Website



Directions

Simeon tax services

No reviews

Tax preparation service · 2006 1/2, N
Cedar St

Open · Closes 7 PM · (910) 774-4722



Website



Directions

Imperial Bookkeeping & Tax Services

5.0 (8)

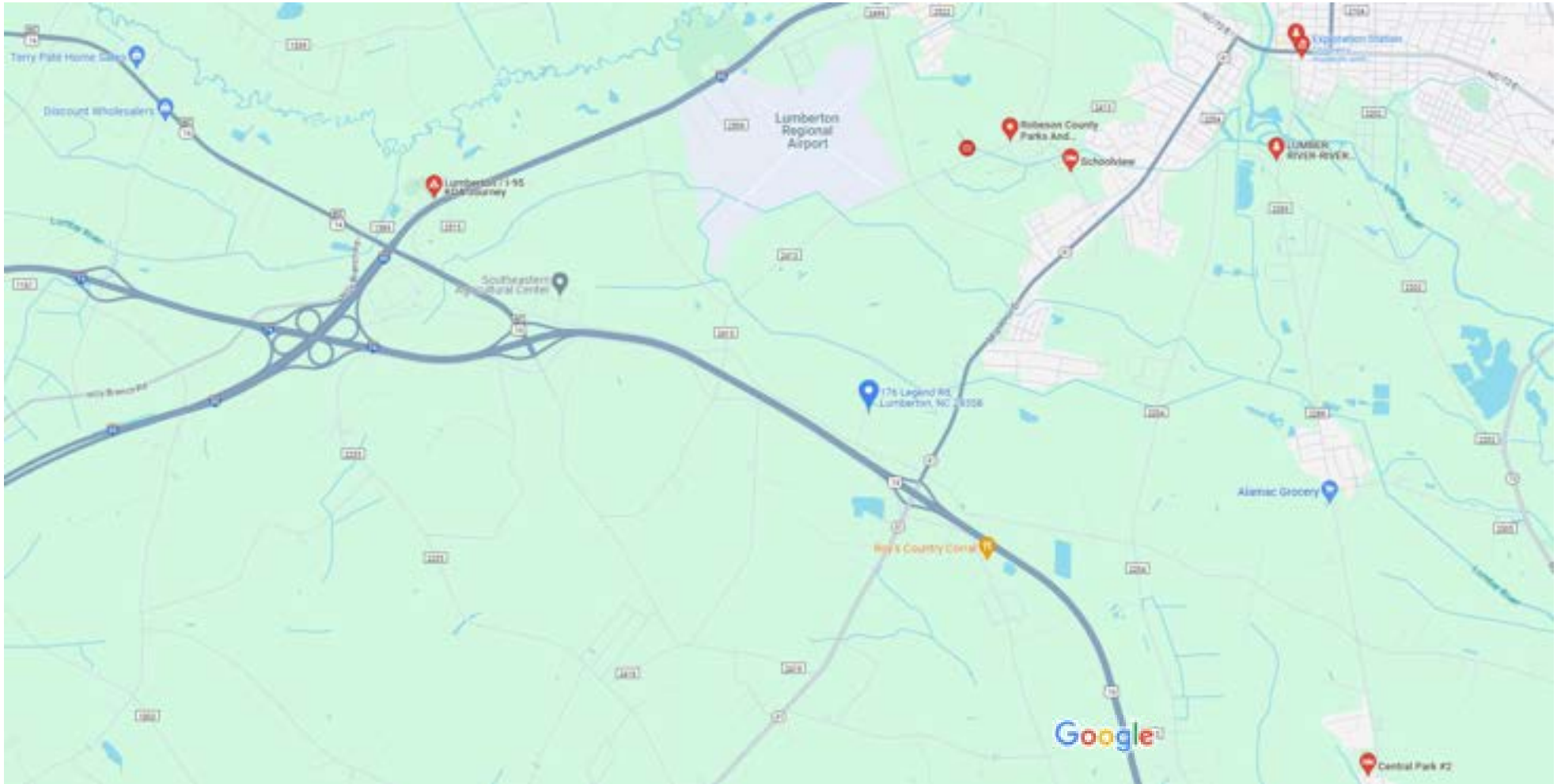
Tax preparation service · 1003 N Roberts Ave



Directions

ATTACHMENT 18:

Parks, Open Space and Recreation



Map data ©2024 2000 ft

Rating

Hours

☰ All filters

Results

Robeson County Parks And Recreation Dept

3.0 (5)

Park · 2830 Kenny Biggs Rd

Closed · Opens 8:15 AM Wed



LUMBER RIVER-RIVER TRAIL

3.4 (5)

City park · The Riverwalk



Lumberton Fountain Skate Spot

No reviews

Fountain · N Chestnut St



Lumberton Downtown Plaza

4.5 (46)

Park · 201-299 N Chestnut St



Lumberton / I-95 KOA Journey

4.4 (634)

Campground · 465 Kenric Rd



 "Awesome staff!!!Awesome park!!!"

Central Park #2

3.7 (3)

Mobile home park · 4344 Alamac Rd

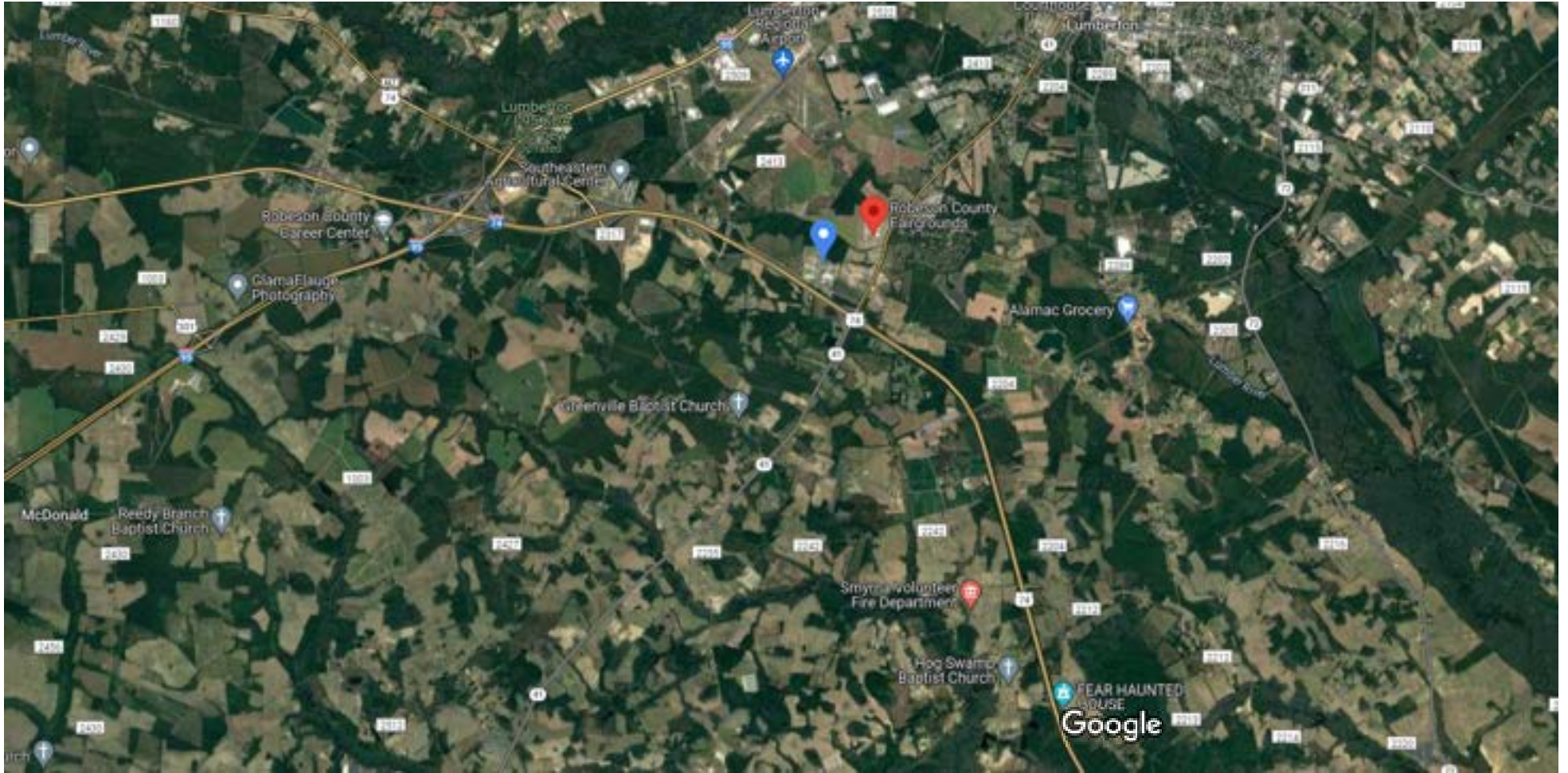


Exploration Station

4.7 (111)

Tourist attraction · 104 N Chestnut St
Children's museum with hands-on exhibits





Imagery ©2024 Airbus, CNES / Airbus, Landsat / Copernicus, Maxar Technologies, USDA/FPAC/GEO, Map data ©2024 1 mi

Rating Hours  All filters



Results

Robeson County Fairgrounds

4.4 (215)

Fairground · 3750 M.L.K. Jr Dr

Open · Closes 11 PM



Columbus County Agricultural Fairground

4.4 (137)

Fairground · 886 Prison Camp Rd



Hoke County Fair

No reviews

Fairground · 5910, 2950 Lindsay Rd

Closed · Opens 8 AM Fri



AT THE OLD ROCKFISH FAIR GROUNDS

No reviews

Indoor lodging · 2950 Lindsay Rd



You've reached the end of the list.

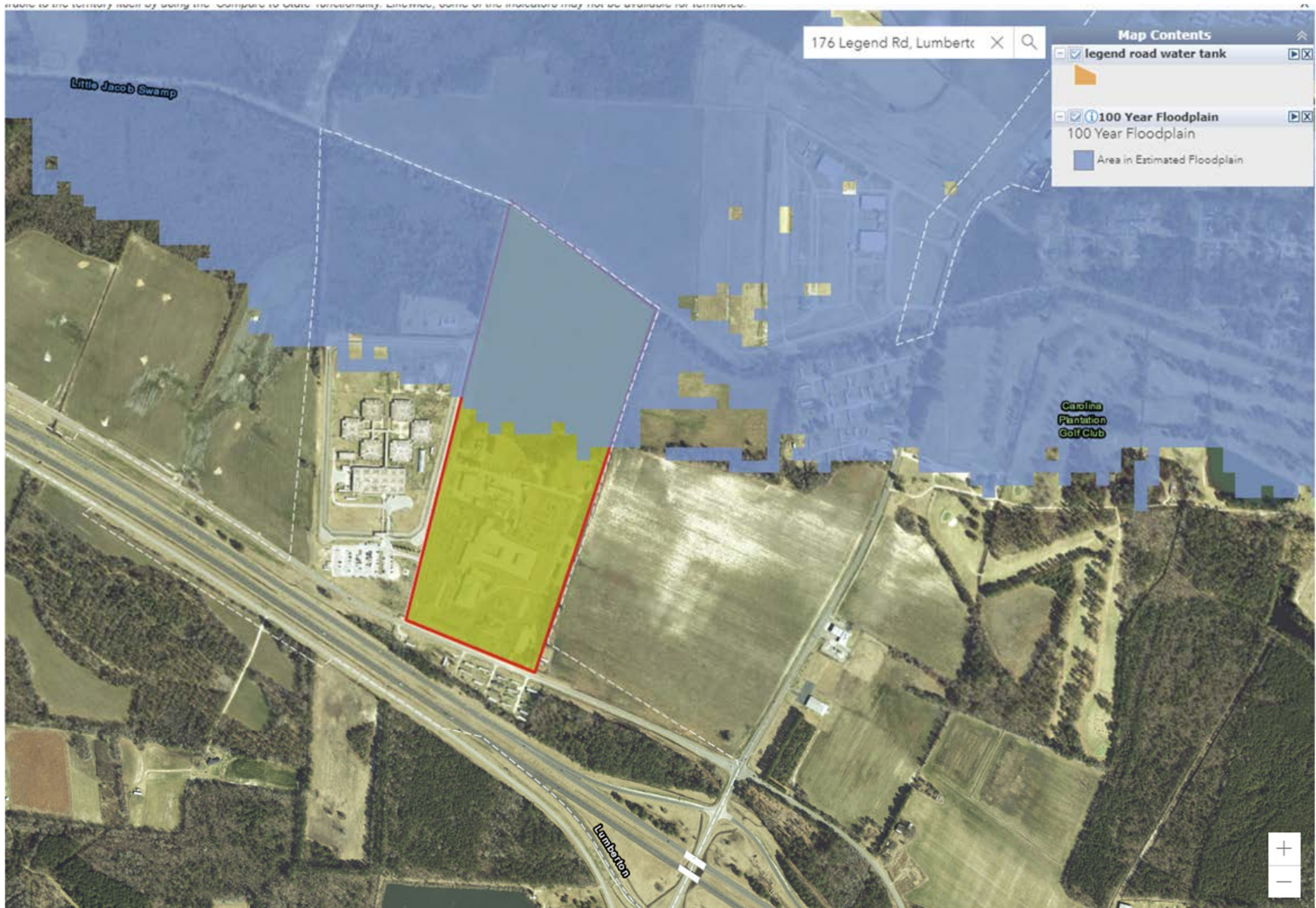
ATTACHMENT 19:

Climate Change

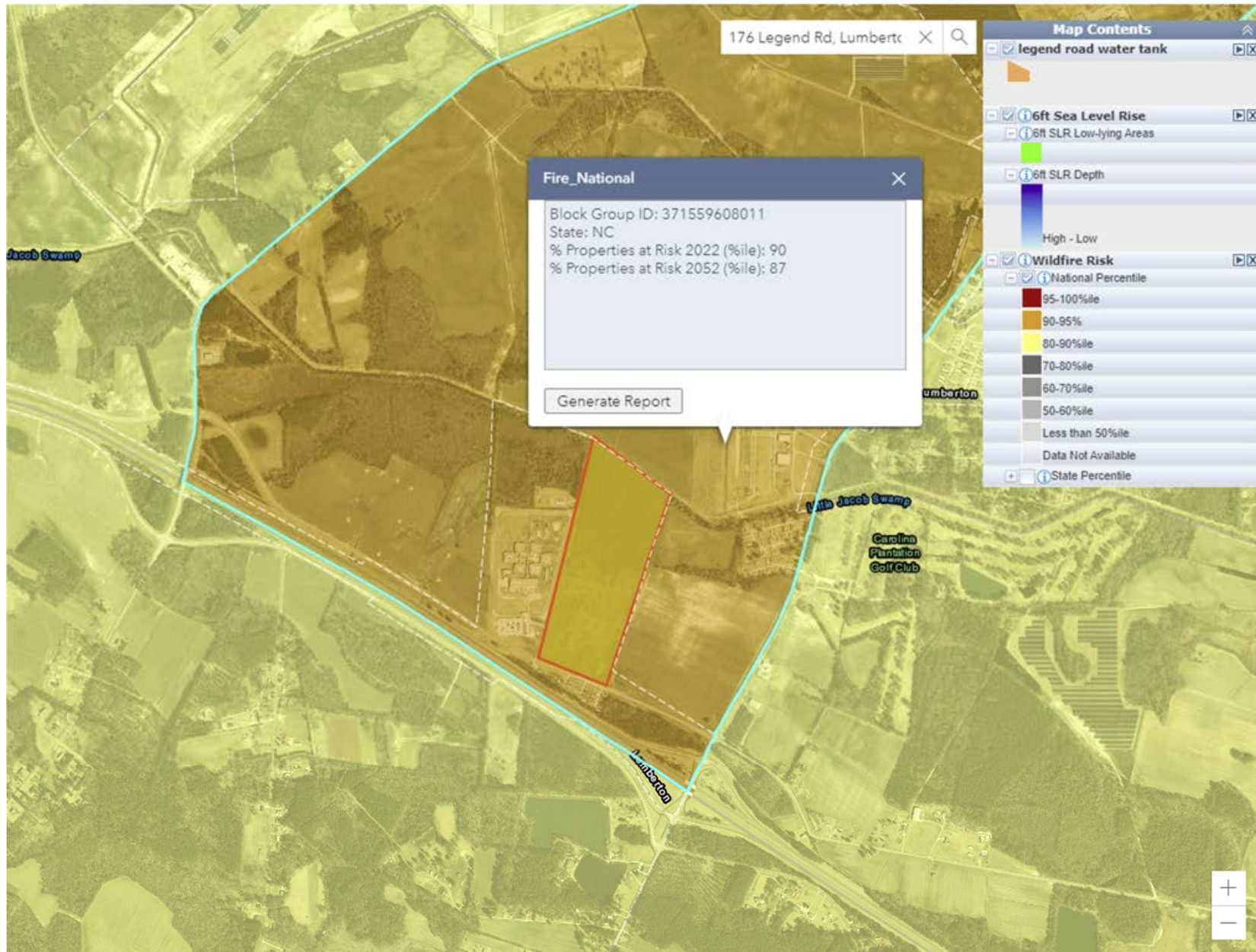
Legend Road Water Tank – Average Change in Drought (5-year SPEI)



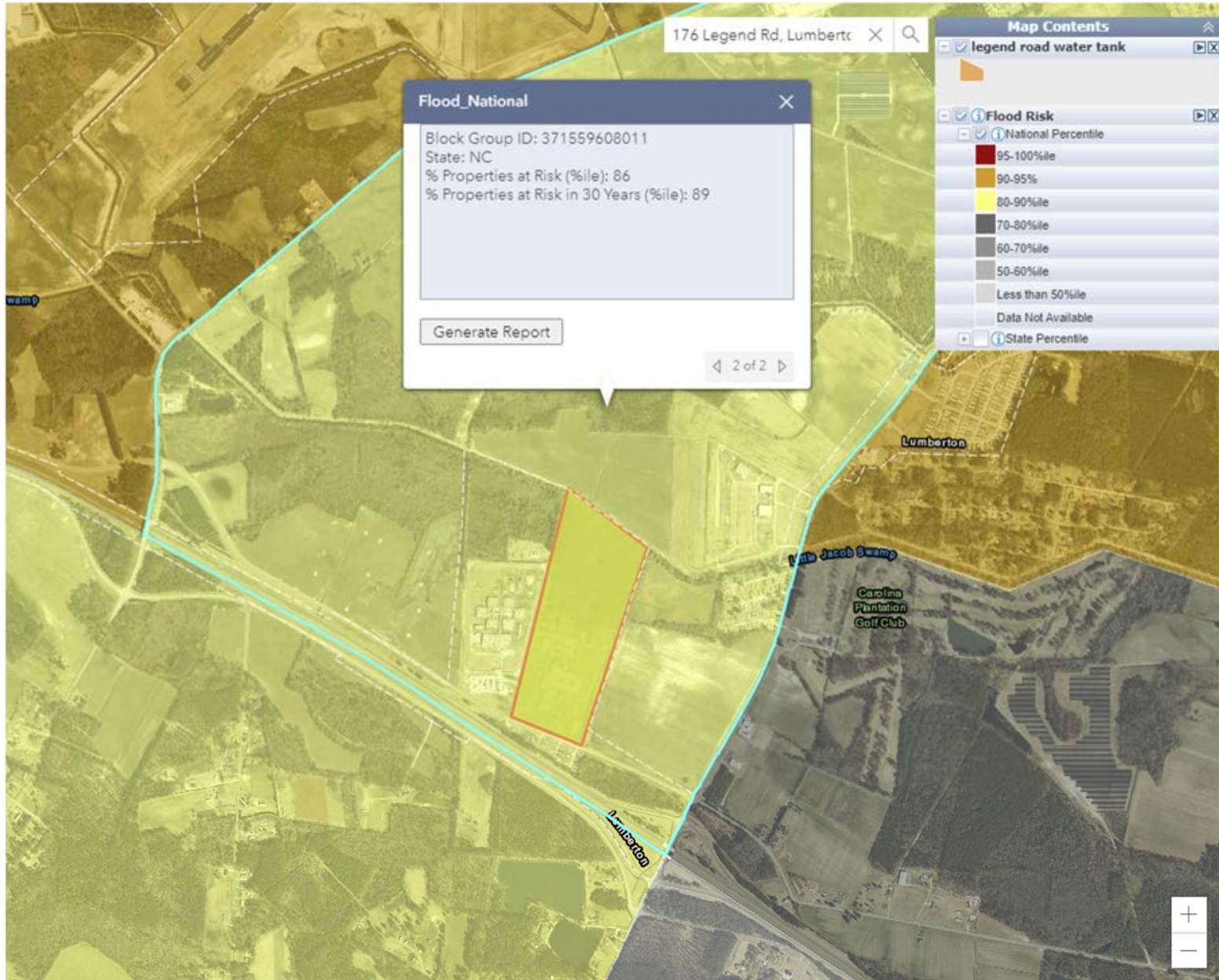
Legend Road Water Tank – 100-year Floodplain Projection



Legend Road Water Tank – Wildfire Risk Projection



Legend Road Water Tank – Flood Risk Projection



Hazard Report

Extreme Heat

Robeson County, North Carolina

Total Population
132,596

Non-Hispanic White Population (%)
75%

Income Below Poverty in Last 12 Mo (%)
28%

Building Codes Hazard Resistance
Lower Resistance

% Population Disadvantaged
100.00%

[Explore additional data](#)



U.S. Climate Resilience Toolkit
Source: Census Bureau, CEQ, Esri, FEMA, MRLC, NOAA, UCSD

National Risk Index Rating
Relatively High



according to the [FEMA National Risk Index](#)

Extreme Heat Annualized Frequency
1.07

Expected Annual Loss Rating
Relatively Moderate

Expected Annual Loss Total (\$)
\$428,886.55



Future Climate Indicators

Indicator	Modeled History (1976 - 2005)	Early Century (2015 - 2044)		Mid Century (2035 - 2064)		Late Century (2070 - 2099)	
		Lower Emissions	Higher Emissions	Lower Emissions	Higher Emissions	Lower Emissions	Higher Emissions
	Min - Max	Min - Max	Min - Max	Min - Max	Min - Max	Min - Max	Min - Max
Temperature thresholds:							
Annual days with maximum temperature > 90°F	50 days 50 - 58	83 days 58 - 103	86 days 65 - 104	96 days 64 - 117	105 days 79 - 123	107 days 77 - 130	137 days 99 - 159
Annual days with maximum temperature > 95°F	12 days 10 - 15	30 days 13 - 47	32 days 18 - 54	41 days 17 - 63	51 days 25 - 74	53 days 25 - 85	91 days 40 - 119
Annual days with maximum temperature > 100°F	1 days 1 - 2	6 days 1 - 13	6 days 2 - 16	10 days 2 - 25	14 days 2 - 39	15 days 4 - 25	41 days 10 - 82
Annual days with maximum temperature > 105°F	0 days 0 - 0	1 days 0 - 2	1 days 0 - 3	1 days 0 - 4	2 days 0 - 16	3 days 0 - 11	12 days 0 - 45
Annual temperature:							
Annual single highest maximum temperature °F	99 °F 99 - 100	103 °F 99 - 104	103 °F 100 - 105	104 °F 100 - 107	105 °F 101 - 110	105 °F 101 - 109	109 °F 103 - 115
Annual highest maximum temperature averaged over a 5-day period °F	96 °F 95 - 97	99 °F 96 - 101	99 °F 97 - 102	100 °F 96 - 103	101 °F 97 - 106	101 °F 98 - 105	105 °F 100 - 111
Cooling degree days (CDD)	1838 degree-days 1765 - 1931	2,290 degree-days 1,973 - 2,641	2,332 degree-days 2,054 - 2,578	2,521 degree-days 2,068 - 2,953	2,711 degree-days 2,274 - 3,186	2,755 degree-days 2,277 - 3,302	3,510 degree-days 2,746 - 4,352

N/A = Data Not Available for the selected area

Hazard Report

Drought

Robeson County, North Carolina

Total Population
132,596

Non-Hispanic White Population (%)
75%

Income Below Poverty in Last 12 Mo (%)
28%

Building Codes Hazard Resistance
Lower Resistance

% Population Disadvantaged
100.00%

[Explore additional data](#)



National Risk Index Rating
Relatively High



according to the [FEMA National Risk Index](#)

Drought Annualized Frequency
16.93

Expected Annual Loss Rating
Relatively High

Expected Annual Loss Total (\$)
\$3,982,393.05



Future Climate Indicators

Indicator	Modeled History (1976 - 2005)	Early Century (2015 - 2044)		Mid Century (2035 - 2064)		Late Century (2070 - 2099)	
		Lower Emissions	Higher Emissions	Lower Emissions	Higher Emissions	Lower Emissions	Higher Emissions
	Min - Max	Min - Max	Min - Max	Min - Max	Min - Max	Min - Max	Min - Max
Precipitation:							
Average annual total precipitation	47" 45 - 49	48" 45 - 52	49" 44 - 52	49" 44 - 53	49" 45 - 54	50" 43 - 56	51" 42 - 58
Days per year with precipitation (wet days)	186 days 180 - 191	185 days 168 - 195	184 days 162 - 197	185 days 164 - 200	183 days 153 - 203	185 days 163 - 202	180 days 147 - 203
Days per year with no precipitation (dry days)	179 days 174 - 185	180 days 171 - 197	181 days 168 - 203	180 days 165 - 201	183 days 162 - 212	180 days 164 - 202	185 days 162 - 218
Maximum number of consecutive dry days	13 days 12 - 16	14 days 12 - 17	13 days 12 - 15	14 days 12 - 16	14 days 12 - 18	14 days 12 - 18	14 days 12 - 17
Temperature thresholds:							
Annual days with maximum temperature > 90 °F	50 days 50 - 58	83 days 58 - 103	86 days 65 - 104	96 days 64 - 117	105 days 79 - 123	107 days 77 - 130	137 days 99 - 159
Annual days with maximum temperature > 100 °F	1 days 1 - 2	6 days 1 - 13	6 days 2 - 16	10 days 2 - 25	14 days 2 - 39	15 days 4 - 25	41 days 10 - 82

Robeson County Hazard Report

37155
 Robeson County

Prepared by Esri

Hazard Report Wildfire

Robeson County, North Carolina

- Total Population: 132,596
- Non-Hispanic White Population (%): 75%
- Income Below Poverty in Last 12 Mo (%): 28%

Building Codes Hazard Resistance: Lower Resistance

% Population Disadvantaged: 100.00%

[Explore additional data](#)



National Risk Index Rating: **Relatively Moderate**

Wildfire Annualized Frequency: 0.00

Expected Annual Loss Rating: **Relatively Low**

Wildfire Hazard Potential (Mean): 376.36

Expected Annual Loss Total (\$): \$176,053.16

according to the [FEMA National Risk Index](#)

Future Climate Indicators

Indicator	Modeled History (1976 - 2005)	Early Century (2015 - 2044)		Mid Century (2035 - 2064)		Late Century (2070 - 2099)		
	Min - Max	Lower Emissions	Higher Emissions	Lower Emissions	Higher Emissions	Lower Emissions	Higher Emissions	
Precipitation:								
Days per year with no precipitation (dry days)	179 days 174 - 185	180 days 171 - 197	181 days 168 - 203	180 days 165 - 201	183 days 162 - 212	180 days 164 - 202	185 days 162 - 218	
Maximum number of consecutive dry days	13 days 12 - 16	14 days 12 - 17	13 days 12 - 15	14 days 12 - 16	14 days 12 - 18	14 days 12 - 18	14 days 12 - 17	
Days per year with precipitation (wet days)	186 days 180 - 191	185 days 168 - 195	184 days 162 - 197	185 days 164 - 200	183 days 153 - 203	185 days 163 - 202	180 days 147 - 203	
Temperature thresholds:								
Annual days with maximum temperature > 90°F	50 days 50 - 58	83 days 58 - 103	86 days 65 - 104	96 days 64 - 117	105 days 79 - 123	107 days 77 - 130	137 days 99 - 159	
Annual days with maximum temperature > 100°F	1 days 1 - 2	6 days 1 - 13	6 days 2 - 16	10 days 2 - 25	14 days 2 - 39	15 days 4 - 25	41 days 10 - 82	

N/A = Data Not Available for the selected area

Robeson County Hazard Report

37155
 Robeson County

Prepared by Esri

Hazard Report Flooding

Robeson County, North Carolina

- Total Population: 132,596
- Non-Hispanic White Population (%): 75%
- Income Below Poverty in Last 12 Mo (%): 28%

Building Codes Hazard Resistance: Lower Resistance

National Risk Index Rating: **Relatively Moderate**

Flooding Annualized Frequency: 0.67

Expected Annual Loss Rating: **Relatively Moderate**

Expected Annual Loss Total (\$): \$935,139.57

Area in a 100-year / 500-year flood zone (%): 18.06% / 1.50%

Area outside 100-year or 500-year flood zone (%): 80.42%

Area unmapped/undetermined for flooding (%): 0.02%


according to the [FEMA National Risk Index](#)

Future Climate Indicators

Indicator	Modeled History (1976 - 2005)	Early Century (2015 - 2044)		Mid Century (2035 - 2064)		Late Century (2070 - 2099)		
	Min - Max	Lower Emissions	Higher Emissions	Lower Emissions	Higher Emissions	Lower Emissions	Higher Emissions	
Precipitation:								
Annual average total precipitation	47" 47 - 47	48" 47 - 49	49" 47 - 51	49" 47 - 51	49" 47 - 51	50" 49 - 51	51" 49 - 53	

% Population Disadvantaged
100.00%

[Explore additional data](#)



U.S. Climate Resilience Toolkit
Source: Census Bureau, CEO, Esri, FEMA, MRLC, NOAA, UCSD

	45 - 49	45 - 52	44 - 52	44 - 53	45 - 54	43 - 56	42 - 58
Days per year with precipitation (wet days)	186 days 180 - 191	185 days 168 - 195	184 days 162 - 197	185 days 164 - 200	183 days 153 - 203	185 days 163 - 202	180 days 147 - 203
Maximum period of consecutive wet days	15 days 12 - 16	15 days 12 - 19	15 days 12 - 19	15 days 12 - 20	16 days 12 - 19	16 days 13 - 20	16 days 11 - 21
Annual days with:							
Annual days with total precipitation > 1inch	6 days 6 - 7	7 days 6 - 8	7 days 6 - 10	7 days 6 - 9	8 days 6 - 10	8 days 6 - 10	9 days 6 - 11
Annual days with total precipitation > 2 inches	1 days 0 - 1	1 days 0 - 1	1 days 0 - 1	1 days 0 - 1	1 days 0 - 1	1 days 0 - 1	1 days 0 - 1
Annual days with total precipitation > 3 inches	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0
Annual days that exceed 99th percentile precipitation	6 days 6 - 7	7 days 7 - 8	7 days 7 - 8	7 days 7 - 8	8 days 7 - 8	8 days 8 - 8	9 days 9 - 10
Days with maximum temperature below 32 °F	1 days 0 - 1	0 days 0 - 1	0 days 0 - 1	0 days 0 - 1	0 days 0 - 1	0 days 0 - 0	0 days 0 - 0

N/A = Data Not Available for the selected area

Robeson County Hazard Report

37155
Robeson County

Prepared by Esri

Hazard Report
Coastal Inundation
Robeson County, North Carolina

Total Population
132,596


Non-Hispanic White Population (%)
75%

Income Below Poverty in Last 12 Mo (%)
28%

Building Codes Hazard Resistance
Lower Resistance

% Population Disadvantaged
100.00%

[Explore additional data](#)



U.S. Climate Resilience Toolkit
Source: Census Bureau, CEO, Esri, FEMA, MRLC, NOAA, UCSD

National Risk Index Rating
Not Applicable

Coastal Inundation Annualized Frequency
N/A

Expected Annual Loss Rating
Not Applicable

Expected Annual Loss Total (\$)
N/A

according to the [FEMA National Risk Index](#)

Future Climate Indicators

Indicator	Modeled History (1976 - 2005) Min - Max	Early Century (2015 - 2044)		Mid Century (2035 - 2064)		Late Century (2070 - 2099)	
		Lower Emissions Min - Max	Higher Emissions Min - Max	Lower Emissions Min - Max	Higher Emissions Min - Max	Lower Emissions Min - Max	Higher Emissions Min - Max
Sea level rise:							
Percent of selected county impacted by global sea level rise	N/A	N/A	N/A	N/A	N/A	N/A	N/A

N/A = Data Not Available for the selected area

Exhibit 2

**North Carolina Office of Recovery and Resiliency
CDBG-DR Infrastructure Recovery Program**

PROJECT INFORMATION FORM

General Information (for CDBG-DR staff only after review):

- FEMA Disaster Number: **DR 4285, Hurricane Matthew**
- Public Law(s) Allocating DR Funds: **PL 114-223, 9-26-16; PL 114-254, 1-18-17;** _____
- Federal Register Notice(s): **81 FR 83254, 11-21-16; 82 FR 5591, 1-18-17;** _____
- National Objective: Activities Benefiting Low-to-Moderate Income Persons
- North Carolina County/City: Robeson County, North Carolina
- Activity from NC Action Plan & Amendments: _____
- HUD Form 2880 Completed: See Attached
- Reserved: _____

Please Note: This completed form and all supporting documentation must be submitted to the CDBG-DR program via the Salesforce system, if available (license required). Acceptable formats are Word, PDF, or Salesforce filled-in fields if this option is available. After receipt of this form NCORR, CDBG-DR staff will convene a review panel to determine whether the proposed project remains eligible for CDBG-DR funding. The recipient will be notified in writing of that determination. The pertinent portions of this form should be completed with as much detail as necessary to adequately describe the proposed project and its potential CDBG-DR eligibility.

RECIPIENT SUBMISSION AUTHORIZATION AND DISCLOSURE

AUTHORIZED BY (Signature Required):	<i>Kellie Blue</i>
PRINTED NAME:	Kellie Blue
TITLE:	County Manager
DATE:	8/12/22
CDBG-DR PROJECT NUMBER (if known):	CRI-155-0007
ATTACH/INCLUDE COMPLETED HUD DISCLOSURE FORM at	HUD Form 2880

Check One: Original Application X Amended Application _____

1. RECIPIENT (County): Insert all contact information for recipient and contact persons.

Name of Recipient: Robeson County

Physical Address: 550 N. Chestnut Street, Lumberton, NC 29358

Federal ID Number: 56-6000335

DUNS Number: 082367871

SAMS CAGE Code: 5G2L6

Name of Recipient Contact Person(s): Kellie Blue, Jan Maynor, Myron Neville

Telephone Number:

- Kellie Blue, County Manager: (910) 671-3030
- Jan Maynor, Grant Consultant: (910) 618-2629
- Myron Neville, Robeson County Public Utilities Director: (910) 671-3488

Mailing Address of Recipient: 550 N. Chestnut Street, Lumberton, NC 29358

Email Address of Recipient:

- Kellie Blue: kellie.blue@co.robeson.nc.us
- Jan Maynor: jmaynor2@nc.rr.com
- Myron Neville: Myron.neville@co.robeson.nc.us

Name, address, phone number, and contact person of Architectural/Engineering firm (if available):

Koonce, Noble & Associates, Inc.
Sam R. Noble, P.E.
208 E. 5th Street
Lumberton, NC 28358
(910) 738-9376

Name, Address, Phone Number and Email Address of Administrative Consultant (if applicable):

2. PROJECT NAME AND ADDRESS:

Insert the physical address of the proposed project, or of the entity if the project is a program/planning activity. If a project does not have a physical address, then provide latitude/longitude of the project site below.

- a. Project Name: Legend Road Water Tank
- b. County Name: Robeson

- c. Project Address: 176 Legend Road, Lumberton, NC 29358
- d. Target Area Census Tract(s) and the geographical area of the low-moderate income persons to benefit from the project:

The proposed project will serve a countywide population. According to the 2015 American Community Survey, the population of Robeson County is 131,440 persons, 70,960 (53.99%) of which are considered to be low-and-moderate income. The project beneficiaries reside within the limits of Robeson County and are served by the Robeson County Emergency Operations Center, Water Department, Jail, Sheriff's Department, Public Utilities Center, Ambulance Service, and the North Carolina Department of Corrections. Please see attached ABF and Target Area Mapping

- e. Latitude/Longitude of project site, if required: Latitude 34.586774, Longitude -79.050864
- f. Will the project be located in the 100-year floodplain or floodway?

The proposed project site is located within an area designated Zone "X" per FEMA Flood Insurance Rate Map No. 371093800K, Panel 9380.

3. CDBG-DR ELIGIBLE ACTIVITY:

State the eligible activity (ies), including the regulatory/statutory citations(s), and how this project fits that/those eligible activity(ies).

This proposed project is a CDBG-DR eligible activity pursuant to Section 105(a)(2), *Public Facilities and Improvements*, of the Housing and Community Development Act (HCDA) of 1974, which includes: the acquisition, construction, reconstruction, or installation (including design features and improvements with respect to such construction, reconstruction, or installation that promote energy efficiency) of public works, facilities (except for buildings for the general conduct of government, and site or other improvements.

During and following Hurricane Matthew, Robeson County's water system experienced widespread outages. Most particularly impacted were facilities located at or near Legend Road, including the Robeson County Emergency Operations Center and other critical county facilities in the vicinity. As a result, the County was forced to supply water to those facilities by other means, including deliveries of bottled water and portable tanks. The construction and improvement of water delivery systems at this location will allow for continued operation of these critical facilities during and following future disaster events.

4. NATIONAL OBJECTIVE:

National Objective to be addressed.

- Activities Benefiting Low/Moderate Income Persons
- Prevention/Elimination of Slums or Blight
- Urgent Need
- Not Applicable—Planning

Briefly discuss how the project meets that National Objective.

The National Objective for this project is *Activities Benefiting Low-and-Moderate Income Persons*. The project meets the CDBG-DR national objective criteria under 24 CFR 570.483(b)(1), per the following: An activity will be considered to address the objective of benefiting low-and-moderate income persons if it meets on the criteria in paragraph (b) of this section unless there is substantial evidence to the contrary. In accessing any such evidence, the full range of direct effects of the assisted activity will be considered. The activities, when taken as a whole, must not benefit moderate income persons to the exclusion of low income persons.

According to the 2015 American Community Survey, the population of Robeson County is 131,440 persons, 70,960 (53.99%) of which are considered to be low-and-moderate income. The project beneficiaries reside within the limits of Robeson County.

5. ANTICIPATED PROJECT FUNDING AND COST ESTIMATE (amounts in the following two tables should agree):

PROJECT FUNDS	AMOUNT	SOURCE AND STATUS	REMARKS (IF ANY)
CDBG-DR	\$1,241,000.00	CDBG-DR (Pending)	
LOCAL FUNDS	\$3,093,000.00	Robeson County Water Department	
PRIVATE FUNDS			
OTHER STATE FUNDS			
FEDERAL FUNDS			
OTHER FUNDS			
TOTAL	\$4,334,000.00		

REMAINDER OF THIS PAGE INTENTIONALLY BLANK

OPINION OF PROBABLE COST

Robeson County Legend Road Tank

July 22, 2022

	Quantity	Unit	Unit Cost	Total Cost
Basic Tank	1	LS	\$3,000,000.00	\$3,000,000.00
Foundation	1	LS	\$50,000.00	\$50,000.00
Paint	1	LS	\$10,000.00	\$10,000.00
Altitude Valve	1	LS	\$150,000.00	\$150,000.00
Mixing System	1	LS	\$50,000.00	\$50,000.00
Antenna provisions	1	LS	\$30,000.00	\$30,000.00
Oversized Door	1	LS	\$10,000.00	\$10,000.00
Electrical	1	LS	\$15,000.00	\$15,000.00
Piping	1	LS	\$125,000.00	\$125,000.00
Testing	1	LS	\$15,000.00	\$15,000.00
Total Construction Cost				\$3,455,000.00
Contingency				\$691,000.00
Project Management, Survey, Design, Testing, Construction Administration and Construction Observation				\$178,000.00
Loan Administration				\$10,000.00
Total Project				\$4,334,000.00

Please also provide the following information:

Environmental Review Record Complete: 12/15/2022 Acquisition/Closing (if applicable): Not Applicable

Design Complete: 11/1/2022 Construction Start Date: 2/1/2023

Construction End Date: 11/21/2023

HUD Matrix Code: 03J (Water/Sewer Improvements)

6. PROJECT DESCRIPTION AND SUPPORTING INFORMATION:

Please include project details, to the extent available, for the following items (items b and c should also be included for Public Housing Authority projects):

- a. What type of project is proposed?

Robeson County proposes to construct an appropriately sized elevated potable water tank at property owned by Robeson County, at 176 Legend Road, Lumberton, North Carolina. The water tank will act as a supplemental water resource during future storm events or other disasters, serving a range of county-owned buildings, including the Robeson County Emergency Operations Center, Water Department, Jail, Sheriff's Department, Public Utilities Center, Ambulance Service, and the North Carolina Department of Corrections.

- b. **(For Public Housing Authority projects only)** What is the estimated number of units that will be rehabilitated/reconstructed under the proposed project?

Not Applicable

- c. **(For Public Housing Authority projects only)** What is the estimated average cost per unit for the proposed rehabilitation/construction?

Not Applicable

- d. Is the proposed project new construction, rehabilitation, upgrading of existing facilities, other?

The proposed project is considered new construction on a currently unprepared site on the northeast portion of the county's property at 176 Legend Road.

- e. What is the anticipated duration of the construction (in days)?

184 Calendar Days.

- f. What are the objectives of the project?

The objective of the project is to provide an uninterrupted source of potable water to the abovenamed facilities during future storm/disaster events and their aftermath. During and following Hurricane Matthew, those facilities and adjacent areas were deprived of water following breaks in the county's water supply, creating an immediate threat to the health and safety of personnel and their charges during and following the storm.

g. What are the expected results?

Expected results include uninterrupted water supplies at the abovenamed critical facilities in the event that Robeson County's primary water supply is interrupted.

h. Are there any known historic districts or properties that will be impacted by the proposed project?

There are no known or designated listed historic properties in proximity to the proposed project site.

i. Please check the anticipated level of environmental review necessary for the proposed project (from 24 CFR Part 58):

- Exempt _____
- Categorically Excluded Not Subject to Section 58.5 _____
- Categorically Excluded Subject to Section 58.5 _____
- Environmental Assessment (EA) X
- Environmental Impact Statement (EIS) _____
- Adoption of FEMA's Environmental Review (limited to co-funded FEMA PA projects) _____

j. Are land acquisition or easement rights involved?

No land acquisition or acquisition of temporary or permanent easements are anticipated to occur during the course of the project. The property on which the improvements are proposed to be set are wholly owned by Robeson County, to include access to the proposed site.

k. What are the previous and proposed uses of the impacted property or site?

The proposed site of the improvements is a county-owned parcel on which County-owned buildings and operations are conducted. The proposed location of the water tank is currently vacant, with no signs of buildings or other structures. Previous use of the property, before the advent of construction of the County-owned buildings, was agricultural.

l. Is the project in conformance with any approved community plans?

Yes. The proposed project is included in the Robeson County Resilient Re-Development Plan.

m. Will Davis-Bacon Wages be required on this project?

Yes. Improvements are anticipated to exceed the Davis-Bacon & Related Acts threshold of \$2,000.00; therefore, Davis-Bacon compliance will be required.

n. Will Section 3 apply to the proposed project?

Yes. Improvements are anticipated to exceed the \$200,000.00 Section 3 threshold; therefore Section 3 requirements will be included in bidding documents. These requirements will involve advising potential bidders that Section 3 applies to the proposed project, discussion of requirements at pre-bid meetings, identifying contractor's/contractors' coordinator, discussion of requirements at pre-construction

meeting(s), and providing continuing technical assistance to contractors for whom Section 3 requirements are in place.

- o. Do you anticipate any program income as a result of the proposed project?

No program income is anticipated to be generated as a result of the proposed project.

6.1 PROJECT STATUS:

Has any component of the project begun, such as procurement of A/E, environmental review, Preliminary Engineering Report, design, construction, etc.?

Yes _____

No X

If yes, please provide a description of those project activities that have been completed and/or are currently underway, the percent complete of each activity, and whether any action items will be undertaken in the near future.

Not Applicable

Please also provide a description regarding whether the intent is to use CDBG-DR funds to pay for activities completed or currently underway.

Not Applicable

6.2 PROJECT CONTEXT:

Please provide the following information regarding the proposed project:

Is the proposed project part of a larger plan or project? Yes _____ No X

If Yes, is it sufficiently separate from that plan or project and does not rely on it to provide a complete project and does not trigger CDBG-DR requirements on other parts of the plan/project?

Not Applicable

BENEFICIARIES/PUBLIC BENEFIT/TARGET AREA:

Please provide a narrative addressing the following questions:

- Who are the beneficiaries of the proposed project?

Beneficiaries of the proposed project include the entirety of the population of Robeson County. The facilities currently located at the project area serve the county as a whole, including the Robeson County Emergency Operation Center, Water Department, Jail, Sheriff's Department, Public Utilities Center, Ambulance Service, and the North Carolina Department of Corrections. According to the 2015 American Community Survey, the population of Robeson County is 131,440 persons, 70,960 (53.99%) of which are considered to be low-and-moderate income.

- What are the expected benefits to these beneficiaries, and where do they live?

This proposed project benefits a county-wide population, as described above. This population will benefit from the construction of the water tank by allowing critical county-owned facilities to continue full operation during and aftermath of future storm events.

Indicate by means of an "x" as to whether the proposed project will involve a community-wide benefit or a target area(s) benefit and enter the zip code of the project. If a target area is involved, enter the name(s) and zip code of the target area(s).

Community-wide Target Area(s)

Name and Zip Code of Community-wide or Target Area: Robeson County, Lumberton, 29358

Name and Zip Code of Community-wide or Target Area: _____

Name and Zip Code of Community-wide or Target Area: _____

Community-wide projects should use the zip code of the location of city hall. Target-area projects should use the zip code of the target area where the majority of the construction funds will be spent (for each target area). If the target area(s) does not have a name, please provide a brief geographical description of the area such as "western portion of the city."

How many other projects funded with CDBG-DR funds relate to the project?

Not Applicable

Does the project relate to any other project that NCORR should be aware of? No

If flood insurance is required, has the entity that will be required to carry it in perpetuity been informed of this requirement? **Not Applicable** Yes No

Is this project receiving FEMA Public Assistance funding? Yes No

Is this project receiving FEMA Public Assistance 406 Hazard Mitigation Funds? Yes No

If Yes, please provide the FEMA Project Worksheet number(s) for this project application: N/A

(The FEMA project work sheet number should include the FEMA disaster declaration number in the first four (4) digits and the project worksheet number in the last five (5) digits. A Hurricane Matthew related project with the project worksheet "567" would be entered as "4285-00567")

Is this project receiving FEMA Section 404 Hazard Mitigation funds? Yes No

Is this project receiving any Army Corps of Engineers funding? Yes No

If yes, please provide the type of funds applied for and application number: N/A

Is this project receiving any Environmental Protection Agency funds? Yes No

If yes, please provide the type of funds applied for and application number? N/A

Is this project receiving any Department of Energy funds? Yes No

If yes, please provide the type of funds applied for and application number: N/A

Is this project receiving any Department of Transportation funds? Yes No

If yes, please provide the type of funds applied for and application number: N/A

Is this project receiving any Department of the Interior funds? Yes No

If yes, please provide the type of funds applied for and application number: N/A

Is this project receiving any State funds (e.g. Disaster Recovery Act funds)? Yes No

If yes, please provide the type of funds applied for and application number: N/A

In the event that any of the above questions result in a "yes", it is possible that a duplication of benefit (DOB) may occur. It is important that added information is provided to a yes response, since in the event that a recipient either does not disclose a DOB or adequately answer the question, it may result in the recipient having to return CDBG-DR funds and or reallocate funding to remain in compliance with HUD and State requirements.

TIE TO THE STORM/RECOVERY RATIONALE:

Please provide a narrative addressing the following questions:

- How does this project address the direct impact(s) of Hurricane Matthew?

During Hurricane Matthew, Robeson County Emergency Management Center, and surrounding buildings on Legend Road experienced water pressure loss due to damage to water lines disturbed during the storm, resulting in adversely impacted operations of these facilities at a critical time. This project will ensure that the emergency operations center and other facilities to maintain water pressure, and allow uninterrupted operations during and in the aftermath of future storm events, benefiting the entire population of Robeson County.

- How does it address a recovery objective of the community from Hurricane Matthew?

Per the *Robeson County Resilient Redevelopment Plan*, developed in response to the storm event, this proposed project will mitigate the impact of a water supply failure and improve availability of resources during future disaster events. The Robeson County Emergency Operations Center, as an example, hosts not only Robeson County officials during and after storm events, but also State and Federal agencies working toward effecting fast recovery following storm events. Potable water is crucial to continued operation of the EOC, and to continued and uninterrupted operations of ancillary facilities located on Legend Road.

DESCRIPTION OF CONSTRUCTION INVOLVED

Provide a narrative addressing the following questions:

- How extensive is the proposed construction?

It is anticipated that the project site will encompass approximately 3,600 s.f., of ground disturbance at selected areas of an approximately ½ acre site; additionally, it is anticipated that water piping connections will require additional disturbance via trench excavation.

Will digging, earthwork, boring, tunneling, etc. be involved in the project?

The proposed construction will involve excavation and/or drilling of soils in which to place footings, piles, piping, and electrical connections. Water Main installation will require approximately 900 l.f. of 36" deep trenching. In total, approximately 0.20% of the parcel will experience ground disturbance.

DESCRIPTION OF ACQUISITION INVOLVED:

Please briefly describe the nature of any necessary land or property or easement acquisition and a rationale for its selection.

No acquisition of property or easements are anticipated to occur during the course of the proposed project.

MITIGATION/RESILIENCY PLAN:

Provide a description discussing how the project design will address mitigation/resiliency to minimize damage in the event of future flooding or extreme weather.

Design and subsequent construction of the project will address resilient measures to minimize in the event of future storm events or other disasters.

7. PROJECT FEASIBILITY:

Please provide brief answers and/or a narrative addressing ALL of the following questions regarding the likelihood of the project being implemented and completed:

Was the proposed project included as part of the County's previously submitted application for CDBG-DR funding?

No.

Was the proposed project included in the County's Resilient Redevelopment Plan? If so, please provide page number(s) for reference.

Yes. The proposed project is further described in the *Robeson County Resilient Redevelopment Plan*, pg. 4-35.

Briefly describe the community support for the project and any outreach efforts the recipient has taken.

Citizen's Participation included stakeholders' meetings, solicitation of citizens' comments, and education of citizenry on the expressed need to make County water systems more resilient to pressure loss and mitigation measures.

Are there any significant regulatory, permitting, or environmental issues that may impede the project's progress?

Regulatory and permitting standards for the construction and operation of elevated water tanks may be found in the State of North Carolina's Administrative Code Title 15A: *Rules Governing Public Water Systems*. No significant regulatory, permitting or environmental issues are anticipated to impede the proposed project's progress.

If the project requires additional financial support beyond the NC Community Recovery Infrastructure program funding, are those funds available and/or committed?

Yes. Supplemental funding is contingent on fully-developed cost estimates and approval of design plans by County stakeholders.

8. PROJECT MAPS AND SUPPORTING INFORMATION (attached to this PIF or separately):

Please provide the following:

- Location of the project within the County
- Preliminary site plan showing the location of proposed facilities
- Preliminary drawings, if available
- Any other supporting information that may improve the review panel's understanding of the proposed project.

REMAINDER OF THIS PAGE INTENTIONALLY BLANK

Activity Beneficiary Form						
Target Area	Community-Wide		X		Project: Legend Road Water Tank	
	Target Area					
	Combined					
Activity	1)Public Facilities and Improvements (Countywide)		2)		3)	
		#	%	#	%	#
	Persons (Total)	131,440				
	Total LMI Income	70,960	53.99%			
	Low Income	46,830	35.63%			
Moderate Income	24,130	18.36%				
Race and Ethnicity	%		%		%	
White	30.60%					
Black or African American	23.60%					
American Indian or Alaskan Native	42.30%					
Asian	0.70%					
Native Hawaiian or Pacific Islander	0.20%					
Other	2.70%					
Hispanic or Latino	9.20%					

Data Sources:

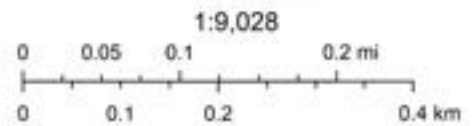
Low and Moderate income persons for activities were determined using the 2015 American Community Survey.

Percentages for race and ethnicity for activities were determined using the 2015 American Community Survey

Legend Road Water Tank



12/28/2021, 1:43:10 PM



NC CGIA, Maxar, Esri Community Maps Contributors, State of North Carolina DOT, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, INCREMENT P, METYNASA, USGS, EPA, NPS, US Census Bureau, USDA

ArcGIS Web AppBuilder

NC CGIA, Maxar | Esri Community Maps Contributors, State of North Carolina DOT, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, INCREMENT P, METYNASA, USGS, EPA, NPS,



Robeson County
Ambulance Service

N.C.
Dept of
Corrections

Proposed 12'
Water Main

R.C.
Public
Utilities

Proposed Elevated
Tank

Existing
Well
Treatment

R.C.
Sheriff's
Office

R.C. Jail

Robeson County
Emergency
Operations

R.C.
Water
Dept.

1 inch = 200 feet



National Flood Hazard Layer FIRMeTte



79°3'31"W 34°35'26"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

Basemap: USGS National Map: Orthoimagery; Data refreshed October, 2020

79°2'53"W 34°34'56"N

Legend

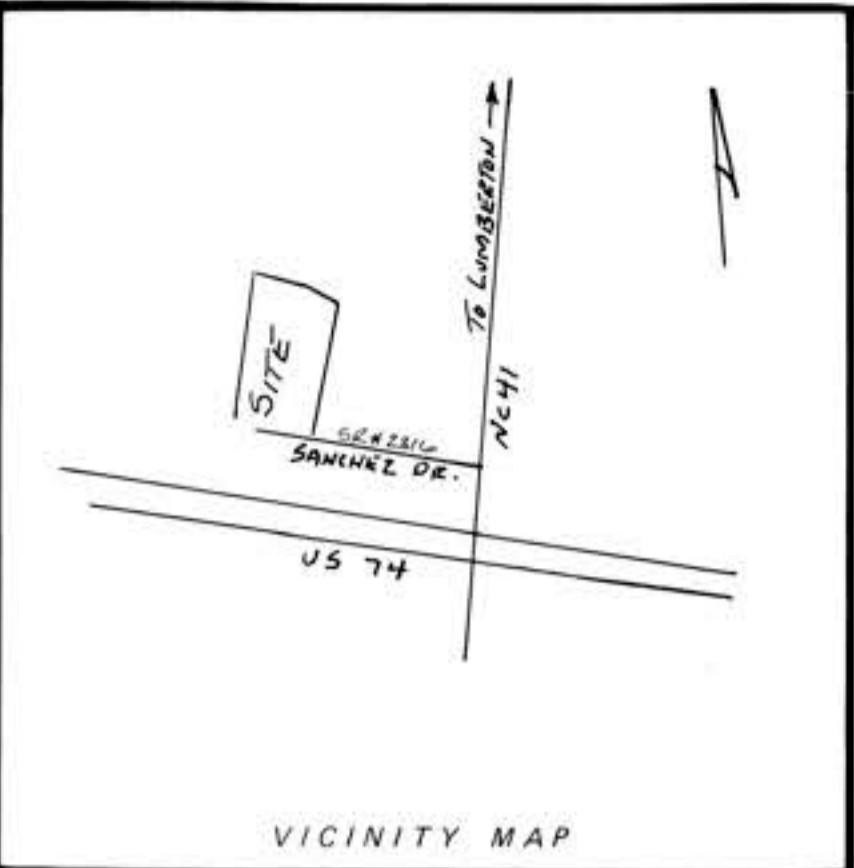
SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- SPECIAL FLOOD HAZARD AREAS**
 - Without Base Flood Elevation (BFE) Zone A, V, A99
 - With BFE or Depth Zone AE, AO, AH, VE, AR
 - Regulatory Floodway
 - OTHER AREAS OF FLOOD HAZARD**
 - 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
 - Future Conditions 1% Annual Chance Flood Hazard Zone X
 - Area with Reduced Flood Risk due to Levee. See Notes. Zone X
 - Area with Flood Risk due to Levee Zone D
 - OTHER AREAS**
 - NO SCREEN Area of Minimal Flood Hazard Zone X
 - Effective LOMRs
 - Area of Undetermined Flood Hazard Zone D
 - GENERAL STRUCTURES**
 - Channel, Culvert, or Storm Sewer
 - Levee, Dike, or Floodwall
 - OTHER FEATURES**
 - Cross Sections with 1% Annual Chance Water Surface Elevation
 - Coastal Transect
 - Base Flood Elevation Line (BFE)
 - Limit of Study
 - Jurisdiction Boundary
 - Coastal Transect Baseline
 - Profile Baseline
 - Hydrographic Feature
 - MAP PANELS**
 - Digital Data Available
 - No Digital Data Available
 - Unmapped
- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/23/2021 at 4:36 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



VICINITY MAP

NORTH CAROLINA
ROBESON COUNTY
I, JONATHAN W SPRUILL, certify that this map was drawn under my supervision from an actual survey made under my supervision, deed and description recorded in Book 687, Page 865, that the ratio of precision as calculated by latitude and departures is 1 / 10,000 ± that the boundaries not surveyed are shown as broken lines plotted from information found in books referenced, that this map was prepared in accordance with G. S. 47-30 as amended. Witness my hand and seal this 30th day of APRIL, A.D., 19 91.

Jonathan W Spruill Land Surveyor
Registration No. L-2918



NORTH CAROLINA
ROBESON COUNTY
I, FAYE T. FREEMAN, a Notary Public of the County and State aforesaid, certify that JONATHAN W SPRUILL a registered land surveyor, personally appeared before me this day and acknowledged the execution of the foregoing instrument. Witness my hand and official stamp or seal, this 30th day of April, 19 91.

Faye T. Freeman Notary Public
My Commission expires 4.23.96



NORTH CAROLINA
ROBESON COUNTY
The foregoing certificate of Notary Public, is certified to be correct. This instrument was presented for registration and recorded in Plat Book Page _____ This _____, 19 _____ at _____ M.

By _____
Register of Deeds Asst. Reg. of Deeds

K.M. BIGGS, INC.
DEED BK. 644 pg. 162 R.C.R.

- LEGEND:
PP POWER POLE
--- OVERHEAD WIRES
- - - DITCH
EIS EXISTING IRON STAKE



AREAS:
TRACT #1 51.443 ± ACRES
TRACT #2 59.813 ± ACRES
NEW 60' ROAD 3.664 ± ACRES

NOTE: TRACT #1 & NEW 60' ROAD WERE SURVEYED
TRACT #2 WAS TAKEN FROM EXISTING PLAT
(MAP BOOK 30 pg 138 R.C.R.)

C.E. BULLARD
DEED BK 13-C pg 168 R.C.R.

REVISIONS	PROPERTY OF ROBESON COUNTY		JACK SPRUILL COMPANY LAND SURVEYING 709 NORTH CEDAR ST. LUMBERTON, N.C. 919-738-8803		
	TITLE REF. DEED BK. 687 pg 865 R.C.R. - Book MAPS 30 pg 138 R.C.R.		DATE: 4/30/91	SURVEYED BY: LR	FIELD BOOK
SCALE 150 0 300	TOWNSHIP: BACK SWAMP	COUNTY: ROBESON	SCALE: 1" = 300'	DRAWN BY: JWS	DRAWING NO.
	STATE: NORTH CAROLINA	ZONE:	TAX MAP:	PARCEL:	CHECKED & CLOSURE BY: JWS

ATTACHMENT 20:

State Environmental Clearinghouse Comments

SCH Comments on Draft EA



Roy Cooper
Governor

Pamela B. Cashwell
Secretary

July 5, 2023

Andrea Gievers
NC Department of Public Safety
Office of Recovery and Resiliency
Post Office Box 110465
Durham, NC 27709-

Re: SCH File # 23-E-4600-0242 Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical faci

Dear Andrea Gievers:

The above referenced environmental impact information has been submitted to the State Clearinghouse under the provisions of the National Environmental Policy Act. According to G.S. 113A-10, when a state agency is required to prepare an environmental document under the provisions of federal law, the environmental document meets the provisions of the State Environmental Policy Act.

Attached to this letter are comments made by the agencies in the review of this document. If any further environmental review documents are prepared for this project, they should be forwarded to this office for intergovernmental review.

If you have any questions, please do not hesitate to contact me at (984) 236-0000.

Sincerely,

CRYSTAL BEST
State Environmental Review Clearinghouse

Attachments

Mailing
1301 Mail Service Center | Raleigh, NC 27699-1301



ncadmin.nc.gov

Location
116 West Jones St. | Raleigh NC 27603
984-236-0000 T

Control No.: 23-E-4600-0242

Date Received: 6/2/2023

County.: ROBESON

Agency Response: 7/3/2023

Review Closed: 7/3/2023

DEVON BORGARDT
CLEARINGHOUSE COORDINATOR
DEPT OF NATURAL & CULTURAL
RESOURCE

Project Information

Type: National Environmental Policy Act ironmental Assessment

Applicant: NC Department of Public Safety

Project Desc.: Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events.

As a result of this review the following is submitted:

No Comment

Comments Below

Documents Attached

Reviewed By: DEVON BORGARDT

Date: 7/3/2023



**North Carolina Department of Natural and Cultural Resources
State Historic Preservation Office**

Ramona M. Bartos, Administrator

Governor Roy Cooper
Secretary D. Reid Wilson

Office of Archives and History
Deputy Secretary, Darin J. Waters, Ph.D.

July 3, 2023

MEMORANDUM

TO: Crystal Best
North Carolina State Clearinghouse
Department of Administration

crystal.best@doa.nc.gov

FROM: Ramona M. Bartos, Deputy
State Historic Preservation Officer

RMB for Ramona M. Bartos

SUBJECT: Construct water tank, 176 Legend Road, Lumberton, Robeson County, 23-E-4600-0242,
ER 23-1356

Thank you for your submission of June 2, 2023, concerning the above project.

We have conducted a review of the project and are aware of no historic resources which would be affected by the project. Therefore, we have no comment on the project as proposed.

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, contact Renee Gledhill-Earley, environmental review coordinator, at 919-814-6579 or environmental.review@ncdcr.gov. In all future communication concerning this project, please cite the above referenced tracking number.

Control No.: 23-E-4600-0242

Date Received: 6/2/2023

County.: ROBESON

Agency Response: 7/3/2023

Review Closed: 7/3/2023

LYN HARDISON
CLEARINGHOUSE COORDINATOR
DEPT OF ENVIRONMENTAL QUALITY

Project Information

Type: National Environmental Policy Act ironmental Assessment

Applicant: NC Department of Public Safety

Project Desc.: Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events.

As a result of this review the following is submitted:

No Comment

Comments Below

Documents Attached

Reviewed By: LYN HARDISON

Date: 7/3/2023



NORTH CAROLINA
Environmental Quality

ROY COOPER
Governor

ELIZABETH S. BISER
Secretary

To: Crystal Best
State Clearinghouse
NC Department of Administration

From: Lyn Biles
Division of Environmental Assistance and Customer Service
Washington Regional Office

Re: 23-0242
Environmental Assessment - Proposed project is for the Legend Road
Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a
500,000-gallon elevated water storage tank, altitude valve and associated
water mains to prevent future water service interruptions and allow for
continued operation of these critical facilities during and following future
storm events.
Robeson County

Date: July 3, 2023

The Department of Environment Quality has reviewed the proposal for the referenced project. Based on the information provided, several of our agencies have identified permits that may be required and offered some valuable guidance. The comments are attached for the applicant's review.

The Department will continue to be available to assist the applicant with any questions or concerns.

Thank you for the opportunity to respond.

Attachments



North Carolina Department of Environmental Quality

217 West Jones Street | 1601 Mail Service Center | Raleigh, North Carolina 27699-1601

919.707.8600

State of North Carolina Department of Environmental Quality
 INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: FRO
 Project Number: 23-0242 Due Date: 6/26/2023
 County: Robeson

After review of this project, it has been determined that the DEQ permit(s) and/or approvals indicated may need to be obtained for this project to comply with North Carolina Law. Questions regarding these permits should be addressed to the Regional Office indicated on the reverse of the form. All applications, information and guidelines relative to these plans and permits are available from the same Regional Office.

	PERMITS	SPECIAL APPLICATION PROCEDURES or REQUIREMENTS	Normal Process Time (Statutory time limit)
<input checked="" type="checkbox"/>	Permit to construct & operate wastewater treatment facilities, non-standard sewer system extensions & sewer systems that do not discharge into state surface waters.	Application 90 days before begins construction or award of construction contracts. On-site inspection may be required. Post-application technical conference usual.	30 days (90 days)
<input checked="" type="checkbox"/>	Permit to construct & operate, sewer extensions involving gravity sewers, pump stations and force mains discharging into a sewer collection system	Fast-Track Permitting program consists of the submittal of an application and an engineer's certification that the project meets all applicable State rules and Division Minimum Design Criteria.	30 days (N/A)
<input checked="" type="checkbox"/>	NPDES - permit to discharge into surface water and/or permit to operate and construct wastewater facilities discharging into state surface waters.	Application 180 days before begins activity. On-site inspection. Pre-application conference usual. Additionally, obtain permit to construct wastewater treatment facility granted after NPDES. Reply time, 30 days after receipt of plans or issue of NPDES permit-whichever is later.	90-120 days (N/A)
<input type="checkbox"/>	Water Use Permit	Pre-application technical conference usually necessary.	30 days (N/A)
<input checked="" type="checkbox"/>	Well Construction Permit	Complete application must be received, and permit issued prior to the installation of a groundwater monitoring well located on property not owned by the applicant, and for a large capacity (>100,000 gallons per day) water supply well.	7 days (15 days)
<input type="checkbox"/>	Dredge and Fill Permit	Application copy must be served on each adjacent riparian property owner. On-site inspection. Pre-application conference usual. Filling may require Easement to Fill from N.C. Department of Administration and Federal Dredge and Fill Permit.	55 days (90 days)
<input type="checkbox"/>	Permit to construct & operate Air Pollution Abatement facilities and/or Emission Sources as per 15 A NCAC (2Q.0100 thru 2Q.0300)	Application must be submitted, and permit received prior to construction and operation of the source. If a permit is required in an area without local zoning, then there are additional requirements and timelines (2Q.0113).	90 days
<input checked="" type="checkbox"/>	Any open burning associated with subject proposal must be in compliance with 15 A NCAC 2D.1900	N/A	60 days (90 days)
<input type="checkbox"/>	Demolition or renovations of structures containing asbestos material must be in compliance with 15 A NCAC 20.1110 (a) (1) which requires notification and removal prior to demolition. Contact Asbestos Control Group 919-707-5950	Please Note - The Health Hazards Control Unit (HHCU) of the N.C. Department of Health and Human Services, must be notified of plans to demolish a building, including residences for commercial or industrial expansion, even if no asbestos is present in the building.	60 days (90 days)
<input type="checkbox"/>	The Sedimentation Pollution Control Act of 1973 must be properly addressed for any land disturbing activity. An erosion & sedimentation control plan will be required if one or more acres are to be disturbed. Plan must be filed with and approved by applicable Regional Office (Land Quality Section) at least 30 days before beginning activity. A NPDES Construction Stormwater permit (NCG010000) is also usually issued should design features meet minimum requirements. A fee of \$100 for the first acre or any part of an acre. An express review option is available with additional fees.		20 days (30 days)
<input type="checkbox"/>	Sedimentation and erosion control must be addressed in accordance with NCDOT's approved program. Particular attention should be given to design and installation of appropriate perimeter sediment trapping devices as well as stable Stormwater conveyances and outlets.		(30 days)
<input type="checkbox"/>	Sedimentation and erosion control must be addressed in accordance with _____ Local Government's approved program. Particular attention should be given to design and installation of appropriate perimeter sediment trapping devices as well as stable Stormwater conveyances and outlets.		Based on Local Program
<input type="checkbox"/>	Compliance with 15A NCAC 04B .0125 – Buffers Zones for Trout Waters shall have an undisturbed buffer zone 25 feet wide or of sufficient width to confine visible siltation within the twenty-five percent (25%) of the buffer zone nearest the land-disturbing activity, whichever is greater.		
<input type="checkbox"/>	Compliance with 15A NCAC 2H .0126 - NPDES Stormwater Program which regulates three types of activities: Industrial, Municipal Separate Storm Sewer System & Construction activities that disturb ≥1 acre.		30-60 days (90 days)
<input type="checkbox"/>	Compliance with 15A NCAC 2H 1000 -State Stormwater Permitting Programs regulate site development and post-construction stormwater runoff control. Areas subject to these permit programs include all 20 coastal counties, and various other counties and watersheds throughout the state.		45 days (90 days)

State of North Carolina Department of Environmental Quality
 INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: FRO
 Project Number: 23-0242 Due Date: 6/26/2023
 County: Robeson

	PERMITS	SPECIAL APPLICATION PROCEDURES or REQUIREMENTS	Normal Process Time (Statutory time limit)
<input type="checkbox"/>	Mining Permit	On-site inspection usual. Surety bond filed with DEQ Bond amount varies with type mine and number of acres of affected land. Affected area greater than one acre must be permitted. The appropriate bond must be received before the permit can be issued.	30 days (60 days)
<input type="checkbox"/>	Dam Safety Permit	If permit required, application 60 days before begin construction. Applicant must hire N.C. qualified engineer to prepare plans, inspect construction, and certify construction is according to DEQ approved plans. May also require a permit under mosquito control program. And a 404 permit from Corps of Engineers. An inspection of site is necessary to verify Hazard Classification. A minimum fee of \$200.00 must accompany the application. An additional processing fee based on a percentage, or the total project cost will be required upon completion.	30 days (60 days)
<input type="checkbox"/>	Oil Refining Facilities	N/A	90-120 days (N/A)
<input type="checkbox"/>	Permit to drill exploratory oil or gas well	File surety bond of \$5,000 with DEQ running to State of NC conditional that any well opened by drill operator shall, upon abandonment, be plugged according to DEQ rules and regulations.	10 days N/A
<input type="checkbox"/>	Geophysical Exploration Permit	Application filed with DEQ at least 10 days prior to issue of permit. Application by letter. No standard application forms.	10 days N/A
<input type="checkbox"/>	State Lakes Construction Permit	Application fee based on structure size is charged. Must include descriptions & drawings of structure & proof of ownership of riparian property	15-20 days N/A
<input checked="" type="checkbox"/>	401 Water Quality Certification	Compliance with the T15A 02H .0500 Certifications are required whenever construction or operation of facilities will result in a discharge into navigable water as described in 33 CFR part 323.	60 days (130 days)
<input type="checkbox"/>	Compliance with Catawba, Goose Creek, Jordan Lake, Randleman, Tar Pamlico or Neuse Riparian Buffer Rules is required. Buffer requirements: http://deq.nc.gov/about/divisions/water-resources/water-resources-permits/wastewater-branch/401-wetlands-buffer-permits/401-riparian-buffer-protection-program		
<input type="checkbox"/>	Nutrient Offset: Loading requirements for nitrogen and phosphorus in the Neuse and Tar-Pamlico River basins, and in the Jordan and Falls Lake watersheds, as part of the nutrient-management strategies in these areas. DWR nutrient offset information: http://deq.nc.gov/about/divisions/water-resources/planning/nonpoint-source-management/nutrient-offset-information		
<input type="checkbox"/>	CAMA Permit for MAJOR development	\$250.00 - \$475.00 fee must accompany application	75 days (150 days)
<input type="checkbox"/>	CAMA Permit for MINOR development	\$100.00 fee must accompany application	22 days (25 days)
<input checked="" type="checkbox"/>	Abandonment of any wells, if required must be in accordance with Title 15A. Subchapter 2C.0100.		
<input checked="" type="checkbox"/>	Notification of the proper regional office is requested if "orphan" underground storage tanks (USTS) are discovered during any excavation operation.		
<input checked="" type="checkbox"/>	Plans and specifications for the construction, expansion, or alteration of a public water system must be approved by the Division of Water Resources/Public Water Supply Section prior to the award of a contract or the initiation of construction as per 15A NCAC 18C .0300 et. seq., Plans and specifications should be submitted to 1634 Mail Service Center, Raleigh, North Carolina 27699-1634. All public water supply systems must comply with state and federal drinking water monitoring requirements. For more information, contact the Public Water Supply Section, (919) 707-9100.		30 days
<input type="checkbox"/>	If existing water lines will be relocated during the construction, plans for the water line relocation must be submitted to the Division of Water Resources/Public Water Supply Section at 1634 Mail Service Center, Raleigh, North Carolina 27699-1634. For more information, contact the Public Water Supply Section, (919) 707-9100.		30 days
<input type="checkbox"/>	Plans and specifications for the construction, expansion, or alteration of the _____ water system must be approved through the _____ delegated plan approval authority. Please contact them at _____ for further information.		

State of North Carolina Department of Environmental Quality
 INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: FRO
 Project Number: 23-0242 Due Date: 6/26/2023
 County: Robeson

Other Comments (attach additional pages as necessary, being certain to comment authority)

Division	Initials	No comment	Comments	Date Review
DAQ	JDC	<input checked="" type="checkbox"/>		6/6/2023
DWR-WQROS (Aquifer & Surface)	KMB & KMB	<input checked="" type="checkbox"/>	&	6/21/2023
DWR-PWS	HLC	<input type="checkbox"/>	Applicaton for approval, Plans, Specifications, and other documents need to be submitted and approved by Public Water SUpply before construction starts for a new elevated storage tank.	6/22/2023
DEMLR (LQ & SW)	MAJ	<input type="checkbox"/>	The project is less than one acre and will not require a Sedimentation and Erosion Control Plan nor coverage under the NPDES Construction Stormwater General Permit NCG010000. However, install/maintain appropriate sedimentation and erosion control measures per the Sedimentation Pollution Control Act to prevent off-site sedimentation impacts.	6/13/23
DWM – UST	KEC	<input type="checkbox"/>	The UST Section, Fayetteville Regional Office, does not have record of a reported petroleum release in the general area of concern for this project number. The nearest known USTs are registered under Facility ID # 00-0-0000036755, Robeson County Public Works Department, also at the physical address of 176 Legend Road, Lumberton. DWM Site Locator Tool https://ncdenr.maps.arcgis.com/apps/webappviewer/index.html?id=7dd59be2750b40bebebfa49fc383f688 Registered USTs Record Search https://xapps.ncdenr.org/wm/docs/WMDocs_Search.jsp	6/5/23
Other Comments		<input type="checkbox"/>		/ /

REGIONAL OFFICES

Questions regarding these permits should be addressed to the Regional Office marked below.

- | | | |
|---|--|--|
| <input type="checkbox"/> Asheville Regional Office
2090 U.S. 70 Highway
Swannanoa, NC 28778-8211
Phone: 828-296-4500
Fax: 828-299-7043 | <input checked="" type="checkbox"/> Fayetteville Regional Office
225 Green Street, Suite 714,
Fayetteville, NC 28301-5043
Phone: 910-433-3300
Fax: 910-486-0707 | <input type="checkbox"/> Mooreville Regional Office
610 East Center Avenue, Suite 301,
Mooreville, NC 28115
Phone: 704-663-1699
Fax: 704-663-6040 |
| <input type="checkbox"/> Raleigh Regional Office
3800 Barrett Drive,
Raleigh, NC 27609
Phone: 919-791-4200
Fax: 919-571-4718 | <input type="checkbox"/> Washington Regional Office
943 Washington Square Mall,
Washington, NC 27889
Phone: 252-946-6481
Fax: 252-975-3716 | <input type="checkbox"/> Wilmington Regional Office
127 Cardinal Drive Ext.,
Wilmington, NC 28405
Phone: 910-796-7215
Fax: 910-350-2004 |
| | <input type="checkbox"/> Winston-Salem Regional Office
450 Hanes Mill Road, Suite 300,
Winston-Salem, NC 27105
Phone: 336-776-9800
Fax: 336-776-9797 | |

ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

MICHAEL SCOTT

Director



NORTH CAROLINA
Environmental Quality

MEMORANDUM

TO: Michael Scott, Division Director through Sharon Brinkley

FROM: Amanda Thompson, Environmental Senior Specialist – Solid Waste Section

DATE: June 6, 2023

SUBJECT: Review: SW 23-0242 – Robeson County (Environmental Assessment – NC Department of Public Safety – Proposed project is for the construction of a 500,000-gallon elevated water storage tank, altitude valve, and associated water mains at 176 Legend Road, Lumbertpn.)

The Division of Waste Management, Solid Waste Section (Section) has reviewed the documents submitted for the subject project in Robeson County, NC. Based on the information provided in this document, the Section at this time does not see an adverse impact on the surrounding communities and likewise knows of no situations in the communities which would affect this project.

For any planned or proposed projects, it is recommended that during any land clearing, demolition, and construction, the NC Department of Public Safety and/or its contractors would make every feasible effort to minimize the generation of waste, to recycle materials for which viable markets exist, and to use recycled products and materials in the development of this project where suitable. **Any waste generated by and of the project that cannot be beneficially reused or recycled as described, may require disposal of at a solid waste management facility permitted by the Division. The Section strongly recommends that NC Department of Public Safety require all contractors to provide proof of proper disposal for all generated waste to permitted facilities.**

Permitted solid waste management facilities are listed on the Division of Waste Management, Solid Waste Section portal site at: <https://deq.nc.gov/about/divisions/waste-management/waste-management-rules-data/solid-waste-management-annual-reports/solid-waste-permitted-facility-list>

And the site locator tool at:

<https://ncdenr.maps.arcgis.com/apps/webappviewer/index.html?id=7dd59be2750b40bebebf49fc383f688>

Questions regarding solid waste management for this project should be directed to Mr. David Powell, Environmental Senior Specialist, Solid Waste Section, at (910) 433-3350.

cc: David Powell, Environmental Senior Specialist



North Carolina Department of Environmental Quality | Division of Waste Management
Fayetteville Regional Office | 225 Green Street, Suite 714 | Fayetteville, North Carolina 28301
910.433.3300

ROY COOPER
Governor
ELIZABETH S. BISER
Secretary
MICHAEL SCOTT
Director



Date: June 5, 2023

To: Michael Scott, Director
Division of Waste Management

Through: Janet Macdonald
Inactive Hazardous Sites Branch

From: Katie C Tatum
Inactive Hazardous Sites Branch

Subject: NEPA Project # 23-0242 NC Department of Public Safety, Robeson County, North Carolina

The Superfund Section has reviewed the proximity of sites under its jurisdiction to the NC Department of Public Safety project. Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events.

No (0) Superfund Section sites and no (0) Brownfields Program Sites were identified within one mile of the project as shown on the attached report.

Please contact Janet Macdonald at 919.707.8349 if you have any questions concerning the Superfund Section review portion of this SEPA/NEPA inquiry.



North Carolina Department of Environmental Quality | Division of Waste Management
217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646
919.707.8200



Superfund & Brownfield Sites SEPA/NEPA Review Report

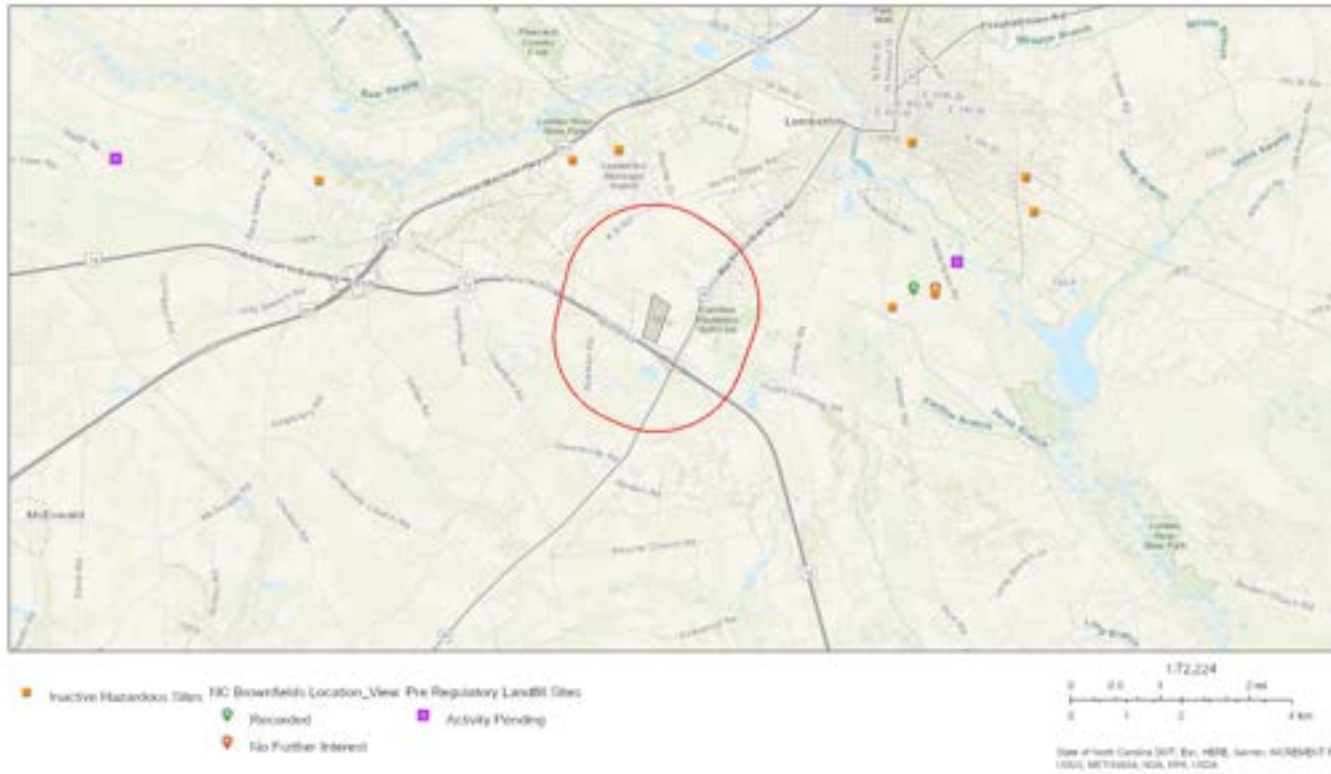
Area of Interest (AOI) Information

Robeson County

NEPA project 23-0242

Area : 2,928.84 acres

Jun 5 2023 13:53:25 Eastern Daylight Time



Superfund and Brownfield Sites
Robeson County NEPA project 23-0242

Summary

Name	Count	Area(acres)	Length(mi)
Certified DSCA Sites	0	N/A	N/A
Federal Remediation Branch Sites	0	N/A	N/A
Inactive Hazardous Sites	0	N/A	N/A
Pre-Regulatory Landfill Sites	0	N/A	N/A
Brownfields Program Sites	0	N/A	N/A

Department of Environmental Quality Project Internal Review

Project Number: 23-0242

County: Robeson

Date Received: 6-2-2023

Due Date: 6-26-2023

Project Description: *Environmental Assessment - Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events.*

This Project is being reviewed as indicated below:

Regional Office	Regional Office Area	In-House Review	
<input type="checkbox"/> Asheville <input checked="" type="checkbox"/> Fayetteville <input type="checkbox"/> Mooresville <input type="checkbox"/> Raleigh <input type="checkbox"/> Washington <input type="checkbox"/> Wilmington <input type="checkbox"/> Winston Salem	<input checked="" type="checkbox"/> Air <input checked="" type="checkbox"/> DWR <input checked="" type="checkbox"/> DWR - Public Water <input checked="" type="checkbox"/> DEMLR (LQ & SW) <input checked="" type="checkbox"/> DWM	<input type="checkbox"/> Air Quality <input checked="" type="checkbox"/> Waste Mgmt <input type="checkbox"/> Water Resources Mgmt (Public Water, Planning & Water Quality Program) <input type="checkbox"/> DWR-Transportation Unit	<input type="checkbox"/> Coastal Management <input type="checkbox"/> Marine Fisheries <input type="checkbox"/> CC & PS Div. of Emergency Mgmt <input type="checkbox"/> DMF-Shellfish Sanitation <input checked="" type="checkbox"/> Wildlife <u>Gabriela</u> <input type="checkbox"/> Wildlife/DOT

Manager Sign-Off/Region:	Date: 6/21/23	In-House Reviewer/Agency: Melodi Deaver, DWM Hazardous Waste
--------------------------	------------------	---

Response (check all applicable)

No objection to project as proposed.
 No Comment

Insufficient information to complete review
 Other (specify or attach comments)

Department of Environmental Quality Project Internal Review

Project Number: 23-0242

County: Robeson

Date Received: 6-2-2023

Due Date: 6-26-2023

Project Description: *Environmental Assessment - Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events.*

This Project is being reviewed as indicated below:

Regional Office	Regional Office Area	In-House Review	
<input type="checkbox"/> Asheville	<input checked="" type="checkbox"/> Air	<input type="checkbox"/> Air Quality	<input type="checkbox"/> Coastal Management
<input checked="" type="checkbox"/> Fayetteville	<input checked="" type="checkbox"/> DWR	<input checked="" type="checkbox"/> Waste Mgmt	<input type="checkbox"/> Marine Fisheries
<input type="checkbox"/> Mooresville	<input checked="" type="checkbox"/> DWR - Public Water	<input type="checkbox"/> Water Resources Mgmt (Public Water, Planning & Water Quality Program)	<input type="checkbox"/> CC & PS Div. of Emergency Mgmt
<input type="checkbox"/> Raleigh	<input checked="" type="checkbox"/> DEMLR (LQ & SW)	<input type="checkbox"/> DWR-Transportation Unit	<input type="checkbox"/> DMF-Shellfish Sanitation
<input type="checkbox"/> Washington	<input checked="" type="checkbox"/> DWM		<input checked="" type="checkbox"/> Wildlife <u>Gabriela</u>
<input type="checkbox"/> Wilmington			<input type="checkbox"/> Wildlife/DOT
<input type="checkbox"/> Winston Salem			

Manager Sign-Off/Region:	Date:	In-House Reviewer/Agency: Gabriela Garrison/NCWRC
--------------------------	-------	---

Response (check all applicable)

No objection to project as proposed.
 No Comment

Insufficient information to complete review
 Other (specify or attach comments)

Control No.: 23-E-4600-0242

Date Received: 6/2/2023

County.: ROBESON

Agency Response: 7/3/2023

Review Closed: 7/3/2023

JINTAO WEN
CLEARINGHOUSE COORDINATOR
DPS - DIV OF EMERGENCY MANAGEMENT

Project Information

Type: National Environmental Policy Act ironmental Assessment

Applicant: NC Department of Public Safety

Project Desc.: Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events.

As a result of this review the following is submitted:

No Comment

Comments Below

Documents Attached

Reviewed By: JINTAO WEN

Date: 6/21/2023

Control No.: 23-E-4600-0242

Date Received: 6/2/2023

County.: ROBESON

Agency Response: 7/3/2023

Review Closed: 7/3/2023

JESSICA MOSLEY
CLEARINGHOUSE COORDINATOR
DEPT OF TRANSPORTATION

Project Information

Type: National Environmental Policy Act ironmental Assessment

Applicant: NC Department of Public Safety

Project Desc.: Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events.

As a result of this review the following is submitted:

No Comment

Comments Below

Documents Attached

Reviewed By: JESSICA MOSLEY

Date: 6/7/2023

SCH Comments on Early Notice



Roy Cooper
Governor

Pamela B. Cashwell
Secretary

February 7, 2024

Andrea Gievers
City of Lumberton
c/o NC Department of Public Safety
Office of Recovery and Resiliency
Durham, NC 27709-

Re: SCH File # 24-E-4600-0198 Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facil

Dear Andrea Gievers:

The above referenced environmental impact information has been submitted to the State Clearinghouse under the provisions of the National Environmental Policy Act. According to G.S. 113A-10, when a state agency is required to prepare an environmental document under the provisions of federal law, the environmental document meets the provisions of the State Environmental Policy Act.

Attached to this letter are comments made by the agencies in the review of this document. If any further environmental review documents are prepared for this project, they should be forwarded to this office for intergovernmental review.

If you have any questions, please do not hesitate to contact me at (984) 236-0000.

Sincerely,

KADISHA MOLYNEAUX
State Environmental Review Clearinghouse

Attachments

Mailing
1301 Mail Service Center | Raleigh, NC 27699-1301



ncadmin.nc.gov

Location
116 West Jones St. | Raleigh NC 27603
984-236-0000 T

Control No.: 24-E-4600-0198

Date Received: 1/22/2024

County.: ROBESON

Agency Response: 2/5/2024

Review Closed: 2/5/2024

JINTAO WEN
CLEARINGHOUSE COORDINATOR
DPS - DIV OF EMERGENCY MANAGEMENT

Project Information

Type: National Environmental Policy Act ping

Applicant: City of Lumberton

Project Desc.: Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events.

Public Notice for HUD 24 CFR §55.20(b) - Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland publishing January 20, 2024

As a result of this review the following is submitted:

No Comment

Comments Below

Documents Attached

Reviewed By: JINTAO WEN

Date: 2/5/2024

Control No.: 24-E-4600-0198

Date Received: 1/22/2024

County.: ROBESON

Agency Response: 2/5/2024

Review Closed: 2/5/2024

JESSICA MOSLEY
CLEARINGHOUSE COORDINATOR
DEPT OF TRANSPORTATION

Project Information

Type: National Environmental Policy Act ping

Applicant: City of Lumberton

Project Desc.: Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events.

Public Notice for HUD 24 CFR §55.20(b) - Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland publishing January 20, 2024

As a result of this review the following is submitted:

No Comment

Comments Below

Documents Attached

Reviewed By: JESSICA MOSLEY

Date: 1/26/2024

Control No.: 24-E-4600-0198

Date Received: 1/22/2024

County.: ROBESON

Agency Response: 2/5/2024

Review Closed: 2/5/2024

DAVID RICHARDSON
CLEARINGHOUSE COOR REGION N
LUMBER RIVER COG

Project Information

Type: National Environmental Policy Act ping

Applicant: City of Lumberton

Project Desc.: Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events.

Public Notice for HUD 24 CFR §55.20(b) - Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland publishing January 20, 2024

As a result of this review the following is submitted:

No Comment

Comments Below

Documents Attached

Reviewed By: DAVID RICHARDSON

Date: 1/22/2024

Control No.: 24-E-4600-0198

Date Received: 1/22/2024

County.: ROBESON

Agency Response: 2/5/2024

Review Closed: 2/5/2024

DEVON BORGARDT
CLEARINGHOUSE COORDINATOR
DEPT OF NATURAL & CULTURAL
RESOURCE

Project Information

Type: National Environmental Policy Act ping

Applicant: City of Lumberton

Project Desc.: Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events.

Public Notice for HUD 24 CFR §55.20(b) - Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland publishing January 20, 2024

As a result of this review the following is submitted:

No Comment

Comments Below

Documents Attached

HPO No Comments ER 23-1356

Reviewed By: DEVON BORGARDT

Date: 1/29/2024



**North Carolina Department of Natural and Cultural Resources
State Historic Preservation Office**

Ramona M. Bartos, Administrator

Governor Roy Cooper
Secretary D. Reid Wilson

Office of Archives and History
Deputy Secretary, Darin J. Waters, Ph.D.

January 29, 2024

MEMORANDUM

TO: Kadisha Molyneaux
North Carolina State Clearinghouse
Department of Administration

kadisha.molyneaux@doa.nc.gov

FROM: Ramona M. Bartos, Deputy
State Historic Preservation Officer

RMB for Ramona M. Bartos

SUBJECT: Construct water tank, 176 Legend Road, Lumberton, Robeson County, 24-E-4600-0198,
ER 23-1356

Thank you for your email of January 22, 2024, concerning the above project.

We have conducted a review of the project and are aware of no historic resources which would be affected by the project. Therefore, we have no comment on the project as proposed.

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, contact Renee Gledhill-Earley, environmental review coordinator, at 919-814-6579 or environmental.review@dncr.nc.gov. In all future communication concerning this project, please cite the above referenced tracking number.

Control No.: 24-E-4600-0198

Date Received: 1/22/2024

County.: ROBESON

Agency Response: 2/5/2024

Review Closed: 2/5/2024

LYN BILES
CLEARINGHOUSE COORDINATOR
DEPT OF ENVIRONMENTAL QUALITY

Project Information

Type: National Environmental Policy Act ping

Applicant: City of Lumberton

Project Desc.: Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events.

Public Notice for HUD 24 CFR §55.20(b) - Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland publishing January 20, 2024

As a result of this review the following is submitted:

No Comment

Comments Below

Documents Attached

Reviewed By: LYN BILES

Date: 2/5/2024



ROY COOPER
Governor

ELIZABETH S. BISER
Secretary

To: Kadisha Molyneaux
State Clearinghouse
NC Department of Administration

From: Lyn Biles
Division of Environmental Assistance and Customer Service
Washington Regional Office

Re: 24-0198
Scoping - Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events.
Robeson County

Date: February 5, 2024

The Department of Environmental Quality has reviewed the proposal for the referenced project. Based on the information provided, several of our agencies have identified permits that may be required and offered some valuable guidance. The comments are attached for the applicants review.

The Department will continue to be available to assist the applicant with any questions or concerns.

Thank you for the opportunity to respond.

Attachments



North Carolina Department of Environmental Quality
217 West Jones Street | 1601 Mail Service Center | Raleigh, North Carolina 27699-1601
919.707.8600

ROY COOPER
Governor
ELIZABETH S. BISER
Secretary
MICHAEL SCOTT
Director



MEMORANDUM

TO: Michael Scott, Division Director through Sharon Brinkley

FROM: Amanda Thompson, Environmental Senior Specialist – Solid Waste Section

DATE: February 1, 2024

SUBJECT: Review: SW 24-0198 – Robeson County (Scoping – City of Lumberton – Proposed project is for the construction of a 500,000-gallon elevated water storage tank at 176 Legend Rd. in Lumberton.)

The Division of Waste Management, Solid Waste Section (Section) has reviewed the documents submitted for the subject project in Robeson County, NC. Based on the information provided in this document, the Section at this time does not see an adverse impact on the surrounding communities and likewise knows of no situations in the communities which would affect this project.

For any planned or proposed projects, it is recommended that during any land clearing, demolition, and construction, the City of Lumberton and/or its contractors would make every feasible effort to minimize the generation of waste, to recycle materials for which viable markets exist, and to use recycled products and materials in the development of this project where suitable. **Any waste generated by and of the project that cannot be beneficially reused or recycled as described, may require disposal at a solid waste management facility permitted by the Division. The Section strongly recommends that the City of Lumberton require all contractors to provide proof of proper disposal for all generated waste to permitted facilities.**

Permitted solid waste management facilities are listed on the Division of Waste Management, Solid Waste Section portal site at: <https://deq.nc.gov/about/divisions/waste-management/waste-management-rules-data/solid-waste-management-annual-reports/solid-waste-permitted-facility-list>

And the site locator tool at:

<https://ncdenr.maps.arcgis.com/apps/webappviewer/index.html?id=7dd59be2750b40bebebf49fc383f688>

Questions regarding solid waste management for this project should be directed to Mr. David Powell, Environmental Senior Specialist, Solid Waste Section, at (910) 280-5135.

cc: David Powell, Environmental Senior Specialist



ROY COOPER
Governor
ELIZABETH S. BISER
Secretary
MICHAEL SCOTT
Director



Date: January 24, 2024

To: Michael Scott, Director
Division of Waste Management

Through: Janet Macdonald
Inactive Hazardous Sites Branch

From: Katie C Tatum
Inactive Hazardous Sites Branch

Subject: NEPA Project # 24-0198 City of Lumberton, Robeson County, North Carolina

The Superfund Section has reviewed the proximity of sites under its jurisdiction to the The City of Lumberton project. Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events.

No (0) Superfund Section sites and no (0) Brownfields Program Sites were identified within one mile of the project as shown on the attached report.

Please contact Janet Macdonald at 919.707.8349 if you have any questions concerning the Superfund Section review portion of this SEPA/NEPA inquiry.



North Carolina Department of Environmental Quality | Division of Waste Management
217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646
919.707.8200

Area of Interest (AOI) Information

Robeson County NEPA project 24-0198

Area : 2,609.36 acres

Jan 24 2024 14:18:56 Eastern Standard Time



Summary

Name	Count	Area(acres)	Length(mi)
Certified DSCA Sites	0	N/A	N/A
Federal Remediation Branch Sites	0	N/A	N/A
Inactive Hazardous Sites	0	N/A	N/A
Pre-Regulatory Landfill Sites	0	N/A	N/A
Brownfields Program Sites	0	N/A	N/A

State of North Carolina Department of Environmental Quality
 INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: FRO
 Project Number: 24-0198 Due Date: 02/05/2024
 County: Robeson

After review of this project, it has been determined that the DEQ permit(s) and/or approvals indicated may need to be obtained for this project to comply with North Carolina Law. Questions regarding these permits should be addressed to the Regional Office indicated on the reverse of the form. All applications, information and guidelines relative to these plans and permits are available from the same Regional Office.

	PERMITS	SPECIAL APPLICATION PROCEDURES or REQUIREMENTS	Normal Process Time (Statutory time limit)
<input checked="" type="checkbox"/>	Permit to construct & operate wastewater treatment facilities, non-standard sewer system extensions & sewer systems that do not discharge into state surface waters.	Application 90 days before begins construction or award of construction contracts. On-site inspection may be required. Post-application technical conference usual.	30 days (90 days)
<input checked="" type="checkbox"/>	Permit to construct & operate, sewer extensions involving gravity sewers, pump stations and force mains discharging into a sewer collection system	Fast-Track Permitting program consists of the submittal of an application and an engineer's certification that the project meets all applicable State rules and Division Minimum Design Criteria.	30 days (N/A)
<input checked="" type="checkbox"/>	NPDES - permit to discharge into surface water and/or permit to operate and construct wastewater facilities discharging into state surface waters.	Application 180 days before begins activity. On-site inspection. Pre-application conference usual. Additionally, obtain permit to construct wastewater treatment facility granted after NPDES. Reply time, 30 days after receipt of plans or issue of NPDES permit-whichever is later.	90-120 days (N/A)
<input type="checkbox"/>	Water Use Permit	Pre-application technical conference usually necessary.	30 days (N/A)
<input type="checkbox"/>	Well Construction Permit	Complete application must be received, and permit issued prior to the installation of a groundwater monitoring well located on property not owned by the applicant, and for a large capacity (>100,000 gallons per day) water supply well.	7 days (15 days)
<input type="checkbox"/>	Dredge and Fill Permit	Application copy must be served on each adjacent riparian property owner. On-site inspection. Pre-application conference usual. Filling may require Easement to Fill from N.C. Department of Administration and Federal Dredge and Fill Permit.	55 days (90 days)
<input type="checkbox"/>	Permit to construct & operate Air Pollution Abatement facilities and/or Emission Sources as per 15 A NCAC (2Q.0100 thru 2Q.0300)	Application must be submitted, and permit received prior to construction and operation of the source. If a permit is required in an area without local zoning, then there are additional requirements and timelines (2Q.0113).	90 days
<input checked="" type="checkbox"/>	Any open burning associated with subject proposal must be in compliance with 15 A NCAC 2D.1900	N/A	60 days (90 days)
<input type="checkbox"/>	Demolition or renovations of structures containing asbestos material must be in compliance with 15 A NCAC 20.1110 (a) (1) which requires notification and removal prior to demolition. Contact Asbestos Control Group 919-707-5950	Please Note - The Health Hazards Control Unit (HHCU) of the N.C. Department of Health and Human Services, must be notified of plans to demolish a building, including residences for commercial or industrial expansion, even if no asbestos is present in the building.	60 days (90 days)
<input type="checkbox"/>	The Sedimentation Pollution Control Act of 1973 must be properly addressed for any land disturbing activity. An erosion & sedimentation control plan will be required if one or more acres are to be disturbed. Plan must be filed with and approved by applicable Regional Office (Land Quality Section) at least 30 days before beginning activity. A NPDES Construction Stormwater permit (NCG010000) is also usually issued should design features meet minimum requirements. A fee of \$100 for the first acre or any part of an acre. An express review option is available with additional fees.		20 days (30 days)
<input type="checkbox"/>	Sedimentation and erosion control must be addressed in accordance with NCDOT's approved program. Particular attention should be given to design and installation of appropriate perimeter sediment trapping devices as well as stable Stormwater conveyances and outlets.		(30 days)
<input type="checkbox"/>	Sedimentation and erosion control must be addressed in accordance with _____ Local Government's approved program. Particular attention should be given to design and installation of appropriate perimeter sediment trapping devices as well as stable Stormwater conveyances and outlets.		Based on Local Program
<input type="checkbox"/>	Compliance with 15A NCAC 04B .0125 – Buffers Zones for Trout Waters shall have an undisturbed buffer zone 25 feet wide or of sufficient width to confine visible siltation within the twenty-five percent (25%) of the buffer zone nearest the land-disturbing activity, whichever is greater.		
<input type="checkbox"/>	Compliance with 15A NCAC 2H .0126 - NPDES Stormwater Program which regulates three types of activities: Industrial, Municipal Separate Storm Sewer System & Construction activities that disturb ≥1 acre.		30-60 days (90 days)
<input type="checkbox"/>	Compliance with 15A NCAC 2H 1000 -State Stormwater Permitting Programs regulate site development and post-construction stormwater runoff control. Areas subject to these permit programs include all 20 coastal counties, and various other counties and watersheds throughout the state.		45 days (90 days)

State of North Carolina Department of Environmental Quality
 INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: FRO
 Project Number: 24-0198 Due Date: 02/05/2024
 County: Robeson

	PERMITS	SPECIAL APPLICATION PROCEDURES or REQUIREMENTS	Normal Process Time (Statutory time limit)
<input type="checkbox"/>	Mining Permit	On-site inspection usual. Surety bond filed with DEQ Bond amount varies with type mine and number of acres of affected land. Affected area greater than one acre must be permitted. The appropriate bond must be received before the permit can be issued.	30 days (60 days)
<input type="checkbox"/>	Dam Safety Permit	If permit required, application 60 days before begin construction. Applicant must hire N.C. qualified engineer to prepare plans, inspect construction, and certify construction is according to DEQ approved plans. May also require a permit under mosquito control program. And a 404 permit from Corps of Engineers. An inspection of site is necessary to verify Hazard Classification. A minimum fee of \$200.00 must accompany the application. An additional processing fee based on a percentage, or the total project cost will be required upon completion.	30 days (60 days)
<input type="checkbox"/>	Oil Refining Facilities	N/A	90-120 days (N/A)
<input type="checkbox"/>	Permit to drill exploratory oil or gas well	File surety bond of \$5,000 with DEQ running to State of NC conditional that any well opened by drill operator shall, upon abandonment, be plugged according to DEQ rules and regulations.	10 days N/A
<input type="checkbox"/>	Geophysical Exploration Permit	Application filed with DEQ at least 10 days prior to issue of permit. Application by letter. No standard application forms.	10 days N/A
<input type="checkbox"/>	State Lakes Construction Permit	Application fee based on structure size is charged. Must include descriptions & drawings of structure & proof of ownership of riparian property	15-20 days N/A
<input checked="" type="checkbox"/>	401 Water Quality Certification	Compliance with the T15A 02H .0500 Certifications are required whenever construction or operation of facilities will result in a discharge into navigable water as described in 33 CFR part 323.	60 days (130 days)
<input type="checkbox"/>	Compliance with Catawba, Goose Creek, Jordan Lake, Randleman, Tar Pamlico or Neuse Riparian Buffer Rules is required. Buffer requirements: http://deq.nc.gov/about/divisions/water-resources/water-resources-permits/wastewater-branch/401-wetlands-buffer-permits/401-riparian-buffer-protection-program		
<input type="checkbox"/>	Nutrient Offset: Loading requirements for nitrogen and phosphorus in the Neuse and Tar-Pamlico River basins, and in the Jordan and Falls Lake watersheds, as part of the nutrient-management strategies in these areas. DWR nutrient offset information: http://deq.nc.gov/about/divisions/water-resources/planning/nonpoint-source-management/nutrient-offset-information		
<input type="checkbox"/>	CAMA Permit for MAJOR development	\$250.00 - \$475.00 fee must accompany application	75 days (150 days)
<input type="checkbox"/>	CAMA Permit for MINOR development	\$100.00 fee must accompany application	22 days (25 days)
<input checked="" type="checkbox"/>	Abandonment of any wells, if required must be in accordance with Title 15A. Subchapter 2C.0100.		
<input checked="" type="checkbox"/>	Notification of the proper regional office is requested if "orphan" underground storage tanks (USTS) are discovered during any excavation operation.		
<input checked="" type="checkbox"/>	Plans and specifications for the construction, expansion, or alteration of a public water system must be approved by the Division of Water Resources/Public Water Supply Section prior to the award of a contract or the initiation of construction as per 15A NCAC 18C .0300 et. seq., Plans and specifications should be submitted to 1634 Mail Service Center, Raleigh, North Carolina 27699-1634. All public water supply systems must comply with state and federal drinking water monitoring requirements. For more information, contact the Public Water Supply Section, (919) 707-9100.		30 days
<input type="checkbox"/>	If existing water lines will be relocated during the construction, plans for the water line relocation must be submitted to the Division of Water Resources/Public Water Supply Section at 1634 Mail Service Center, Raleigh, North Carolina 27699-1634. For more information, contact the Public Water Supply Section, (919) 707-9100.		30 days
<input type="checkbox"/>	Plans and specifications for the construction, expansion, or alteration of the _____ water system must be approved through the _____ delegated plan approval authority. Please contact them at _____ for further information.		

State of North Carolina Department of Environmental Quality
 INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: FRO
 Project Number: 24-0198 Due Date: 02/05/2024
 County: Robeson

Other Comments (attach additional pages as necessary, being certain to comment authority)

Division	Initials	No comment	Comments	Date Review
DAQ	JDC	<input checked="" type="checkbox"/>		1/23/24
DWR-WQROS (Aquifer & Surface)	CCT & CCT	<input type="checkbox"/>	Corps of Engineers has determined that the project would not impact Waters of the US, so no 404/401 necessary &	1/30/24
DWR-PWS	HLC	<input type="checkbox"/>	Plans and Specifications must be submitted to the Public Water Supply Section and an Authorization to Construct issued prior to beginning any construction. Also, note The Rules Governing Public Water Systems, Title 15A Subchapter 18C15A NCAC 18C Section .1531 states "SITING REQUIREMENTS (a) Any person constructing or modifying a public water system shall to the extent practicable, avoid locating all or part of a new or expanded facility at a site which: (1) is subject to a significant risk from earthquakes, floods, fires or other disasters which could cause breakdown of the public water system or a portion thereof; or (2) except for intake structures, is within the floodplain of a 100-year flood or slower than any recorded high tide where appropriate records exist."	1/23/24
DEMLR (LQ & SW)	MAJ	<input type="checkbox"/>	Submit an erosion and sediment control plan (ESCP) at least 30 days prior to initiating land-disturbing activity that satisfy the one (1) acre regulatory threshold. Additional information pertaining to our ESCP application process may be found at Erosion and Sediment Control NC DEQ Obtain NPDES Construction Stormwater General Permit NCG010000 Certificate of Coverage prior to initiating land-disturbing activity following approval of the ESCP.	1/29/24
DWM – UST	KEC	<input type="checkbox"/>	The UST Section, Fayetteville Regional Office, does not have records of a reported petroleum release in the general area of concern for this project number. However, there are records of three registered USTs (Facility ID #00-0-0000036755) located at 176 Legend Road, Lumberton. Questions regarding UST compliance should be directed to Pam Harrelson, UST Section, (910) 728-8787, pamelah.harrelson@deq.nc.gov DWM Site Locator Tool https://ncdenr.maps.arcgis.com/apps/webappviewer/index.html?id=7dd59be2750b40bebebf49fc383f688 Registered UST Records Search https://xapps.ncdenr.org/wm/docs/WMDocs_Search.jsp	1/23/24
Other Comments		<input type="checkbox"/>		/ /

REGIONAL OFFICES

Questions regarding these permits should be addressed to the Regional Office marked below.

- | | | |
|---|--|--|
| <input type="checkbox"/> Asheville Regional Office
2090 U.S. 70 Highway
Swannanoa, NC 28778-8211
Phone: 828-296-4500
Fax: 828-299-7043 | <input checked="" type="checkbox"/> Fayetteville Regional Office
225 Green Street, Suite 714,
Fayetteville, NC 28301-5043
Phone: 910-433-3300
Fax: 910-486-0707 | <input type="checkbox"/> Mooresville Regional Office
610 East Center Avenue, Suite 301,
Mooresville, NC 28115
Phone: 704-663-1699
Fax: 704-663-6040 |
| <input type="checkbox"/> Raleigh Regional Office
3800 Barrett Drive,
Raleigh, NC 27609
Phone: 919-791-4200
Fax: 919-571-4718 | <input type="checkbox"/> Washington Regional Office
943 Washington Square Mall,
Washington, NC 27889
Phone: 252-946-6481
Fax: 252-975-3716 | <input type="checkbox"/> Wilmington Regional Office
127 Cardinal Drive Ext.,
Wilmington, NC 28405
Phone: 910-796-7215
Fax: 910-350-2004 |

State of North Carolina Department of Environmental Quality
INTERGOVERNMENTAL REVIEW PROJECT COMMENTS



Winston-Salem Regional Office
450 Hanes Mill Road, Suite 300,
Winston-Salem, NC 27105
Phone: 336-776-9800
Fax: 336-776-9797

Department of Environmental Quality Project Review

Project Number: 24-0198

County: Robeson

Date Received: 1-22-2024

Due Date: 2-5-2024

Project Description:

Scoping - Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events. Public Notice for HUD 24 CFR §55.20(b) - Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland publishing January 20, 2024

This Project is being reviewed as indicated below:

Regional Office	Regional Office Area	In-House Review	
<input type="checkbox"/> Asheville <input checked="" type="checkbox"/> Fayetteville <input type="checkbox"/> Mooresville <input type="checkbox"/> Raleigh <input type="checkbox"/> Washington <input type="checkbox"/> Wilmington <input type="checkbox"/> Winston Salem	<input checked="" type="checkbox"/> Air <input checked="" type="checkbox"/> DWR <input checked="" type="checkbox"/> DWR - Public Water <input checked="" type="checkbox"/> DEMLR (LQ & SW) <input checked="" type="checkbox"/> DWM	<input type="checkbox"/> Air Quality <input checked="" type="checkbox"/> Waste Mgmt <input checked="" type="checkbox"/> Water Resources Mgmt (Public Water, Planning & Water Quality Program) <input type="checkbox"/> DWR-Transportation Unit	<input type="checkbox"/> Coastal Management <input type="checkbox"/> Marine Fisheries <input type="checkbox"/> CC & PS Div. of Emergency Mgmt <input type="checkbox"/> DMF-Shellfish Sanitation <input checked="" type="checkbox"/> Wildlife <u>Gabriela</u> <input type="checkbox"/> Wildlife/DOT

Manager Sign-Off/Region:	Date: 1/25/2024	In-House Reviewer/Agency: DWR/WRM/David Wainwright
--------------------------	--------------------	---

Response (check all applicable)

No objection to project as proposed.
 No Comment

Insufficient information to complete review
 Other (specify or attach comments)

Department of Environmental Quality

Project Review

Project Number: 24-0198

County: Robeson

Date Received: 1-22-2024

Due Date: 2-5-2024

Project Description:

Scoping - Proposed project is for the Legend Road Water Tank at 176 Legend Road, Lumberton, NC. Project will construct a 500,000-gallon elevated water storage tank, altitude valve and associated water mains to prevent future water service interruptions and allow for continued operation of these critical facilities during and following future storm events. Public Notice for HUD 24 CFR §55.20(b) - Early Notice and Public Review of a Proposed Activity in a 100-Year Floodplain and Wetland publishing January 20, 2024

This Project is being reviewed as indicated below:

Regional Office	Regional Office Area	In-House Review	
Asheville	Air	Air Quality	Coastal Management
Fayetteville	DWR	Waste Mgmt	Marine Fisheries
Mooreville	DWR - Public Water	Water Resources Mgmt (Public Water, Planning & Water Quality Program)	CC & PS Div. of Emergency Mgmt
Raleigh	DEMLR (LQ & SW)		DMF-Shellfish Sanitation
Washington	DWM	DWR-Transportation Unit	Wildlife <u>Gabriela</u>
Wilmington			Wildlife/DOT
Winston Salem			

Manager Sign-Off/Region:	Date: 2/2/24	In-House Reviewer/Agency: Melodi Deaver, DWM Hazardous Waste
--------------------------	-----------------	---

Response (check all applicable)

No objection to project as proposed.
 No Comment

Insufficient information to complete review
 Other (specify or attach comments)

**SCH Comments on FONSI/NOI-RROF/Final
Notice**