



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

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**Environmental Review for Activity/Project that is Categorically
Excluded Subject to Section 58.5
Pursuant to 24 CFR 58.35(a)**

Project Information

Project Name: Town of Fairmont WWTP Improvements

Project Location: 133 Woodrow Road, Orrum, Robeson County, NC 28369

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

Responsible Entity: North Carolina Office of Recovery and Resiliency (NCORR), P.O. Box 110465, Durham, NC 27709

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:

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Project Location:

The proposed project site (Subject Property) is owned by the Town of Fairmont consisting of the approximately 10.24-acre parcel, Parcel ID #12160101703B, located at 133 Woodrow Road, Orrum, Robeson County, NC 28369 (**Attachment 1**).

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

The State of North Carolina was adversely impacted by the landfall of Hurricane Matthew (October 8, 2016). During the Hurricane Matthew storm event, the Town of Fairmont was negatively impacted by severe rains and subsequent flooding of critical infrastructure, which hindered the operation of the Fairmont Waste Water Treatment Plant (WWTP). Floodwaters encroached upon the WWTP which was weakened by the storm resulting in less than optimum performance. The objective is to make the plant more resilient and capable of handling excess waste water without service interruptions during future storm events. The elevation of the effluent pump station will ensure that it can continue to pump during future storm events.

Robeson County has requested HUD CDBG-MIT funding for improvements to the existing Town of Fairmont WWTP which must remain in operation throughout the duration of the project. The contractor will use bypass pumping, temporary electrical service, and temporary process water pumping systems as necessary to ensure operation is not interrupted. The proposed project includes *effluent pump station* improvements consisting of removal of the process water pumping system enclosure, drop legs, pumps, pipes, and valves; elevating the wet well, valve vault top slabs, and access approximately two feet; addition of a bypass pump connection on the existing 10-inch effluent force main; relocation of existing pump control and electrical components to an elevated structure; and all necessary associated improvements such as replacement of wiring, pump leads, and pump guide rails; modification or replacement of pump removal system and float controls; and the addition of junction boxes and new connections to the wet well. The proposed project includes either the complete rebuild or removal and replacement of the existing Huber Technology Model SSF3000x726x3 step *mechanical bar screen* with new equipment and all necessary associated improvements such as control panel component replacement and modifications to electrical components and existing structures. There will also be removal and replacement of three *blower control panels* each with a new weather hood and enclosures for the existing 125 Hp Lamson model 850 blowers and replacement of the existing bearing temperature sensor and current transformer (CT) in the existing motor control center (MCC). The replacement of the blower control panels will be given priority. There will be *elevated access walkway* improvements and the existing *hydraulic power pack unit* for the ram press will be removed and relocated and/or replaced along with all hydraulic hoses and wiring modifications. The top of the wet well will be elevated two feet to 86.97 feet and the top of the valve vault will be elevated to 86.97 feet from the current 84.52 feet. The electrical pad will be replaced and elevated to a top of slab elevation of 86.97 feet. The ground disturbance will be limited to the elevation of the wet well and electrical controls which would add approximately 350 – 400 cubic yards (cy) of fill at the wet well and make a smooth transition back to existing grade. There is no tree removal anticipated.

Level of Environmental Review Determination:

Categorically Excluded per 24 CFR 58.35(a), and subject to laws and authorities at §58.5: (a)(1) Acquisition, repair, improvement, reconstruction, or rehabilitation of public facilities and improvements (other than buildings) when the facilities and improvements are in place and will be retained in the same use without change in size or capacity of more than 20 percent (e.g., replacement of water or sewer lines, reconstruction of curbs and sidewalks, repaving of streets).

Funding Information

Grant Number	HUD Program	Funding Amount
B-18-DP-37-0001	CDBG-MIT	\$575,000.00

Estimated Total HUD Funded Amount: \$575,000.00

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$575,000.00

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 & 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. There are no military airports located within 15,000 feet of the Subject Property. No additional review is required.

		Attachment 2: NEPA Assist Airport Map with 15,000-foot Buffer.
<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). 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) and Preliminary FIRM (PFIRM) panel 3720020500K, effective on 12/6/2019, the Subject Property contains Zone X, 100-year floodplain (Zone AE) and 500-year floodplain. The WWTP facility is mostly located within Zone X, an area of minimal flood hazard, outside of Special Flood Hazard Area (SFHA). A small office building in the southwest corner of the parcel and portions of the chain link fencing are located in 100-year floodplain (Zone AE) and 500-year floodplain. The effluent pump station and entrance gate are wholly located in 100-year floodplain (Zone AE). The Subject Property is not located within a FEMA-designated regulatory floodway. The Town of Fairmont (370205#) is a participating community in the National Flood Insurance Program (NFIP).</p> <p>The effluent pump station improvements are the <i>only</i> proposed project activities in 100-year floodplain (Zone AE). The elevation of the effluent pump station will ensure that it can continue to pump during future storm events. The top of the wet well will be elevated two feet to 86.97 feet and the top of the valve vault will be elevated to 86.97 feet from the current 84.52 feet. The electrical pad will be replaced and elevated to a top of slab elevation of 86.97 feet. The ground disturbance will be limited to the elevation of the wet well and electrical controls which would add approximately 350 – 400 cubic yards (cy) of fill at the wet well and make a smooth transition back to existing grade.</p>

		<p>While the effluent pump station is located within 100-year floodplain (SFHA, Zone AE), flood insurance is not required for the proposed project. According to the NFIP Flood Insurance Manual effective October 1, 2022, underground structures such as the effluent pump station and associated valve vault are not insurable structures. In addition, the associated control panel is not considered a structure and is not insurable. Therefore, flood insurance is not required for the proposed project. The proposed project is in compliance with flood insurance requirements.</p> <p>Since the proposed project involves modification of 100-year floodplain, compliance with 24 CFR 55 and Executive Order (EO) 11988 is required. The EO 11988 Floodplain Management Determination for the proposed project documents the 5-step process under 24 CFR 55 in Attachment 9.</p> <p>Attachment 4: FEMA FIRMettes and PFIRM (same) with Parcel Boundary and NFIP Community Status Book.</p>
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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 proposed improvements and operation of the Fairmont WWTP 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>
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		<p>The proposed project involves improvements to an existing WWTP. 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 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</p>
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		Pollutants (EPA Green Book). <i>See also, Recent Updates: Federal Register Notices Published or Effective After March 31, 2024 Green Book US EPA online.</i>
<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 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 by Bill Blankenship, and no hazards were identified (<i>see</i> Site Visit Questionnaire in Attachment 7). According to the NC Department of Environmental Quality (DEQ) Division of Waste Management (DWM) Underground Storage Tank (UST) Section, there are no records of reported petroleum releases nor records of registered USTs in the proposed project area. According to Tommy Fields, ORC, Town of Fairmont Public Works, there are no USTs located onsite (<i>see</i> Telephone Conversation Record in Attachment 7).</p> <p>There is no proposed change in land use. Based on available historical aerials (City Directory entries and Sanborn Maps were not available for this location), the Subject Property was rural, mostly forested land before being developed as the current Town of Fairmont WWTP facility around 2001 (Attachment 7). 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 (Attachment 7).</p>

NEPAssist and the NC DEQ DWM Site Locator Tool were used to review potentially hazardous sites within a one mile radius of the Subject Property (**Attachment 7**). According to NEPAssist, there are no Brownfields, Superfund, Toxic Release Inventory (TRI), hazardous waste (RCRA), NPDES water discharger or air emission facility sites located within a one-mile radius search of the Subject Property. According to NC DEQ DWM comments, there are no Superfund Section or Brownfields Program sites identified within one mile of the Subject Property (**Attachment 14**). The NC DEQ DWM Site Locator Tool does not identify a toxic or solid waste landfill (including pre-regulatory landfill sites) within 3,000 feet of the Subject Property (**Attachment 7**).

Radon was evaluated since there is a 5-hour+ per day occupied office building at the Fairmont WWTP facility on the Subject Property (*see* Telephone Conversation Record in **Attachment 7**). NCORR used HUD-approved available science-based data to determine whether the Subject Property is located in an area that has average documented radon levels at or above 4.0 pCi/L (**Attachment 7**). The CDC National Environmental Public Health Tracking Network (Data Explorer) was consulted for data reported to CDC by state governments on annual mean, pre-mitigation radon level measurements in tested buildings for 2002-2013 for Robeson County. The average documented radon levels for Robeson County over the previous ten years is 0.49 pCi/L with a total of 125 buildings tested. No additional steps are required for radon testing or mitigation.

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 Town of Fairmont/USDA-HUD & CDBG-MIT 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

		<p>recycled as described, may require disposal at a solid waste management facility permitted by the Division. The Section strongly recommends that the Town of Fairmont/USDA-HUD & CDBG-MIT require all contractors to provide proof of proper disposal for all generated waste to permitted facilities.” In addition, any “open burning associated with subject proposal must be in compliance with 15A NCAC 2D.1900.” (See State Environmental Clearinghouse (SCH) Comments in Attachment 14.)</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 as an existing WWTP facility. Therefore, a Phase I Environmental Site Assessment (ESA) or Phase II Investigation is not warranted.</p> <p>Attachment 7: NEPA Assist EPA Facilities Report and Map with 1-mile Buffer, NC DEQ DWM Site Locator Report and Map with 1-mile Buffer, Site Visit Questionnaire, Site Visit Photographs, Historical Aerials, Telephone Conversation Record, and Radon Levels Based on CDC National Environmental Public Health Tracking Network Data. See also, Attachment 14: 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. According to the NC NHP database, there is one federally-listed species within one mile of the proposed project area, the threatened (similar appearance) American Alligator (<i>Alligator mississippiensis</i>). The Official Species List identified a total of six threatened, endangered or candidate species and no critical habitat within one mile of the proposed project area. These species include the proposed endangered Tricolored Bat (<i>Perimyotis subflavus</i>), endangered Red-cockaded Woodpecker (<i>Picoides</i></p>

		<p>borealis), threatened Wood Stork (<i>Mycteria americana</i>), threatened (similar appearance) American Alligator (<i>Alligator mississippiensis</i>), endangered Michaux's Sumac (<i>Rhus michauxii</i>) and candidate Monarch Butterfly (<i>Danaus plexippus</i>). According to the USFWS and NMFS critical habitat mappers, there is no critical habitat in or adjacent to the Subject Property. 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 five migratory birds including the American Kestrel (<i>Falco sparverius</i> Paulus), Chimney Swift (<i>Chaetura pelagica</i>), Prothonotary Warbler (<i>Protonotaria citrea</i>), Red-headed Woodpecker (<i>Melanerpes erythrocephalus</i>), and Wood Thrush (<i>Hylocichla mustelina</i>). It is anticipated that no trees will be removed and any migratory birds in the area will temporarily leave the area during repairs and construction.</p> <p>The proposed project entails improvements to the existing Town of Fairmont WWTP. The WWTP is situated within a cleared, regularly mowed, fenced-in area with an access road on the Town-owned parcel. 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.</p> <p>Therefore, the proposed project was determined to have "no effect" on proposed/ listed species and/or proposed/ designated critical habitat, except for a "not likely to jeopardize species' continued existence" for the proposed Tricolored Bat, 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</p>
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		<p>submitted to the USFWS Raleigh Field Office (FO) on February 16, 2024. 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> <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</p> <p><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 improvements to an existing WWTP 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</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The proposed project involves improvements to an existing WWTP. Therefore, 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.” Thus, the</p>

		<p>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 proposed project is exempt from the FPPA. Thus, no further review is required. The proposed project is in compliance with this section.</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 and PFIRM panel 3720020500K, effective on 12/6/2019, the Subject Property contains Zone X, 100-year floodplain (Zone AE), and 500-year floodplain. The WWTP facility is mostly located within Zone X, an area of minimal flood hazard, outside of SFHA. A small office building in the southwest corner of the parcel and portions of the chain link fencing are located in 100-year floodplain (Zone AE) and 500-year floodplain. The effluent pump station and entrance gate are wholly located in 100-year floodplain (Zone AE). The effluent pump station improvements are the <i>only</i> proposed project activities located in 100-year floodplain (Zone AE). An estimated 4.29 acres of the parcel are located in Zone X, with a small fringe area of 500-year floodplain and the remaining acreage in Zone AE. The Subject Property is not located within a FEMA-designated regulatory floodway. Based on aerial and site visit photographs, there has been previous, significant site modification including fill and development for the existing fenced-in WWTP facility.</p> <p>Since the proposed project involves modification of 100-year floodplain, compliance with 24 CFR 55 and Executive Order (EO) 11988 is required. Under <i>24 CFR 55.12 Inapplicability of 24 CFR part 55 to certain categories of proposed actions</i>, section (a)(4) includes “HUD’s or the recipient’s actions under any HUD program involving the repair, rehabilitation, modernization, weatherization, or improvement of existing nonresidential buildings and structures, in communities that are in the Regular Program of the NFIP and are in good standing, provided that the action does not meet the thresholds for ‘substantial improvement’ under § 55.2(b)(10) and that the footprint of the structure and paved areas is <i>not significantly increased</i>” (emphasis added). The Town of Fairmont (370205#) is a</p>

participating community in good standing in the regular program of the NFIP (**Attachment 4**). Under 24 CFR 55.2(b)(10)(i), “Substantial improvement means either (A) Any repair, reconstruction, modernization or improvement of a structure, the cost of which equals or exceeds 50 percent of the market value of the structure either: (1) Before the improvement or repair is started; or (2) If the structure has been damaged, and is being restored, before the damage occurred; or (B) Any repair, reconstruction, modernization or improvement of a structure that results in an increase of more than twenty percent in the number of dwelling units in a residential project or in the average peak number of customers and employees likely to be on-site at any one time for a commercial or industrial project.” This municipal WWTP rehabilitation and elevation project does not significantly increase the structure’s footprint or paved areas. The proposed project involves rehabilitation, repairs and improvements to existing structures at the Fairmont WWTP facility. The proposed activities include elevation and associated improvements to the *effluent pump station*, rebuild or removal and replacement of *mechanical bar screen* and associated improvements, removal and replacement of three *blower control panels*, *elevated access walkway* improvements and the existing *hydraulic power pack unit* for the ram press will be removed and relocated and/or replaced along with all hydraulic hoses and wiring modifications. These are considered “minor improvements” under 24 CFR 55.2(b)(10)(iii). Thus, under 24 CFR 55.12(a)(4), the proposed project can follow the 5-step process, and the decision-making steps in § 55.20(b), (c), and (g) (steps 2, 3, and 7) do not apply. As such, the modified five-step floodplain determination process in §55.20 is required, and the EO 11988 Floodplain Management Determination for the proposed project documents the 5-step process in **Attachment 9**.

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

		<p>received from the permitting agencies. A local floodplain development permit will be obtained, if required. According to the U.S. Army Corps of Engineers (USACE) and NC DEQ Division of Water Resources (DWR), a Pre-construction Notice (PCN) and Clean Water Act Section 404 or 401 permits are not required for the proposed project. BMPs 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 proposed project will disturb 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 14: SCH Comments</i>).</p> <p>Attachment 9: 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 February 16, 2024, 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 March 12, 2024, 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 NC SHPO response and NCORR submission package are in Attachment 10.</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. The proposed project involves improvements to an existing WWTP with the only ground disturbance limited to the elevation of the existing wet well and electrical control panel which would add approximately 350 – 400 cy of fill at the wet well and make a smooth transition back to existing grade. There is no new construction and ground disturbance will be limited to the elevation and related grading in previously disturbed areas. Thus, the Catawba Indian Nation is not being consulted to help identify historic properties in the proposed project area that may have religious and cultural significance to the Nation. The completed HUD When to Consult with Tribes Under Section 106 Form is in Attachment 10. The proposed project is in compliance with Section 106.</p> <p>Attachment 10: SHPO Response, NCORR SHPO Submission Package, HUD TDAT Results, and HUD When to Consult with Tribes Under Section 106 Form.</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 make the Fairmont WWTP more resilient and capable of handling excess waste water without service interruptions during and following future storm events in effect protecting public health and safety. Thus, 24 CFR 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</p>

		<p>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 11: 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 USFWS National Wetlands Inventory (NWI) mapped palustrine forested wetlands (PF01/4C) located on the Subject Property. The NWI map shows the WWTP facility mostly located outside of wetlands, a small office building in the southwest corner of the parcel and portions of the chain link fencing in wetlands, and the effluent pump station and entrance gate wholly located in wetlands. The effluent pump station improvements are the <i>only</i> proposed project activities located in NWI-mapped wetlands. An estimated 5.32 acres of the parcel contain wetlands but will not be impacted by the proposed project. Based on aerial and site visit photographs, there has been previous, significant site modification including fill and development for the existing fenced-in WWTP facility and <i>none</i> of the proposed project activities will occur in wetlands. USACE and NC DEQ DWR determined that a PCN and Clean Water Act Section 404 or 401 permits are not required for the proposed project. The work will take place in uplands within the existing operational plant and will not impact wetlands or Waters of the U.S.</p> <p>Since there is “new construction” at a parcel containing incidental wetlands for the proposed project as defined in EO 11990 Protection of Wetlands and 24 CFR 55.2(b)(8), compliance with EO 11990 and 24 CFR 55 is required. Under 24 CFR 55.12(a)(4), the proposed project can follow the 5-step process, and the decision-making steps in § 55.20(b), (c), and (g) (steps 2,</p>

		<p>3, and 7) do not apply. Thus, the modified five-step wetlands protection determination process in §55.20 is required, and the EO 11990 Wetlands Protection Management Determination for the proposed project documents the 5-step process under 24 CFR 55 in Attachment 9.</p> <p>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 ERR when received from the permitting agencies. A local floodplain development permit will be obtained, if required. BMPs 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 proposed project will disturb 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 14: SCH Comments</i>).</p> <p>Attachment 9: 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 NEPA Assist Map, there are no WSR river segments located within 0.45-mile of the Subject Property. The Lumber River has designated WSR segments southeast of the Subject Property (over 0.45-mile) and NRI designated segments to the northeast. 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. Further, this proposed project aims to make the Fairmont WWTP more</p>

		<p>resilient and capable of handling excess waste water during and following future storm events in effect protecting public health and safety. The Lumber River will benefit from the proposed project with the prevention of sewage released into the community during future storm events. The proposed project is in compliance with this section.</p> <p>Attachment 12: NEPA Assist Map of DOI NPS Nationwide Rivers Inventory and National Wild and Scenic Rivers System Showing 0.45-mile Buffer.</p> <p><i>See also,</i> Eligible and Suitable Rivers Map, at https://nps.maps.arcgis.com/apps/webappviewer/index.html?id=df0f4455dc5f41bb919a3a1a49c60174</p>
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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 Community Report for the census block group for the Subject Property, there is an approximately 40% minority population and 49% low-income population, both of which are higher than State and national averages. Further, based on the EJScreen website, the Subject Property is located in a Disadvantaged Justice40 area.</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 make the Fairmont WWTP more resilient and capable of handling excess waste water without service interruptions during and following future storm events in effect protecting public health and safety. Thus, the proposed project does not contribute to or promote environmental injustice. The proposed project is in compliance with this section.</p> <p>Attachment 13: EJScreen Community Report, EJScreen ACS Summary Report, EJScreen</p>
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		Census 2010 Summary Report, EJScreen Justice40 Map, EJScreen Climate Change Flood Risk, Wildfire Risk and 100-Year Floodplain Maps, NCEM CDBG-DR Community Recovery/Infrastructure (CRI) Program Project Information Form (PIF), and CDC Report for Robeson County.
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Field Inspection (Date and completed by): Bill Blankenship, Project Manager, January 14, 2023

Summary of Findings and Conclusions:

The preceding Statutory 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
<p>Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55</p>	<p>Since the proposed project involves modification of 100-year floodplain, compliance with 24 CFR 55 and EO 11988 is required. Under 24 CFR 55.12(a)(4), the proposed project can follow the 5-step process, and the decision-making steps in § 55.20(b), (c), and (g) (steps 2, 3, and 7) do not apply. Thus, the modified five-step floodplain determination process in §55.20 is required, and the EO 11988 Floodplain Management Determination for the proposed project documents the 5-step process in Attachment 9.</p> <p>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 ERR when received from the permitting agencies. A local floodplain development permit will be obtained, if required. According to the USACE and NC DEQ DWR, a PCN and Clean Water Act Section 404 or 401 permits are not required for the proposed project. BMPs 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 proposed project will disturb 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 14: SCH Comments</i>).</p>
<p>Wetlands Protection Executive Order 11990, particularly sections 2 and 5</p>	<p>Since there is “new construction” at a parcel containing incidental wetlands for the proposed project as defined in EO 11990 Protection of Wetlands and 24 CFR 55.2(b)(8), compliance with 24 CFR 55 and EO 11990 is required. Under 24 CFR 55.12(a)(4), the proposed project can follow the 5-step process, and the decision-making steps in § 55.20(b), (c), and (g) (steps 2, 3, and 7) do not apply. Thus, the modified five-step wetlands protection determination process in §55.20 is required, and the EO 11990 Wetlands Protection Management Determination for the proposed project documents the 5-step process under 24 CFR 55 in Attachment 9.</p> <p>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 ERR when received from the permitting</p>

agencies. A local floodplain development permit will be obtained, if required. BMPs 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 proposed project will disturb 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 14: SCH Comments*).

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 March 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>
- NC State Historic Preservation Office
- 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>

- HUD Tribal Directory Assessment Tool (TDAT), at <https://egis.hud.gov/tdat/>
- HUD Notice: CPD 12-006, Process for Tribal Consultation in Projects That Are Reviewed Under 24 CFR Part 58, dated June 15, 2012
- NC DEQ DWM Site Locator, at <https://ncdenr.maps.arcgis.com/apps/webappviewer/index.html?id=7dd59be2750b40bebebfa49fc383f688>
- 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/>
- CDC National Environmental Public Health Tracking Network, at <https://ephtracking.cdc.gov/DataExplorer>.
- USDA NRCS Soil Survey, at <https://websoilsurvey.sc.gov.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>
- Town of Fairmont website, at <https://fairmontnc.gov/>
- Chad Maynor and Tommy Fields, Town of Fairmont Public Works Department
- NCEM CDBG-DR Community Recovery/ Infrastructure (CRI) Program, Project Information Form (PIF), dated March 11, 2019
- Hurricane Matthew Resilient Redevelopment Plan - Robeson County (HMRRP-RC), May 2017, at https://files.nc.gov/rebuildnc/documents/matthew/rebuildnc_roberson_plan_combined.pdf
- NC State Environmental Clearinghouse

Determination:

- This categorically excluded activity/project converts to Exempt, per 58.34(a)(12) because there are no circumstances which require compliance with any of the federal laws and authorities cited at §58.5. **Funds may be committed and drawn down after certification of this part** for this (now) EXEMPT project; OR
- This categorically excluded activity/project cannot convert to Exempt because there are circumstances which require compliance with one or more federal laws and authorities cited at §58.5. Complete consultation/mitigation protocol requirements, **publish NOI/RRF and obtain “Authority to Use Grant Funds”** (HUD 7015.16) per Section 58.70 and 58.71 before committing or drawing down any funds; OR
- This project is now subject to a full Environmental Assessment according to Part 58 Subpart E due to extraordinary circumstances (Section 58.35(c)).

Preparer Signature: Andrea Gievers Date: 4/16/24

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

Certifying Officer Signature:  Date: 4/16/2024

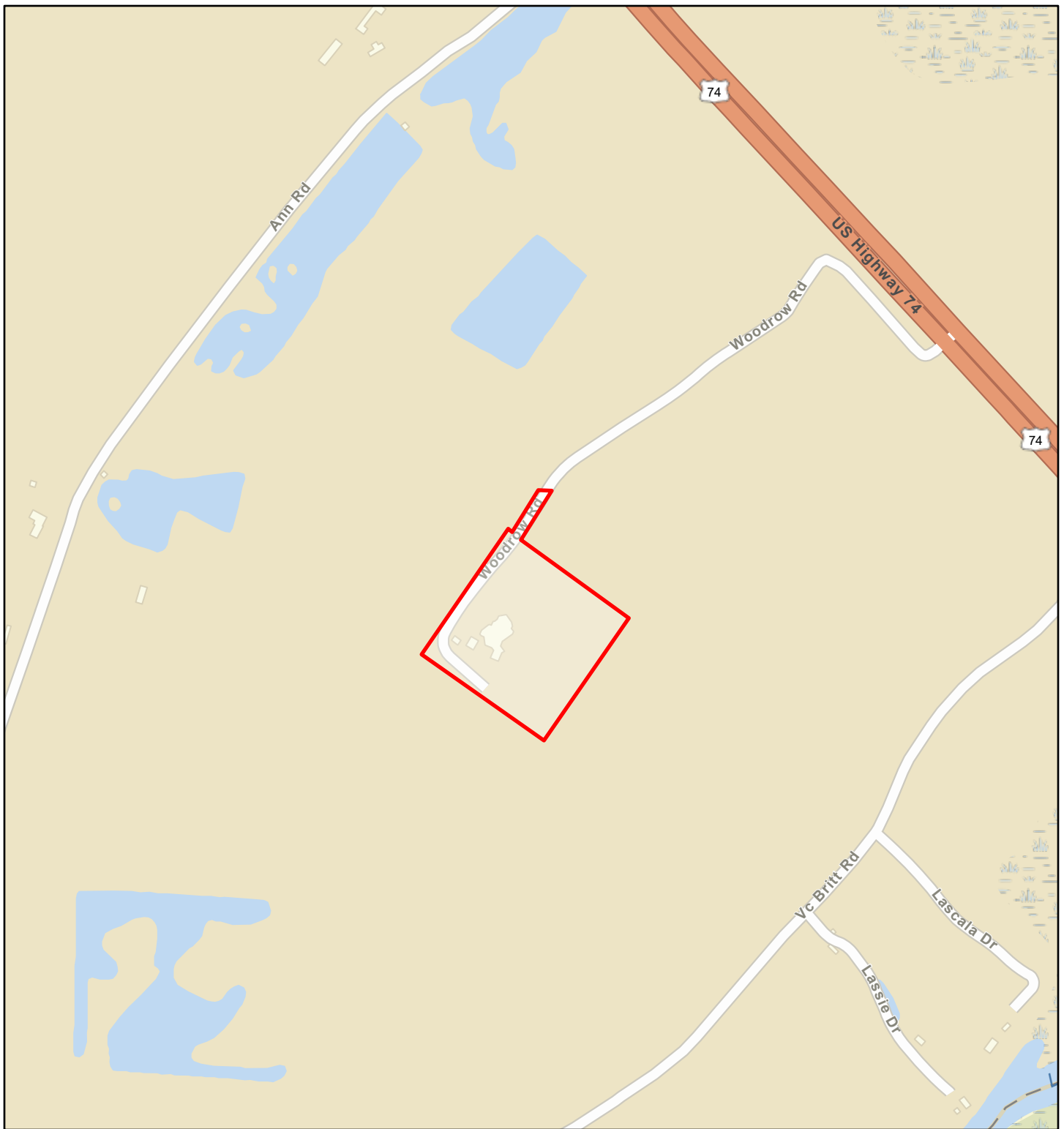
Name/Title: Matthew Arlyn, Chief Recovery Officer, NCORR

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:

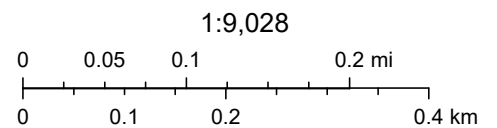
**Proposed Project Location Maps, County
Parcel Data, and Site Plans**

Town of Fairmont WWTP Improvements - Street Map



February 13, 2024

 Fairmont WWTP



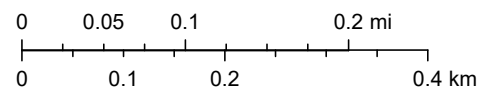
Town of Fairmont WWTP Improvements - Aerial Map



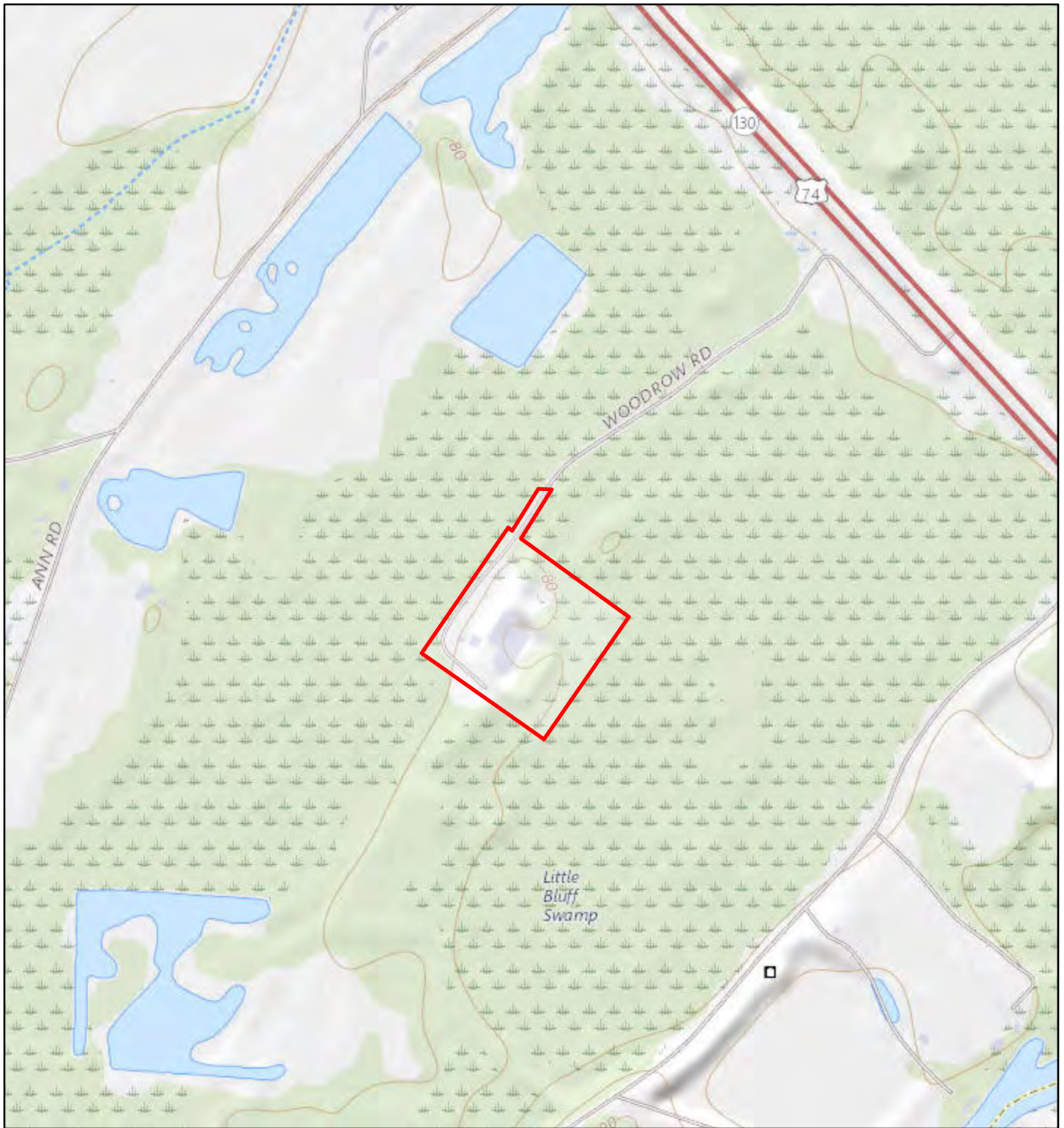
February 13, 2024

 Fairmont WWTP

1:9,028



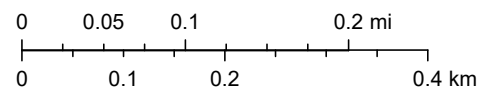
Town of Fairmont WWTP Improvements - Topo Map



February 13, 2024

 Fairmont WWTP

1:9,028



USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S.



Robeson County Government

PROPERTY REPORT - PRINT

Property Owner TOWN OF FAIRMONT	Owner's Mailing Address , , 0	Property Location Address 133 WOODROW RD
Administrative Data Parcel Ref No. 12160101703B PIN 020582915800 Account No. 46757027 Tax District ORRUM FIRE Land Use Code E-70 Land Use Desc RP LOCAL GOVT. (TWP & BD) Subdiv Code Subdiv Desc Neighborhood 12001	Administrative Data Legal Desc AC W OF SR 2245 Deed Bk/Pg / Plat Bk/Pg / Sales Information Grantor Sold Date 0--0 Sold Amount \$ 0	Valuation Information Market Value \$ 326,600 Market Value - Land and all permanent improvements, if any, effective January 1, 2010, date of County's most recent General Reappraisal Assessed Value \$ 326,600 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 10.24 Tax District Note Present-Use Info

Improvement Detail

(1st Major Improvement on Subject Parcel)

Year Built	2001
Built Use/Style	OFFICE/WAREHOUSE
Current Use	C /
* Percent Complete	100
Heated Area (S/F)	1,462
** 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	001

* 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 \$

287,700

** Improvement Assessed Value \$

287,700

* 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) \$

38,900

Land Present-Use Value (PUV) \$ **

38,900

Land Total Assessed Value \$

38,900

** Note: If PUV equal LMV then parcel **has not** qualified for present use program

County of Robeson, NC



MAPNO	12160101703B
PIN_NUMBER	020582915800
PARCELTYPE	Base Parcel
CONFLICTNOTATION	
DEEDEDACRES	10.23999977
OWNERTYPE	null
STATUS	null
OLDMAPNO	1216-01-01703B
NUMMOD	null
LOT	null
NBHD_CODE	12001
TAX_YEAR	2023
PAR_CODE	
MAP	0205
SUBMAP	
BLOCK	82
PARCEL	9158
SUBPARCEL	00
PHYLOCAT	56104
CITYCODE	
ROUTENUM	0
OWNERID	46757027
CUROWNID	46757027

OWNAM1	TOWN OF FAIRMONT
OWNAM2	
OWNAM3	
OWADR1	
OWADR2	
OWADR3	
OWADR4	
OWCITY	
OWSTATE	,
OWZIP	0
STNUM	133
STSUFFIX	
STDIR	
STNAME	WOODROW
STTYPE	RD
STDIRSUF	
UNITNO	
DEEDACRE	10.24
MAPACRE	10.24
DISTCODE	34
TOWNCODE	12
PARDESC3	
PARDESC1	E-70
NBHCLASS	
NBHCODE	12001
EXEMCODE	E70
DEEDBOOK	
DEEDPAGE	
DEEDYEAR	0
PLATBOOK	
PLATPAGE	
DATESOLD	0
LEGDESC1	AC W OF SR 2245
LEGDESC2	
LEGDESC3	
PARDESC4	
GROUPPAR	020582915800
REQREVIEW	
PHYSTRADR	133 WOODROW RD
SCHCODE	0
AREACODE	1
LNDASVCUR	38900
IMPASVCUR	287700
QUALCODE	

RECTYPE	null
SALEAMT	0
SALEINST	
DEEDSTMP	0

**Fairmont WWTP Sludge Removal & Disposal - Robeson County, NC
WWTP Layout Map**

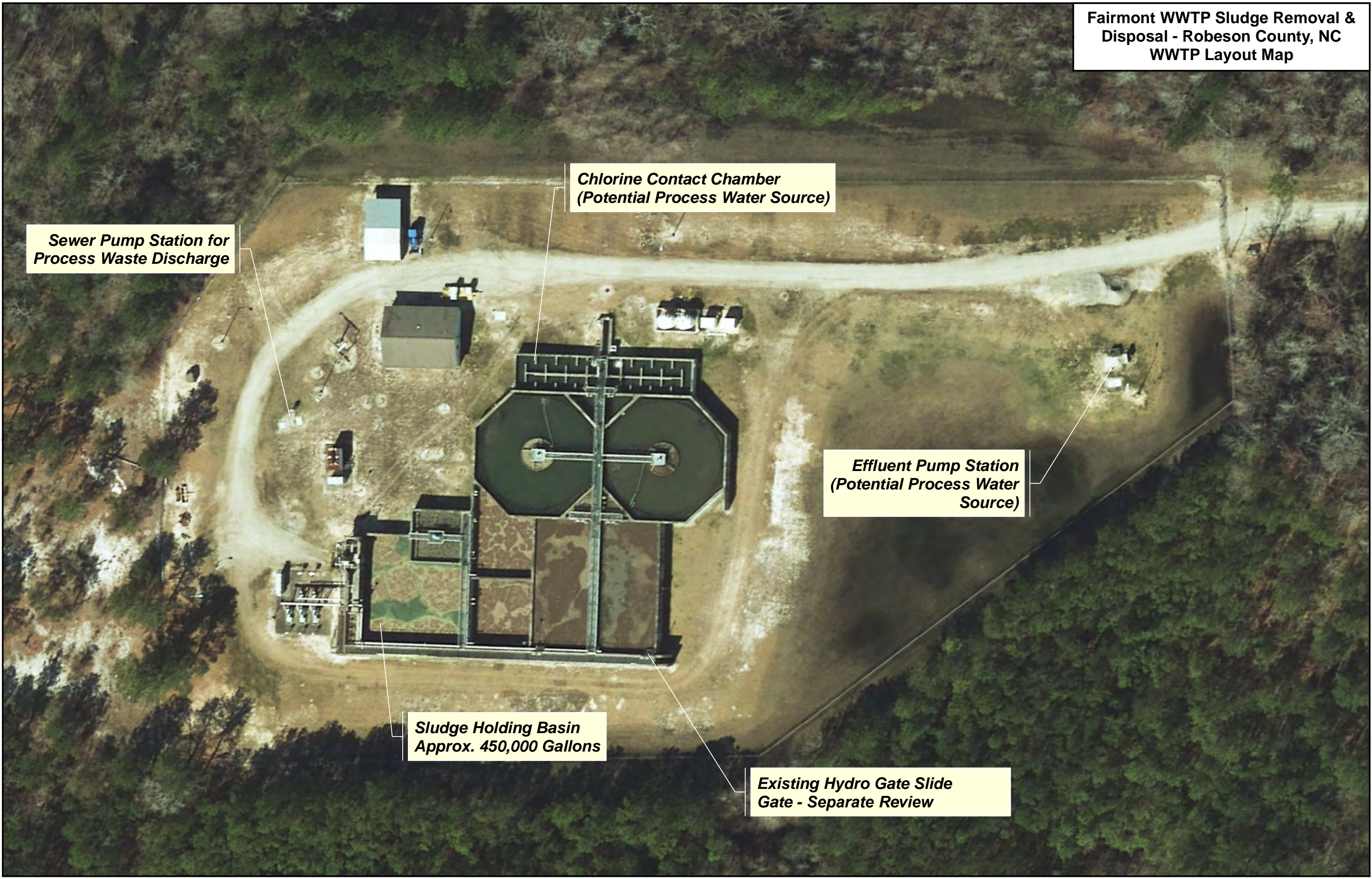
**Sewer Pump Station for
Process Waste Discharge**

**Chlorine Contact Chamber
(Potential Process Water Source)**

**Effluent Pump Station
(Potential Process Water
Source)**

**Sludge Holding Basin
Approx. 450,000 Gallons**

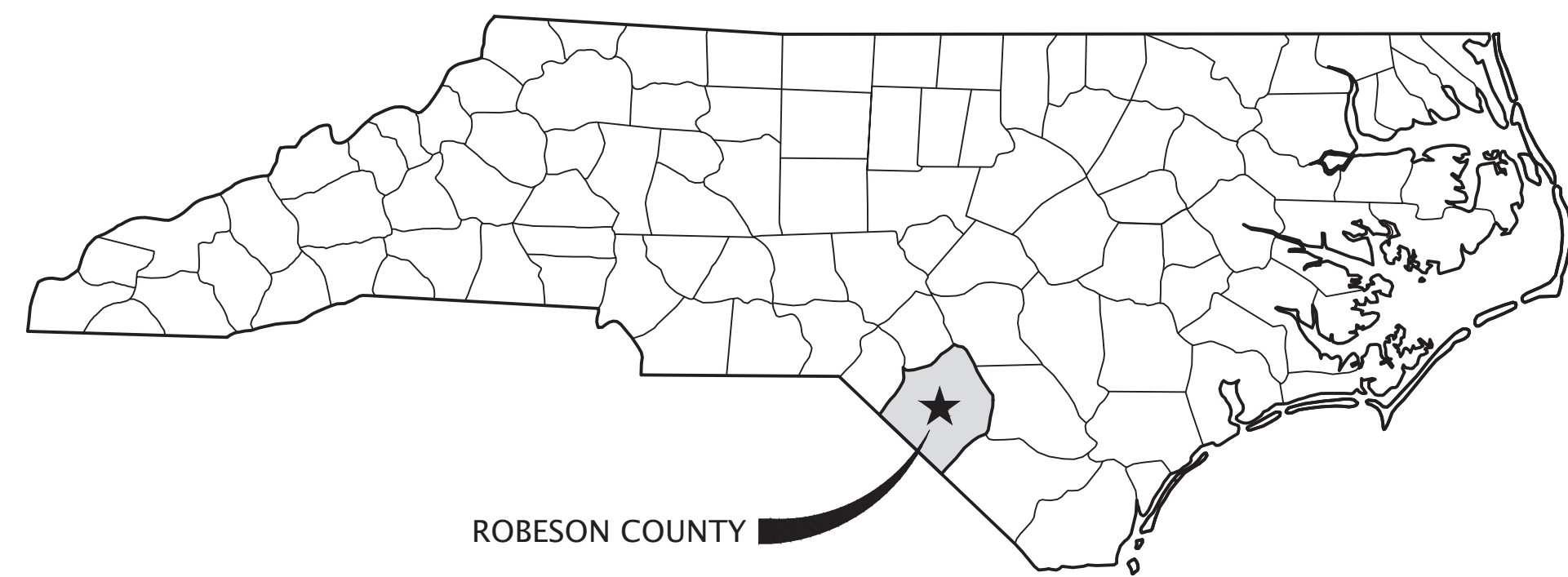
**Existing Hydro Gate Slide
Gate - Separate Review**



WASTEWATER TREATMENT PLANT IMPROVEMENTS - TOWN OF FAIRMONT

FOR ROBESON COUNTY

ROBESON COUNTY, NORTH CAROLINA



ROBESON COUNTY

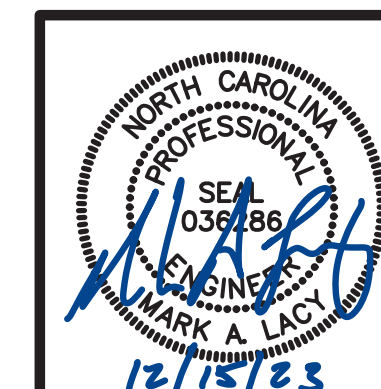
COUNTY LOCATION MAP

NTS

BOARD OF COMMISSIONERS

- | | | |
|--------------------|---|----------------------|
| CHAIRMAN | - | TOM TAYLOR |
| VICE CHAIRMAN | - | JOHN CUMMINGS |
| COMMISSIONER | - | WIXIE STEPHENS |
| COMMISSIONER | - | PAULINE CAMPBELL |
| COMMISSIONER | - | FALINE LOCKLEAR DIAL |
| COMMISSIONER | - | JUDY SAMPSON |
| COMMISSIONER | - | DAVID EDGE |
| COMMISSIONER | - | LANCE HERNDON |
| COUNTY MANAGER | - | KELLIE BLUE |
| FAIRMONT | | |
| UTILITIES DIRECTOR | - | RONNIE SEALS |

PRELIMINARY - DO NOT USE FOR CONSTRUCTION



LKC

Engineering
Landscape Architecture
Surveying

LKC Engineering, PLLC
140 Aqua Shed Court
Aberdeen, NC 28315
O: 910.420.1437
F: 910.637.0096
lkceengineering.com
License No. P-1095

LEGEND

	EXISTING CHAINLINK FENCE
	EXISTING R/W OR PROPERTY BOUNDARY
	NEW UTILITY EASEMENT
	NEW SANITARY SEWER AND MANHOLE
	NEW UTILITY EASEMENT
	NEW TEMPORARY UTILITY EASEMENT
	2" FM EXISTING FORCE MAIN
	EXISTING SEWER CLEANOUT
	EXISTING SANITARY SEWER AND MANHOLE
	EXISTING WOODS LINE
	NEW LIMIT OF CLEARING
	EXISTING BUILDING
	EXISTING ASPHALT ROAD/DRIVE
	EXISTING GRAVEL DRIVE
	TEMPORARY CONSTRUCTION ENTRANCE
	EXISTING RIPRAP
	EXISTING DRAINAGE CULVERT
	14" W EXISTING WATER MAIN
	2" G EXISTING NATURAL GAS PIPELINE
	EXISTING DITCH/STREAM FLOWLINE
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE
	EXISTING WATER METER
	EXISTING LIGHT POLE
	EXISTING POWER POLE
	EXISTING TELEPHONE POLE
	EXISTING GUYWIRE
	EXISTING TELEPHONE PEDESTAL
	EXISTING IRON PIN
	EXISTING RIGHT-OF-WAY MONUMENT
	SURVEY TRAVERSE NAIL
	EXISTING BORE LOCATION
	EXISTING FIBER-OPTIC MARKER
	EXISTING UNDERGROUND FIBER OPTIC CABLE
	SILT FENCE AND OUTLET
	TEMPORARY DIVERSION SWALE
	ENKA MAT SLOPE/SWALE PROTECTION

	NEW WATER MAIN
	NEW COMBINATION AIR/VAC RELEASE VALVE
	NEW GATE VALVE
	NEW FIRE HYDRANT ASSEMBLY
	NEW PLUG
	NEW TEE
	NEW 90° BEND
	NEW 45° BEND

DRAWING REFERENCE SYMBOL LEGEND

DRAWING IDENTIFICATION
LETTER OR NUMBER UNIQUELY PAIRED WITH SHEET NUMBER ON WHICH DETAIL DRAWING OCCURS

PUMP STATION SECTIONAL PLAN

DETAIL
NOTE: NUMERIC SCALE IS TRUE FOR FULL SIZE PRINTS ONLY! REFER TO BAR SCALES ON REDUCED SIZE PRINTS.

DETAIL DRAWING TITLE (BLANK IF OPTIONAL LOCATION IS UTILIZED)

DETAIL DRAWING TYPE: DETAIL, SECTION, PLAN, or ELEVATION. (OPTIONAL LOCATION OF DETAIL DRAWING TITLE)

DETAIL DRAWING SCALE or "NOT TO SCALE"

SHEET NUMBER ON WHICH DETAIL DRAWING OCCURS

DETAIL REFERENCE (A C-12)

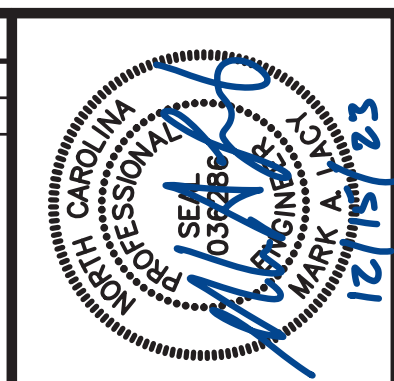
SECTION CUT (B C-12)

OTHER END OF SECTION CUT (EITHER TYPE) (B C-12)

INTERIOR ELEVATION REFERENCE (C C-12)

EXTERIOR ELEVATION REFERENCE (D C-12)

REVISIONS			
SYM.	DESCRIPTION	DATE	BY



LKC Engineering, Inc.
140 Aqua Shed Court
Aberdeen, NC 28315
O: 910.420.1437
F: 910.637.0096
lkceengineering.com
License No. P-1095

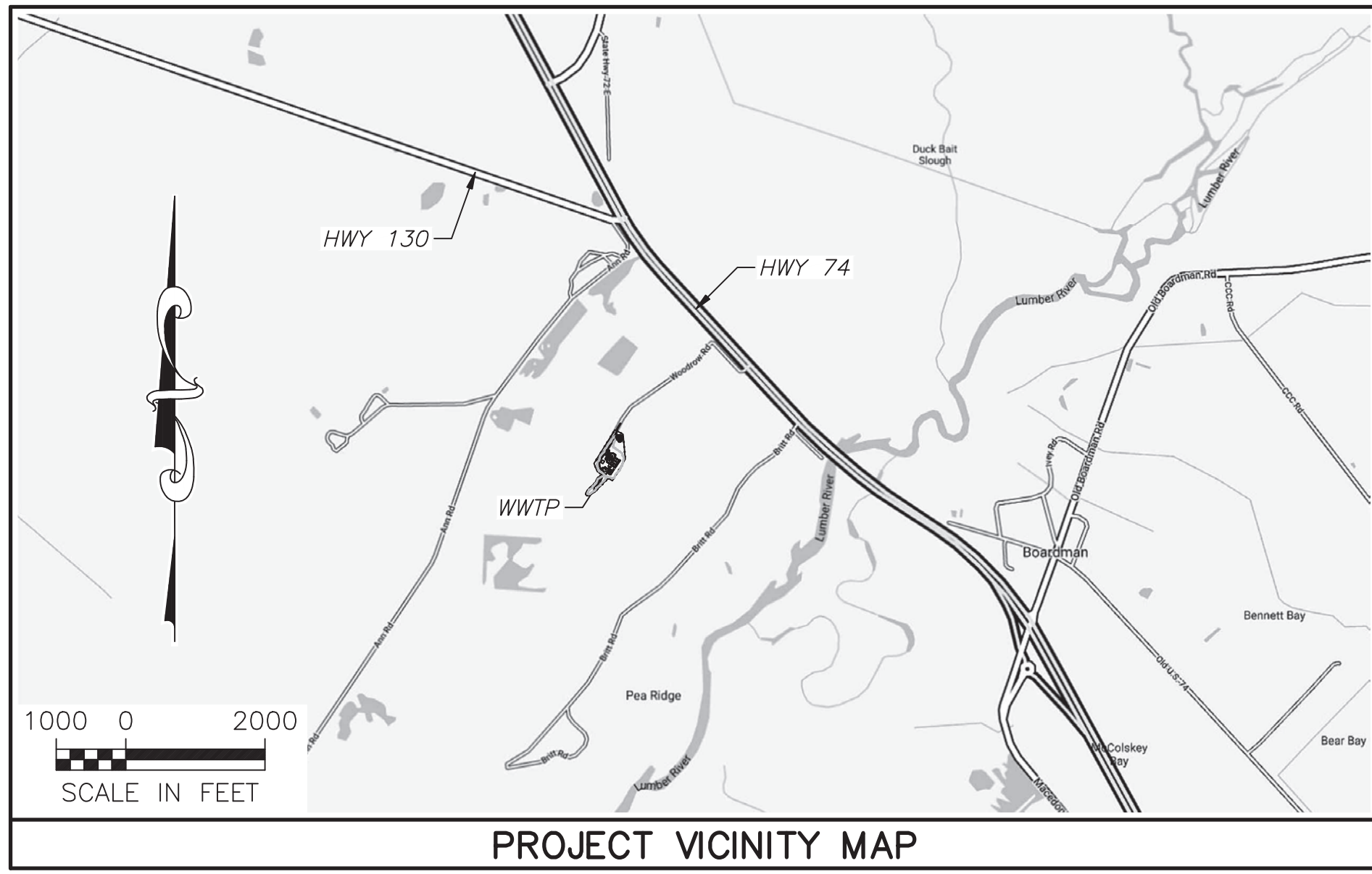
Engineering
Landscape Architecture
Surveying



Sheet Index

WASTEWATER TREATMENT
PLANT IMPROVEMENTS
FOR THE
TOWN OF FAIRMONT
Robeson County, North Carolina

DATE:	December, 2023
DESIGNED:	MAL
DRAWN:	DJN
CHECKED:	MAL
NO.	G.2



Sheet List Table

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General	
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C.7	Existing Bar Screen Plan And Profile
C.8	Proposed Headworks Modifications

ABBREVIATIONS, ACRONYMS, AND SYMBOLS

&	AND	CFM	CUBIC FEET PER MINUTE	F.F.E.	FINISH FLOOR ELEVATION	LAB	LABORATORY	PSI	POUNDS PER SQUARE INCH	STD	STANDARD
@	AT	CHAM.	CHAMFER	FAB.	FABRIC, FABRICATION	LB./LBS.	POUND/POUNDS	PVC	POLYVINYL CHLORIDE	STL.	STEEL
<	LESS THAN	CHAN.	CHANNEL	FIG.	FIGURE	MAS.	MASONRY	QTY.	QUANTITY	STRUCT.	STRUCTURAL
<=	LESS THAN OR EQUAL TO	CHEM.	CHEMICAL	FL	FLOWLINE	MATL	MATERIAL	R	RADIUS	SUPT.	SUPPORT
=	EQUAL(S)	CLR.	CLEAR	FLEX.	FLEXIBLE	MAX.	MAXIMUM	RAS	RETURN ACTIVATED SLUDGE	SW	SOUTHWEST
>	GREATER THAN	CO.	COMPANY	FLG	FLANGE	MCJ	MASONRY CONTROL JOINT	RCP	REINFORCED CONCRETE PIPE	T/	TOP OF
±	PLUS OR MINUS, APPROXIMATELY	COL.	COLUMN	FM	FORCE MAIN	MECH.	MECHANICAL	REBAR	CONCRETE REINFORCING BAR	TCJ	TEMPORARY CONSTRUCTION JOINT
°	DEGREE	CONC.	CONCRETE	FRP	FIBERGLASS REINFORCED PLASTIC	MFR	MANUFACTURER	RED.	REDUC(ER)(ING)	TEMP.	TEMPORARY
A.B.	ANCHOR BOLT	COND.	CONDUIT	FT.	FOOT, FEET	MH	MANHOLE	REF.	REFERENCE	THK.	THICKNESS
A.F.F.	ABOVE FINISHED FLOOR	CONSTR.	CONSTRUCTION	FTG.	FOOTING	MIL	ONE THOUSANDTH	REINF.	REINFORC(E)(ED)(ING)	THRD.	THREAD(ED)(S)
ABC	AGGREGATE BASE COURSE	CONT.	CONTINUOUS	GA.	GAUGE	MIN.	MINIMUM	REQ'D	REQUIRED	TOS	TOP OF SLAB
AC.	ACOUSTIC	COORD.	COORDINATE	GAL.	GALLON	MJ	MECHANICAL JOINT	RESTR.	RESTRAIN(ED)(ING)	TOW	TOP OF WALL
ACT.	ACTUAL	CTRD	CENTERED	GALV.	GALVANIZED	MPH	MILES PER HOUR	RJ	RESTRAINED JOINT	TYP.	TYPICAL
ADA	AMERICANS WITH DISABILITIES ACT OF 1990 (U.S.)	€	CENTERLINE	N	NORTH	RPM	REVOLUTIONS PER MINUTE	RW	RECLAIMED WATER	U.L.	UNDERWRITERS LABORATORIES
ADD'L	ADDITIONAL	D	DIAMETER	GFI	GROUND FAULT INTERRUPT	N.C.	NORTH CAROLINA	S	SOUTH, SEWER	UON	UNLESS OTHERWISE NOTED
AFF	ABOVE FINISH FLOOR	D.I.	DUCTILE IRON	GV	GATE VALVE	N.T.S.	NOT TO SCALE	S.S.	STAINLESS STEEL	UV	ULTRAVIOLET
AIR/VAC	AIR RELEASE AND VACUUM RELIEF	D.I.P.	DUCTILE IRON PIPE	H.D.G.	HOT DIP GALVANIZE(D)	N/A	NOT APPLICABLE	S.Y.P.	SOUTHERN YELLOW PINE	V.	VOLT
ALT	ALTERNATE	D.O.T.	DEPARTMENT OF TRANSPORTATION	HDWR.	HARDWARE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	SBR	SEQUENCING BATCH REACTOR	VERT	VERTICAL
ALUM.	ALUMINUM	DIA.	DIAMETER	HEX	HEXAGONAL	NIC	NOT IN CONTRACT	SCFM	STANDARD CUBIC FEET PER MINUTE	VFD	VARIABLE FREQUENCY DRIVE
AMP	AMPERES	HK	HOOK	HORIZ.	HORIZONTAL	NO.	NUMBER	SCH.	SCHEDULE	W	WEST, WATER
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	DIM.	DIMENSION	HP	HIGH POINT	NOM.	NOMINAL	SD	STORM DRAIN	W/	WITH
ARCH.	ARCHITECTURAL	DWGS	DRAWINGS	HR.	HOUR	NPT	NATIONAL PIPE THREAD	SDR	STANDARD DIMENSION RATIO	W/O	WITHOUT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	DWLS	DOWELS	HT.	HEIGHT	NW	NORTHWEST	SF	SQUARE FEET	WAS	WASTE ACTIVATED SLUDGE
BF	BLIND FLANGE	EA.	EACH	HWL	HIGH WATER LEVEL	O	OXYGEN	SHT.	SHEET	WL	WATER LEVEL
BFV	BUTTERFLY VALVE	EF	EACH FACE	HYD.	HYDRANT	ø	DIAMETER	SHR	SHOWER	WWF	WELDED WIRE FABRIC
BLDG	BUILDING	EFFL.	EFFLUENT	HZ	HERTZ	O.C.	ON CENTER	SIM.	SIMILAR	WWTP	WASTEWATER TREATMENT PLANT
BTUH	BRITISH THERMAL UNIT HOUR	EL.	ELEVATION	I.D.	INSIDE DIAMETER	O.D.	OUTSIDE DIAMETER	SPA	SPACE	XFMR	TRANSFORMER
C.I.P.	CAST-IN-PLACE	EQ	EQUALIZATION	INV.	INVERT	OPNG	OPENING	SPECS	SPECIFICATIONS	YH	YARD HYDRANT
C.M.U.	CONCRETE MASONRY UNIT	EQUIP.	EQUIPMENT	JT.	JOINT	OZ	OUNCE	SO.	SQUARE		
C.O.	CLEAN OUT	EW	EACH WAY	K	KILO, THOUSAND	PE	PLAIN END	SR	STATE ROAD		
CAP.	CAPACITY	EXIST.	EXISTING	KVA	KILOVOLT-AMPERE	PED.	PEDESTAL	SS	SANITARY SEWER		
		EXP.	EXPANSION	KW	KILOWATT	PLCS	PLACES	STA	STATION		
		EXT.	EXTENSION	L.F.	LINEAR FEET	PSF	POUNDS PER SQUARE FOOT				

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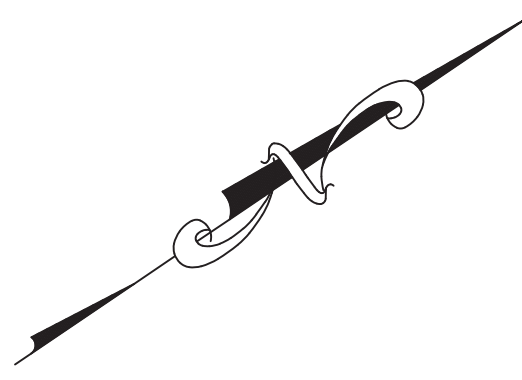
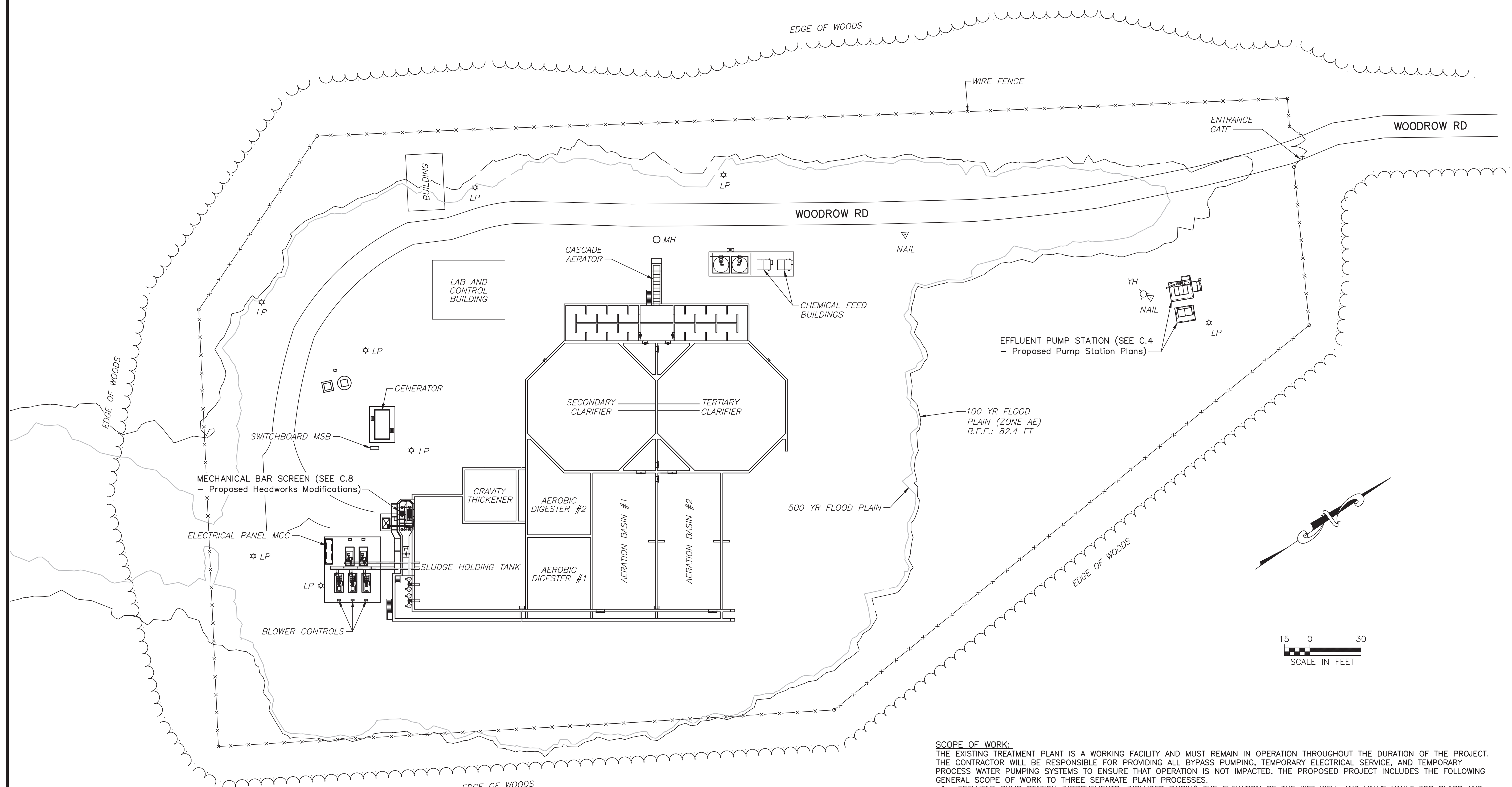
Overall Site Plan

WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

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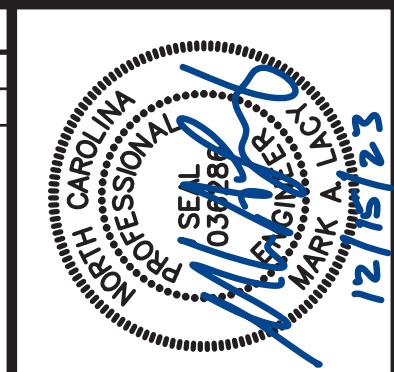
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- SCOPE OF WORK:**
 THE EXISTING TREATMENT PLANT IS A WORKING FACILITY AND MUST REMAIN IN OPERATION THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING ALL BYPASS PUMPING, TEMPORARY ELECTRICAL SERVICE, AND TEMPORARY PROCESS WATER PUMPING SYSTEMS TO ENSURE THAT OPERATION IS NOT IMPACTED. THE PROPOSED PROJECT INCLUDES THE FOLLOWING GENERAL SCOPE OF WORK TO THREE SEPARATE PLANT PROCESSES.
- EFFLUENT PUMP STATION IMPROVEMENTS:** INCLUDES RAISING THE ELEVATION OF THE WET WELL AND VALVE VAULT TOP SLABS AND ACCESS, ADDITION OF A BYPASS PUMP CONNECTION ON THE EXISTING EFFLUENT FORCE MAIN, AND RELOCATION OF EXISTING PUMP CONTROL AND ELECTRICAL COMPONENTS ON AN ELEVATED STRUCTURE. THE WORK WILL INCLUDE ALL OTHER NECESSARY WORK TO PROVIDE A FUNCTIONING SYSTEM INCLUDING REPLACEMENT OF WIRING OR PUMP LEADS AS NEEDED, MODIFICATION OF PUMP REMOVAL SYSTEM, FLOAT CONTROL MODIFICATIONS, NEW CONNECTIONS TO THE WET WELL, AND ALL OTHER ITEMS NECESSARY TO COMPLETE THIS PORTION OF THE WORK.
 - MECHANICAL BAR SCREEN REHABILITATION OR REPLACEMENT:** INCLUDES EITHER THE COMPLETE REBUILD OF THE EXISTING BAR SCREEN, OR REMOVAL AND REPLACEMENT OF THE EXISTING UNIT WITH NEW EQUIPMENT. INCLUDES ALL NECESSARY ELECTRICAL MODIFICATIONS, CONTROL PANEL COMPONENT REPLACEMENT, AND ANY MODIFICATIONS TO EXISTING STRUCTURES REQUIRED.
 - BLOWER CONTROL PANEL REPLACEMENT:** INCLUDES REMOVAL OF THREE EXISTING BLOWER CONTROL UNITS AND REPLACEMENT IN ONE LOCATION WITH NEW ENCLOSURE, AND NEW WEATHER HOOD FOR EACH UNIT.

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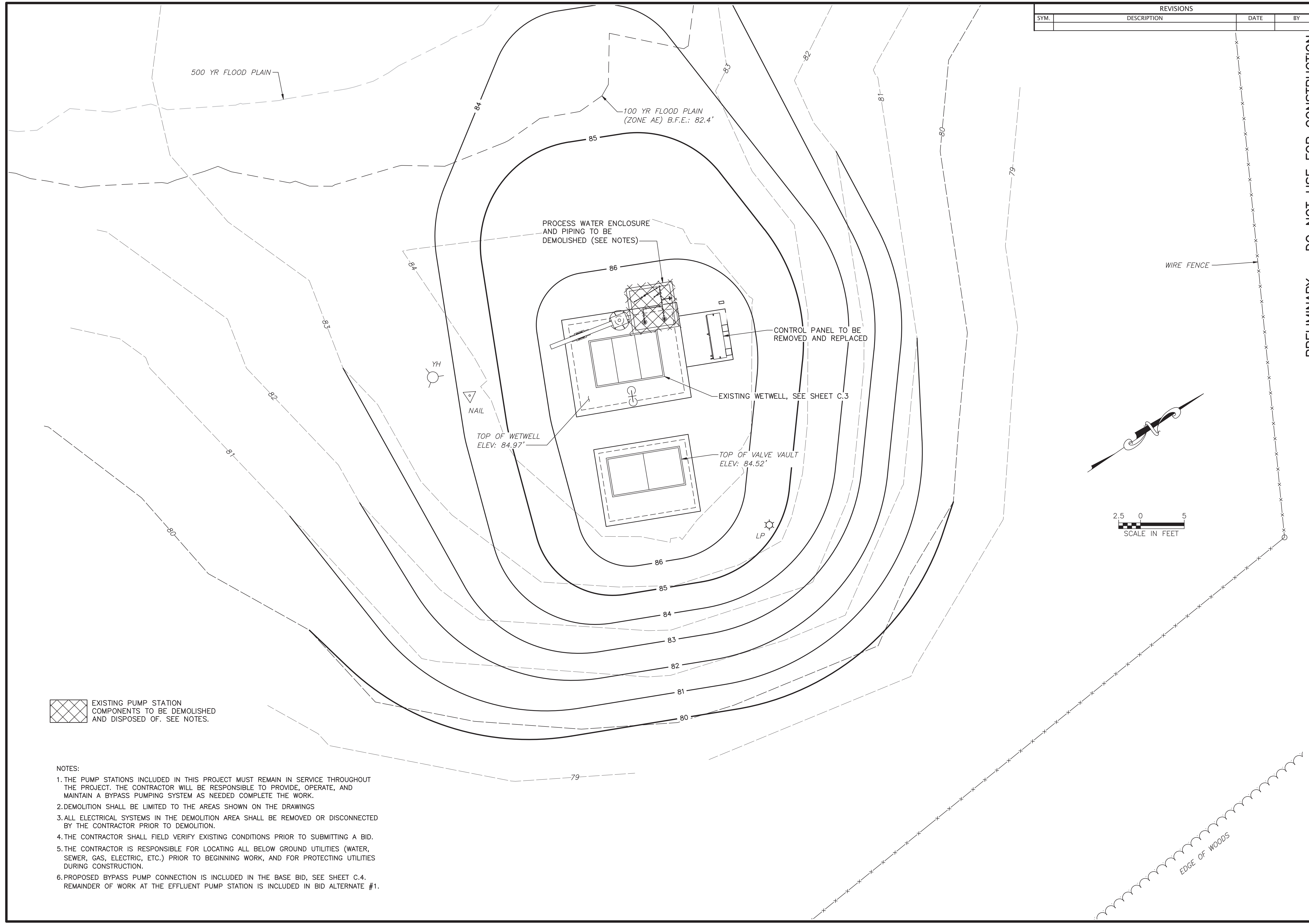


Existing Pump Station
 Site And Proposed
 Grading Plan
 (Bid Alternate #1)

WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

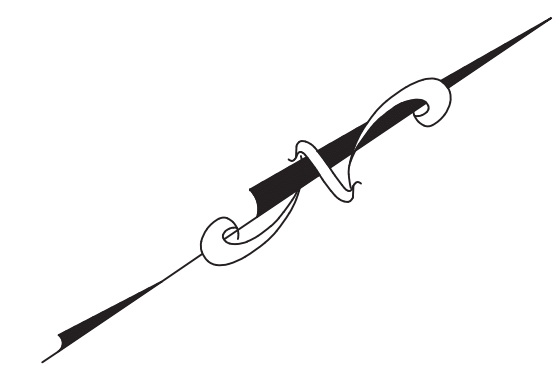
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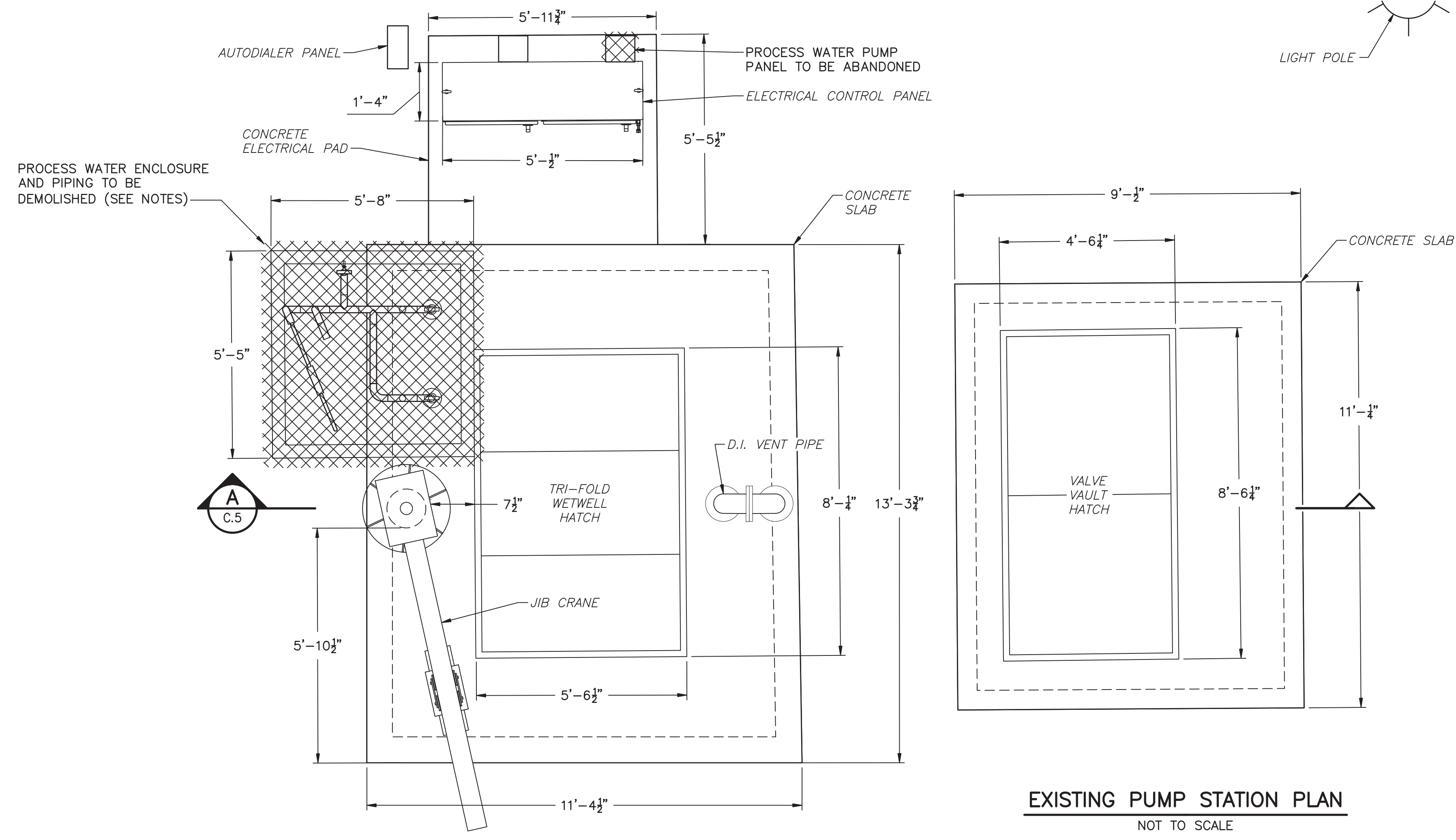


EXISTING PUMP STATION COMPONENTS TO BE DEMOLISHED AND DISPOSED OF. SEE NOTES.

- NOTES:
1. THE PUMP STATIONS INCLUDED IN THIS PROJECT MUST REMAIN IN SERVICE THROUGHOUT THE PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE, OPERATE, AND MAINTAIN A BYPASS PUMPING SYSTEM AS NEEDED COMPLETE THE WORK.
 2. DEMOLITION SHALL BE LIMITED TO THE AREAS SHOWN ON THE DRAWINGS
 3. ALL ELECTRICAL SYSTEMS IN THE DEMOLITION AREA SHALL BE REMOVED OR DISCONNECTED BY THE CONTRACTOR PRIOR TO DEMOLITION.
 4. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING A BID.
 5. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL BELOW GROUND UTILITIES (WATER, SEWER, GAS, ELECTRIC, ETC.) PRIOR TO BEGINNING WORK, AND FOR PROTECTING UTILITIES DURING CONSTRUCTION.
 6. PROPOSED BYPASS PUMP CONNECTION IS INCLUDED IN THE BASE BID, SEE SHEET C.4. REMAINDER OF WORK AT THE EFFLUENT PUMP STATION IS INCLUDED IN BID ALTERNATE #1.



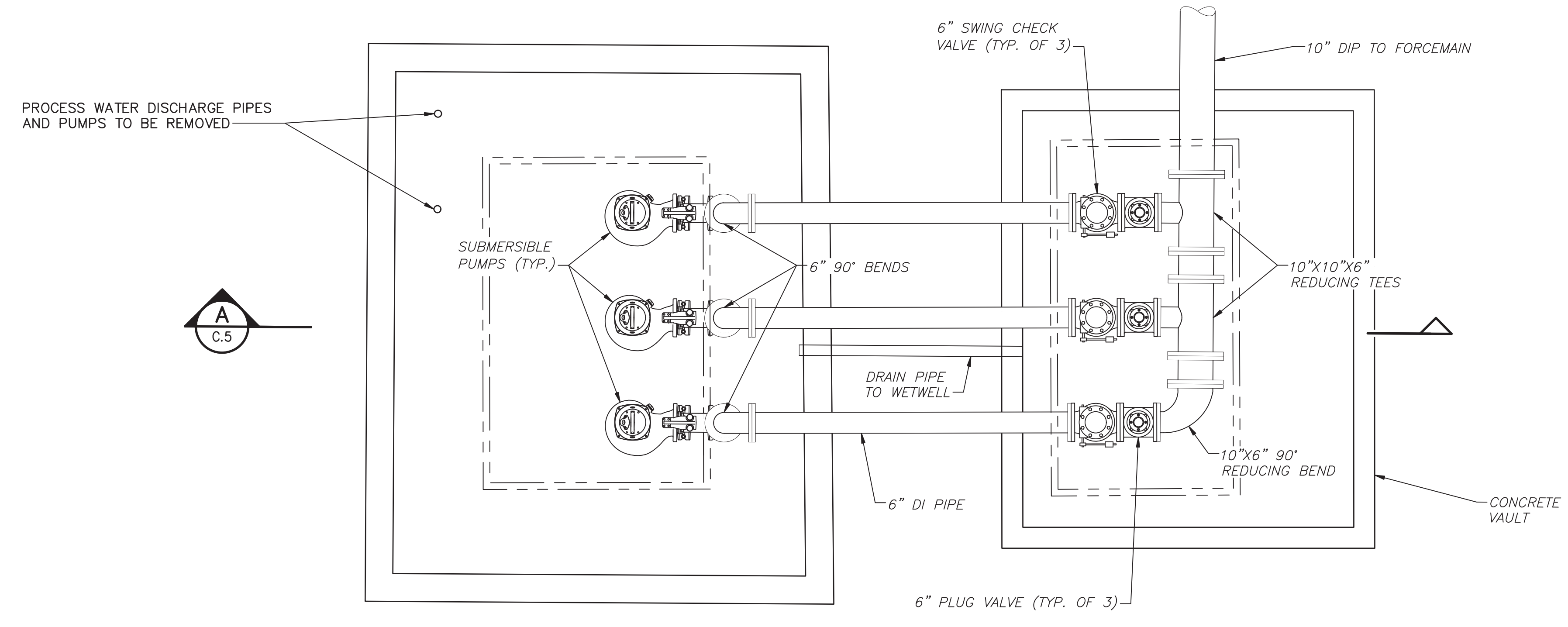
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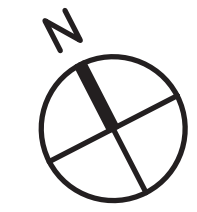
NOTE:
 CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO BEGINNING WORK. IT IS STRONGLY RECOMMENDED THAT POTENTIAL BIDDERS VISIT THE SITE PRIOR TO SUBMITTING A BID.

GENERAL SCOPE OF WORK / CONSTRUCTION SEQUENCE – EFFLUENT PUMP STATION

1. THE FOLLOWING SCOPE OF WORK IS NOT INTENDED TO BE EXHAUSTIVE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL INCIDENTAL WORK.
2. ADD BYPASS PUMP CONNECTION AND VALVES TO THE EXISTING EFFLUENT FORCEMAIN
3. DEMOLISH EXISTING PROCESS WATER PIPING, VALVES, PUMPS, DROP LEGS, AND ENCLOSURE.
4. SET UP BYPASS PUMPING SYSTEM, REMOVE EXISTING WET WELL & VALVE VAULT TOP SLAB, ADD RISER SECTIONS, REINSTALL TOP SLAB, REPLACE REMOVAL RAILS.
5. REMOVE EXISTING CONTROL PANEL, EXTEND / REPLACE EXISTING CONDUITS, GRADE SITE TO PROPOSED ELEVATION, INSTALL A NEW EQUIPMENT PAD AND REINSTALL EXISTING CONTROL PANEL AND WIRING.



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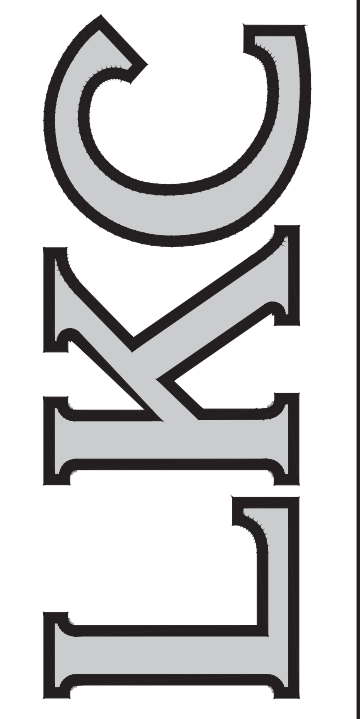


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Existing Pump Station Plans
 (Bid Alternate #1)

WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

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C.3

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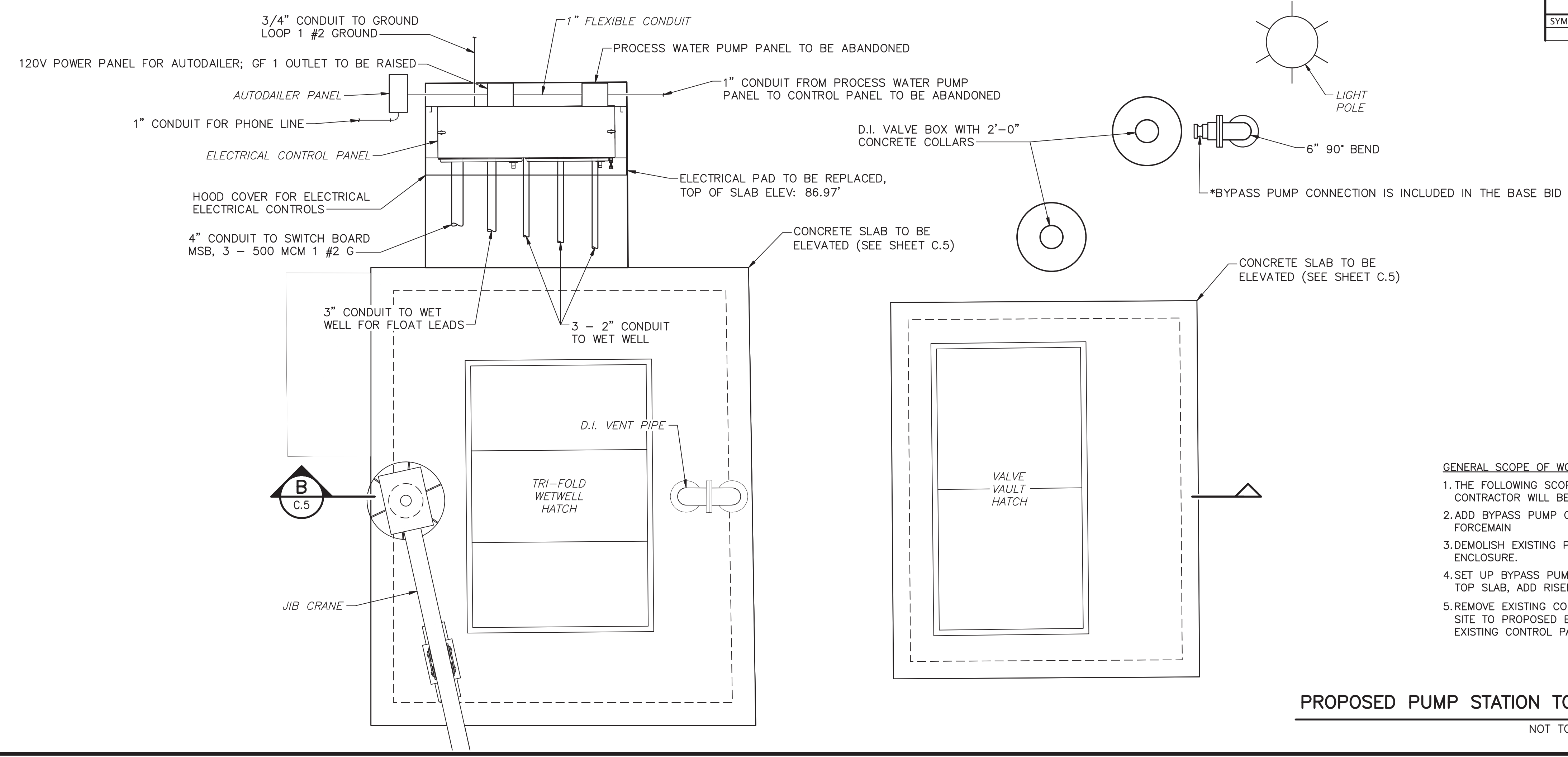
Proposed Pump Station
 Plans
 (Bid Alternate #1)

WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
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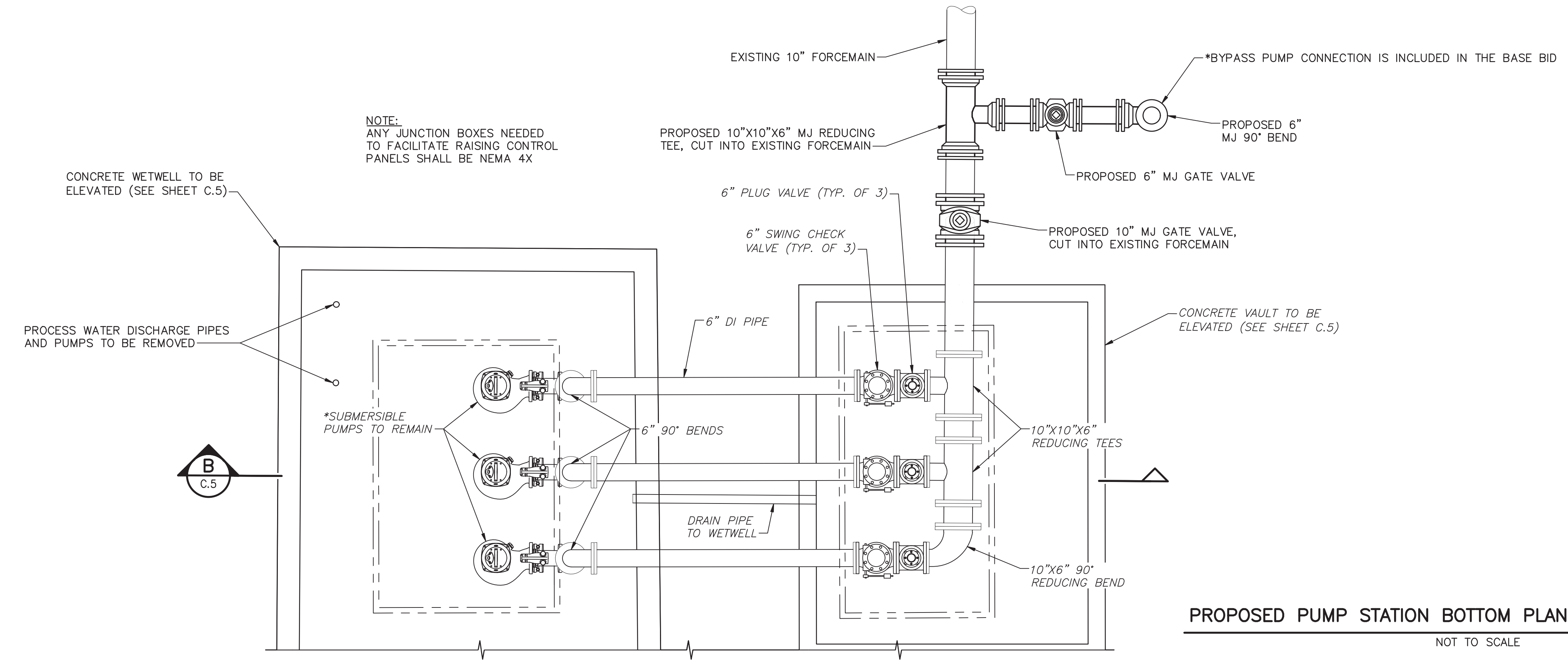
C.4

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- GENERAL SCOPE OF WORK / CONSTRUCTION SEQUENCE – EFFLUENT PUMP STATION**
1. THE FOLLOWING SCOPE OF WORK IS NOT INTENDED TO BE EXHAUSTIVE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL INCIDENTAL WORK.
 2. ADD BYPASS PUMP CONNECTION AND VALVES TO THE EXISTING EFFLUENT FORCEMAIN
 3. DEMOLISH EXISTING PROCESS WATER PIPING, VALVES, PUMPS, DROP LEGS, AND ENCLOSURE.
 4. SET UP BYPASS PUMPING SYSTEM, REMOVE EXISTING WET WELL & VALVE VAULT TOP SLAB, ADD RISER SECTIONS, REINSTALL TOP SLAB, REPLACE REMOVAL RAILS.
 5. REMOVE EXISTING CONTROL PANEL, EXTEND / REPLACE EXISTING CONDUITS, GRADE SITE TO PROPOSED ELEVATION, INSTALL A NEW EQUIPMENT PAD AND REINSTALL EXISTING CONTROL PANEL AND WIRING.

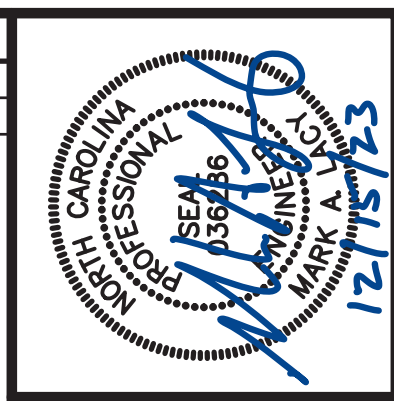
PROPOSED PUMP STATION TOP PLAN (BID ALTERNATE #1)
NOT TO SCALE



PROPOSED PUMP STATION BOTTOM PLAN (BID ALTERNATE #1)
NOT TO SCALE

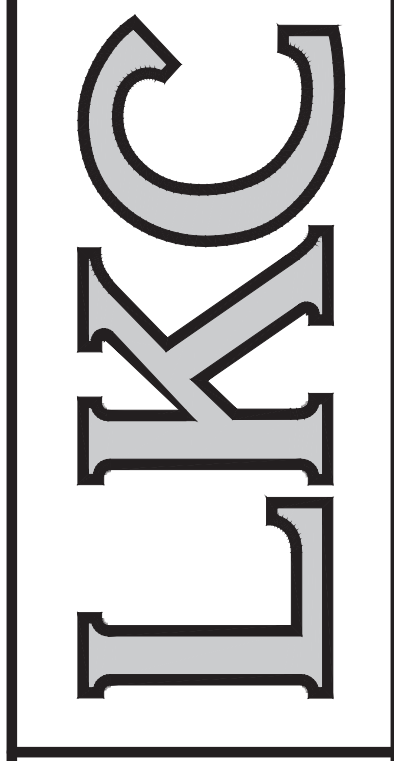
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Pump Station Profiles
 (Bid Alternate #1)

WASTEWATER TREATMENT
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 FOR THE
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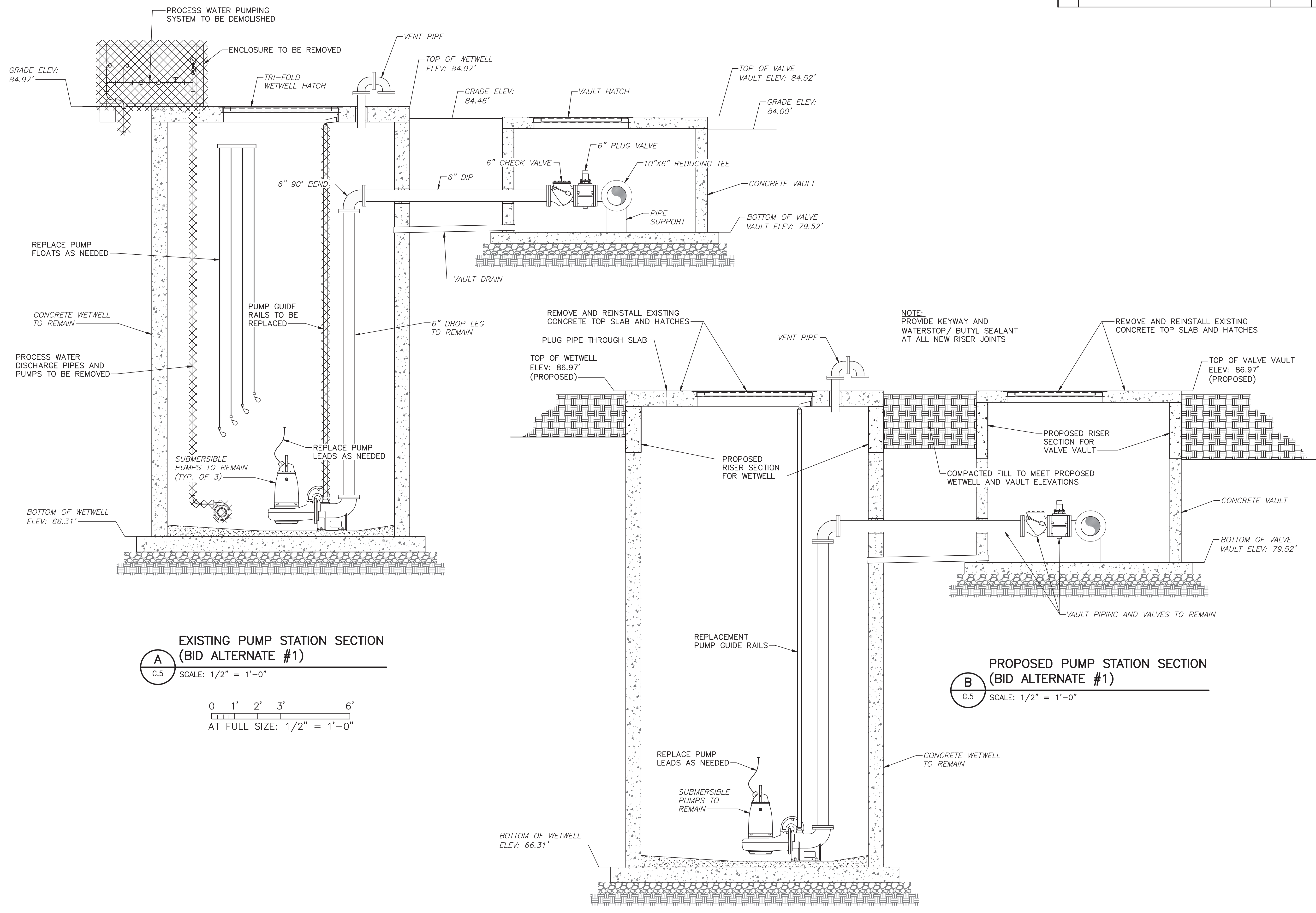
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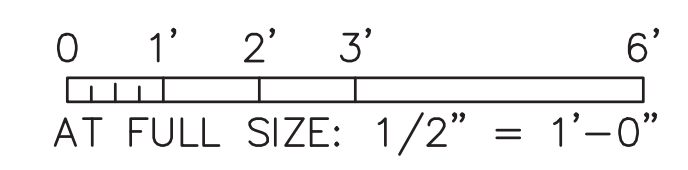
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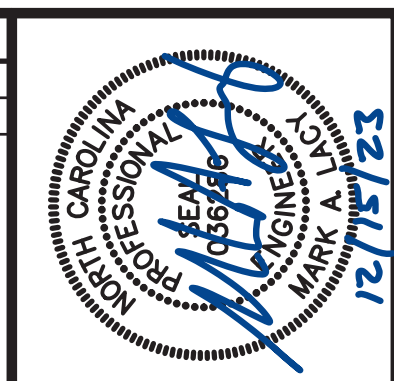
A
 C.5
 EXISTING PUMP STATION SECTION
 (BID ALTERNATE #1)
 SCALE: 1/2" = 1'-0"



B
 C.5
 PROPOSED PUMP STATION SECTION
 (BID ALTERNATE #1)
 SCALE: 1/2" = 1'-0"

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Existing Headworks And
 Blowers Site Plan

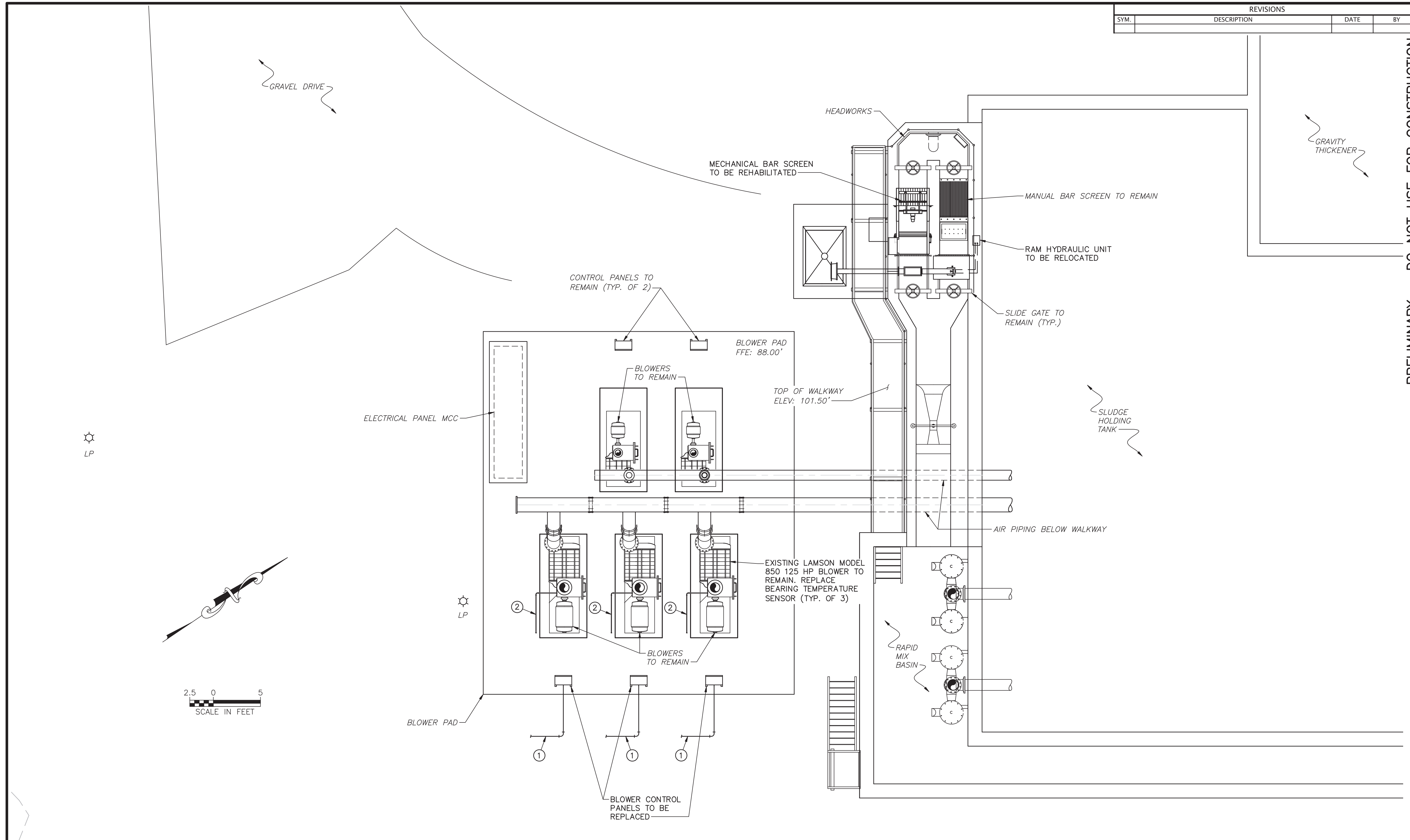
WASTEWATER TREATMENT
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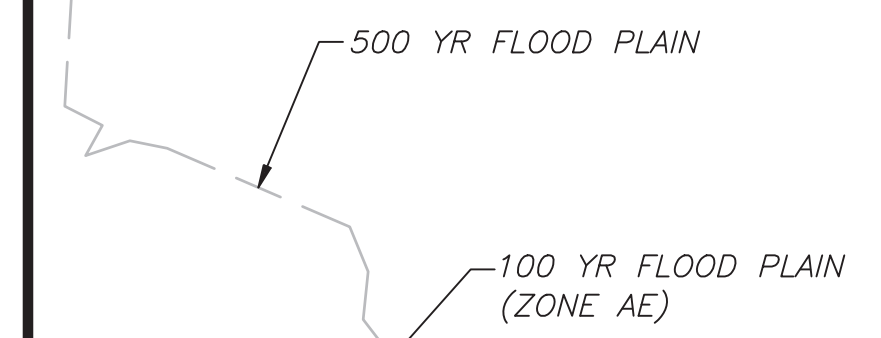
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KEY NOTE LEGEND	
①	3 - 410, 2 #12, 1 #3G, 2 1/2" CONDUIT TO ELECTRICAL PANEL MCC
②	8 - #14, 1 #14G, 3/4" CONDUIT TO RESPECTIVE BLOWER CONTROL PANEL

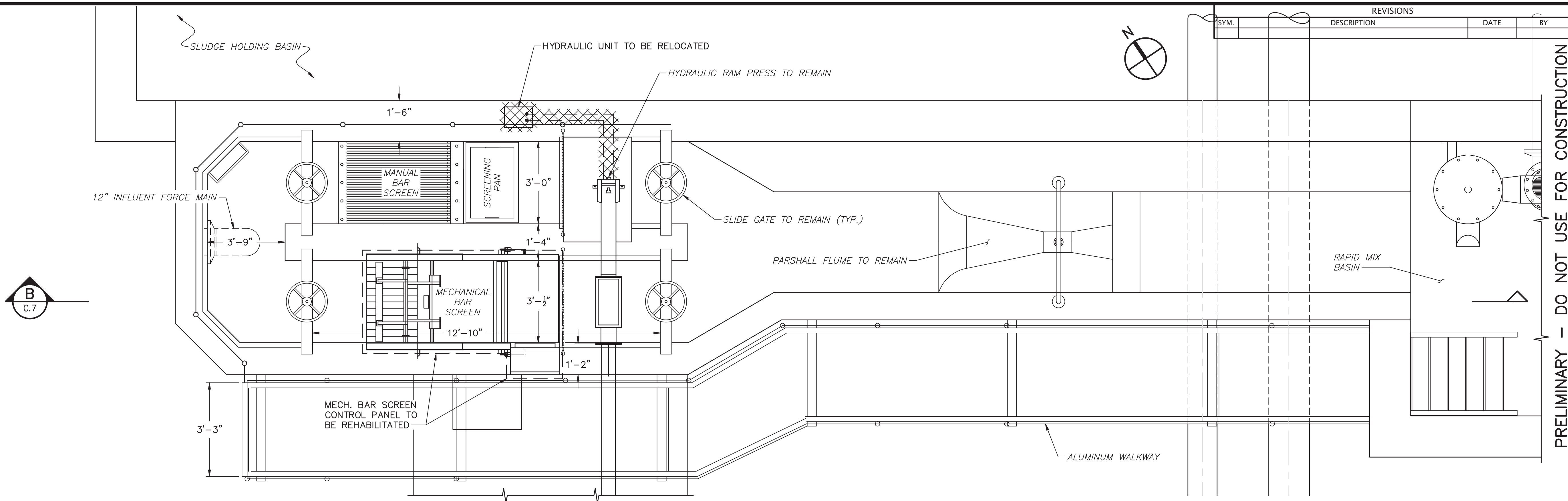
- BLOWER CONTROL PANEL REPLACEMENT NOTES**
1. REMOVE EXISTING EQUIPMENT SUCH THAT (2) BLOWERS WILL REMAIN OPERATIONAL AT ALL TIMES.
 2. PROVIDE AND INSTALL ALUMINUM SHELTER FOR EACH ENCLOSURE.

- SCOPE OF WORK / CONSTRUCTION SEQUENCE - BAR SCREEN REHABILITATION**
1. DIVERT FLOW TO MANUAL BAR SCREEN, DEWATER AND CLEAN MECHANICAL BAR SCREEN AND CHANNEL
 2. COMPLETE REHABILITATION OF EXISTING BAR SCREEN AND CONTROLS COMPONENT REPLACEMENT IN EXISTING ENCLOSURE
 3. INSTALL GALVANIZED STEEL SUPPORT PLATFORM WITH HANDRAILS AND KICKPLATE AND RELOCATE EXISTING HYDRAULIC UNIT AND HOSE.

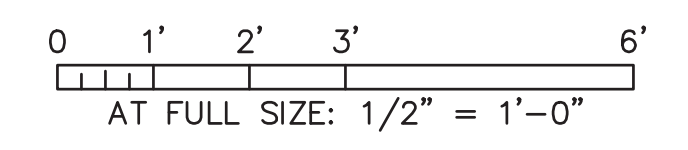


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SYMBOL	DESCRIPTION	REVISIONS	DATE	BY

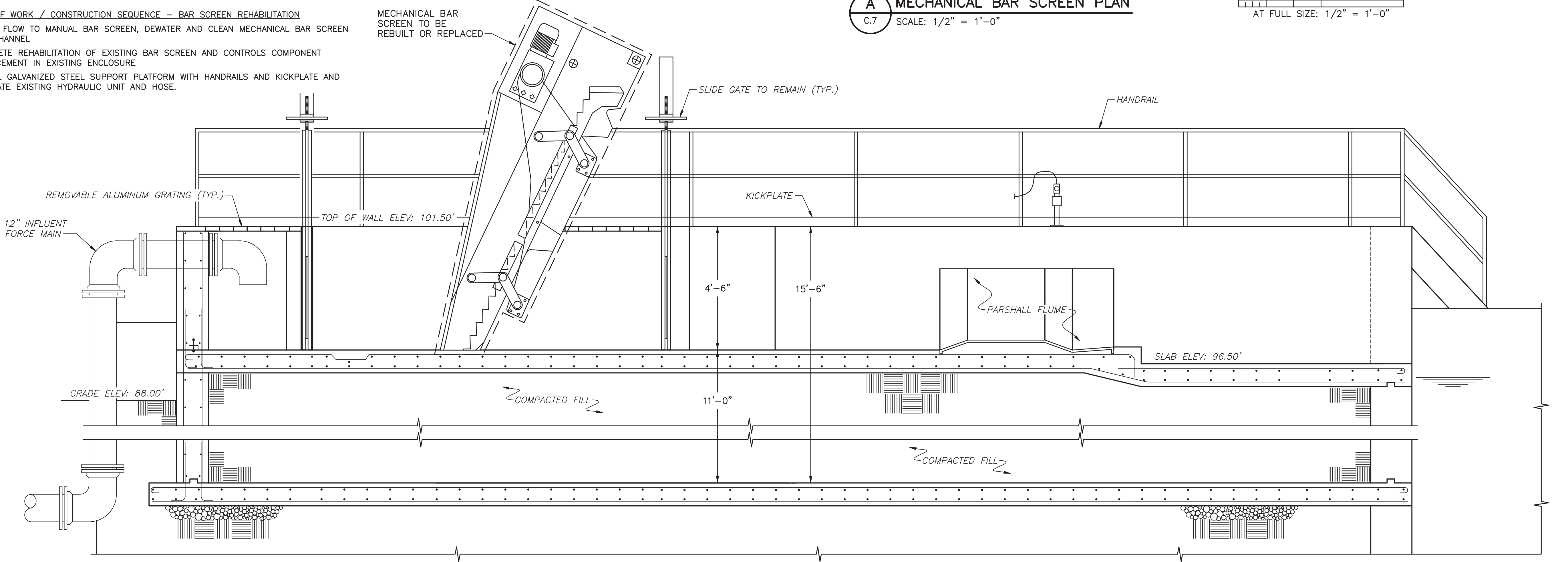


A MECHANICAL BAR SCREEN PLAN
 C.7 SCALE: 1/2" = 1'-0"



- SCOPE OF WORK / CONSTRUCTION SEQUENCE – BAR SCREEN REHABILITATION**
- DIVERT FLOW TO MANUAL BAR SCREEN, DEWATER AND CLEAN MECHANICAL BAR SCREEN AND CHANNEL
 - COMPLETE REHABILITATION OF EXISTING BAR SCREEN AND CONTROLS COMPONENT REPLACEMENT IN EXISTING ENCLOSURE
 - INSTALL GALVANIZED STEEL SUPPORT PLATFORM WITH HANDRAILS AND KICKPLATE AND RELOCATE EXISTING HYDRAULIC UNIT AND HOSE.

MECHANICAL BAR SCREEN TO BE REBUILT OR REPLACED

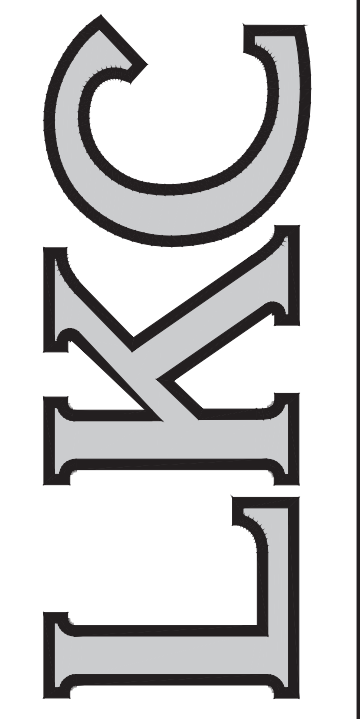


B MECHANICAL BAR SCREEN PROFILE
 C.7 SCALE: 1/2" = 1'-0"



LKC Engineering, PLLC
 140 Aqua Shed Court
 Aberdeen, NC 28315
 O: 910.420.1437
 F: 910.637.0096
 lkceengineering.com
 License No. P-1095

Engineering
 Landscape Architecture
 Surveying



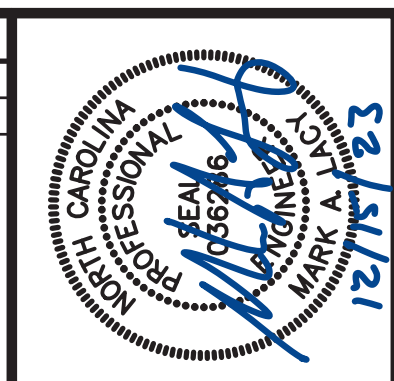
Existing Bar Screen Plan
 And Profile

WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

DATE:	December, 2023
DESIGNED:	MAL
DRAWN:	DJN
CHECKED:	MAL
NO.	

L:\Projects\22.02 - Fairmont WTP Improvements & Canal Cleaning\800 Drawings\810 Design Drawings\02 Design Drawings\810 Proposed Headworks Modifications\2.dwg; List Saved By: DANIEL 9/11/2023 2:34:09 PM; Proposed Headworks Modifications; Plotted By: Daniel Nestor, 12/14/23 02:02:20
 REVISION: go10d01, RobCo-22.02 Existing Bar Screen Profile Design, RobCo-22.02 Proposed Headworks Plan Design, RobCo-22.02 Proposed Headworks Walkway Profile Design, MAL_TE-MAL_EC.dwg, IMAG: No Images

REVISIONS			
SYM.	DESCRIPTION	DATE	BY



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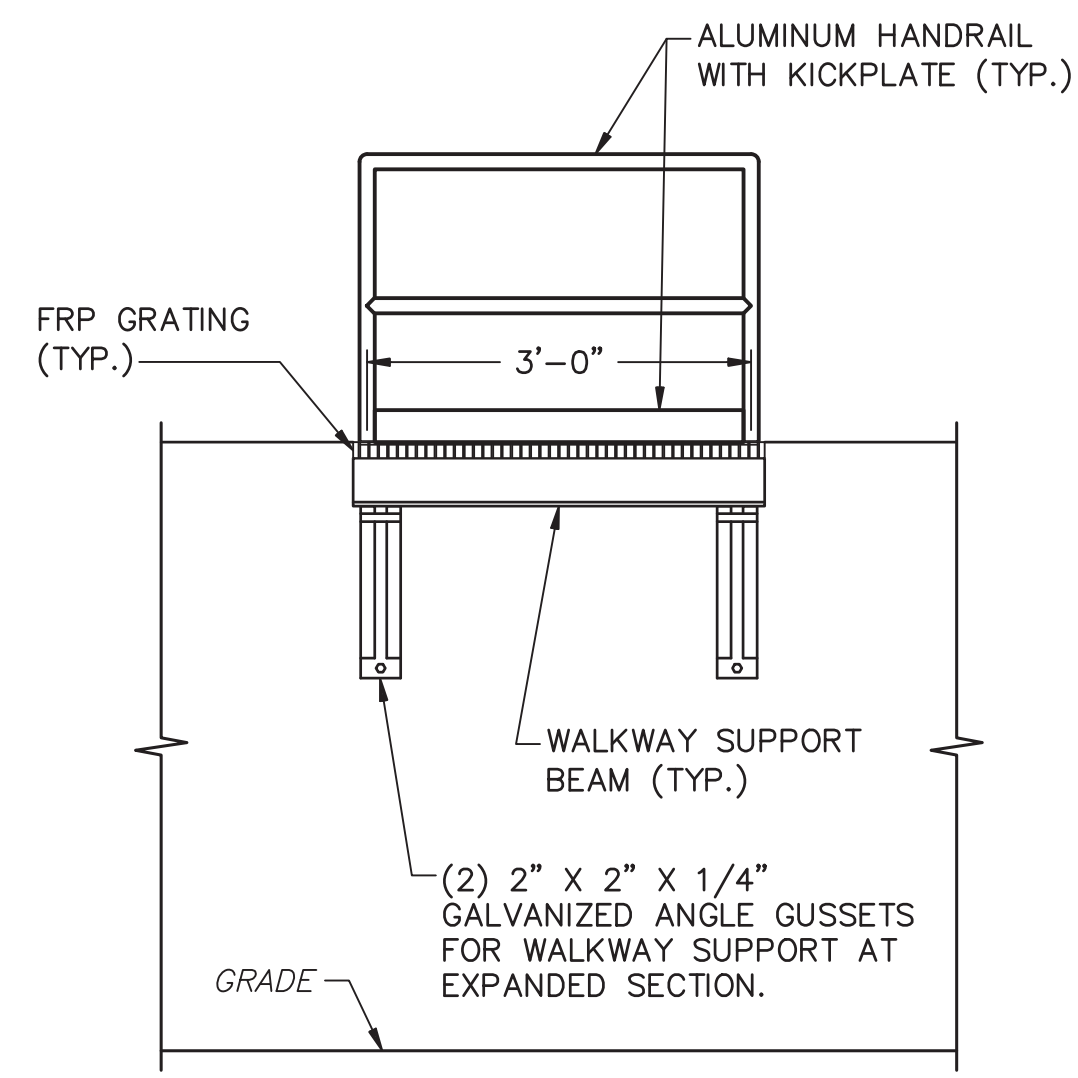
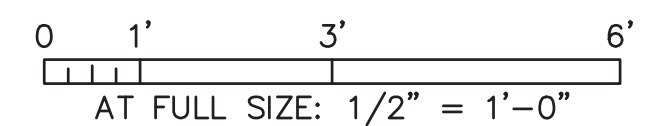
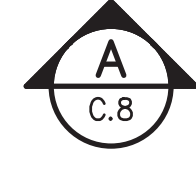
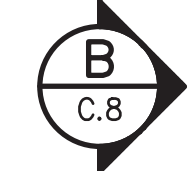
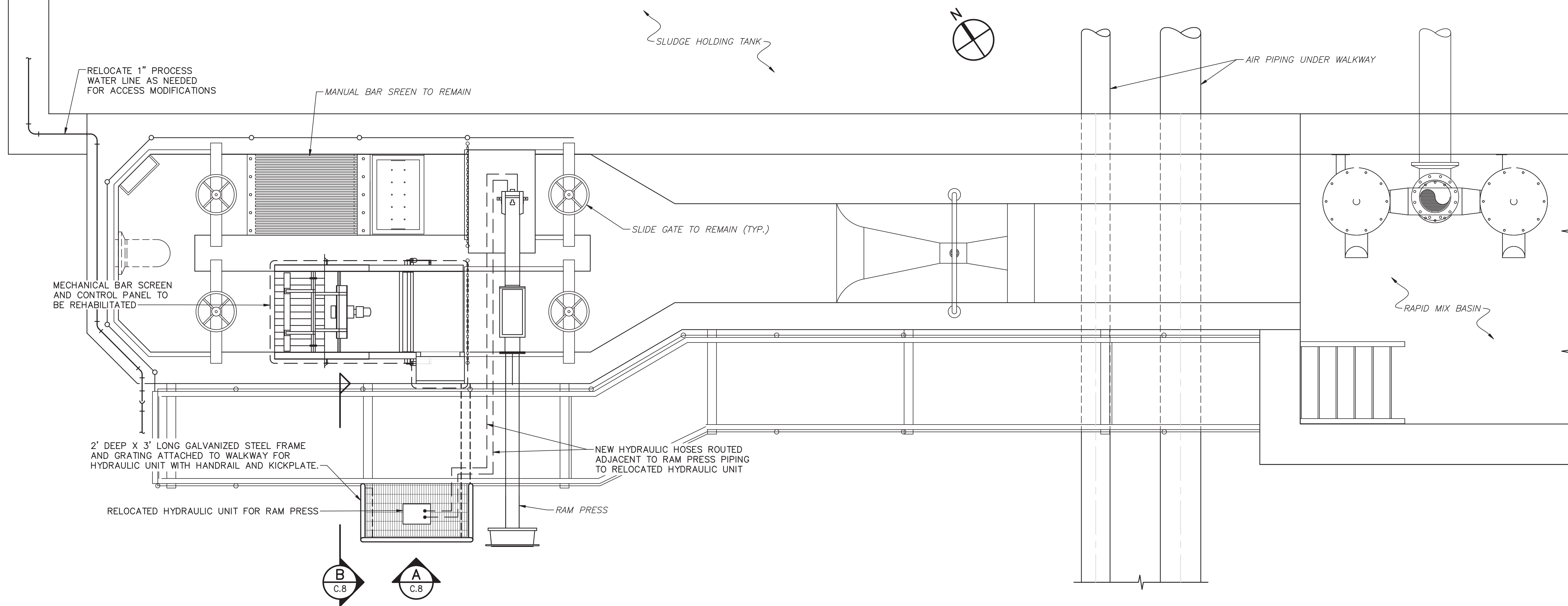
Proposed Headworks
 Modifications

WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

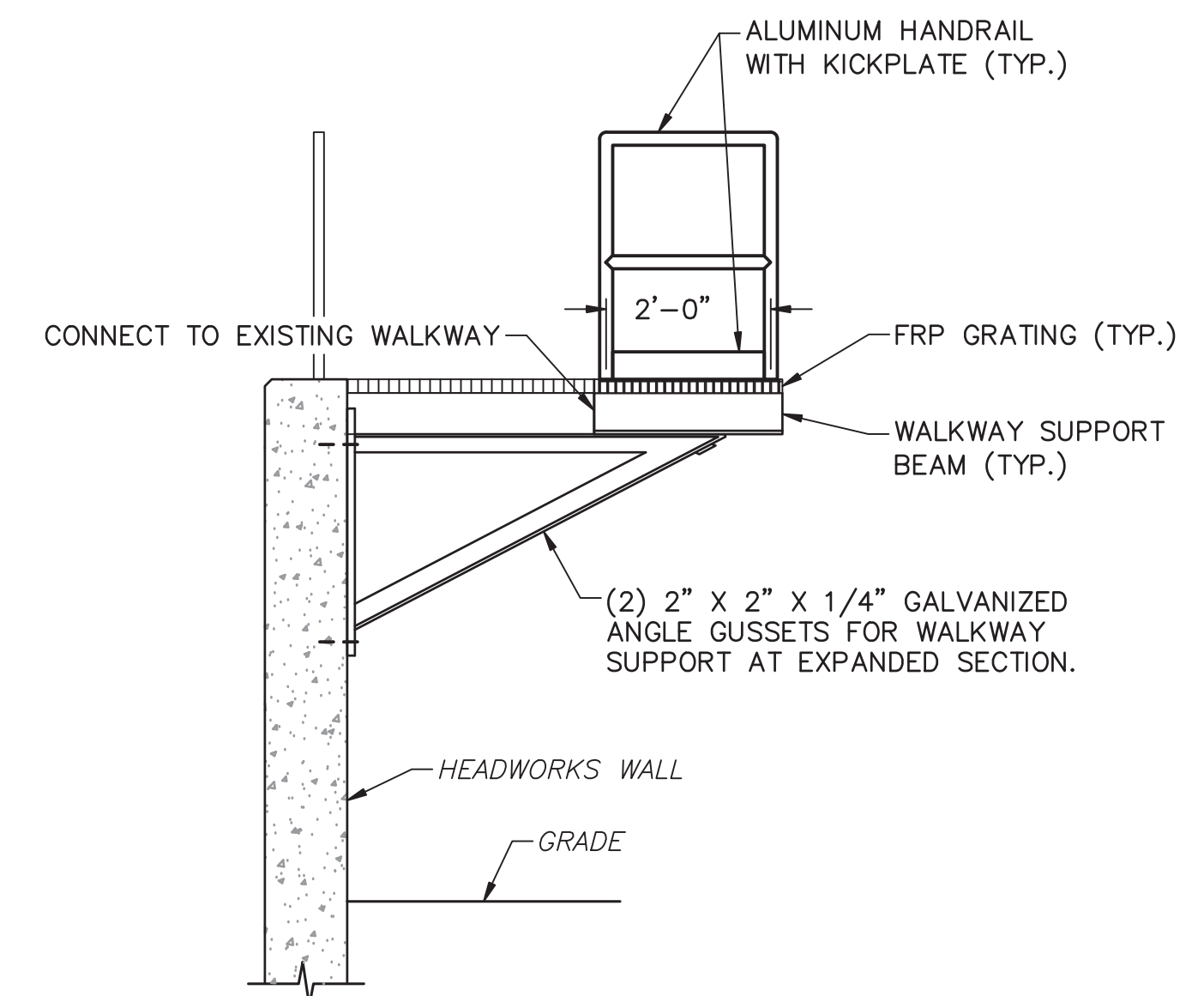
DATE: December, 2023
 DESIGNED: MAL
 DRAWN: DJN
 CHECKED: MAL
 NO.

C.8

PRELIMINARY - DO NOT USE FOR CONSTRUCTION



A PROPOSED WALKWAY ELEVATION
 C.8 NOT TO SCALE



B PROPOSED WALKWAY SECTION
 C.8 NOT TO SCALE

ATTACHMENT 1A:

Site Visit Photographs

FAIRMONT WWTP IMPROVEMENTS PROJECT – SITE VISIT PHOTOGRAPHS

Fairmont WWTP Layout and Photo Key



Photo No. 1 Grinder Unit



Photo No. 2 – Control Unit



Photo No. 3 Grinder Tooth Outlet & Disposal



Photo No. 4 Effluent Tank



Photo No. 5 Control Unit



Photo No. 6 1980's Control Unit



Photo No. 7 Entry Gate System



Photo No. 8 Entry Gate System



Photo No. 10 Lift Station



Photo No. 11 Lift Station Control Panel



Photo No. 12 Lift Station Electrical Panel



Photo No. 13 Lift Station, Facing WWTP



Photo No. 14 Lift Station Equipment Access



Photo No. 15 Lift Station Equipment



Photo No. 16 Fairmont Wastewater Treatment Plant Facing Northwest



Photo No. 17 Plant Control Equipment



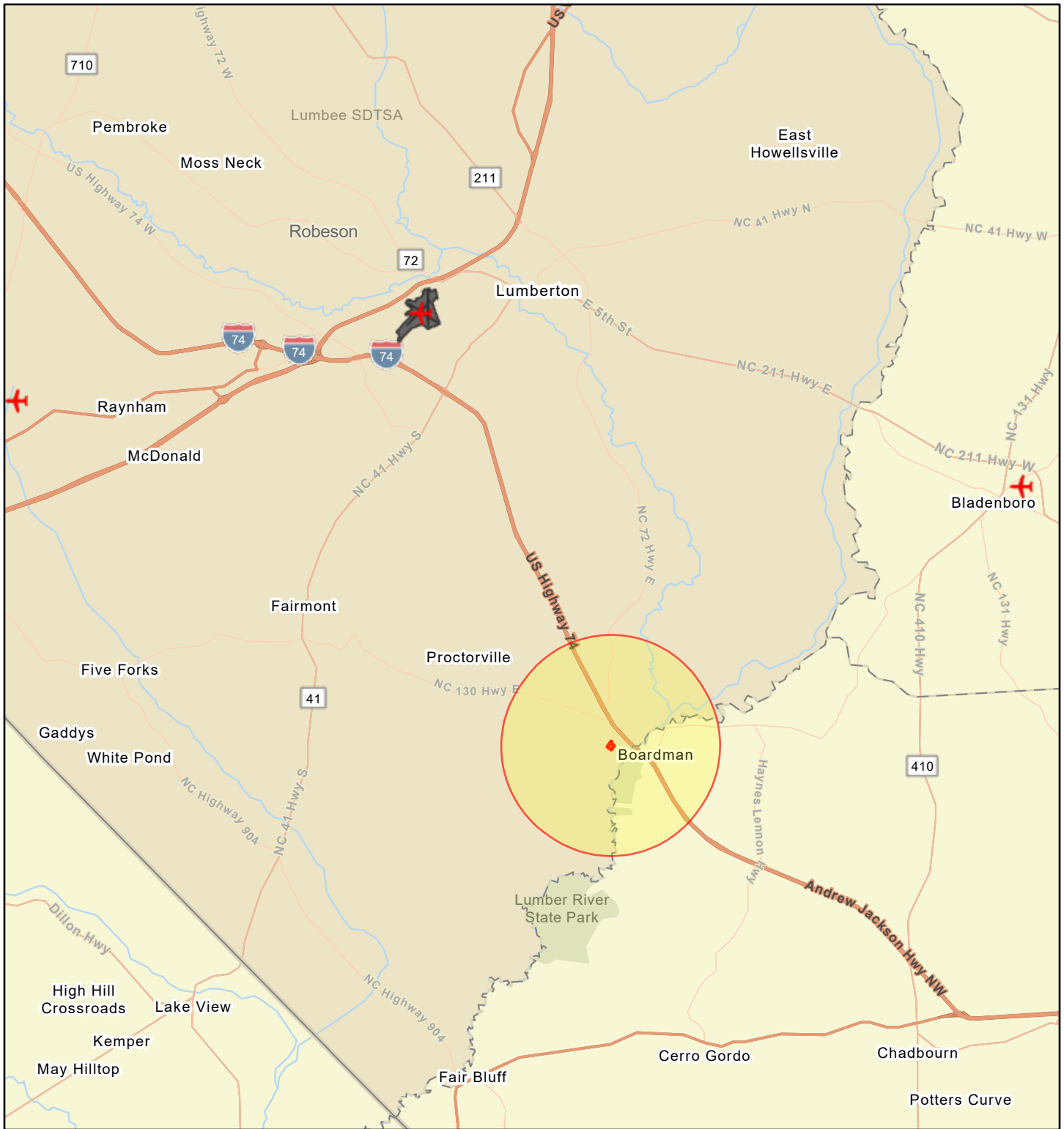
Photo No.18 Broken Effluent Gate



ATTACHMENT 2:





**NEPAssist Airport Map with
15,000-foot Buffer**

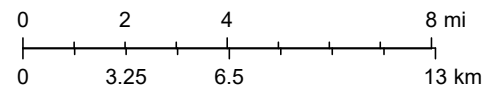
Fairmont WWTP Improvements - Airport Map Showing 15,000-foot Buffer



February 13, 2024

1:288,895

-  Project Buffer
-  Fairmont WWTP
-  Airport Points
-  Airport Polygons



Esri, TomTom, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, USFWS, EPA OEI

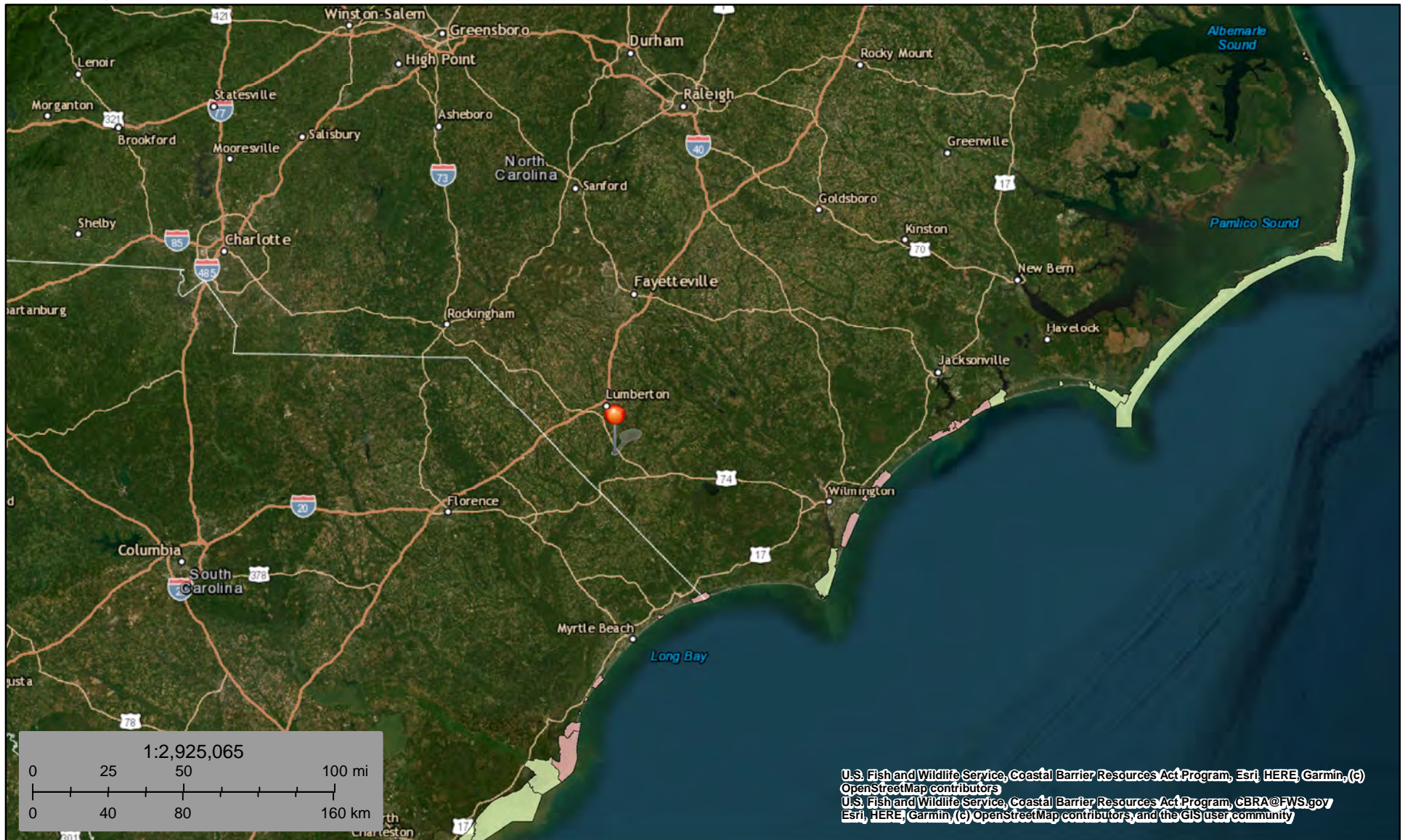
ATTACHMENT 3:

USFWS CBRS Map and Certification



U.S. Fish and Wildlife Service Coastal Barrier Resources System

Town of Fairmont WWTP



February 14, 2024

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



U.S. Fish and Wildlife Service, Coastal Barrier Resources Act Program, Esri, HERE, Garmin, (c) OpenStreetMap contributors
U.S. Fish and Wildlife Service, Coastal Barrier Resources Act Program, CBRA@FWS.gov
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community

CBRS Units

- Otherwise Protected Area
- CBRS Buffer Zone
- System Unit
- 78.970908, 34.443036

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: Town of Fairmont WWTP
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 2/14/2024 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 and PFIRM (same)
with Parcel Boundary and NFIP
Community Status Book**

National Flood Hazard Layer FIRMMette



78°58'33"W 34°26'51"N



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 Water Surface Elevation
		17.5 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 **2/15/2024 at 10:03 AM** 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.

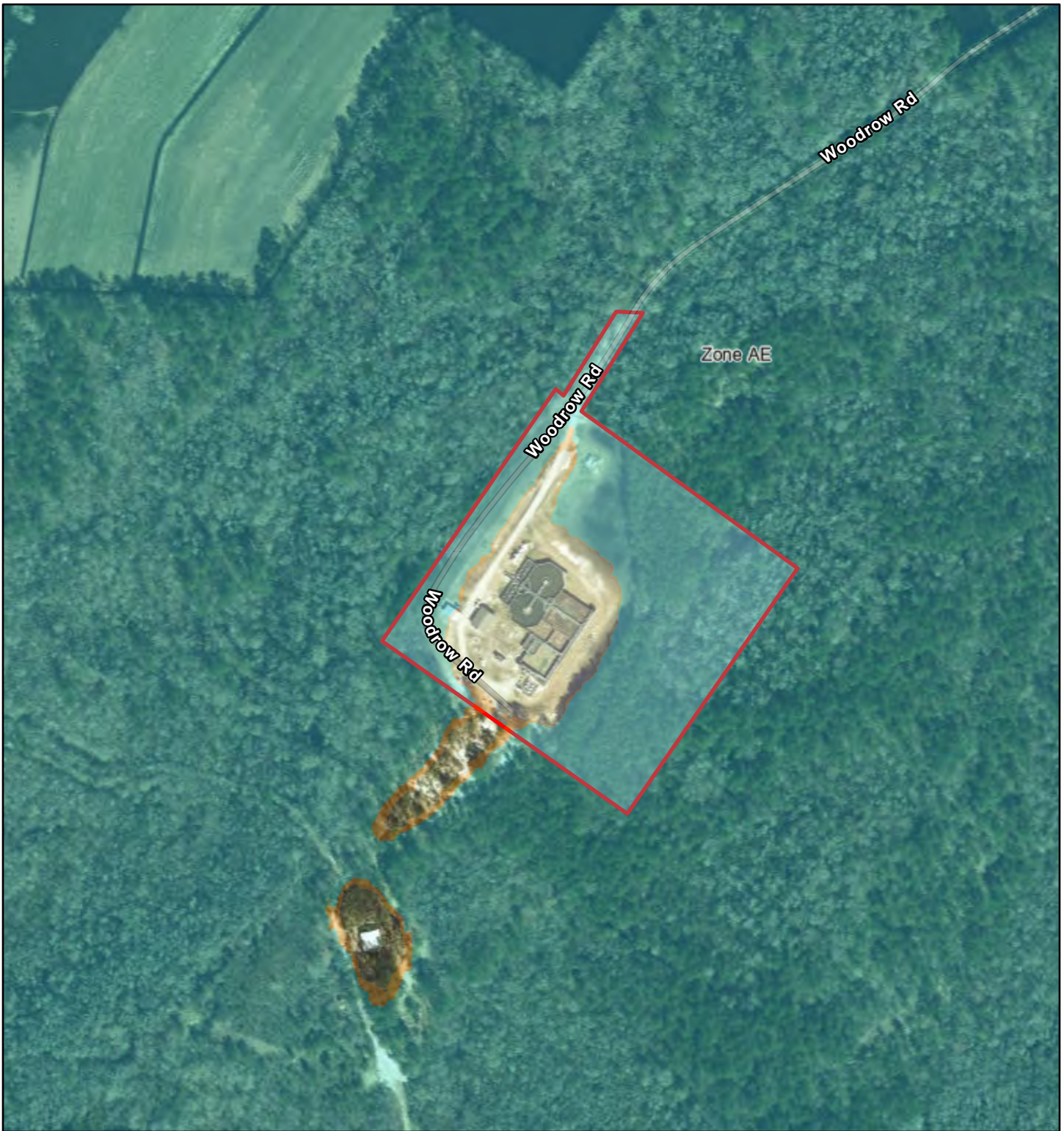
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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



Basemap Imagery Source: USGS National Map 2023

78°57'56"W 34°26'21"N

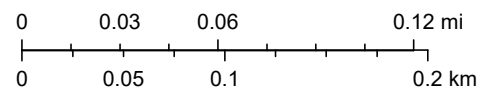
Fairmont WWTP - FEMA FIRMeTte



February 13, 2024

1:4,514

- | | |
|-----------------------------------|---|
| Flood Hazard Zones | 0.2% Annual Chance Flood Hazard |
| 1% Annual Chance Flood Hazard | Future Conditions 1% Annual Chance Flood Hazard |
| Regulatory Floodway | Area with Reduced Risk Due to Levee |
| Special Floodway | Area with Risk Due to Levee |
| Area of Undetermined Flood Hazard | Fairmont WWTP |



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



The 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 the effort, the State of North Carolina has joined in a Cooperative Technical State agreement with FEMA to produce and maintain the 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) (Zone A, V, AE)
 - With BFE or Depth (Zone AE, AH, VE, AR)
 - Regulatory Floodway
 - 0.2% Annual Chance Flood Hazards, Areas of 1% Annual Chance Flood with Average Depth Less Than One Foot or With Drainage Areas 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)
 - Areas Determined to be Outside the 0.2% Annual Chance Floodplain (Zone X)
 - OTHER AREAS OF FLOOD HAZARD**
 - 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
 - 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
 - GENERAL STRUCTURES**
 - OTHER FEATURES**

NOTES TO USERS

For information and questions about this map, available products associated with the FIRM including historic versions of the FIRM, how to order products or the National Flood Insurance Program in general, please visit the FEMA Map Information Exchange at 1-877-FEMA-MAP (1-877-368-2627) or visit the FEMA Map Service Center website at msc.fema.gov. An accompanying Flood Insurance Study Report, Letter of Map Revision (LOMR) or Letter of Map Amendment (LOMA) revising portions of the panel, and digital versions of the FIRM are also available. Visit the North Carolina Floodplain Mapping Program website at <http://www.ncfloodmaps.com> or contact the FEMA Map Service Center.

Communities receiving land use or zoning information should obtain a copy of the adjacent panel as well as the current FIRM data. These may be obtained directly from the Map Service Center at the location listed above. For community and countywide map data 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 1-800-658-6622.

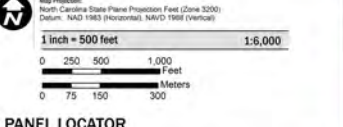
Flood Insurance Study (FIS) means an examination, evaluation, and determination of flood hazards, corresponding water surface elevations, flood hazard risk zones, and other flood data as is commonly used by the North Carolina Floodplain Mapping Program (NCFMP). The Flood Insurance Study (FIS) is comprised of the following products used together: the Digital Flood Hazard Database, the Water Surface Elevation Report, the digitally derived, unsegmented Flood Insurance Rate Map and the Flood Insurance Study Report. A Flood Insurance Study is a compilation and presentation of flood risk data for specific subwatersheds, basins, and coastal flood hazard areas within a community. This report contains detailed flood elevation data, data tables and FISB indices. When a flood study is completed for the NFIP, the digital information, reports and maps are assembled into an FIS, information shown on this FISB is provided in digital format by the NCFMP. Base map information shown on this FISB was provided in digital format by the NCFMP. The source of the information can be determined from the metadata available in the digital FLOOD database and in the Technical Support Data Notebook (TSND).

ACCREDITED LEVEE NOTES TO USERS: If an accredited levee note appears on the panel check your local community to obtain more information, such as the accredited level of protection provided (which may exceed the 1% annual-chance level) and Emergency Action Plan, on the levee system(s) shown as providing protection. To mitigate flood risk or 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/national-flood-insurance-program>.

PROVISIONALLY ACCREDITED LEVEE NOTES TO USERS: If a provisionally 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% 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 to comply with Section 65.12 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 65.12 requirements, FEMA will remove the flood insurance and floodproofing or other protective measures from the area until the 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/national-flood-insurance-program>.

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 (LIMWA). The LIMWA represents the approximate sheltered limit of the 1% flood limiting wave. The effects of wave heights between the VE Zone and the LIMWA, as between the protected and the UNPROT areas where VE Zones are not identified, will vary by location, but may exceed that in the VE Zone.

SCALE



PANEL LOCATOR



FEMA National Flood Insurance Program

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

NORTH CAROLINA

PANEL 0205

Panel Contains:
COMMUNITY: ROBESON COUNTY
CID: 370202
PANEL SUFFIX: 0205 K

VERSION NUMBER: 2.3.3.2
MAP NUMBER: 3720020500K
MAP REVISED: December 06, 2019



Community Status Book Report

Communities Participating in the National Flood Program

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
370601#	COVE CITY, TOWN OF	CRAVEN COUNTY		07/16/04	(NSFHA)	07/02/04	No					
370321#	CRAMERTON, TOWN OF	GASTON COUNTY	07/11/75	03/04/80	11/04/09	05/21/92	No					
370072L	CRAVEN COUNTY*	CRAVEN COUNTY	12/20/74	05/04/87	06/15/22	05/04/87	No	10/01/91	10/01/01	8	10%	05%
370107K	CREEDMOOR, CITY OF	GRANVILLE COUNTY	06/28/74	06/25/76	12/06/19	06/25/76	No					
370443M	CRESWELL, TOWN OF	WASHINGTON COUNTY	06/09/78	02/04/87	06/15/22	08/19/85	No	10/01/94	10/01/99	8	10%	05%
370287#	CROSSNORE, TOWN OF	AVERY COUNTY	08/05/77	08/19/86	12/03/09(M)	08/19/86	No					
370076K	CUMBERLAND COUNTY *	CUMBERLAND COUNTY	12/13/74	02/17/82	06/20/18	02/17/82	No	10/01/96	10/01/10	8	10%	05%
370078K	CURRITUCK COUNTY *	CURRITUCK COUNTY	01/31/75	11/01/84	06/19/20	11/01/84	No	10/01/93	04/01/22	6	20%	10%
370322#	DALLAS, TOWN OF	GASTON COUNTY	06/27/75	05/01/94	11/04/09	05/01/94	No					
370363#	DANBURY, TOWN OF	STOKES COUNTY	04/01/77	07/16/87	08/18/09	07/16/87	No					
375348K	DARE COUNTY*	DARE COUNTY	04/09/71	10/06/78	06/19/20	10/06/78	No	10/01/91	04/01/22	6	20%	10%
370307#	DAVIDSON COUNTY *	DAVIDSON COUNTY	06/17/77	05/01/80	06/16/09	05/01/80	No					
370503F	DAVIDSON, TOWN OF	IREDELL COUNTY/MECKLENBURG COUNTY	10/22/76	06/01/81	11/16/18	10/16/97	No					
370308#	DAVIE COUNTY *	DAVIE COUNTY	04/21/78	03/21/80	06/16/09	03/21/80	No					
370506#	DENTON, TOWN OF	DAVIDSON COUNTY		09/07/00	03/16/09	05/10/12	No					
370136#	DILLSBORO, TOWN OF	JACKSON COUNTY	03/08/74	05/15/86	04/19/10	05/15/86	No					
370652#	DORTCHES, TOWN OF	NASH COUNTY		11/03/04	07/03/07	12/29/05	No					
370664#	DOVER, TOWN OF	CRAVEN COUNTY		07/02/04	(NSFHA)	05/29/07	No					
	Community is NSFHA.											
370297#	DREXEL, TOWN OF	BURKE COUNTY	08/08/75	08/19/86	07/07/09	08/19/86	No					
370632L	DUCK, TOWN OF	DARE COUNTY	04/08/71	10/06/78	06/19/20	11/06/03	No	10/01/11	10/01/21	6	20%	10%
370264#	DUNN, CITY OF	HARNETT COUNTY	05/27/77	09/04/86	07/17/07	09/04/86	No					
370083K	DUPLIN COUNTY *	DUPLIN COUNTY	02/24/78	07/04/89	06/19/20	07/04/89	No					
370085M	DURHAM COUNTY *	DURHAM COUNTY	01/31/75	02/15/79	07/19/22	02/15/79	No	10/01/92	10/01/08	8	10%	05%
370086K	DURHAM, CITY OF	DURHAM COUNTY	01/24/74	01/17/79	07/19/22	01/17/79	No	05/01/14	10/01/19	7	15%	05%
370496L	EAST ARCADIA, TOWN OF	BLADEN COUNTY		09/01/89	(NSFHA)	06/30/97	No					
370359#	EAST LAURINBURG, TOWN OF	SCOTLAND COUNTY	07/11/75	12/16/88	07/07/14	08/15/07	No					
370211#	EAST SPENCER, TOWN OF	ROWAN COUNTY	02/22/74	07/03/78	06/16/09	07/03/78	No					
370401#	EASTERN BAND OF CHEROKEE INDIANS	HAYWOOD COUNTY/SWAIN COUNTY/JACKSON COUNTY/GRAHAM COUNTY/CHEROKEE COUNTY	11/24/78	05/17/89	04/19/10	05/17/89	Yes					
370425#	EASTOVER, TOWN OF	CUMBERLAND COUNTY		12/18/07	12/18/07	06/23/09	No					
370206#	EDEN, CITY OF	ROCKINGHAM COUNTY	10/12/73	01/05/78	01/02/09	01/05/78	No					
370062L	EDENTON, TOWN OF	CHOWAN COUNTY	02/15/74	09/15/77	12/21/18	09/15/77	No	10/01/93	04/01/22	7	15%	05%
370087J	EDGECOMBE COUNTY *	EDGECOMBE COUNTY	11/29/74	08/03/81	06/02/15	08/03/81	No					
370185K	ELIZABETH CITY, CITY OF	CAMDEN COUNTY/PASQUOTANK COUNTY	11/09/73	04/03/78	12/21/18	04/03/78	No					
370027#	ELIZABETH TOWN, TOWN OF	BLADEN COUNTY	12/21/73	07/17/86	02/16/07	07/17/86	No					
370382#	ELK PARK, TOWN OF	AVERY COUNTY	07/02/76	04/15/86	12/03/09(M)	04/15/86	No					
370225#	ELKIN, TOWN OF	WILKES COUNTY/SURRY COUNTY	06/28/74	08/15/78	12/03/09	08/15/78	No					
370521#	ELM CITY, TOWN OF	WILSON COUNTY		11/03/04	12/02/05	11/03/04	No					
370411K	ELON, TOWN OF	ALAMANCE COUNTY		06/05/89	11/17/17	06/05/89	No					
370047J	EMERALD ISLE, TOWN OF	CARTERET COUNTY	06/07/74	04/01/77	06/19/20	04/01/77	No	10/01/93	10/01/03	7	15%	05%
370115#	ENFIELD, TOWN OF	HALIFAX COUNTY	11/30/73	06/25/76	06/18/13	06/25/76	No					
370456#	ERWIN, TOWN OF	HARNETT COUNTY		04/16/90	07/17/07	02/28/97	No					
370067L	FAIR BLUFF, TOWN OF	COLUMBUS COUNTY	12/14/73	06/01/87	12/06/19	06/01/87	No					
370205#	FAIRMONT, TOWN OF	ROBESON COUNTY	02/15/74	09/01/87	01/05/07	09/01/87	No					
370024E	FAIRVIEW, TOWN OF	UNION COUNTY		10/16/08	11/16/18	06/09/09	No					
370495#	FAISON, TOWN OF	SAMPSON COUNTY/DUPLIN COUNTY		07/04/89	02/16/07	06/30/97	No					
370352#	FAITH, TOWN OF	ROWAN COUNTY	10/17/75	07/03/78	06/16/09	11/26/02	No					
370412#	FALCON, TOWN OF	SAMPSON COUNTY/CUMBERLAND COUNTY		01/05/07	12/18/07	01/05/07	No					
370666#	FALKLAND, TOWN OF	PITT COUNTY		01/02/04	05/16/08	01/02/04	No					

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 March 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.

2024-03-31


ATTACHMENT 6:

Division of Coastal Zone Management Counties List, Map and Correspondence



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:

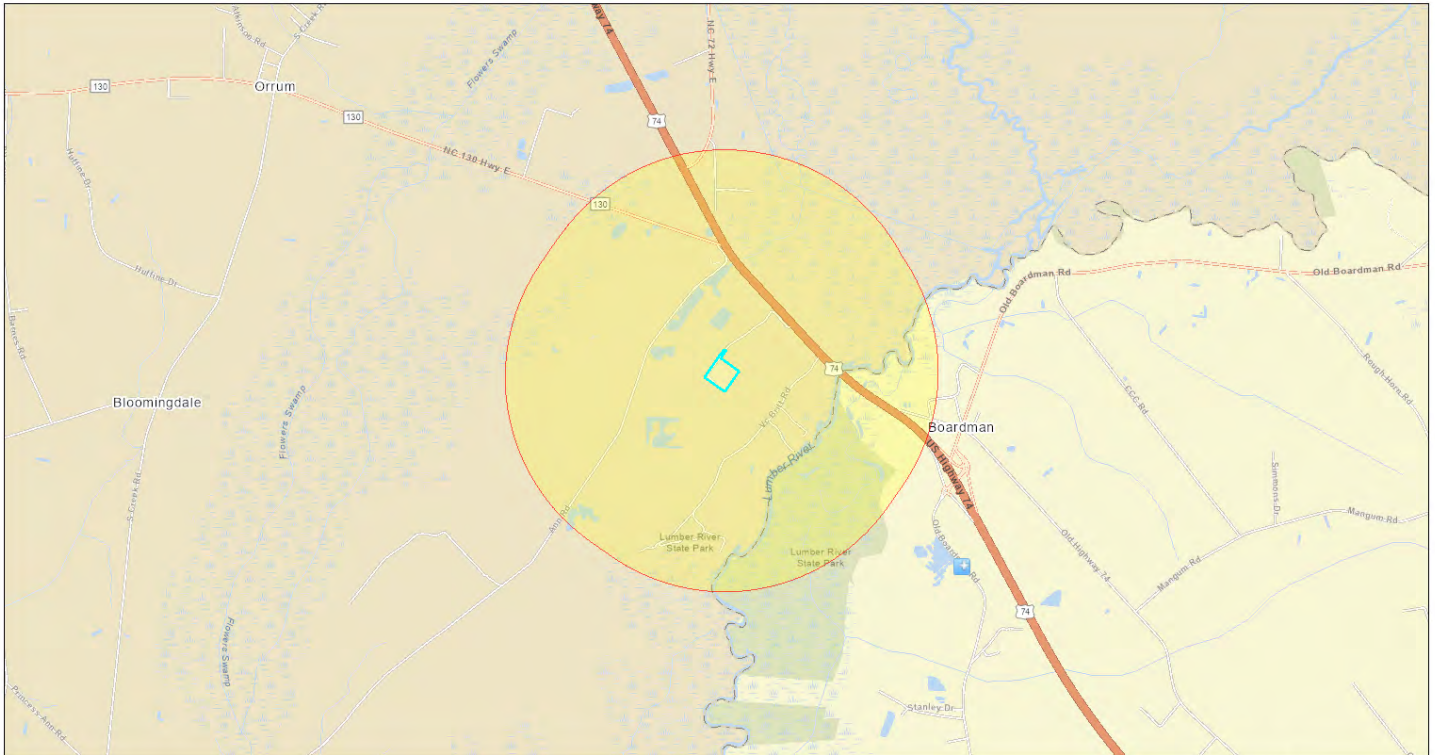
Contamination and Toxic Substances

NEPAssist EPA Facilities Report and Map with 1-mile Buffer, NC DEQ DWM Site Locator Report and Map with 1-mile Buffer, Site Visit Questionnaire, Site Visit Photographs, Historical Aerials, Telephone Conversation Record, and Radon Levels Based on CDC National Environmental Public Health Tracking Network Data

NEPAssist Report

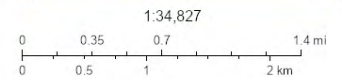
Fairmont WWTP - EPA Facilities 1-mile Buffer

A3 Landscape



February 13, 2024

- Water Dischargers (NPDES)
- Project Buffer
- Fairmont WWTP - EPA Facilities 1-mile Buffer



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

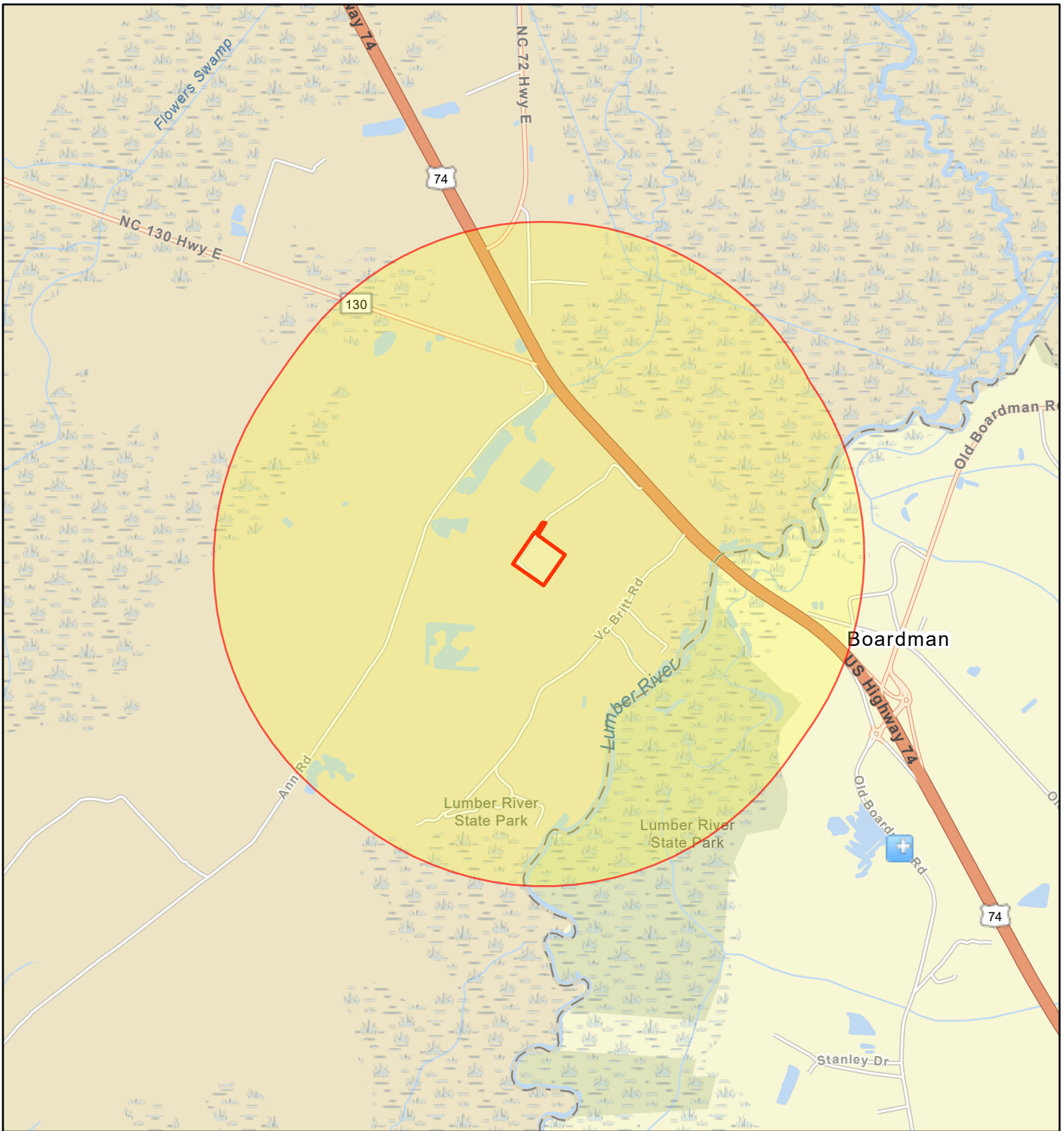
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Project Area	0.02 sq mi
Within 1 mile of an Ozone 1-hr (1979 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of an Ozone 8-hr (1997 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of an Ozone 8-hr (2008 standard) Non-Attainment/Maintenance 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?	yes
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)?	no
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: 2/13/2024 10:25:29 AM

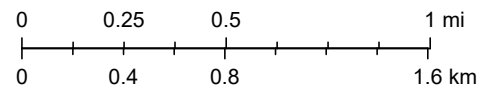
Fairmont WWTP - EPA Facilities with 1-mile Buffer



February 13, 2024

1:36,112

-  Water Dischargers (NPDES)
-  Project Buffer
-  Fairmont WWTP - EPA Facilities 1-mile Buffer



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

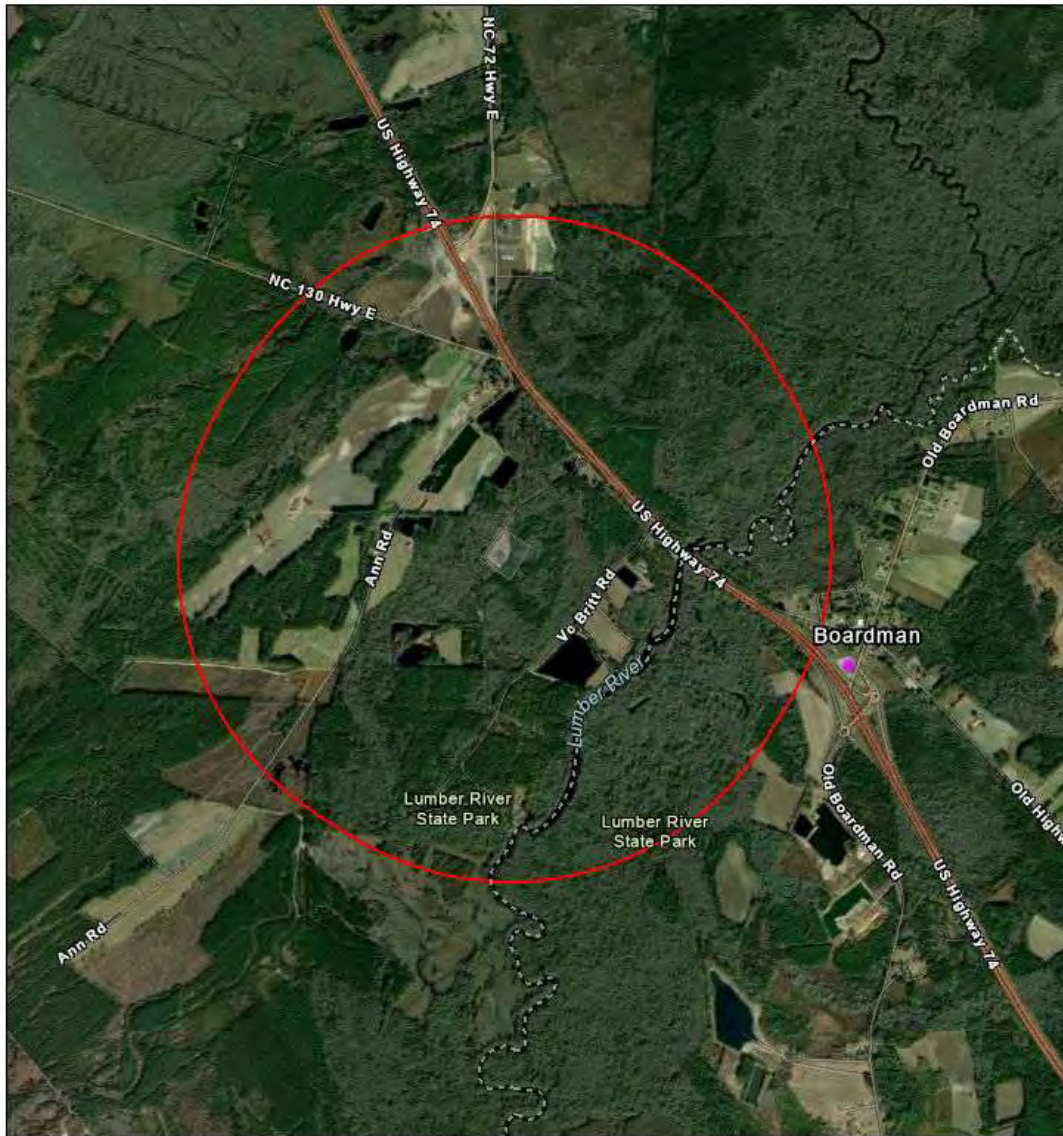


Screening Report - Fairmont WWTP with 1-mile Buffer

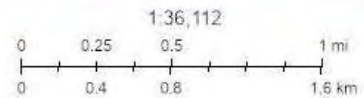
Area of Interest (AOI) Information

Area : 103,168,541.43 ft²

Mar 14 2024 11:57:58 Eastern Daylight Time



● UST Active Facilities



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, State of North Carolina DOT, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NADA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

INFRASTRUCTURE NEPA REVIEW QUESTIONNAIRE & SITE VISIT

Project Name: Town of Fairmont Regional WWTP Upgrades
Address(es): 133 Woodrow Road, Orrum, North Carolina
HUD Program: CDBG-Mitigation (CDBG-MIT) for Infrastructure Recovery Program
HUD Funding Amount: \$575,000.00
Non-HUD Program: N/A
Non-HUD Funding Amount: \$0.00
Non-HUD Funding Source: N/A
Non-HUD Funding Amount: \$0.00
Non-HUD Funding Source: N/A
Non-HUD Funding Amount: \$0.00
Project Description: Upgrades to hard sewage infrastructure and electrical controls equipment
State/Local Identifier: 37

Type of Facility	<input checked="" type="checkbox"/> Public owned <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Residential
Land Use Type and # Units (check all that apply)	<input type="checkbox"/> Single Family Residential <input type="checkbox"/> Multi-family Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Public services <input type="checkbox"/> Vacant, list previous use:
Names of Non-residential Tenants on the Property and # Units (Companies, Organizations, Public Services, Vacant and if for lease, etc.)	Town of Fairmont, NC
Project Type (check all that apply)	<input type="checkbox"/> Acquisition of Property <input type="checkbox"/> Demolition <input type="checkbox"/> New Construction <input checked="" type="checkbox"/> Rehabilitation of Existing <input type="checkbox"/> Expansion of Existing <input checked="" type="checkbox"/> Replacement of Existing <input type="checkbox"/> Relocation <input type="checkbox"/> Leasing <input type="checkbox"/> Machinery and Equipment (tools) <input type="checkbox"/> Other, explain:
Other Non-HUD Funding will be Used for this Project	<input type="checkbox"/> Yes, list source(s) and amount: <input checked="" type="checkbox"/> No

Reason/Need for Project	Mitigation of sewage spills during storm events
Project Location and Project Plans	Attach site plans, if available. Plans are: <input type="checkbox"/> Pending <input type="checkbox"/> Preliminary <input type="checkbox"/> 30% or other %: <input checked="" type="checkbox"/> Final <input type="checkbox"/> If no plans are available, draw on tax maps (to be provided.) Please verify correct parcels and street addresses identified on tax maps.
Square Footage of Project	446,054 s.f.
Soil Disturbance from Project	<input checked="" type="checkbox"/> Yes, cause and depth: Fill, 2'-3' soil, build up slope to sewer lift station. <input type="checkbox"/> No <input type="checkbox"/> Unknown
Fill Needed for Project	<input checked="" type="checkbox"/> Yes, source: Fill, 2'-3' soil, build up slope to sewer lift station. <input type="checkbox"/> No <input type="checkbox"/> Unknown
Site Inspections and/or Site Photographs	<input checked="" type="checkbox"/> Yes, please attach. <input type="checkbox"/> Pending <input type="checkbox"/> No
Past Use of Site	<input type="checkbox"/> Used as a dump, sanitary landfill or mine waste disposal area? Other: Sewer Lift Station and Wastewater Treatment Plant
Environmental Inspections (Check all that apply. Identify if completed or pending <u>and</u> attach, if available. Include if previously done for site)	<input type="checkbox"/> None <input type="checkbox"/> Phase I ESA <input type="checkbox"/> Phase 2 ESA/Limited Site or Remedial Investigation (soils test) <input type="checkbox"/> Phase 3 ESA <input type="checkbox"/> Vapor Testing <input type="checkbox"/> Phase I Archeological Survey <input type="checkbox"/> Asbestos Inspection <input type="checkbox"/> Lead Inspection <input type="checkbox"/> Noise Assessment <input type="checkbox"/> Traffic Study <input type="checkbox"/> H&H Study <input type="checkbox"/> Other:
Historic Properties	<input type="checkbox"/> Year Structure Built <input checked="" type="checkbox"/> Year Developed: c. 2001 <input type="checkbox"/> Identified Historical Building or Property (onsite or adjacent?)
Aboveground (AST) or Underground (UST) Storage	<input type="checkbox"/> Yes, type and gallons, if known: <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown

Tanks Onsite, adjacent or proposed?	<input type="checkbox"/> Offsite, if known
Other Hazardous Materials used onsite (Large Quantity Chemicals, Fuels, etc.)	List, if known: Raw and treated sewage
Permits Required for Project (Identify Type, Status and attach if available)	<input type="checkbox"/> Yes, list type and status: <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown/TBD
If New Construction, connecting to existing utilities (sewer and water), energy efficient	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, explain:
Parks Located Nearby	<input type="checkbox"/> Yes, type: <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
Wetland, Lake, River or Ocean on or adjacent to site	<input checked="" type="checkbox"/> Yes Type and Location:
Transportation at the Site (note if adding/upgrading/using existing)	<input type="checkbox"/> Sidewalks <input type="checkbox"/> Bike Paths <input type="checkbox"/> Bus Access <input type="checkbox"/> Train Access Site is accessed by elevated gravel road on dirt subbase. Driveway is gravel on grade, to WWTP office.
Agency Consults already completed? Previous NEPA review completed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
Other adjacent properties owned by same Subrecipient?	<input checked="" type="checkbox"/> Yes, and Addresses: Site Access Road; ROW from Woodrow Road to Site. <input type="checkbox"/> No
Other projects on site or adjacent property by Subrecipient not included in Project Description/ Environmental Review?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
Private or Non-HUD funds committed before NEPA done? (Choice Limiting Action)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown

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
Town of Fairmont WWTP Regional Upgrades	B. Blankenship	01/14/2023

ZONING

Is the project in compliance or conformance with local zoning?

Yes No (explain) _____
 Not applicable (explain) _____

SITE OBSERVATIONS

Soil Stability, Erosion, and Drainage

Describe slope at project site (Steep, Moderate, Slight, Level):

Generally level, with slight incline west to east (less than 1% grade).

***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	x	Marsh, bogs, swamps (Adjacent North Property)
	Streams, Rivers		Ponds
	Coastline		Lake

Explain Wetlands onsite or adjacent below:

North adjacent property below grade of subject property, site of swamp with standing water and trees.

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	Unightly land uses		Inadequate screened drainage catchments
	Gas, smoke, fumes	x	Odors
	High pressure gas or liquid petroleum transmission lines on site	x	Other (Specify)

Explain Toxic Chemical and Contamination onsite or adjacent below:

Unightly Land Use, Odors, Other: Operable Wastewater Treatment Plant

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)

Proposed mitigation strategies (concrete pad, barrier, etc.) if siting of any tanks?

Underground Storage Tanks

List visible tanks				
Tank Location	Tank Contents	Tank Size	Flammable? (Yes or No)	Pressurized? (Yes or No)

B. Blankenship _____

Lead Investigator's Signature

1/14/2023 _____

Date

FAIRMONT WWTP IMPROVEMENTS PROJECT – SITE VISIT PHOTOGRAPHS

Fairmont WWTP Layout and Photo Key



Photo No. 1 Grinder Unit



Photo No. 2 – Control Unit



Photo No. 3 Grinder Tooth Outlet & Disposal



Photo No. 4 Effluent Tank



Photo No. 5 Control Unit



Photo No. 6 1980's Control Unit



Photo No. 7 Entry Gate System



Photo No. 8 Entry Gate System



Photo No. 10 Lift Station



Photo No. 11 Lift Station Control Panel



Photo No. 12 Lift Station Electrical Panel



Photo No. 13 Lift Station, Facing WWTP



Photo No. 14 Lift Station Equipment Access



Photo No. 15 Lift Station Equipment



Photo No. 16 Fairmont Wastewater Treatment Plant Facing Northwest



Photo No. 17 Plant Control Equipment



Photo No.18 Broken Effluent Gate



Photo No. 19 Effluent Pond




**Photo No. 20 Effluent Pond
(Height Due to Storm-Damaged Gates)**

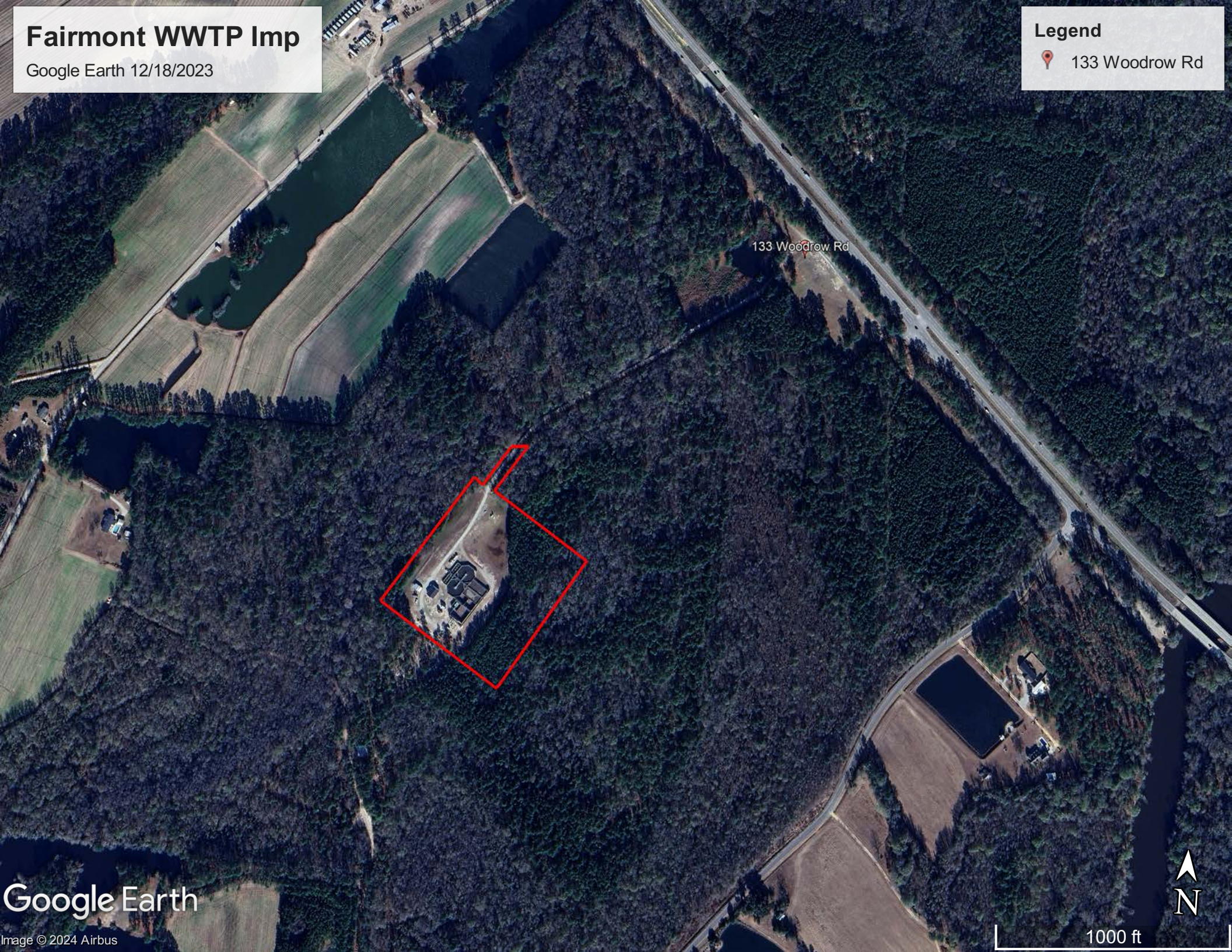


Fairmont WWTP Imp

Google Earth 12/18/2023

Legend

 133 Woodrow Rd



133 Woodrow Rd

Google Earth

Image © 2024 Airbus


1000 ft



Fairmont WWTP Imp

Google Earth 2/4/2019

Legend

 133 Woodrow Rd


133 Woodrow Rd



Fairmont WWTP Imp

Google Earth 10/29/2016

Legend


 133 Woodrow Rd



Fairmont WWTP Imp

Google Earth 3/12/2011

Legend

 133 Woodrow Rd

133 Woodrow Rd

Google Earth


1000 ft



Fairmont WWTP Imp

USDA 5/30/2009

Legend

 133 Woodrow Rd

133 Woodrow Rd



Google Earth

Image USDA/FPAC/GEO


1000 ft



Fairmont WWTP Imp

Google Earth 6/17/2008

Legend

 133 Woodrow Rd




133 Woodrow Rd



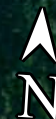
Fairmont WWTP Imp

USDA 6/30/2006

Legend

 133 Woodrow Rd


133 Woodrow Rd



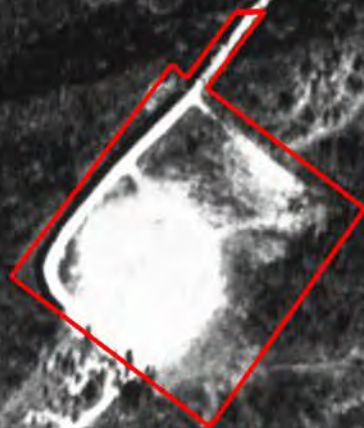
Fairmont WWTP Imp

USGS 3/3/1999

Legend

 133 Woodrow Rd

133 Woodrow Rd



Google Earth

Image U.S. Geological Survey




1000 ft

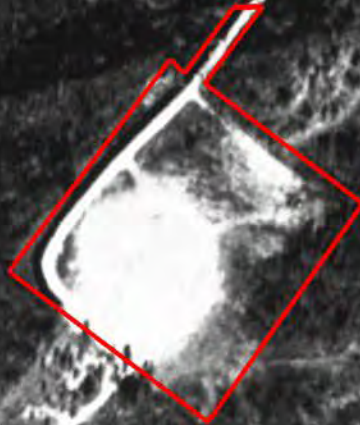
Fairmont WWTP Imp

USGS 12/30/1998

Legend

 133 Woodrow Rd


133 Woodrow Rd



Fairmont WWTP Imp

USGS 2/23/1993

Legend

 133 Woodrow Rd

133 Woodrow Rd



Google Earth

Image U.S. Geological Survey




1000 ft

Fairmont WWTP Imp

Landsat 12/30/1985

Legend

 133 Woodrow Rd

133 Woodrow Rd



Fairmont WWTP Improvements - NHAP 3/22/1983





North Carolina Department of Public Safety

Office of Recovery and Resiliency

Roy Cooper, Governor
Eddie M. Buffaloe, Jr., Secretary

Laura H. Hogshead, Director

TELEPHONE CONVERSATION RECORD

PROJECT: Fairmont WWTP Improvements

DATE: April 15, 2024

TIME: 10:49 AM

PARTICIPANTS: Ms. Andrea Gievers, NCORR Environmental SME, and Chad Maynor and Tommy Fields, Town of Fairmont Public Works Department

CONTACT INFO: (910) 628-0064

RE: Fairmont WWTP Site Conditions

Conversation Notes:

Ms. Andrea Gievers spoke to Chad Maynor who handed the phone to Tommy Fields, ORC, at the Town of Fairmont Public Works Department, concerning site conditions at the Fairmont WWTP facility. Mr. Fields stated that the plant is approximately 22 years old, there are no USTs located onsite, and that staff occupy the office at least 5 hours per day on the Subject Property.

CDC Health Tracking Data Explorer

Robeson County - State Tests – 2013 through 2022

Annual Mean Pre-Mitigation Radon Level Measurements in Tested Buildings

StateFIPS	State	CountyFIPS	County	Year	Value	Data Comment
37	North Carolina	37155	Robeson	2013	0.5	
37	North Carolina	37155	Robeson	2014	1	< 10 Tests
37	North Carolina	37155	Robeson	2015	0.5	< 10 Tests
37	North Carolina	37155	Robeson	2016	0.6	
37	North Carolina	37155	Robeson	2017	0.7	
37	North Carolina	37155	Robeson	2018	0.4	
37	North Carolina	37155	Robeson	2019	0.4	
37	North Carolina	37155	Robeson	2020	0.4	
37	North Carolina	37155	Robeson	2021	0.3	< 10 Tests
37	North Carolina	37155	Robeson	2022	0.1	< 10 Tests

Average from 2013-2022 = 0.49 pCi/L

StateFIPS	State	CountyFIPS	County	Year	Value
37	North Carolina	37155	Robeson	2013	8
37	North Carolina	37155	Robeson	2014	3
37	North Carolina	37155	Robeson	2015	7
37	North Carolina	37155	Robeson	2016	18
37	North Carolina	37155	Robeson	2017	12
37	North Carolina	37155	Robeson	2018	24
37	North Carolina	37155	Robeson	2019	31
37	North Carolina	37155	Robeson	2020	15
37	North Carolina	37155	Robeson	2021	6
37	North Carolina	37155	Robeson	2022	1

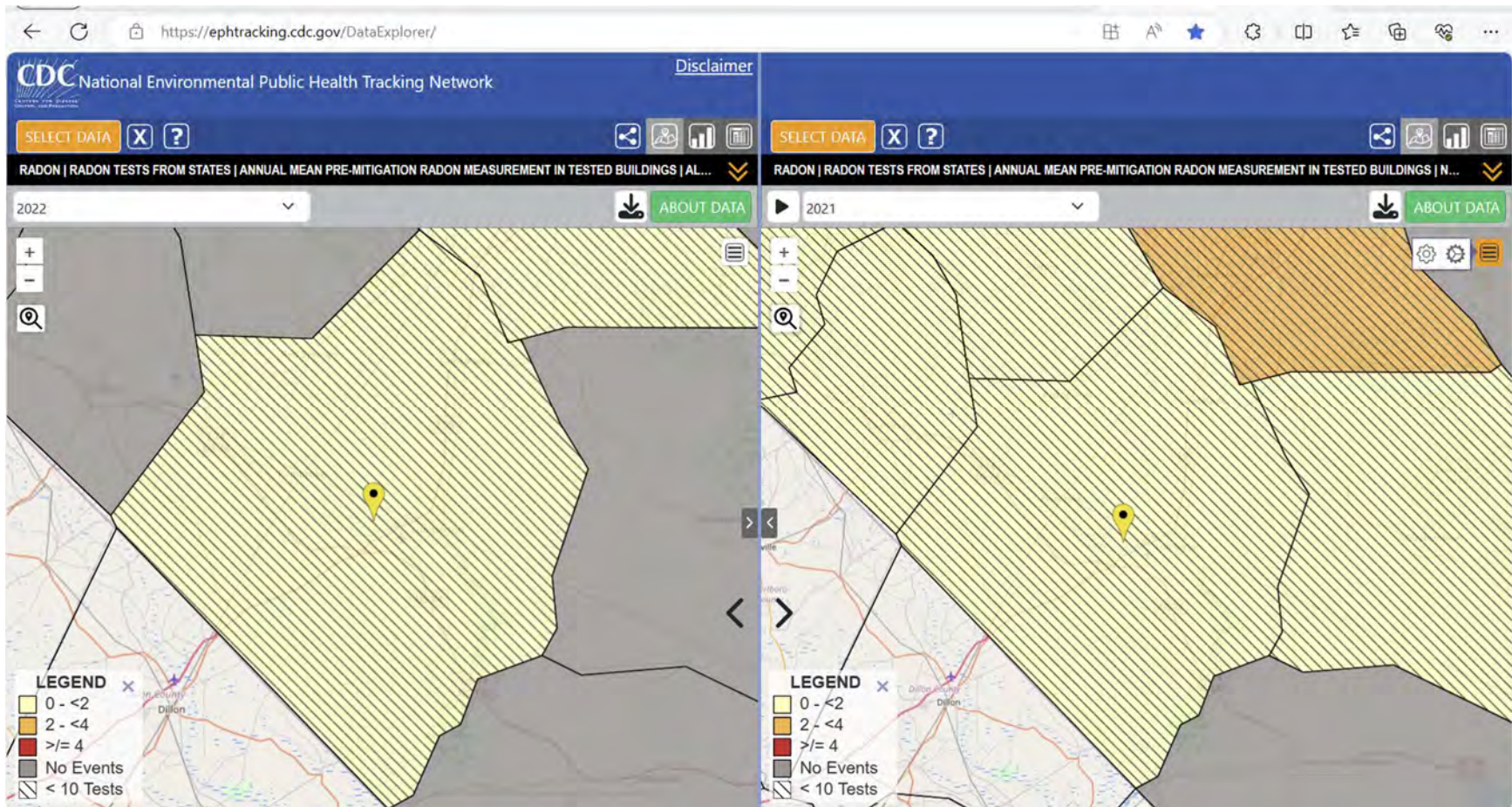
Total Tests in Previous 10 Years = 125

CDC National Environmental Public Health Tracking Network, at <https://ephtracking.cdc.gov/DataExplorer> accessed on 04/15/2024.

CDC Health Tracking Data Explorer

Robeson County - State Tests – 2022 & 2021

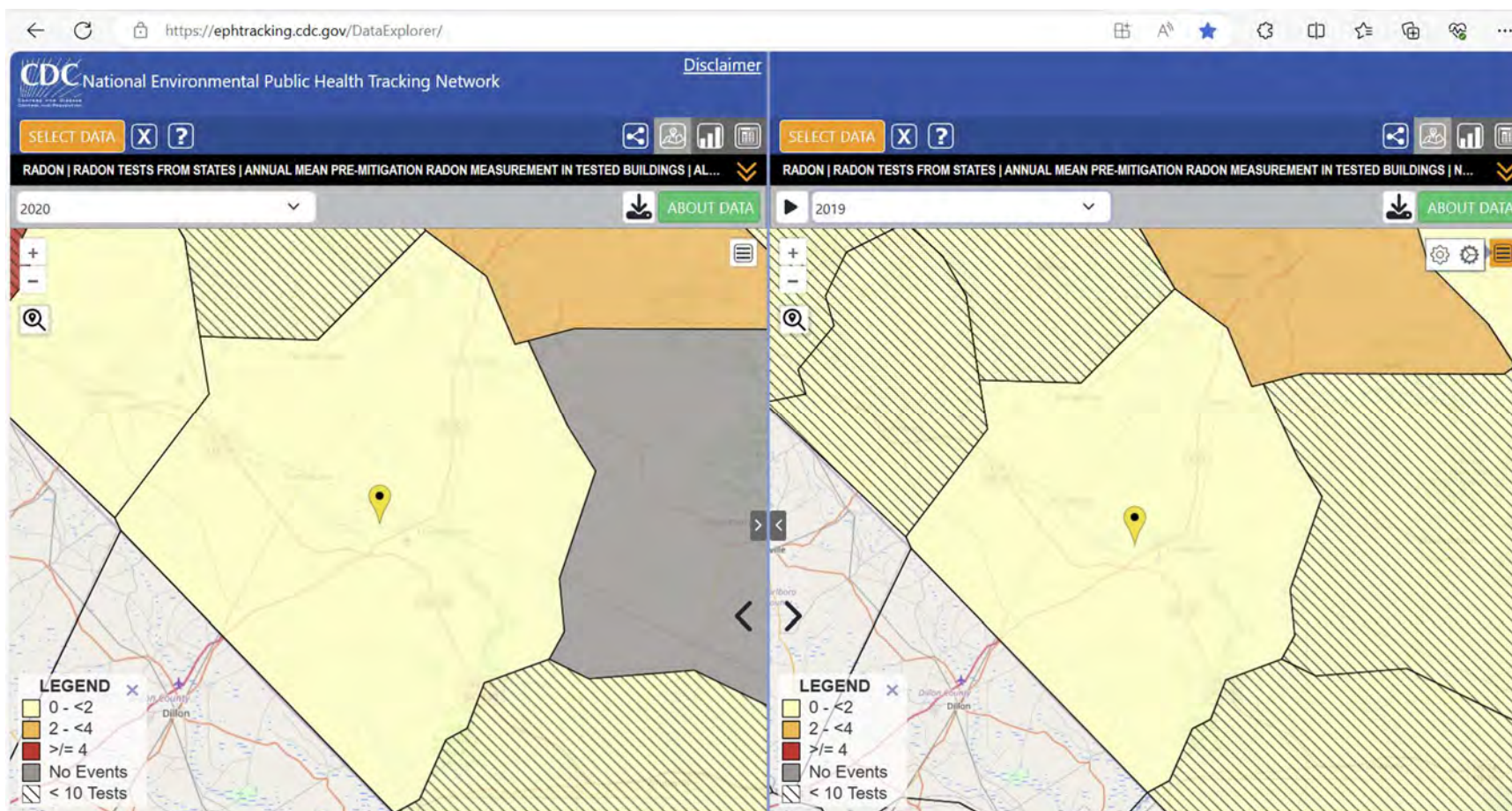
Annual Mean Pre-Mitigation Radon Level Measurements in Tested Buildings



CDC Health Tracking Data Explorer

Robeson County - State Tests – 2020 & 2019

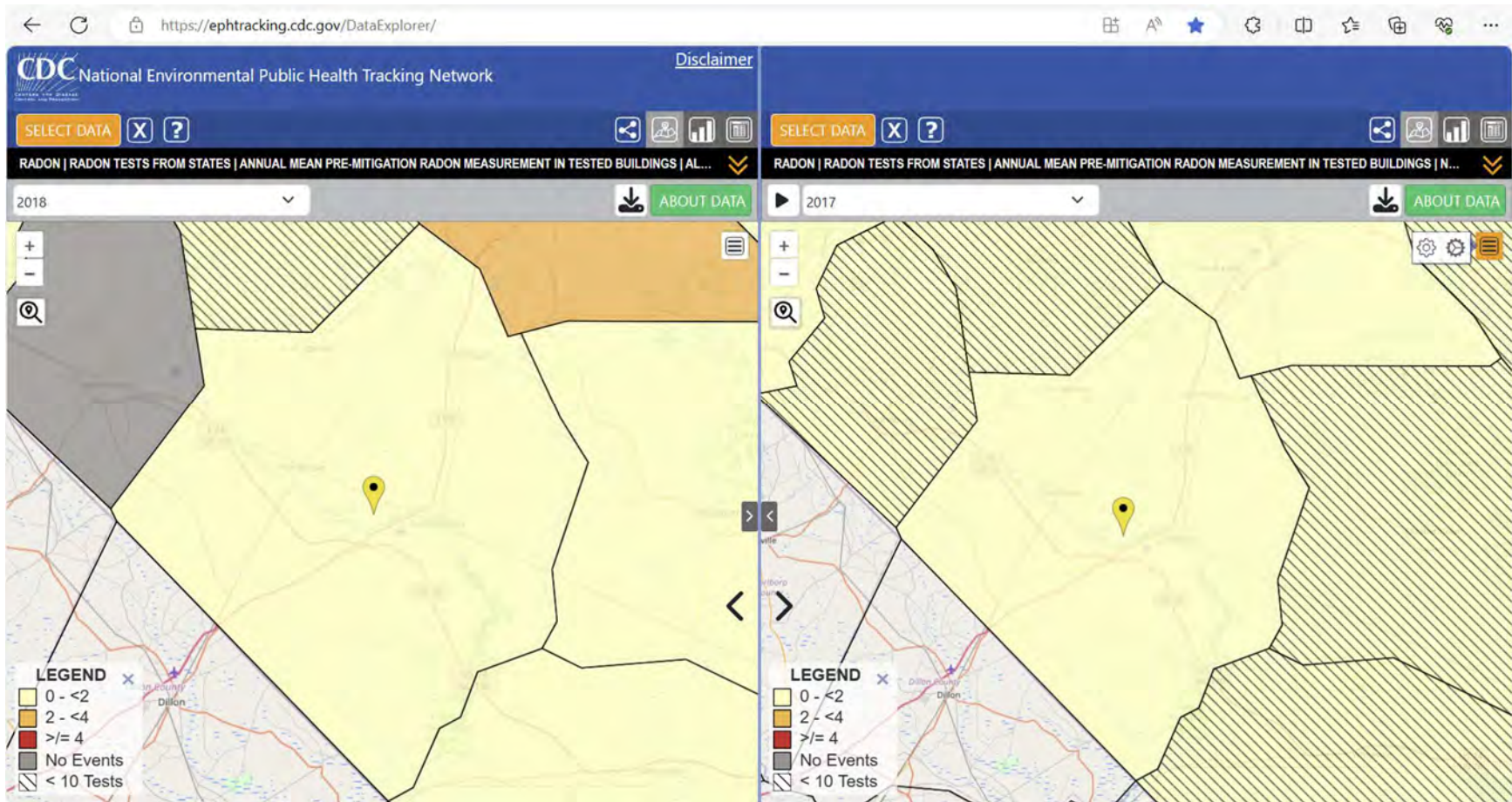
Annual Mean Pre-Mitigation Radon Level Measurements in Tested Buildings



CDC Health Tracking Data Explorer

Robeson County - State Tests – 2018 & 2017

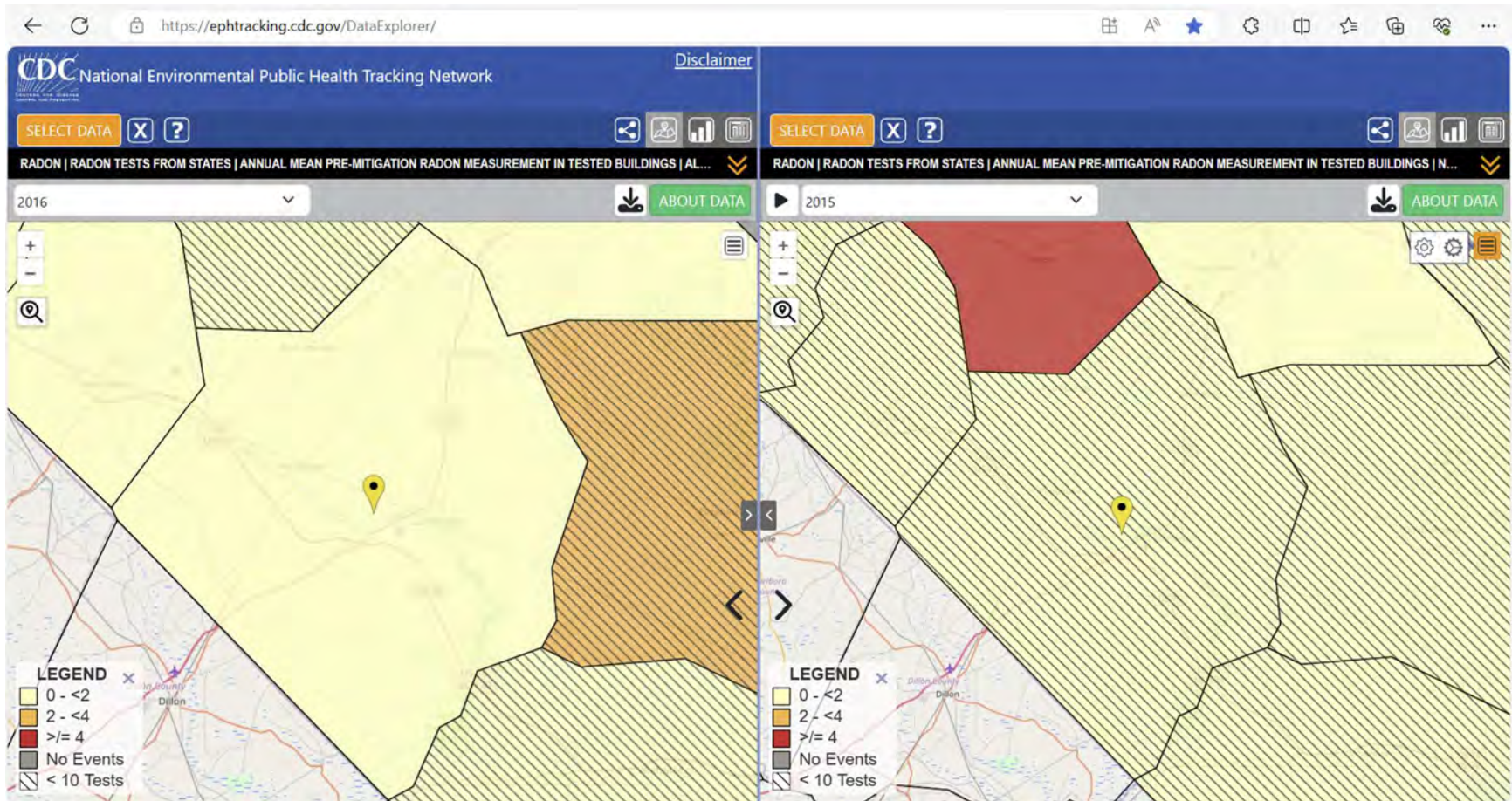
Annual Mean Pre-Mitigation Radon Level Measurements in Tested Buildings



CDC Health Tracking Data Explorer

Robeson County - State Tests – 2016 & 2015

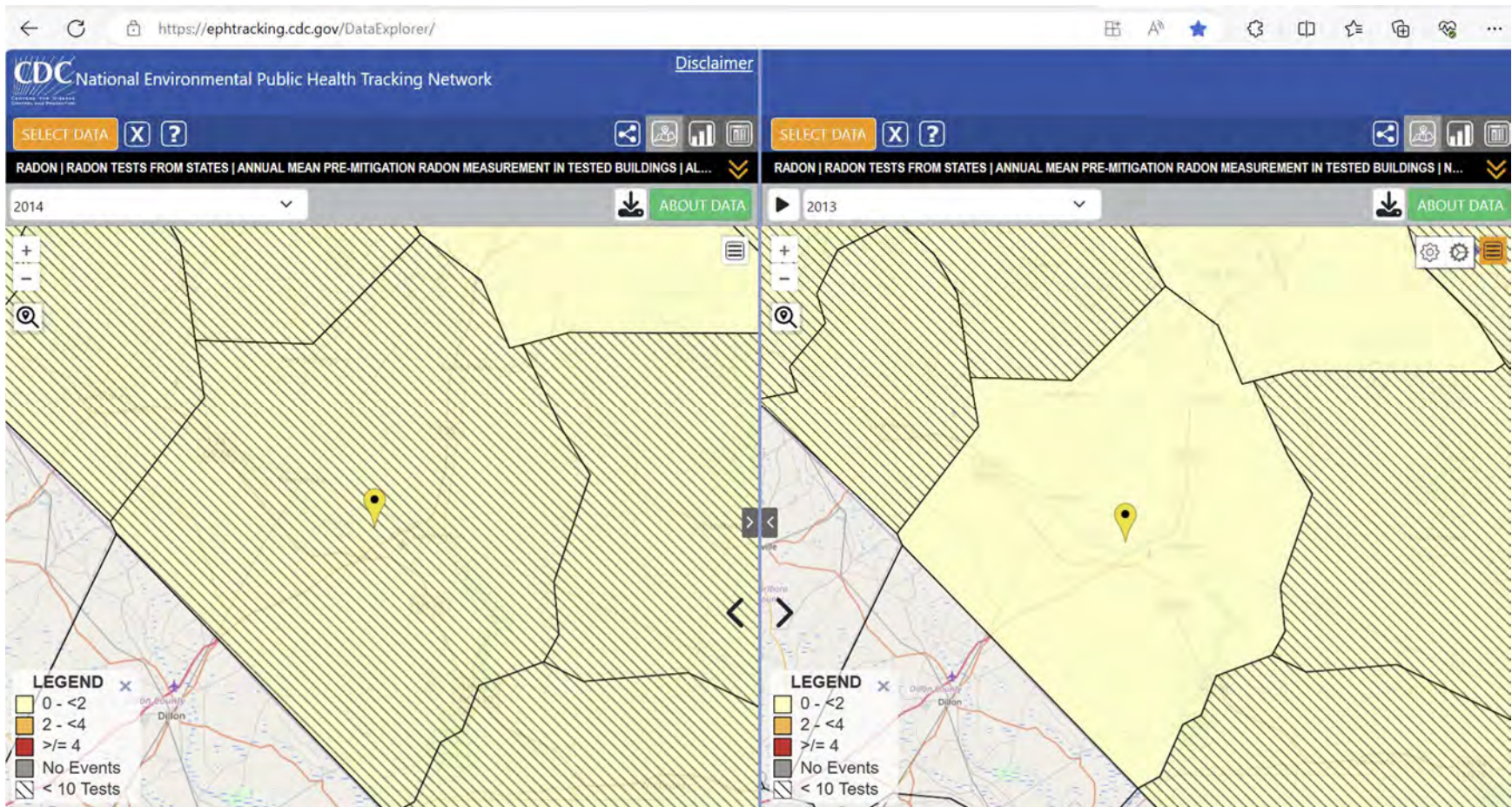
Annual Mean Pre-Mitigation Radon Level Measurements in Tested Buildings



CDC Health Tracking Data Explorer

Robeson County - State Tests – 2014 & 2013

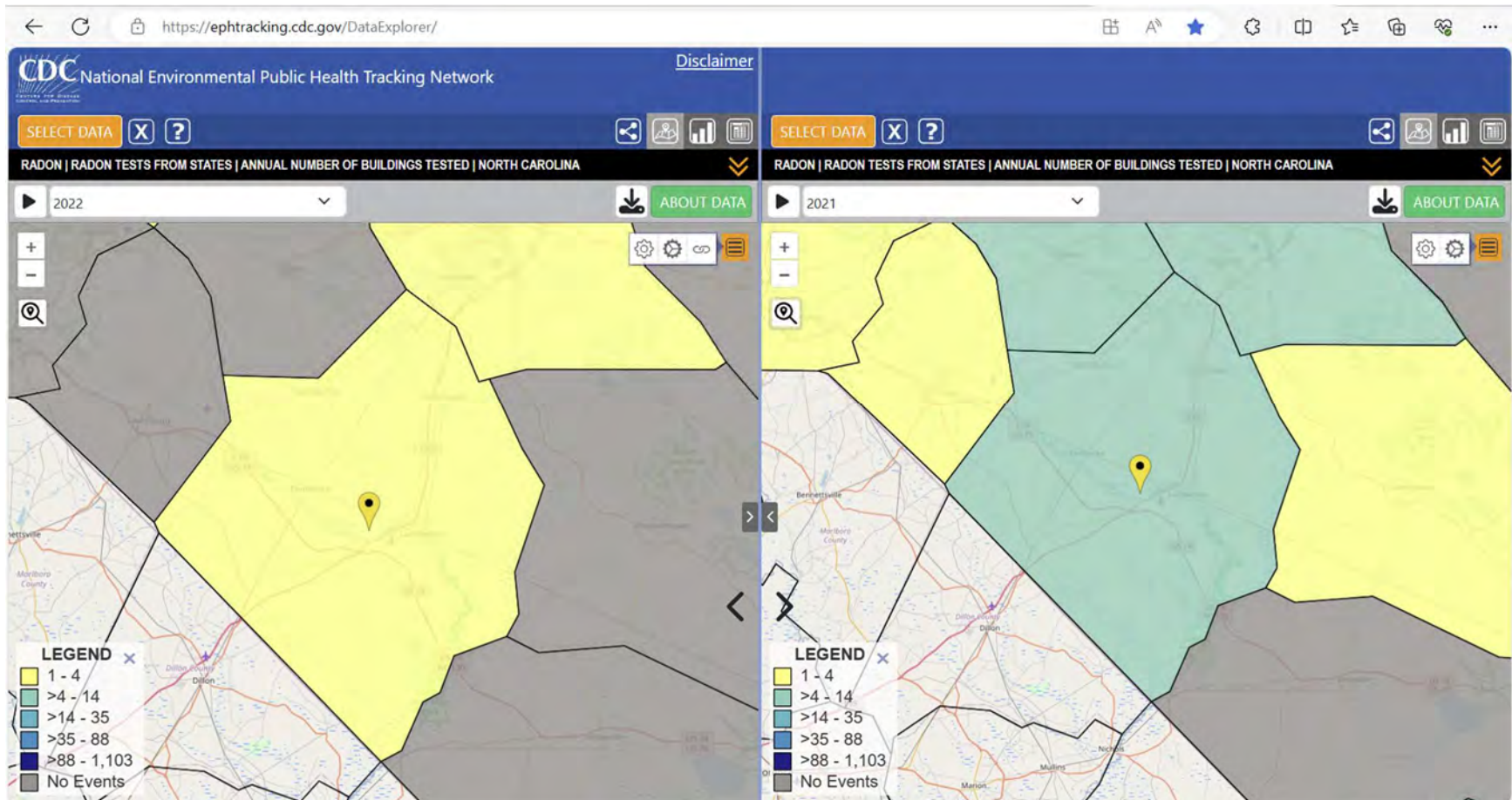
Annual Mean Pre-Mitigation Radon Level Measurements in Tested Buildings



CDC Health Tracking Data Explorer

Robeson County - State Tests – 2022 & 2021

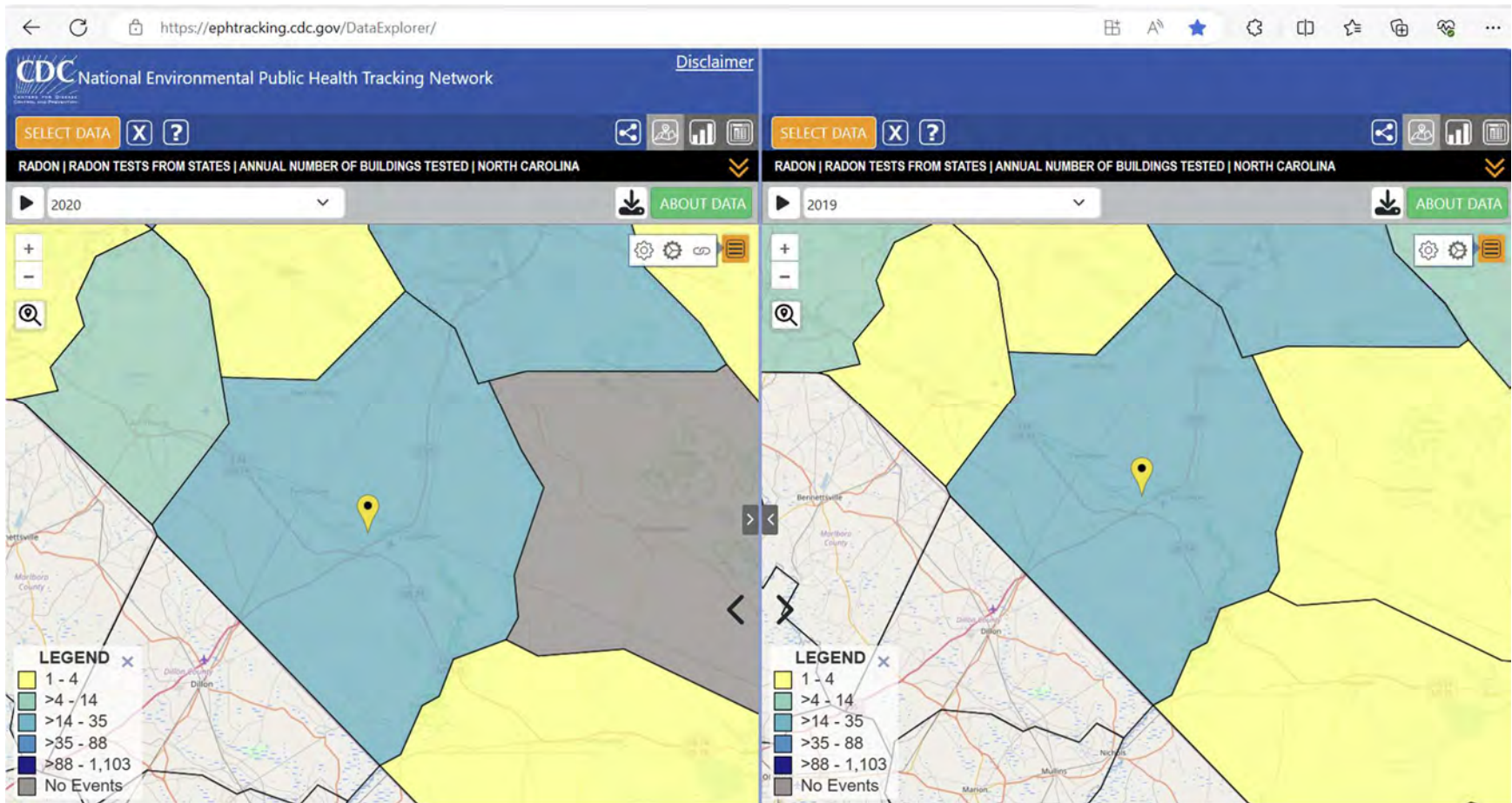
Annual Number of Buildings Tested



CDC Health Tracking Data Explorer

Robeson County - State Tests – 2020 & 2019

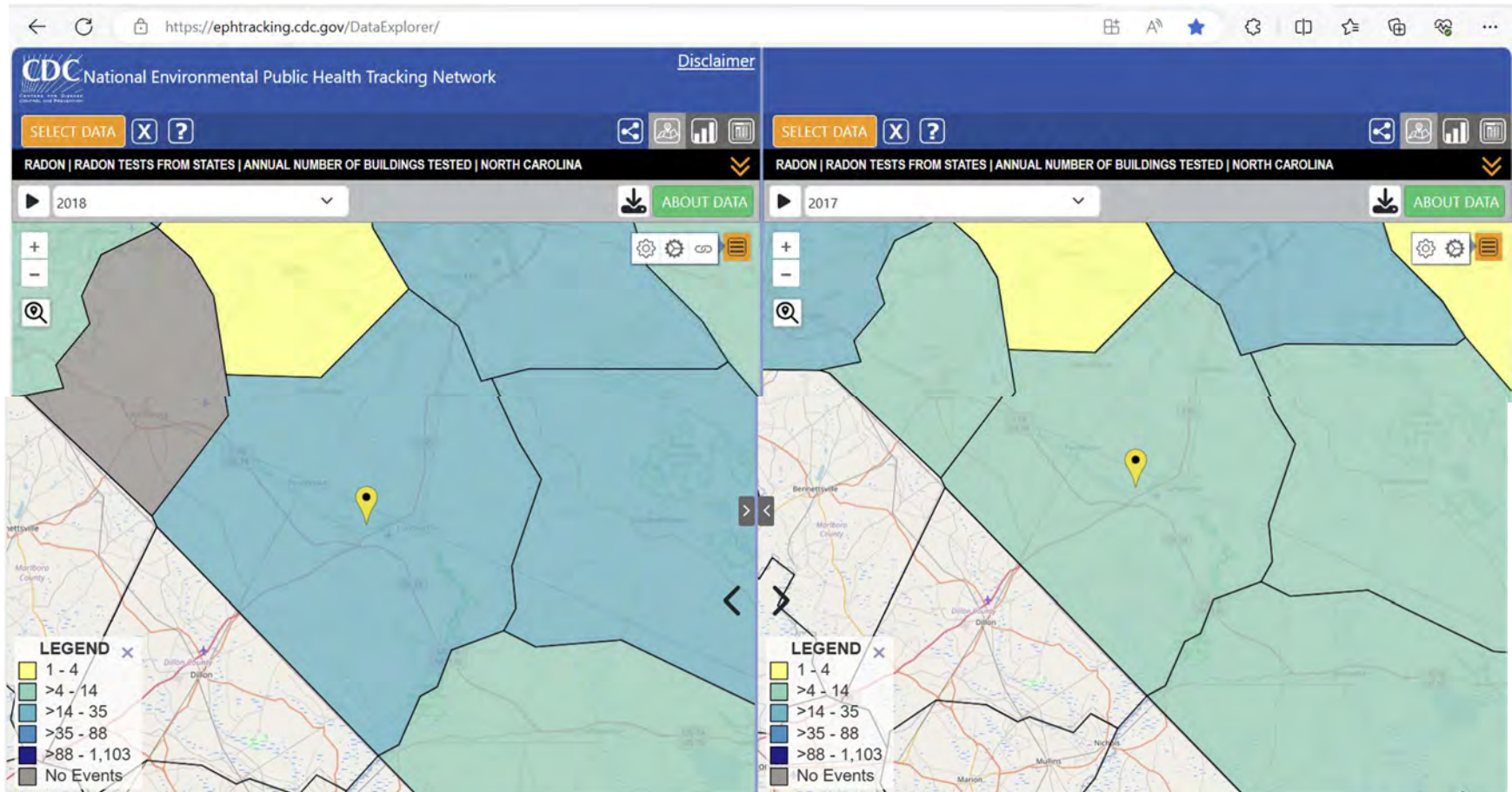
Annual Number of Buildings Tested



CDC Health Tracking Data Explorer

Robeson County - State Tests – 2018 & 2017

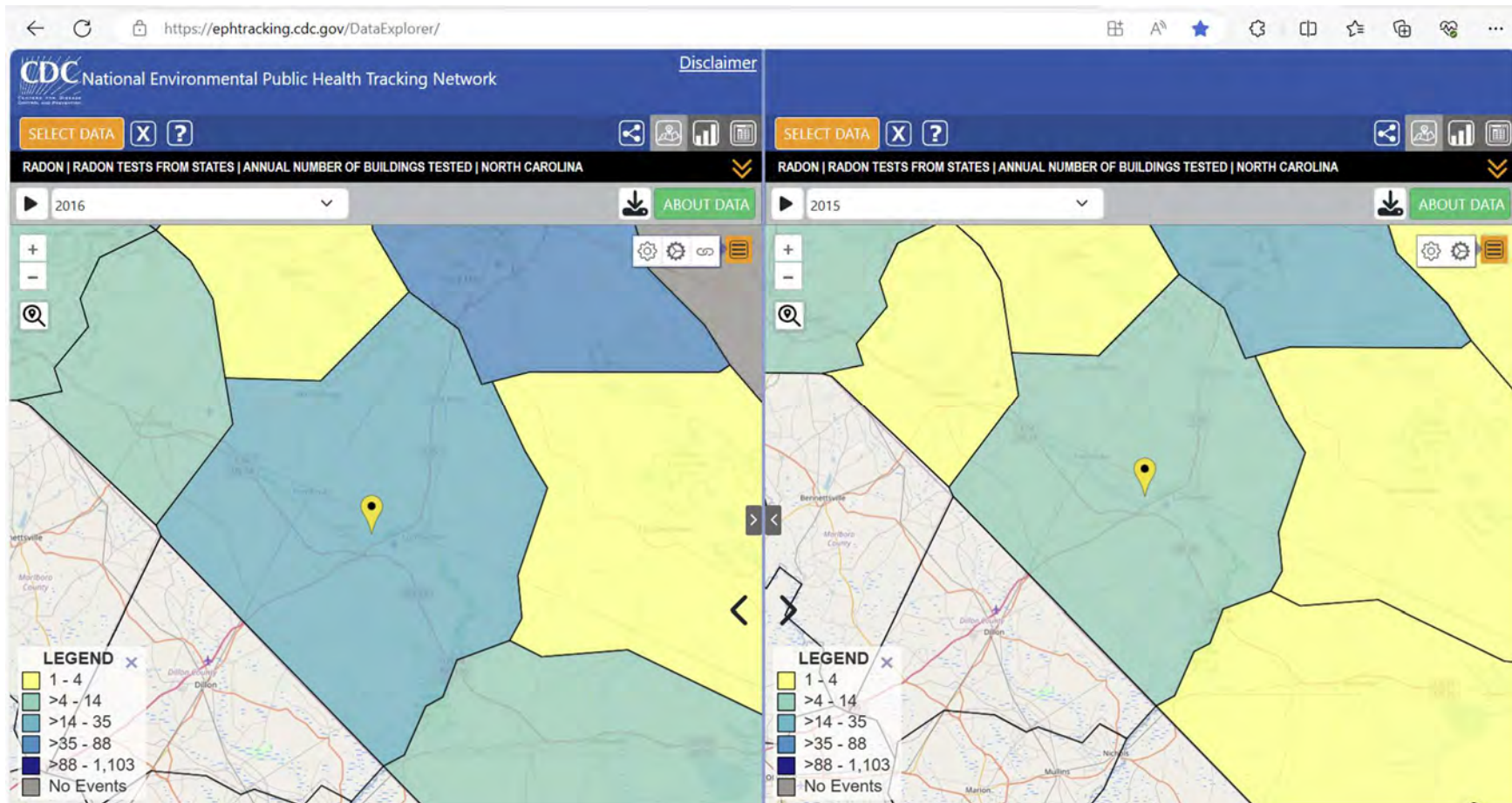
Annual Number of Buildings Tested



CDC Health Tracking Data Explorer

Robeson County - State Tests – 2016 & 2015

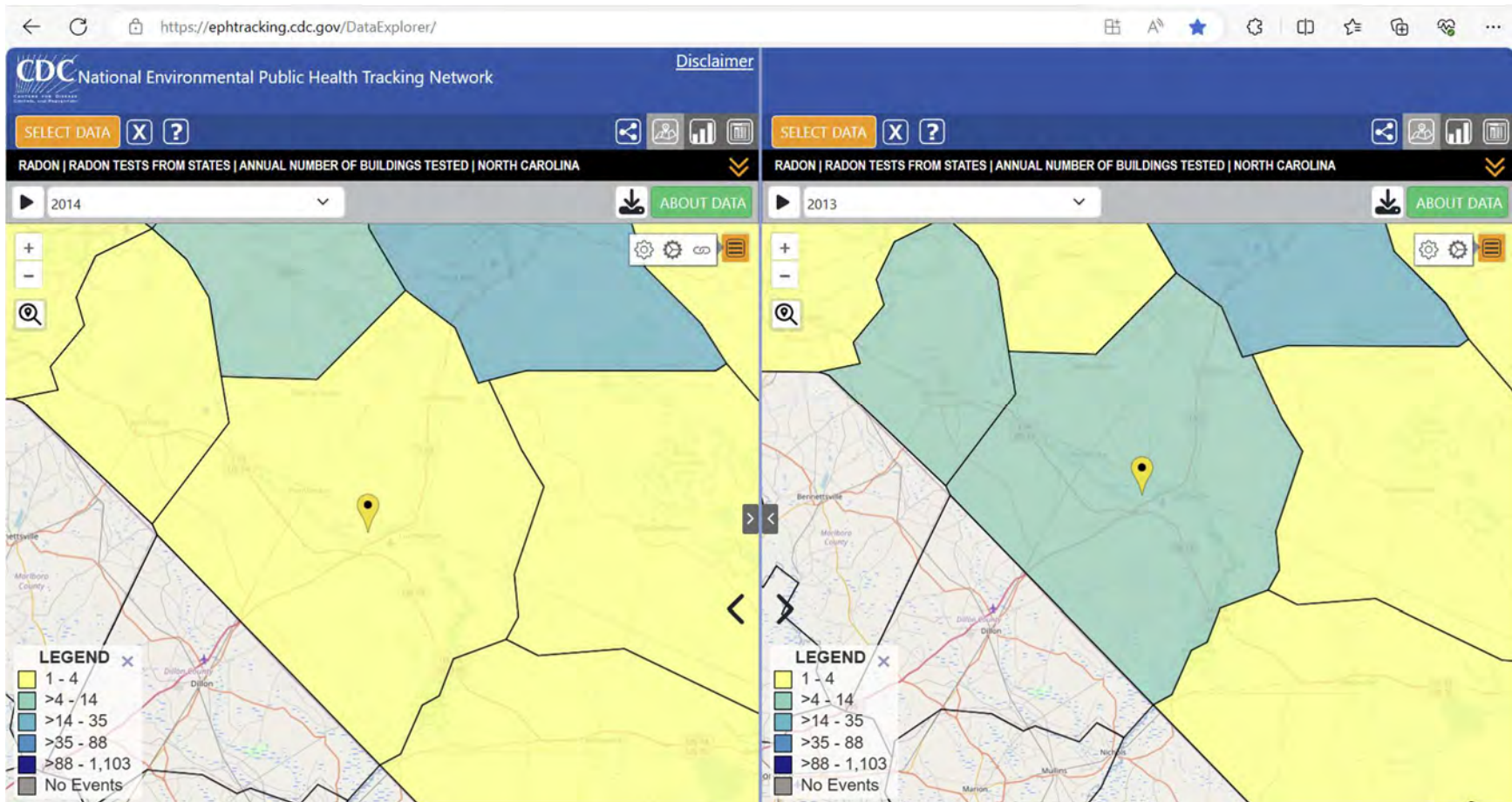
Annual Number of Buildings Tested



CDC Health Tracking Data Explorer

Robeson County - State Tests – 2014 & 2013

Annual Number of Buildings Tested



ATTACHMENT 8:

Endangered Species

USFWS Raleigh FO 10-step Package and USFWS
and NCORR Correspondence

Gievers, Andrea

From: Gievers, Andrea
Sent: Friday, February 16, 2024 12:58 PM
To: Raleigh, FW4
Cc: Mann, Leigh
Subject: Self-Certification - Fairmont WWTP Improvements
Attachments: NCORR USFWS Fairmont WWTP Self Cert pkg 2.16.24.pdf

Hello:

Please find attached the Self-certification Letter and 10-step Project Review Package for the **Town of Fairmont WWTP Improvements** located at 133 Woodrow Road, Orrum, Robeson County, NC 28369. 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. 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, except for a “**not likely to jeopardize species' continued existence**” for the proposed Tricolored Bat, and a “**no Eagle Act permit required**” determination for eagles. The proposed project involves rehabilitation, repairs and improvements to the effluent pump station, mechanical bar screen, blower control panels, elevated walkway, and hydraulic power pack unit. The only ground disturbance will occur at the effluent pump station but is limited to the elevation of the existing wet well and electrical control panel which would add approximately 350 – 400 cy of fill at the wet well and make a smooth transition back to existing grade. There is no tree removal anticipated. 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

February 16, 2024

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
Town of Fairmont WWTP Improvements
133 Woodrow Road
Orrum, Robeson County, NC 28369

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, Town of Fairmont WWTP Improvements located at 133 Woodrow Road, Orrum, Robeson County, NC 28369. 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, the Town of Fairmont was negatively impacted by severe rains and subsequent flooding of critical infrastructure, which hindered the operation of the Fairmont WWTP. The objective is to make the plant more durable and more capable of handling excess waste water during future storm events. The elevation of the primary lift station will ensure that the lift station is not under floodwaters which will disable it; so, it can continue to pump during 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.

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 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, except for a “**not likely to jeopardize species’ continued existence**” for the proposed Tricolored Bat, and a “**no Eagle Act permit required**” determination for eagles. Please find attached the Self-certification Letter and 10-step Project Review Package prepared for the proposed project in accordance with all instructions provided, using the best available information to reach our conclusions.

Robeson County has requested HUD CDBG-MIT funding for improvements to the existing Town of Fairmont WWTP which must remain in operation throughout the duration of the project. The contractor will use bypass pumping, temporary electrical service, and temporary process water pumping systems as necessary to ensure operation is not interrupted. The proposed project includes effluent pump station improvements consisting of removal of the process water pumping system enclosure, drop legs, pumps, pipes, and valves; elevating the wet well, valve vault top slabs, and access approximately two feet; addition of a bypass pump connection on the existing 10-inch effluent force main; relocation of existing pump control and electrical components to an elevated structure; and all necessary associated improvements such as replacement of wiring, pump leads, and pump guide rails; modification or replacement of pump removal system and float controls; and the addition of junction boxes and new connections to the wet well. The proposed project includes either the complete rebuild or removal and replacement of the existing Huber Technology Model SSF3000x726x3 step mechanical bar screen with new equipment and all necessary associated improvements such as control panel component replacement and modifications to electrical components and existing structures. There will also be removal and replacement of three blower control panels each with a new weather hood and enclosures for the existing 125 Hp Lamson model 850 blowers and replacement of the existing bearing temperature sensor and current transformer (CT) in the existing motor control center (MCC). The replacement of the blower control panels will be given priority. There will be elevated access walkway improvements and the existing hydraulic power pack unit for the ram press will be removed and relocated and/or replaced along with all hydraulic hoses and wiring modifications. The top of the wet well will be elevated two feet to 86.97 feet and the top of the valve vault will be elevated to 86.97 feet from the current 84.52 feet. The electrical pad will be replaced and elevated to a top of slab elevation of 86.97 feet. The ground disturbance will be limited to the elevation of the wet well and electrical controls which would add approximately 350 – 400 cubic yards (cy) of fill at the wet well and make a smooth transition back to existing grade. There is no tree removal anticipated. The proposed project would not jeopardize the continued existence of ESA species or destroy or adversely modify their critical habitat.

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. According to the NC NHP database, there is one federally-listed species within one mile of the proposed project area, the threatened (similar appearance) American Alligator (*Alligator mississippiensis*). The Official Species List identified a total of six threatened, endangered or candidate species and no critical habitat within one mile of the proposed project area. These species include the proposed endangered Tricolored Bat (*Perimyotis subflavus*), endangered Red-cockaded Woodpecker (*Picoides borealis*), threatened Wood Stork (*Mycteria americana*), threatened (similar appearance) American Alligator (*Alligator mississippiensis*), endangered Michaux's Sumac (*Rhus michauxii*) and candidate Monarch Butterfly (*Danaus plexippus*). According to the USFWS and NMFS critical habitat mappers, there are no critical habitat in or adjacent to the Subject Property. 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 five migratory birds including the American Kestrel (*Falco sparverius* Paulus), Chimney Swift (*Chaetura pelagica*), Prothonotary Warbler (*Protonotaria citrea*), Red-headed Woodpecker (*Melanerpes erythrocephalus*), and Wood Thrush (*Hylocichla mustelina*). It is anticipated that no trees will be removed and any migratory birds in the area will temporarily leave the area during repairs and construction.

The proposed project entails improvements to the existing Town of Fairmont WWTP. The WWTP is situated within a cleared, regularly mowed, fenced-in area with an access road on the Town-owned parcel (action area). 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 determination and requests *acknowledgement* from USFWS that they have received this determination 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 Ecological Services Field Office
3916 Sunset Ridge Rd
Raleigh, NC 27607-3726
Phone: (919) 856-4520 Fax: (919) 856-4556

In Reply Refer To:
Project Code: 2024-0048568
Project Name: Town of Fairmont WWTP Improvements

February 13, 2024

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 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 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:

<https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.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/program/migratory-bird-permit/what-we-do>.

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/library/collections/threats-birds>.

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/partner/council-conservation-migratory-birds>.

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
- USFWS National Wildlife Refuges and Fish Hatcheries
- Bald & Golden Eagles
- 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

3916 Sunset Ridge Rd

Raleigh, NC 27607-3726

(919) 856-4520

PROJECT SUMMARY

Project Code: 2024-0048568

Project Name: Town of Fairmont WWTP Improvements

Project Type: Wastewater Facility - Maintenance / Modification

Project Description: The proposed project site (Subject Property) is owned by the Town of Fairmont consisting of the approximately 10.24-acre parcel, Parcel ID 12160101703B, located at 133 Woodrow Road, Orrum, Robeson County, NC 28369. The proposed project entails miscellaneous improvements to the existing Town of Fairmont WWTP which must remain in operation throughout the duration of the project. The contractor will use bypass pumping, temporary electrical service, and temporary process water pumping systems as necessary to ensure operation is not interrupted. The proposed project includes effluent pump station improvements consisting of removal of the process water pumping system enclosure, drop legs, pumps, pipes, and valves; elevating the wet well, valve vault top slabs, and access approximately two feet; addition of a bypass pump connection on the existing 10-inch effluent force main; relocation of existing pump control and electrical components to an elevated structure; and all necessary associated improvements such as replacement of wiring, pump leads, and pump guide rails; modification or replacement of pump removal system and float controls; and the addition of junction boxes and new connections to the wet well. The proposed project includes either the complete rebuild or removal and replacement of the existing Huber Technology Model SSF3000x726x3 step mechanical bar screen with new equipment and all necessary associated improvements such as control panel component replacement and modifications to electrical components and existing structures. There will also be removal and replacement of three blower control panels each with a new weather hood and enclosures for the existing 125 Hp Lamson model 850 blowers and replacement of the existing bearing temperature sensor and current transformer (CT) in the existing motor control center (MCC). The replacement of the blower control panels will be given priority. There will be elevated access walkway improvements and the existing hydraulic power pack unit for the ram press will be removed and relocated and/or replaced along with all hydraulic hoses and wiring modifications. The top of the wet well will be elevated two feet to 86.97 feet and the top of the valve vault will be elevated to 86.97 feet from the current 84.52 feet. The electrical pad will be replaced and elevated to a top of slab elevation of 86.97 feet. The ground disturbance will be limited to the elevation of the wet well and electrical controls which would add approximately 350 – 400 cubic yards (cy) of fill at the wet well and make a smooth transition back to existing grade. There is no tree removal anticipated.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@34.44315015,-78.97017525655221,14z>



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.

USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

BALD & GOLDEN EAGLES

Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act¹ and the Migratory Bird Treaty Act².

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats³, should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the ["Supplemental Information on Migratory Birds and Eagles"](#).

-
1. The [Bald and Golden Eagle Protection Act](#) of 1940.
 2. The [Migratory Birds Treaty Act](#) of 1918.
 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

THERE ARE NO BALD AND GOLDEN EAGLES WITHIN THE VICINITY OF YOUR PROJECT AREA.

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 habitats³ should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "[Supplemental Information on Migratory Birds and Eagles](#)".

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)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
American Kestrel <i>Falco sparverius paulus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9587	Breeds Apr 1 to Aug 31
Chimney Swift <i>Chaetura pelagica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9406	Breeds Mar 15 to Aug 25
Prothonotary Warbler <i>Protonotaria citrea</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9439	Breeds Apr 1 to Jul 31
Red-headed Woodpecker <i>Melanerpes erythrocephalus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9398	Breeds May 10 to Sep 10
Wood Thrush <i>Hylocichla mustelina</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9431	Breeds May 10 to Aug 31

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (■)

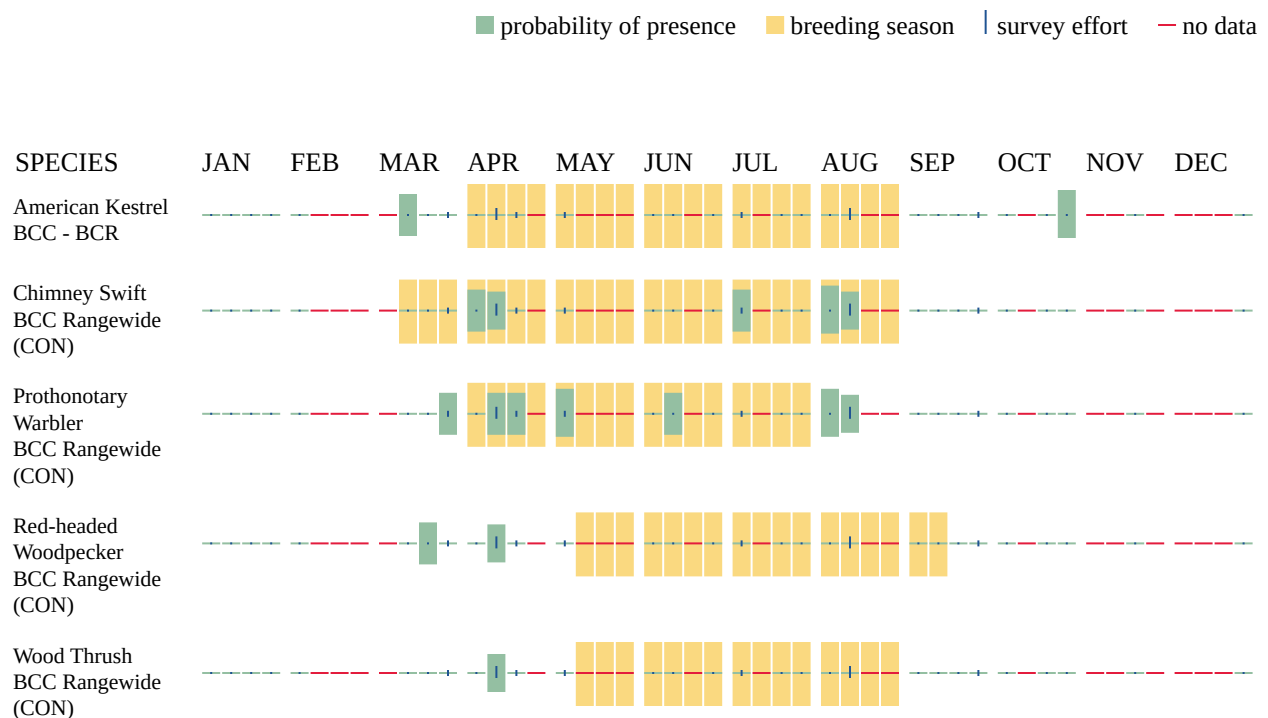
Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (-)

A week is marked as having no data if there were no survey events for that week.



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

IPAC USER CONTACT INFORMATION

Agency: State of North Carolina

Name: Andrea Gievers

Address: P.O. Box 110465

City: Durham

State: NC

Zip: 27709

Email: andrea@arcolaenv.com

Phone: 8456821700



Roy Cooper, Governor

D. Reid Wilson, Secretary

Misty Buchanan
Deputy Director, Natural Heritage Program

NCNHDE-24951

February 13, 2024

Andrea Gievers
NCORR
P.O. Box 110465
Durham, NC 27709
RE: Town of Fairmont WWTP Improvements

Dear Andrea Gievers:

The North Carolina Natural Heritage Program (NCNHP) appreciates the opportunity to provide information about natural heritage resources for the project referenced above.

Based on the project area mapped with your request, a query of the NCNHP database indicates that there are no records for rare species, important natural communities, natural areas, and/or conservation/managed areas within the proposed project boundary. Please note that although there may be no documentation of natural heritage elements within the project boundary, it does not imply or confirm their absence; the area may not have been surveyed. The results of this query should not be substituted for field surveys where suitable habitat exists. In the event that rare species are found within the project area, please contact the NCNHP so that we may update our records.

The attached 'Potential Occurrences' table summarizes rare species and natural communities that have been documented within a one-mile radius of the property boundary. The proximity of these records suggests that these natural heritage elements may potentially be present in the project area if suitable habitat exists. Tables of natural areas and conservation/managed areas within a one-mile radius of the project area, if any, are also included in this report.

If a Federally-listed species is found within the project area or is indicated within a one-mile radius of the project area, the NCNHP recommends contacting the US Fish and Wildlife Service (USFWS) for guidance. Contact information for USFWS offices in North Carolina is found here: <https://www.fws.gov/offices/Directories/ListOffices.cfm?statecode=37>.

Please note that natural heritage element data are maintained for the purposes of conservation planning, project review, and scientific research, and are not intended for use as the primary criteria for regulatory decisions. Information provided by the NCNHP database may not be published without prior written notification to the NCNHP, and the NCNHP must be credited as an information source in these publications. Maps of NCNHP data may not be redistributed without permission.

The NC Natural Heritage Program may follow this letter with additional correspondence if a Dedicated Nature Preserve, Registered Heritage Area, Land and Water Fund easement, or Federally-listed species are documented near the project area.

If you have questions regarding the information provided in this letter or need additional assistance, please contact the NCNHP at natural.heritage@dncr.nc.gov.

Sincerely,
NC Natural Heritage Program

Natural Heritage Element Occurrences, Natural Areas, and Managed Areas Within a One-mile Radius of the Project Area
Town of Fairmont WWTP Improvements
February 13, 2024
NCNHDE-24951

Element Occurrences Documented Within a One-mile Radius of the Project Area

Taxonomic Group	EO ID	Scientific Name	Common Name	Last Observation Date	Element Occurrence Rank	Accuracy	Federal Status	State Status	Global Rank	State Rank
Crustacean	41952	<i>Procambarus pearsei</i>	Sandhills Crayfish	1996-07-16	H?	2-High	---	Threatened	G4	S1
Dragonfly or Damselfly	33739	<i>Somatochlora georgiana</i>	Coppery Emerald	2004-Pre	H?	5-Very Low	---	Significantly Rare	G3G4	S1?
Dragonfly or Damselfly	33769	<i>Somatochlora georgiana</i>	Coppery Emerald	2004-Pre	H?	5-Very Low	---	Significantly Rare	G3G4	S1?
Dragonfly or Damselfly	33789	<i>Triacanthagyna trifida</i>	Phantom Darner	2004-Pre	H?	5-Very Low	---	Significantly Rare	G5	SH
Freshwater Fish	31780	<i>Enneacanthus chaetodon</i>	Blackbanded Sunfish	1996-07-17	H?	3-Medium	---	Significantly Rare	G3G4	S3
Freshwater Fish	36949	<i>Notropis chalybaeus</i>	Ironcolor Shiner	2017-05-08	E	3-Medium	---	Threatened	G4	S2S3
Freshwater Fish	783	<i>Noturus sp. 2</i>	Broadtail Madtom	2009-08-13	E	3-Medium	---	Special Concern	G2	S1
Mammal	33870	<i>Corynorhinus rafinesquii macrotis</i>	Eastern Big-eared Bat	2000-05-24	H?	2-High	---	Special Concern	G3G4T3	S3
Natural Community	9688	Blackwater Bottomland Hardwoods (High Subtype)	---	2017-09-14	A	4-Low	---	---	G3G4	S2S3
Natural Community	14098	Blackwater Bottomland Hardwoods (High Subtype)	---	2008	B	3-Medium	---	---	G3G4	S2S3
Natural Community	30965	Blackwater Bottomland Hardwoods (Low Subtype)	---	2010	A	4-Low	---	---	G4?	S3
Natural Community	11066	Cypress--Gum Swamp (Blackwater Subtype)	---	2017-09-14	A	4-Low	---	---	G4?	S4
Natural Community	469	Cypress--Gum Swamp (Blackwater Subtype)	---	2008	B	3-Medium	---	---	G4?	S4

Element Occurrences Documented Within a One-mile Radius of the Project Area

Taxonomic Group	EO ID	Scientific Name	Common Name	Last Observation Date	Element Occurrence Rank	Accuracy	Federal Status	State Status	Global Rank	State Rank
Reptile	4584	Alligator mississippiensis	American Alligator	2021-04-19	E	4-Low	Threatened Similar Appearance	Threatened	G5	S3
Stonefly	42462	Hydroperla phormidia	Brownwater Springfly	2003-05-02	E	2-High	---	Significantly Rare	G3	S2
Vascular Plant	23462	Acmella repens	Creeping Spotflower	2005-11-11	E	3-Medium	---	Significantly Rare Disjunct	G5T5	S1
Vascular Plant	23212	Ditrysinia fruticosa	Sebastian-bush	2008-05-31	E	2-High	---	Significantly Rare Peripheral	G5	S2
Vascular Plant	33664	Phanopyrum gymnocarpon	Swamp Panic Grass	2008-05-31	E	2-High	---	Significantly Rare Other	G5	S2

Natural Areas Documented Within a One-mile Radius of the Project Area

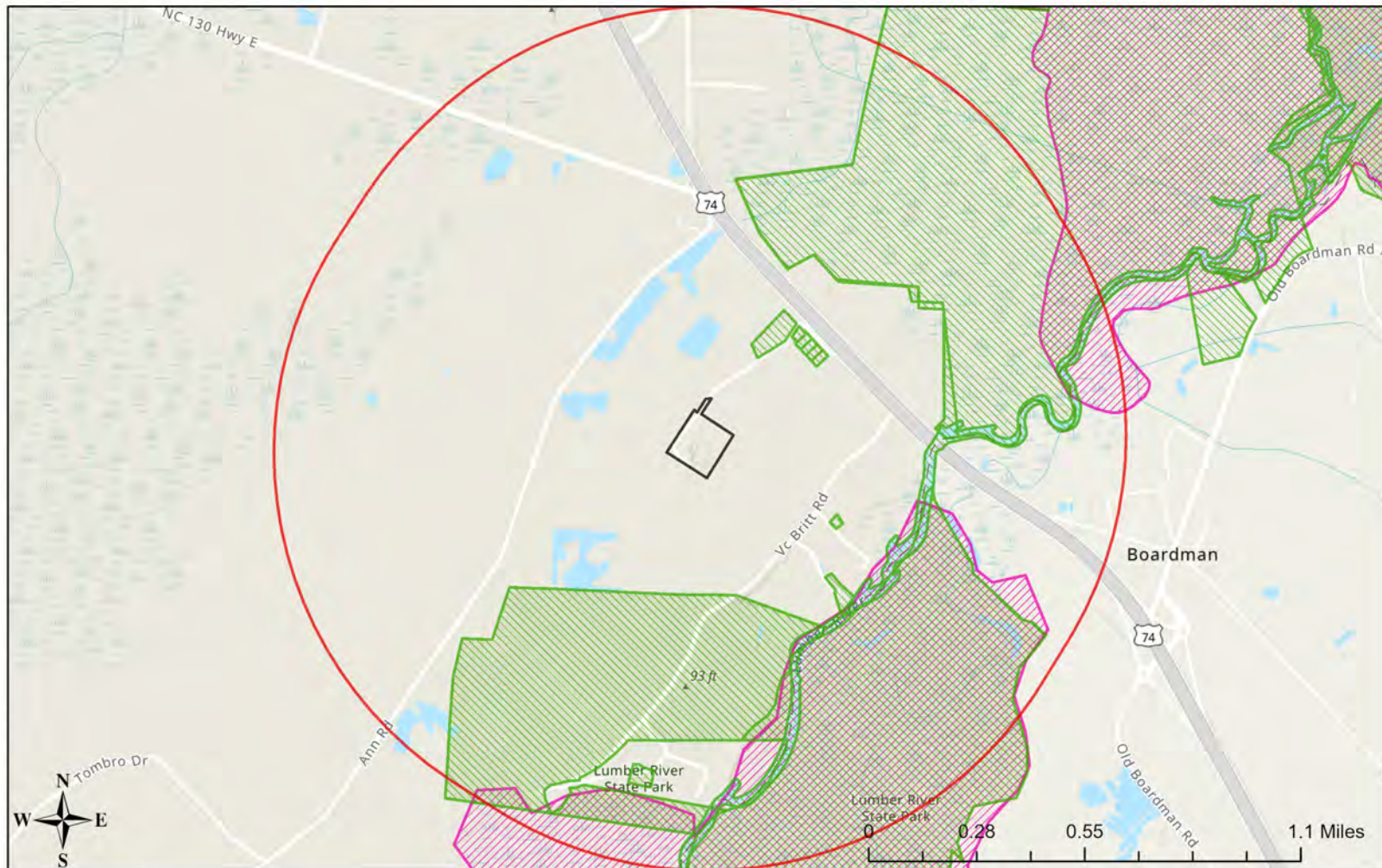
Site Name	Representational Rating	Collective Rating
Net Hole/Buck Landing Swamp	R1 (Exceptional)	C3 (High)
Bluff Swamp/Princess Ann Swamp	R2 (Very High)	C2 (Very High)

Managed Areas Documented Within a One-mile Radius of the Project Area





Managed Area Name	Owner	Owner Type
Lumber River State Park	NC DNCR, Division of Parks and Recreation	State
Town of Fairmont Open Space	Town of Fairmont	Local Government
Lumber National Wild and Scenic River	US National Park Service	Federal
Lumber State Natural and Scenic River	NC DNCR, Division of Parks and Recreation	State
NC Department of Transportation Mitigation Site	NC Department of Transportation	State
NC Hazard Mitigation Buyout Property - Robeson County	NC DPS, Division of Emergency Management	State
NC Hazard Mitigation Buyout Property - Robeson County	NC DPS, Division of Emergency Management	State
NC Hazard Mitigation Buyout Property - Robeson County	NC DPS, Division of Emergency Management	State
NC Hazard Mitigation Buyout Property - Robeson County	NC DPS, Division of Emergency Management	State
NC Hazard Mitigation Buyout Property - Robeson County	NC DPS, Division of Emergency Management	State
Lumber River State Park Dedicated Nature Preserve	NC DNCR, Natural Heritage Program	State

Definitions and an explanation of status designations and codes can be found at <https://ncnhde.natureserve.org/help>. Data query generated on February 13, 2024; source: NCNHP, Winter (January) 2024. Please resubmit your information request if more than one year elapses before project initiation as new information is continually added to the NCNHP database.

NCNHDE-24951: Town of Fairmont WWTP Improvements

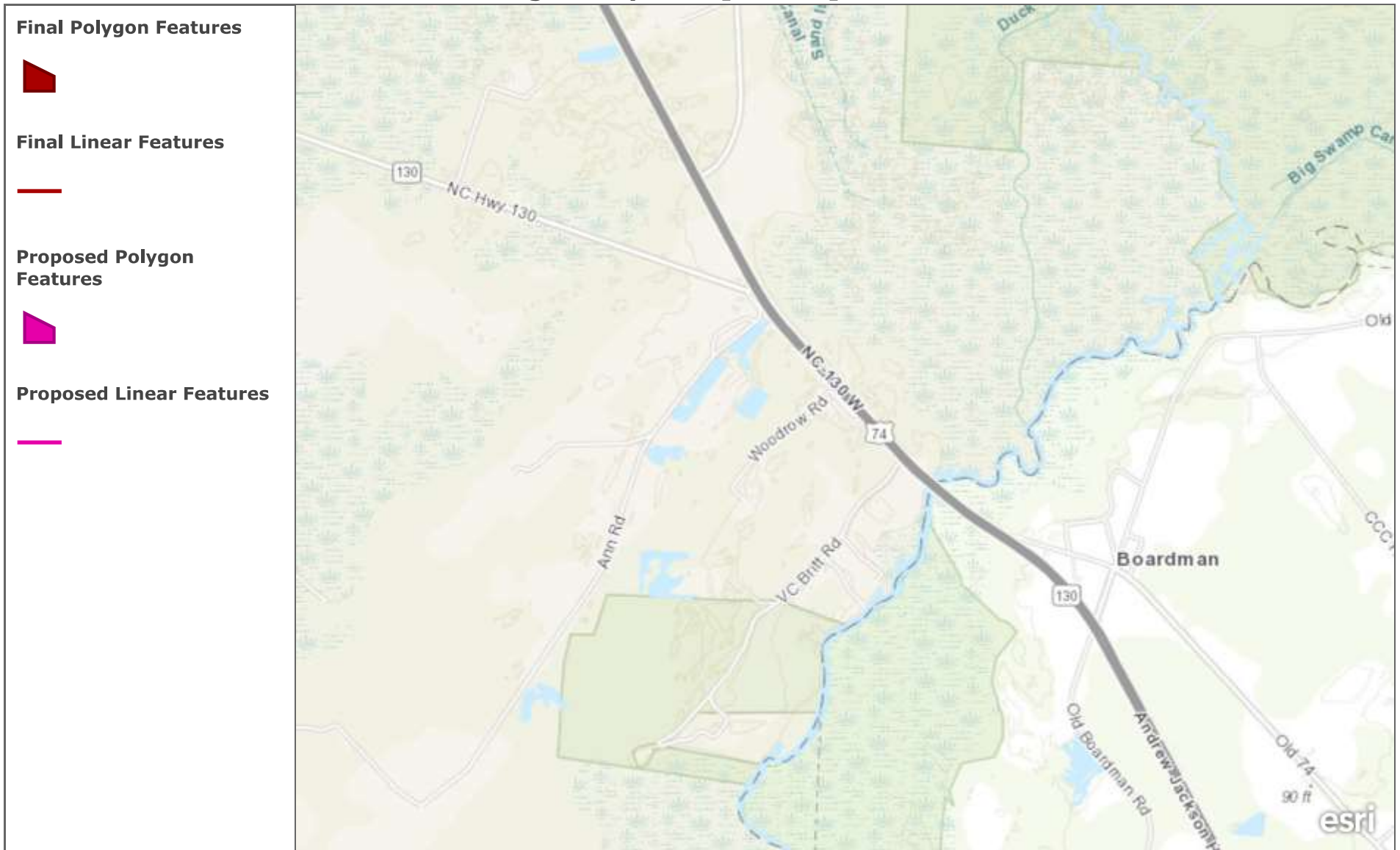


February 13, 2024

-  NHP Natural Area (NHNA)
-  Managed Area (MAREA)
-  Buffered Project Boundary
-  Project Boundary

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

Critical Habitat for Threatened & Endangered Species [USFWS]



A specific geographic area(s) that contains features essential for the conservation of a threatened or endangered species and that may require special management and protection.

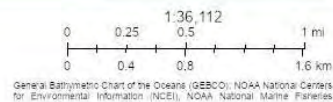


Critical Habitat Report - Fairmont WWTP

Area of Interest (AOI) Information

Area : 9.58 km²

Feb 13 2024 12:22:15 Eastern Standard Time



Summary

Name	Count	Area(km ²)	Length(m)
All Critical Habitat Polyline	0	N/A	0
All Critical Habitat Polygon	0	0	N/A

Species Conclusions Table

Project Name: Town of Fairmont WWTP Improvements

Date: 2/13/24

Species / Resource Name	Conclusion	ESA Section 7 / Eagle Act Determination	Notes / Documentation
Tricolored Bat	Suitable habitat present	Not likely to jeopardize species' continued existence	No tree clearing
Wood Stork	No suitable habitat present in action area	No Effect	No tree clearing. Rehab to existing WWTP facility.
American Alligator	No suitable habitat present in action area	No Effect	Rehab to existing WWTP facility.
Red-cockaded Woodpecker	No suitable habitat present in action area	No Effect	No tree clearing. Rehab to existing WWTP facility.
Monarch Butterfly	No suitable habitat present in action area	No Effect	Rehab to existing WWTP facility. Regularly mowed.
Michaux's Sumac	No suitable habitat present in action area	No Effect	Rehab to existing WWTP facility. Regularly mowed.
Bald Eagle	Unlikely to disturb nesting bald eagles	No Eagle Act Permit Required	No tree clearing. Rehab to existing WWTP facility.

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 Sivers

Signature /Title

2/13/24

Date



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 _____

IPaC Project Code: _____ IPaC Record Locator # _____

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
- “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.

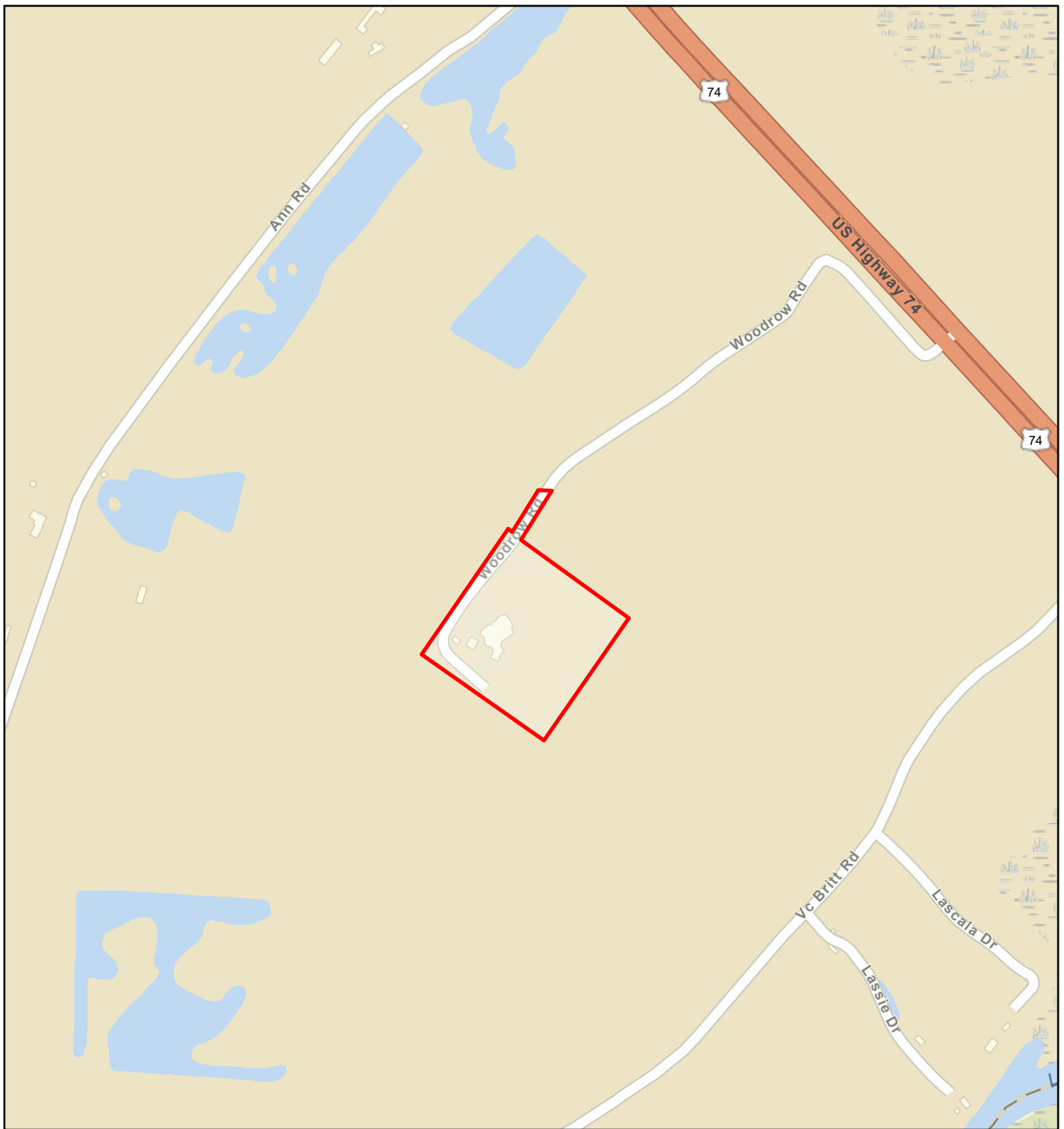
Sincerely,

/s/Pete Benjamin

Pete Benjamin
Field Supervisor
Raleigh Ecological Services

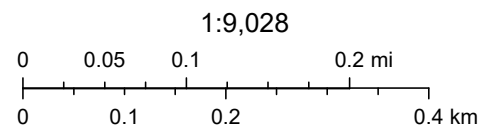
Enclosures - project review package

Town of Fairmont WWTP Improvements - Street Map



February 13, 2024

 Fairmont WWTP



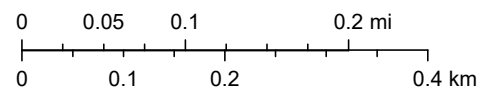
Town of Fairmont WWTP Improvements - Aerial Map



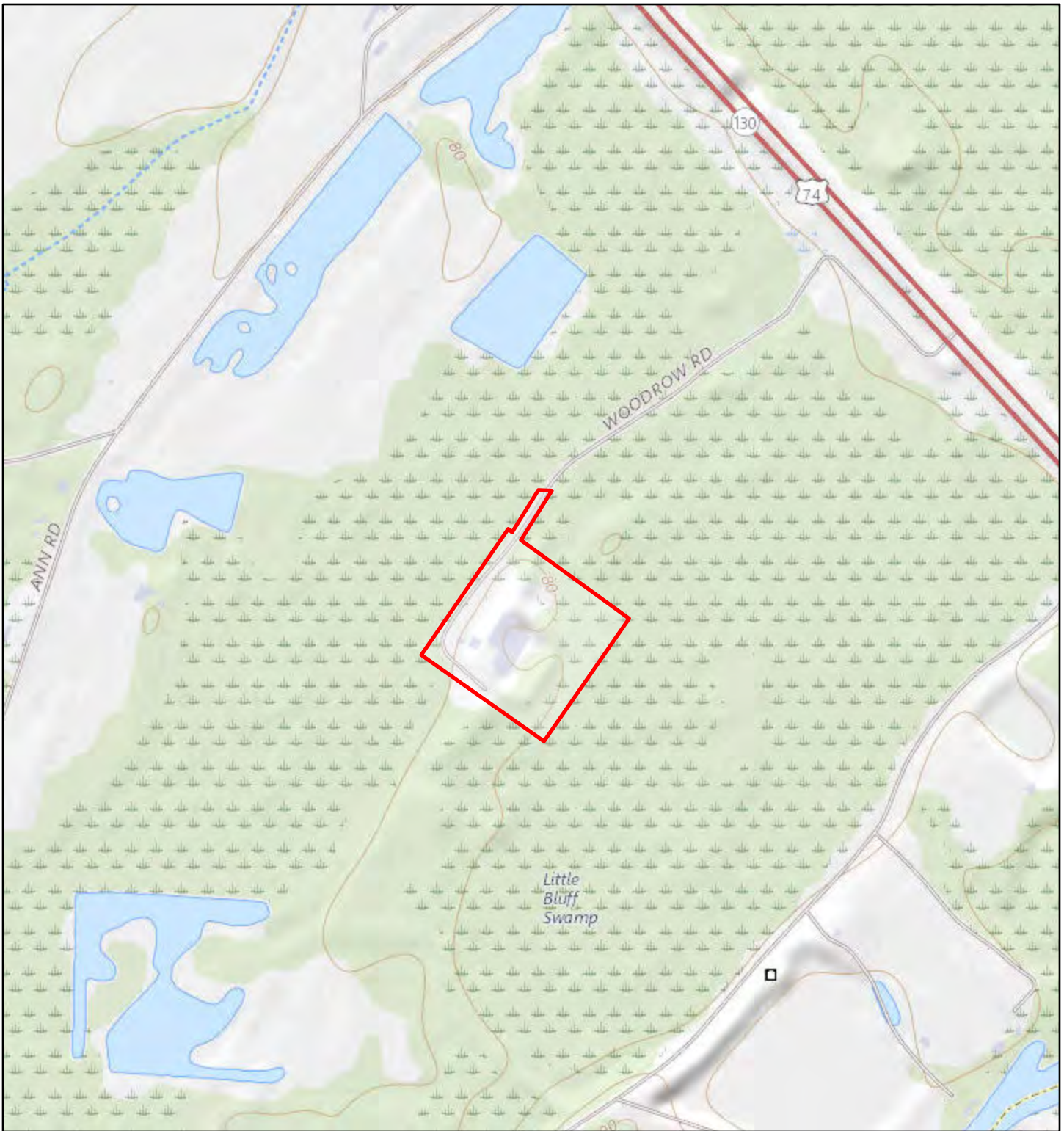
February 13, 2024

 Fairmont WWTP


1:9,028



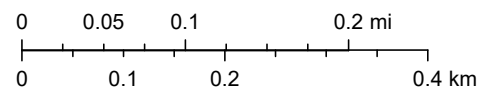
Town of Fairmont WWTP Improvements - Topo Map



February 13, 2024

 Fairmont WWTP

1:9,028

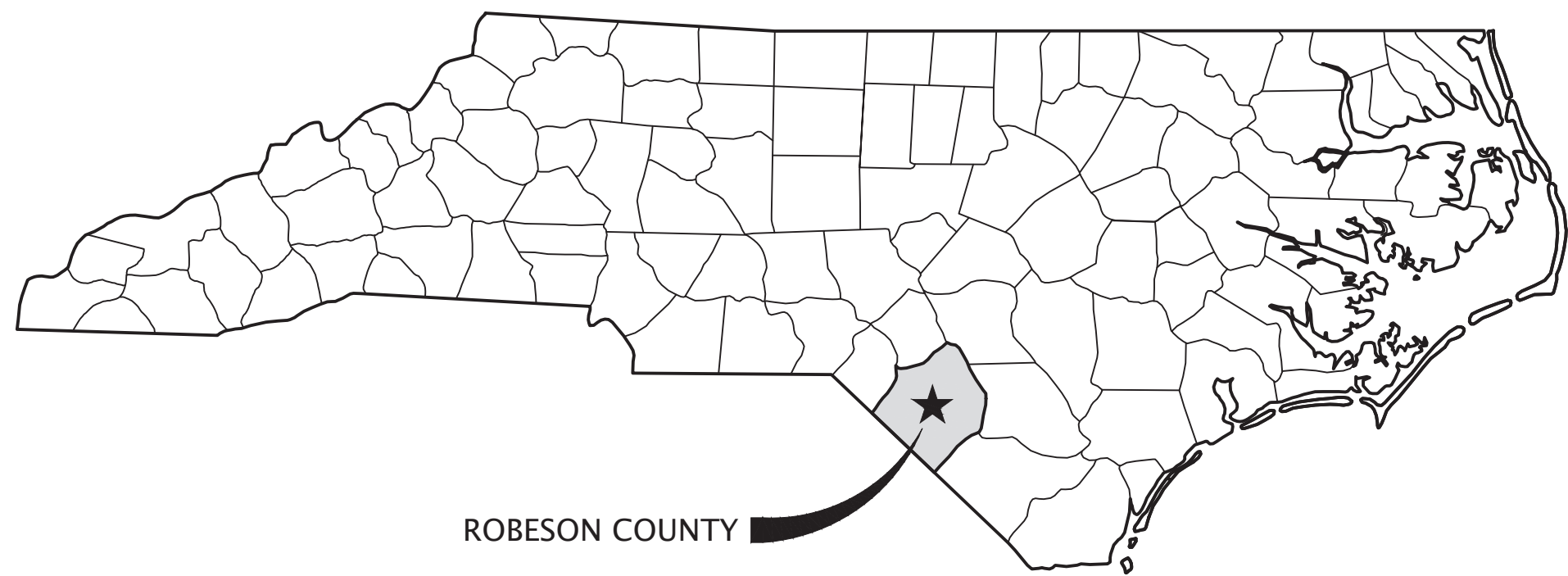


USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S.

WASTEWATER TREATMENT PLANT IMPROVEMENTS - TOWN OF FAIRMONT

FOR ROBESON COUNTY

ROBESON COUNTY, NORTH CAROLINA



ROBESON COUNTY

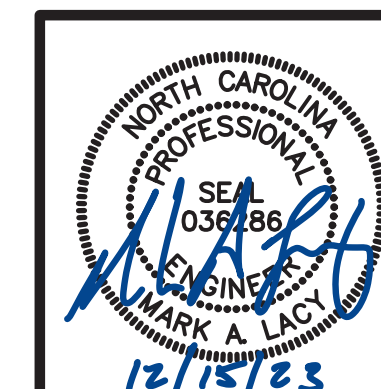
COUNTY LOCATION MAP

NTS

BOARD OF COMMISSIONERS

CHAIRMAN	-	TOM TAYLOR
VICE CHAIRMAN	-	JOHN CUMMINGS
COMMISSIONER	-	WIXIE STEPHENS
COMMISSIONER	-	PAULINE CAMPBELL
COMMISSIONER	-	FALINE LOCKLEAR DIAL
COMMISSIONER	-	JUDY SAMPSON
COMMISSIONER	-	DAVID EDGE
COMMISSIONER	-	LANCE HERNDON
COUNTY MANAGER	-	KELLIE BLUE
FAIRMONT UTILITIES DIRECTOR	-	RONNIE SEALS

PRELIMINARY - DO NOT USE FOR CONSTRUCTION



LKC

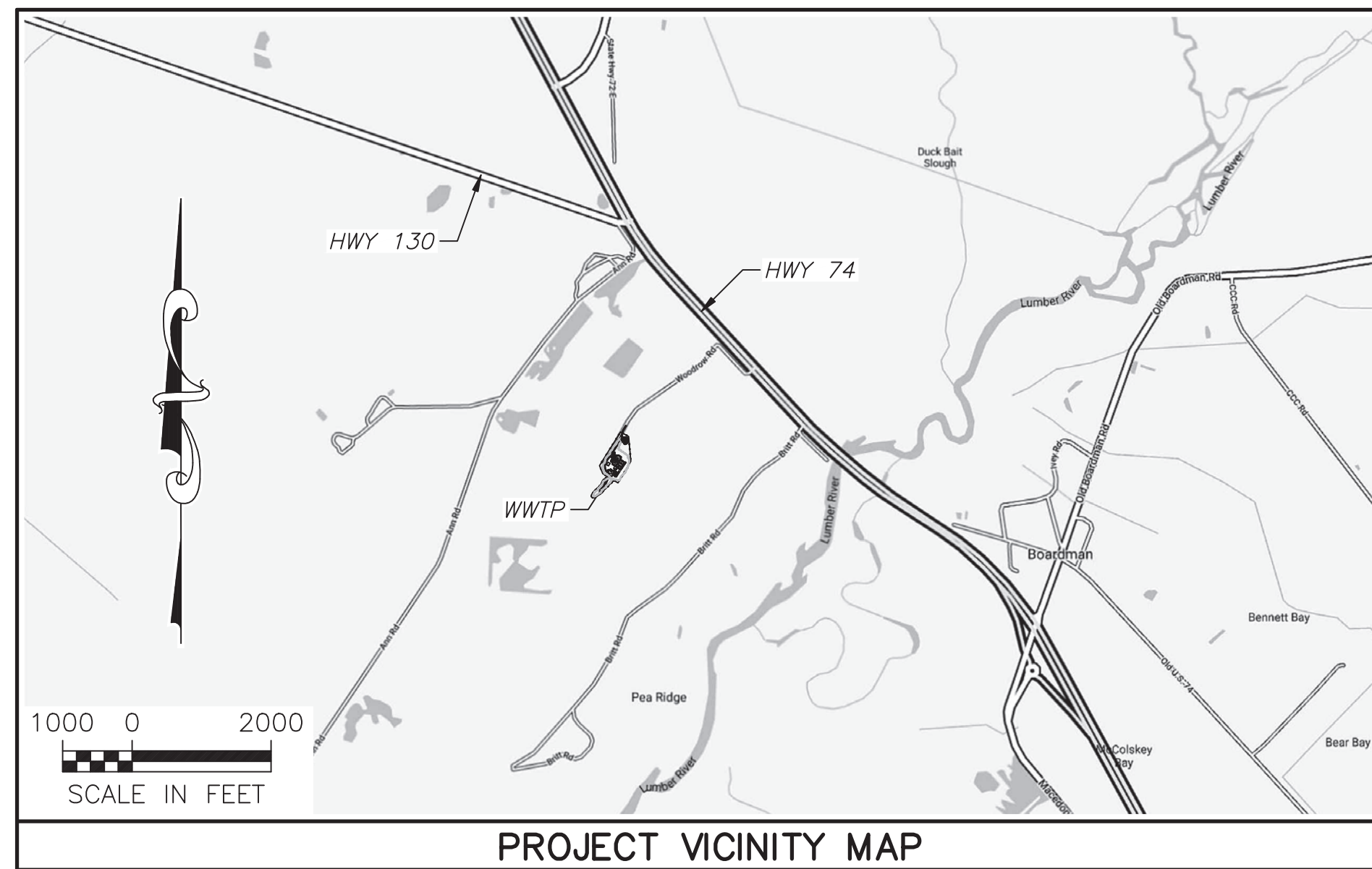
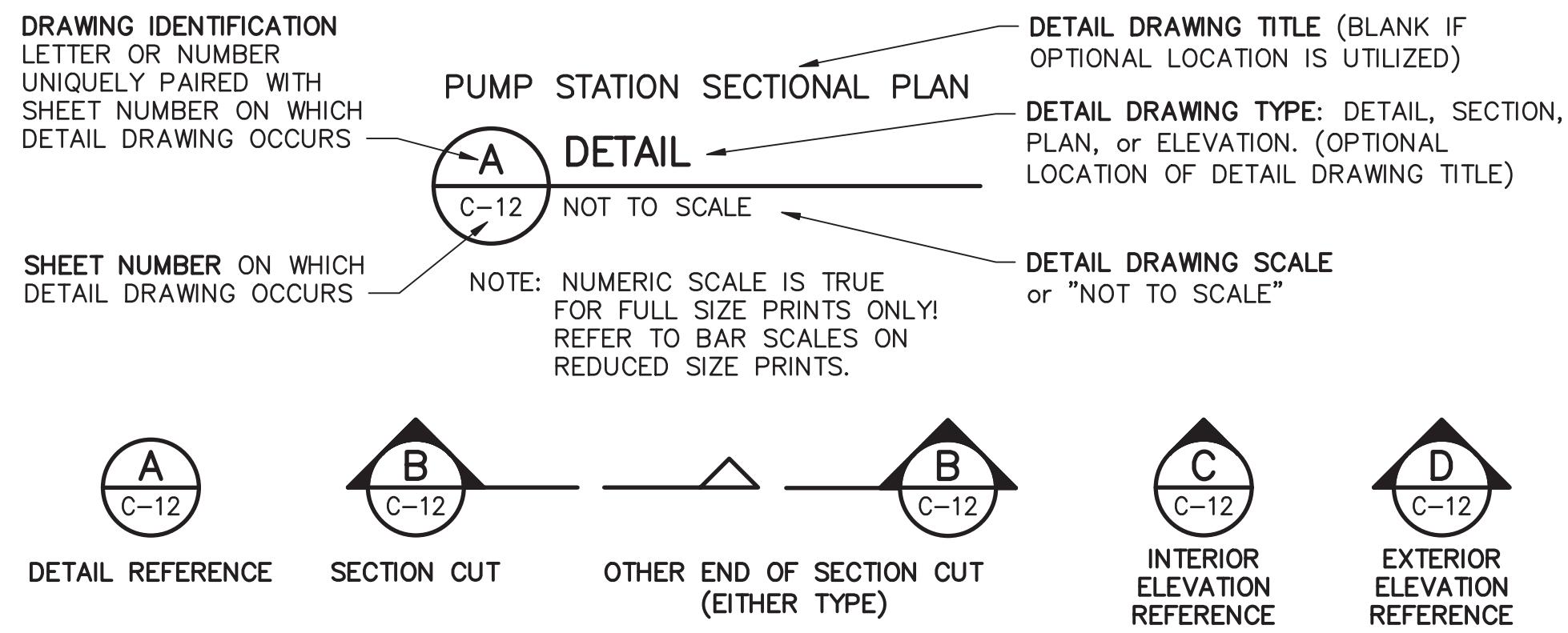
Engineering
Landscape Architecture
Surveying

LKC Engineering, PLLC
140 Aqua Shed Court
Aberdeen, NC 28315
O: 910.420.1437
F: 910.637.0096
lkceengineering.com
License No. P-1095

LEGEND

	EXISTING CHAINLINK FENCE		NEW WATER MAIN
	EXISTING R/W OR PROPERTY BOUNDARY		NEW COMBINATION AIR/VAC RELEASE VALVE
	NEW UTILITY EASEMENT		NEW GATE VALVE
	NEW SANITARY SEWER AND MANHOLE		NEW FIRE HYDRANT ASSEMBLY
	NEW UTILITY EASEMENT		NEW PLUG
	NEW TEMPORARY UTILITY EASEMENT		NEW TEE
	EXISTING FORCE MAIN		NEW 90° BEND
	EXISTING SEWER CLEANOUT		NEW 45° BEND
	EXISTING SANITARY SEWER AND MANHOLE		
	EXISTING WOODS LINE		
	NEW LIMIT OF CLEARING		
	EXISTING BUILDING		
	EXISTING ASPHALT ROAD/DRIVE		
	EXISTING GRAVEL DRIVE		
	TEMPORARY CONSTRUCTION ENTRANCE		
	EXISTING RIPRAP		
	EXISTING DRAINAGE CULVERT		
	EXISTING WATER MAIN		
	EXISTING NATURAL GAS PIPELINE		
	EXISTING DITCH/STREAM FLOWLINE		
	EXISTING FIRE HYDRANT		
	EXISTING WATER VALVE		
	EXISTING WATER METER		
	EXISTING LIGHT POLE		
	EXISTING POWER POLE		
	EXISTING TELEPHONE POLE		
	EXISTING GUYWIRE		
	EXISTING TELEPHONE PEDESTAL		
	EXISTING IRON PIN		
	EXISTING RIGHT-OF-WAY MONUMENT		
	SURVEY TRAVERSE NAIL		
	EXISTING BORE LOCATION		
	EXISTING FIBER-OPTIC MARKER		
	EXISTING UNDERGROUND FIBER OPTIC CABLE		
	SILT FENCE AND OUTLET		
	TEMPORARY DIVERSION SWALE		
	ENKA MAT SLOPE/SWALE PROTECTION		

DRAWING REFERENCE SYMBOL LEGEND



Sheet List Table

Sheet Number	Sheet Title
General	
G.1	Cover
G.2	Sheet Index
Civil	
C.1	Overall Site Plan
C.2	Existing Pump Station Site And Proposed Grading Plan (Bid Alternate #1)
C.3	Existing Pump Station Plans (Bid Alternate #1)
C.4	Proposed Pump Station Plans (Bid Alternate #1)
C.5	Pump Station Profiles (Bid Alternate #1)
C.6	Existing Headworks And Blowers Site Plan
C.7	Existing Bar Screen Plan And Profile
C.8	Proposed Headworks Modifications

ABBREVIATIONS, ACRONYMS, AND SYMBOLS

&	AND	CFM	CUBIC FEET PER MINUTE	F.F.E.	FINISH FLOOR ELEVATION	LAB	LABORATORY	PSI	POUNDS PER SQUARE INCH	STD	STANDARD
@	AT	CHAM.	CHAMFER	FAB.	FABRIC, FABRICATION	LB./LBS.	POUND/POUNDS	PVC	POLYVINYL CHLORIDE	STL.	STEEL
<	LESS THAN	CHAN.	CHANNEL	FIG.	FIGURE	MAS.	MASONRY	QTY.	QUANTITY	STRUCT.	STRUCTURAL
<=	LESS THAN OR EQUAL TO	CHEM.	CHEMICAL	FL	FLOWLINE	MATL	MATERIAL	R	RADIUS	SUPT.	SUPPORT
=	EQUAL(S)	CLR.	CLEAR	FLEX.	FLEXIBLE	MAX.	MAXIMUM	RAS	RETURN ACTIVATED SLUDGE	SW	SOUTHWEST
>	GREATER THAN	CO.	COMPANY	FLG	FLANGE	MCJ	MASONRY CONTROL JOINT	RCP	REINFORCED CONCRETE PIPE	T/	TOP OF
±	PLUS OR MINUS, APPROXIMATELY	COL.	COLUMN	FM	FORCE MAIN	MECH.	MECHANICAL	REBAR	CONCRETE REINFORCING BAR	TCJ	TEMPORARY CONSTRUCTION JOINT
°	DEGREE	CONC.	CONCRETE	FRP	FIBERGLASS REINFORCED PLASTIC	MFR	MANUFACTURER	RED.	REDUC(ER)(ING)	TEMP.	TEMPORARY
A.B.	ANCHOR BOLT	COND.	CONDUIT	FT.	FOOT, FEET	MH	MANHOLE	REF.	REFERENCE	THK.	THICKNESS
A.F.F.	ABOVE FINISHED FLOOR	CONSTR.	CONSTRUCTION	FTG.	FOOTING	MIL	ONE THOUSANDTH	REINF.	REINFORC(E)(ED)(ING)	THR.	THREAD(ED)(S)
ABC	AGGREGATE BASE COURSE	CONT.	CONTINUOUS	GA.	GAUGE	MIN.	MINIMUM	REQ'D	REQUIRED	TOS	TOP OF SLAB
AC.	ACOUSTIC	COORD.	COORDINATE	GAL.	GALLON	MJ	MECHANICAL JOINT	RESTR.	RESTRAIN(ED)(ING)	TOW	TOP OF WALL
ACT.	ACTUAL	CTRD	CENTERED	GALV.	GALVANIZED	MPH	MILES PER HOUR	RJ	RESTRAINED JOINT	TYP.	TYPICAL
ADA	AMERICANS WITH DISABILITIES ACT OF 1990 (U.S.)	€	CENTERLINE	N	NORTH	RPM	REVOLUTIONS PER MINUTE	RW	RECLAIMED WATER	U.L.	UNDERWRITERS LABORATORIES
ADD'L	ADDITIONAL	D	DIAMETER	GFI	GROUND FAULT INTERRUPT	N.C.	NORTH CAROLINA	S	SOUTH, SEWER	UON	UNLESS OTHERWISE NOTED
AFF	ABOVE FINISH FLOOR	D.I.	DUCTILE IRON	GV	GATE VALVE	N.T.S.	NOT TO SCALE	S.S.	STAINLESS STEEL	UV	ULTRAVIOLET
AIR/VAC	AIR RELEASE AND VACUUM RELIEF	D.I.P.	DUCTILE IRON PIPE	H.D.G.	HOT DIP GALVANIZE(D)	N/A	NOT APPLICABLE	S.Y.P.	SOUTHERN YELLOW PINE	V.	VOLT
ALT	ALTERNATE	D.O.T.	DEPARTMENT OF TRANSPORTATION	HDWR.	HARDWARE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	SBR	SEQUENCING BATCH REACTOR	VERT	VERTICAL
ALUM.	ALUMINUM	DIA.	DIAMETER	HEX	HEXAGONAL	NIC	NOT IN CONTRACT	SCFM	STANDARD CUBIC FEET PER MINUTE	VFD	VARIABLE FREQUENCY DRIVE
AMP	AMPERES	HK	HOOK	HORIZ.	HORIZONTAL	NO.	NUMBER	SCH.	SCHEDULE	W	WEST, WATER
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	HORIZ.	HORIZONTAL	HP	HIGH POINT	NOM.	NOMINAL	SD	STORM DRAIN	W/	WITH
ARCH.	ARCHITECTURAL	HR.	HOUR	HR.	HOUR	NPT	NATIONAL PIPE THREAD	SDR	STANDARD DIMENSION RATIO	W/O	WITHOUT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	HT.	HEIGHT	HT.	HEIGHT	NW	NORTHWEST	SF	SQUARE FEET	WAS	WASTE ACTIVATED SLUDGE
BF	BLIND FLANGE	HWL	HIGH WATER LEVEL	HYD.	HYDRANT	O	OXYGEN	SHT.	SHEET	WL	WATER LEVEL
BFV	BUTTERFLY VALVE	HYD.	HYDRANT	HZ	HERTZ	ø	DIAMETER	SHWR	SHOWER	WWF	WELDED WIRE FABRIC
BLDG	BUILDING	I.D.	INSIDE DIAMETER	I.D.	INSIDE DIAMETER	O.C.	ON CENTER	SIM.	SIMILAR	WWTP	WASTEWATER TREATMENT PLANT
BTUH	BRITISH THERMAL UNIT HOUR	INV.	INVERT	INV.	INVERT	O.PNG	OPENING	SPA	SPACE	XFMR	TRANSFORMER
C.I.P.	CAST-IN-PLACE	JT.	JOINT	JT.	JOINT	OZ	OUNCE	SPECS	SPECIFICATIONS	YH	YARD HYDRANT
C.M.U.	CONCRETE MASONRY UNIT	K	KILO, THOUSAND	K	KILO, THOUSAND	PE	PLAIN END	SQ.	SQUARE		
C.O.	CLEAN OUT	KVA	KILOVOLT-AMPERE	KVA	KILOVOLT-AMPERE	PED.	PEDESTAL	SR	STATE ROAD		
CAP.	CAPACITY	KW	KILOWATT	KW	KILOWATT	PLCS	PLACES	SS	SANITARY SEWER		
		EXT.	EXTENSION	L.F.	LINEAR FEET	PSF	POUNDS PER SQUARE FOOT	STA	STATION		



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Sheet Index

WASTEWATER TREATMENT
PLANT IMPROVEMENTS
FOR THE
TOWN OF FAIRMONT
Robeson County, North Carolina

DATE:	December, 2023
DESIGNED:	MAL
DRAWN:	DJN
CHECKED:	MAL
NO.	

G.2

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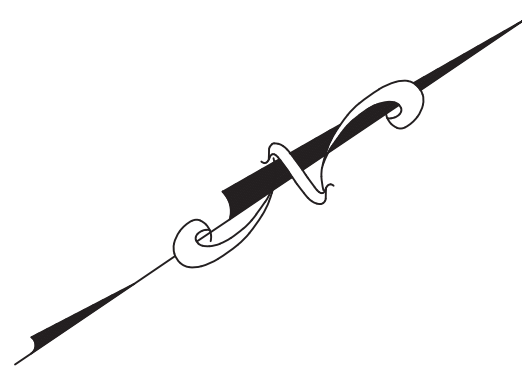
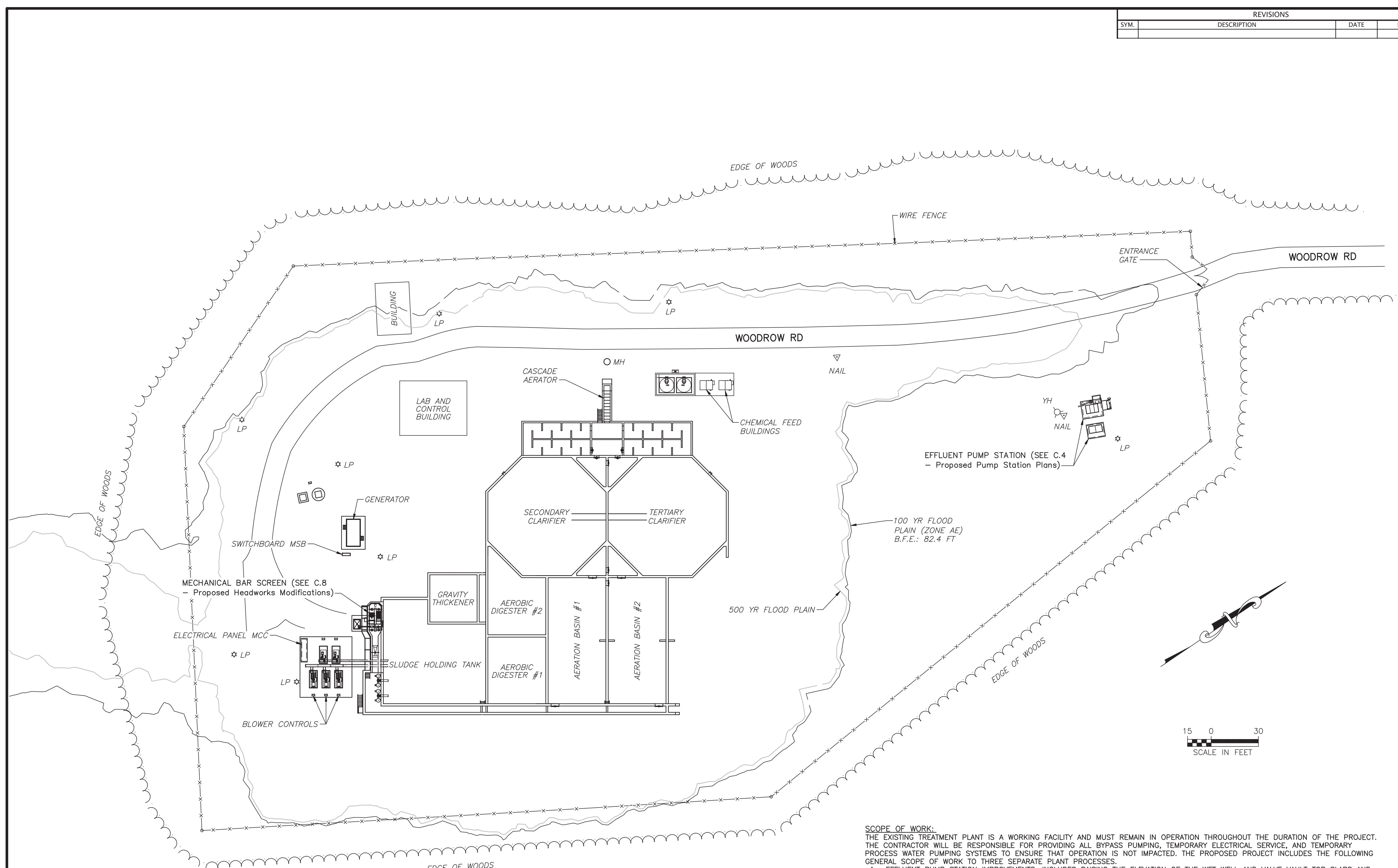


Overall Site Plan

WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

DATE:	December, 2023
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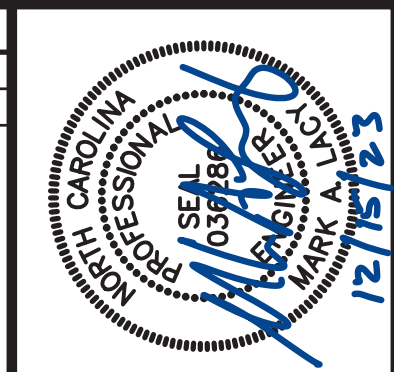
C.1



- SCOPE OF WORK:**
 THE EXISTING TREATMENT PLANT IS A WORKING FACILITY AND MUST REMAIN IN OPERATION THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING ALL BYPASS PUMPING, TEMPORARY ELECTRICAL SERVICE, AND TEMPORARY PROCESS WATER PUMPING SYSTEMS TO ENSURE THAT OPERATION IS NOT IMPACTED. THE PROPOSED PROJECT INCLUDES THE FOLLOWING GENERAL SCOPE OF WORK TO THREE SEPARATE PLANT PROCESSES.
1. EFFLUENT PUMP STATION IMPROVEMENTS: INCLUDES RAISING THE ELEVATION OF THE WET WELL AND VALVE VAULT TOP SLABS AND ACCESS, ADDITION OF A BYPASS PUMP CONNECTION ON THE EXISTING EFFLUENT FORCE MAIN, AND RELOCATION OF EXISTING PUMP CONTROL AND ELECTRICAL COMPONENTS ON AN ELEVATED STRUCTURE. THE WORK WILL INCLUDE ALL OTHER NECESSARY WORK TO PROVIDE A FUNCTIONING SYSTEM INCLUDING REPLACEMENT OF WIRING OR PUMP LEADS AS NEEDED, MODIFICATION OF PUMP REMOVAL SYSTEM, FLOAT CONTROL MODIFICATIONS, NEW CONNECTIONS TO THE WET WELL, AND ALL OTHER ITEMS NECESSARY TO COMPLETE THIS PORTION OF THE WORK.
 2. MECHANICAL BAR SCREEN REHABILITATION OR REPLACEMENT: INCLUDES EITHER THE COMPLETE REBUILD OF THE EXISTING BAR SCREEN, OR REMOVAL AND REPLACEMENT OF THE EXISTING UNIT WITH NEW EQUIPMENT. INCLUDES ALL NECESSARY ELECTRICAL MODIFICATIONS, CONTROL PANEL COMPONENT REPLACEMENT, AND ANY MODIFICATIONS TO EXISTING STRUCTURES REQUIRED.
 3. BLOWER CONTROL PANEL REPLACEMENT: INCLUDES REMOVAL OF THREE EXISTING BLOWER CONTROL UNITS AND REPLACEMENT IN ONE LOCATION WITH NEW ENCLOSURE, AND NEW WEATHER HOOD FOR EACH UNIT.

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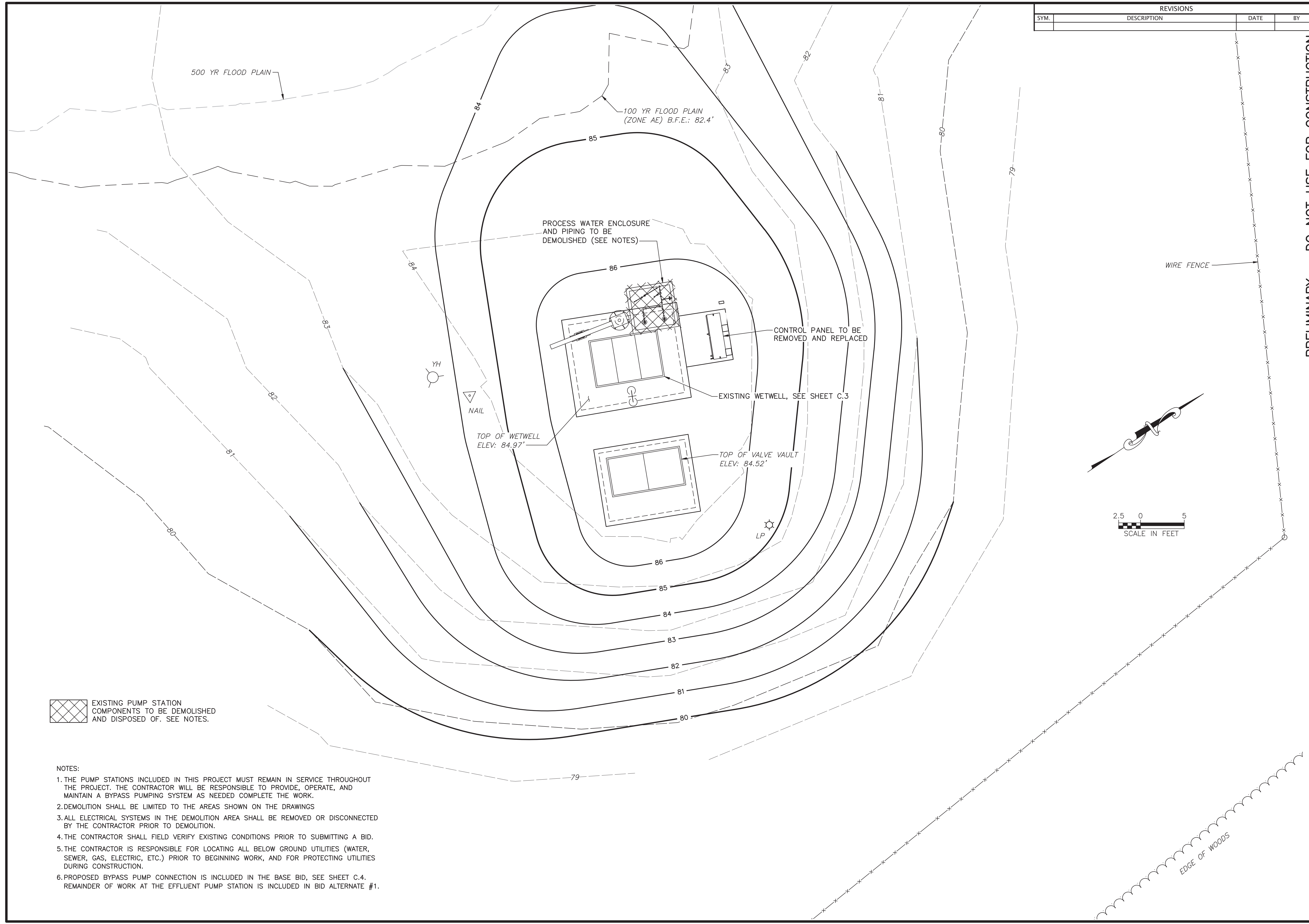
Existing Pump Station
 Site And Proposed
 Grading Plan
 (Bid Alternate #1)

WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

DATE: December, 2023
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 DRAWN: DJN
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 NO.

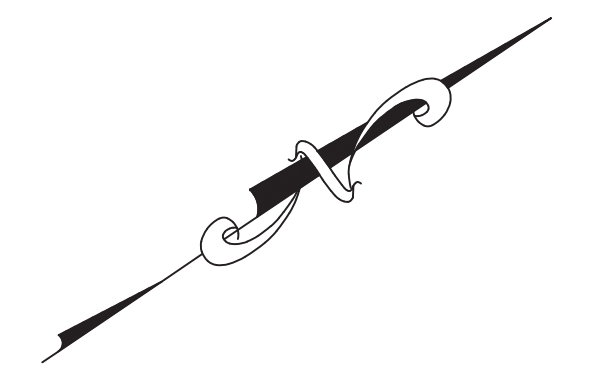
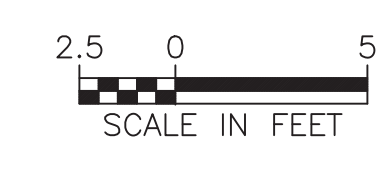
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PRELIMINARY - DO NOT USE FOR CONSTRUCTION

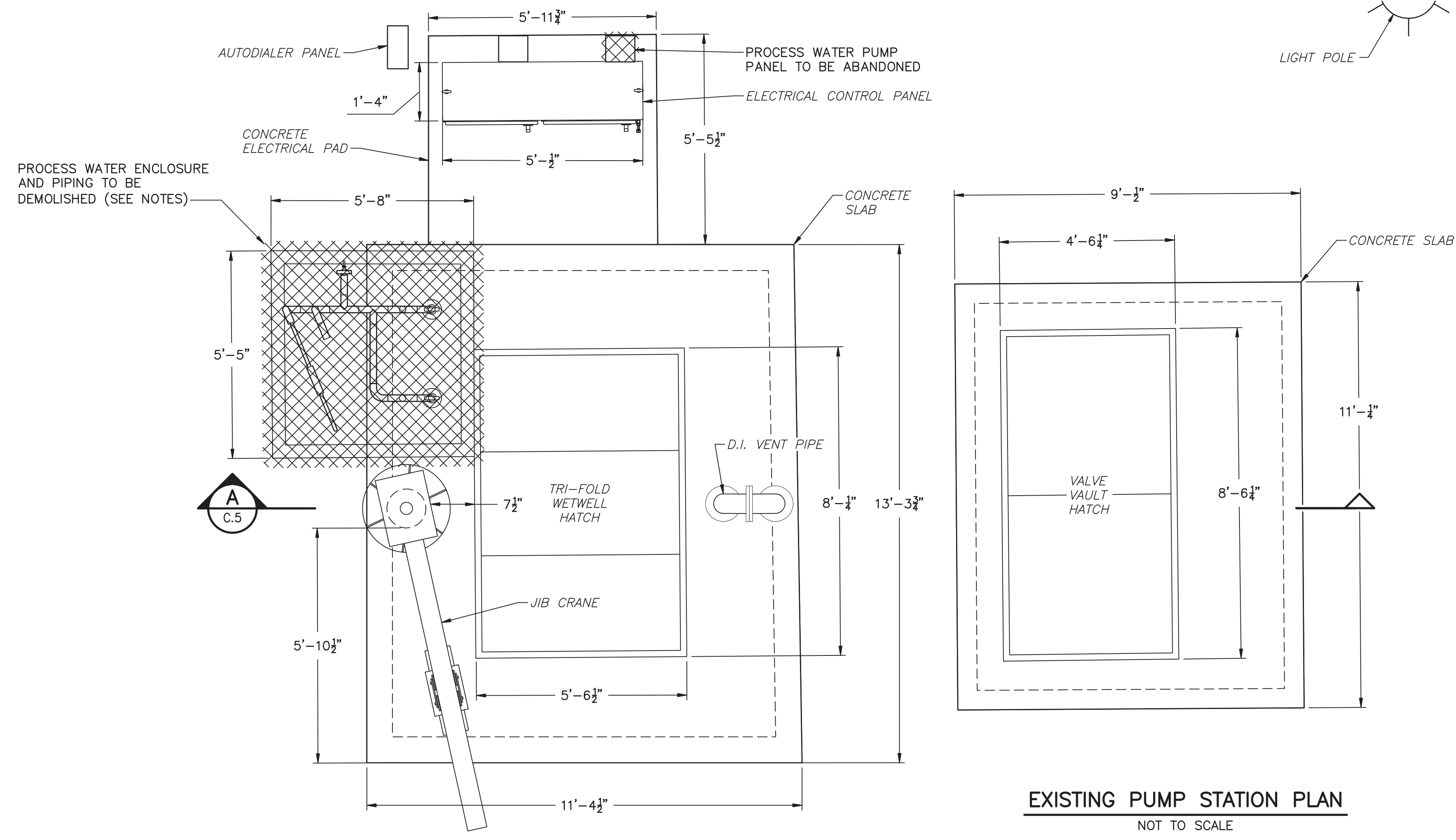


EXISTING PUMP STATION COMPONENTS TO BE DEMOLISHED AND DISPOSED OF. SEE NOTES.

- NOTES:
1. THE PUMP STATIONS INCLUDED IN THIS PROJECT MUST REMAIN IN SERVICE THROUGHOUT THE PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE, OPERATE, AND MAINTAIN A BYPASS PUMPING SYSTEM AS NEEDED COMPLETE THE WORK.
 2. DEMOLITION SHALL BE LIMITED TO THE AREAS SHOWN ON THE DRAWINGS
 3. ALL ELECTRICAL SYSTEMS IN THE DEMOLITION AREA SHALL BE REMOVED OR DISCONNECTED BY THE CONTRACTOR PRIOR TO DEMOLITION.
 4. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING A BID.
 5. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL BELOW GROUND UTILITIES (WATER, SEWER, GAS, ELECTRIC, ETC.) PRIOR TO BEGINNING WORK, AND FOR PROTECTING UTILITIES DURING CONSTRUCTION.
 6. PROPOSED BYPASS PUMP CONNECTION IS INCLUDED IN THE BASE BID, SEE SHEET C.4. REMAINDER OF WORK AT THE EFFLUENT PUMP STATION IS INCLUDED IN BID ALTERNATE #1.



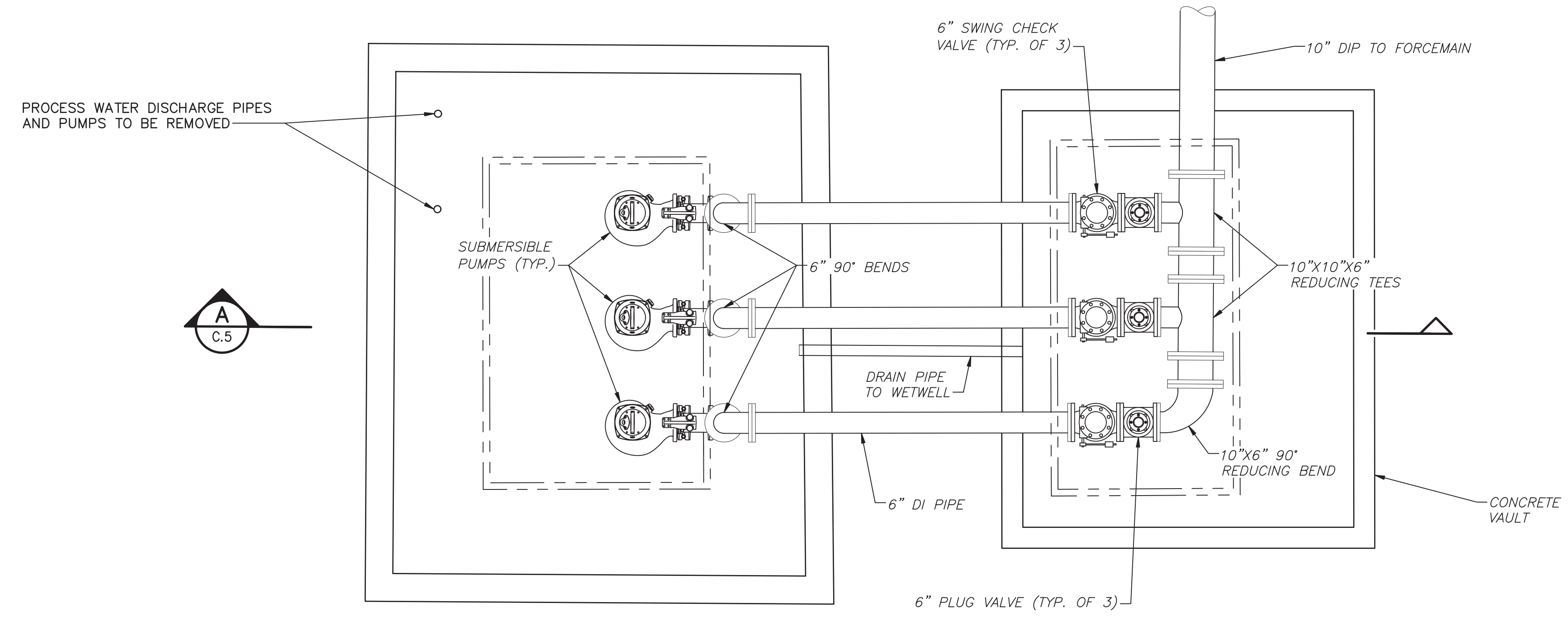
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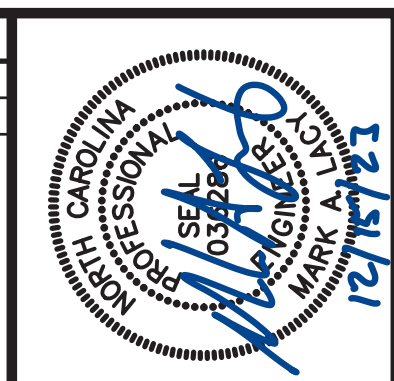
NOTE:
 CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO BEGINNING WORK. IT IS STRONGLY RECOMMENDED THAT POTENTIAL BIDDERS VISIT THE SITE PRIOR TO SUBMITTING A BID.

GENERAL SCOPE OF WORK / CONSTRUCTION SEQUENCE – EFFLUENT PUMP STATION

1. THE FOLLOWING SCOPE OF WORK IS NOT INTENDED TO BE EXHAUSTIVE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL INCIDENTAL WORK.
2. ADD BYPASS PUMP CONNECTION AND VALVES TO THE EXISTING EFFLUENT FORCEMAIN
3. DEMOLISH EXISTING PROCESS WATER PIPING, VALVES, PUMPS, DROP LEGS, AND ENCLOSURE.
4. SET UP BYPASS PUMPING SYSTEM, REMOVE EXISTING WET WELL & VALVE VAULT TOP SLAB, ADD RISER SECTIONS, REINSTALL TOP SLAB, REPLACE REMOVAL RAILS.
5. REMOVE EXISTING CONTROL PANEL, EXTEND / REPLACE EXISTING CONDUITS, GRADE SITE TO PROPOSED ELEVATION, INSTALL A NEW EQUIPMENT PAD AND REINSTALL EXISTING CONTROL PANEL AND WIRING.



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Existing Pump Station
 Plans
 (Bid Alternate #1)

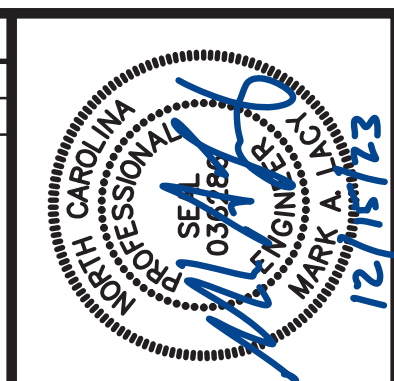
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 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

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C.3

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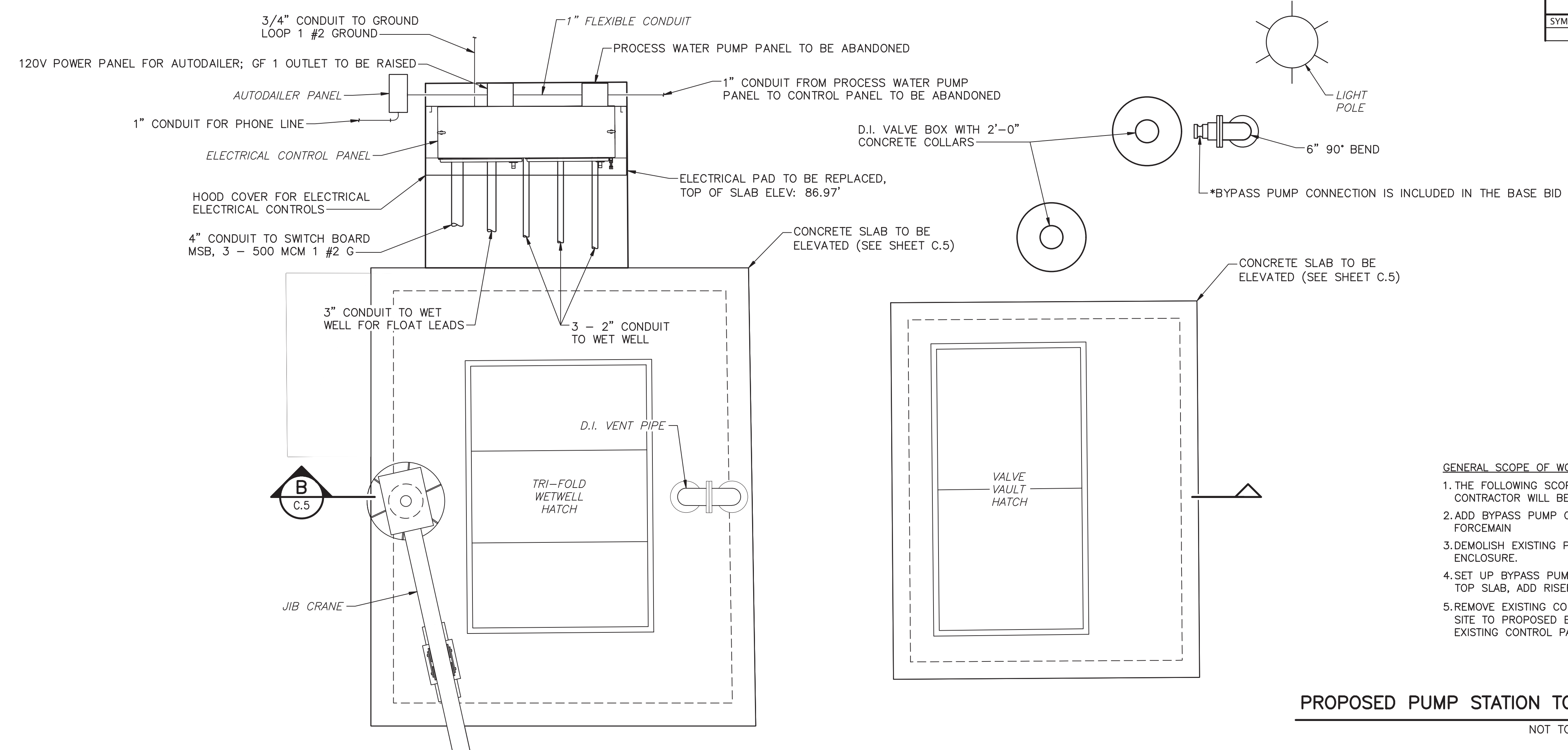
Proposed Pump Station
 Plans
 (Bid Alternate #1)

WASTEWATER TREATMENT
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 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

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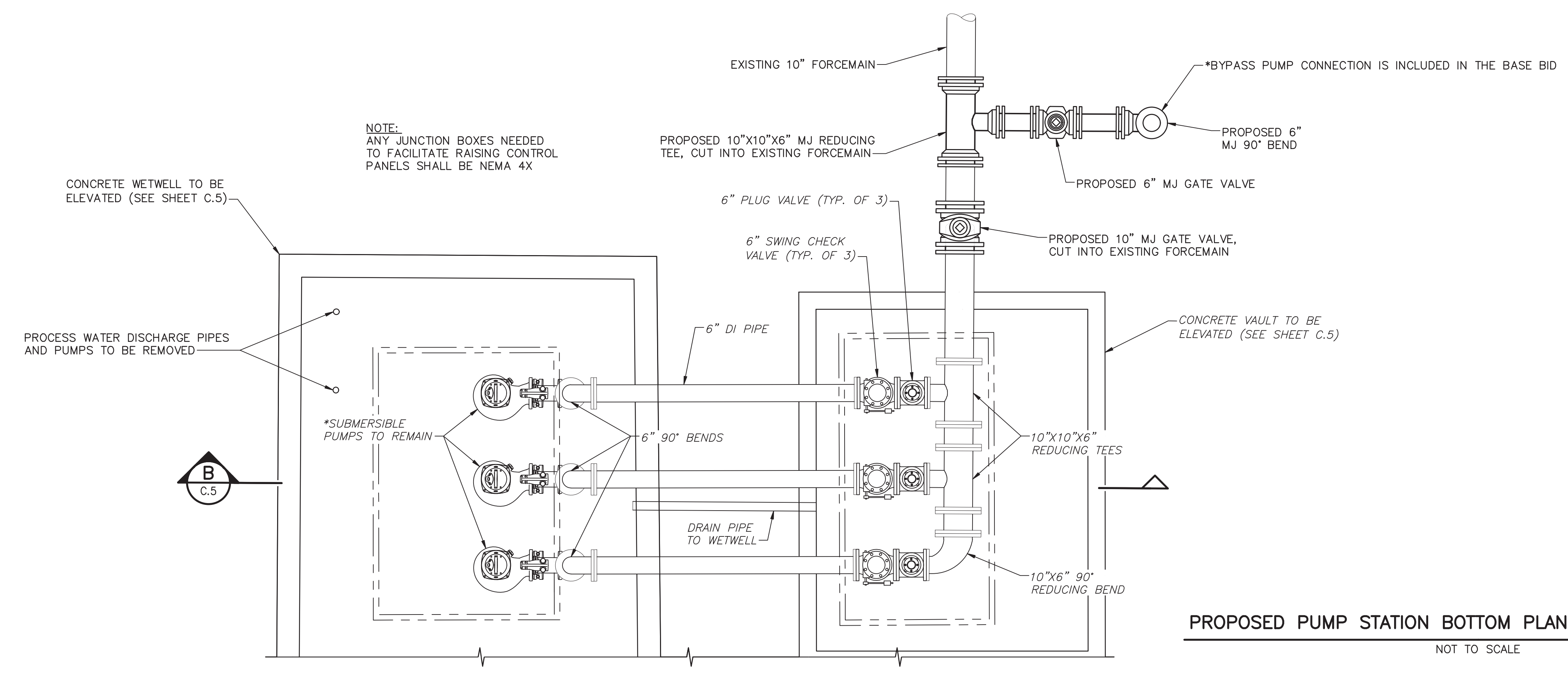
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PRELIMINARY - DO NOT USE FOR CONSTRUCTION



- GENERAL SCOPE OF WORK / CONSTRUCTION SEQUENCE - EFFLUENT PUMP STATION**
1. THE FOLLOWING SCOPE OF WORK IS NOT INTENDED TO BE EXHAUSTIVE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL INCIDENTAL WORK.
 2. ADD BYPASS PUMP CONNECTION AND VALVES TO THE EXISTING EFFLUENT FORCEMAIN
 3. DEMOLISH EXISTING PROCESS WATER PIPING, VALVES, PUMPS, DROP LEGS, AND ENCLOSURE.
 4. SET UP BYPASS PUMPING SYSTEM, REMOVE EXISTING WET WELL & VALVE VAULT TOP SLAB, ADD RISER SECTIONS, REINSTALL TOP SLAB, REPLACE REMOVAL RAILS.
 5. REMOVE EXISTING CONTROL PANEL, EXTEND / REPLACE EXISTING CONDUITS, GRADE SITE TO PROPOSED ELEVATION, INSTALL A NEW EQUIPMENT PAD AND REINSTALL EXISTING CONTROL PANEL AND WIRING.

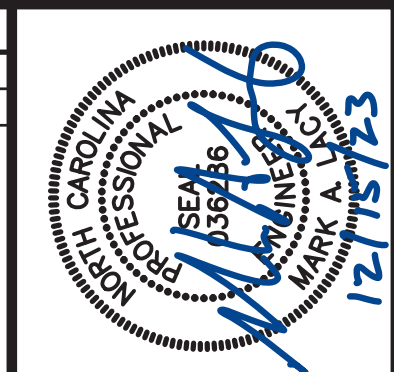
PROPOSED PUMP STATION TOP PLAN (BID ALTERNATE #1)
 NOT TO SCALE



PROPOSED PUMP STATION BOTTOM PLAN (BID ALTERNATE #1)
 NOT TO SCALE

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Pump Station Profiles
 (Bid Alternate #1)

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 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

DATE: December, 2023

DESIGNED: MAL

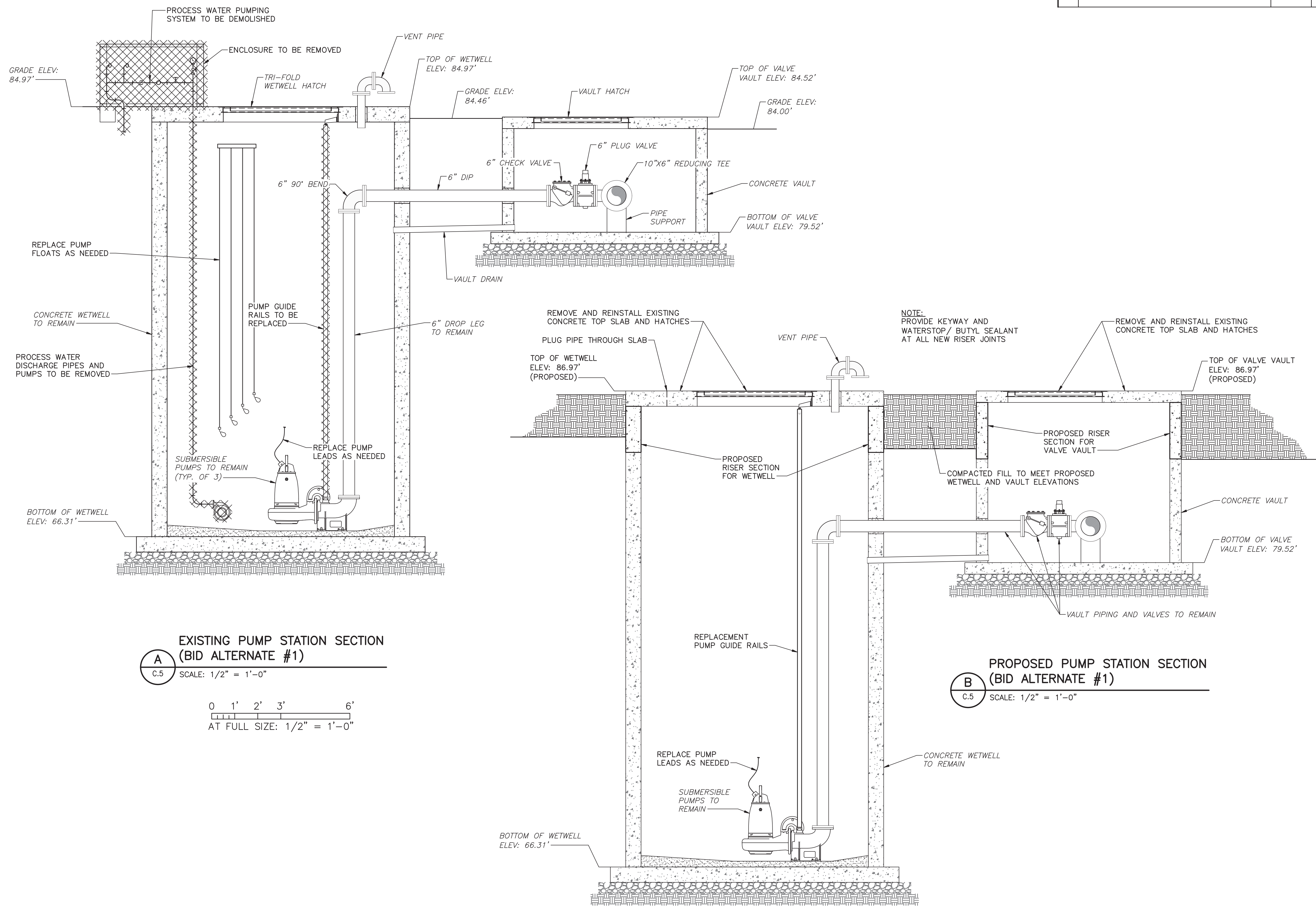
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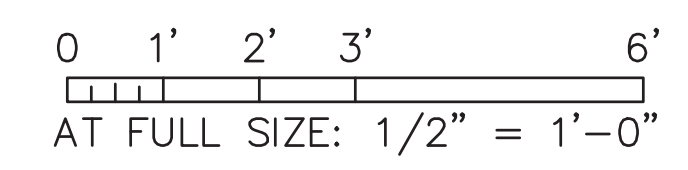
NO.

C.5

PRELIMINARY - DO NOT USE FOR CONSTRUCTION



A EXISTING PUMP STATION SECTION
 (BID ALTERNATE #1)
 C.5 SCALE: 1/2" = 1'-0"



B PROPOSED PUMP STATION SECTION
 (BID ALTERNATE #1)
 C.5 SCALE: 1/2" = 1'-0"

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Existing Headworks And
 Blowers Site Plan

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 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

DATE: December, 2023

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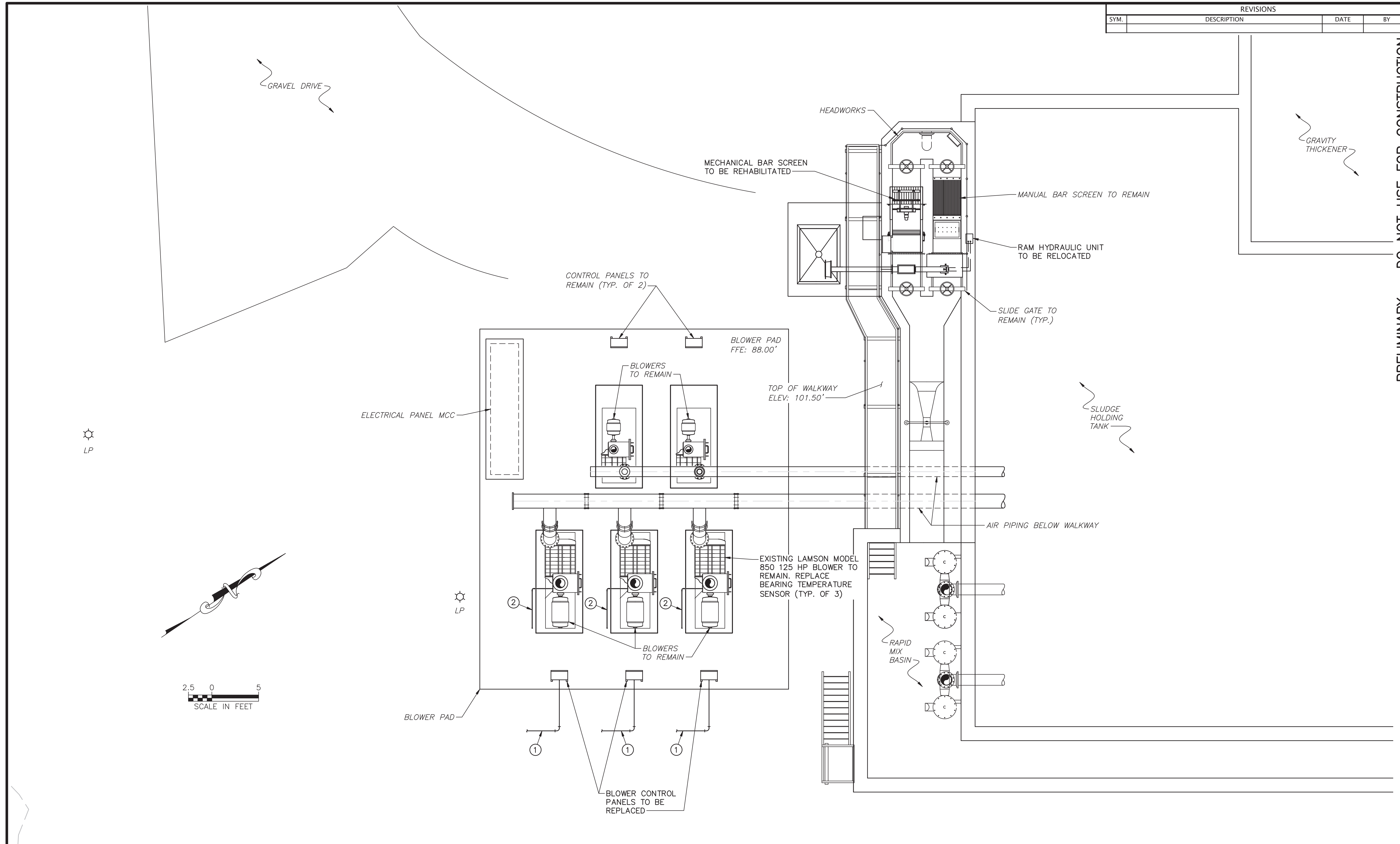
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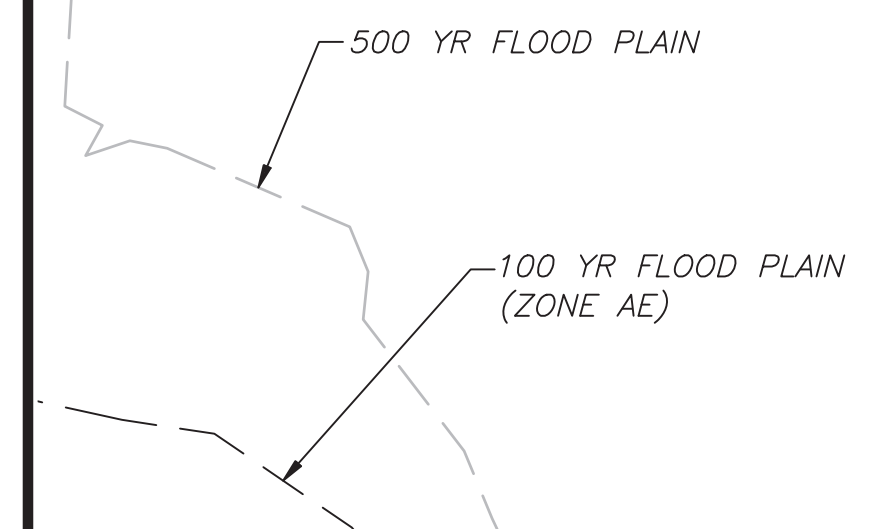
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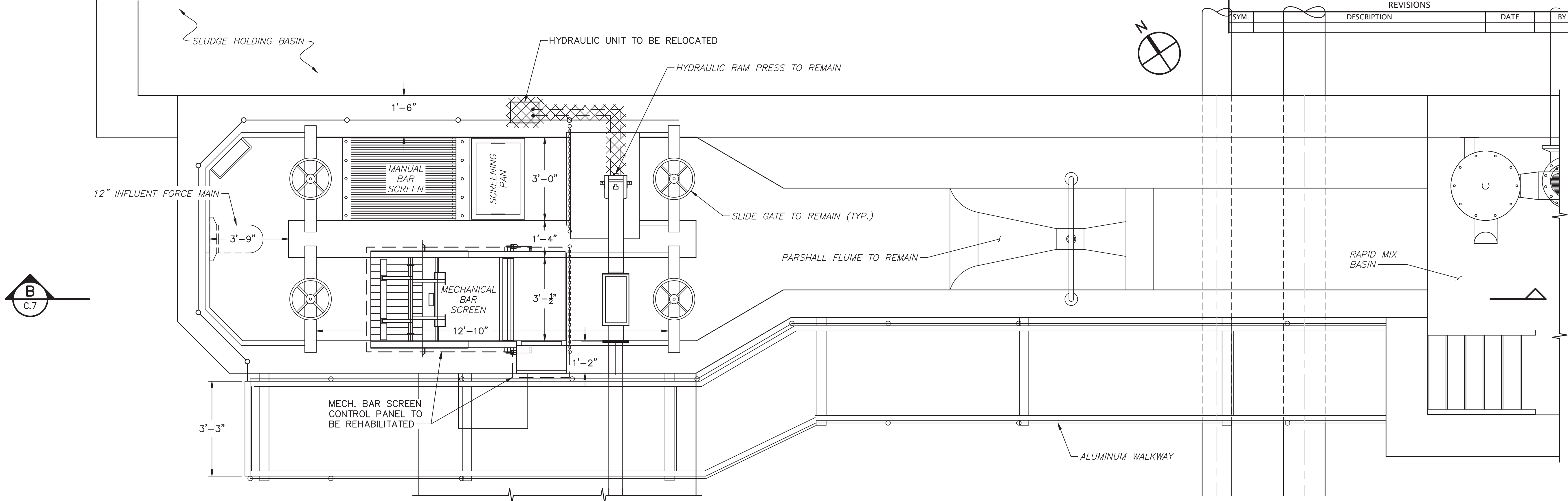
KEY NOTE LEGEND	
①	3 - 410, 2 #12, 1 #3G, 2 1/2" CONDUIT TO ELECTRICAL PANEL MCC
②	8 - #14, 1 #14G, 3/4" CONDUIT TO RESPECTIVE BLOWER CONTROL PANEL

- BLOWER CONTROL PANEL REPLACEMENT NOTES**
1. REMOVE EXISTING EQUIPMENT SUCH THAT (2) BLOWERS WILL REMAIN OPERATIONAL AT ALL TIMES.
 2. PROVIDE AND INSTALL ALUMINUM SHELTER FOR EACH ENCLOSURE.

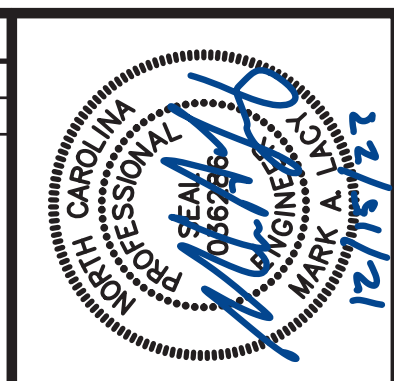
- SCOPE OF WORK / CONSTRUCTION SEQUENCE - BAR SCREEN REHABILITATION**
1. DIVERT FLOW TO MANUAL BAR SCREEN, DEWATER AND CLEAN MECHANICAL BAR SCREEN AND CHANNEL
 2. COMPLETE REHABILITATION OF EXISTING BAR SCREEN AND CONTROLS COMPONENT REPLACEMENT IN EXISTING ENCLOSURE
 3. INSTALL GALVANIZED STEEL SUPPORT PLATFORM WITH HANDRAILS AND KICKPLATE AND RELOCATE EXISTING HYDRAULIC UNIT AND HOSE.



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Existing Bar Screen Plan
 And Profile

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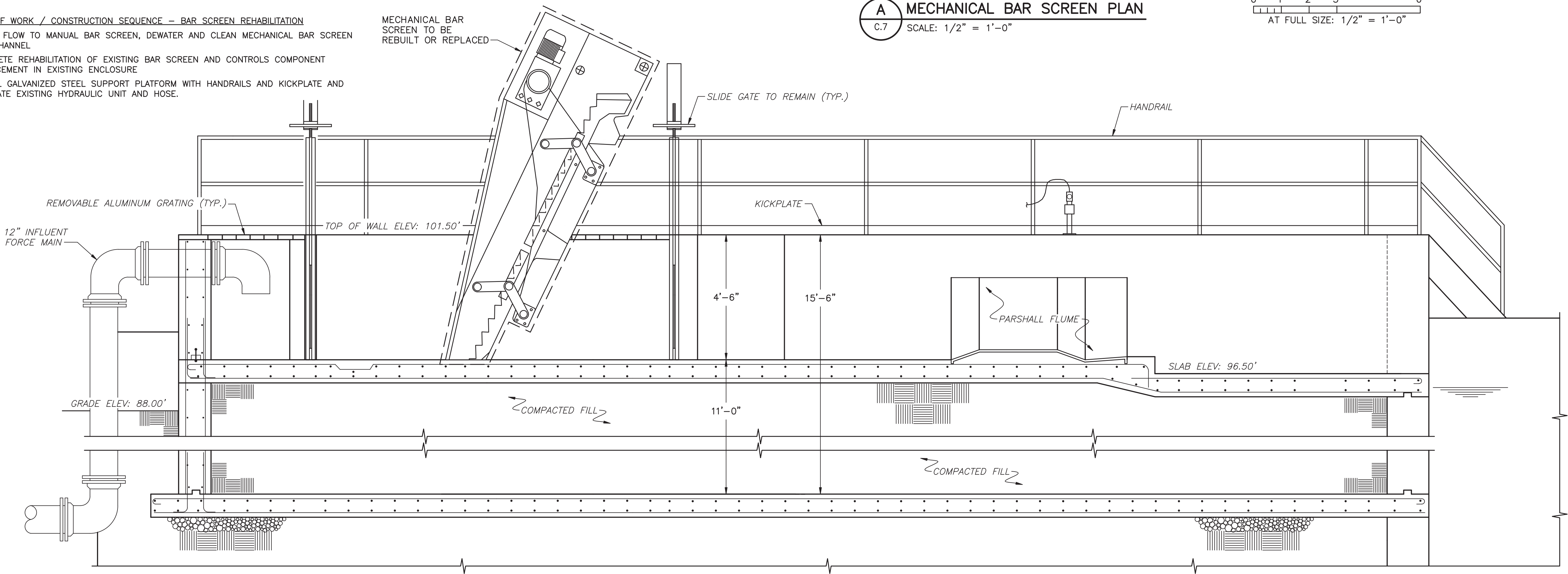
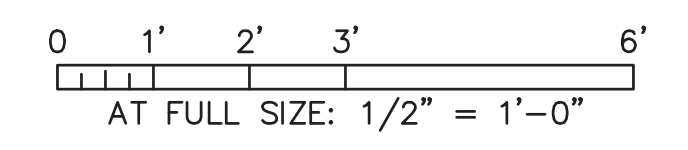
C.7

PRELIMINARY - DO NOT USE FOR CONSTRUCTION

- SCOPE OF WORK / CONSTRUCTION SEQUENCE - BAR SCREEN REHABILITATION**
- DIVERT FLOW TO MANUAL BAR SCREEN, DEWATER AND CLEAN MECHANICAL BAR SCREEN AND CHANNEL
 - COMPLETE REHABILITATION OF EXISTING BAR SCREEN AND CONTROLS COMPONENT REPLACEMENT IN EXISTING ENCLOSURE
 - INSTALL GALVANIZED STEEL SUPPORT PLATFORM WITH HANDRAILS AND KICKPLATE AND RELOCATE EXISTING HYDRAULIC UNIT AND HOSE.

MECHANICAL BAR SCREEN TO BE REBUILT OR REPLACED

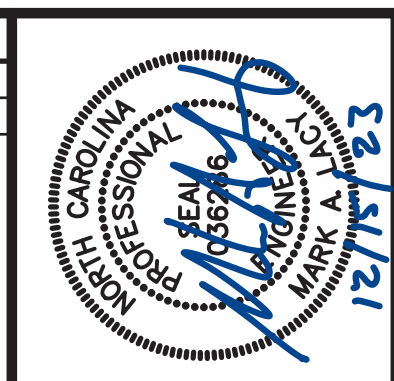
A MECHANICAL BAR SCREEN PLAN
C.7 SCALE: 1/2" = 1'-0"



B MECHANICAL BAR SCREEN PROFILE
C.7 SCALE: 1/2" = 1'-0"

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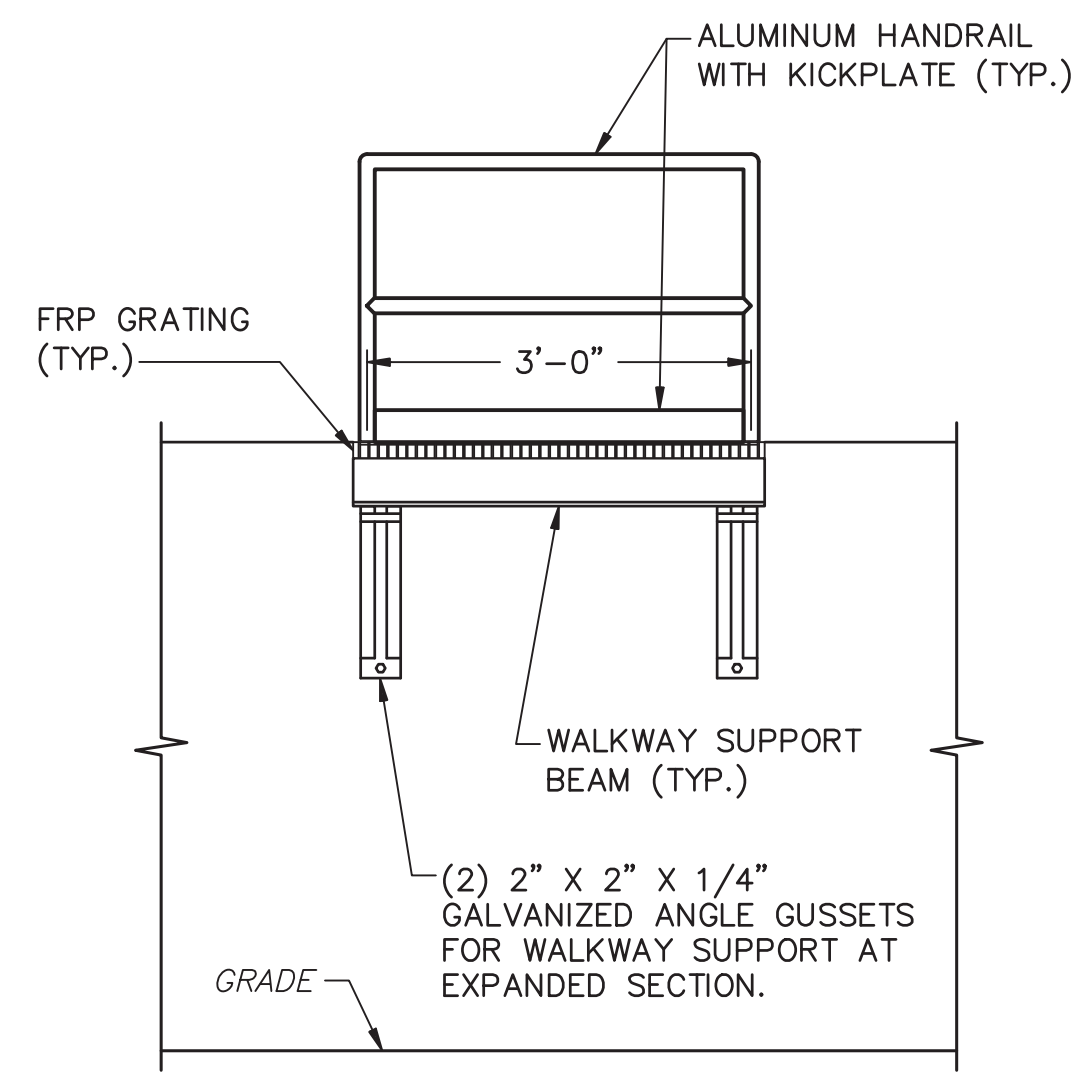
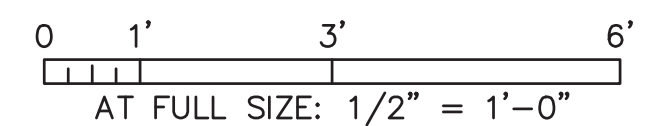
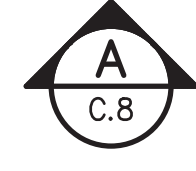
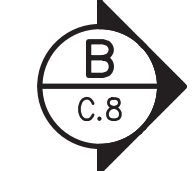
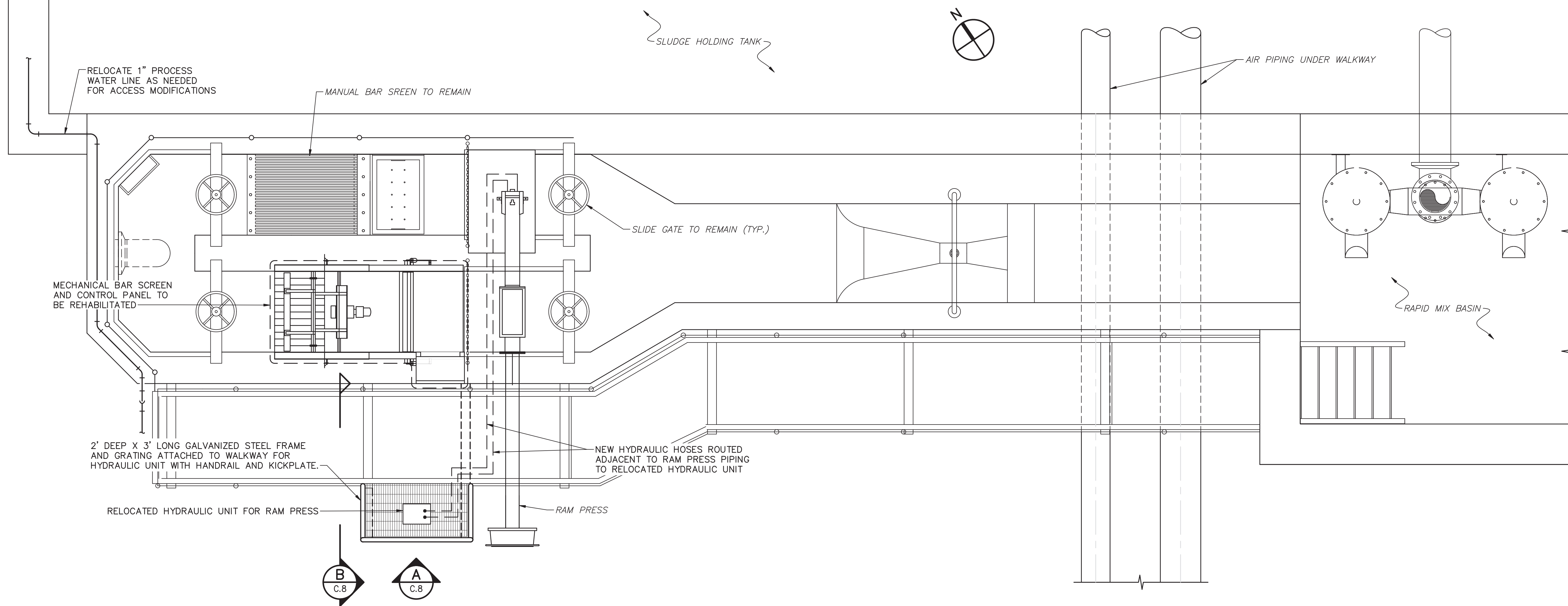
Proposed Headworks
 Modifications

WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
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 Robeson County, North Carolina

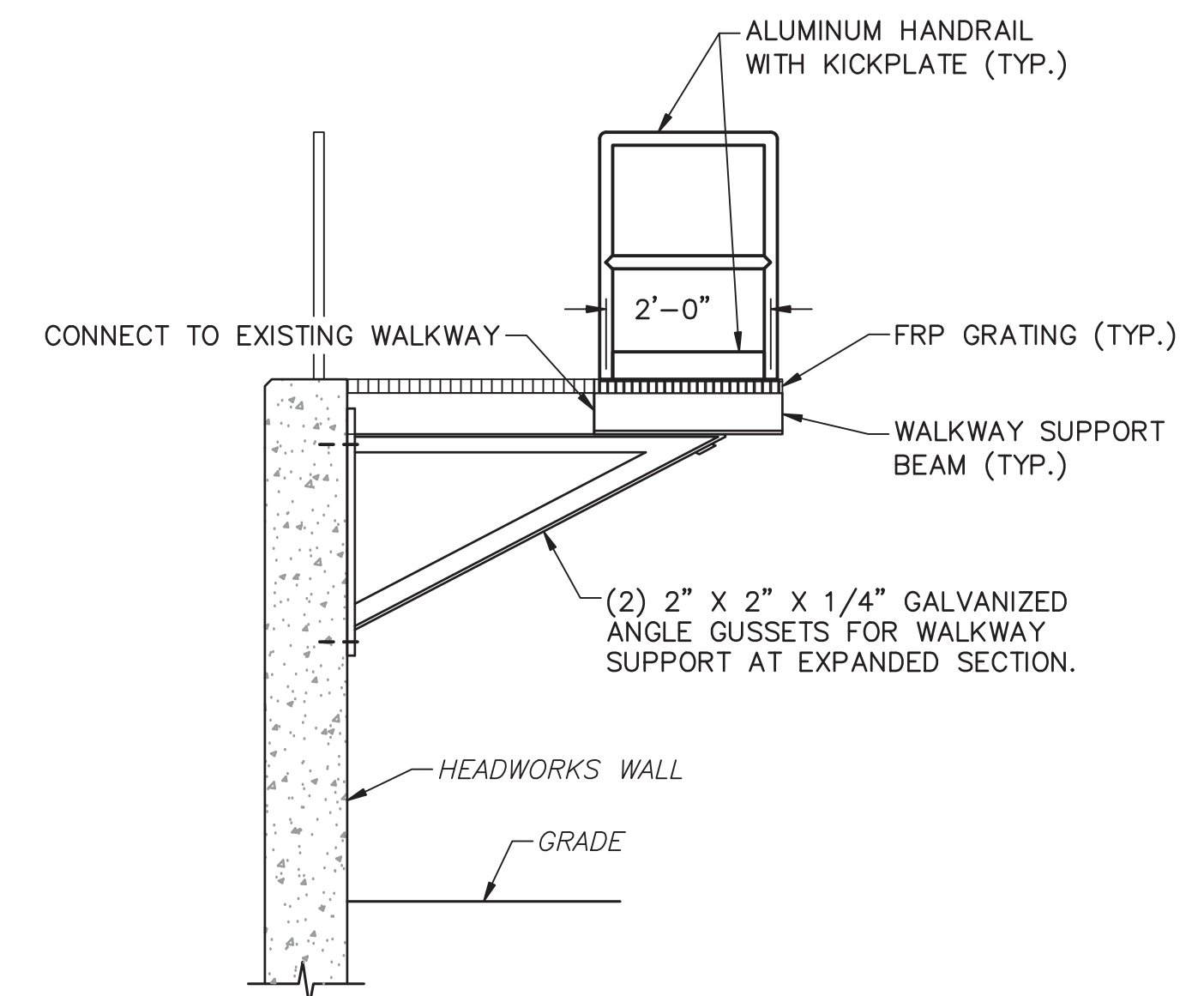
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 CHECKED: MAL
 NO.

C.8

PRELIMINARY - DO NOT USE FOR CONSTRUCTION



A PROPOSED WALKWAY ELEVATION
 C.8 NOT TO SCALE



B PROPOSED WALKWAY SECTION
 C.8 NOT TO SCALE

FAIRMONT WWTP IMPROVEMENTS PROJECT – SITE VISIT PHOTOGRAPHS

Fairmont WWTP Layout and Photo Key



Photo No. 1 Grinder Unit



Photo No. 2 – Control Unit



Photo No. 3 Grinder Tooth Outlet & Disposal



Photo No. 4 Effluent Tank



Photo No. 5 Control Unit



Photo No. 6 1980's Control Unit



Photo No. 7 Entry Gate System



Photo No. 8 Entry Gate System



Photo No. 10 Lift Station



Photo No. 11 Lift Station Control Panel



Photo No. 12 Lift Station Electrical Panel



Photo No. 13 Lift Station, Facing WWTP



Photo No. 14 Lift Station Equipment Access



Photo No. 15 Lift Station Equipment



Photo No. 16 Fairmont Wastewater Treatment Plant Facing Northwest



Photo No. 17 Plant Control Equipment



Photo No.18 Broken Effluent Gate



Photo No. 19 Effluent Pond



**Photo No. 20 Effluent Pond
(Height Due to Storm-Damaged Gates)**



ATTACHMENT 9:

**EO 11988 Floodplain Management and EO
11990 Wetlands Protection Determination**

Town of Fairmont WWTP Improvements Project

EO 11988 Floodplain Management and EO 11990 Protection of Wetlands Determination *Infrastructure Recovery Program*

April 16, 2024

Introduction and 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, North Carolina 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 Town of Fairmont WWTP Improvements Project (proposed action) located at 133 Woodrow Road, Orrum, Robeson County, NC 28369 (Subject Property) (**Appendix 1**). The analysis that follows focuses on floodplain and wetland impacts, as there are floodplain and wetlands located on the Subject Property. Based on the proposed activities being performed to existing structures, necessity for public health, and other case characteristics described herein, it is concluded that there is a reasonable basis to proceed with funding for this proposed action in 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 and Land Use

The State of North Carolina was adversely impacted by the landfall of Hurricane Matthew (October 8, 2016). During the Hurricane Matthew storm event, the Town of Fairmont was negatively impacted by severe rains and subsequent flooding of critical infrastructure, which hindered the operation of the Fairmont Waste Water Treatment Plant (WWTP). Floodwaters encroached upon the WWTP which was weakened by the storm resulting in less than optimum performance. The objective is to make the plant more resilient and capable of handling excess waste water without service interruptions during future storm events. The elevation of the effluent pump station will ensure that it can continue to pump during future storm events. 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.

Robeson County has requested HUD CDBG-MIT funding for improvements to the existing Town of Fairmont WWTP which must remain in operation throughout the duration of the project. The contractor will use bypass pumping, temporary electrical service, and temporary process water pumping systems as necessary to ensure operation is not interrupted. The proposed action includes *effluent pump station* improvements consisting of removal of the process water pumping system enclosure, drop legs, pumps, pipes, and valves; elevating the wet well, valve vault top slabs, and access approximately two feet; addition of a bypass pump connection on the existing 10-inch effluent force main; relocation of existing pump

control and electrical components to an elevated structure; and all necessary associated improvements such as replacement of wiring, pump leads, and pump guide rails; modification or replacement of pump removal system and float controls; and the addition of junction boxes and new connections to the wet well. The proposed action includes either the complete rebuild or removal and replacement of the existing Huber Technology Model SSF3000x726x3 step *mechanical bar screen* with new equipment and all necessary associated improvements such as control panel component replacement and modifications to electrical components and existing structures. There will also be removal and replacement of three *blower control panels* each with a new weather hood and enclosures for the existing 125 Hp Lamson model 850 blowers and replacement of the existing bearing temperature sensor and current transformer (CT) in the existing motor control center (MCC). The replacement of the blower control panels will be given priority. There will be *elevated access walkway* improvements and the existing *hydraulic power pack unit* for the ram press will be removed and relocated and/or replaced along with all hydraulic hoses and wiring modifications. The top of the wet well will be elevated two feet to 86.97 feet and the top of the valve vault will be elevated to 86.97 feet from the current 84.52 feet. The electrical pad will be replaced and elevated to a top of slab elevation of 86.97 feet. The ground disturbance will be limited to the elevation of the wet well and electrical controls which would add approximately 350 – 400 cubic yards (cy) of fill at the wet well and make a smooth transition back to existing grade. There is no tree removal anticipated.

The proposed action will result in direct impacts to 100-year floodplain for the existing *effluent pump station* elevation and improvements. There are no proposed activities that will occur in 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 the use in the 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.

Based on the FEMA FIRM and PFIRM panel 3720020500K, effective on 12/6/2019, the Subject Property contains Zone X, 100-year floodplain (Zone AE) and 500-year floodplain (**Appendix 1**). The WWTP facility is mostly located within Zone X, an area of minimal flood hazard, outside of Special Flood Hazard Area (SFHA). A small office building in the southwest corner of the parcel and portions of the chain link fencing are located in 100-year floodplain (Zone AE) and 500-year floodplain. The effluent pump station and entrance gate are wholly located in 100-year floodplain (Zone AE). The effluent pump station improvements are the only proposed action activities located in 100-year floodplain (Zone AE). The Subject Property is not located within a FEMA-designated regulatory floodway. (*See Appendix 1.*)

Under 24 CFR 55.12 Inapplicability of 24 CFR part 55 to certain categories of proposed actions, section (a)(4) includes “HUD's or the recipient's actions under any HUD program involving the repair, rehabilitation, modernization, weatherization, or improvement of existing nonresidential buildings and structures, in communities that are in the Regular Program of the NFIP and are in good standing, provided that the action does not meet the thresholds for ‘*substantial improvement*’ under § 55.2(b)(10) and that the footprint of the structure and paved areas is *not significantly increased*” (emphasis added). The Town of Fairmont (370205#) is a participating community in good standing in the regular program of the NFIP (**Appendix 1**). Under 24 CFR 55.2(b)(10)(i), “Substantial improvement means either (A) Any repair, reconstruction, modernization or improvement of a structure, the cost of which equals or exceeds 50 percent of the market value of the structure either: (1) Before the improvement or repair is started; or (2) If the structure has been damaged, and is being restored, before the damage occurred; or (B) Any repair, reconstruction, modernization or improvement of a structure that results in an increase of more than twenty percent in the number of dwelling units in a residential project or in the average peak number of customers and employees likely to be on-site at any one time for a commercial or industrial project.” This municipal

WWTP rehabilitation and elevation project does not significantly increase the structure's footprint or paved areas. The proposed action involves improvements to the existing Fairmont WWTP facility. These improvements include elevation and associated improvements to the *effluent pump station*, rebuild or removal and replacement of *mechanical bar screen* and associated improvements, removal and replacement of three *blower control panels*, *elevated access walkway* improvements, and the existing *hydraulic power pack unit* for the ram press will be removed and relocated and/or replaced along with all hydraulic hoses and wiring modifications. These are considered "minor improvements" under 24 CFR 55.2(b)(10)(iii). Thus, under 24 CFR 55.12(a)(4), the proposed action can follow the 5-step process, and the decision-making steps in § 55.20(b), (c), and (g) (steps 2, 3, and 7) do not apply. As such, the modified five-step floodplain determination process in §55.20 is required, and the following analysis examines each step in the EO 11988 Floodplain Management Determination process.

There are USFWS National Wetlands Inventory (NWI) mapped palustrine forested wetlands (PF01/4C) located on the Subject Property (**Appendix 1**). The NWI map shows the WWTP facility mostly located outside of wetlands, a small office building in the southwest corner of the parcel and portions of the chain link fencing in wetlands, and the effluent pump station and entrance gate wholly located in wetlands. The effluent pump station improvements are the *only* proposed action activities located in NWI-mapped wetlands. (See **Appendix 1**.) Based on aerial and site visit photographs, there has been previous, significant site modification including fill and development for the existing fenced-in WWTP facility and *none* of the proposed action activities will occur in wetlands (**Appendix 1**). According to the U.S. Army Corps of Engineers (USACE) and NC Department of Environmental Quality (DEQ) Division of Water Resources (DWR), a Pre-construction Notice (PCN) and Clean Water Act Section 404 or 401 permits are not required for the proposed action. The work will take place in uplands within the existing operational plant and will *not* impact wetlands or Waters of the U.S. (**Appendix 1**). However, the Subject Property does contain incidental wetlands. Under 24 CFR 55.12(a)(4), the proposed action can follow the 5-step process, and the decision-making steps in § 55.20(b), (c), and (g) (steps 2, 3, and 7) do not apply. Due to the use of HUD funds, compliance with EO 11990 through completion of the five-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 and PFIRM panel 3720020500K, effective on 12/6/2019, the Subject Property contains Zone X, 100-year floodplain (Zone AE) and 500-year floodplain (**Appendix 1**). The WWTP facility is mostly located within Zone X, an area of minimal flood hazard, outside of SFHA. An estimated 4.29 acres of the parcel are located in Zone X, with a small fringe area of 500-year floodplain and the remaining acreage in Zone AE. A small office building in the southwest corner of the parcel and portions of the chain link fencing are located in 100-year floodplain (Zone AE) and 500-year floodplain. The effluent pump station and entrance gate are wholly located in 100-year floodplain (Zone AE). The effluent pump station improvements are the *only* proposed action activities located in 100-year floodplain (Zone AE) (see Site Plans in **Appendix 1**). The Subject Property is not located within a FEMA-designated regulatory floodway. The Town of Fairmont (370205#) is a participating community in the NFIP. While the effluent pump station is located within 100-year floodplain (SFHA, Zone AE), flood insurance is not required for the proposed action. According to the NFIP Flood Insurance Manual effective October 1, 2022, underground structures such as the effluent pump station and associated valve vault are not insurable structures. In addition, the associated control panel is not considered a structure and is not insurable. Therefore, flood insurance is not required for the proposed action. However, the modified five-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 palustrine forested wetlands (PF01/4C) located on the Subject Property (**Appendix 1**). The NWI map shows the WWTP facility mostly located outside of wetlands, a small office building in the southwest corner of the parcel and portions of the chain link fencing in wetlands, and the effluent pump station and entrance gate wholly located in wetlands. The effluent pump station improvements are the *only* proposed action activities located in *NWI-mapped* wetlands. An estimated 5.32 acres of the parcel contain wetlands but will not be impacted by the proposed action (**Appendix 1**). Based on aerial and site visit photographs, there has been previous, significant site modification including fill and development for the existing fenced-in WWTP facility and *none* of the proposed action activities will occur in wetlands. USACE and NC DEQ DWR determined that a PCN and CWA Section 404 or 401 permits are *not* required for the proposed action. The work will take place in uplands within the existing operational plant and will *not* impact wetlands or Waters of the U.S. (**Appendix 1**). The modified five-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. A local floodplain development permit will be obtained. USACE and NC DEQ DWR determined that a PCN and Clean Water Act Section 404 or 401 permits are *not* required for the proposed action. 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 14: SCH Draft CEST Comments in the Town of Fairmont WWTP Improvements Project Environmental Review for Activity/Project that is Categorically Excluded Subject to Section 58.5 [CEST] environmental review record [ERR]*). All necessary permits will be identified and obtained prior to commencing work and appended to the *Town of Fairmont WWTP Improvements Project CEST ERR* when received from the permitting agencies.

Step 2. Initiate Public Notice for Early Review of Proposal - Inapplicable.

Step 3. Identify and Evaluate Practicable Alternatives to Locating the Proposed Action in a 100-year Floodplain or Wetland - Inapplicable.

Step 4. Identify and Evaluate Potential Direct and Indirect Impacts Associated with 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. Additionally, natural floodplains and wetlands provide important functions for water quality maintenance and groundwater recharge. However, the proposed action has been designed to avoid wetlands and minimize impacts to floodplain. Based on the FEMA FIRM and PFIRM panel 3720020500K, effective on 12/6/2019, the Subject Property contains Zone X, 100-year floodplain (Zone AE) and 500-year floodplain (**Appendix 1**). This 10.24-acre Town-owned parcel contains an estimated 4.29 acres of the parcel are located in Zone X, with a small fringe area of 500-year floodplain and the remaining acreage in Zone AE. The WWTP facility is mostly located within Zone X, an area of minimal flood hazard, outside of SFHA. The effluent pump station and entrance gate are wholly located in 100-year floodplain (Zone AE).

The effluent pump station improvements are the *only* proposed action activities located in 100-year floodplain (Zone AE) (*see* Site Plans in **Appendix 1**). The proposed action includes effluent pump station improvements consisting of removal of the process water pumping system enclosure, drop legs, pumps, pipes, and valves; elevating the wet well, valve vault top slabs, and access approximately two feet; addition of a bypass pump connection on the existing 10-inch effluent force main; relocation of existing pump control and electrical components to an elevated structure; and all necessary associated improvements such as replacement of wiring, pump leads, and pump guide rails; modification or replacement of pump removal system and float controls; and the addition of junction boxes and new connections to the wet well. The top of the wet well will be elevated two feet to 86.97 feet and the top of the valve vault will be elevated to 86.97 feet from the current 84.52 feet. The electrical pad will be replaced and elevated to a top of slab elevation of 86.97 feet. The ground disturbance will be limited to the elevation of the wet well and electrical controls which would add approximately 350 – 400 cy of fill at the wet well and make a smooth transition back to existing grade. There is no tree removal anticipated. There has been previous, significant site modification including fill and development for the existing fenced-in WWTP facility where activities are planned. There is no work outside of the current footprint of the plant or the plant components and elevation will be in place. Thus, there will be minor modification of 100-year floodplain (Zone AE, SFHA) resulting from the effluent pump station improvements and elevation.

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. A local floodplain development permit will be obtained. USACE and NC DEQ DWR determined that a PCN and CWA Section 404 or 401 permits are *not* required for the proposed action (**Appendix 1**). 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 proposed action will disturb 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 14: SCH Draft CEST Comments in the Town of Fairmont WWTP Improvements Project CEST ERR*). All necessary permits will be identified and obtained prior to commencing work and appended to the *Town of Fairmont WWTP Improvements Project CEST ERR* when received from the permitting agencies. Due to current land use and conditions, design plans, and BMPs, the proposed action is anticipated to have no or minimal impact on the floodplain and wetlands including their ability to provide natural moderation of floods, water quality maintenance, and groundwater recharge. Thus, while the proposed action would directly affect the floodplain, it is not anticipated to have an adverse effect on the floodplain for the surrounding communities.

Living Resources such as Flora and Fauna

For this proposed action, the USFWS Raleigh Ecological Services' online 10-step project review process was completed. Using the USFWS Raleigh Ecological Services' online 10-step project review process, NCORR made "no effect" determinations for proposed/listed species and/or proposed/designated critical habitat, except for a "not likely to jeopardize species' continued existence" for the proposed Tricolored Bat, and a "no Eagle Act permit required" determination for eagles. According to the NC NHP database, there is one federally-listed species within one mile of the proposed project area, the threatened (similar appearance) American Alligator (*Alligator mississippiensis*). The Official Species List identified a total of six threatened, endangered or candidate species and no critical habitat within one mile of the proposed project area. These species include the proposed endangered Tricolored Bat (*Perimyotis subflavus*), endangered Red-cockaded Woodpecker (*Picoides borealis*), threatened Wood Stork (*Mycteria americana*), threatened (similar appearance) American Alligator (*Alligator mississippiensis*), endangered Michaux's Sumac (*Rhus michauxii*) and candidate Monarch Butterfly (*Danaus plexippus*). According to the USFWS and NMFS critical habitat mappers, there is no critical habitat in or adjacent to the Subject Property. 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 five migratory birds including the American Kestrel (*Falco sparverius* Paulus), Chimney Swift (*Chaetura pelagica*), Prothonotary Warbler (*Protonotaria citrea*), Red-headed Woodpecker (*Melanerpes erythrocephalus*), and Wood Thrush (*Hylocichla mustelina*). It is anticipated that no trees will be removed and any migratory birds in the area will temporarily leave the area during repairs and construction.

The proposed action entails improvements to the existing Town of Fairmont WWTP. The WWTP is situated within a cleared, regularly mowed, fenced-in area with an access road on the Town-owned parcel (action area). 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. A self-certification letter and online project review certification package were completed and submitted to the USFWS Raleigh Field Office (FO) on February 16, 2024. (*See Attachment 8 in the Town of Fairmont WWTP Improvements Project CEST 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. A local floodplain development permit will be obtained. USACE and NC DEQ DWR determined that a PCN and CWA Section 404 or 401 permits are *not* required for the proposed action. 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 proposed action will disturb 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 14: SCH Draft CEST Comments in the Town of Fairmont WWTP Improvements Project CEST ERR*). All necessary permits will be identified and obtained prior to commencing work and appended to the *Town of Fairmont WWTP Improvements Project CEST ERR* when received from the permitting agencies. The proposed action has been determined to have “no effect” on proposed/listed species and/or proposed/designated critical habitat, except for a “not likely to jeopardize species’ continued existence” for the proposed Tricolored Bat, and a “no Eagle Act permit required” determination for eagles. Thus, as designed, the proposed action will have no or minimal impacts to living resources, such as flora and fauna, during the proposed improvements and operation as a municipal WWTP facility.

Impacts to Property and Lives

The State of North Carolina was adversely impacted by the landfall of Hurricane Matthew (October 8, 2016). During the Hurricane Matthew storm event, the Town of Fairmont was negatively impacted by severe rains and subsequent flooding of critical infrastructure, which hindered the operation of the Fairmont WWTP. Floodwaters encroached upon the WWTP which was weakened by the storm resulting in less than optimum performance. During the Hurricane Matthew storm event, flood waters inundated the plant to the point where the generator stack melted and fell off. The objective is to make the plant more durable and more capable of handling excess waste water during future storm events. The elevation of the effluent pump station will ensure that it can continue to pump during future storm events. When the effluent pump station flooded during past storms, it prevented the WWTP from unloading the end product into the river. Elevating the effluent pump station will mitigate future damage, overflows, and unexpected downtime at the plant. The plant is approximately 23 years old and many of the parts needed to keep the WWTP going were damaged during the storm and are in need of replacement. Furthermore, the floodwaters from the City of Lumberton also flowed into Fairmont and Fair Bluff. The Town’s drainage canals sustained major flooding, downed trees, and debris buildup. During normal storm conditions, storm water has little impact on the WWTP. During the Hurricane Matthew storm event, massive amounts of large objects entered the waste water driven by the storm to the point that the plant could not keep up with the overload and the bar screen teeth ended up being stripped. The bar screen is a mechanical filter that is used in a plant to remove large objects such as rags and plastics. Operating the WWTP with stripped teeth can result in a major shutdown of the plant. Replacement of these parts will allow better response time in the event they are damaged during a future storm. Currently, the WWTP is operating at reduced effectiveness, the Town has to send out for parts to be made; but after replacement, the newer parts can be replaced and repaired more readily and at a greatly reduced cost. The inflow and infiltration from storm waters from all of the Fairmont WWTP partners including Fairmont, Fair Bluff, Proctorville, Orrum Middle School, Boardman, and Cerro Gordo were sent to the Town’s WWTP facility, overworking the plant components and resulting in irregularities and major breakdowns. All of the activities in this proposed action will make the plant more resilient in face of another storm event. As a result of this proposed action, the Town will be able to continue treating waste water for its citizens and partners especially during future storm events. This proposed action is discussed during each Town Board meeting and the meeting minutes are available on the Town’s website. The community supports any Town effort that would avoid passing on excess costs to them in the form of user fees.

It is critical for safeguarding public health and property that the Fairmont WWTP is capable of processing waste water especially during future storm events. The Town’s citizens and partners reliant on the functioning of the plant would not have an alternative for its waste water treatment. In the absence of effective waste water treatment, threats to public safety and property arising from lack of optimal processing capability are of main concern to the Town, its partners and customers, and the greater community. Improving this critical infrastructure will ensure that sewage treatment may continue at an optimal level

and alleviate severe threats to public health and property during and after future storm events. Further, the proposed activities have been designed to minimize impacts to wetlands and 100-year floodplain. Therefore, the proposed action should not increase impacts to property and lives but rather aims to rehabilitate a storm-damaged municipal waste water treatment plant which serves an important purpose for the Town, its partners and customers, and the greater community.

Cultural Resources such as Archaeological, Historic and Recreational Aspects

The proposed action involves improvements to existing structures at the Fairmont WWTP facility. These improvements include elevation and associated improvements to the *effluent pump station*, rebuild or removal and replacement of *mechanical bar screen* and associated improvements, removal and replacement of three *blower control panels*, *elevated access walkway* improvements and the existing *hydraulic power pack unit* for the ram press will be removed and relocated and/or replaced along with all hydraulic hoses and wiring modifications. 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. As part of this review, the NC SHPO was consulted regarding any historic properties in the area that could be affected by the proposed action. On February 16, 2024, 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 March 12, 2024, 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. The proposed action involves improvements to an existing WWTP with the only ground disturbance limited to the elevation of the existing wet well and electrical control panel which would add approximately 350 – 400 cy of fill at the wet well and make a smooth transition back to existing grade. There is no new construction and ground disturbance will be limited to the elevation and related grading in previously disturbed areas. Thus, the Catawba Indian Nation is not being consulted to help identify historic properties in the proposed project area that may have religious and cultural significance to the Nation. The HUD When to Consult with Tribes Under Section 106 Form was completed. The proposed action is in compliance with Section 106. The SHPO Section 106 review and consultation documentation is included in **Attachment 10** of the *Town of Fairmont WWTP Improvements Project CEST ERR*.

The Lumber River State Park has locations to the northeast and south 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. The Lumber River will benefit from the proposed action with the prevention of sewage released into the community during future storm events. Improving this critical infrastructure will ensure that sewage treatment may continue at an optimal level during and after future storm events. Further, the proposed activities have been designed to minimize impacts to wetlands and 100-year floodplain. Therefore, the proposed action should not increase impacts to the Lumber River State Park but rather aims to rehabilitate a storm-damaged municipal waste water treatment plant which will benefit the greater community. 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 proposed action site contains the fenced-in Fairmont WWTP facility. The proposed action involves improvements to existing structures at the Fairmont WWTP facility. These improvements include elevation and associated improvements to the *effluent pump station*, rebuild or removal and replacement of *mechanical bar screen* and associated improvements, removal and replacement of three *blower control panels*, *elevated access walkway* improvements and the existing *hydraulic power pack unit* for the ram press will be removed and relocated and/or replaced along with all hydraulic hoses and wiring modifications. This proposed action does *not* involve acquisition of undeveloped land or conversion of land from one use to another. Since the proposed action involves work on an existing municipal facility, the proposed activities will not convert farmland to nonagricultural use. Thus, the proposed action is not expected to have an impact on agricultural or forestry resources. Based on aerial and site visit photographs, there has been previous, significant site modification including fill and development for the existing fenced-in WWTP facility and none of the proposed action activities will occur in wetlands. Therefore, the proposed action is not expected to have an impact on aquacultural resources. Overall, the Subject Property consists of the Fairmont WWTP facility and an access road. It is not used for agriculture, aquaculture or forestry and, thus, the proposed action is not expected to have an impact on agricultural, aquacultural or forestry resources. The proposed action will be completed in accordance 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 *Town of Fairmont WWTP Improvements Project CEST ERR* when received from the permitting agencies. Thus, the proposed action will not have an effect on agricultural, aquacultural 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 wetlands located on the Subject Property, the proposed action area (WWTP components) is not located in a wetland. There are USFWS National Wetlands Inventory NWI-mapped palustrine forested wetlands (PF01/4C) located on the Subject Property. The NWI map shows the WWTP facility mostly located outside of wetlands, a small office building in the southwest corner of the parcel and portions of the chain link fencing in wetlands, and the effluent pump station and entrance gate wholly located in wetlands. The effluent pump station improvements are the *only* proposed action activities located in *NWI-mapped* wetlands. An estimated 5.32 acres of the parcel contain wetlands but will *not* be impacted by the proposed action. Based on aerial and site visit photographs, there has been previous, significant site modification including fill and development for the existing fenced-in WWTP facility and *none* of the proposed action activities will occur in wetlands. USACE and NC DEQ DWR determined that a PCN and CWA Section 404 or 401 permits are *not* required for the proposed action. The work will take place in uplands within the existing operational plant and will *not* impact wetlands or Waters of the U.S. (See **Appendix 1.**)

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. A local floodplain development permit will be obtained. USACE and NC DEQ DWR determined that a PCN and CWA Section 404 or 401 permits are *not* required for the proposed action. 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 proposed action will disturb 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 14: SCH Draft CEST Comments in the Town of Fairmont WWTP Improvements Project CEST ERR*). All necessary permits will be identified and obtained prior to commencing work and appended to the *Town of Fairmont WWTP Improvements Project CEST 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 the proposed improvements and operation as a municipal WWTP facility.

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 Hurricane Matthew (October 8, 2016). The Fairmont WWTP was weakened by the Hurricane Matthew storm event resulting in less than optimum performance. During the Hurricane Matthew storm event, flood waters inundated the plant to the point where the generator stack melted and fell off. The objective is to make the plant more durable and more capable of handling excess waste water during future storm events. The elevation of the effluent pump station will ensure that it can continue to pump during future storm events. When the effluent pump station flooded during past storms, it prevented the WWTP from unloading the end product into the river. Elevating the effluent pump station will mitigate future damage, overflows, and unexpected downtime at the plant. The plant is approximately 23 years old and many of the parts needed to keep the WWTP going were damaged during the storm and are in need of replacement. Also, the floodwaters from the City of Lumberton flowed into Fairmont and Fair Bluff. The Town's drainage canals sustained major flooding, downed trees, and debris buildup. During normal storm conditions, storm water has little impact on the WWTP. During the Hurricane Matthew storm event, massive amounts of large objects entered the waste water driven by the storm to the point that the plant could not keep up with the overload and the bar screen teeth ended up being stripped. The bar screen is a mechanical filter that is used in a plant to remove large objects such as rags, and plastics. Operating the WWTP with stripped teeth can result in a major shutdown of the plant. Replacement of these parts will allow better response time in the event they are damaged during a future storm. Currently, the WWTP is operating at reduced effectiveness, the Town has to send out for parts to be made; but after replacement, the newer parts can be replaced and repaired more readily and at a greatly reduced cost. The inflow and infiltration from storm waters from all of the Fairmont WWTP partners including Fairmont, Fair Bluff, Proctorville, Orrum Middle School, Boardman, and Cerro Gordo were sent to the Town's WWTP facility, overworking the components of the plant and resulting in irregularities and major breakdowns. All of the proposed activities will make the WWTP more resilient in face of a future storm event. As a result of this proposed action, the Town will be able to continue treating waste water for its citizens and partners especially during future storm events. This proposed action is discussed during each Town Board meeting and the meeting minutes are available on the Town's website. The community supports any Town effort that would avoid passing on excess costs to them in the form of user fees.

It is critical for public health and safety that the Fairmont WWTP is capable of processing waste water especially during future storm events. The Town's citizens and partners reliant on the functioning of the plant would not have an alternative for its waste water treatment. In the absence of effective waste water treatment, threats to public safety arising from lack of optimal processing capability are of main concern to the Town, its partners and customers, and the greater community. Improving this critical infrastructure will ensure that sewage treatment may continue at an optimal level and alleviate severe threats to public welfare during and after future storm events. Further, the proposed activities have been designed to minimize impacts to wetlands and 100-year floodplain. Therefore, the proposed action should not increase impacts on public health and safety but rather aims to rehabilitate a storm-damaged municipal waste water treatment plant which serves an important purpose for the Town, its partners and customers, and the greater community.

The proposed action will not increase demand for water. The proposed action area is a fenced-in municipal WWTP facility. According to comments from the NC DEQ DWR's PWS section, this proposed action "doesn't appear to affect a public water system but note proper backflow for any cross connections should be installed. If any water lines will be constructed or relocated for this project, plan approval is required." Plans and specifications might need to be submitted and approved for the construction, expansion, or alteration of a public water system per 15A NCAC 18C .0300 et seq. and for any relocation of existing water lines during construction. All public water supply systems must comply with State and federal drinking water monitoring requirements. Abandonment of any wells, if required must be in accordance with Title 15A Subchapter 2C .0100. (See **Attachment 14**: SCH Draft CEST Comments in the *Town of Fairmont WWTP Improvements Project CEST ERR*). 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 will not introduce any new development that would *generate* waste water. Mitigative measures such as silt fencing 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 but rather to prevent it. The proposed action will benefit waste water capability and service in the area. 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 could be required. (See **Attachment 14**: SCH Draft CEST Comments in the *Town of Fairmont WWTP Improvements Project CEST ERR*). The proposed action activities will be completed in accordance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. The proposed action is anticipated to have a beneficial impact on waste water processing capability and service and on *water quality* in the area.

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. A local floodplain development permit will be obtained. USACE and NC DEQ DWR determined that a PCN and CWA Section 404 or 401 permits are *not* required for the proposed action. 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 proposed action will disturb 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 14: SCH Draft CEST Comments in the Town of Fairmont WWTP Improvements Project CEST ERR*). All necessary permits will be identified and obtained prior to commencing work and appended to the *Town of Fairmont WWTP Improvements Project CEST 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 adversely 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. Using the USFWS Raleigh Ecological Services' online 10-step project review process, NCORR made "no effect" determinations for proposed/listed species and/or proposed/designated critical habitat, except for a "not likely to jeopardize species' continued existence" for the proposed Tricolored Bat, and a "no Eagle Act permit required" determination for eagles. The proposed action entails improvements to the existing Town of Fairmont WWTP. The WWTP is situated within a cleared, regularly mowed, fenced-in area with an access road on the Town-owned parcel (action area). 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 action activities will be completed in accordance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. A self-certification letter and online project review certification package were completed and submitted to the USFWS Raleigh Field Office (FO) on February 16, 2024. (*See Attachment 8 in the Town of Fairmont WWTP Improvements Project CEST 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. A local floodplain development permit will be obtained. USACE and NC DEQ DWR determined that a PCN and CWA Section 404 or 401 permits are not required for the proposed action. 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 proposed action will disturb 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 14: SCH Draft CEST Comments in the Town of Fairmont WWTP Improvements Project CEST ERR*). All necessary permits will be identified and obtained prior to commencing work and appended to the *Town of Fairmont WWTP Improvements Project CEST ERR* when received from the permitting agencies. 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 the proposed improvements and operation as a municipal WWTP facility.

Based on the site visit and USACE correspondence, the proposed action area (WWTP components) is *not* located in a wetland. There are USFWS NWI-mapped palustrine forested wetlands (PF01/4C) located on the Subject Property. The NWI map shows the WWTP facility mostly located outside of wetlands, a small office building in the southwest corner of the parcel and portions of the chain link fencing in wetlands, and the effluent pump station and entrance gate wholly located in wetlands. The effluent pump station improvements are the *only* proposed action activities located in *NWI-mapped* wetlands. An estimated 5.32 acres of the parcel contain wetlands but will *not* be impacted by the proposed action. Based on aerial and site visit photographs, there has been previous, significant site modification including fill and development for the existing fenced-in WWTP facility and *none* of the proposed action activities will occur in wetlands. USACE and NC DEQ DWR determined that a PCN and CWA Section 404 or 401 permits are *not* required for the proposed action. The work will take place in uplands within the existing operational plant and will *not* impact wetlands or Waters of the U.S. (*See Appendix 1.*) 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 10.24-acre Town-owned parcel containing the existing Town of Fairmont WWTP facility. The WWTP facility is situated within a cleared, regularly mowed, fenced-in area with an access road. The Subject Property is not ideal for timber or agriculture due to its currently developed land use as a municipal WWTP facility. There has been previous, significant site modification including fill and development for the existing fenced-in Town of Fairmont WWTP facility where activities are planned. It is anticipated that due to the proposed activities and site conditions there will be no trees 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

There are no identifiable costs attributable to wetlands being located on or adjacent to the Subject Property. Further, since the Town currently owns this parcel, no real property acquisition is required. The proposed action is designed to avoid wetlands and minimize impacts to floodplain. Based on aerial and site visit photographs, there has been previous, significant site modification including fill and development for the existing fenced-in WWTP facility and *none* of the proposed activities will occur in wetlands. USACE and NC DEQ DWR determined that a PCN and CWA Section 404 or 401 permits are *not* required for the proposed action. The work will take place in uplands within the existing operational plant and will *not* impact wetlands or Waters of the U.S. Since there is no impact to wetlands, no compensatory mitigation is required.

Wetlands located on or adjacent to the Subject Property will not be adversely impacted by the proposed action. 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. A local floodplain development permit will be obtained. USACE and NC DEQ DWR determined that a PCN and CWA Section 404 or 401 permits are *not* required for the proposed action. 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 proposed action will disturb 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 14: SCH Draft CEST Comments in the Town of Fairmont WWTP Improvements Project CEST ERR*). All necessary permits will be identified and obtained prior to commencing work and appended to the *Town of Fairmont WWTP Improvements Project CEST 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 the proposed improvements and operation as a municipal WWTP facility.

Other Uses of Wetland in the Public Interest, Including Recreational, Scientific, and Cultural Uses

The proposed action will have no identifiable impact on the recreational, scientific, or cultural uses of on- or offsite wetlands. The proposed action is designed to avoid wetlands. There is no work outside of the current footprint of the plant or the plant components. The proposed action involves improvements to existing structures at the Fairmont WWTP facility. These improvements include elevation and associated improvements to the *effluent pump station*, rebuild or removal and replacement of *mechanical bar screen* and associated improvements, removal and replacement of three *blower control panels*, *elevated access walkway* improvements and the existing *hydraulic power pack unit* for the ram press will be removed and relocated and/or replaced along with all hydraulic hoses and wiring modifications.

The parcel contains a Town-owned municipal WWTP and is not used for recreational purposes. This proposed action does not involve acquisition of undeveloped land or conversion of land from one use to another. As part of the 24 CFR 58 environmental review, the NC SHPO was consulted regarding any historic, culturally significant, or tribal resources in the area that could be affected by the proposed action. On March 12, 2024, the SHPO responded that the proposed action will have no effect on historic resources. The SHPO documentation is included in the *Town of Fairmont WWTP Improvements Project CEST ERR*. The proposed action involves improvements to an existing WWTP with the only ground disturbance limited to the elevation of the existing wet well and electrical control panel which would add approximately 350 – 400 cy of fill at the wet well and make a smooth transition back to existing grade. There is no new construction and ground disturbance will be limited to the elevation and related grading in previously disturbed areas. Thus, the Catawba Indian Nation is not being consulted to help identify historic properties in the proposed project area that may have religious and cultural significance to the Nation. The HUD When to Consult with Tribes Under Section 106 Form was completed. The proposed action is in compliance with Section 106. The SHPO Section 106 review and consultation documentation is included in **Attachment 10** of the *Town of Fairmont WWTP Improvements Project CEST ERR*. Thus, due to current land use and conditions, type of project activities, location outside of wetlands, 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 minimize impacts to floodplain, thus, there are none to minimal anticipated impacts on the natural and beneficial functions and values of the 100-year floodplain and wetlands. There is no work proposed outside of the current footprint of the WWTP or the plant's components. The WWTP facility is mostly located within Zone X, an area of minimal flood hazard, outside of SFHA. The effluent pump station improvements are the *only* proposed activities located in 100-year floodplain (Zone AE). Based on aerial and site visit photographs, there has been previous, significant site modification including fill and development for the existing fenced-in WWTP facility and *none* of the proposed activities will occur in wetlands. The work will take place in uplands within the existing operational plant and will *not* impact wetlands or Waters of the U.S. The proposed action 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 ERR when received from the permitting agencies. A local floodplain development permit will be obtained, if 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 proposed action will disturb 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.

Step 6. Reevaluate the Alternatives and Proposed Action.

The proposed action involves rehabilitation, repairs and improvements to the existing Town of Fairmont WWTP's effluent pump station, mechanical bar screen, blower control panels, elevated access walkway, and hydraulic power pack unit. The only ground disturbance will occur at the effluent pump station but is limited to the elevation *in-place* of the existing wet well and electrical control panel which would add approximately 350-400 cubic yards of fill at the wet well and make a smooth transition back to existing grade. Since the proposed action involves improvements to an existing WWTP facility, there is no alternative location where these activities can be performed. Constructing a new WWTP at a different location is unnecessary and cost-prohibitive. Thus, alternative location sites were not evaluated as an option. The proposed action has been designed to avoid wetlands and minimize impacts to floodplain.

The Fairmont WWTP was weakened by the Hurricane Matthew storm event resulting in less than optimum performance. During the Hurricane Matthew storm event, flood waters inundated the plant to the point where the generator stack melted and fell off. The objective is to make the plant more durable and more capable of handling excess waste water during future storm events. The elevation of the effluent pump station will ensure that it can continue to pump during future storm events. When the effluent pump station flooded during past storms, it prevented the WWTP from unloading the end product into the river. Elevating the effluent pump station will mitigate future damage, overflows, and unexpected downtime at the plant. The plant is approximately 23 years old and many of the parts needed to keep the WWTP going were damaged during the storm and are in need of replacement. Also, the floodwaters from the City of Lumberton flowed into Fairmont and Fair Bluff. The Town's drainage canals sustained major flooding, downed trees, and debris buildup. During normal storm conditions, storm water has little impact on the WWTP. During the Hurricane Matthew storm event, massive amounts of large objects entered the waste water driven by the storm to the point that the plant could not keep up with the overload and the bar screen teeth ended up being stripped. The bar screen is a mechanical filter that is used in a plant to remove large objects such as rags, and plastics. Operating the WWTP with stripped teeth can result in a major shutdown of the plant. Replacement of these parts will allow better response time in the event they are damaged during a future storm. Currently, the WWTP is operating at reduced effectiveness, the Town has to send out for parts to be made; but after replacement, the newer parts can be replaced and repaired more readily and at a greatly reduced cost. The inflow and infiltration from storm waters from all of the Fairmont WWTP partners including Fairmont, Fair Bluff, Proctorville, Orrum Middle School, Boardman, and Cerro Gordo were sent to the Town's WWTP facility, overworking the components of the plant and resulting in irregularities and major breakdowns. All of the proposed activities will make the WWTP more resilient in face of a future storm event. As a result of this proposed action, the Town will be able to continue treating waste water for its citizens and partners especially during future storm events. This proposed action is discussed during each Town Board meeting and the meeting minutes are available on the Town's website. The community supports any Town effort that would avoid passing on excess costs to them in the form of user fees.

The “No Action” Alternative is not considered feasible since the Town’s citizens and partners reliant on the functioning of the plant would not have an alternative for its waste water treatment. In the absence of effective waste water treatment, threats to public safety arising from lack of optimal processing capability are of main concern the Town, its partners and customers, and the greater community. Improving this critical infrastructure will ensure that sewage treatment may continue at an optimal level and alleviate severe threats to public welfare during and after future storm events. Further, the proposed activities have been designed to minimize impacts to wetlands and 100-year floodplain. There is no identifiable benefit from not completing the proposed action. Therefore, the “No Action” Alternative examined is not considered desirable and the proposed action is still practicable in light of any potential impacts on the floodplain and wetlands.

Step 7. Issue Findings and Public Explanation - Inapplicable.

Step 8. Continuing Responsibility of Responsible Entity & Recipient.

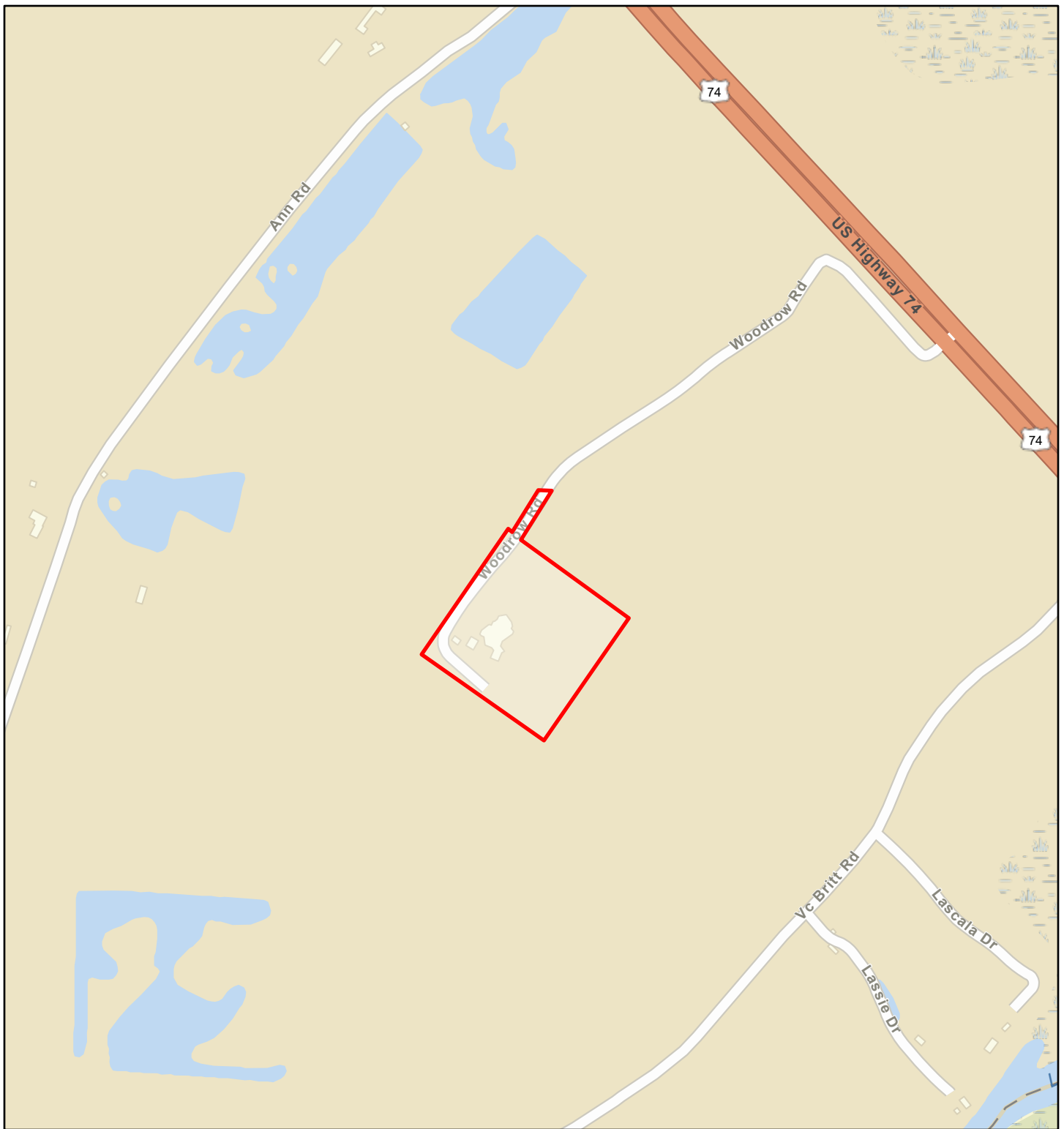
NCORR is the responsible entity and will provide educational materials, when available. It is acknowledged there is a continuing responsibility by the responsible entity to ensure, to the extent feasible and necessary, compliance with the Steps herein.

APPENDIX 1

- **Proposed Project Location Maps, County Parcel Data, and Site Plans and FEMA FIRMettes and Preliminary FIRM Showing Parcel Boundary, Zone X Estimated Total Acreage, and NFIP Community Status Book Report**
- **USFWS National Wetlands Inventory (NWI) Maps Showing Parcel Boundary and Estimated Total Acreage**
- **USACE Correspondence with No Wetland Impact/ No Permit Required Determination Email**

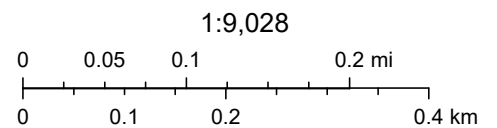
**Proposed Project Location Maps, County
Parcel Data, and Site Plans**

Town of Fairmont WWTP Improvements - Street Map



February 13, 2024

 Fairmont WWTP



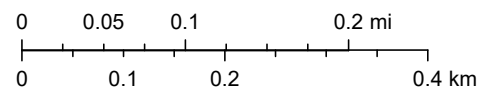
Town of Fairmont WWTP Improvements - Aerial Map



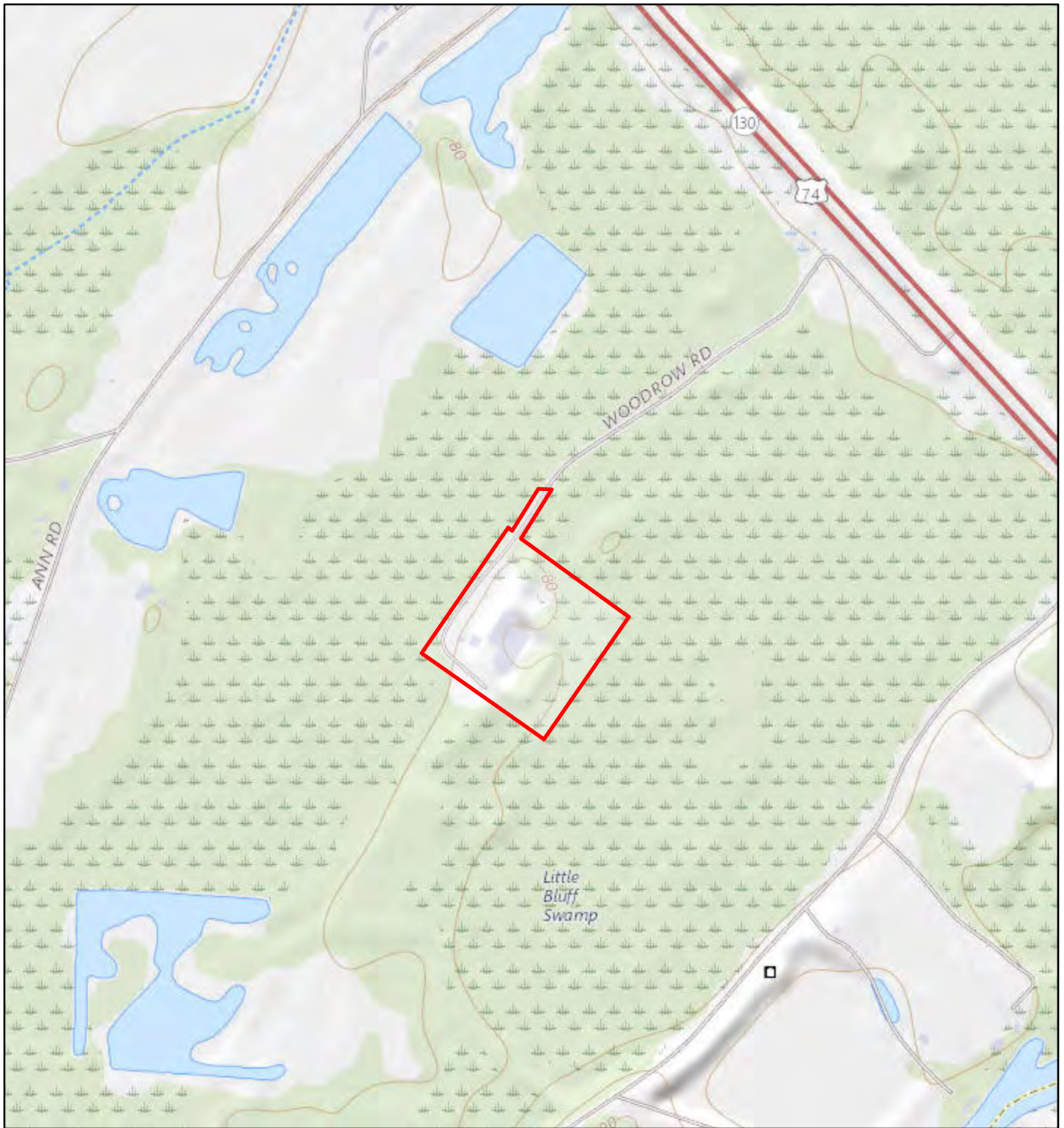
February 13, 2024

 Fairmont WWTP

1:9,028



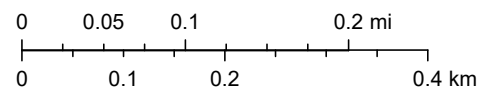
Town of Fairmont WWTP Improvements - Topo Map



February 13, 2024

 Fairmont WWTP

1:9,028



USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S.



Robeson County Government

PROPERTY REPORT - PRINT

Property Owner TOWN OF FAIRMONT	Owner's Mailing Address , , 0	Property Location Address 133 WOODROW RD
Administrative Data Parcel Ref No. 12160101703B PIN 020582915800 Account No. 46757027 Tax District ORRUM FIRE Land Use Code E-70 Land Use Desc RP LOCAL GOVT. (TWP & BD) Subdiv Code Subdiv Desc Neighborhood 12001	Administrative Data Legal Desc AC W OF SR 2245 Deed Bk/Pg / Plat Bk/Pg / Sales Information Grantor Sold Date 0--0 Sold Amount \$ 0	Valuation Information Market Value \$ 326,600 Market Value - Land and all permanent improvements, if any, effective January 1, 2010, date of County's most recent General Reappraisal Assessed Value \$ 326,600 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 10.24 Tax District Note Present-Use Info

Improvement Detail

(1st Major Improvement on Subject Parcel)

Year Built	2001
Built Use/Style	OFFICE/WAREHOUSE
Current Use	C /
* Percent Complete	100
Heated Area (S/F)	1,462
** 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	001

* 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 \$

287,700

** Improvement Assessed Value \$

287,700

* 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) \$

38,900

Land Present-Use Value (PUV) \$ **

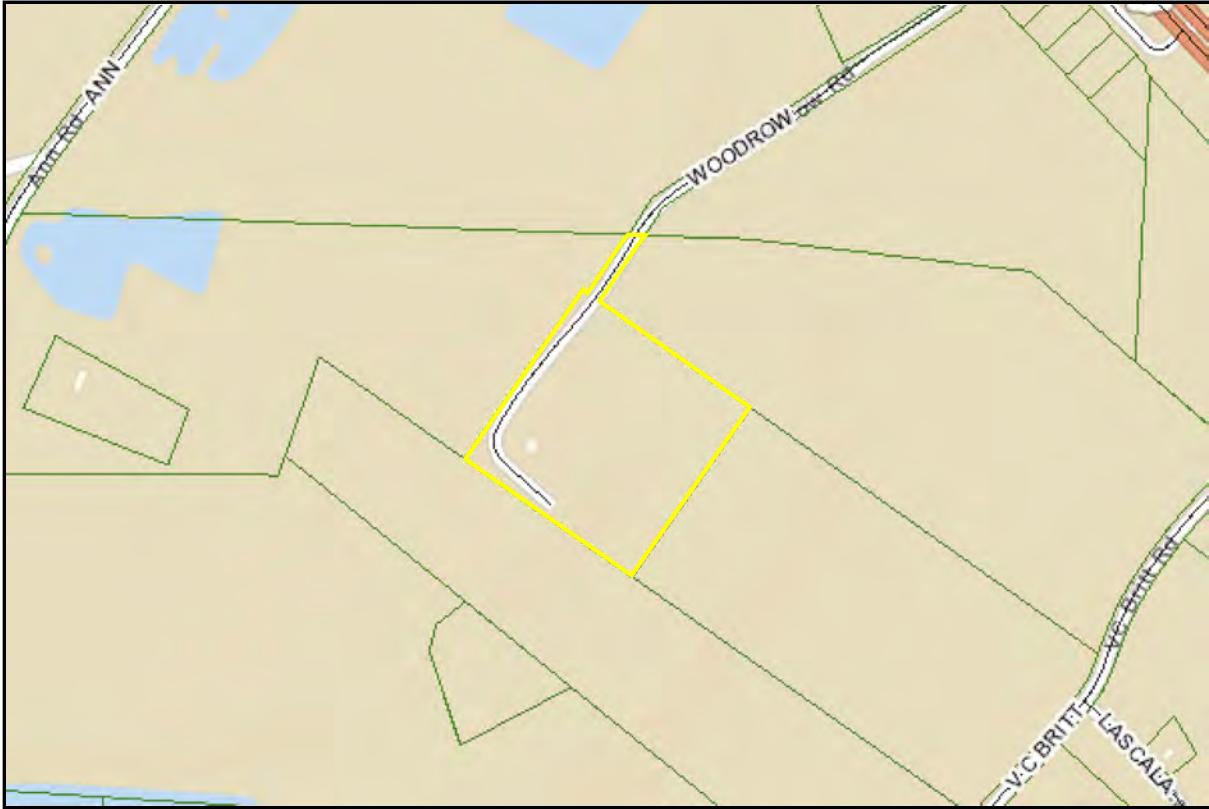
38,900

Land Total Assessed Value \$

38,900

** Note: If PUV equal LMV then parcel **has not** qualified for present use program

County of Robeson, NC



MAPNO	12160101703B
PIN_NUMBER	020582915800
PARCELTYPE	Base Parcel
CONFLICTNOTATION	
DEEDEDACRES	10.23999977
OWNERTYPE	null
STATUS	null
OLDMAPNO	1216-01-01703B
NUMMOD	null
LOT	null
NBHD_CODE	12001
TAX_YEAR	2023
PAR_CODE	
MAP	0205
SUBMAP	
BLOCK	82
PARCEL	9158
SUBPARCEL	00
PHYLOCAT	56104
CITYCODE	
ROUTENUM	0
OWNERID	46757027
CUROWNID	46757027

OWNAM1	TOWN OF FAIRMONT
OWNAM2	
OWNAM3	
OWADR1	
OWADR2	
OWADR3	
OWADR4	
OWCITY	
OWSTATE	,
OWZIP	0
STNUM	133
STSUFFIX	
STDIR	
STNAME	WOODROW
STTYPE	RD
STDIRSUF	
UNITNO	
DEEDACRE	10.24
MAPACRE	10.24
DISTCODE	34
TOWNCODE	12
PARDESC3	
PARDESC1	E-70
NBHCLASS	
NBHCODE	12001
EXEMCODE	E70
DEEDBOOK	
DEEDPAGE	
DEEDYEAR	0
PLATBOOK	
PLATPAGE	
DATESOLD	0
LEGDESC1	AC W OF SR 2245
LEGDESC2	
LEGDESC3	
PARDESC4	
GROUPPAR	020582915800
REQREVIEW	
PHYSTRADR	133 WOODROW RD
SCHCODE	0
AREACODE	1
LNDASVCUR	38900
IMPASVCUR	287700
QUALCODE	

RECTYPE	null
SALEAMT	0
SALEINST	
DEEDSTMP	0

**Fairmont WWTP Sludge Removal & Disposal - Robeson County, NC
WWTP Layout Map**

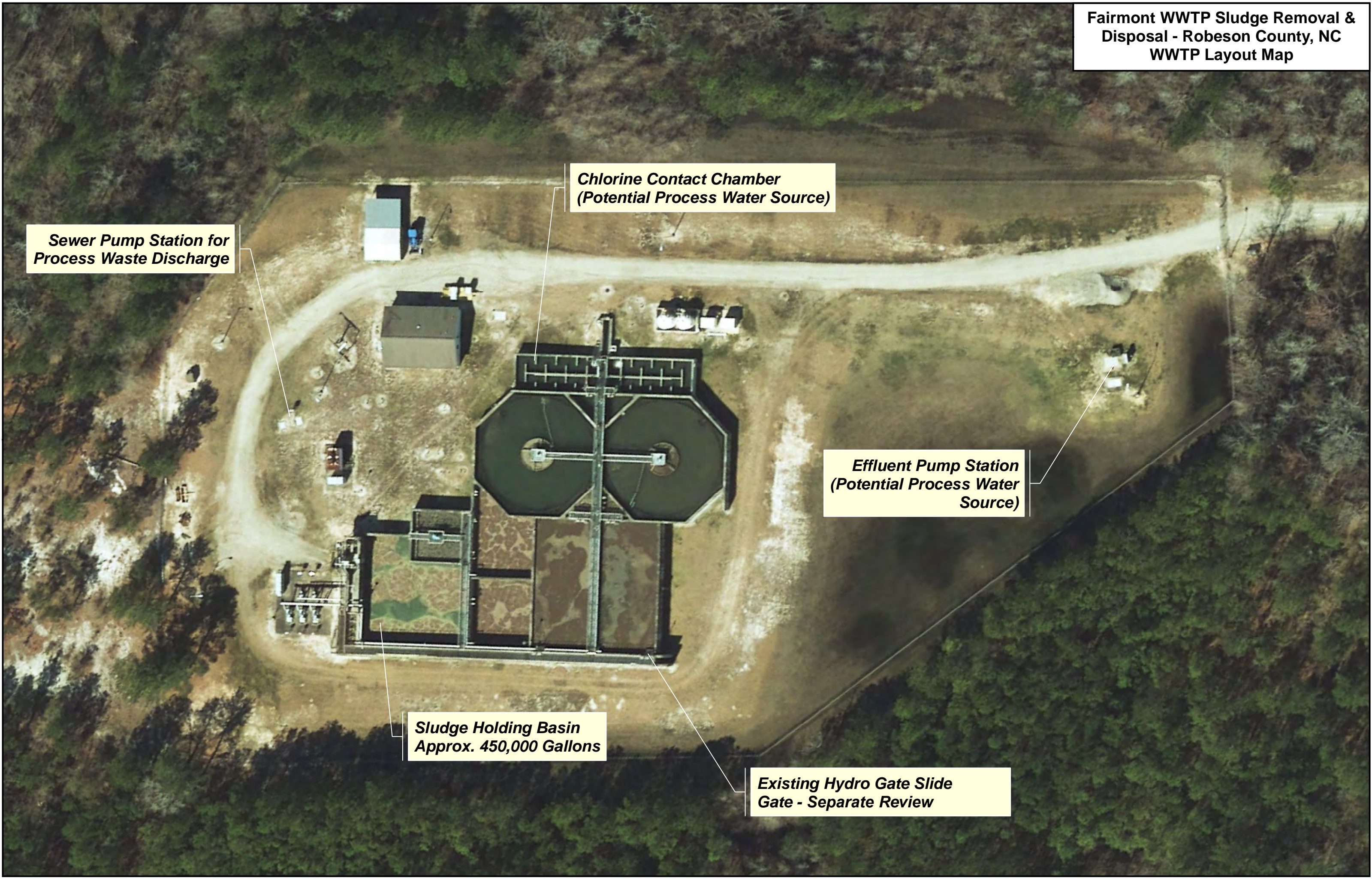
**Sewer Pump Station for
Process Waste Discharge**

**Chlorine Contact Chamber
(Potential Process Water Source)**

**Effluent Pump Station
(Potential Process Water
Source)**

**Sludge Holding Basin
Approx. 450,000 Gallons**

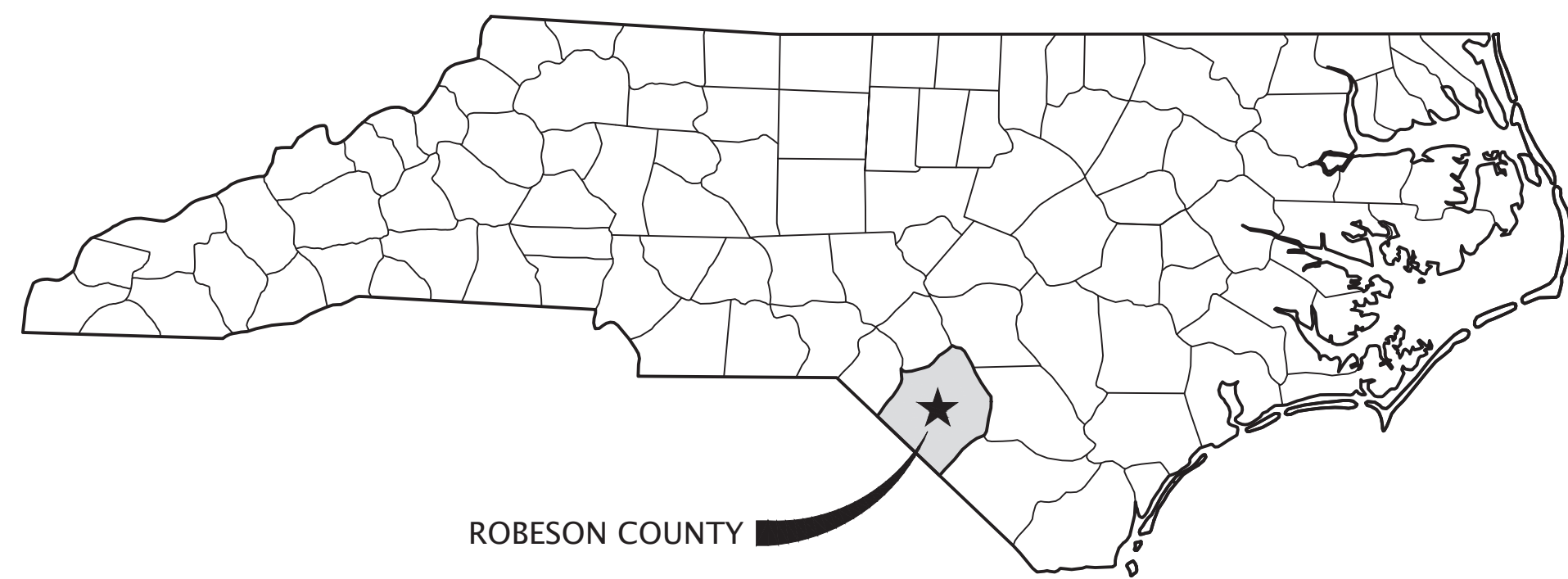
**Existing Hydro Gate Slide
Gate - Separate Review**



WASTEWATER TREATMENT PLANT IMPROVEMENTS - TOWN OF FAIRMONT

FOR ROBESON COUNTY

ROBESON COUNTY, NORTH CAROLINA



ROBESON COUNTY

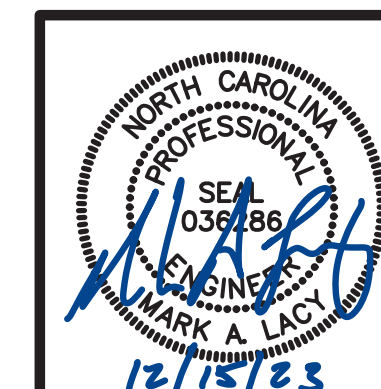
COUNTY LOCATION MAP

NTS

BOARD OF COMMISSIONERS

CHAIRMAN	-	TOM TAYLOR
VICE CHAIRMAN	-	JOHN CUMMINGS
COMMISSIONER	-	WIXIE STEPHENS
COMMISSIONER	-	PAULINE CAMPBELL
COMMISSIONER	-	FALINE LOCKLEAR DIAL
COMMISSIONER	-	JUDY SAMPSON
COMMISSIONER	-	DAVID EDGE
COMMISSIONER	-	LANCE HERNDON
COUNTY MANAGER	-	KELLIE BLUE
FAIRMONT UTILITIES DIRECTOR	-	RONNIE SEALS

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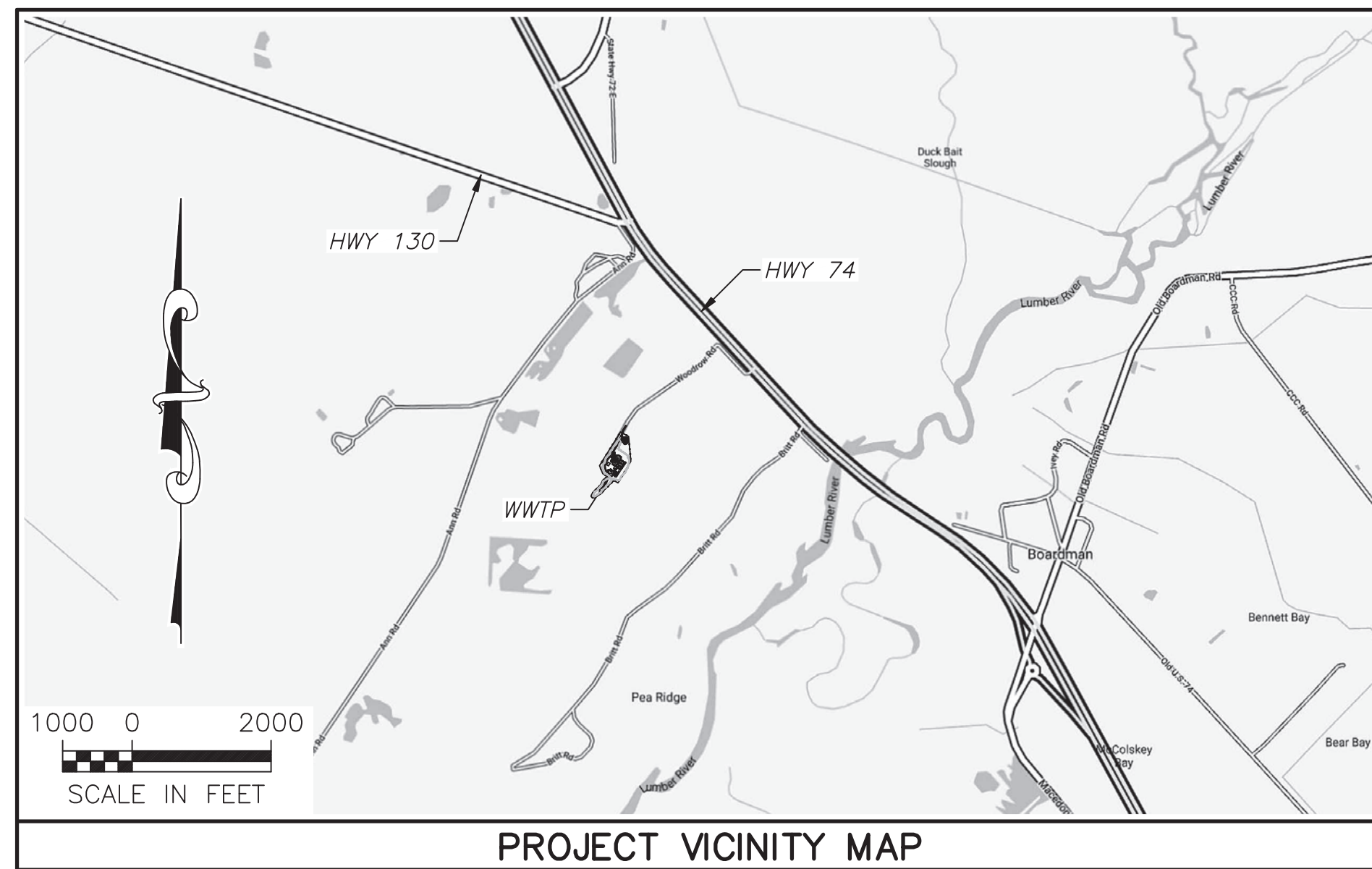
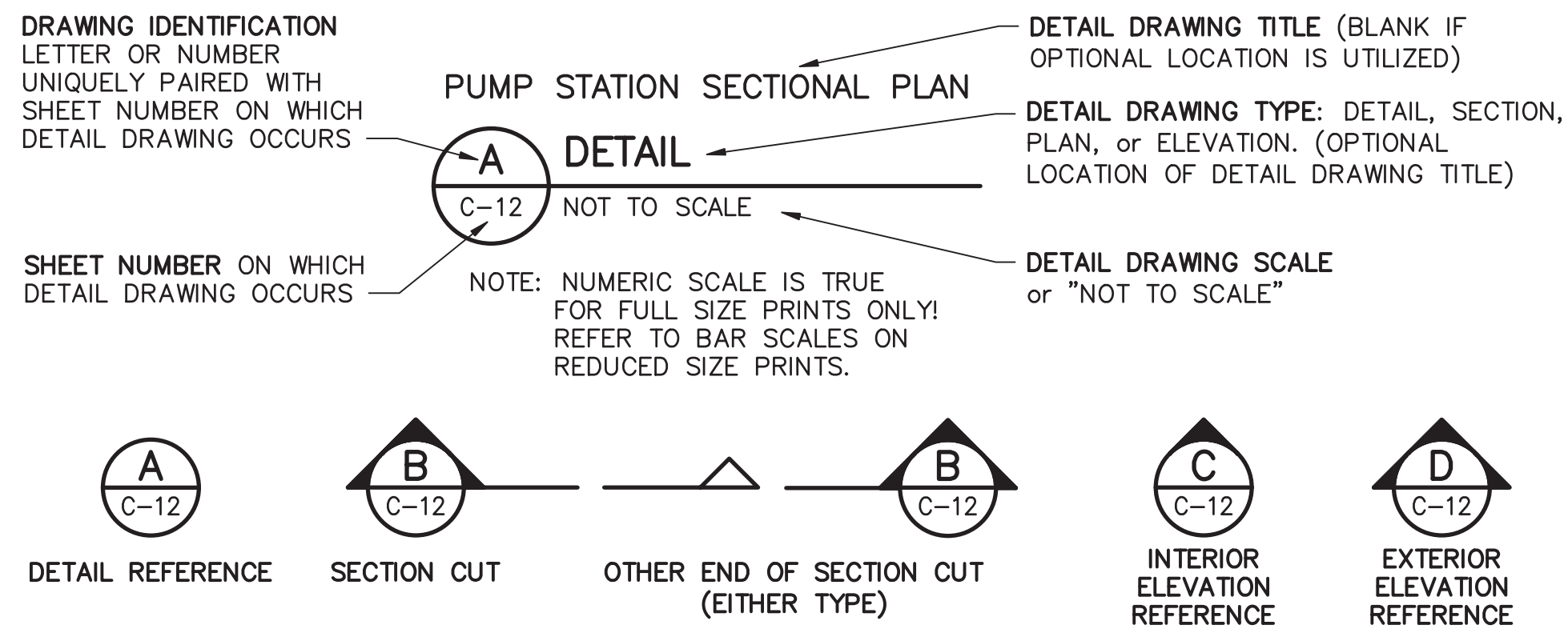
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LEGEND

	EXISTING CHAINLINK FENCE		NEW WATER MAIN
	EXISTING R/W OR PROPERTY BOUNDARY		NEW COMBINATION AIR/VAC RELEASE VALVE
	NEW UTILITY EASEMENT		NEW GATE VALVE
	NEW SANITARY SEWER AND MANHOLE		NEW FIRE HYDRANT ASSEMBLY
	NEW UTILITY EASEMENT		NEW PLUG
	NEW TEMPORARY UTILITY EASEMENT		NEW TEE
	EXISTING FORCE MAIN		NEW 90° BEND
	EXISTING SEWER CLEANOUT		NEW 45° BEND
	EXISTING SANITARY SEWER AND MANHOLE		
	EXISTING WOODS LINE		
	NEW LIMIT OF CLEARING		
	EXISTING BUILDING		
	EXISTING ASPHALT ROAD/DRIVE		
	EXISTING GRAVEL DRIVE		
	TEMPORARY CONSTRUCTION ENTRANCE		
	EXISTING RIPRAP		
	EXISTING DRAINAGE CULVERT		
	EXISTING WATER MAIN		
	EXISTING NATURAL GAS PIPELINE		
	EXISTING DITCH/STREAM FLOWLINE		
	EXISTING FIRE HYDRANT		
	EXISTING WATER VALVE		
	EXISTING WATER METER		
	EXISTING LIGHT POLE		
	EXISTING POWER POLE		
	EXISTING TELEPHONE POLE		
	EXISTING GUYWIRE		
	EXISTING TELEPHONE PEDESTAL		
	EXISTING IRON PIN		
	EXISTING RIGHT-OF-WAY MONUMENT		
	SURVEY TRAVERSE NAIL		
	EXISTING BORE LOCATION		
	EXISTING FIBER-OPTIC MARKER		
	EXISTING UNDERGROUND FIBER OPTIC CABLE		
	SILT FENCE AND OUTLET		
	TEMPORARY DIVERSION SWALE		
	ENKA MAT SLOPE/SWALE PROTECTION		

DRAWING REFERENCE SYMBOL LEGEND



Sheet List Table

Sheet Number	Sheet Title
General	
G.1	Cover
G.2	Sheet Index
Civil	
C.1	Overall Site Plan
C.2	Existing Pump Station Site And Proposed Grading Plan (Bid Alternate #1)
C.3	Existing Pump Station Plans (Bid Alternate #1)
C.4	Proposed Pump Station Plans (Bid Alternate #1)
C.5	Pump Station Profiles (Bid Alternate #1)
C.6	Existing Headworks And Blowers Site Plan
C.7	Existing Bar Screen Plan And Profile
C.8	Proposed Headworks Modifications

ABBREVIATIONS, ACRONYMS, AND SYMBOLS

&	AND	CFM	CUBIC FEET PER MINUTE	F.F.E.	FINISH FLOOR ELEVATION	LAB	LABORATORY	PSI	POUNDS PER SQUARE INCH	STD	STANDARD
@	AT	CHAM.	CHAMFER	FAB.	FABRIC, FABRICATION	LB./LBS.	POUND/POUNDS	PVC	POLYVINYL CHLORIDE	STL.	STEEL
<	LESS THAN	CHAN.	CHANNEL	FIG.	FIGURE	MAS.	MASONRY	QTY.	QUANTITY	STRUCT.	STRUCTURAL
<=	LESS THAN OR EQUAL TO	CHEM.	CHEMICAL	FL	FLOWLINE	MATL	MATERIAL	R	RADIUS	SUPT.	SUPPORT
=	EQUAL(S)	CLR.	CLEAR	FLEX.	FLEXIBLE	MAX.	MAXIMUM	RAS	RETURN ACTIVATED SLUDGE	SW	SOUTHWEST
>	GREATER THAN	CO.	COMPANY	FLG	FLANGE	MCJ	MASONRY CONTROL JOINT	RCP	REINFORCED CONCRETE PIPE	T/	TOP OF
±	PLUS OR MINUS, APPROXIMATELY	COL.	COLUMN	FM	FORCE MAIN	MECH.	MECHANICAL	REBAR	CONCRETE REINFORCING BAR	TCJ	TEMPORARY CONSTRUCTION JOINT
°	DEGREE	CONC.	CONCRETE	FRP	FIBERGLASS REINFORCED PLASTIC	MFR	MANUFACTURER	RED.	REDUC(ER)(ING)	TEMP.	TEMPORARY
A.B.	ANCHOR BOLT	COND.	CONDUIT	FT.	FOOT, FEET	MH	MANHOLE	REF.	REFERENCE	THK.	THICKNESS
A.F.F.	ABOVE FINISHED FLOOR	CONSTR.	CONSTRUCTION	FTG.	FOOTING	MIL	ONE THOUSANDTH	REINF.	REINFORC(E)(ED)(ING)	THR.	THREAD(ED)(S)
ABC	AGGREGATE BASE COURSE	CONT.	CONTINUOUS	GA.	GAUGE	MIN.	MINIMUM	REQ'D	REQUIRED	TOS	TOP OF SLAB
AC.	ACOUSTIC	COORD.	COORDINATE	GAL.	GALLON	MJ	MECHANICAL JOINT	RESTR.	RESTRAIN(ED)(ING)	TOW	TOP OF WALL
ACT.	ACTUAL	CTRD	CENTERED	GALV.	GALVANIZED	MPH	MILES PER HOUR	RJ	RESTRAINED JOINT	TYP.	TYPICAL
ADA	AMERICANS WITH DISABILITIES ACT OF 1990 (U.S.)	€	CENTERLINE	N	NORTH	RPM	REVOLUTIONS PER MINUTE	RW	RECLAIMED WATER	U.L.	UNDERWRITERS LABORATORIES
ADD'L	ADDITIONAL	D	DIAMETER	GFI	GROUND FAULT INTERRUPT	N.C.	NORTH CAROLINA	S	SOUTH, SEWER	UON	UNLESS OTHERWISE NOTED
AFF	ABOVE FINISH FLOOR	D.I.	DUCTILE IRON	GV	GATE VALVE	N.T.S.	NOT TO SCALE	S.S.	STAINLESS STEEL	UV	ULTRAVIOLET
AIR/VAC	AIR RELEASE AND VACUUM RELIEF	D.I.P.	DUCTILE IRON PIPE	H.D.G.	HOT DIP GALVANIZE(D)	N/A	NOT APPLICABLE	S.Y.P.	SOUTHERN YELLOW PINE	V.	VOLT
ALT	ALTERNATE	D.O.T.	DEPARTMENT OF TRANSPORTATION	HDWR.	HARDWARE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	SBR	SEQUENCING BATCH REACTOR	VERT	VERTICAL
ALUM.	ALUMINUM	DIA.	DIAMETER	HEX	HEXAGONAL	NIC	NOT IN CONTRACT	SCFM	STANDARD CUBIC FEET PER MINUTE	VFD	VARIABLE FREQUENCY DRIVE
AMP	AMPERES	HORIZ.	HORIZONTAL	HK	HOOK	NO.	NUMBER	SCH.	SCHEDULE	W	WEST, WATER
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	HP	HIGH POINT	HORIZ.	HORIZONTAL	NOM.	NOMINAL	SD	STORM DRAIN	W/	WITH
ARCH.	ARCHITECTURAL	HR.	HOUR	HT.	HEIGHT	NPT	NATIONAL PIPE THREAD	SDR	STANDARD DIMENSION RATIO	W/O	WITHOUT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	HT.	HEIGHT	HWL	HIGH WATER LEVEL	NW	NORTHWEST	SF	SQUARE FEET	WAS	WASTE ACTIVATED SLUDGE
BF	BLIND FLANGE	HYD.	HYDRANT	HZ	HERTZ	O	OXYGEN	SHT.	SHEET	WL	WATER LEVEL
BFV	BUTTERFLY VALVE	I.D.	INSIDE DIAMETER	INV.	INVERT	Ø	DIAMETER	SHWR	SHOWER	WWF	WELDED WIRE FABRIC
BLDG	BUILDING	O.C.	ON CENTER	JT.	JOINT	O.D.	OUTSIDE DIAMETER	SIM.	SIMILAR	WWTP	WASTEWATER TREATMENT PLANT
BTUH	BRITISH THERMAL UNIT HOUR	OPNG	OPENING	K	KILO, THOUSAND	OPNG	OPENING	SPA	SPACE	XFMR	TRANSFORMER
C.I.P.	CAST-IN-PLACE	OZ	OUNCE	KVA	KILOVOLT-AMPERE	PE	PLAIN END	SPECS	SPECIFICATIONS	YH	YARD HYDRANT
C.M.U.	CONCRETE MASONRY UNIT	PE	PLAIN END	KW	KILOWATT	PLCS	PLACES	SS	STATE ROAD		
C.O.	CLEAN OUT	PLCS	PLACES	L.F.	LINEAR FEET	PSF	POUNDS PER SQUARE FOOT	STA	STATION		
CAP.	CAPACITY	PSF	POUNDS PER SQUARE FOOT								

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Sheet Index

WASTEWATER TREATMENT PLANT IMPROVEMENTS FOR THE TOWN OF FAIRMONT
Robeson County, North Carolina

DATE: December, 2023
DESIGNED: MAL
DRAWN: DJN
CHECKED: MAL
NO.

G.2

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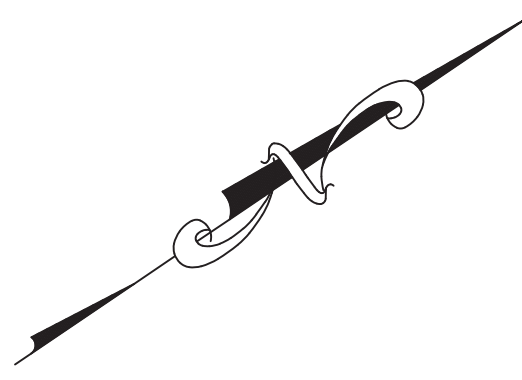
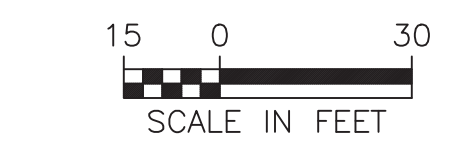
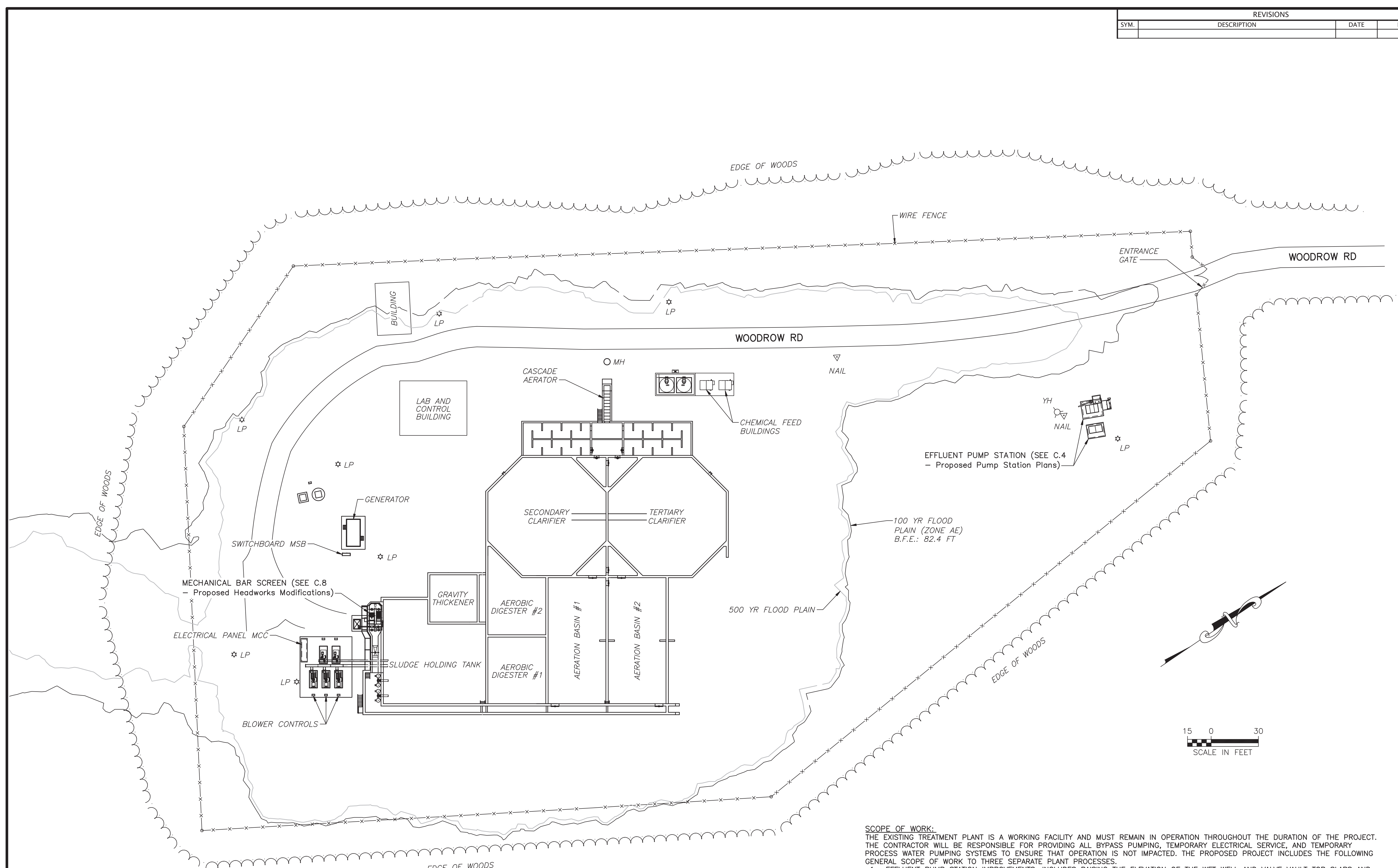


Overall Site Plan

WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

DATE: December, 2023
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 CHECKED: MAL
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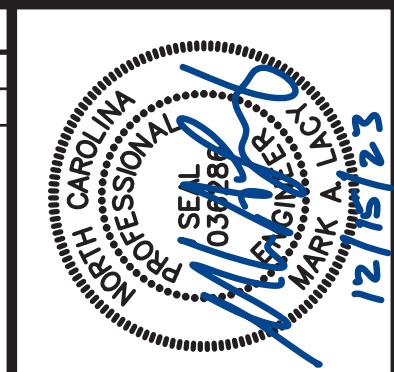
C.1



- SCOPE OF WORK:**
 THE EXISTING TREATMENT PLANT IS A WORKING FACILITY AND MUST REMAIN IN OPERATION THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING ALL BYPASS PUMPING, TEMPORARY ELECTRICAL SERVICE, AND TEMPORARY PROCESS WATER PUMPING SYSTEMS TO ENSURE THAT OPERATION IS NOT IMPACTED. THE PROPOSED PROJECT INCLUDES THE FOLLOWING GENERAL SCOPE OF WORK TO THREE SEPARATE PLANT PROCESSES.
1. EFFLUENT PUMP STATION IMPROVEMENTS: INCLUDES RAISING THE ELEVATION OF THE WET WELL AND VALVE VAULT TOP SLABS AND ACCESS, ADDITION OF A BYPASS PUMP CONNECTION ON THE EXISTING EFFLUENT FORCE MAIN, AND RELOCATION OF EXISTING PUMP CONTROL AND ELECTRICAL COMPONENTS ON AN ELEVATED STRUCTURE. THE WORK WILL INCLUDE ALL OTHER NECESSARY WORK TO PROVIDE A FUNCTIONING SYSTEM INCLUDING REPLACEMENT OF WIRING OR PUMP LEADS AS NEEDED, MODIFICATION OF PUMP REMOVAL SYSTEM, FLOAT CONTROL MODIFICATIONS, NEW CONNECTIONS TO THE WET WELL, AND ALL OTHER ITEMS NECESSARY TO COMPLETE THIS PORTION OF THE WORK.
 2. MECHANICAL BAR SCREEN REHABILITATION OR REPLACEMENT: INCLUDES EITHER THE COMPLETE REBUILD OF THE EXISTING BAR SCREEN, OR REMOVAL AND REPLACEMENT OF THE EXISTING UNIT WITH NEW EQUIPMENT. INCLUDES ALL NECESSARY ELECTRICAL MODIFICATIONS, CONTROL PANEL COMPONENT REPLACEMENT, AND ANY MODIFICATIONS TO EXISTING STRUCTURES REQUIRED.
 3. BLOWER CONTROL PANEL REPLACEMENT: INCLUDES REMOVAL OF THREE EXISTING BLOWER CONTROL UNITS AND REPLACEMENT IN ONE LOCATION WITH NEW ENCLOSURE, AND NEW WEATHER HOOD FOR EACH UNIT.

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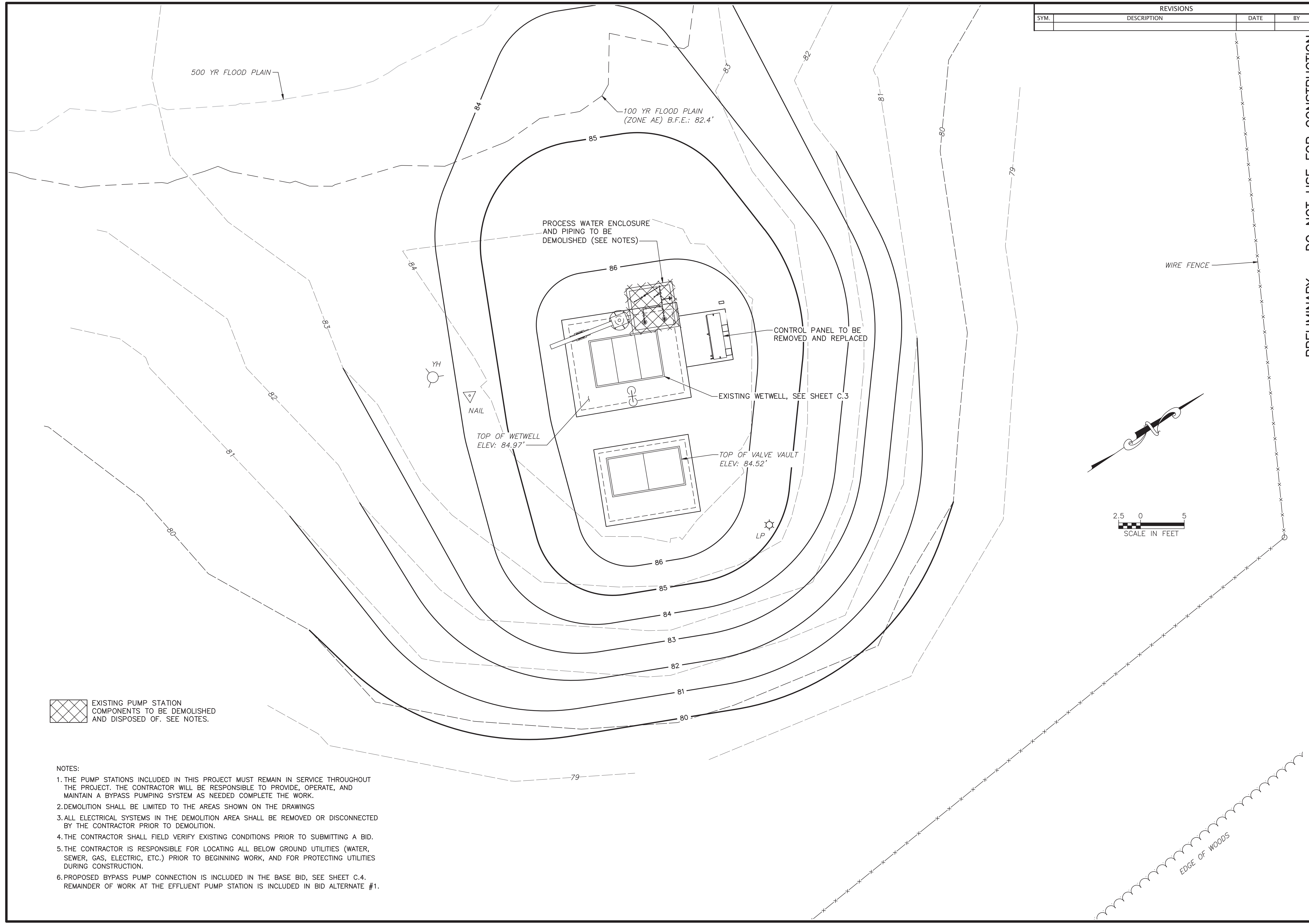


Existing Pump Station
 Site And Proposed
 Grading Plan
 (Bid Alternate #1)

WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

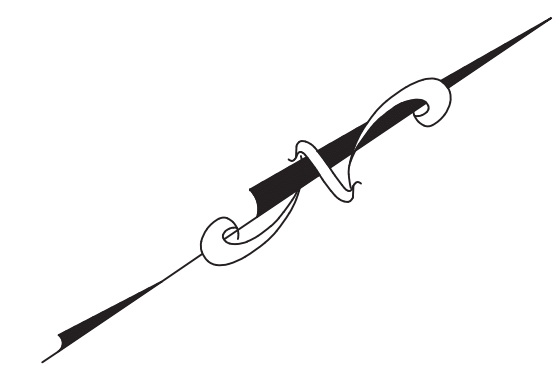
DATE: December, 2023
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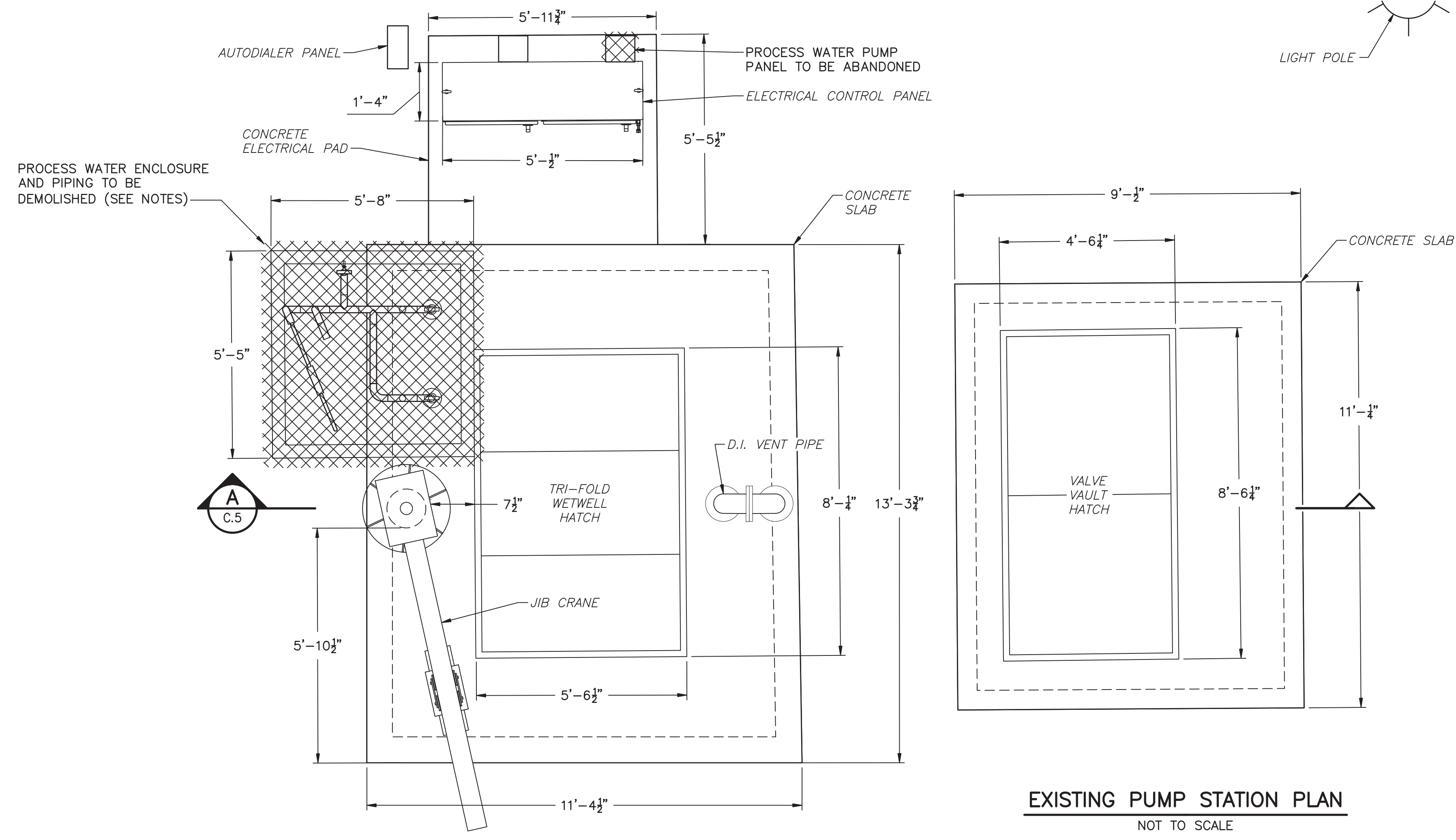


EXISTING PUMP STATION COMPONENTS TO BE DEMOLISHED AND DISPOSED OF. SEE NOTES.

- NOTES:
1. THE PUMP STATIONS INCLUDED IN THIS PROJECT MUST REMAIN IN SERVICE THROUGHOUT THE PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE, OPERATE, AND MAINTAIN A BYPASS PUMPING SYSTEM AS NEEDED COMPLETE THE WORK.
 2. DEMOLITION SHALL BE LIMITED TO THE AREAS SHOWN ON THE DRAWINGS
 3. ALL ELECTRICAL SYSTEMS IN THE DEMOLITION AREA SHALL BE REMOVED OR DISCONNECTED BY THE CONTRACTOR PRIOR TO DEMOLITION.
 4. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING A BID.
 5. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL BELOW GROUND UTILITIES (WATER, SEWER, GAS, ELECTRIC, ETC.) PRIOR TO BEGINNING WORK, AND FOR PROTECTING UTILITIES DURING CONSTRUCTION.
 6. PROPOSED BYPASS PUMP CONNECTION IS INCLUDED IN THE BASE BID, SEE SHEET C.4. REMAINDER OF WORK AT THE EFFLUENT PUMP STATION IS INCLUDED IN BID ALTERNATE #1.



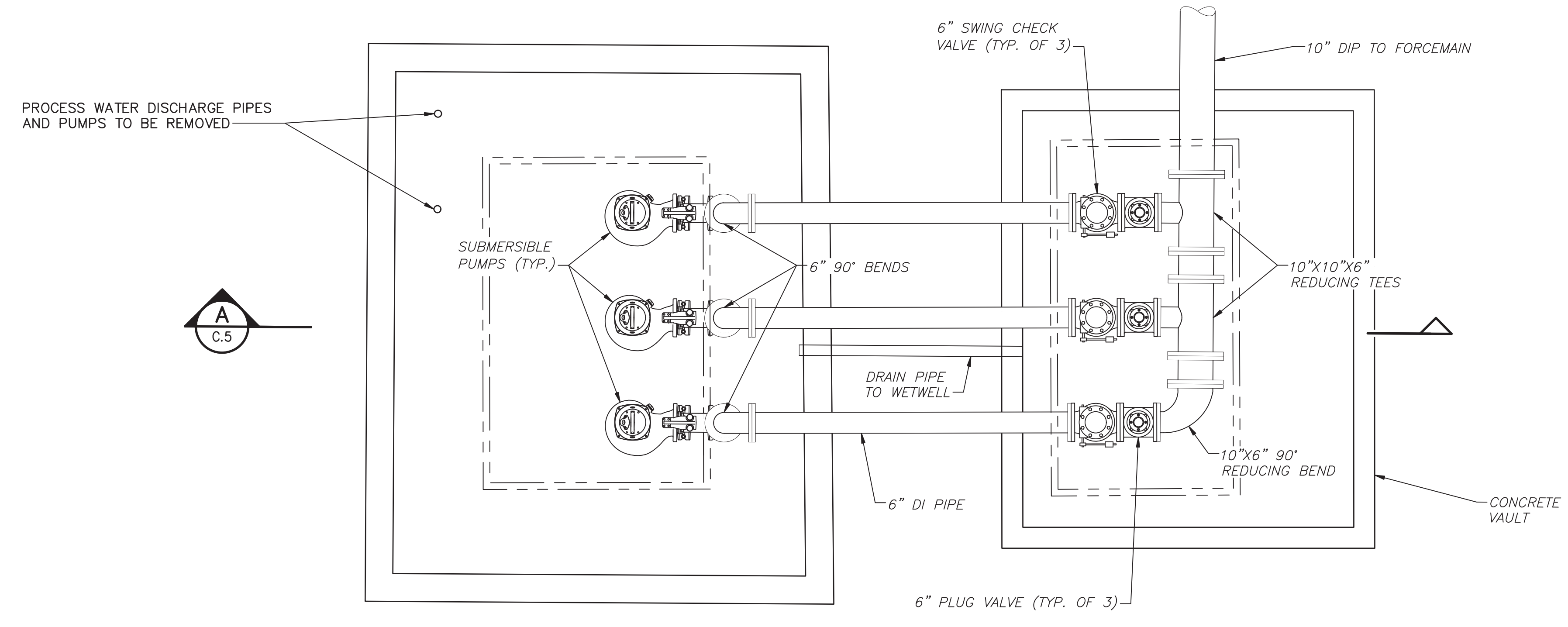
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NOTE:
 CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO BEGINNING WORK. IT IS STRONGLY RECOMMENDED THAT POTENTIAL BIDDERS VISIT THE SITE PRIOR TO SUBMITTING A BID.

GENERAL SCOPE OF WORK / CONSTRUCTION SEQUENCE – EFFLUENT PUMP STATION

1. THE FOLLOWING SCOPE OF WORK IS NOT INTENDED TO BE EXHAUSTIVE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL INCIDENTAL WORK.
2. ADD BYPASS PUMP CONNECTION AND VALVES TO THE EXISTING EFFLUENT FORCEMAIN
3. DEMOLISH EXISTING PROCESS WATER PIPING, VALVES, PUMPS, DROP LEGS, AND ENCLOSURE.
4. SET UP BYPASS PUMPING SYSTEM, REMOVE EXISTING WET WELL & VALVE VAULT TOP SLAB, ADD RISER SECTIONS, REINSTALL TOP SLAB, REPLACE REMOVAL RAILS.
5. REMOVE EXISTING CONTROL PANEL, EXTEND / REPLACE EXISTING CONDUITS, GRADE SITE TO PROPOSED ELEVATION, INSTALL A NEW EQUIPMENT PAD AND REINSTALL EXISTING CONTROL PANEL AND WIRING.



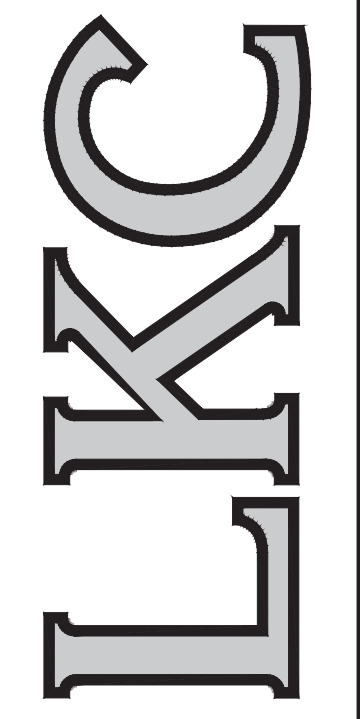
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Existing Pump Station
 Plans
 (Bid Alternate #1)

WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

DATE:	December, 2023
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C.3

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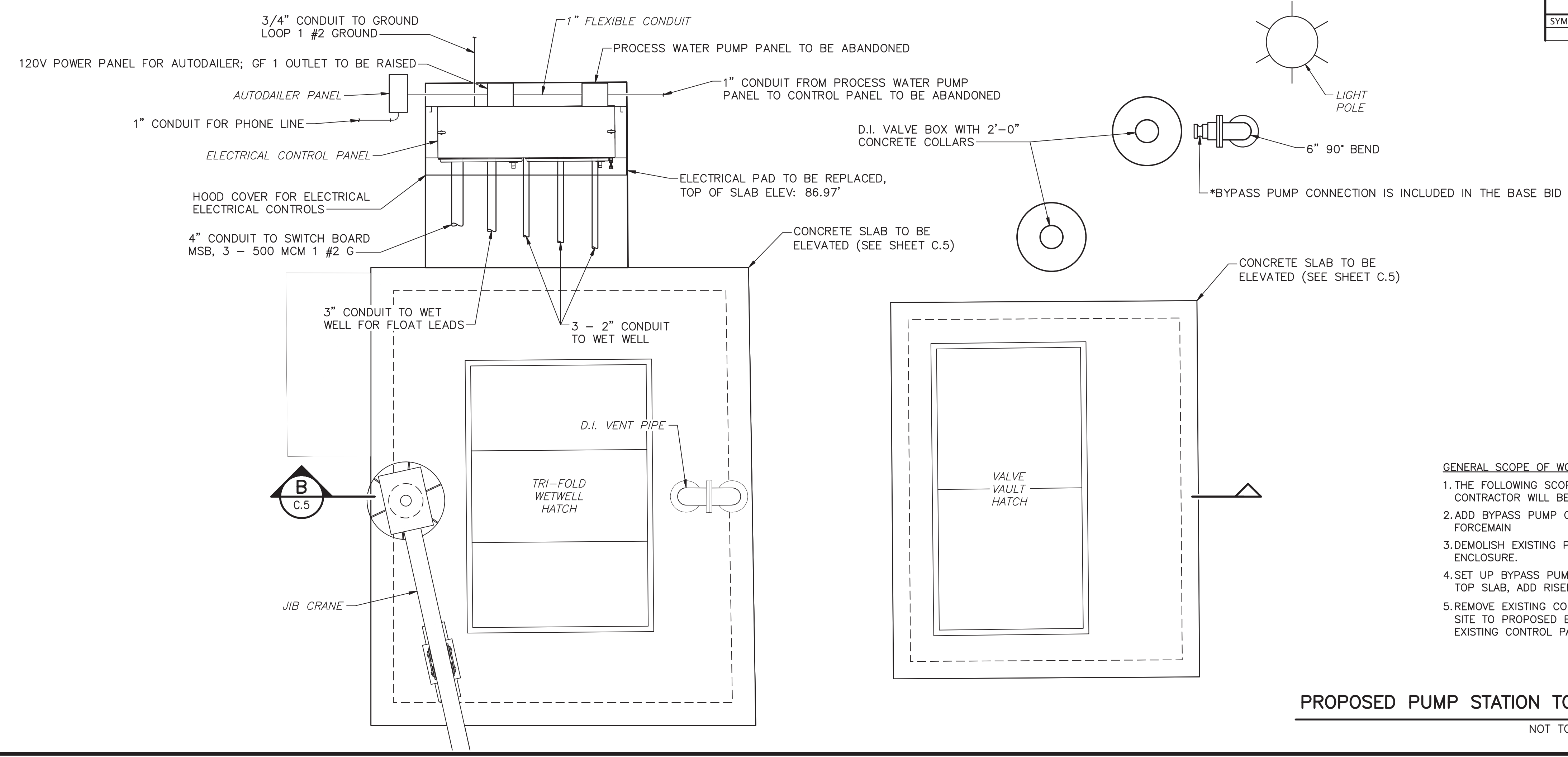
Proposed Pump Station
 Plans
 (Bid Alternate #1)

WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

DATE:	December, 2023
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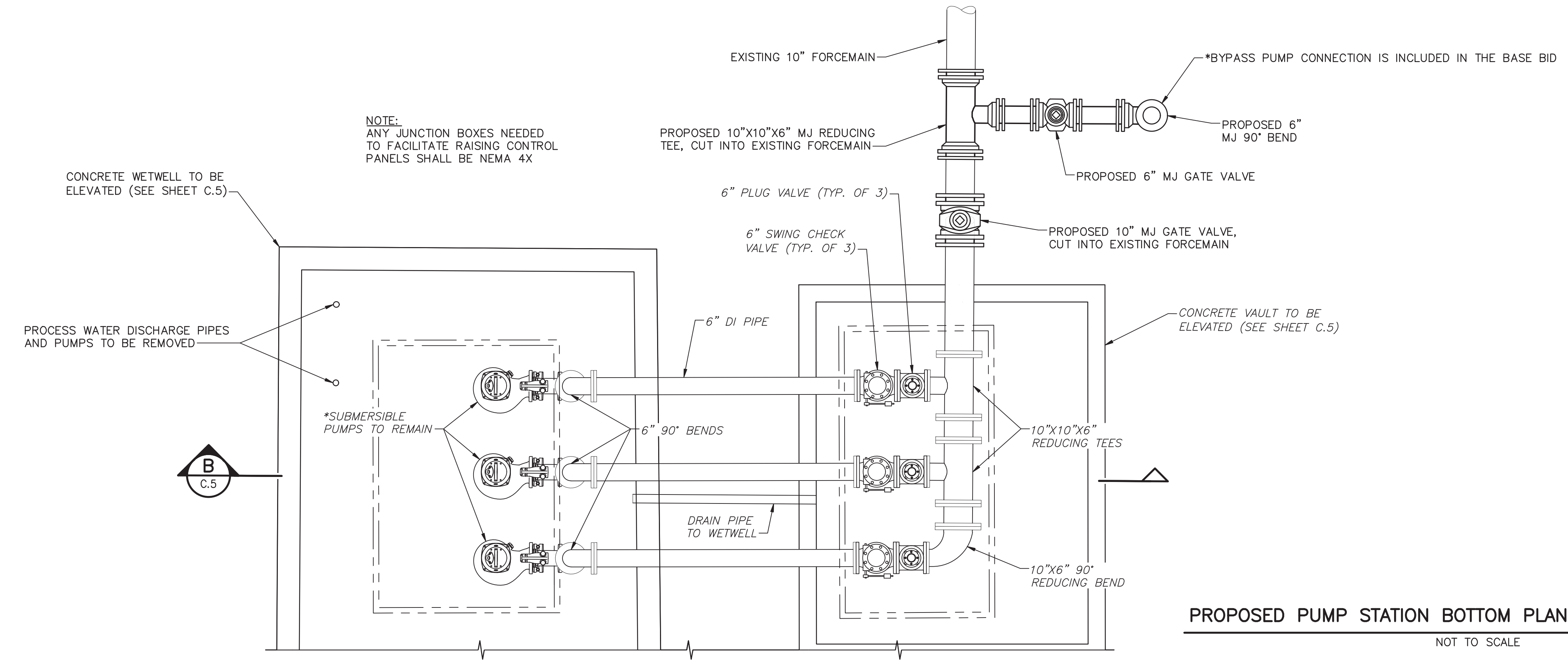
C.4

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- GENERAL SCOPE OF WORK / CONSTRUCTION SEQUENCE - EFFLUENT PUMP STATION**
1. THE FOLLOWING SCOPE OF WORK IS NOT INTENDED TO BE EXHAUSTIVE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL INCIDENTAL WORK.
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 3. DEMOLISH EXISTING PROCESS WATER PIPING, VALVES, PUMPS, DROP LEGS, AND ENCLOSURE.
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 5. REMOVE EXISTING CONTROL PANEL, EXTEND / REPLACE EXISTING CONDUITS, GRADE SITE TO PROPOSED ELEVATION, INSTALL A NEW EQUIPMENT PAD AND REINSTALL EXISTING CONTROL PANEL AND WIRING.

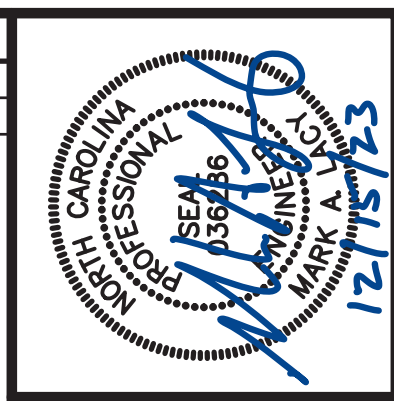
PROPOSED PUMP STATION TOP PLAN (BID ALTERNATE #1)
NOT TO SCALE



PROPOSED PUMP STATION BOTTOM PLAN (BID ALTERNATE #1)
NOT TO SCALE

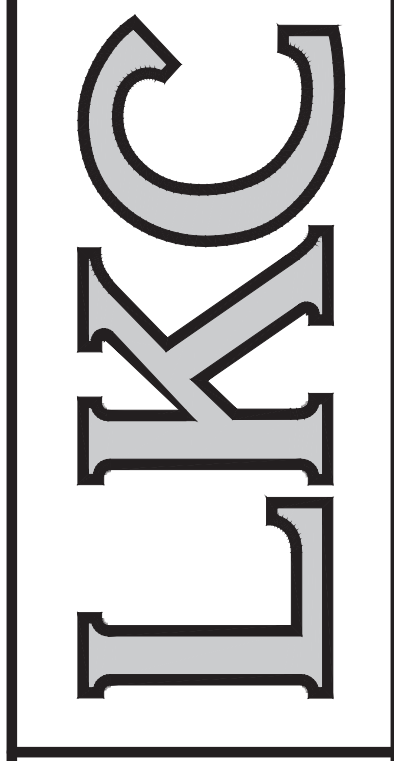
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Pump Station Profiles
 (Bid Alternate #1)

WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

DATE: December, 2023

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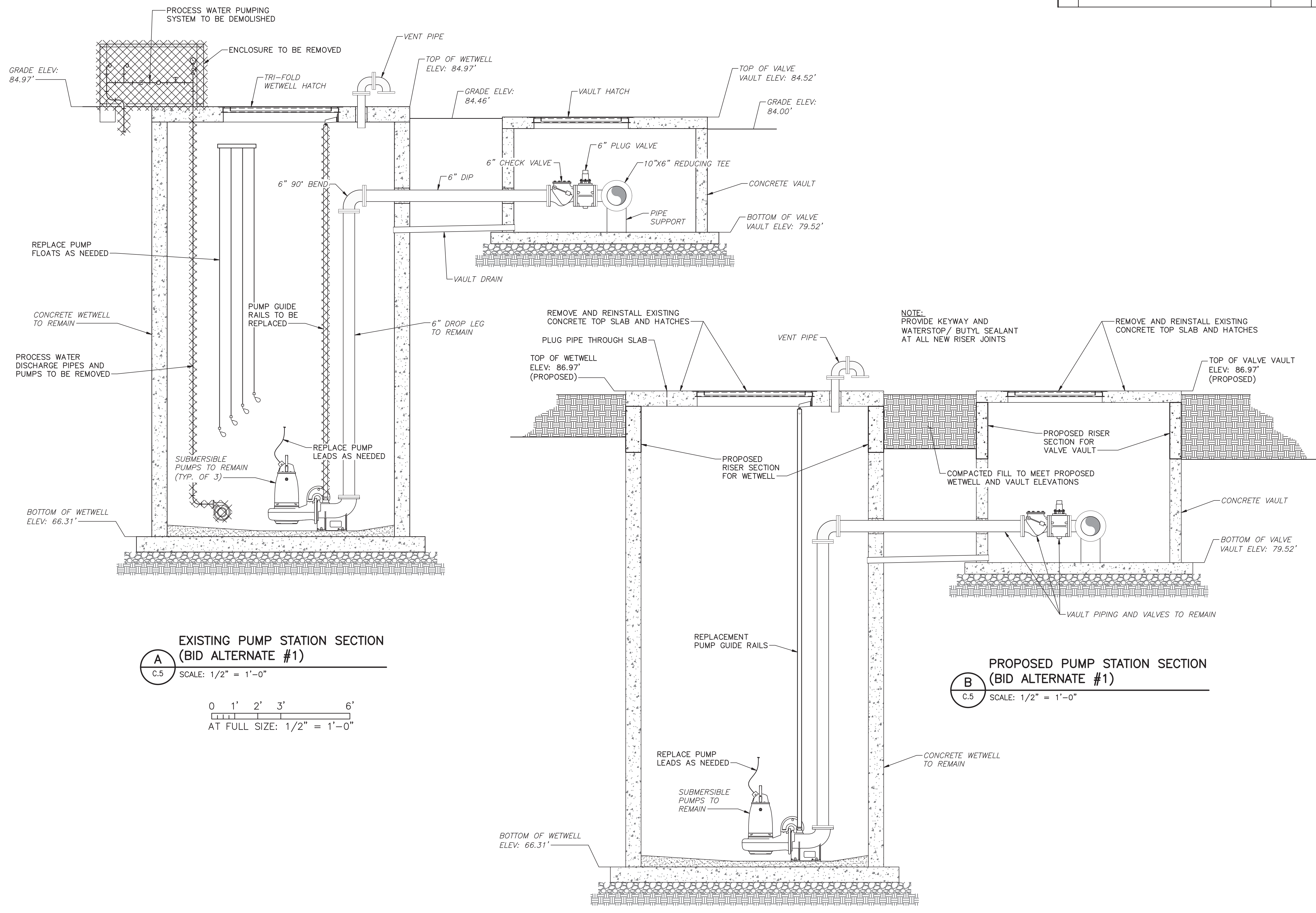
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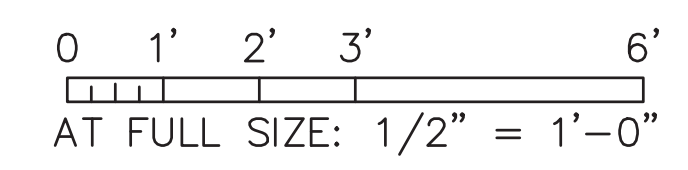
NO.

C.5

PRELIMINARY - DO NOT USE FOR CONSTRUCTION



A EXISTING PUMP STATION SECTION
 (BID ALTERNATE #1)
 C.5 SCALE: 1/2" = 1'-0"



B PROPOSED PUMP STATION SECTION
 (BID ALTERNATE #1)
 C.5 SCALE: 1/2" = 1'-0"

L:\Projects\22.02 - Fairmont WWTP Improvements & Canal Cleaning\800 Drawings\810 Design Drawings\02 Civil\WTFP Contract\RobCo-22.02 Existing Headworks And Blowers Site Plan.dwg; Last Saved By: DANIEL, 12/14/2023 1:57:59 PM; Existing Headworks And Blowers Site Plan; Plotted By: Daniel Nestor, XREF: 90 16003; 08/06/2022 02 WWTP Base, RobCo-22.02 Existing PS Plan Design, Mal_FEMAL_PCDwg, IMAGE: H:\Util\11.tamp

REVISIONS			
SYM.	DESCRIPTION	DATE	BY



LKC Engineering, PLLC
 140 Aqua Shed Court
 Aberdeen, NC 28315
 O: 910.420.1437
 F: 910.637.0096
 lkceengineering.com
 License No. P-1095

Engineering
 Landscape Architecture
 Surveying



Existing Headworks And
 Blowers Site Plan

WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

DATE: December, 2023

DESIGNED: MAL

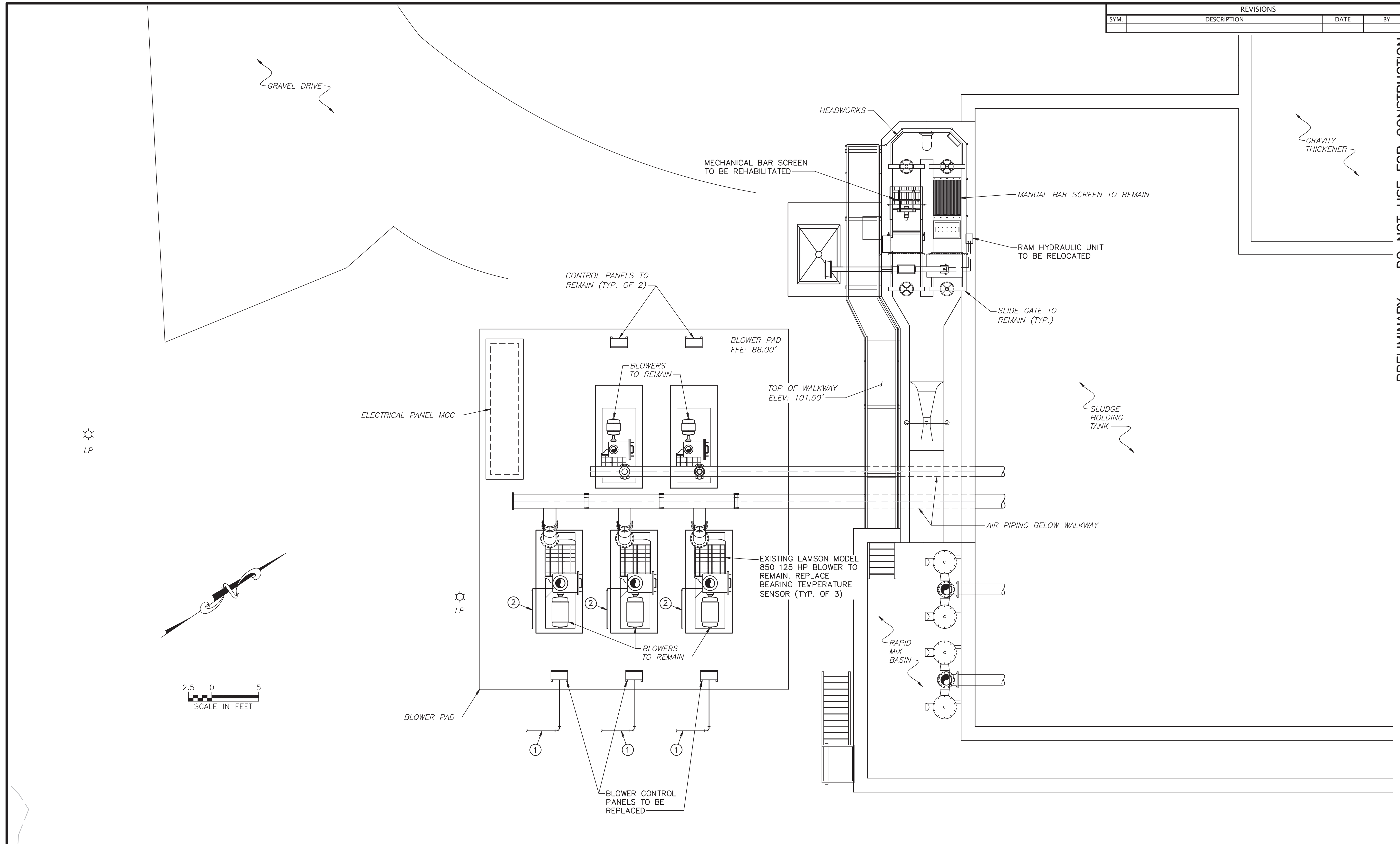
DRAWN: DJN

CHECKED: MAL

NO.

C.6

PRELIMINARY - DO NOT USE FOR CONSTRUCTION

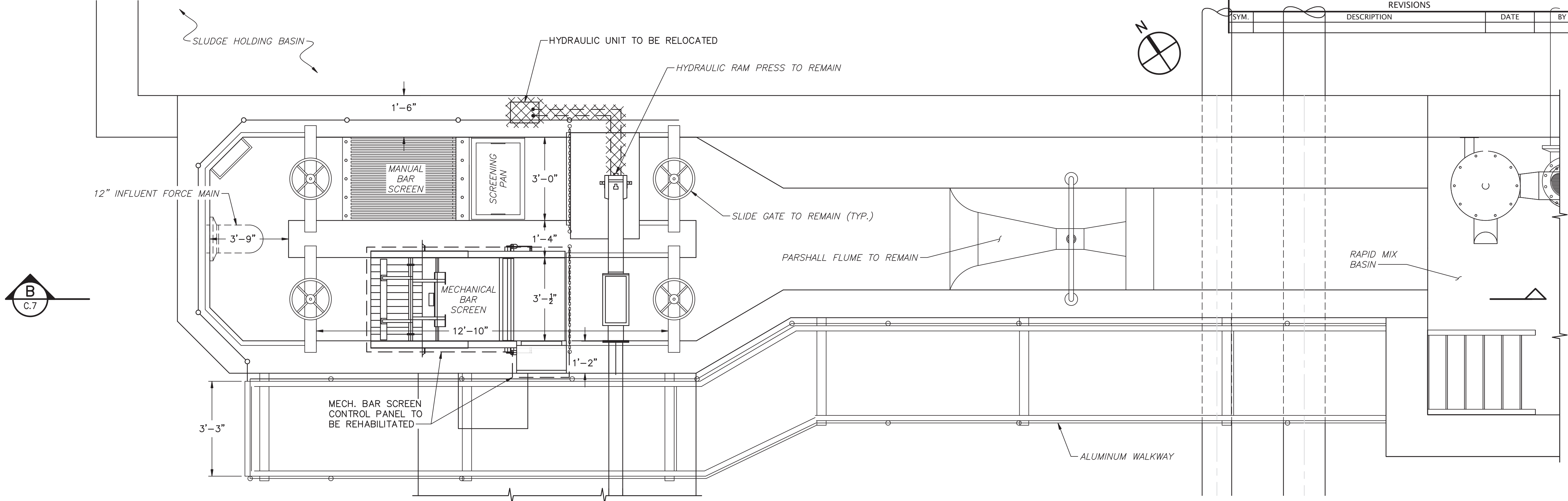


KEY NOTE LEGEND	
①	3 - 410, 2 #12, 1 #3G, 2 1/2" CONDUIT TO ELECTRICAL PANEL MCC
②	8 - #14, 1 #14G, 3/4" CONDUIT TO RESPECTIVE BLOWER CONTROL PANEL

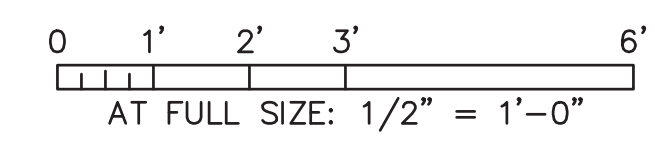
- BLOWER CONTROL PANEL REPLACEMENT NOTES**
1. REMOVE EXISTING EQUIPMENT SUCH THAT (2) BLOWERS WILL REMAIN OPERATIONAL AT ALL TIMES.
 2. PROVIDE AND INSTALL ALUMINUM SHELTER FOR EACH ENCLOSURE.

- SCOPE OF WORK / CONSTRUCTION SEQUENCE - BAR SCREEN REHABILITATION**
1. DIVERT FLOW TO MANUAL BAR SCREEN, DEWATER AND CLEAN MECHANICAL BAR SCREEN AND CHANNEL
 2. COMPLETE REHABILITATION OF EXISTING BAR SCREEN AND CONTROLS COMPONENT REPLACEMENT IN EXISTING ENCLOSURE
 3. INSTALL GALVANIZED STEEL SUPPORT PLATFORM WITH HANDRAILS AND KICKPLATE AND RELOCATE EXISTING HYDRAULIC UNIT AND HOSE.

L:\Projects\22.02 - Fairmont WTPF Improvements & Canal Cleaning\800 Drawings\810 Design Drawings\02 Civil\WTPF Contract\RobCo-22.02 Existing Bar Screen Plan and Profile.dwg; Last Saved By: DANIEL, 8/28/2023 2:53:00 PM; Existing Bar Screen Plan and Profile; Plotted By: Daniel Nestor, 12/14/23
 R:\Projects\22.02 WTPF Base, RobCo-22.02 Existing Bar Screen Profile Design, RobCo-22.02 Existing PS Plan Design, MAL_Plan_Plot.dwg; IMAGE: H:\Util\11.dwg

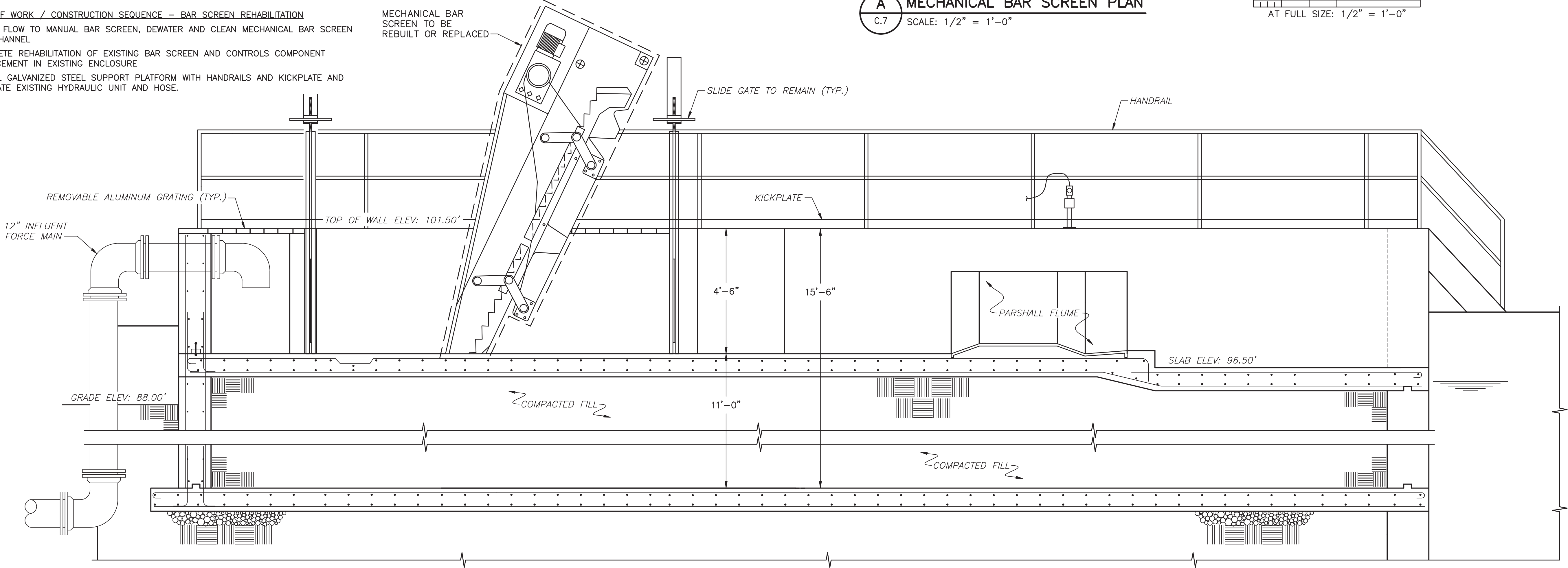


A MECHANICAL BAR SCREEN PLAN
 C.7 SCALE: 1/2" = 1'-0"



- SCOPE OF WORK / CONSTRUCTION SEQUENCE - BAR SCREEN REHABILITATION**
- DIVERT FLOW TO MANUAL BAR SCREEN, DEWATER AND CLEAN MECHANICAL BAR SCREEN AND CHANNEL
 - COMPLETE REHABILITATION OF EXISTING BAR SCREEN AND CONTROLS COMPONENT REPLACEMENT IN EXISTING ENCLOSURE
 - INSTALL GALVANIZED STEEL SUPPORT PLATFORM WITH HANDRAILS AND KICKPLATE AND RELOCATE EXISTING HYDRAULIC UNIT AND HOSE.

MECHANICAL BAR SCREEN TO BE REBUILT OR REPLACED



B MECHANICAL BAR SCREEN PROFILE
 C.7 SCALE: 1/2" = 1'-0"

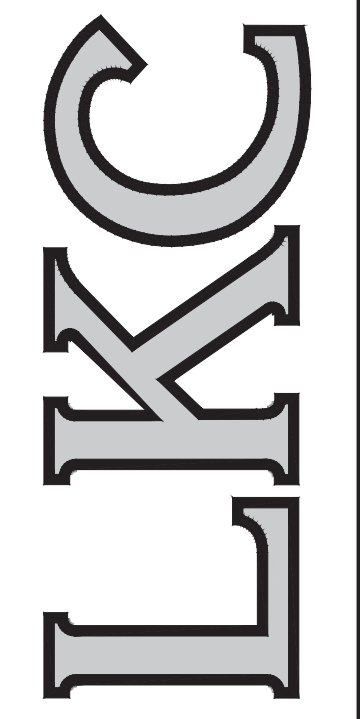
SYMBOL	DESCRIPTION	REVISIONS	DATE	BY

PRELIMINARY - DO NOT USE FOR CONSTRUCTION



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Existing Bar Screen Plan
 And Profile

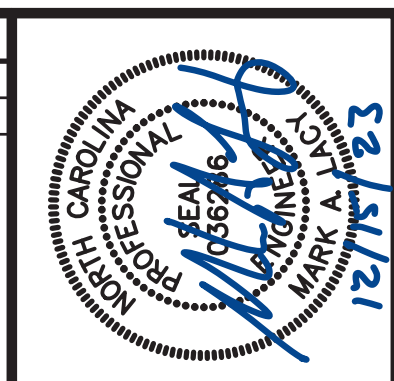
WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

DATE:	December, 2023
DESIGNED:	MAL
DRAWN:	DJN
CHECKED:	MAL
NO.	

C.7

L:\Projects\22.02 - Fairmont WTP Improvements & Canal Cleaning\800 Drawings\810 Design Drawings\02 Design Drawings\810 Proposed Headworks Modifications\2.dwg; List Saved By: DANIEL 9/11/2023 2:34:09 PM; Proposed Headworks Modifications; Plotted By: Daniel Nestor, 12/14/23 02:02:20
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REVISIONS			
SYM.	DESCRIPTION	DATE	BY



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Surveying



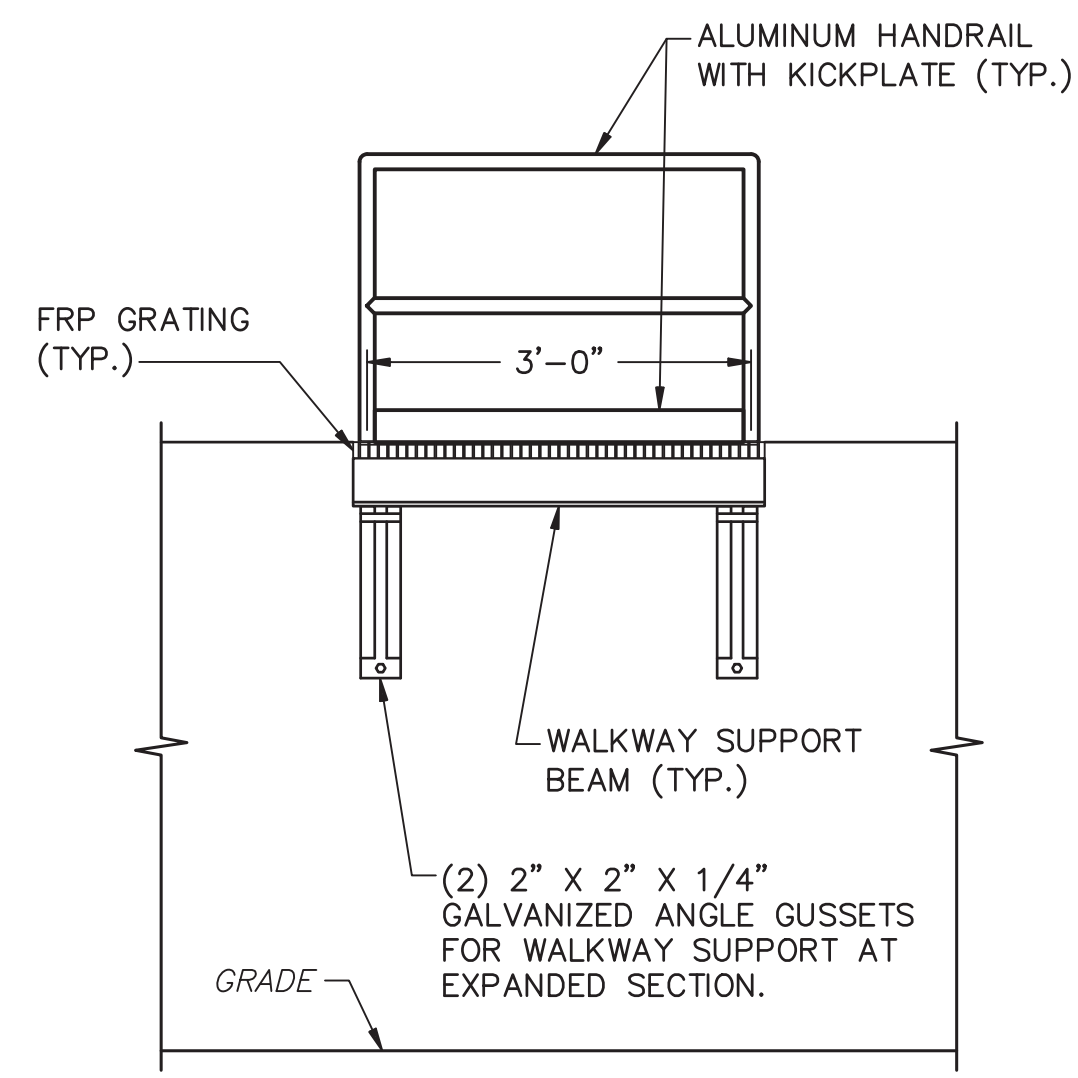
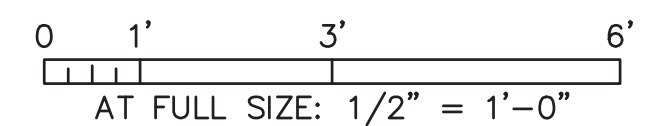
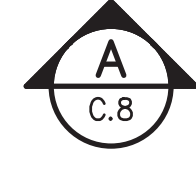
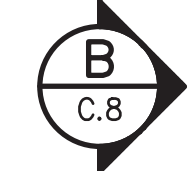
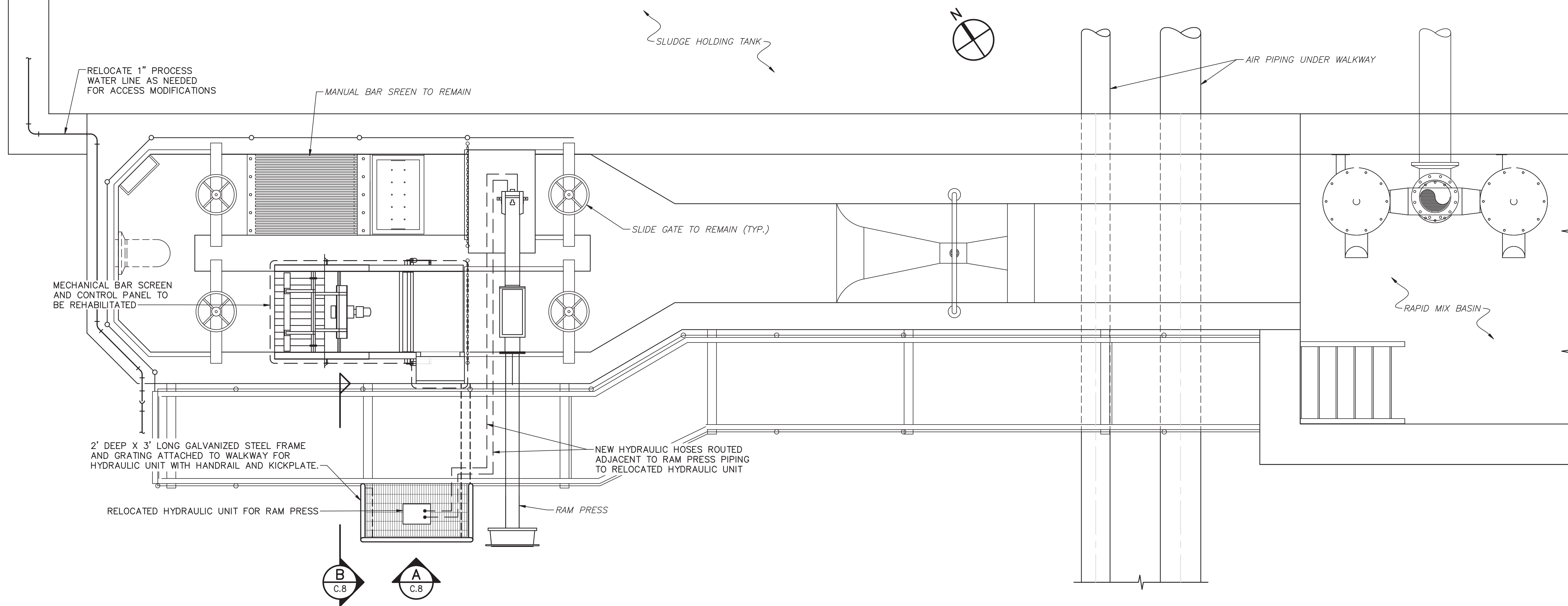
Proposed Headworks
Modifications

WASTEWATER TREATMENT
PLANT IMPROVEMENTS
FOR THE
TOWN OF FAIRMONT
 Robeson County, North Carolina

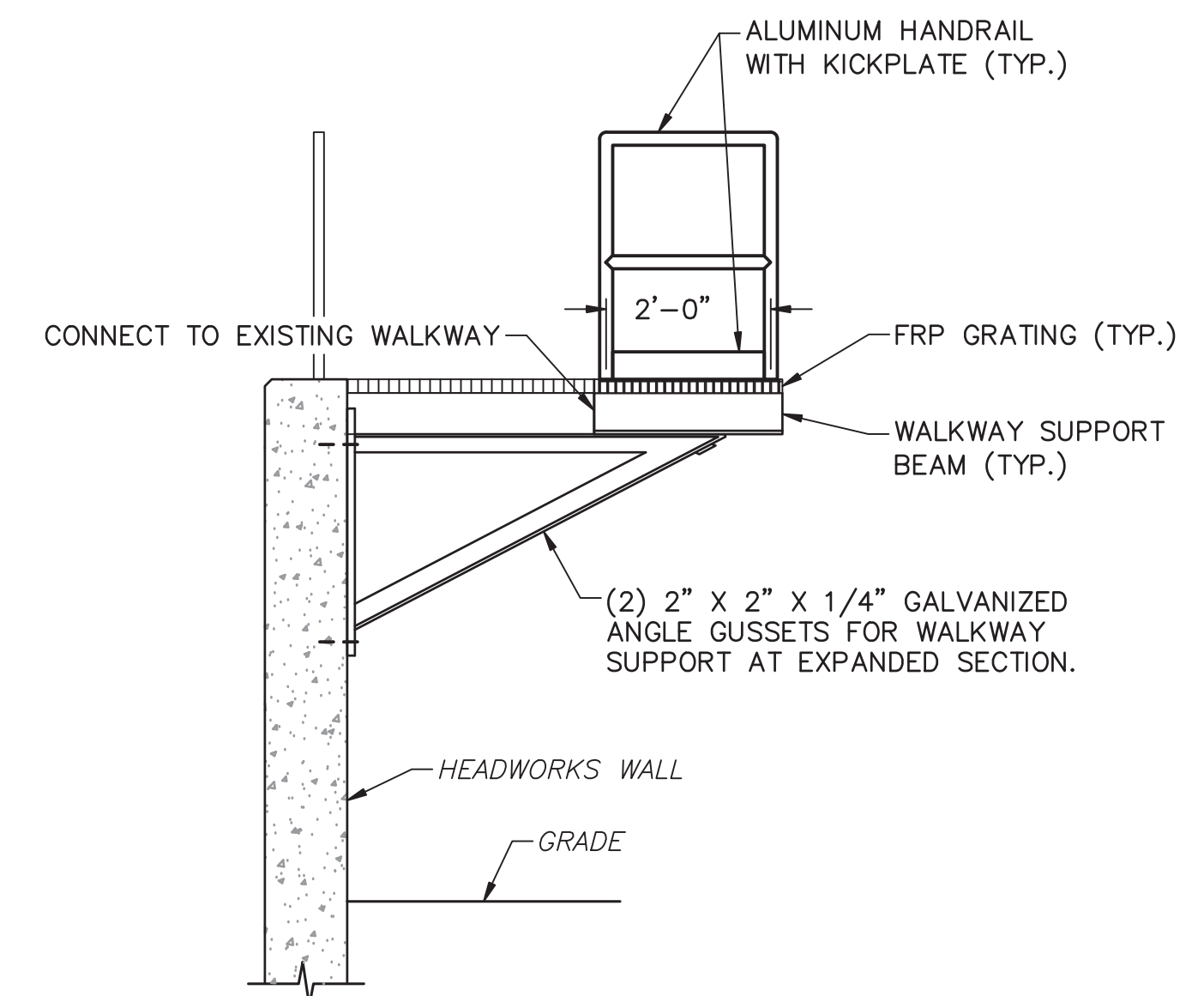
DATE: December, 2023
 DESIGNED: MAL
 DRAWN: DJN
 CHECKED: MAL
 NO.

C.8

PRELIMINARY - DO NOT USE FOR CONSTRUCTION



A PROPOSED WALKWAY ELEVATION
 C.8 NOT TO SCALE



B PROPOSED WALKWAY SECTION
 C.8 NOT TO SCALE

**FEMA FIRMettes and Preliminary FIRM
Showing Parcel Boundary and Zone X
Estimated Total Acreage and NFIP
Community Status Book Report**

National Flood Hazard Layer FIRMMette



78°58'33"W 34°26'51"N



Legend

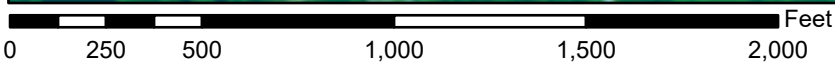
SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- | | | |
|------------------------------------|--|--|
| 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 |
| GENERAL STRUCTURES | | Area of Undetermined Flood Hazard <i>Zone D</i> |
| | | 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 |
| MAP PANELS | | Coastal Transect Baseline |
| | | Profile Baseline |
| | | Hydrographic Feature |
| | | 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 **2/15/2024 at 10:03 AM** 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.

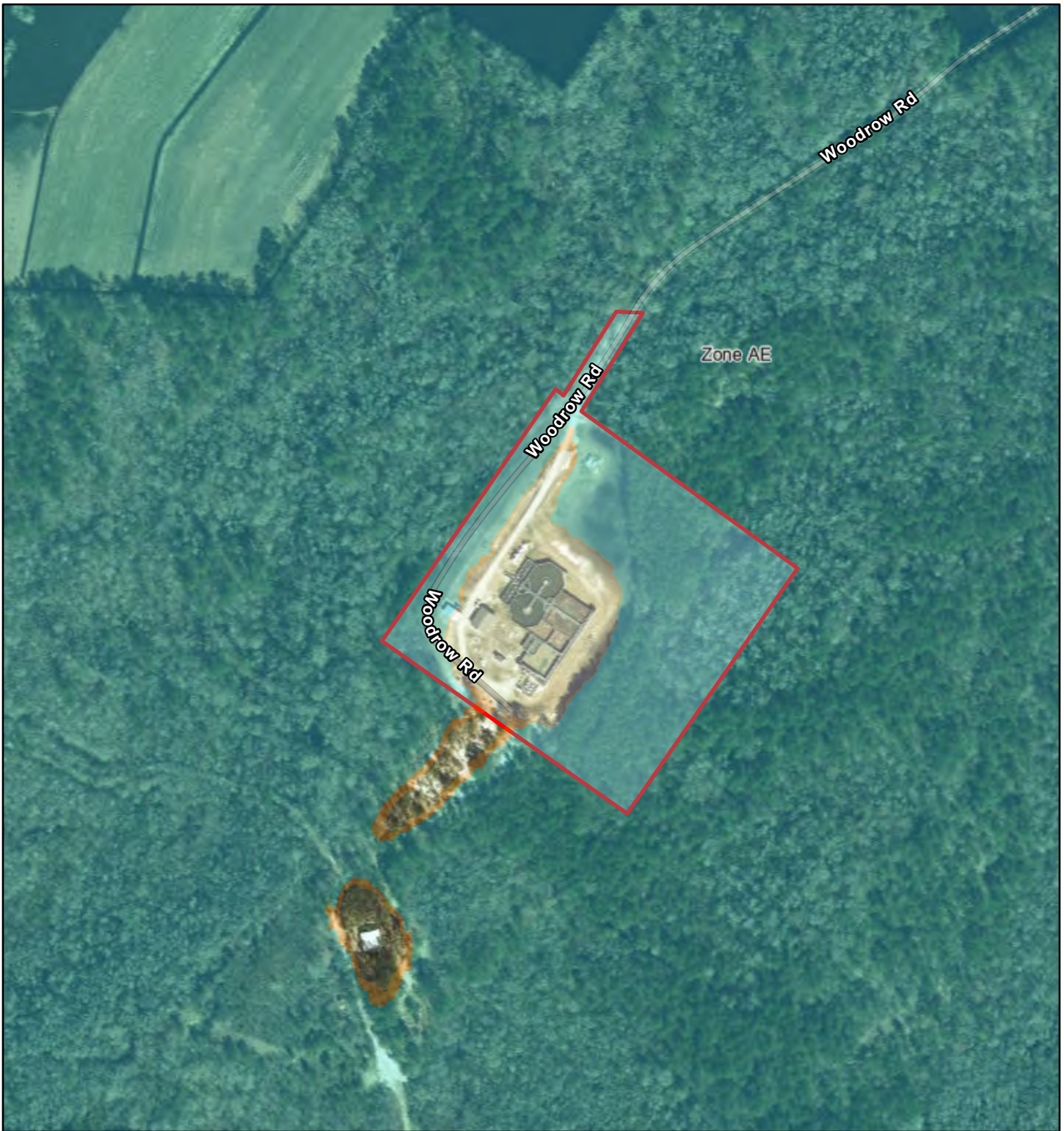


1:6,000

78°57'56"W 34°26'21"N

Basemap Imagery Source: USGS National Map 2023

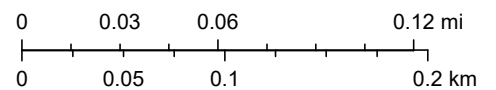
Fairmont WWTP - FEMA FIRMeTte



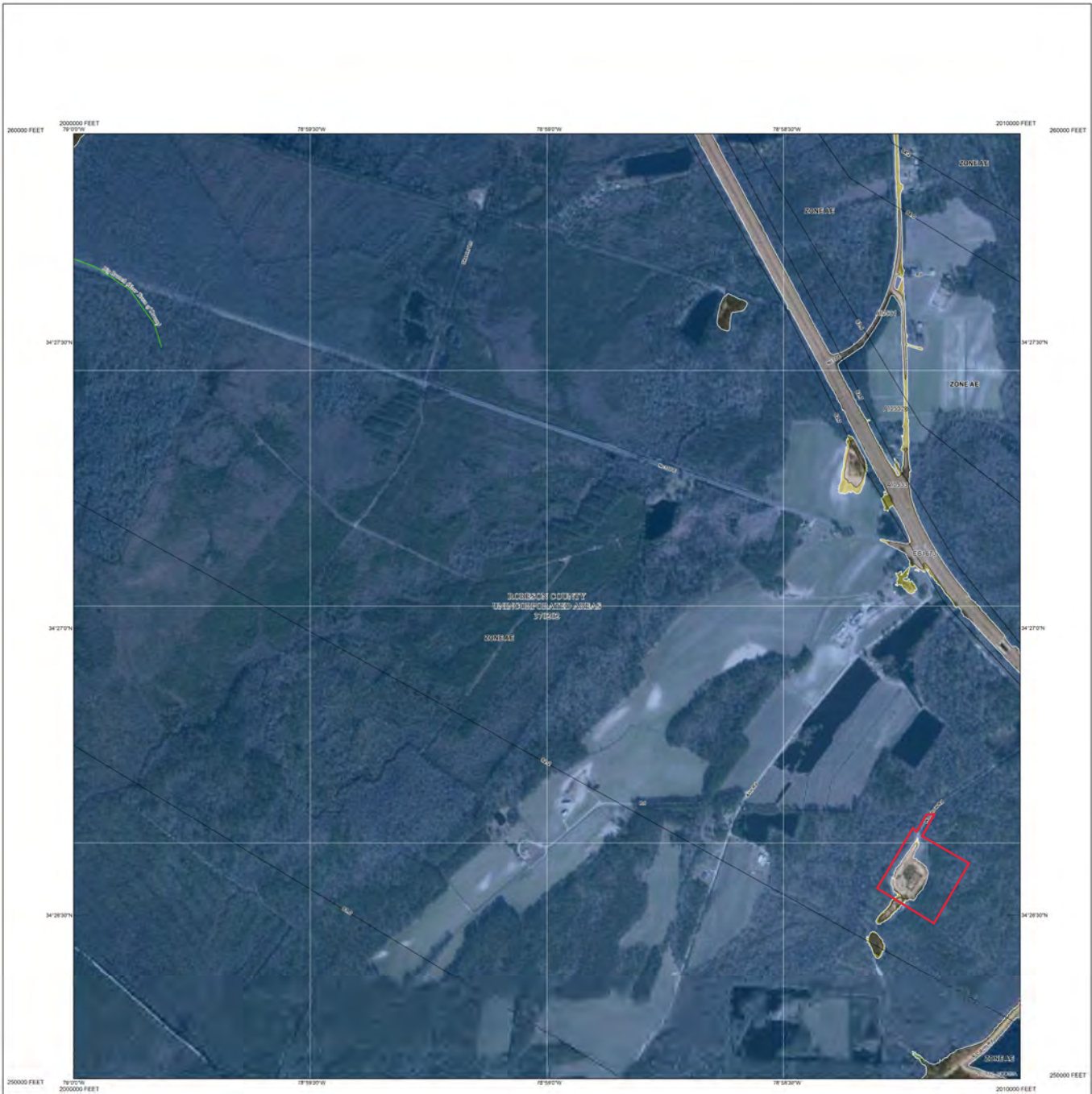
February 13, 2024

1:4,514

- | | |
|-----------------------------------|---|
| Flood Hazard Zones | 0.2% Annual Chance Flood Hazard |
| 1% Annual Chance Flood Hazard | Future Conditions 1% Annual Chance Flood Hazard |
| Regulatory Floodway | Area with Reduced Risk Due to Levee |
| Special Floodway | Area with Risk Due to Levee |
| Area of Undetermined Flood Hazard | Fairmont WWTP |



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



The 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 in the local world. As a part of the effort, the State of North Carolina has joined in a Cooperative Technical State agreement with FEMA to produce and maintain the 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) (Zone A, V, AE)
 - With BFE or Depth (Zone AE, AO, AH, VE, AP)
 - Regulatory Floodway
 - 0.2% Annual Chance Flood Hazards, Areas of 1% Annual Chance Flood with Average Depth Less Than One Foot or With Drainage Areas 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)
 - Areas Determined to be Outside the 0.2% Annual Chance Floodplain (Zone X)
 - OTHER AREAS OF FLOOD HAZARD**
 - 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
 - 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
 - GENERAL STRUCTURES**
 - OTHER FEATURES**

NOTES TO USERS

For information and questions about this map, available products associated with the FIRM including historic versions of the FIRM, how to order products or the National Flood Insurance Program in general, please visit the FEMA Map Information Exchange at 1-877-FEMA-MAP (1-877-368-2627) or visit the FEMA Map Service Center website at msc.fema.gov. An accompanying Flood Insurance Study Report, Letter of Map Revision (LOMR) or Letter of Map Amendment (LOMA) revising portions of the panel, and digital versions of the FIRM are also available. Visit the North Carolina Floodplain Mapping Program website at <http://www.ncfloodmaps.com> or contact the FEMA Map Service Center.

Communities receiving land or adjacent FIRM panels must obtain a copy of the adjacent panel as well as the current FIRM index. These may be obtained directly from the Map Service Center at the nuclear level above. For community and countywide map data 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 Survey at 1-800-658-0820.

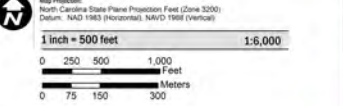
Flood Insurance Study (FIS) means an examination, evaluation, and dissemination of flood hazards, corresponding water surface elevations, flood hazard risk zones, and other flood data as a community issued by the North Carolina Floodplain Mapping Program (NCFMP). The Flood Insurance Study (FIS) is comprised of the following products used together: the Digital Flood Hazard Database, the Water Surface Elevation Report, the digitally derived, unsegmented Flood Insurance Rate Map and the Flood Insurance Survey Report. A Flood Insurance Survey is a compilation and presentation of flood risk data for specific subwatersheds, basins, and coastal flood hazard areas within a community. This report contains detailed flood elevation data, data tables and FISB indices. When a flood study is completed for the NFIP, the digital information, reports and maps are assembled into an FIS, information shown on this FISB is provided in digital format by the NCFMP. Base map information shown on this FISB was provided in digital format by the NCFMP. The source of the information can be determined from the metadata available in the digital FLOOD database and in the Technical Support Data Notebook (TSND).

ACCREDITED LEVEE NOTES TO USERS: If an accredited levee note appears on the panel check your local community to obtain more information, such as the accredited level of protection provided, such as the accredited level of protection provided, such as the accredited level of protection provided. To mitigate flood risk or 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/national-flood-insurance-program>.

PROVISIONALLY ACCREDITED LEVEE NOTES TO USERS: If a provisionally accredited levee note appears on the panel, check your local community to obtain more information, such as the estimated level of protection provided, such as the estimated level of protection provided, such as the estimated level of protection provided. To mitigate flood risk or 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/national-flood-insurance-program>.

LIMIT OF MODERATE WAVE ACTION (LIMWA) NOTES TO USERS: For some coastal flooding zones the AE Zone category has been divided by a Limit of Moderate Wave Action (LIMWA). The LIMWA represents the approximate sheltered limit of the 1% flood bracket, wave. The effects of wave heights between the VE Zone and the LIMWA, as between the protected and the UNPROT areas where VE Zones are not identified, will vary by, but less severe than those in the VE Zone.

SCALE



PANEL LOCATOR



FEMA National Flood Insurance Program

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

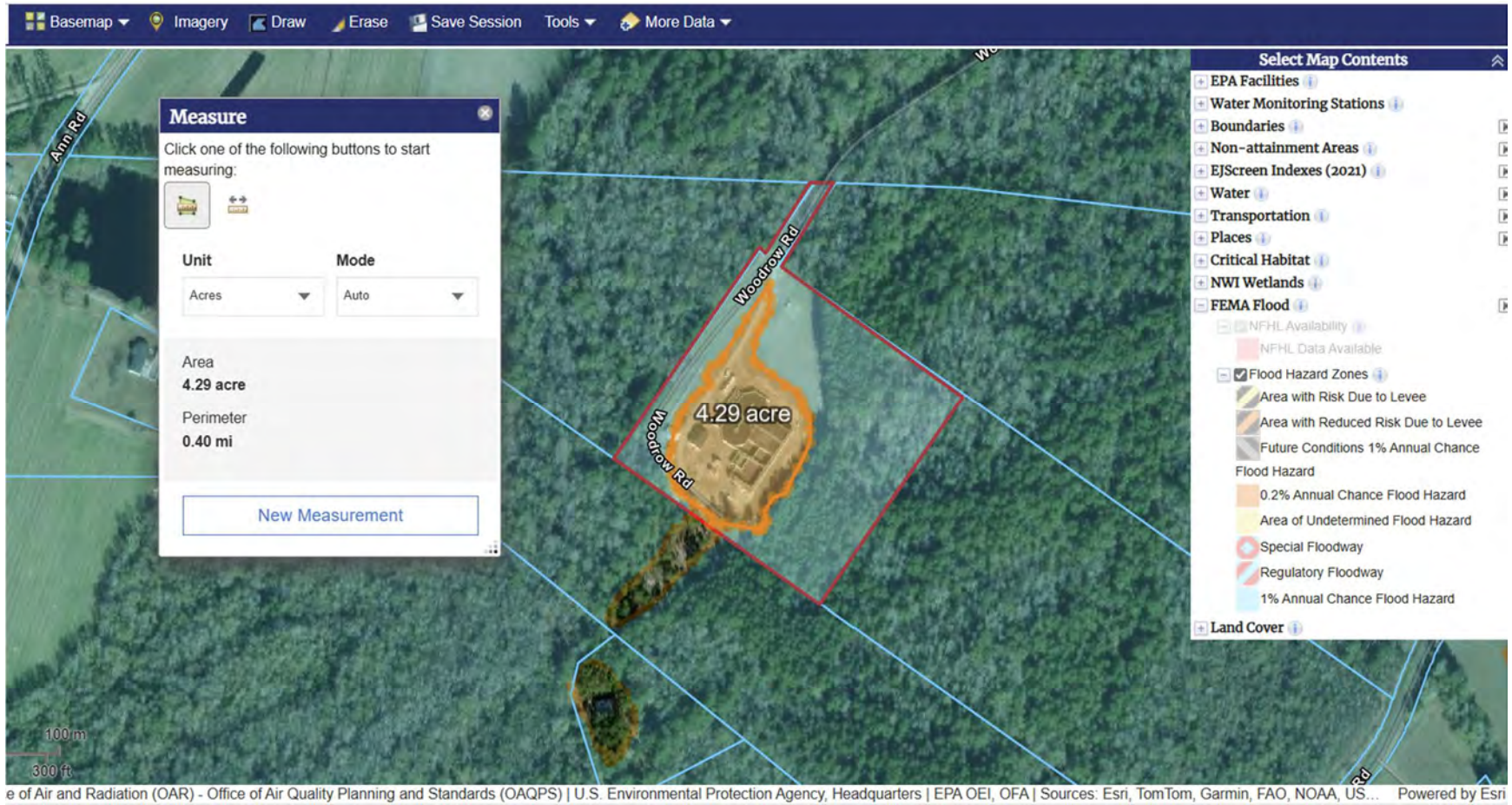
NORTH CAROLINA

PANEL 0205

Panel Contains:
COMMUNITY: ROBESON COUNTY
CID: 370202
PANEL SUFFIX: 0205 K

VERSION NUMBER: 2.3.3.2
MAP NUMBER: 3720020500K
MAP REVISED: December 06, 2019

Fairmont WWTP Improvements – Zone X Estimated Total Acreage on Parcel (4.29 acres)





Community Status Book Report

Communities Participating in the National Flood Program

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
370601#	COVE CITY, TOWN OF	CRAVEN COUNTY		07/16/04	(NSFHA)	07/02/04	No					
370321#	CRAMERTON, TOWN OF	GASTON COUNTY	07/11/75	03/04/80	11/04/09	05/21/92	No					
370072L	CRAVEN COUNTY*	CRAVEN COUNTY	12/20/74	05/04/87	06/15/22	05/04/87	No	10/01/91	10/01/01	8	10%	05%
370107K	CREEDMOOR, CITY OF	GRANVILLE COUNTY	06/28/74	06/25/76	12/06/19	06/25/76	No					
370443M	CRESWELL, TOWN OF	WASHINGTON COUNTY	06/09/78	02/04/87	06/15/22	08/19/85	No	10/01/94	10/01/99	8	10%	05%
370287#	CROSSNORE, TOWN OF	AVERY COUNTY	08/05/77	08/19/86	12/03/09(M)	08/19/86	No					
370076K	CUMBERLAND COUNTY *	CUMBERLAND COUNTY	12/13/74	02/17/82	06/20/18	02/17/82	No	10/01/96	10/01/10	8	10%	05%
370078K	CURRITUCK COUNTY *	CURRITUCK COUNTY	01/31/75	11/01/84	06/19/20	11/01/84	No	10/01/93	04/01/22	6	20%	10%
370322#	DALLAS, TOWN OF	GASTON COUNTY	06/27/75	05/01/94	11/04/09	05/01/94	No					
370363#	DANBURY, TOWN OF	STOKES COUNTY	04/01/77	07/16/87	08/18/09	07/16/87	No					
375348K	DARE COUNTY*	DARE COUNTY	04/09/71	10/06/78	06/19/20	10/06/78	No	10/01/91	04/01/22	6	20%	10%
370307#	DAVIDSON COUNTY *	DAVIDSON COUNTY	06/17/77	05/01/80	06/16/09	05/01/80	No					
370503F	DAVIDSON, TOWN OF	IREDELL COUNTY/MECKLENBURG COUNTY	10/22/76	06/01/81	11/16/18	10/16/97	No					
370308#	DAVIE COUNTY *	DAVIE COUNTY	04/21/78	03/21/80	06/16/09	03/21/80	No					
370506#	DENTON, TOWN OF	DAVIDSON COUNTY		09/07/00	03/16/09	05/10/12	No					
370136#	DILLSBORO, TOWN OF	JACKSON COUNTY	03/08/74	05/15/86	04/19/10	05/15/86	No					
370652#	DORTCHES, TOWN OF	NASH COUNTY		11/03/04	07/03/07	12/29/05	No					
370664#	DOVER, TOWN OF	CRAVEN COUNTY		07/02/04	(NSFHA)	05/29/07	No					
	Community is NSFHA.											
370297#	DREXEL, TOWN OF	BURKE COUNTY	08/08/75	08/19/86	07/07/09	08/19/86	No					
370632L	DUCK, TOWN OF	DARE COUNTY	04/08/71	10/06/78	06/19/20	11/06/03	No	10/01/11	10/01/21	6	20%	10%
370264#	DUNN, CITY OF	HARNETT COUNTY	05/27/77	09/04/86	07/17/07	09/04/86	No					
370083K	DUPLIN COUNTY *	DUPLIN COUNTY	02/24/78	07/04/89	06/19/20	07/04/89	No					
370085M	DURHAM COUNTY *	DURHAM COUNTY	01/31/75	02/15/79	07/19/22	02/15/79	No	10/01/92	10/01/08	8	10%	05%
370086K	DURHAM, CITY OF	DURHAM COUNTY	01/24/74	01/17/79	07/19/22	01/17/79	No	05/01/14	10/01/19	7	15%	05%
370496L	EAST ARCADIA, TOWN OF	BLADEN COUNTY		09/01/89	(NSFHA)	06/30/97	No					
370359#	EAST LAURINBURG, TOWN OF	SCOTLAND COUNTY	07/11/75	12/16/88	07/07/14	08/15/07	No					
370211#	EAST SPENCER, TOWN OF	ROWAN COUNTY	02/22/74	07/03/78	06/16/09	07/03/78	No					
370401#	EASTERN BAND OF CHEROKEE INDIANS	HAYWOOD COUNTY/SWAIN COUNTY/JACKSON COUNTY/GRAHAM COUNTY/CHEROKEE COUNTY	11/24/78	05/17/89	04/19/10	05/17/89	Yes					
370425#	EASTOVER, TOWN OF	CUMBERLAND COUNTY		12/18/07	12/18/07	06/23/09	No					
370206#	EDEN, CITY OF	ROCKINGHAM COUNTY	10/12/73	01/05/78	01/02/09	01/05/78	No					
370062L	EDENTON, TOWN OF	CHOWAN COUNTY	02/15/74	09/15/77	12/21/18	09/15/77	No	10/01/93	04/01/22	7	15%	05%
370087J	EDGECOMBE COUNTY *	EDGECOMBE COUNTY	11/29/74	08/03/81	06/02/15	08/03/81	No					
370185K	ELIZABETH CITY, CITY OF	CAMDEN COUNTY/PASQUOTANK COUNTY	11/09/73	04/03/78	12/21/18	04/03/78	No					
370027#	ELIZABETH TOWN, TOWN OF	BLADEN COUNTY	12/21/73	07/17/86	02/16/07	07/17/86	No					
370382#	ELK PARK, TOWN OF	AVERY COUNTY	07/02/76	04/15/86	12/03/09(M)	04/15/86	No					
370225#	ELKIN, TOWN OF	WILKES COUNTY/SURRY COUNTY	06/28/74	08/15/78	12/03/09	08/15/78	No					
370521#	ELM CITY, TOWN OF	WILSON COUNTY		11/03/04	12/02/05	11/03/04	No					
370411K	ELON, TOWN OF	ALAMANCE COUNTY		06/05/89	11/17/17	06/05/89	No					
370047J	EMERALD ISLE, TOWN OF	CARTERET COUNTY	06/07/74	04/01/77	06/19/20	04/01/77	No	10/01/93	10/01/03	7	15%	05%
370115#	ENFIELD, TOWN OF	HALIFAX COUNTY	11/30/73	06/25/76	06/18/13	06/25/76	No					
370456#	ERWIN, TOWN OF	HARNETT COUNTY		04/16/90	07/17/07	02/28/97	No					
370067L	FAIR BLUFF, TOWN OF	COLUMBUS COUNTY	12/14/73	06/01/87	12/06/19	06/01/87	No					
370205#	FAIRMONT, TOWN OF	ROBESON COUNTY	02/15/74	09/01/87	01/05/07	09/01/87	No					
370024E	FAIRVIEW, TOWN OF	UNION COUNTY		10/16/08	11/16/18	06/09/09	No					
370495#	FAISON, TOWN OF	SAMPSON COUNTY/DUPLIN COUNTY		07/04/89	02/16/07	06/30/97	No					
370352#	FAITH, TOWN OF	ROWAN COUNTY	10/17/75	07/03/78	06/16/09	11/26/02	No					
370412#	FALCON, TOWN OF	SAMPSON COUNTY/CUMBERLAND COUNTY		01/05/07	12/18/07	01/05/07	No					
370666#	FALKLAND, TOWN OF	PITT COUNTY		01/02/04	05/16/08	01/02/04	No					

**USFWS National Wetlands Inventory
(NWI) Maps Showing Parcel Boundary
and Estimated Total Acreage**

Fairmont WWTP - NWI Map

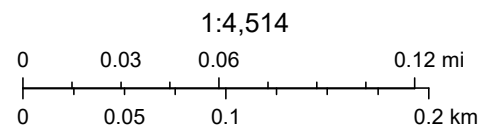


February 13, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland

- Freshwater Pond
- Lake
- Other
- Riverine
- Fairmont WWTP



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Fairmont WWTP - NWI Map

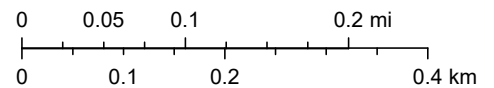


February 13, 2024

1:9,028

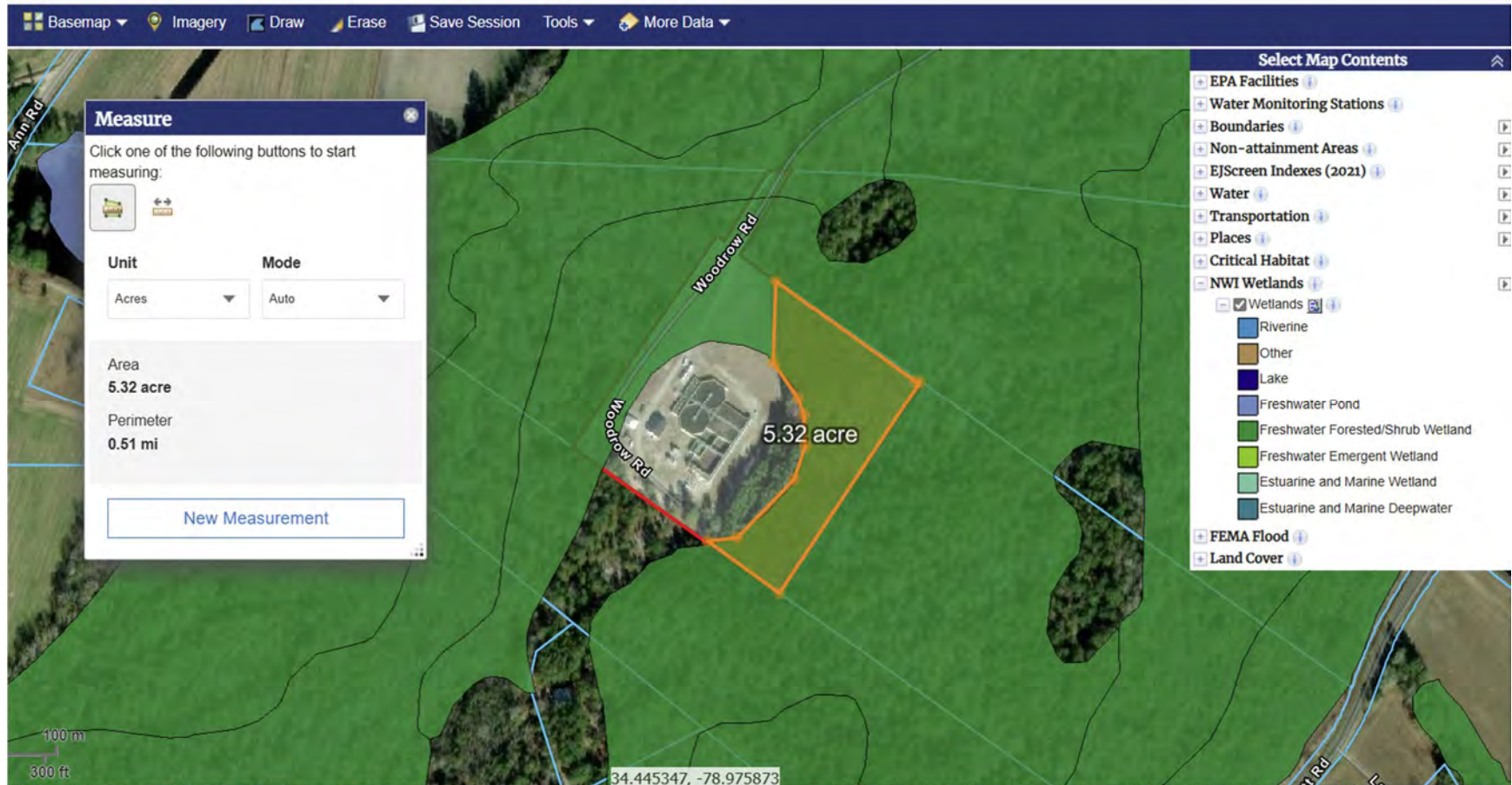
Wetlands

- | | | | |
|---|-----------------------------------|---|-----------------|
|  | Estuarine and Marine Deepwater |  | Freshwater Pond |
|  | Estuarine and Marine Wetland |  | Lake |
|  | Freshwater Emergent Wetland |  | Other |
|  | Freshwater Forested/Shrub Wetland |  | Riverine |
| | |  | Fairmont WWTP |

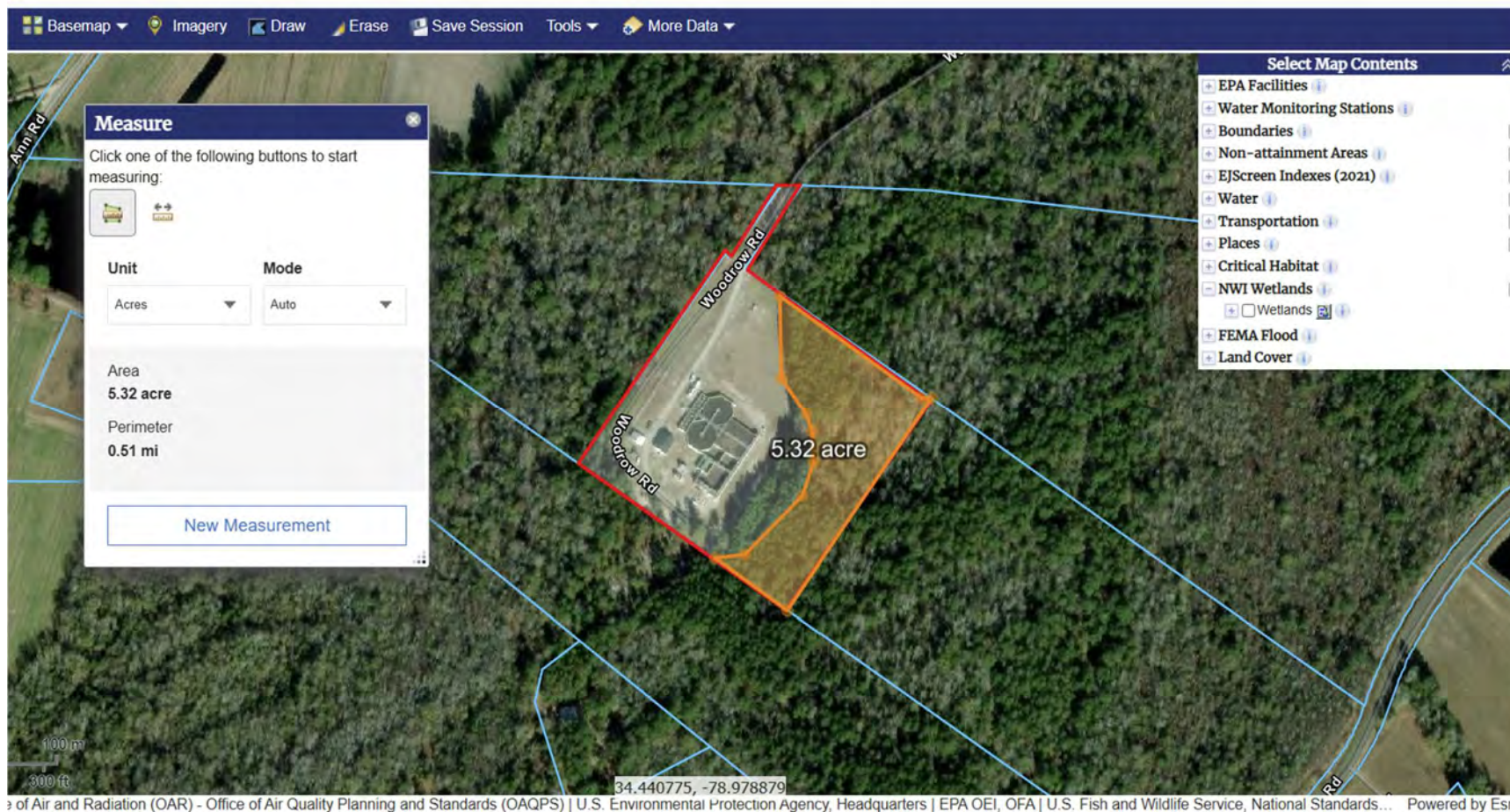


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Fairmont WWTP Improvements – Wetlands Estimated Total Acreage on Parcel (5.32 acres)



Fairmont WWTP Improvements – Wetlands Estimated Total Acreage on Parcel (5.32 acres)



**USACE Correspondence with No Wetland
Impact/ No Permit Required
Determination Email**

Gievers, Andrea

From: Beecher, Gary H CIV USARMY CESAW (USA) <Gary.H.Beecher@usace.army.mil>
Sent: Wednesday, March 13, 2024 2:45 PM
To: Gievers, Andrea
Cc: Turlington, Chad
Subject: [External] NCORR Fairmont WWTP Improvements in Robeson County, NC (SAW-2024-00545)
Attachments: NCORR Fairmont WWTP USACE project info.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.

Ms. Gievers,

The Corps has reviewed your proposed project and has determined that a Pre-construction Notice (PCN) or permit will not be required for the work.

It appears that the work will take place in uplands within the existing operational plant and will not impact wetlands or Waters of the US.

USACE Project ID:
SAW-2024-00545

Please contact me if you have any additional questions about this project or about the USACE Regulatory Program.

Respectfully,
Gary



**US Army Corps
of Engineers**
Wilmington District

Gary Beecher
USACE Wilmington Field Office
Regulatory Project Manager
Office (910) 251-4694
gary.h.beecher@usace.army.mil

Gievers, Andrea

From: Beecher, Gary H CIV USARMY CESAW (USA) <Gary.H.Beecher@usace.army.mil>
Sent: Wednesday, March 13, 2024 1:58 PM
To: Gievers, Andrea
Cc: Turlington, Chad
Subject: RE: [External] RE: Fairmont WWTP Improvements - Confirmation No Wetlands in WWTP Facility (Photos)

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 appears that the proposed work inside the WWTP will be done in uplands with no impacts to wetlands.

The project that I'm currently working on includes the build up and widening of the plant access road (Woodrow). This work is requiring a permit due to previous wetland impacts/permits at the plant (previous access road, pipes, etc.)

The project that you're currently working on will not require a permit from the Corps.

Respectfully,
Gary



**US Army Corps
of Engineers**
Wilmington District

Gary Beecher
USACE Wilmington Field Office
Regulatory Project Manager
Office (910) 251-4694
gary.h.beecher@usace.army.mil

From: Gievers, Andrea <andrea.l.gievers@rebuild.nc.gov>
Sent: Wednesday, March 13, 2024 1:45 PM
To: Beecher, Gary H CIV USARMY CESAW (USA) <Gary.H.Beecher@usace.army.mil>
Cc: Turlington, Chad <chad.turlington@deq.nc.gov>
Subject: [Non-DoD Source] RE: [External] RE: Fairmont WWTP Improvements - Confirmation No Wetlands in WWTP Facility (Photos)

Hi Gary:

We have **removed** the Access Road project activities for a later EA when the easements have come further along. This CEST environmental review *only* involves work to the *plant facility within the fenced-in areas*, see below. The Town is concerned the blower control panels and other parts are going to break imminently leading to the free flow of sewage into the environment which would require immediate attention. Please see only the details for this **WWTP facility-focused project**, below and attached. I will be in touch on the Access Road (in wetlands) when I draft that EA at a later time. Thanks so much and let me know if you need anything else!

Robeson County has requested HUD CDBG-MIT funding for improvements to the existing Town of Fairmont WWTP which must remain in operation throughout the duration of the project. The contractor will use bypass pumping, temporary electrical service, and temporary process water pumping systems as necessary to ensure operation is not interrupted. The proposed project includes **effluent pump station** improvements consisting of removal of the process water pumping system enclosure, drop legs, pumps, pipes, and valves; elevating the wet well, valve vault top slabs, and access approximately two feet; addition of a bypass pump connection on the existing 10-inch effluent force main; relocation of existing pump control and electrical components to an elevated structure; and all necessary associated improvements such as replacement of wiring, pump leads, and pump guide rails; modification or replacement of pump removal system and float controls; and the addition of junction boxes and new connections to the wet well. The proposed project includes either the complete rebuild or removal and replacement of the existing Huber Technology Model SSF3000x726x3 step **mechanical bar screen** with new equipment and all necessary associated improvements such as control panel component replacement and modifications to electrical components and existing structures. There will also be removal and replacement of three **blower control panels** each with a new weather hood and enclosures for the existing 125 Hp Lamson model 850 blowers and replacement of the existing bearing temperature sensor and current transformer (CT) in the existing motor control center (MCC). The replacement of the blower control panels will be given priority. There will be **elevated access walkway** improvements and the existing **hydraulic power pack unit** for the ram press will be removed and relocated and/or replaced along with all hydraulic hoses and wiring modifications. The top of the wet well will be elevated two feet to 86.97 feet and the top of the valve vault will be elevated to 86.97 feet from the current 84.52 feet. The electrical pad will be replaced and elevated to a top of slab elevation of 86.97 feet. The ground disturbance will be limited to the elevation of the wet well and electrical controls which would add approximately 350 – 400 cubic yards (cy) of fill at the wet well and make a smooth transition back to existing grade. There is no tree removal anticipated.

Sincerely,

Andrea Gievers

From: Beecher, Gary H CIV USARMY CESAW (USA) <Gary.H.Beecher@usace.army.mil>
Sent: Wednesday, March 13, 2024 1:31 PM
To: Gievers, Andrea <andrea.l.gievers@rebuild.nc.gov>
Cc: Turlington, Chad <chad.turlington@deq.nc.gov>
Subject: [External] RE: Fairmont WWTP Improvements - Confirmation No Wetlands in WWTP Facility (Photos)

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,

I'm currently putting the Environmental Assessment (EA) together for this permit/project. I think the permit (IP) will go out late next week.

The permit that I'm working on includes raising the current road to make it more accessible during and after storm events.

Is this the same project that you are referring to?

Gary



Gary Beecher
USACE Wilmington Field Office
Regulatory Project Manager
Office (910) 251-4694
gary.h.beecher@usace.army.mil

From: Gievers, Andrea <andrea.l.gievers@rebuild.nc.gov>
Sent: Friday, March 8, 2024 12:06 PM
To: Beecher, Gary H CIV USARMY CESAW (USA) <Gary.H.Beecher@usace.army.mil>
Cc: Turlington, Chad <chad.turlington@deq.nc.gov>
Subject: [Non-DoD Source] RE: Fairmont WWTP Improvements - Confirmation No Wetlands in WWTP Facility (Photos)

Hello Gary:

I am just checking in on the Fairmont WWTP rehabilitation, elevation, and improvements project. This will be a *quick turnaround* to avoid an **emergency failure** situation at the WWTP which could affect surrounding wetlands. The proposed project information is below (previous email) and attached. The proposed action area is within the fenced-in facility at existing structures where there are no wetlands. **Please confirm that a CWA Section 404 permit and buffer are not required.** Thanks so much and have a great weekend!



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: Friday, February 16, 2024 11:22 AM

To: Beecher, Gary H CIV USARMY CESAW (USA) <Gary.H.Beecher@usace.army.mil>

Cc: Turlington, Chad <chad.turlington@deq.nc.gov>

Subject: Fairmont WWTP Improvements - No Wetlands in WWTP Facility

Hi Gary:

I hope all is well. We have snow and cold gusts today in Hudson Valley, NY. The Fairmont WWTP Improvements project is located at 133 Woodrow Road, Orrum, NC 28369. This is another NCORR WWTP project where the *USFWS NWI map* shows wetlands but due to fill and site development for the WWTP there are *no wetlands within the fenced-in facility where project activities are proposed*. Most of the rehabilitation work will be to the main plant structure (mechanical bar screen, blower control panels, elevated walkway, and hydraulic power pack unit). The **effluent pump station improvements** (northeast corner) are the *only* proposed project activities located in **NWI-mapped** wetlands (see photos below). The only ground disturbance occurs at the effluent pump station but is limited to the elevation of the existing wet well and electrical control panel which would add approximately 350 – 400 cy of fill at the wet well and make a smooth transition back to existing grade. The full project description, NWI and location maps, site plans, and site visit photos are attached. Please confirm that no CWA Section 404 permit is required. Thanks so much and have a lovely weekend!

Effluent Pump Station – only NWI-mapped project activity location





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

Fairmont WWTP Improvements – Project Information

Project Location: The proposed project site (Subject Property) is owned by the Town of Fairmont consisting of the approximately 10.24-acre parcel, Parcel ID #12160101703B, located at 133 Woodrow Road, Orrum, Robeson County, NC 28369.

Description of the Proposed Project [24 CFR 50.12 & 58.32; 40 CFR 1508.25]: The State of North Carolina was adversely impacted by the landfall of Hurricane Matthew (October 8, 2016). During the Hurricane Matthew storm event, the Town of Fairmont was negatively impacted by severe rains and subsequent flooding of critical infrastructure, which hindered the operation of the Fairmont Waste Water Treatment Plant (WWTP). Floodwaters encroached upon the WWTP which was weakened by the storm resulting in less than optimum performance. The objective is to make the plant more durable and capable of handling excess waste water during future storm events. The elevation of the primary lift station will ensure that the lift station is not under floodwaters which will disable it; so, it can continue to pump during future storm events.

Robeson County has requested HUD CDBG-MIT funding for improvements to the existing Town of Fairmont WWTP which must remain in operation throughout the duration of the project. The contractor will use bypass pumping, temporary electrical service, and temporary process water pumping systems as necessary to ensure operation is not interrupted. The proposed project includes **effluent pump station improvements** consisting of removal of the process water pumping system enclosure, drop legs, pumps, pipes, and valves; elevating the wet well, valve vault top slabs, and access approximately two feet; addition of a bypass pump connection on the existing 10-inch effluent force main; relocation of existing pump control and electrical components to an elevated structure; and all necessary associated improvements such as replacement of wiring, pump leads, and pump guide rails; modification or replacement of pump removal system and float controls; and the addition of junction boxes and new connections to the wet well. The proposed project includes either the complete rebuild or removal and replacement of the existing Huber Technology Model SSF3000x726x3 step *mechanical bar screen* with new equipment and all necessary associated improvements such as control panel component replacement and modifications to electrical components and existing structures. There will also be removal and replacement of three *blower control panels* each with a new weather hood and enclosures for the existing 125 Hp Lamson model 850 blowers and replacement of the existing bearing temperature sensor and current transformer (CT) in the existing motor control center (MCC). The replacement of the blower control panels will be given priority. There will be *elevated access walkway improvements* and the existing *hydraulic power pack unit* for the ram press will be removed and relocated and/or replaced along with all hydraulic hoses and wiring modifications.

The top of the wet well will be elevated two feet to 86.97 feet and the top of the valve vault will be elevated to 86.97 feet from the current 84.52 feet. The electrical pad will be replaced and elevated to a top of slab elevation of 86.97 feet. The ground disturbance will be limited to the elevation of the wet well and electrical controls which would add approximately 350 – 400 cubic yards (cy) of fill at the wet well and make a smooth transition back to existing grade. There is no tree removal anticipated.

**Fairmont WWTP Sludge Removal & Disposal - Robeson County, NC
WWTP Layout Map**

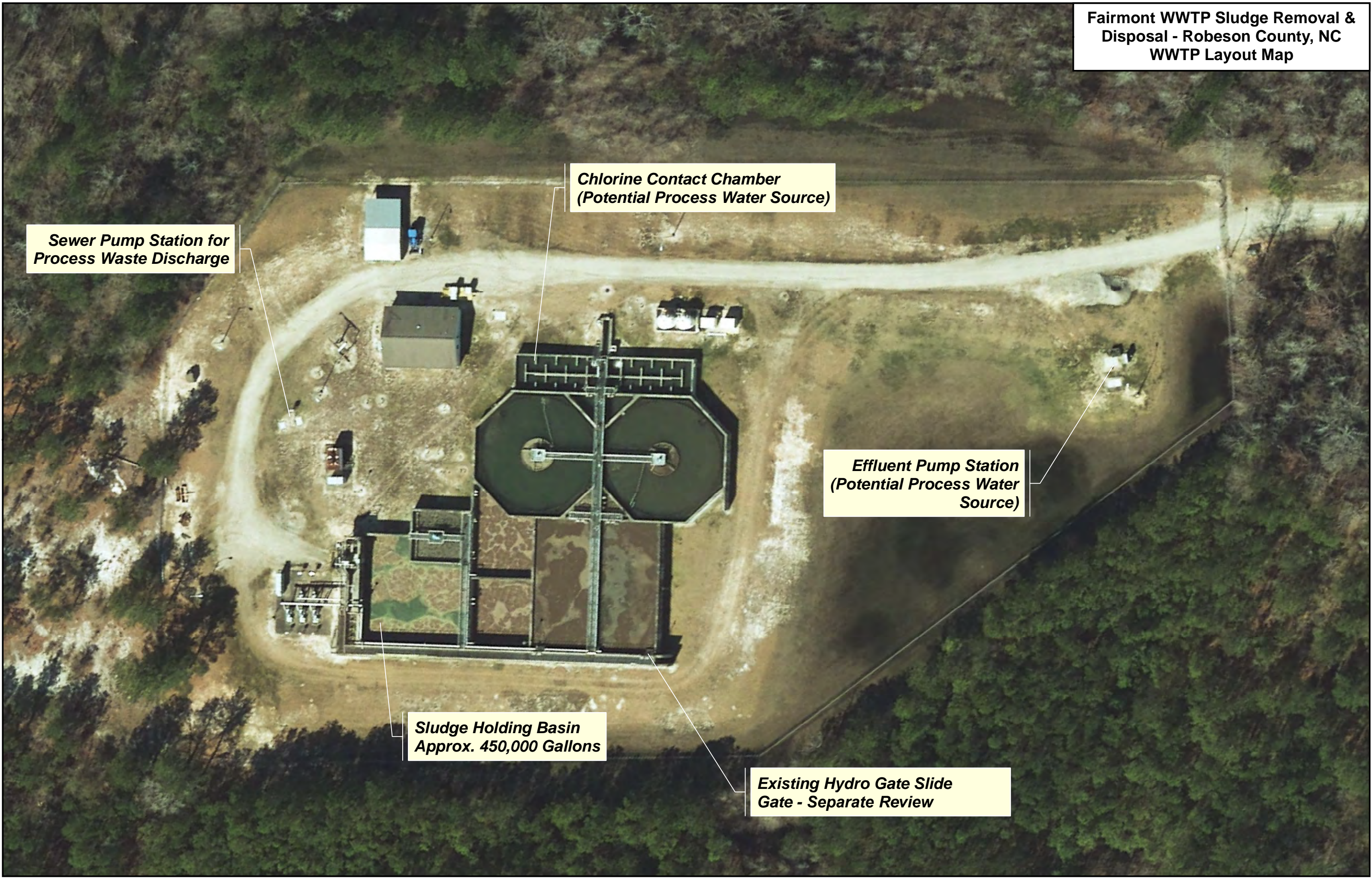
Sewer Pump Station for Process Waste Discharge

**Chlorine Contact Chamber
(Potential Process Water Source)**

**Effluent Pump Station
(Potential Process Water Source)**

**Sludge Holding Basin
Approx. 450,000 Gallons**

Existing Hydro Gate Slide Gate - Separate Review



Fairmont WWTP - NWI Map

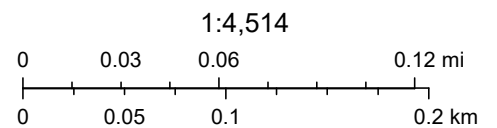


February 13, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland

- Freshwater Pond
- Lake
- Other
- Riverine
- Fairmont WWTP



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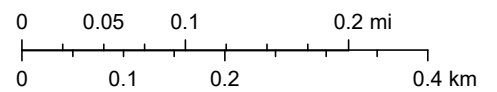
Town of Fairmont WWTP Improvements - Aerial Map



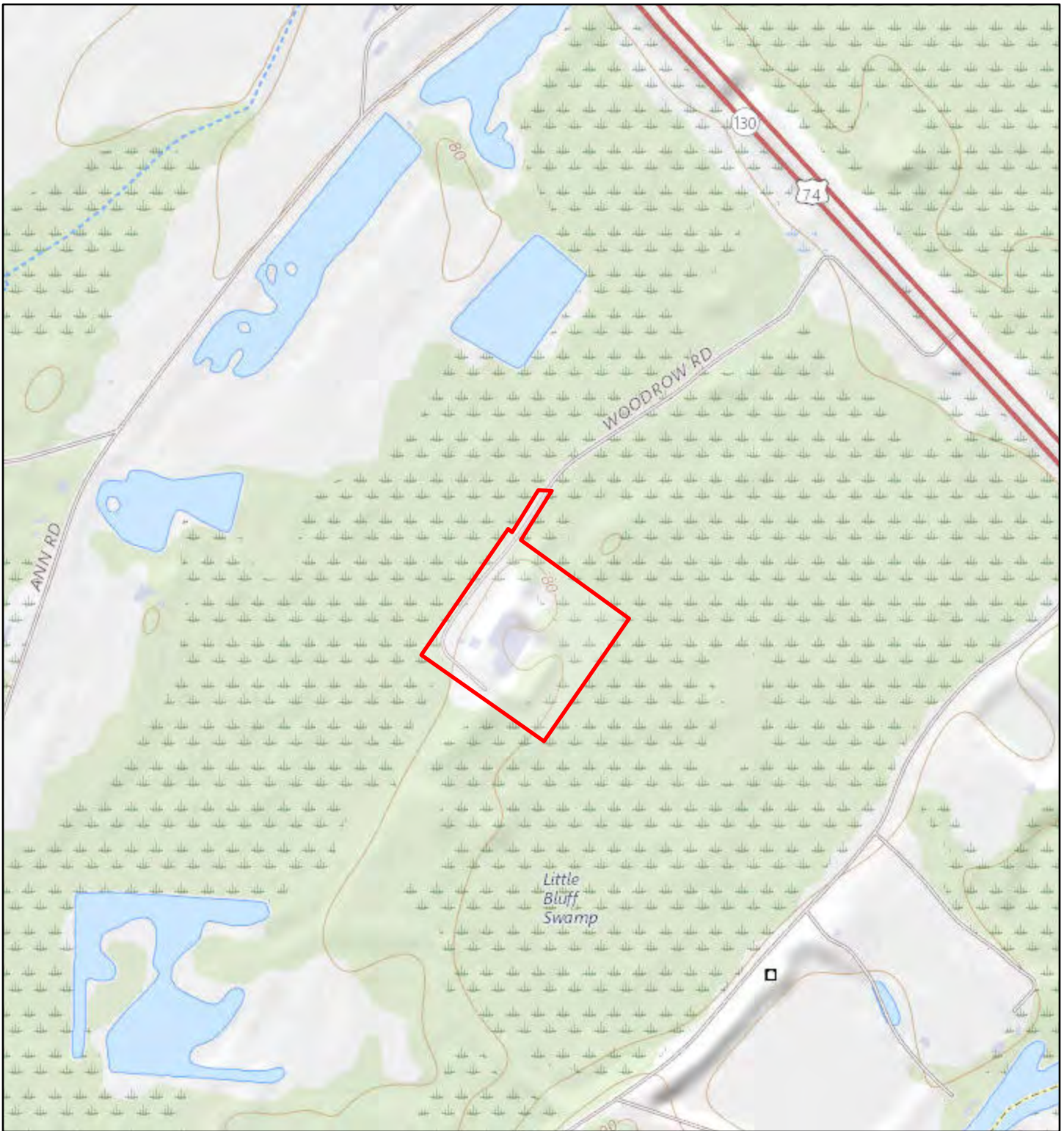
February 13, 2024

 Fairmont WWTP

1:9,028



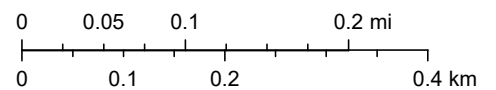
Town of Fairmont WWTP Improvements - Topo Map



February 13, 2024

 Fairmont WWTP

1:9,028

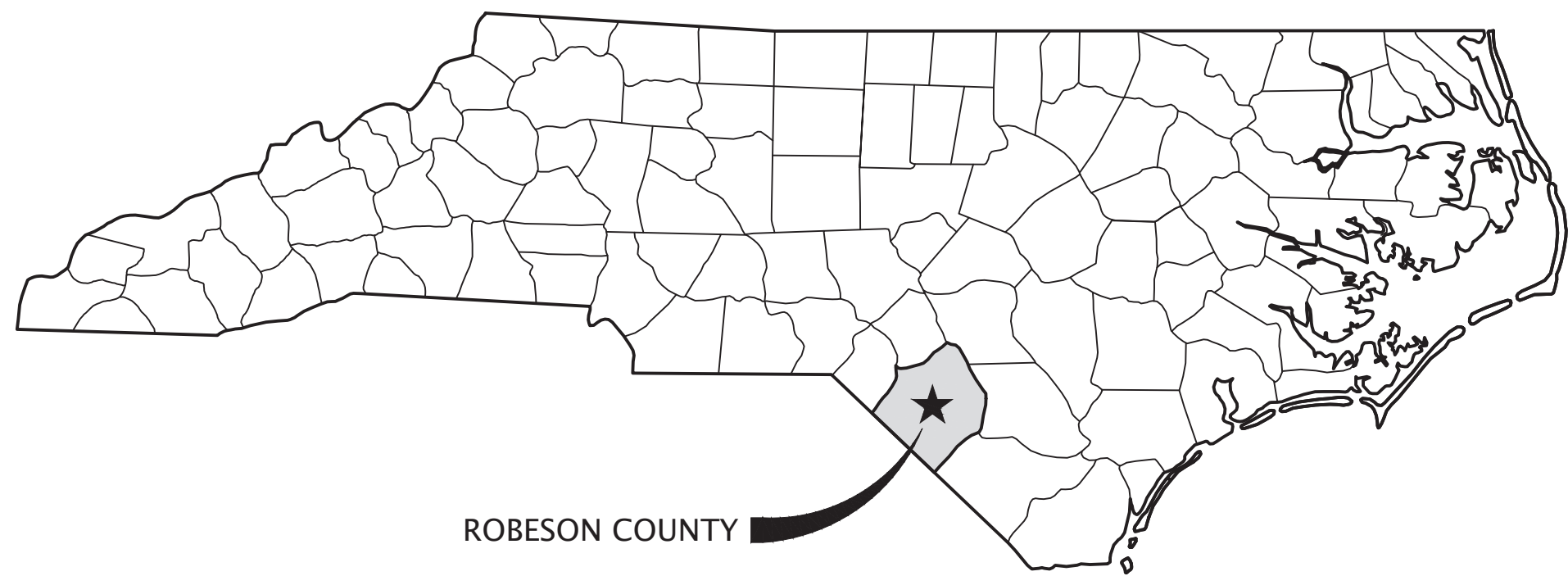


USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S.

WASTEWATER TREATMENT PLANT IMPROVEMENTS - TOWN OF FAIRMONT

FOR ROBESON COUNTY

ROBESON COUNTY, NORTH CAROLINA



ROBESON COUNTY

COUNTY LOCATION MAP

NTS

BOARD OF COMMISSIONERS

CHAIRMAN	-	TOM TAYLOR
VICE CHAIRMAN	-	JOHN CUMMINGS
COMMISSIONER	-	WIXIE STEPHENS
COMMISSIONER	-	PAULINE CAMPBELL
COMMISSIONER	-	FALINE LOCKLEAR DIAL
COMMISSIONER	-	JUDY SAMPSON
COMMISSIONER	-	DAVID EDGE
COMMISSIONER	-	LANCE HERNDON
COUNTY MANAGER	-	KELLIE BLUE
FAIRMONT UTILITIES DIRECTOR	-	RONNIE SEALS

PRELIMINARY - DO NOT USE FOR CONSTRUCTION



LKC

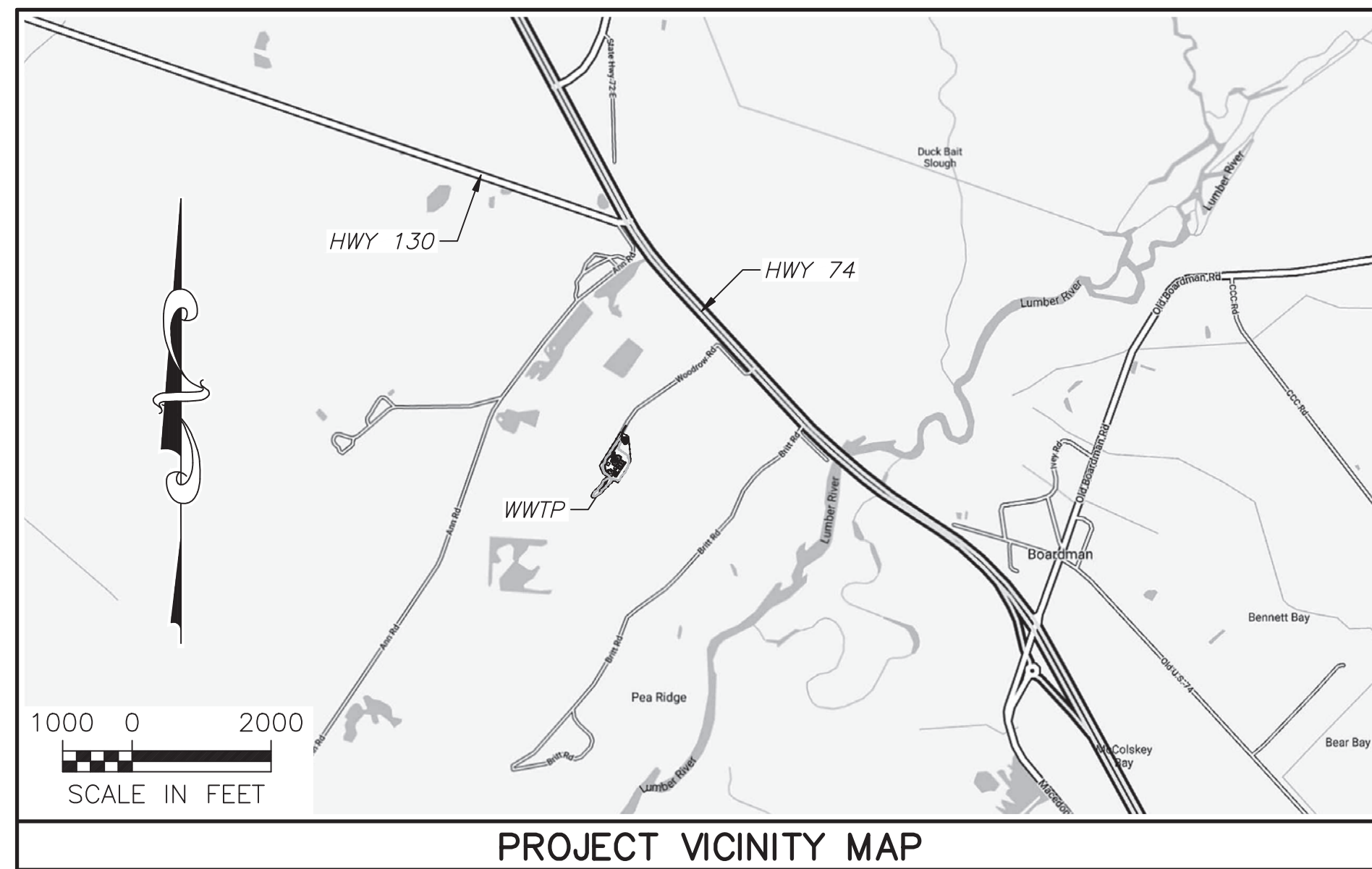
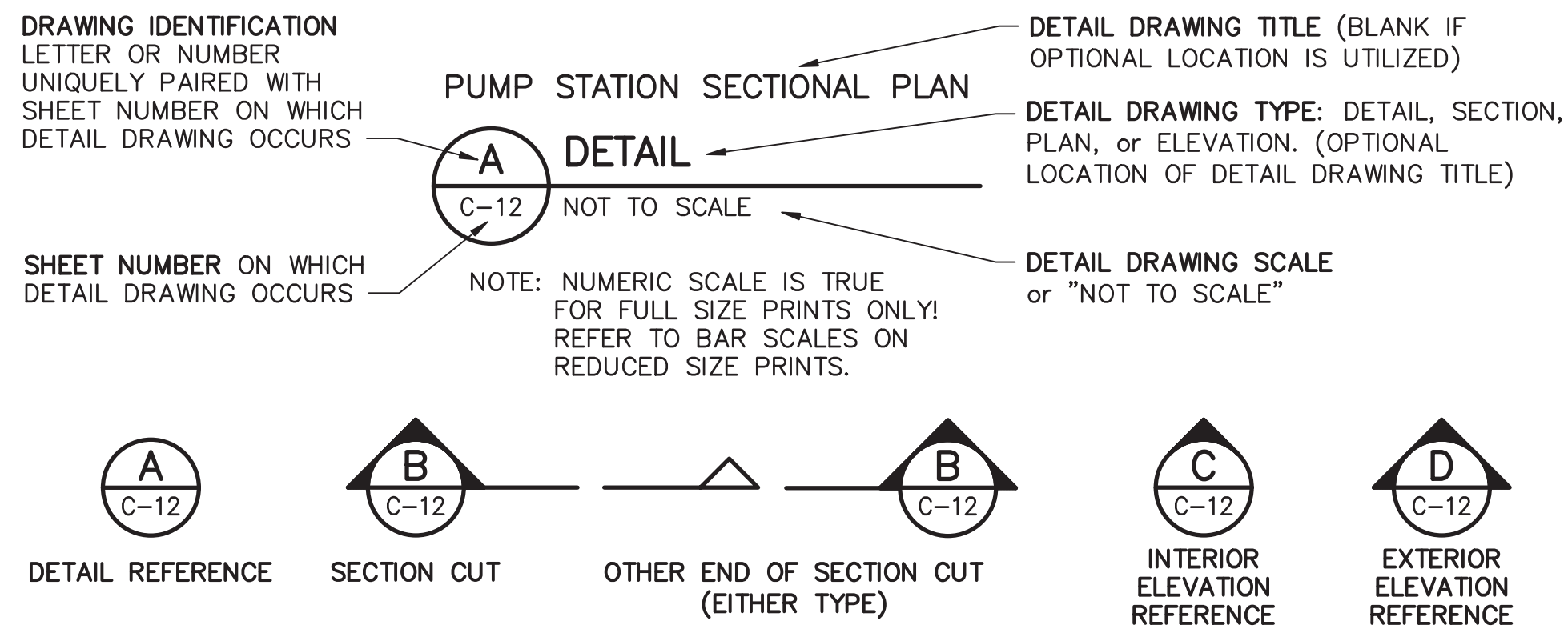
Engineering
Landscape Architecture
Surveying

LKC Engineering, PLLC
140 Aqua Shed Court
Aberdeen, NC 28315
O: 910.420.1437
F: 910.637.0096
lkceengineering.com
License No. P-1095

LEGEND

	EXISTING CHAINLINK FENCE		NEW WATER MAIN
	EXISTING R/W OR PROPERTY BOUNDARY		NEW COMBINATION AIR/VAC RELEASE VALVE
	NEW UTILITY EASEMENT		NEW GATE VALVE
	NEW SANITARY SEWER AND MANHOLE		NEW FIRE HYDRANT ASSEMBLY
	NEW UTILITY EASEMENT		NEW PLUG
	NEW TEMPORARY UTILITY EASEMENT		NEW TEE
	2" FM EXISTING FORCE MAIN		NEW 90° BEND
	EXISTING SEWER CLEANOUT		NEW 45° BEND
	EXISTING SANITARY SEWER AND MANHOLE		
	EXISTING WOODS LINE		
	NEW LIMIT OF CLEARING		
	EXISTING BUILDING		
	EXISTING ASPHALT ROAD/DRIVE		
	EXISTING GRAVEL DRIVE		
	TEMPORARY CONSTRUCTION ENTRANCE		
	EXISTING RIPRAP		
	EXISTING DRAINAGE CULVERT		
	14" W EXISTING WATER MAIN		
	2" G EXISTING NATURAL GAS PIPELINE		
	EXISTING DITCH/STREAM FLOWLINE		
	EXISTING FIRE HYDRANT		
	EXISTING WATER VALVE		
	EXISTING WATER METER		
	EXISTING LIGHT POLE		
	EXISTING POWER POLE		
	EXISTING TELEPHONE POLE		
	EXISTING GUYWIRE		
	EXISTING TELEPHONE PEDESTAL		
	EXISTING IRON PIN		
	EXISTING RIGHT-OF-WAY MONUMENT		
	SURVEY TRAVERSE NAIL		
	EXISTING BORE LOCATION		
	EXISTING FIBER-OPTIC MARKER		
	EXISTING UNDERGROUND FIBER OPTIC CABLE		
	SILT FENCE AND OUTLET		
	TEMPORARY DIVERSION SWALE		
	ENKA MAT SLOPE/SWALE PROTECTION		

DRAWING REFERENCE SYMBOL LEGEND



Sheet List Table

Sheet Number	Sheet Title
General	
G.1	Cover
G.2	Sheet Index
Civil	
C.1	Overall Site Plan
C.2	Existing Pump Station Site And Proposed Grading Plan (Bid Alternate #1)
C.3	Existing Pump Station Plans (Bid Alternate #1)
C.4	Proposed Pump Station Plans (Bid Alternate #1)
C.5	Pump Station Profiles (Bid Alternate #1)
C.6	Existing Headworks And Blowers Site Plan
C.7	Existing Bar Screen Plan And Profile
C.8	Proposed Headworks Modifications

ABBREVIATIONS, ACRONYMS, AND SYMBOLS

&	AND	CFM	CUBIC FEET PER MINUTE	F.F.E.	FINISH FLOOR ELEVATION	LAB	LABORATORY	PSI	POUNDS PER SQUARE INCH	STD	STANDARD
⊙	AT	CHAM.	CHAMFER	FAB.	FABRIC, FABRICATION	LB./LBS.	POUND/POUNDS	PVC	POLYVINYL CHLORIDE	STL.	STEEL
<	LESS THAN	CHAN.	CHANNEL	FIG.	FIGURE	MAS.	MASONRY	QTY.	QUANTITY	STRUCT.	STRUCTURAL
<=	LESS THAN OR EQUAL TO	CHEM.	CHEMICAL	FL	FLOWLINE	MATL	MATERIAL	R	RADIUS	SUPT.	SUPPORT
=	EQUAL(S)	CLR.	CLEAR	FLEX.	FLEXIBLE	MAX.	MAXIMUM	RAS	RETURN ACTIVATED SLUDGE	SW	SOUTHWEST
>	GREATER THAN	CO.	COMPANY	FLG	FLANGE	MCJ	MASONRY CONTROL JOINT	RCP	REINFORCED CONCRETE PIPE	T/	TOP OF
±	PLUS OR MINUS, APPROXIMATELY	COL.	COLUMN	FM	FORCE MAIN	MECH.	MECHANICAL	REBAR	CONCRETE REINFORCING BAR	TCJ	TEMPORARY CONSTRUCTION JOINT
°	DEGREE	CONC.	CONCRETE	FRP	FIBERGLASS REINFORCED PLASTIC	MFR	MANUFACTURER	RED.	REDUC(ER)(ING)	TEMP.	TEMPORARY
A.B.	ANCHOR BOLT	COND.	CONDUIT	FT.	FOOT, FEET	MH	MANHOLE	REF.	REFERENCE	THK.	THICKNESS
A.F.F.	ABOVE FINISHED FLOOR	CONSTR.	CONSTRUCTION	FTG.	FOOTING	MIL	ONE THOUSANDTH	REINF.	REINFORC(ED)(ING)	THR.	THREAD(ED)(S)
ABC	AGGREGATE BASE COURSE	CONT.	CONTINUOUS	GA.	GAUGE	MIN.	MINIMUM	REQ'D	REQUIRED	TOS	TOP OF SLAB
AC.	ACOUSTIC	COORD.	COORDINATE	GAL.	GALLON	MJ	MECHANICAL JOINT	RESTR.	RESTRAIN(ED)(ING)	TOW	TOP OF WALL
ACT.	ACTUAL	CTRD	CENTERED	GALV.	GALVANIZED	MPH	MILES PER HOUR	RJ	RESTRAINED JOINT	TYP.	TYPICAL
ADA	AMERICANS WITH DISABILITIES ACT OF 1990 (U.S.)	€	CENTERLINE	N	NORTH	RPM	REVOLUTIONS PER MINUTE	RW	RECLAIMED WATER	U.L.	UNDERWRITERS LABORATORIES
ADD'L	ADDITIONAL	D	DIAMETER	GFI	GROUND FAULT INTERRUPT	N.C.	NORTH CAROLINA	S	SOUTH, SEWER	UON	UNLESS OTHERWISE NOTED
AFF	ABOVE FINISH FLOOR	D.I.	DUCTILE IRON	GV	GATE VALVE	N.T.S.	NOT TO SCALE	S.S.	STAINLESS STEEL	UV	ULTRAVIOLET
AIR/VAC	AIR RELEASE AND VACUUM RELIEF	D.I.P.	DUCTILE IRON PIPE	H.D.G.	HOT DIP GALVANIZE(D)	N/A	NOT APPLICABLE	S.Y.P.	SOUTHERN YELLOW PINE	V.	VOLT
ALT	ALTERNATE	HDWR.	HARDWARE	HEX	HEXAGONAL	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	SBR	SEQUENCING BATCH REACTOR	VERT	VERTICAL
ALUM.	ALUMINUM	DIA.	DIAMETER	HK	HOOK	NIC	NOT IN CONTRACT	SCFM	STANDARD CUBIC FEET PER MINUTE	VFD	VARIABLE FREQUENCY DRIVE
AMP	AMPERES	HORIZ.	HORIZONTAL	NO.	NUMBER	NO.	NUMBER	SCM	SCHEDULE	W	WEST, WATER
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	DIM.	DIMENSION	HP	HIGH POINT	NOM.	NOMINAL	SD	STORM DRAIN	W/	WITH
ARCH.	ARCHITECTURAL	DWGS	DRAWINGS	HR.	HOUR	NPT	NATIONAL PIPE THREAD	SDR	STANDARD DIMENSION RATIO	W/O	WITHOUT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	DWLS	DOWELS	HT.	HEIGHT	NW	NORTHWEST	SF	SQUARE FEET	WAS	WASTE ACTIVATED SLUDGE
BF	BLIND FLANGE	E	EAST	HWL	HIGH WATER LEVEL	O	OXYGEN	SHT.	SHEET	WL	WATER LEVEL
BFV	BUTTERFLY VALVE	EA.	EACH	HYD.	HYDRANT	⊙	DIAMETER	SHR	SHOWER	WWF	WELDED WIRE FABRIC
BLDG	BUILDING	EF	EACH FACE	HZ	HERTZ	O.C.	ON CENTER	SIM.	SIMILAR	WWTP	WASTEWATER TREATMENT PLANT
BTUH	BRITISH THERMAL UNIT HOUR	EFFL.	EFFLUENT	I.D.	INSIDE DIAMETER	O.D.	OUTSIDE DIAMETER	SPA	SPACE	XFMR	TRANSFORMER
C.I.P.	CAST-IN-PLACE	EQ	EQUALIZATION	INV.	INVERT	OPNG	OPENING	SPECS	SPECIFICATIONS	YH	YARD HYDRANT
C.M.U.	CONCRETE MASONRY UNIT	EQUIP.	EQUIPMENT	JT.	JOINT	OZ	OUNCE	SO.	SQUARE		
C.O.	CLEAN OUT	EW	EACH WAY	K	KILO, THOUSAND	PE	PLAIN END	SR	STATE ROAD		
CAP.	CAPACITY	EXIST.	EXISTING	KVA	KILOVOLT-AMPERE	PED.	PEDESTAL	SS	SANITARY SEWER		
		EXP.	EXPANSION	KW	KILOWATT	PLCS	PLACES	STA	STATION		
		EXT.	EXTENSION	L.F.	LINEAR FEET	PSF	POUNDS PER SQUARE FOOT				

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Sheet Index

WASTEWATER TREATMENT PLANT IMPROVEMENTS FOR THE TOWN OF FAIRMONT
Robeson County, North Carolina

DATE: December, 2023
DESIGNED: MAL
DRAWN: DJN
CHECKED: MAL
NO.

G.2

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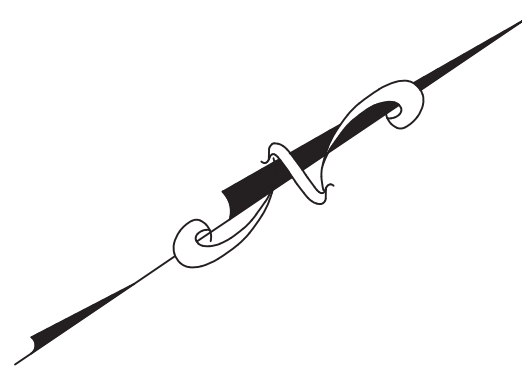
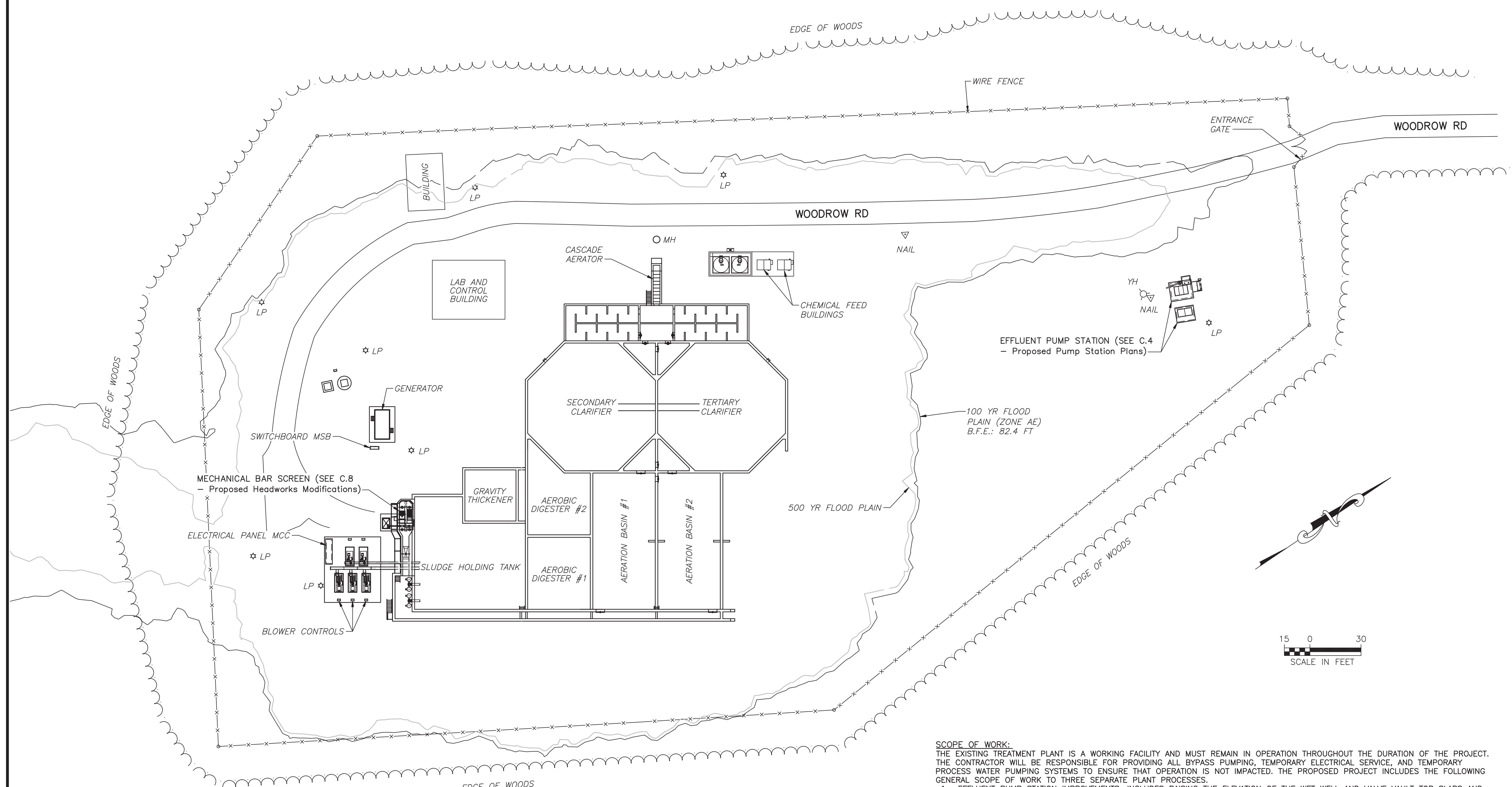
Overall Site Plan

WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

DATE:	December, 2023
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C.1

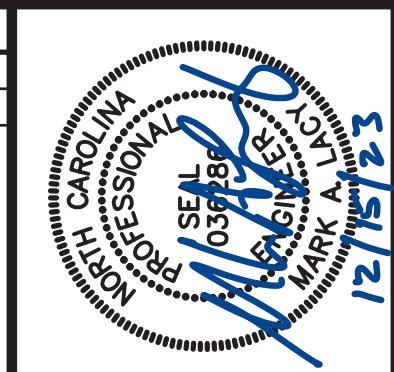
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- SCOPE OF WORK:**
 THE EXISTING TREATMENT PLANT IS A WORKING FACILITY AND MUST REMAIN IN OPERATION THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING ALL BYPASS PUMPING, TEMPORARY ELECTRICAL SERVICE, AND TEMPORARY PROCESS WATER PUMPING SYSTEMS TO ENSURE THAT OPERATION IS NOT IMPACTED. THE PROPOSED PROJECT INCLUDES THE FOLLOWING GENERAL SCOPE OF WORK TO THREE SEPARATE PLANT PROCESSES.
1. EFFLUENT PUMP STATION IMPROVEMENTS: INCLUDES RAISING THE ELEVATION OF THE WET WELL AND VALVE VAULT TOP SLABS AND ACCESS, ADDITION OF A BYPASS PUMP CONNECTION ON THE EXISTING EFFLUENT FORCE MAIN, AND RELOCATION OF EXISTING PUMP CONTROL AND ELECTRICAL COMPONENTS ON AN ELEVATED STRUCTURE. THE WORK WILL INCLUDE ALL OTHER NECESSARY WORK TO PROVIDE A FUNCTIONING SYSTEM INCLUDING REPLACEMENT OF WIRING OR PUMP LEADS AS NEEDED, MODIFICATION OF PUMP REMOVAL SYSTEM, FLOAT CONTROL MODIFICATIONS, NEW CONNECTIONS TO THE WET WELL, AND ALL OTHER ITEMS NECESSARY TO COMPLETE THIS PORTION OF THE WORK.
 2. MECHANICAL BAR SCREEN REHABILITATION OR REPLACEMENT: INCLUDES EITHER THE COMPLETE REBUILD OF THE EXISTING BAR SCREEN, OR REMOVAL AND REPLACEMENT OF THE EXISTING UNIT WITH NEW EQUIPMENT. INCLUDES ALL NECESSARY ELECTRICAL MODIFICATIONS, CONTROL PANEL COMPONENT REPLACEMENT, AND ANY MODIFICATIONS TO EXISTING STRUCTURES REQUIRED.
 3. BLOWER CONTROL PANEL REPLACEMENT: INCLUDES REMOVAL OF THREE EXISTING BLOWER CONTROL UNITS AND REPLACEMENT IN ONE LOCATION WITH NEW ENCLOSURE, AND NEW WEATHER HOOD FOR EACH UNIT.

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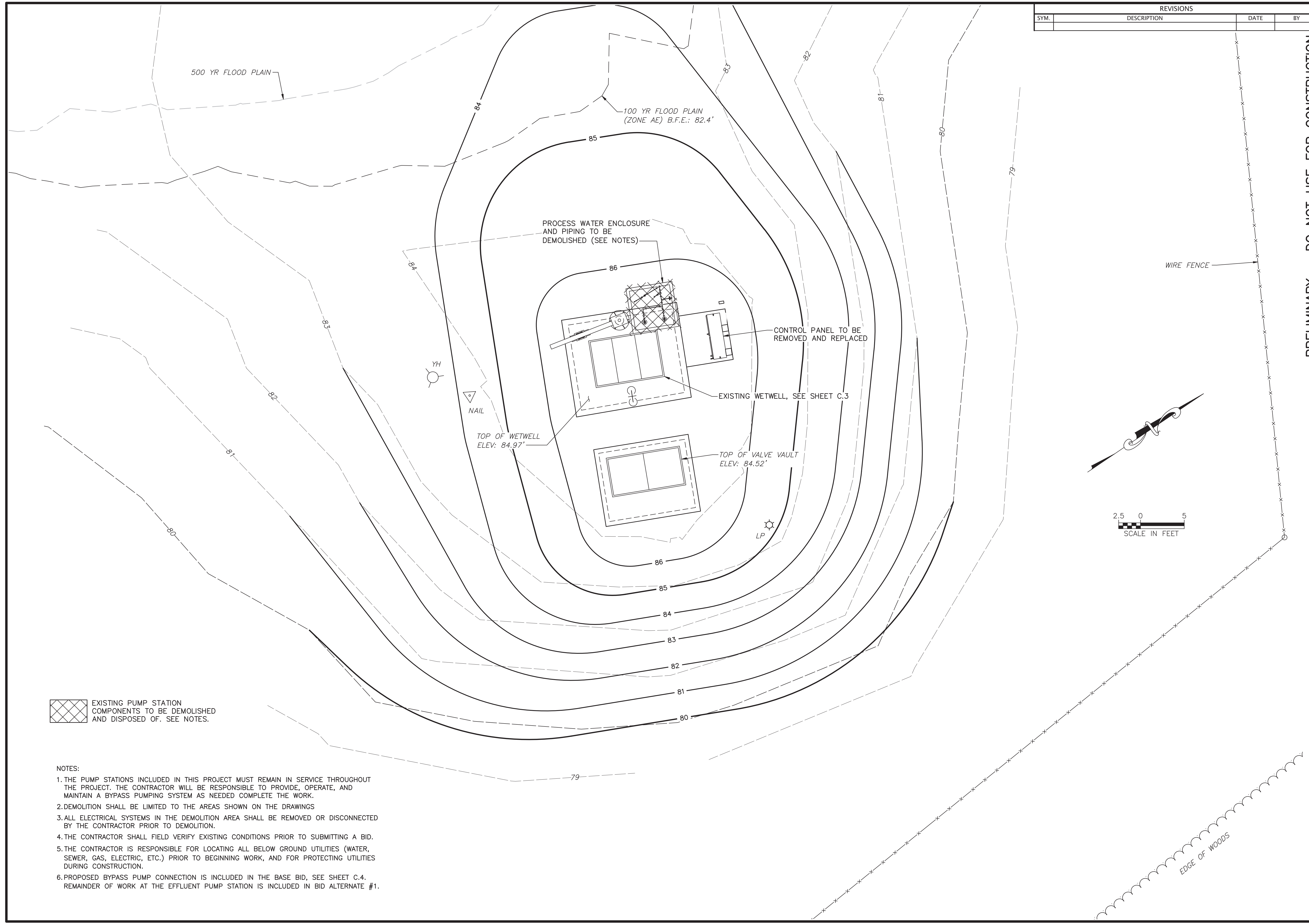


Existing Pump Station
 Site And Proposed
 Grading Plan
 (Bid Alternate #1)

WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

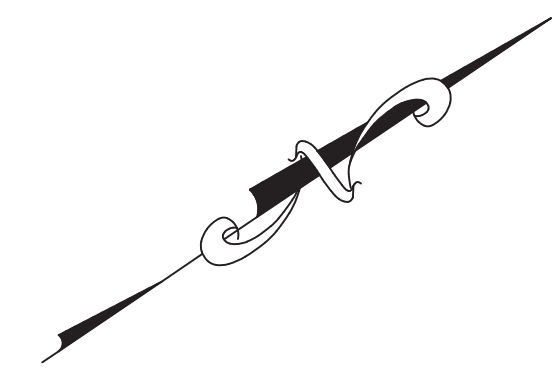
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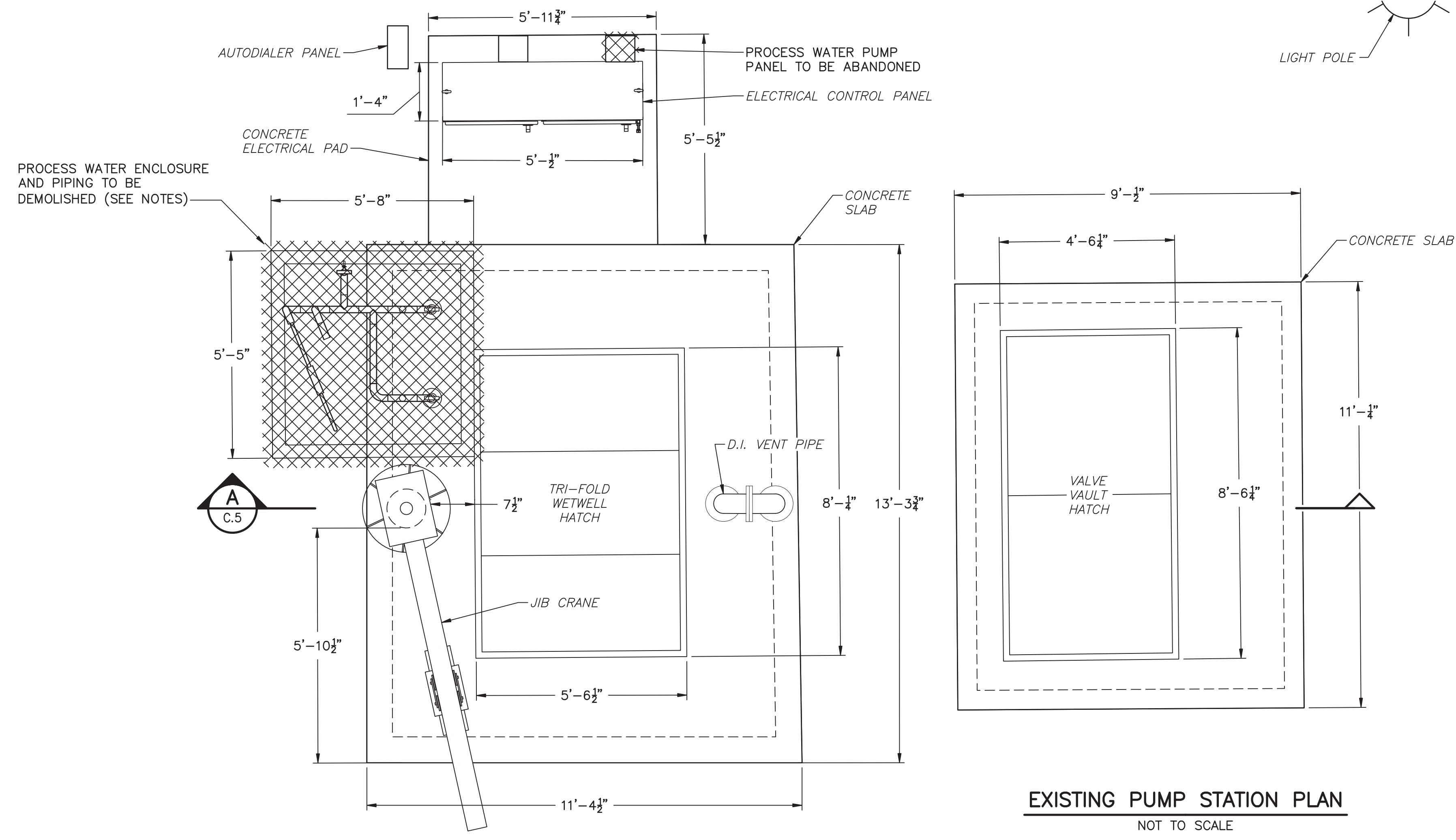


EXISTING PUMP STATION COMPONENTS TO BE DEMOLISHED AND DISPOSED OF. SEE NOTES.

- NOTES:
1. THE PUMP STATIONS INCLUDED IN THIS PROJECT MUST REMAIN IN SERVICE THROUGHOUT THE PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE, OPERATE, AND MAINTAIN A BYPASS PUMPING SYSTEM AS NEEDED COMPLETE THE WORK.
 2. DEMOLITION SHALL BE LIMITED TO THE AREAS SHOWN ON THE DRAWINGS
 3. ALL ELECTRICAL SYSTEMS IN THE DEMOLITION AREA SHALL BE REMOVED OR DISCONNECTED BY THE CONTRACTOR PRIOR TO DEMOLITION.
 4. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING A BID.
 5. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL BELOW GROUND UTILITIES (WATER, SEWER, GAS, ELECTRIC, ETC.) PRIOR TO BEGINNING WORK, AND FOR PROTECTING UTILITIES DURING CONSTRUCTION.
 6. PROPOSED BYPASS PUMP CONNECTION IS INCLUDED IN THE BASE BID, SEE SHEET C.4. REMAINDER OF WORK AT THE EFFLUENT PUMP STATION IS INCLUDED IN BID ALTERNATE #1.

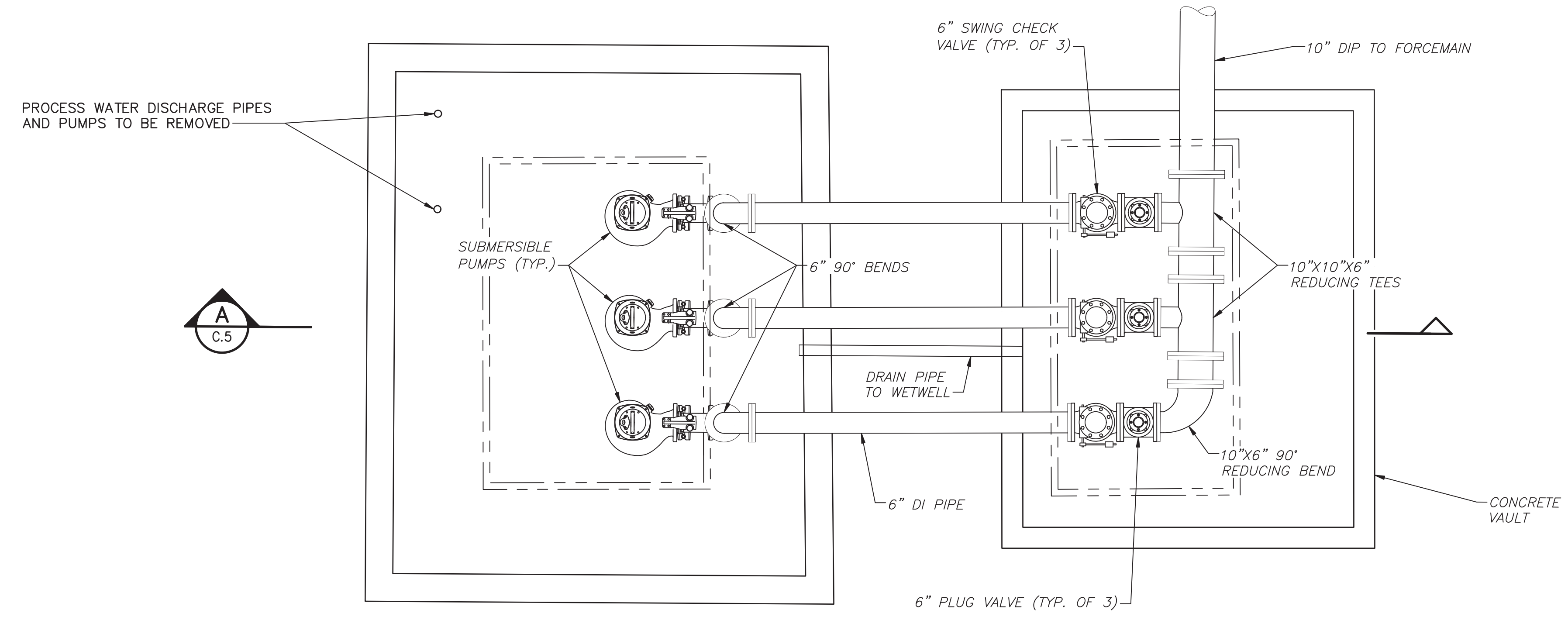


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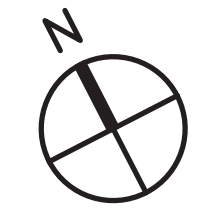
NOTE:
 CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO BEGINNING WORK. IT IS STRONGLY RECOMMENDED THAT POTENTIAL BIDDERS VISIT THE SITE PRIOR TO SUBMITTING A BID.

- GENERAL SCOPE OF WORK / CONSTRUCTION SEQUENCE – EFFLUENT PUMP STATION**
1. THE FOLLOWING SCOPE OF WORK IS NOT INTENDED TO BE EXHAUSTIVE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL INCIDENTAL WORK.
 2. ADD BYPASS PUMP CONNECTION AND VALVES TO THE EXISTING EFFLUENT FORCEMAIN
 3. DEMOLISH EXISTING PROCESS WATER PIPING, VALVES, PUMPS, DROP LEGS, AND ENCLOSURE.
 4. SET UP BYPASS PUMPING SYSTEM, REMOVE EXISTING WET WELL & VALVE VAULT TOP SLAB, ADD RISER SECTIONS, REINSTALL TOP SLAB, REPLACE REMOVAL RAILS.
 5. REMOVE EXISTING CONTROL PANEL, EXTEND / REPLACE EXISTING CONDUITS, GRADE SITE TO PROPOSED ELEVATION, INSTALL A NEW EQUIPMENT PAD AND REINSTALL EXISTING CONTROL PANEL AND WIRING.



EXISTING PUMP STATION BOTTOM PLAN
NOT TO SCALE

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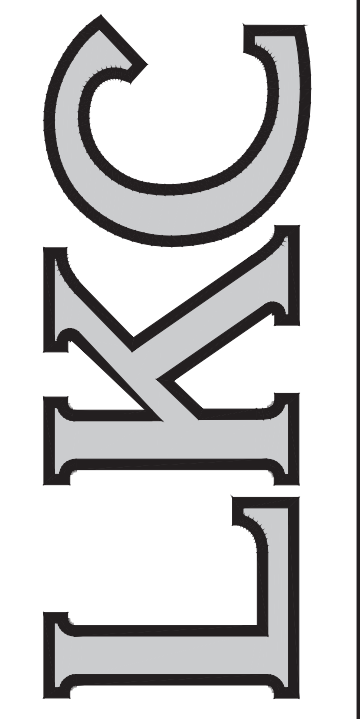


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Existing Pump Station
 Plans
 (Bid Alternate #1)

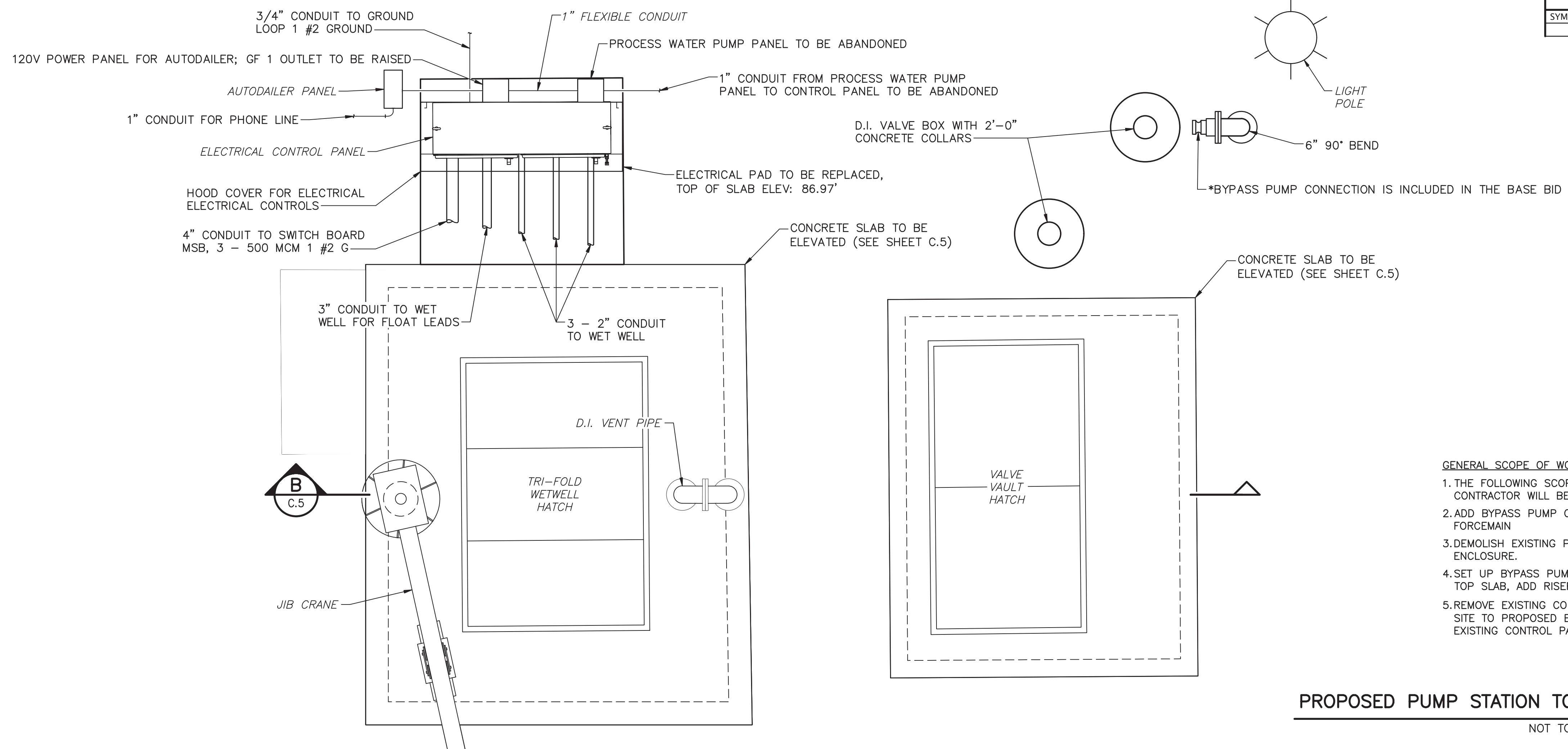
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 FOR THE
 TOWN OF FAIRMONT
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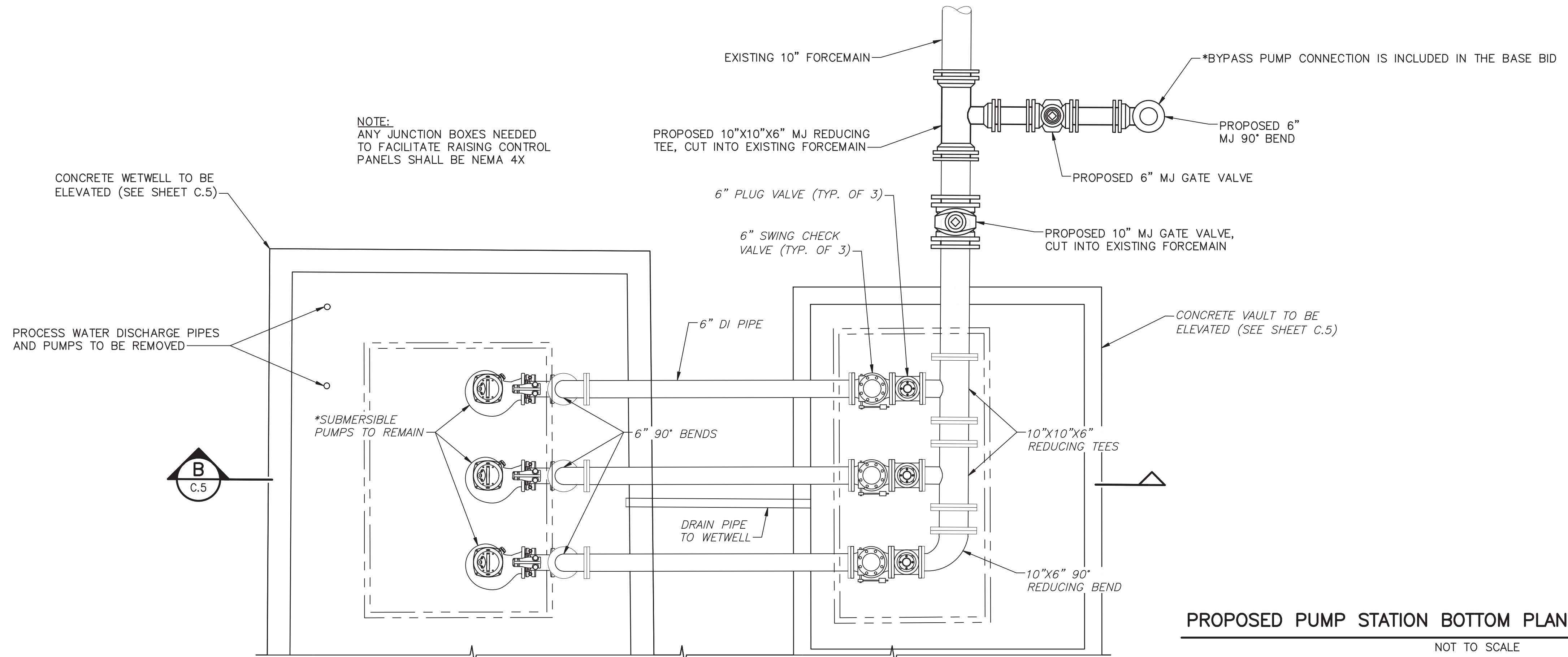
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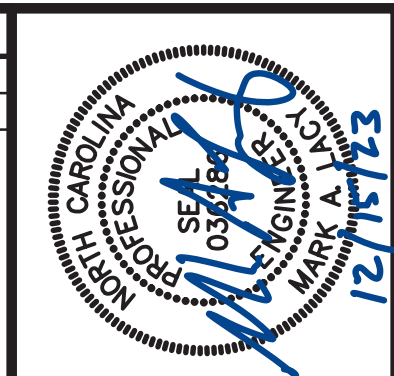
PROPOSED PUMP STATION TOP PLAN (BID ALTERNATE #1)

NOT TO SCALE



PROPOSED PUMP STATION BOTTOM PLAN (BID ALTERNATE #1)

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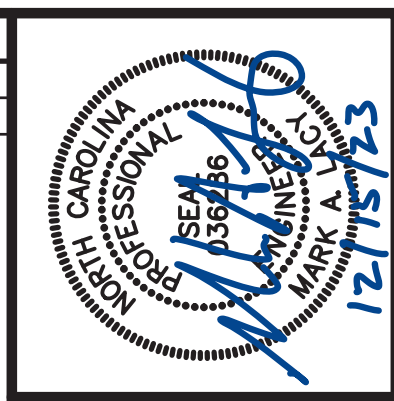
Proposed Pump Station Plans
(Bid Alternate #1)

WASTEWATER TREATMENT
PLANT IMPROVEMENTS
FOR THE
TOWN OF FAIRMONT
Robeson County, North Carolina

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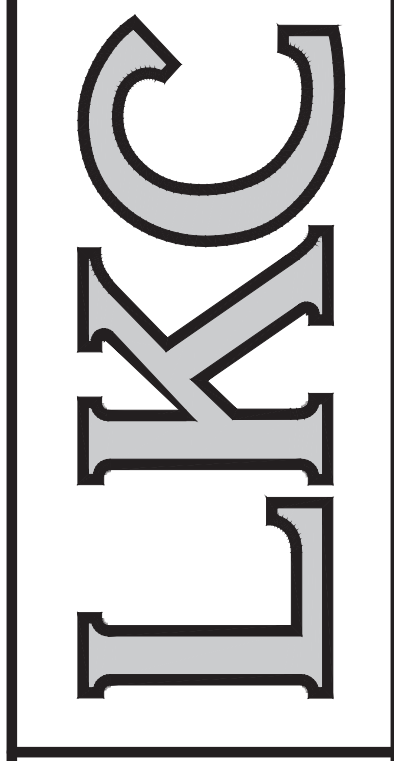
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Pump Station Profiles
 (Bid Alternate #1)

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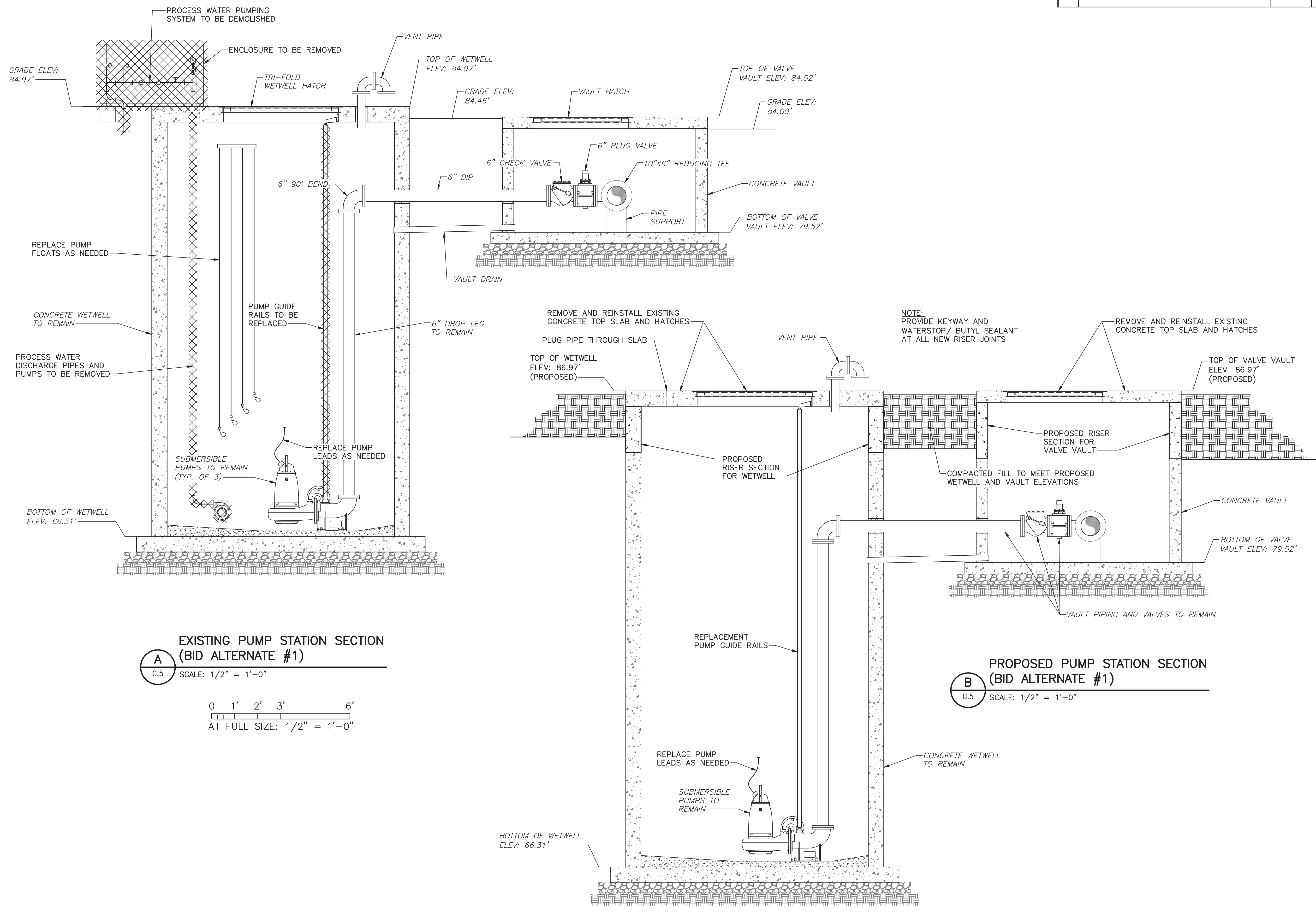
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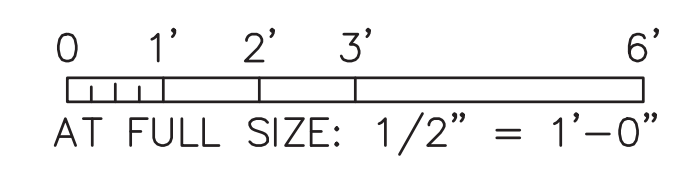
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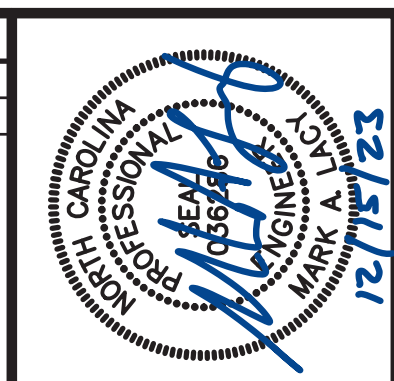
A EXISTING PUMP STATION SECTION
 (BID ALTERNATE #1)
 C.5 SCALE: 1/2" = 1'-0"



B PROPOSED PUMP STATION SECTION
 (BID ALTERNATE #1)
 C.5 SCALE: 1/2" = 1'-0"

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Existing Headworks And
 Blowers Site Plan

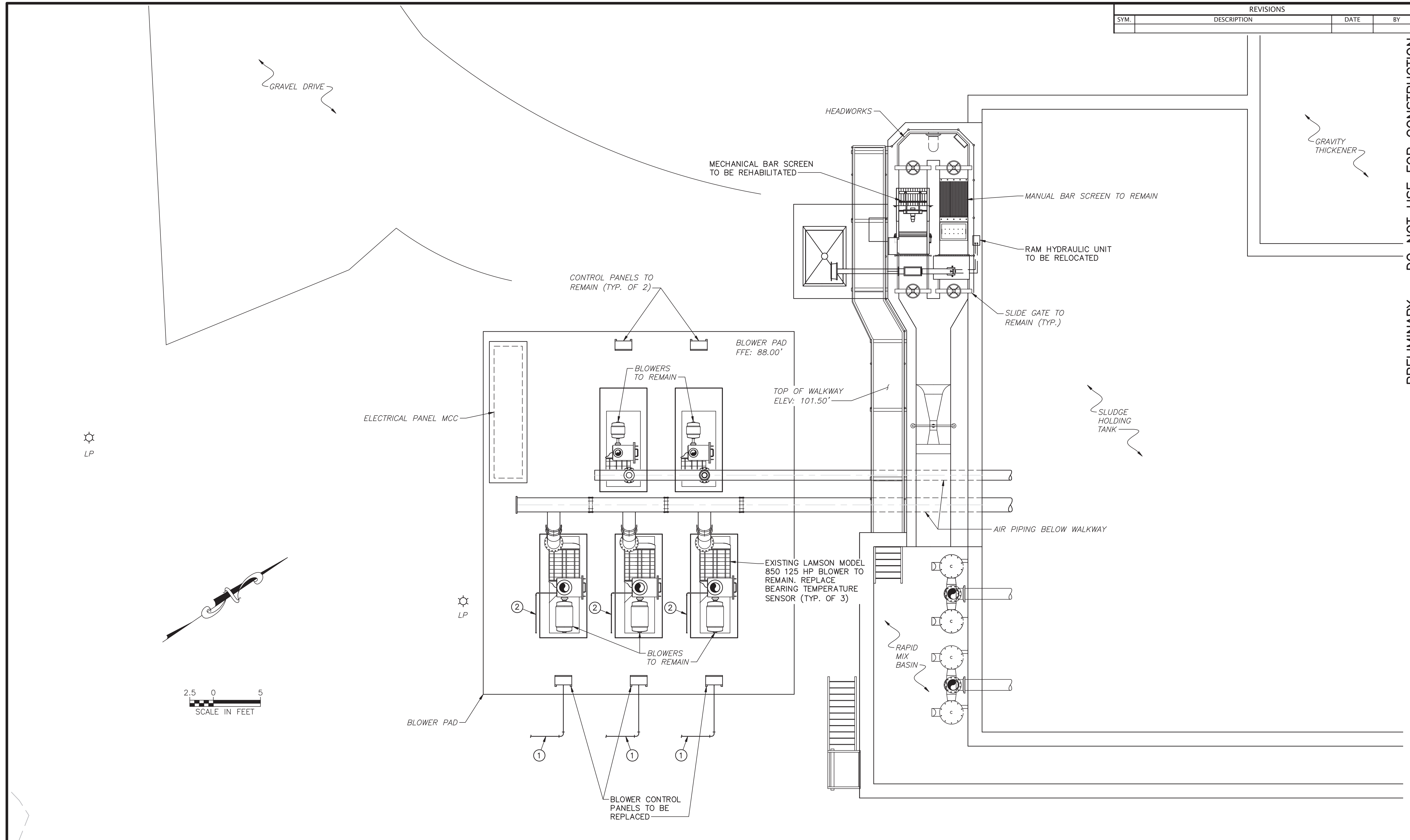
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 PLANT IMPROVEMENTS
 FOR THE
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 Robeson County, North Carolina

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CHECKED: MAL
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C.6

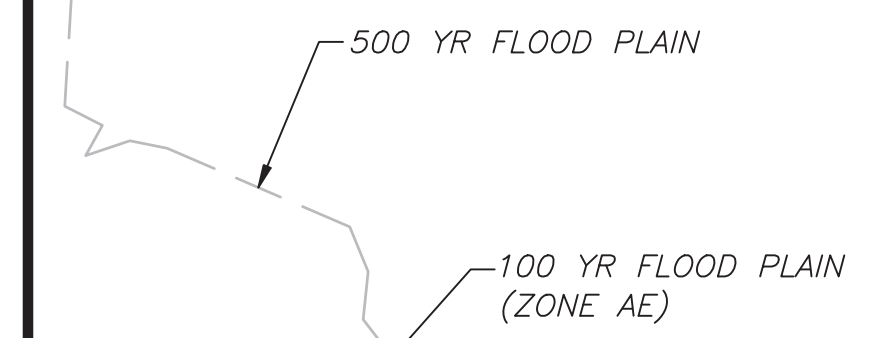
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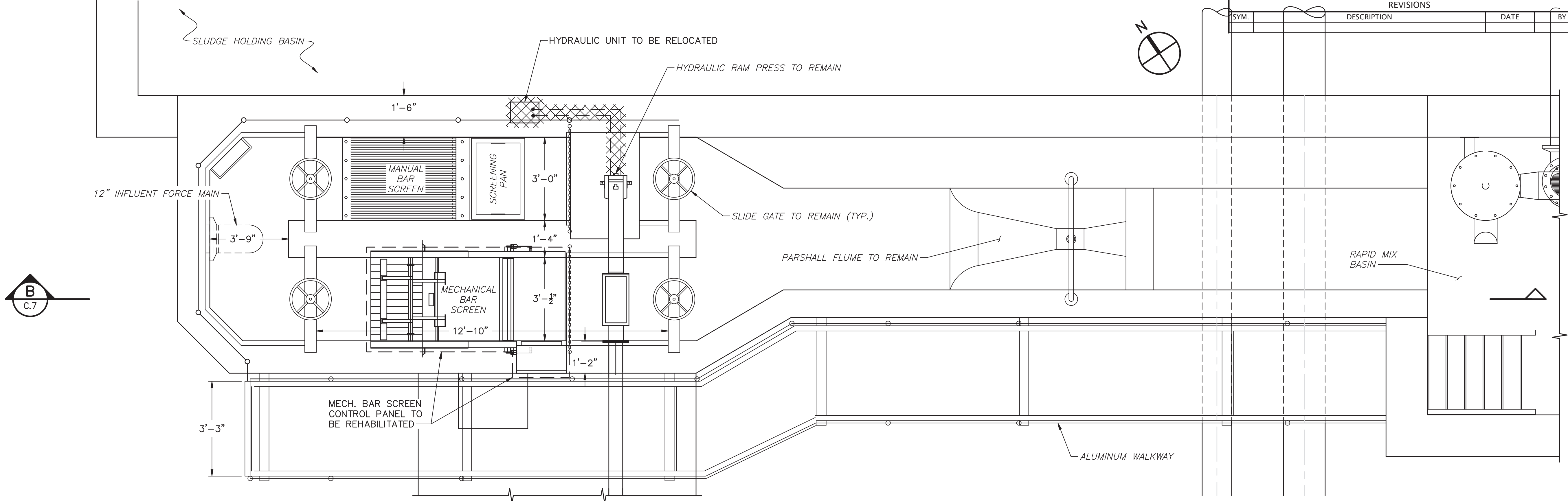
KEY NOTE LEGEND	
①	3 - 410, 2 #12, 1 #3G, 2 1/2" CONDUIT TO ELECTRICAL PANEL MCC
②	8 - #14, 1 #14G, 3/4" CONDUIT TO RESPECTIVE BLOWER CONTROL PANEL

- BLOWER CONTROL PANEL REPLACEMENT NOTES**
1. REMOVE EXISTING EQUIPMENT SUCH THAT (2) BLOWERS WILL REMAIN OPERATIONAL AT ALL TIMES.
 2. PROVIDE AND INSTALL ALUMINUM SHELTER FOR EACH ENCLOSURE.

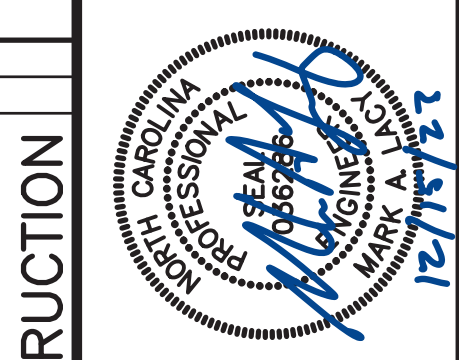
- SCOPE OF WORK / CONSTRUCTION SEQUENCE - BAR SCREEN REHABILITATION**
1. DIVERT FLOW TO MANUAL BAR SCREEN, DEWATER AND CLEAN MECHANICAL BAR SCREEN AND CHANNEL
 2. COMPLETE REHABILITATION OF EXISTING BAR SCREEN AND CONTROLS COMPONENT REPLACEMENT IN EXISTING ENCLOSURE
 3. INSTALL GALVANIZED STEEL SUPPORT PLATFORM WITH HANDRAILS AND KICKPLATE AND RELOCATE EXISTING HYDRAULIC UNIT AND HOSE.



L:\SubCo-22.02 - Fairmont WWTFS Improvements & Canal Cleaning\800 Drawings\810 Design Drawings\02 Civil\WTFPS Contract\RobCo-22.02 Existing Bar Screen Plan and Profile.dwg; Last Saved By: DANIEL, 8/28/2023 2:53:00 PM; Existing Bar Screen Plan and Profile; Plotted By: Daniel Nestor, 12/14/23
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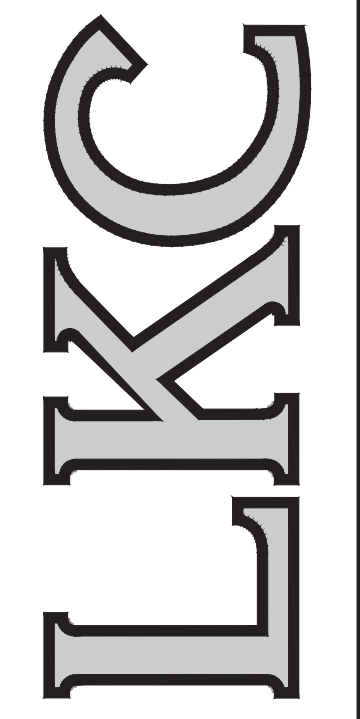


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Existing Bar Screen Plan
 And Profile

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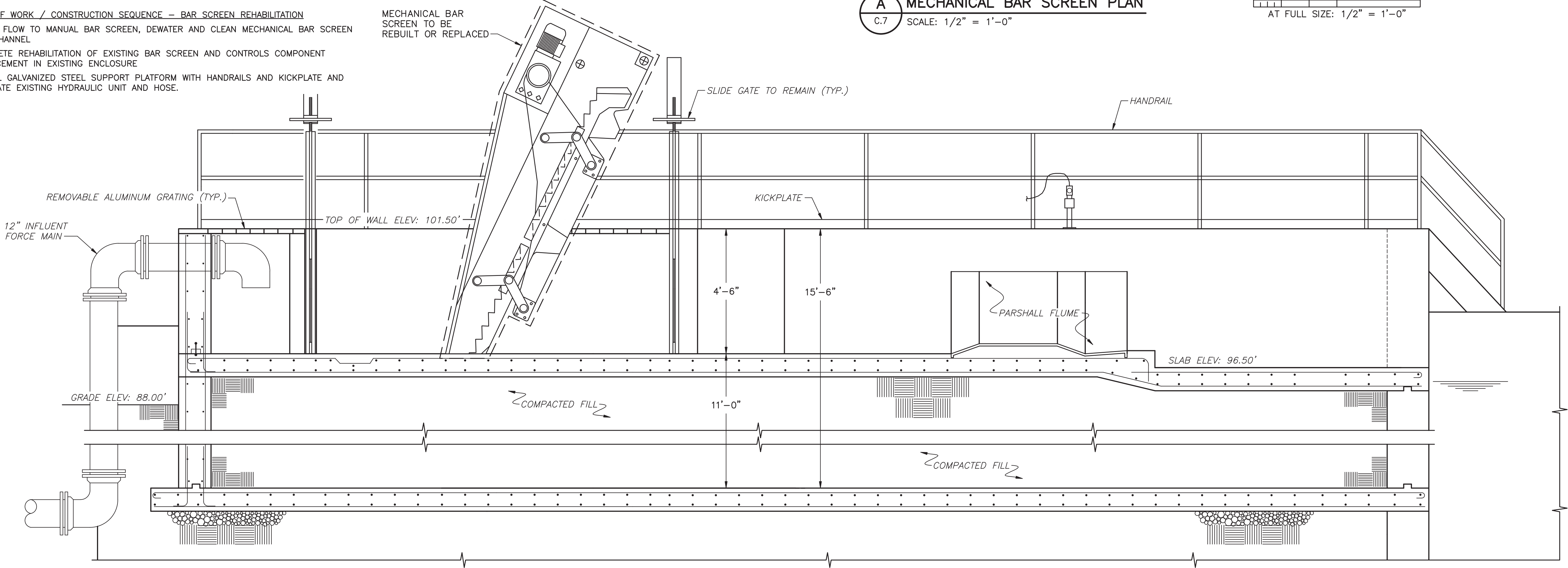
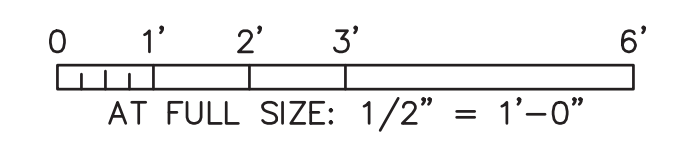
C.7

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- SCOPE OF WORK / CONSTRUCTION SEQUENCE - BAR SCREEN REHABILITATION**
- DIVERT FLOW TO MANUAL BAR SCREEN, DEWATER AND CLEAN MECHANICAL BAR SCREEN AND CHANNEL
 - COMPLETE REHABILITATION OF EXISTING BAR SCREEN AND CONTROLS COMPONENT REPLACEMENT IN EXISTING ENCLOSURE
 - INSTALL GALVANIZED STEEL SUPPORT PLATFORM WITH HANDRAILS AND KICKPLATE AND RELOCATE EXISTING HYDRAULIC UNIT AND HOSE.

MECHANICAL BAR SCREEN TO BE REBUILT OR REPLACED

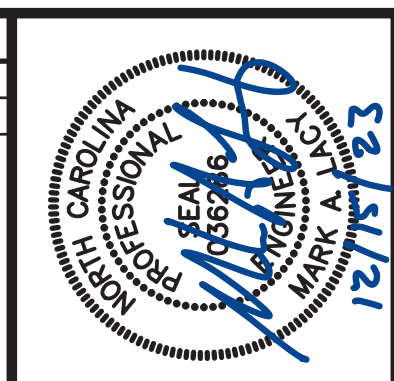
A MECHANICAL BAR SCREEN PLAN
C.7 SCALE: 1/2" = 1'-0"



B MECHANICAL BAR SCREEN PROFILE
C.7 SCALE: 1/2" = 1'-0"

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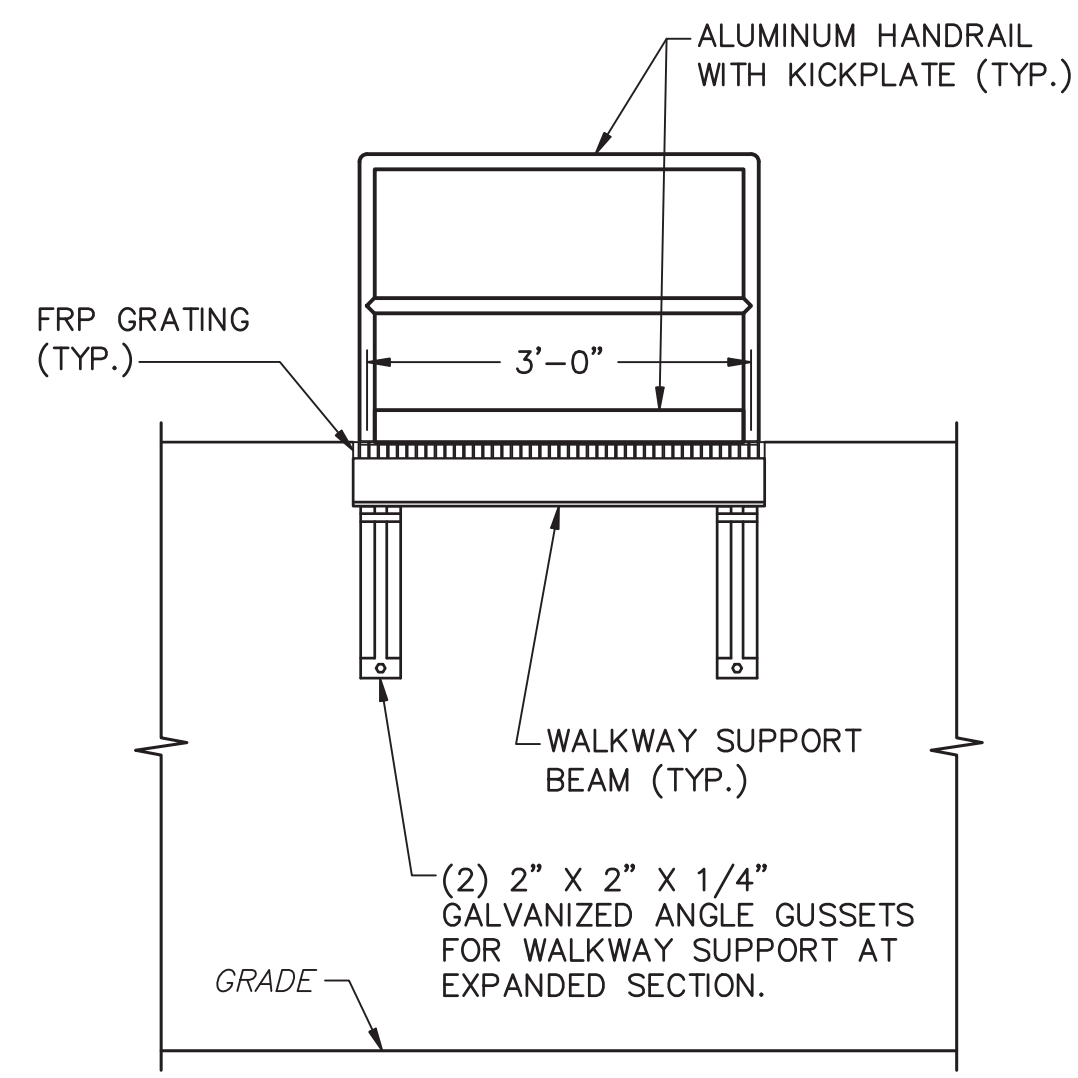
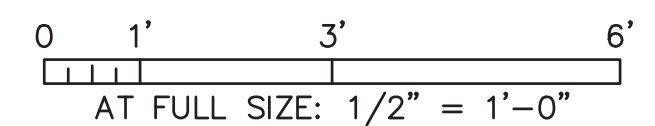
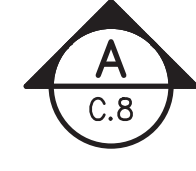
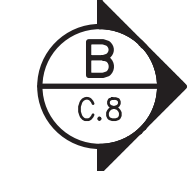
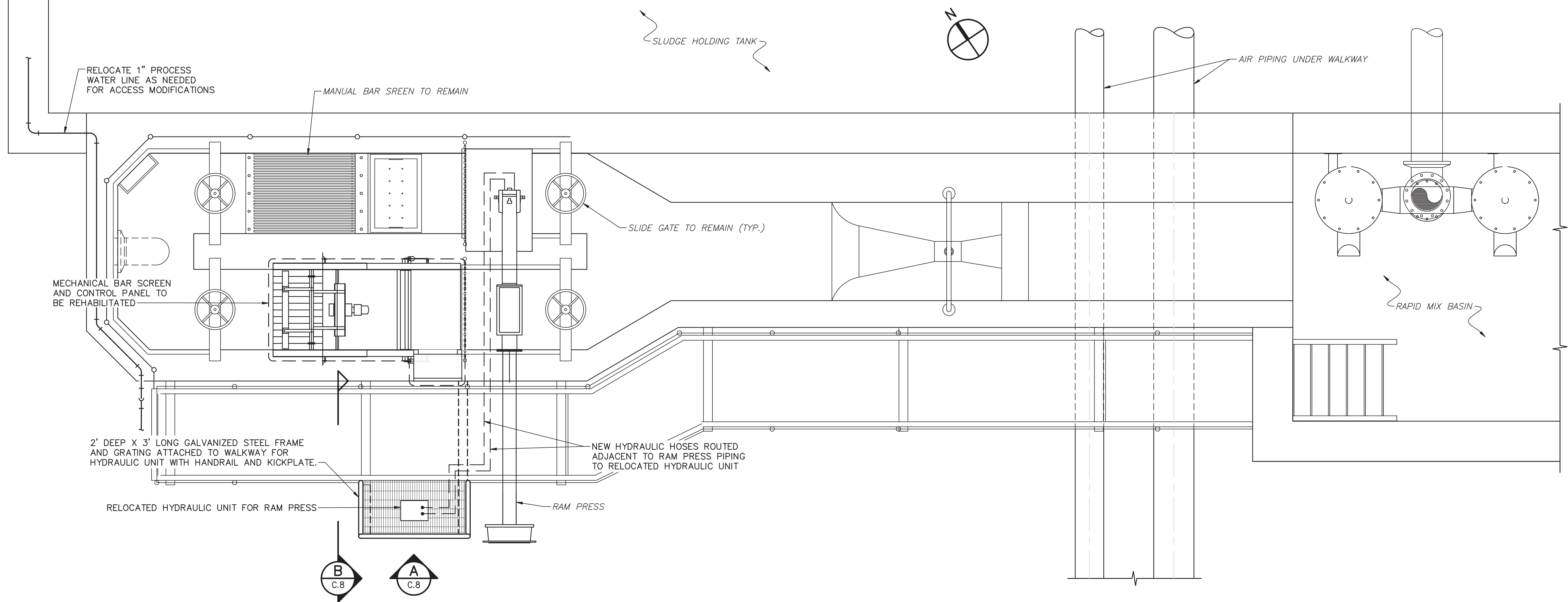


Proposed Headworks
 Modifications

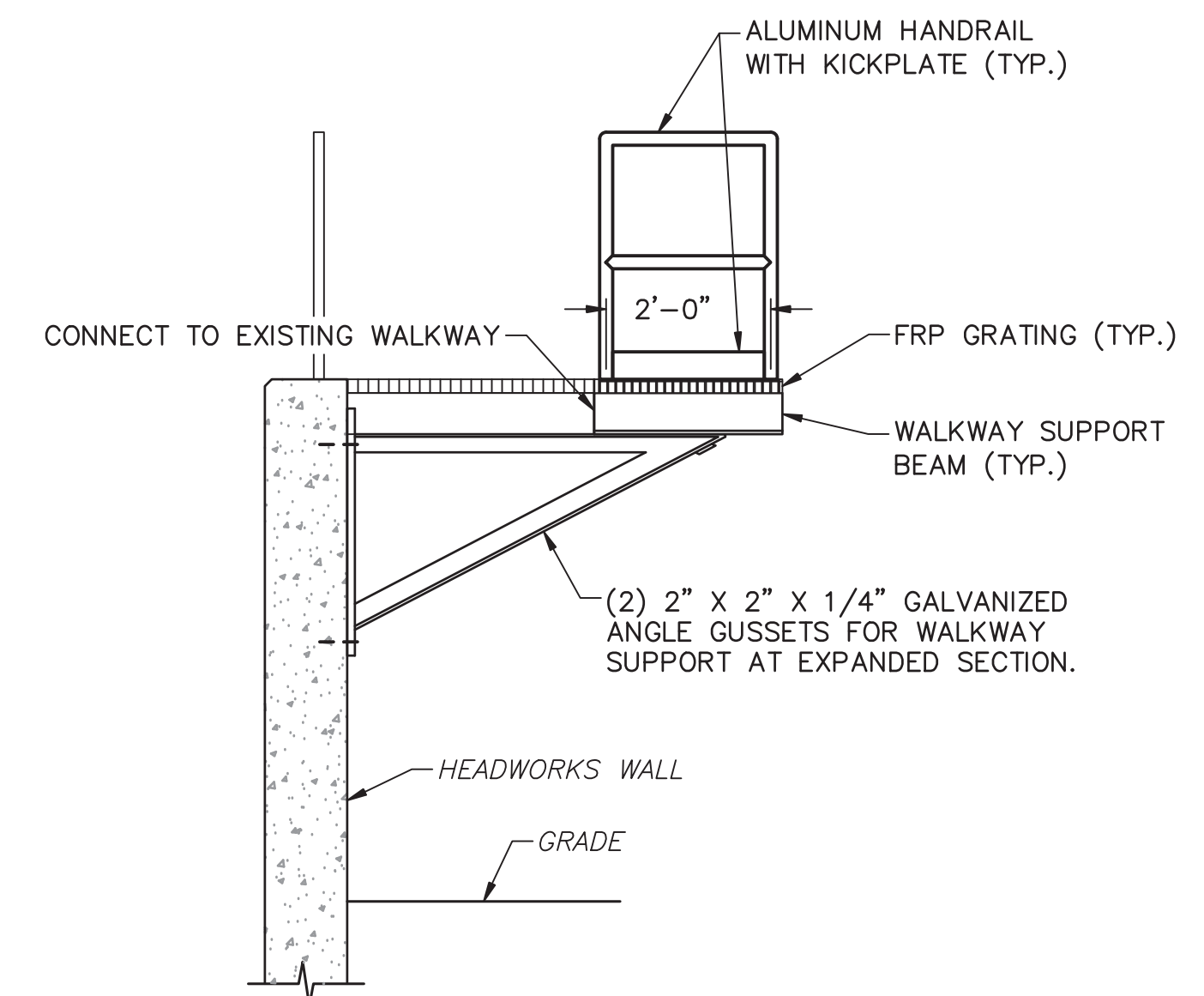
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C.8



A PROPOSED WALKWAY ELEVATION
 C.8 NOT TO SCALE



B PROPOSED WALKWAY SECTION
 C.8 NOT TO SCALE

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FAIRMONT WWTP IMPROVEMENTS PROJECT – SITE VISIT PHOTOGRAPHS

Fairmont WWTP Layout and Photo Key



Photo No. 1 Grinder Unit



Photo No. 2 – Control Unit



Photo No. 3 Grinder Tooth Outlet & Disposal



Photo No. 4 Effluent Tank



Photo No. 5 Control Unit



Photo No. 6 1980's Control Unit



Photo No. 7 Entry Gate System



Photo No. 8 Entry Gate System



Photo No. 10 Lift Station



Photo No. 11 Lift Station Control Panel



Photo No. 12 Lift Station Electrical Panel



Photo No. 13 Lift Station, Facing WWTP



Photo No. 14 Lift Station Equipment Access



Photo No. 15 Lift Station Equipment



Photo No. 16 Fairmont Wastewater Treatment Plant Facing Northwest



Photo No. 17 Plant Control Equipment



Photo No.18 Broken Effluent Gate



Photo No. 19 Effluent Pond



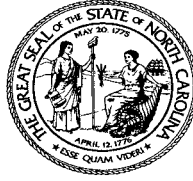
**Photo No. 20 Effluent Pond
(Height Due to Storm-Damaged Gates)**



ATTACHMENT 10:

Historic Preservation

SHPO Response, NCORR SHPO Submission
Package, HUD TDAT Results, and
HUD When to Consult with Tribes Under
Section 106 Form



**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.

March 12, 2024

MEMORANDUM

TO: Kadisha Molyneaux kadisha.molyneaux@doa.nc.gov
North Carolina State Clearinghouse
Department of Administration

FROM: Ramona M. Bartos, Deputy
State Historic Preservation Officer *RMB for Ramona M. Bartos*

SUBJECT: Improve Fairmont wastewater treatment plant, 133 Woodrow Road, Orrum, Robeson
County, 24-E-0000-0225, ER 24-0534

Thank you for your email of February 19, 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.



North Carolina Department of Public Safety

Office of Recovery and Resiliency

Roy Cooper, Governor
Eddie M. Buffaloe, Jr., Secretary

Laura H. Hogshead, Director

February 16, 2024

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
Town of Fairmont WWTP Improvements
133 Woodrow Road
Orrum, Robeson County, NC 28369

Dear Ms. Gledhill-Earley:

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, Town of Fairmont WWTP Improvements located at 133 Woodrow Road, Orrum, Robeson County, NC 28369. NCORR is serving as the responsible entity for compliance with the HUD environmental review procedures set forth in 24 CFR Part 58 and acting on behalf of HUD in providing the enclosed project information and request for consultation. 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 proposed project.

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, the Town of Fairmont was negatively impacted by severe rains and subsequent flooding of critical

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infrastructure, which hindered the operation of the Fairmont WWTP. The objective is to make the plant more durable and more capable of handling excess waste water during future storm events. The elevation of the primary lift station will ensure that the lift station is not under floodwaters which will disable it; so, it can continue to pump during 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.

Area of Potential Effects (APE) under §800.16(d): We have defined the APE as the boundary of the Subject Property consisting of a 10.24-acre Town-owned parcel located at 133 Woodrow Road, Orrum, Robeson County, NC 28369 (Parcel ID #12160101703B). The proposed project location maps are included in **Attachment 1** for your review.

Proposed Project Description: Robeson County has requested HUD CDBG-MIT funding for improvements to the existing Town of Fairmont WWTP which must remain in operation throughout the duration of the project. The contractor will use bypass pumping, temporary electrical service, and temporary process water pumping systems as necessary to ensure operation is not interrupted. The proposed project includes *effluent pump station improvements* consisting of removal of the process water pumping system enclosure, drop legs, pumps, pipes, and valves; elevating the wet well, valve vault top slabs, and access approximately two feet; addition of a bypass pump connection on the existing 10-inch effluent force main; relocation of existing pump control and electrical components to an elevated structure; and all necessary associated improvements such as replacement of wiring, pump leads, and pump guide rails; modification or replacement of pump removal system and float controls; and the addition of junction boxes and new connections to the wet well. The proposed project includes either the complete rebuild or removal and replacement of the existing Huber Technology Model SSF3000x726x3 *step mechanical bar screen* with new equipment and all necessary associated improvements such as control panel component replacement and modifications to electrical components and existing structures. There will also be removal and replacement of *three blower control panels* each with a new weather hood and enclosures for the existing 125 Hp Lamson model 850 blowers and replacement of the existing bearing temperature sensor and current transformer (CT) in the existing motor control center (MCC). The replacement of the blower control panels will be given priority. There will be *elevated access walkway improvements* and the existing *hydraulic power pack unit* for the ram press will be removed and relocated and/or replaced along with all hydraulic hoses and wiring modifications.

The top of the wet well will be elevated two feet to 86.97 feet and the top of the valve vault will be elevated to 86.97 feet from the current 84.52 feet. The electrical pad will be replaced and elevated to a top of slab elevation of 86.97 feet. The proposed project's ground disturbance will be limited to the elevation of the wet well and electrical controls which would add approximately 350 – 400 cubic yards (cy) of fill at the wet well and make a smooth transition back to existing grade. There is no tree removal anticipated. 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:

A review of the Subject Property in the National Register of Historic Places (NRHP), North Carolina State Historic Preservation Office’s (NC SHPO) HPOWEB, and site visit identified no publicly recorded historic properties which are locally designated or listed in or eligible for inclusion in the State or NRHP located on or adjacent to the Subject Property (**Attachment 2**). The proposed project involves improvements to an existing municipal waste water treatment facility surrounded by chain link fencing. The Subject Property photographs are included in **Attachment 3**.

Attached for your review are relevant documents supporting our finding, including maps, site plans and photographs 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. The proposed project involves improvements to an existing WWTP with the only ground disturbance limited to the elevation of the existing wet well and electrical control panel which would add approximately 350 – 400 cubic yards (cy) of fill at the wet well and make a smooth transition back to existing grade. There is no new construction and ground disturbance will be limited to the elevation and related grading in previously disturbed areas. Thus, the Catawba Indian Nation is not being consulted to help identify historic properties in the proposed project area that may have religious and cultural significance to the Nation. 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 and Site Plans

Attachment 2: Proposed Project NRHP and NC HPOWEB Maps

Attachment 3: Subject Property Photographs

Concurrence:

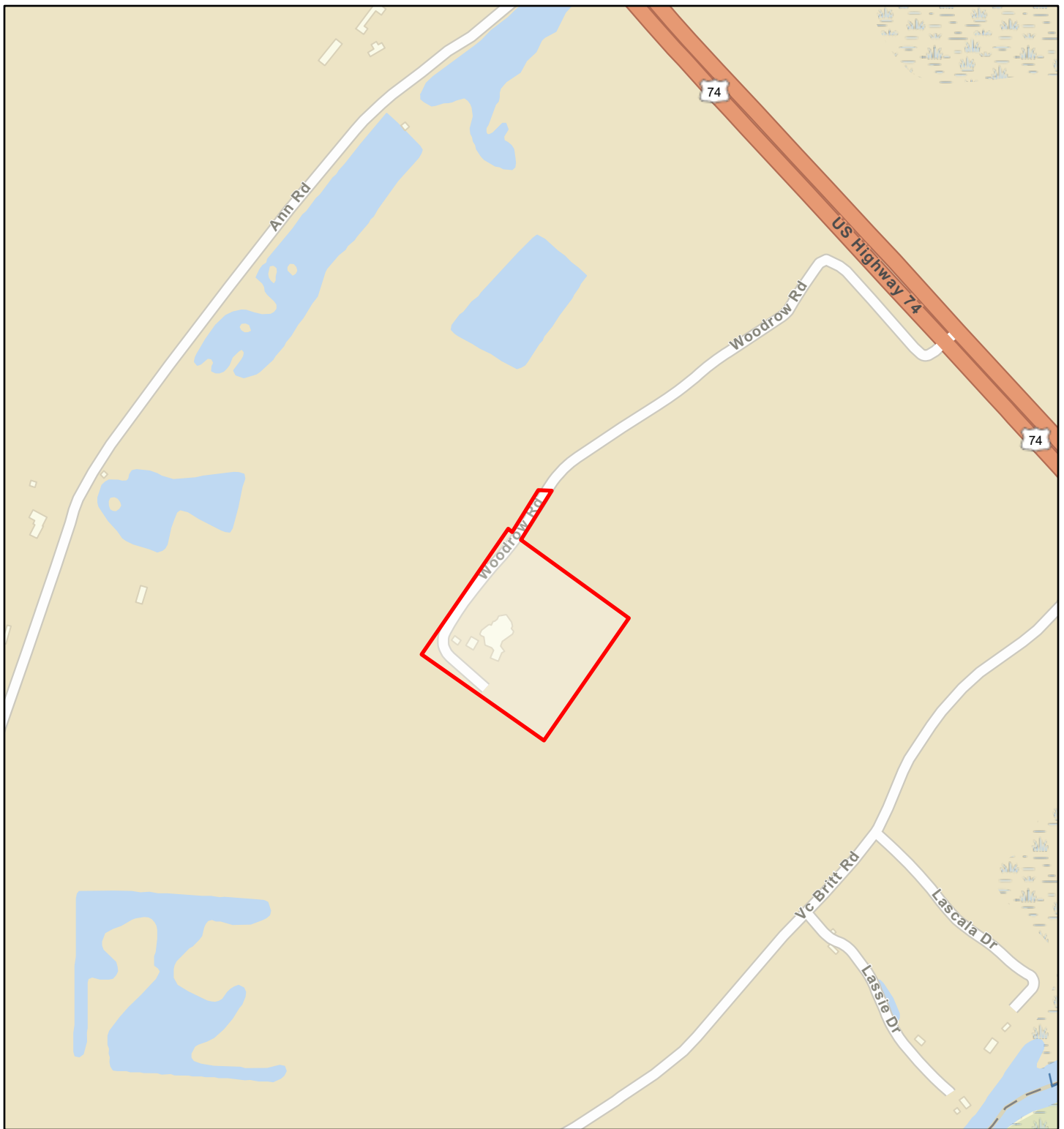
State Historic Preservation Officer

Date

Section 106 ATTACHMENT 1:

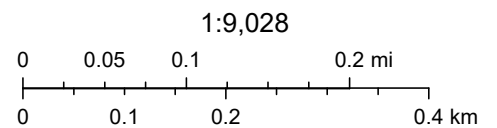
**Proposed Project Location Maps
and Site Plans**

Town of Fairmont WWTP Improvements - Street Map



February 13, 2024

 Fairmont WWTP



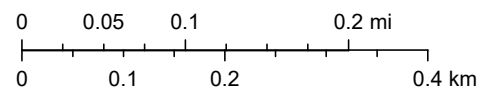
Town of Fairmont WWTP Improvements - Aerial Map



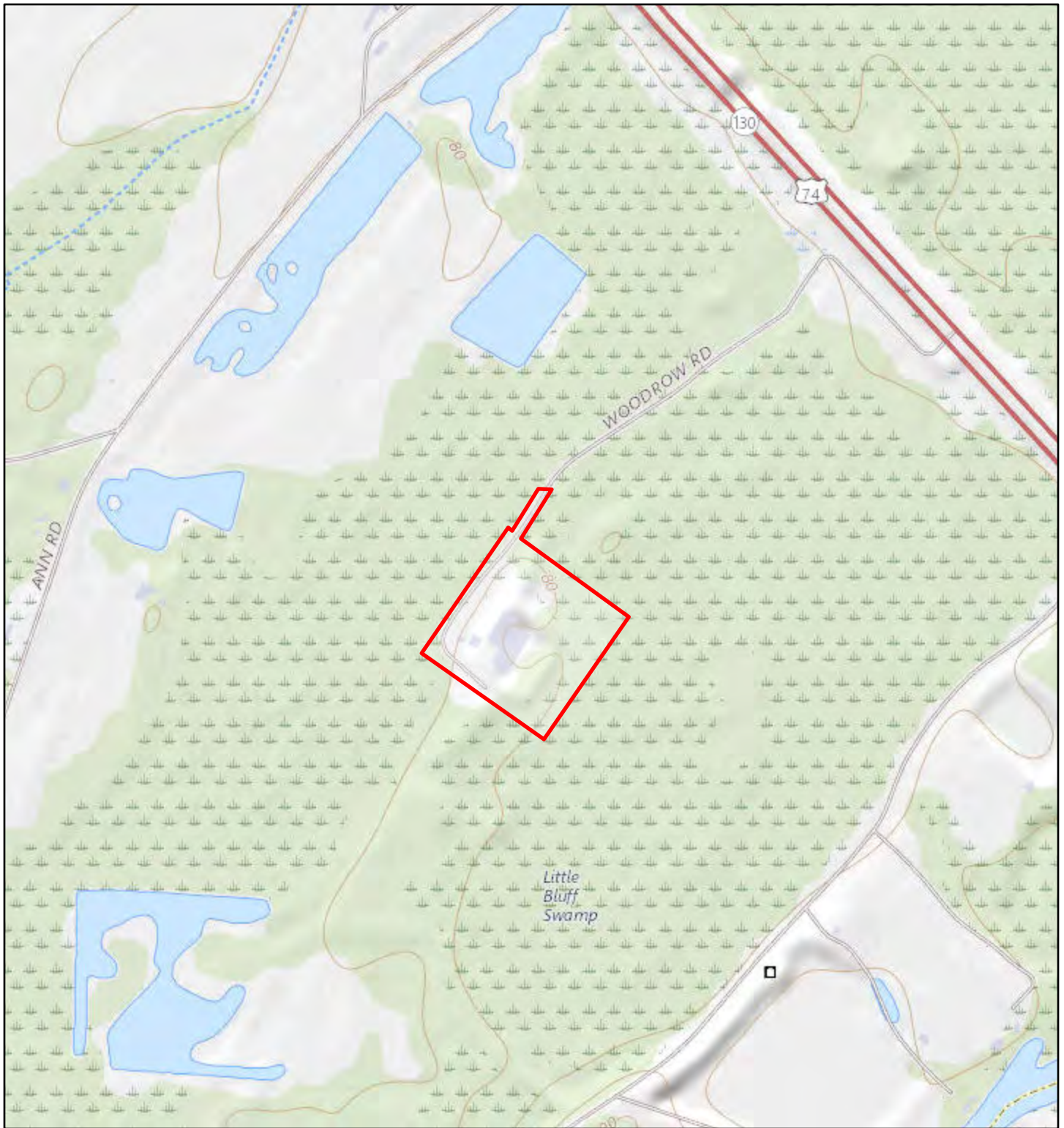
February 13, 2024

 Fairmont WWTP

1:9,028



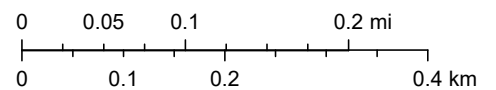
Town of Fairmont WWTP Improvements - Topo Map



February 13, 2024

 Fairmont WWTP

1:9,028



USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S.



Robeson County Government

PROPERTY REPORT - PRINT

Property Owner TOWN OF FAIRMONT	Owner's Mailing Address , , 0	Property Location Address 133 WOODROW RD
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Administrative Data Parcel Ref No. 12160101703B PIN 020582915800 Account No. 46757027 Tax District ORRUM FIRE Land Use Code E-70 Land Use Desc RP LOCAL GOVT. (TWP & BD) Subdiv Code Subdiv Desc Neighborhood 12001	Administrative Data Legal Desc AC W OF SR 2245 Deed Bk/Pg / Plat Bk/Pg / Sales Information Grantor Sold Date 0--0 Sold Amount \$ 0	Valuation Information Market Value \$ 326,600 Market Value - Land and all permanent improvements, if any, effective January 1, 2010, date of County's most recent General Reappraisal Assessed Value \$ 326,600 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 10.24 Tax District Note Present-Use Info
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Improvement Detail (1st Major Improvement on Subject Parcel) Year Built 2001 Built Use/Style OFFICE/WAREHOUSE Current Use C / * Percent Complete 100 Heated Area (S/F) 1,462 ** 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 001 * 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	
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Improvement Valuation (1st Major Improvement on Subject Parcel) * Improvement Market Value \$ 287,700 ** Improvement Assessed Value \$ 287,700 * 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) \$ 38,900	Land Present-Use Value (PUV) \$ ** 38,900	Land Total Assessed Value \$ 38,900
** Note: If PUV equal LMV then parcel has not qualified for present use program		

County of Robeson, NC



MAPNO	12160101703B
PIN_NUMBER	020582915800
PARCELTYPE	Base Parcel
CONFLICTNOTATION	
DEEDEDACRES	10.23999977
OWNERTYPE	null
STATUS	null
OLDMAPNO	1216-01-01703B
NUMMOD	null
LOT	null
NBHD_CODE	12001
TAX_YEAR	2023
PAR_CODE	
MAP	0205
SUBMAP	
BLOCK	82
PARCEL	9158
SUBPARCEL	00
PHYLOCAT	56104
CITYCODE	
ROUTENUM	0
OWNERID	46757027
CUROWNID	46757027

OWNAM1	TOWN OF FAIRMONT
OWNAM2	
OWNAM3	
OWADR1	
OWADR2	
OWADR3	
OWADR4	
OWCITY	
OWSTATE	,
OWZIP	0
STNUM	133
STSUFFIX	
STDIR	
STNAME	WOODROW
STTYPE	RD
STDIRSUF	
UNITNO	
DEEDACRE	10.24
MAPACRE	10.24
DISTCODE	34
TOWNCODE	12
PARDESC3	
PARDESC1	E-70
NBHCLASS	
NBHCODE	12001
EXEMCODE	E70
DEEDBOOK	
DEEDPAGE	
DEEDYEAR	0
PLATBOOK	
PLATPAGE	
DATESOLD	0
LEGDESC1	AC W OF SR 2245
LEGDESC2	
LEGDESC3	
PARDESC4	
GROUPPAR	020582915800
REQREVIEW	
PHYSTRADR	133 WOODROW RD
SCHCODE	0
AREACODE	1
LNDASVCUR	38900
IMPASVCUR	287700
QUALCODE	

RECTYPE	null
SALEAMT	0
SALEINST	
DEEDSTMP	0

**Fairmont WWTP Sludge Removal & Disposal - Robeson County, NC
WWTP Layout Map**

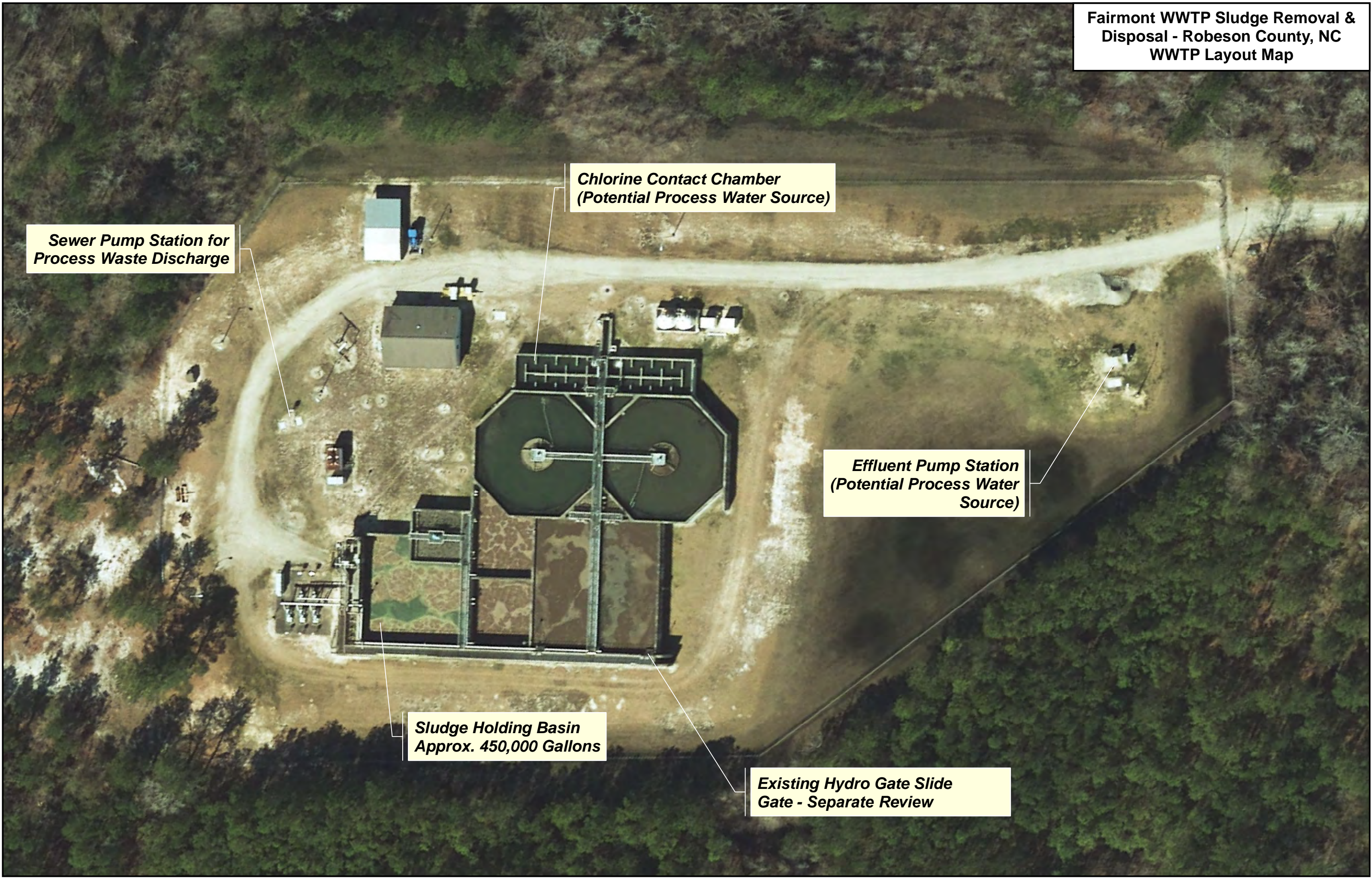
**Sewer Pump Station for
Process Waste Discharge**

**Chlorine Contact Chamber
(Potential Process Water Source)**

**Effluent Pump Station
(Potential Process Water
Source)**

**Sludge Holding Basin
Approx. 450,000 Gallons**

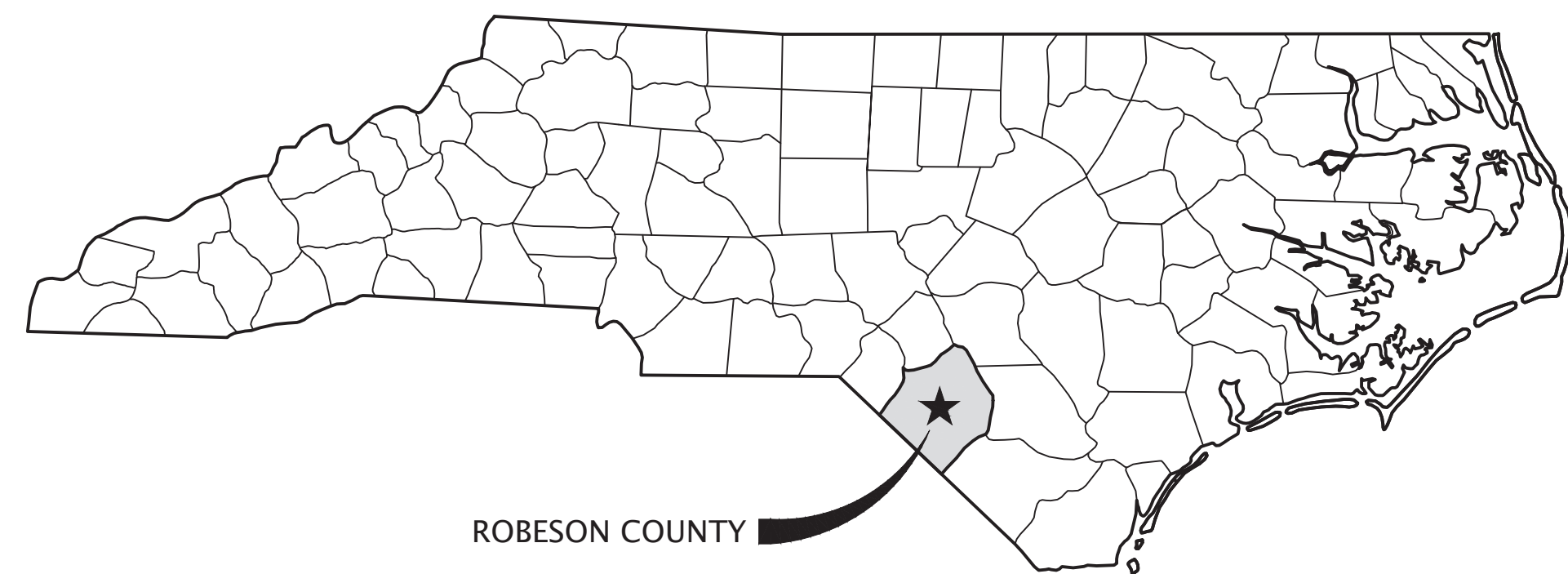
**Existing Hydro Gate Slide
Gate - Separate Review**



WASTEWATER TREATMENT PLANT IMPROVEMENTS - TOWN OF FAIRMONT

FOR ROBESON COUNTY

ROBESON COUNTY, NORTH CAROLINA



ROBESON COUNTY

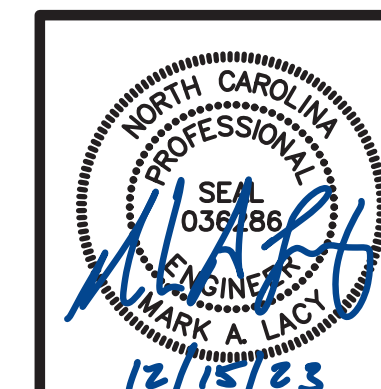
COUNTY LOCATION MAP

NTS

BOARD OF COMMISSIONERS

CHAIRMAN	-	TOM TAYLOR
VICE CHAIRMAN	-	JOHN CUMMINGS
COMMISSIONER	-	WIXIE STEPHENS
COMMISSIONER	-	PAULINE CAMPBELL
COMMISSIONER	-	FALINE LOCKLEAR DIAL
COMMISSIONER	-	JUDY SAMPSON
COMMISSIONER	-	DAVID EDGE
COMMISSIONER	-	LANCE HERNDON
COUNTY MANAGER	-	KELLIE BLUE
FAIRMONT UTILITIES DIRECTOR	-	RONNIE SEALS

PRELIMINARY - DO NOT USE FOR CONSTRUCTION



LKC

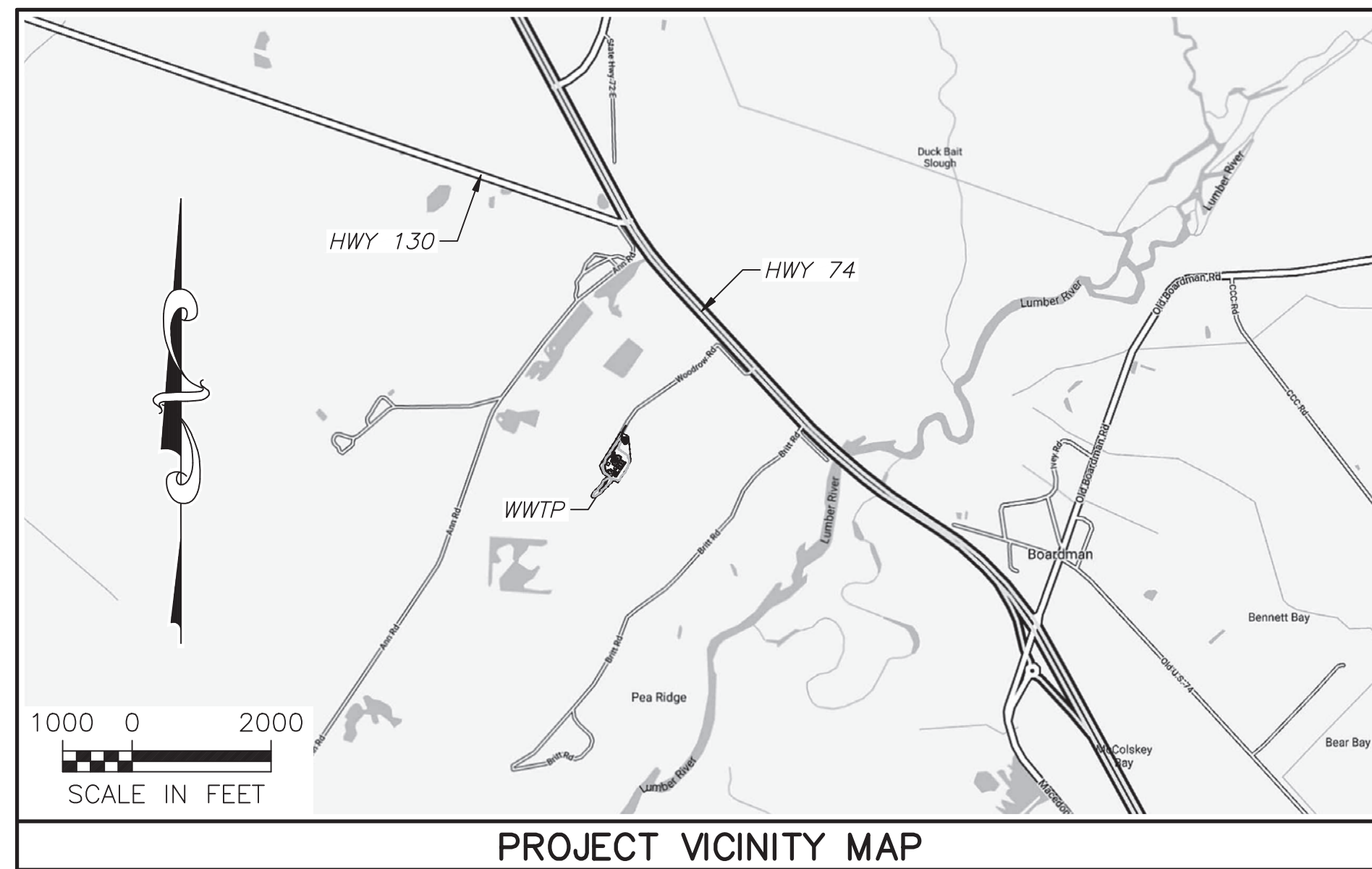
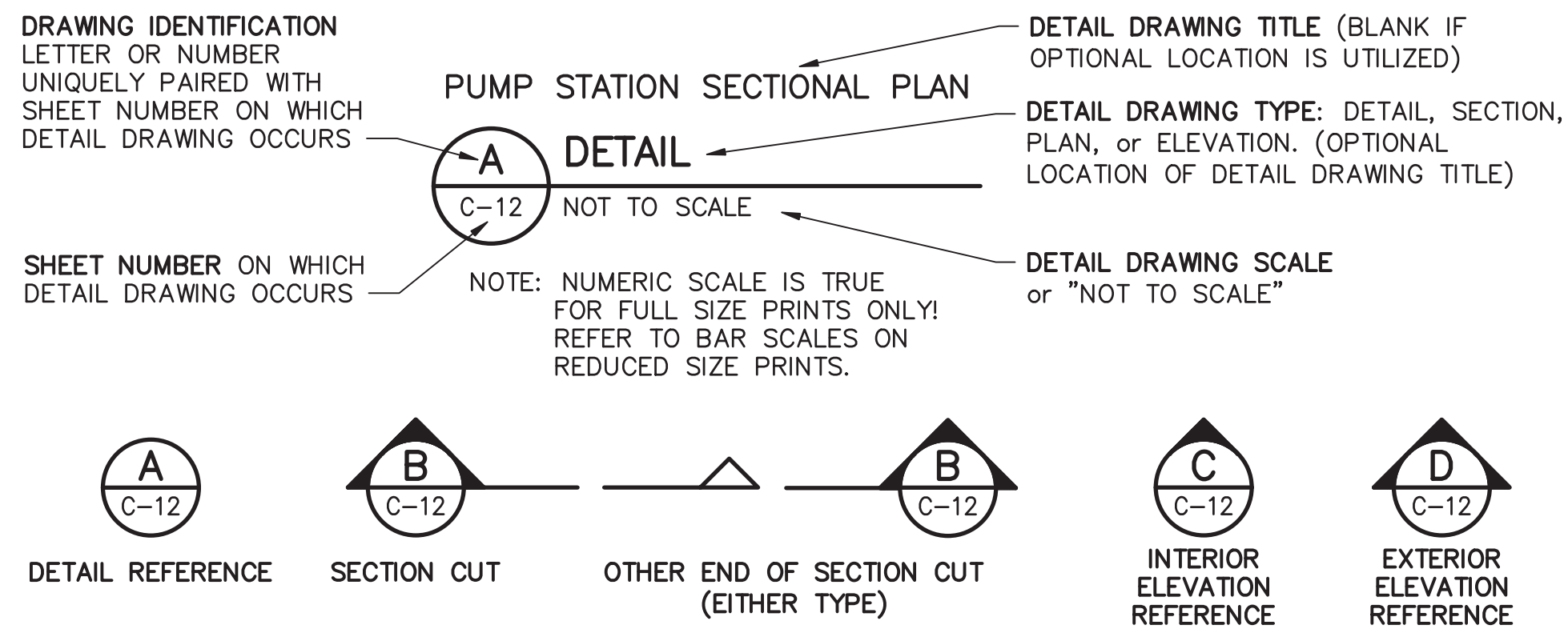
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lkceengineering.com
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LEGEND

	EXISTING CHAINLINK FENCE		NEW WATER MAIN
	EXISTING R/W OR PROPERTY BOUNDARY		NEW COMBINATION AIR/VAC RELEASE VALVE
	NEW UTILITY EASEMENT		NEW GATE VALVE
	NEW SANITARY SEWER AND MANHOLE		NEW FIRE HYDRANT ASSEMBLY
	NEW UTILITY EASEMENT		NEW PLUG
	NEW TEMPORARY UTILITY EASEMENT		NEW TEE
	EXISTING FORCE MAIN		NEW 90° BEND
	EXISTING SEWER CLEANOUT		NEW 45° BEND
	EXISTING SANITARY SEWER AND MANHOLE		
	EXISTING WOODS LINE		
	NEW LIMIT OF CLEARING		
	EXISTING BUILDING		
	EXISTING ASPHALT ROAD/DRIVE		
	EXISTING GRAVEL DRIVE		
	TEMPORARY CONSTRUCTION ENTRANCE		
	EXISTING RIPRAP		
	EXISTING DRAINAGE CULVERT		
	EXISTING WATER MAIN		
	EXISTING NATURAL GAS PIPELINE		
	EXISTING DITCH/STREAM FLOWLINE		
	EXISTING FIRE HYDRANT		
	EXISTING WATER VALVE		
	EXISTING WATER METER		
	EXISTING LIGHT POLE		
	EXISTING POWER POLE		
	EXISTING TELEPHONE POLE		
	EXISTING GUYWIRE		
	EXISTING TELEPHONE PEDESTAL		
	EXISTING IRON PIN		
	EXISTING RIGHT-OF-WAY MONUMENT		
	SURVEY TRAVERSE NAIL		
	EXISTING BORE LOCATION		
	EXISTING FIBER-OPTIC MARKER		
	EXISTING UNDERGROUND FIBER OPTIC CABLE		
	SILT FENCE AND OUTLET		
	TEMPORARY DIVERSION SWALE		
	ENKA MAT SLOPE/SWALE PROTECTION		

DRAWING REFERENCE SYMBOL LEGEND



Sheet List Table

Sheet Number	Sheet Title
General	
G.1	Cover
G.2	Sheet Index
Civil	
C.1	Overall Site Plan
C.2	Existing Pump Station Site And Proposed Grading Plan (Bid Alternate #1)
C.3	Existing Pump Station Plans (Bid Alternate #1)
C.4	Proposed Pump Station Plans (Bid Alternate #1)
C.5	Pump Station Profiles (Bid Alternate #1)
C.6	Existing Headworks And Blowers Site Plan
C.7	Existing Bar Screen Plan And Profile
C.8	Proposed Headworks Modifications

ABBREVIATIONS, ACRONYMS, AND SYMBOLS

&	AND	CFM	CUBIC FEET PER MINUTE	F.F.E.	FINISH FLOOR ELEVATION	LAB	LABORATORY	PSI	POUNDS PER SQUARE INCH	STD	STANDARD
@	AT	CHAM.	CHAMFER	FAB.	FABRIC, FABRICATION	LB./LBS.	POUND/POUNDS	PVC	POLYVINYL CHLORIDE	STL.	STEEL
<	LESS THAN	CHAN.	CHANNEL	FIG.	FIGURE	MAS.	MASONRY	QTY.	QUANTITY	STRUCT.	STRUCTURAL
<=	LESS THAN OR EQUAL TO	CHEM.	CHEMICAL	FL	FLOWLINE	MATL	MATERIAL	R	RADIUS	SUPT.	SUPPORT
=	EQUAL(S)	CLR.	CLEAR	FLEX.	FLEXIBLE	MAX.	MAXIMUM	RAS	RETURN ACTIVATED SLUDGE	SW	SOUTHWEST
>	GREATER THAN	CO.	COMPANY	FLG	FLANGE	MCJ	MASONRY CONTROL JOINT	RCP	REINFORCED CONCRETE PIPE	T/	TOP OF
±	PLUS OR MINUS, APPROXIMATELY	COL.	COLUMN	FM	FORCE MAIN	MECH.	MECHANICAL	REBAR	CONCRETE REINFORCING BAR	TCJ	TEMPORARY CONSTRUCTION JOINT
°	DEGREE	CONC.	CONCRETE	FRP	FIBERGLASS REINFORCED PLASTIC	MFR	MANUFACTURER	RED.	REDUC(ER)(ING)	TEMP.	TEMPORARY
A.B.	ANCHOR BOLT	COND.	CONDUIT	FT.	FOOT, FEET	MH	MANHOLE	REF.	REFERENCE	THK.	THICKNESS
A.F.F.	ABOVE FINISHED FLOOR	CONSTR.	CONSTRUCTION	FTG.	FOOTING	MIL	ONE THOUSANDTH	REINF.	REINFORC(E)(ED)(ING)	THR.	THREAD(ED)(S)
ABC	AGGREGATE BASE COURSE	CONT.	CONTINUOUS	GA.	GAUGE	MIN.	MINIMUM	REQ'D	REQUIRED	TOS	TOP OF SLAB
AC.	ACOUSTIC	COORD.	COORDINATE	GAL.	GALLON	MJ	MECHANICAL JOINT	RESTR.	RESTRAIN(ED)(ING)	TOW	TOP OF WALL
ACT.	ACTUAL	CTRD	CENTERED	GALV.	GALVANIZED	MPH	MILES PER HOUR	RJ	RESTRAINED JOINT	TYP.	TYPICAL
ADA	AMERICANS WITH DISABILITIES ACT OF 1990 (U.S.)	€	CENTERLINE	N	NORTH	RPM	REVOLUTIONS PER MINUTE	RW	RECLAIMED WATER	U.L.	UNDERWRITERS LABORATORIES
ADD'L	ADDITIONAL	D	DIAMETER	GFI	GROUND FAULT INTERRUPT	N.C.	NORTH CAROLINA	S	SOUTH, SEWER	UON	UNLESS OTHERWISE NOTED
AFF	ABOVE FINISH FLOOR	D.I.	DUCTILE IRON	GV	GATE VALVE	N.T.S.	NOT TO SCALE	S.S.	STAINLESS STEEL	UV	ULTRAVIOLET
AIR/VAC	AIR RELEASE AND VACUUM RELIEF	D.I.P.	DUCTILE IRON PIPE	H.D.G.	HOT DIP GALVANIZE(D)	N/A	NOT APPLICABLE	S.Y.P.	SOUTHERN YELLOW PINE	V.	VOLT
ALT	ALTERNATE	D.O.T.	DEPARTMENT OF TRANSPORTATION	HDWR.	HARDWARE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	SBR	SEQUENCING BATCH REACTOR	VERT	VERTICAL
ALUM.	ALUMINUM	DIA.	DIAMETER	HEX	HEXAGONAL	NIC	NOT IN CONTRACT	SCFM	STANDARD CUBIC FEET PER MINUTE	VFD	VARIABLE FREQUENCY DRIVE
AMP	AMPERES	HK	HOOK	HORIZ.	HORIZONTAL	NO.	NUMBER	SCH.	SCHEDULE	W	WEST, WATER
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	DIM.	DIMENSION	HP	HIGH POINT	NOM.	NOMINAL	SD	STORM DRAIN	W/	WITH
ARCH.	ARCHITECTURAL	DWGS	DRAWINGS	HR.	HOUR	NPT	NATIONAL PIPE THREAD	SDR	STANDARD DIMENSION RATIO	W/O	WITHOUT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	DWLS	DOWELS	HT.	HEIGHT	NW	NORTHWEST	SF	SQUARE FEET	WAS	WASTE ACTIVATED SLUDGE
BF	BLIND FLANGE	EA.	EACH	HWL	HIGH WATER LEVEL	O	OXYGEN	SHT.	SHEET	WL	WATER LEVEL
BFV	BUTTERFLY VALVE	EF	EACH FACE	HYD.	HYDRANT	ø	DIAMETER	SHR	SHOWER	WWF	WELDED WIRE FABRIC
BLDG	BUILDING	EFFL.	EFFLUENT	HZ	HERTZ	O.C.	ON CENTER	SIM.	SIMILAR	WWTP	WASTEWATER TREATMENT PLANT
BTUH	BRITISH THERMAL UNIT HOUR	EL.	ELEVATION	I.D.	INSIDE DIAMETER	O.D.	OUTSIDE DIAMETER	SPA	SPACE	XFMR	TRANSFORMER
C.I.P.	CAST-IN-PLACE	EQ	EQUALIZATION	INV.	INVERT	OPNG	OPENING	SPECS	SPECIFICATIONS	YH	YARD HYDRANT
C.M.U.	CONCRETE MASONRY UNIT	EQUIP.	EQUIPMENT	JT.	JOINT	OZ	OUNCE	SO.	SQUARE		
C.O.	CLEAN OUT	EW	EACH WAY	K	KILO, THOUSAND	PE	PLAIN END	SR	STATE ROAD		
CAP.	CAPACITY	EXIST.	EXISTING	KVA	KILOVOLT-AMPERE	PED.	PEDESTAL	SS	SANITARY SEWER		
		EXP.	EXPANSION	KW	KILOWATT	PLCS	PLACES	STA	STATION		
		EXT.	EXTENSION	L.F.	LINEAR FEET	PSF	POUNDS PER SQUARE FOOT				



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lkceengineering.com
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Landscape Architecture
Surveying



Sheet Index

WASTEWATER TREATMENT
PLANT IMPROVEMENTS
FOR THE
TOWN OF FAIRMONT
Robeson County, North Carolina

DATE:	December, 2023
DESIGNED:	MAL
DRAWN:	DJN
CHECKED:	MAL
NO.	G.2

L:\RobCo-22.02 - Fairmont WWTFS Improvements & Canal Cleaning\800 Drawings\810 Design Drawings\02 Civil\WWTFS Contract\RobCo-22.02 Index.dwg, Last Saved By: DANIEL, 12/5/2023 9:46:03 AM, Sheet Index, Plotted By: Daniel Nestor, 12/14/23 02:01:47 PM, XRefs: g:\tad01, RobCo-22.02 WWTFS Base, RobCo-22.02 Existing PS Plan Design, Mal_FEMAL_PCDwg, IMAGE: H:\UIT\Y1\ump

L:\RobCo-22.02 - Fairmont WWTP Improvements & Const\Drawings\800 Drawings\810 Design Drawings\02 Civil\WWTP Contract\RobCo-22.02 Overall Existing Site Plan.dwg; Last Saved By: DANIEL, 12/14/2023 1:59:26 PM; Overall Site Plan; Plotted By: Daniel Nestor, 12/14/23 02:01:47 PM
 XREFs: go (tab01), RobCo-22.02 WWTP Base, RobCo-22.02 WWTP Existing PS Plan Design, Mal_FE-MAL_Fc.dwg, IMAGE: H:\Util\1\1.dwg

REVISIONS			
SYM.	DESCRIPTION	DATE	BY



LKC Engineering, pllc
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 Aberdeen, NC 28315
 O: 910.420.1437
 F: 910.637.0096
 lkceengineering.com
 License No. P-1095

Engineering
 Landscape Architecture
 Surveying



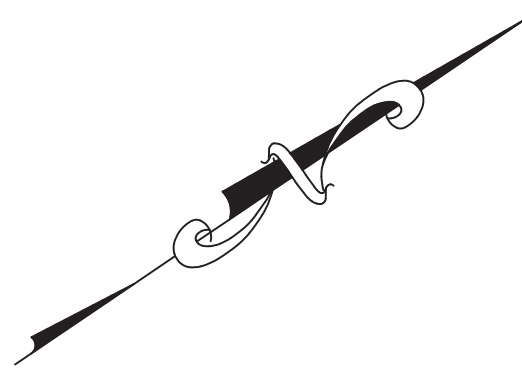
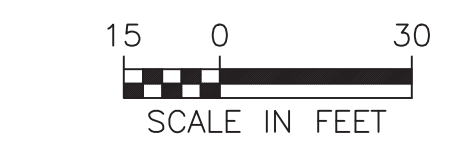
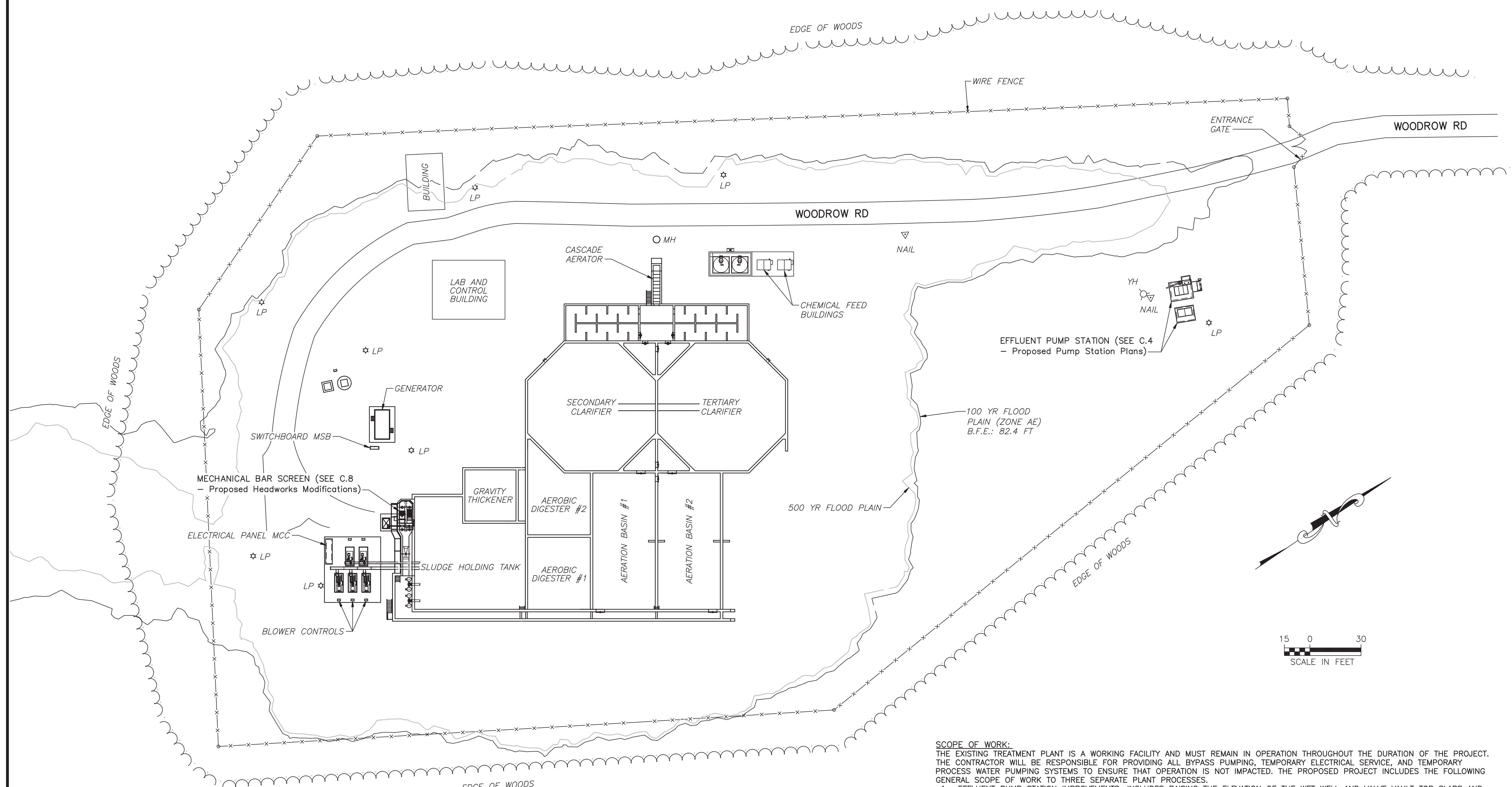
Overall Site Plan

WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

DATE:	December, 2023
DESIGNED:	MAL
DRAWN:	DJN
CHECKED:	MAL
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C.1

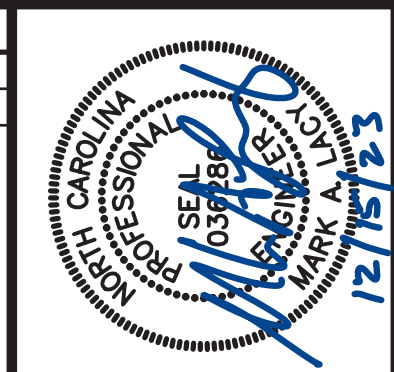
PRELIMINARY - DO NOT USE FOR CONSTRUCTION



- SCOPE OF WORK:**
 THE EXISTING TREATMENT PLANT IS A WORKING FACILITY AND MUST REMAIN IN OPERATION THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING ALL BYPASS PUMPING, TEMPORARY ELECTRICAL SERVICE, AND TEMPORARY PROCESS WATER PUMPING SYSTEMS TO ENSURE THAT OPERATION IS NOT IMPACTED. THE PROPOSED PROJECT INCLUDES THE FOLLOWING GENERAL SCOPE OF WORK TO THREE SEPARATE PLANT PROCESSES.
- EFFLUENT PUMP STATION IMPROVEMENTS:** INCLUDES RAISING THE ELEVATION OF THE WET WELL AND VALVE VAULT TOP SLABS AND ACCESS, ADDITION OF A BYPASS PUMP CONNECTION ON THE EXISTING EFFLUENT FORCE MAIN, AND RELOCATION OF EXISTING PUMP CONTROL AND ELECTRICAL COMPONENTS ON AN ELEVATED STRUCTURE. THE WORK WILL INCLUDE ALL OTHER NECESSARY WORK TO PROVIDE A FUNCTIONING SYSTEM INCLUDING REPLACEMENT OF WIRING OR PUMP LEADS AS NEEDED, MODIFICATION OF PUMP REMOVAL SYSTEM, FLOAT CONTROL MODIFICATIONS, NEW CONNECTIONS TO THE WET WELL, AND ALL OTHER ITEMS NECESSARY TO COMPLETE THIS PORTION OF THE WORK.
 - MECHANICAL BAR SCREEN REHABILITATION OR REPLACEMENT:** INCLUDES EITHER THE COMPLETE REBUILD OF THE EXISTING BAR SCREEN, OR REMOVAL AND REPLACEMENT OF THE EXISTING UNIT WITH NEW EQUIPMENT. INCLUDES ALL NECESSARY ELECTRICAL MODIFICATIONS, CONTROL PANEL COMPONENT REPLACEMENT, AND ANY MODIFICATIONS TO EXISTING STRUCTURES REQUIRED.
 - BLOWER CONTROL PANEL REPLACEMENT:** INCLUDES REMOVAL OF THREE EXISTING BLOWER CONTROL UNITS AND REPLACEMENT IN ONE LOCATION WITH NEW ENCLOSURE, AND NEW WEATHER HOOD FOR EACH UNIT.

L:\RobCo-22.02 - Existing Pump Station Site Plan.dwg; Last Saved By: DANIEL, 12/14/2023 11:25:51 AM; Existing Pump Station Site And Proposed Grading Plan; Plotted By: Daniel

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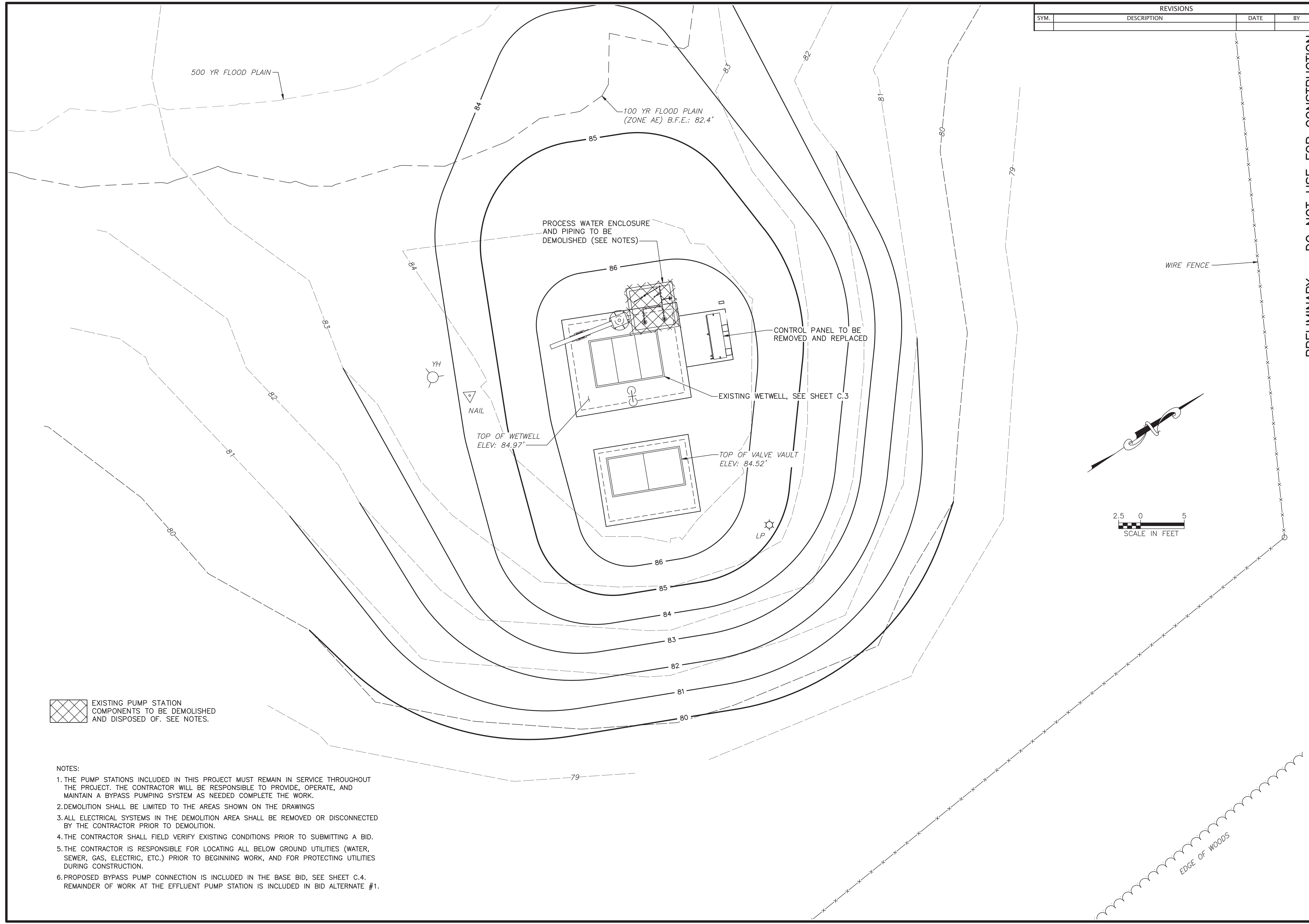


Existing Pump Station
 Site And Proposed
 Grading Plan
 (Bid Alternate #1)

WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

DATE: December, 2023
 DESIGNED: MAL
 DRAWN: DJN
 CHECKED: MAL
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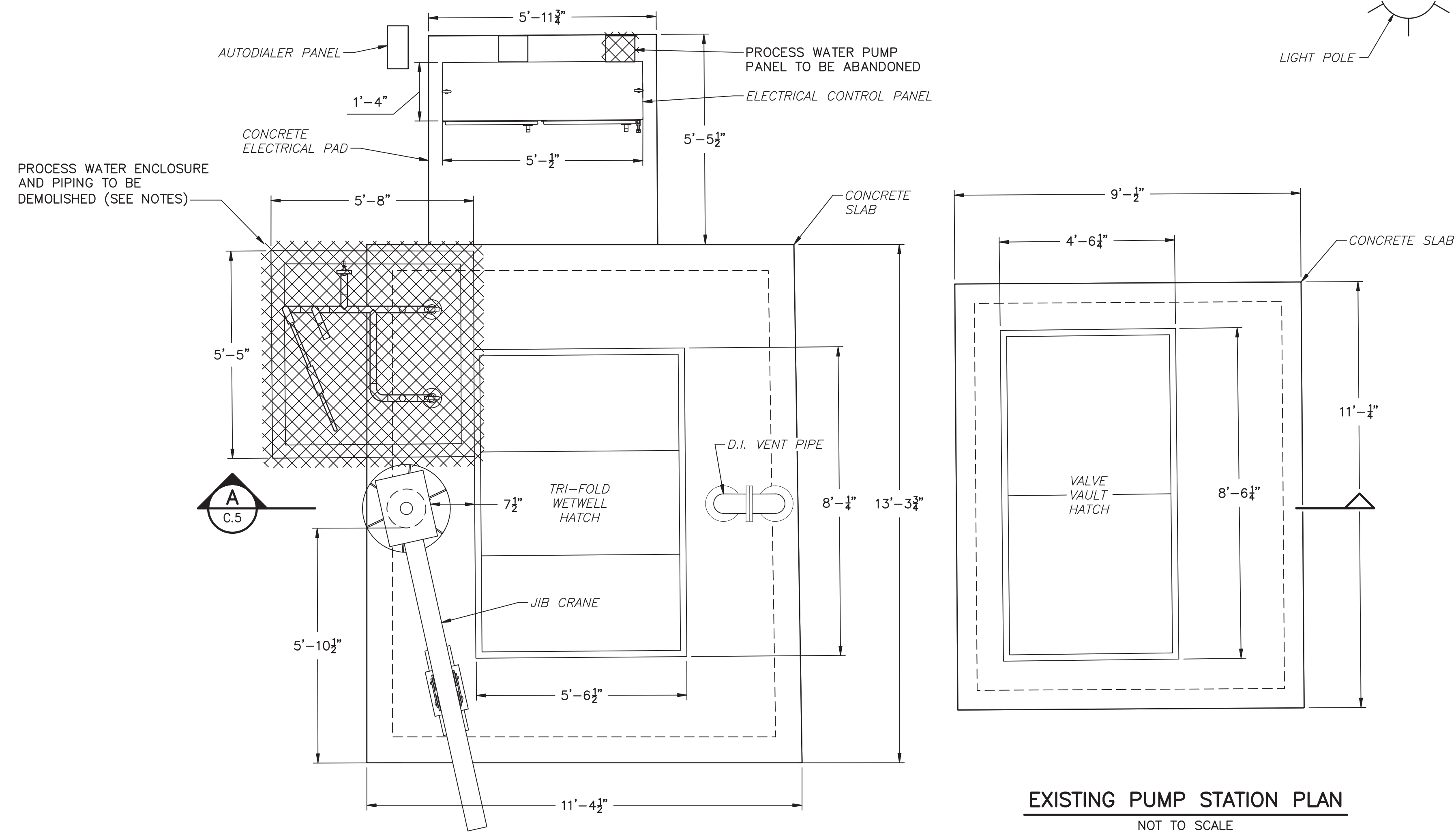
C.2



EXISTING PUMP STATION COMPONENTS TO BE DEMOLISHED AND DISPOSED OF. SEE NOTES.

- NOTES:
1. THE PUMP STATIONS INCLUDED IN THIS PROJECT MUST REMAIN IN SERVICE THROUGHOUT THE PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE, OPERATE, AND MAINTAIN A BYPASS PUMPING SYSTEM AS NEEDED COMPLETE THE WORK.
 2. DEMOLITION SHALL BE LIMITED TO THE AREAS SHOWN ON THE DRAWINGS
 3. ALL ELECTRICAL SYSTEMS IN THE DEMOLITION AREA SHALL BE REMOVED OR DISCONNECTED BY THE CONTRACTOR PRIOR TO DEMOLITION.
 4. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING A BID.
 5. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL BELOW GROUND UTILITIES (WATER, SEWER, GAS, ELECTRIC, ETC.) PRIOR TO BEGINNING WORK, AND FOR PROTECTING UTILITIES DURING CONSTRUCTION.
 6. PROPOSED BYPASS PUMP CONNECTION IS INCLUDED IN THE BASE BID, SEE SHEET C.4. REMAINDER OF WORK AT THE EFFLUENT PUMP STATION IS INCLUDED IN BID ALTERNATE #1.

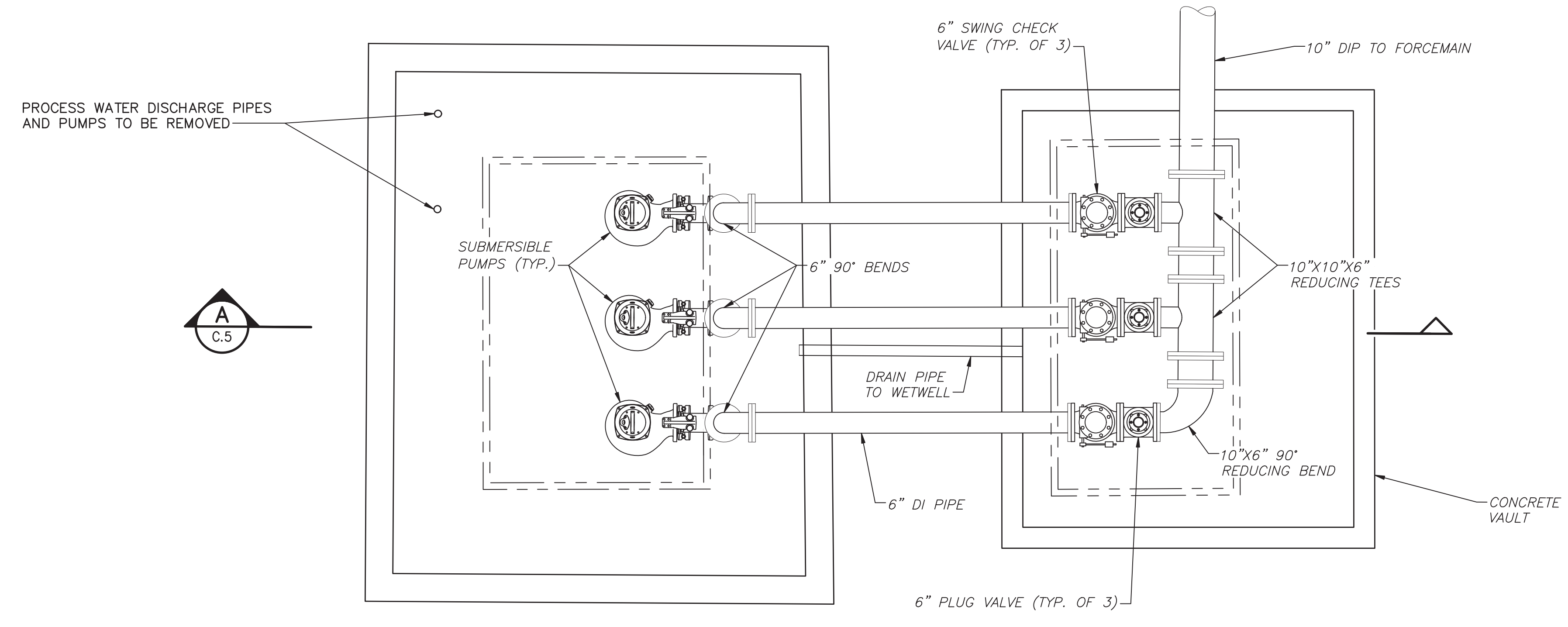
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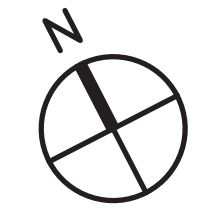
NOTE:
 CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO BEGINNING WORK. IT IS STRONGLY RECOMMENDED THAT POTENTIAL BIDDERS VISIT THE SITE PRIOR TO SUBMITTING A BID.

GENERAL SCOPE OF WORK / CONSTRUCTION SEQUENCE – EFFLUENT PUMP STATION

1. THE FOLLOWING SCOPE OF WORK IS NOT INTENDED TO BE EXHAUSTIVE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL INCIDENTAL WORK.
2. ADD BYPASS PUMP CONNECTION AND VALVES TO THE EXISTING EFFLUENT FORCEMAIN
3. DEMOLISH EXISTING PROCESS WATER PIPING, VALVES, PUMPS, DROP LEGS, AND ENCLOSURE.
4. SET UP BYPASS PUMPING SYSTEM, REMOVE EXISTING WET WELL & VALVE VAULT TOP SLAB, ADD RISER SECTIONS, REINSTALL TOP SLAB, REPLACE REMOVAL RAILS.
5. REMOVE EXISTING CONTROL PANEL, EXTEND / REPLACE EXISTING CONDUITS, GRADE SITE TO PROPOSED ELEVATION, INSTALL A NEW EQUIPMENT PAD AND REINSTALL EXISTING CONTROL PANEL AND WIRING.



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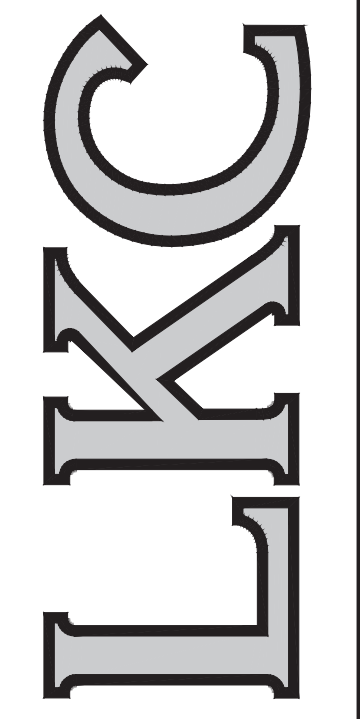


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Existing Pump Station Plans
 (Bid Alternate #1)

WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

DATE:	December, 2023
DESIGNED:	MAL
DRAWN:	DJN
CHECKED:	MAL
NO.	

C.3

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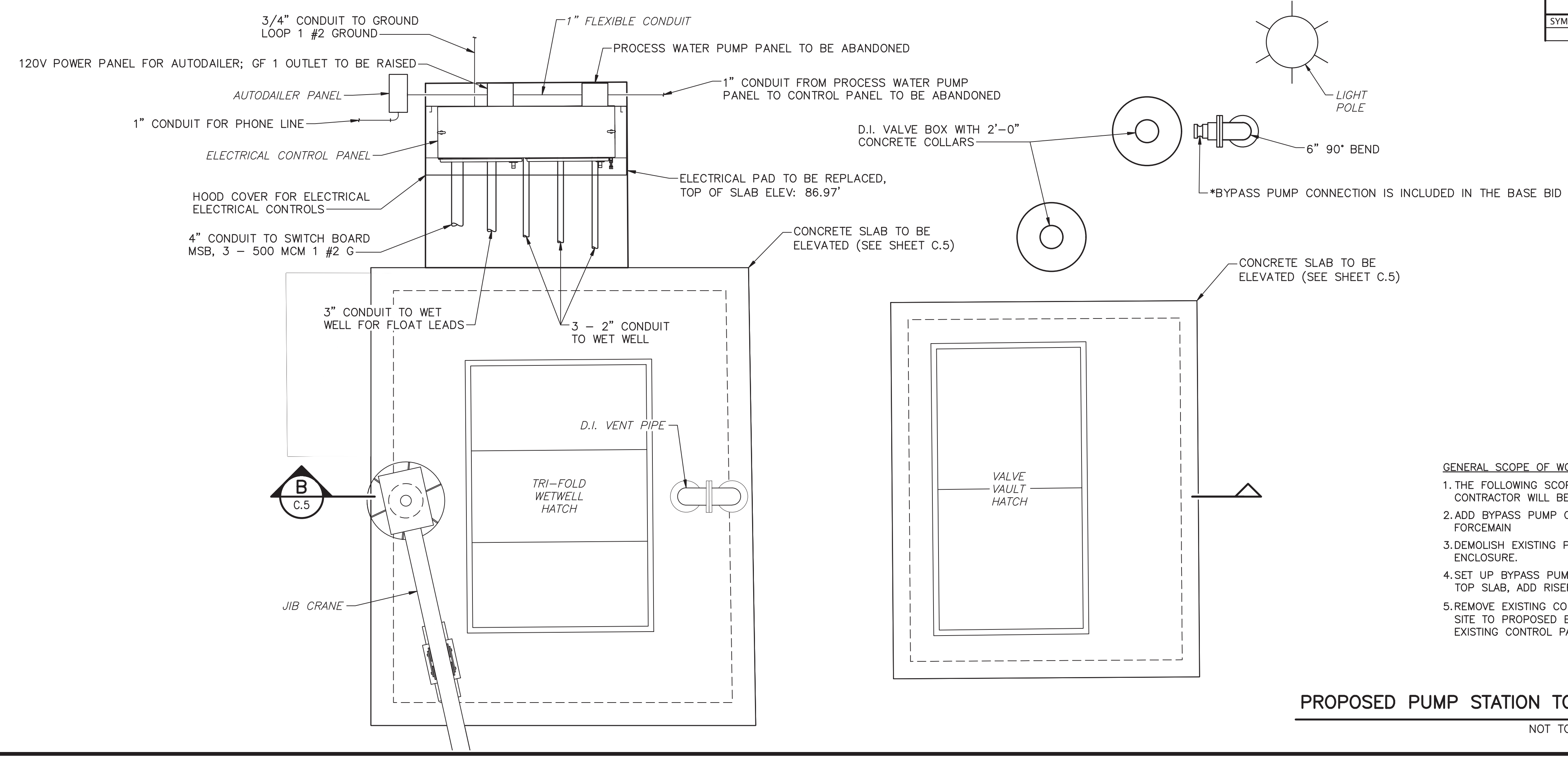


Proposed Pump Station
 Plans
 (Bid Alternate #1)

WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

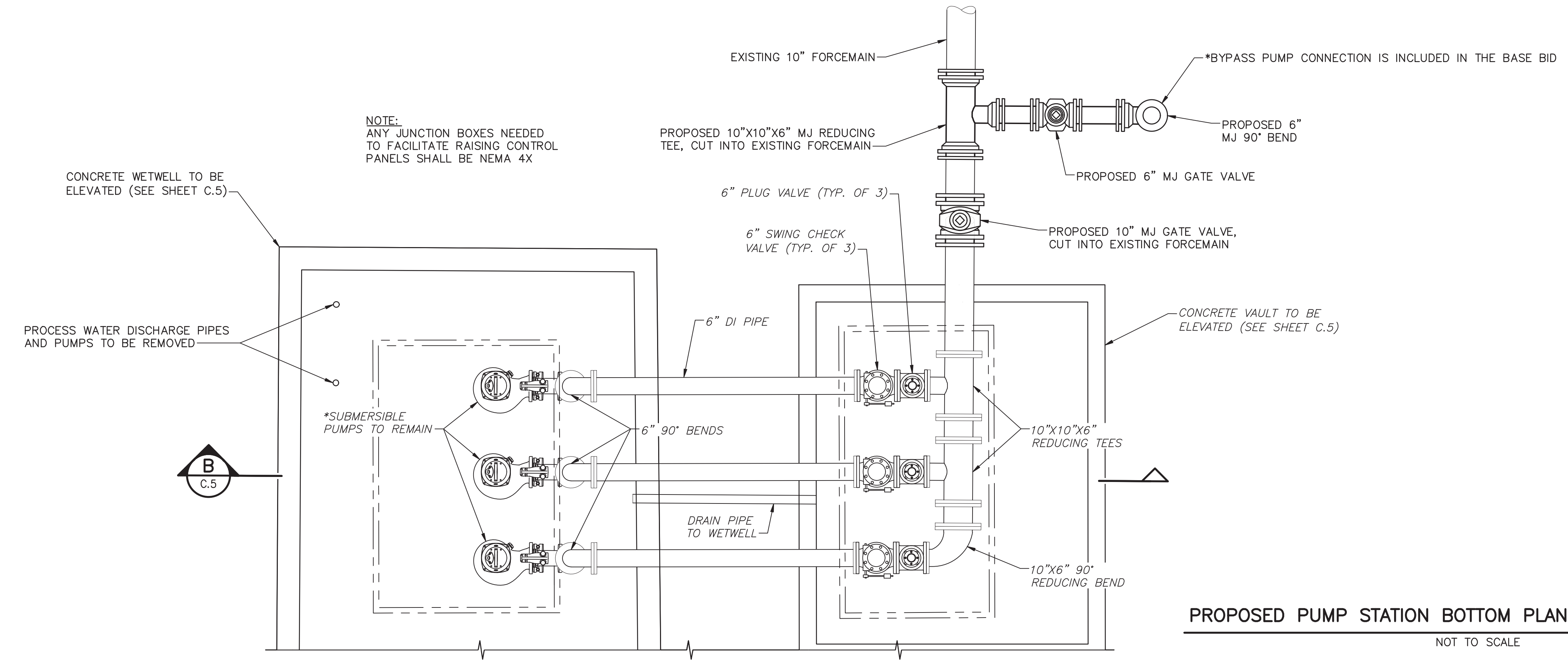
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DRAWN:	DJN
CHECKED:	MAL
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C.4



- GENERAL SCOPE OF WORK / CONSTRUCTION SEQUENCE -- EFFLUENT PUMP STATION**
1. THE FOLLOWING SCOPE OF WORK IS NOT INTENDED TO BE EXHAUSTIVE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL INCIDENTAL WORK.
 2. ADD BYPASS PUMP CONNECTION AND VALVES TO THE EXISTING EFFLUENT FORCEMAIN
 3. DEMOLISH EXISTING PROCESS WATER PIPING, VALVES, PUMPS, DROP LEGS, AND ENCLOSURE.
 4. SET UP BYPASS PUMPING SYSTEM, REMOVE EXISTING WET WELL & VALVE VAULT TOP SLAB, ADD RISER SECTIONS, REINSTALL TOP SLAB, REPLACE REMOVAL RAILS.
 5. REMOVE EXISTING CONTROL PANEL, EXTEND / REPLACE EXISTING CONDUITS, GRADE SITE TO PROPOSED ELEVATION, INSTALL A NEW EQUIPMENT PAD AND REINSTALL EXISTING CONTROL PANEL AND WIRING.

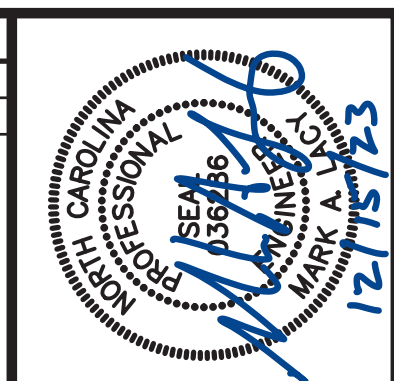
PROPOSED PUMP STATION TOP PLAN (BID ALTERNATE #1)
 NOT TO SCALE



PROPOSED PUMP STATION BOTTOM PLAN (BID ALTERNATE #1)
 NOT TO SCALE

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Pump Station Profiles
 (Bid Alternate #1)

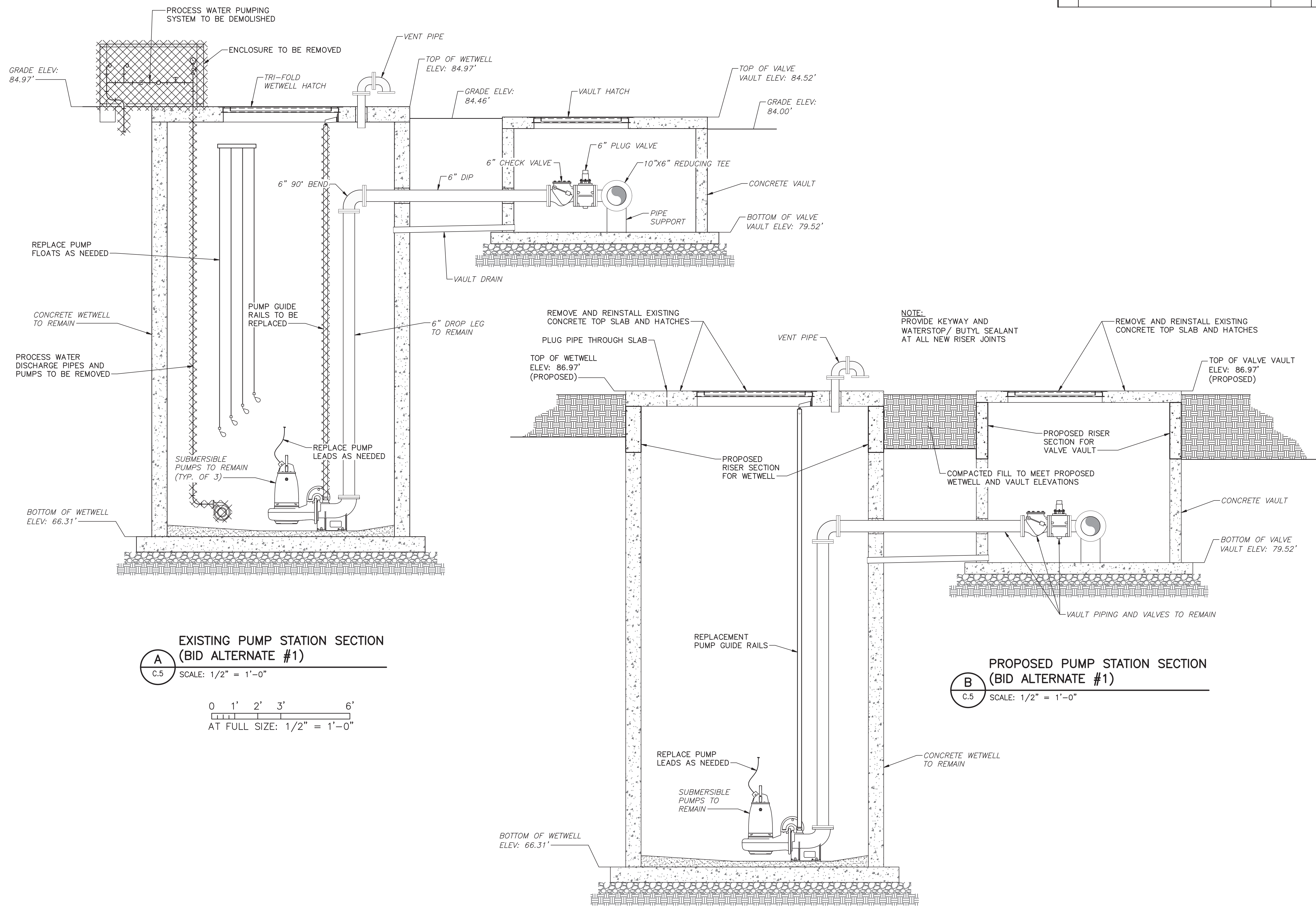
WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

DATE: December, 2023

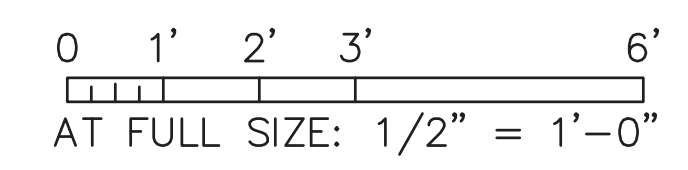
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NO.
 C.5

PRELIMINARY - DO NOT USE FOR CONSTRUCTION



A EXISTING PUMP STATION SECTION
 (BID ALTERNATE #1)
 C.5 SCALE: 1/2" = 1'-0"



B PROPOSED PUMP STATION SECTION
 (BID ALTERNATE #1)
 C.5 SCALE: 1/2" = 1'-0"

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Existing Headworks And
 Blowers Site Plan

WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

DATE: December, 2023

DESIGNED: MAL

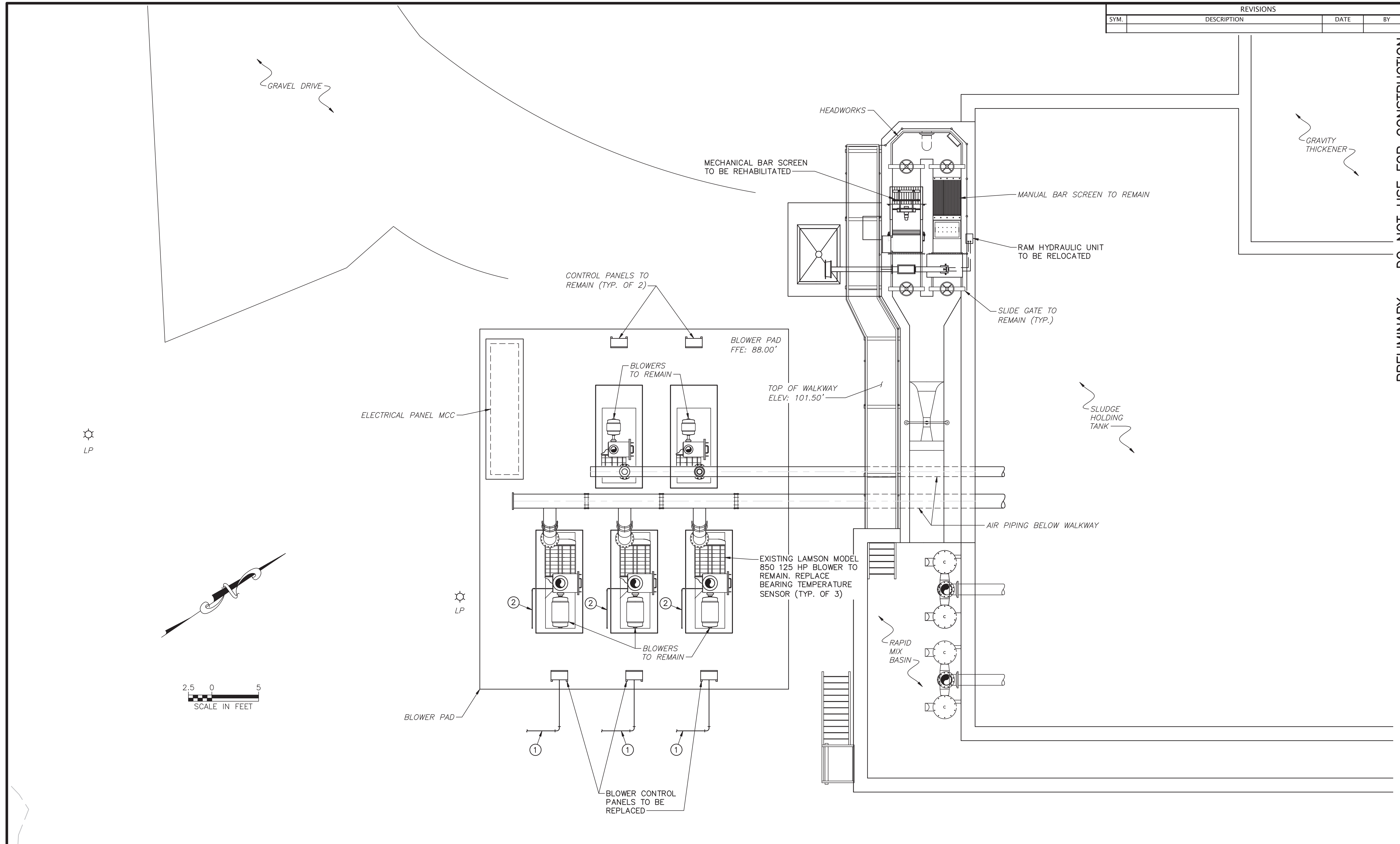
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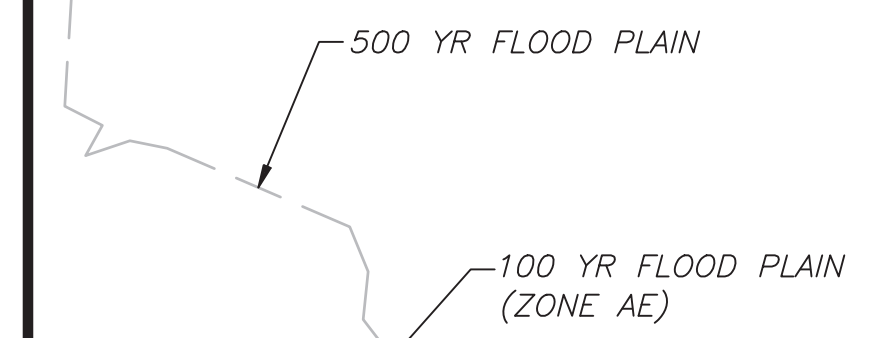
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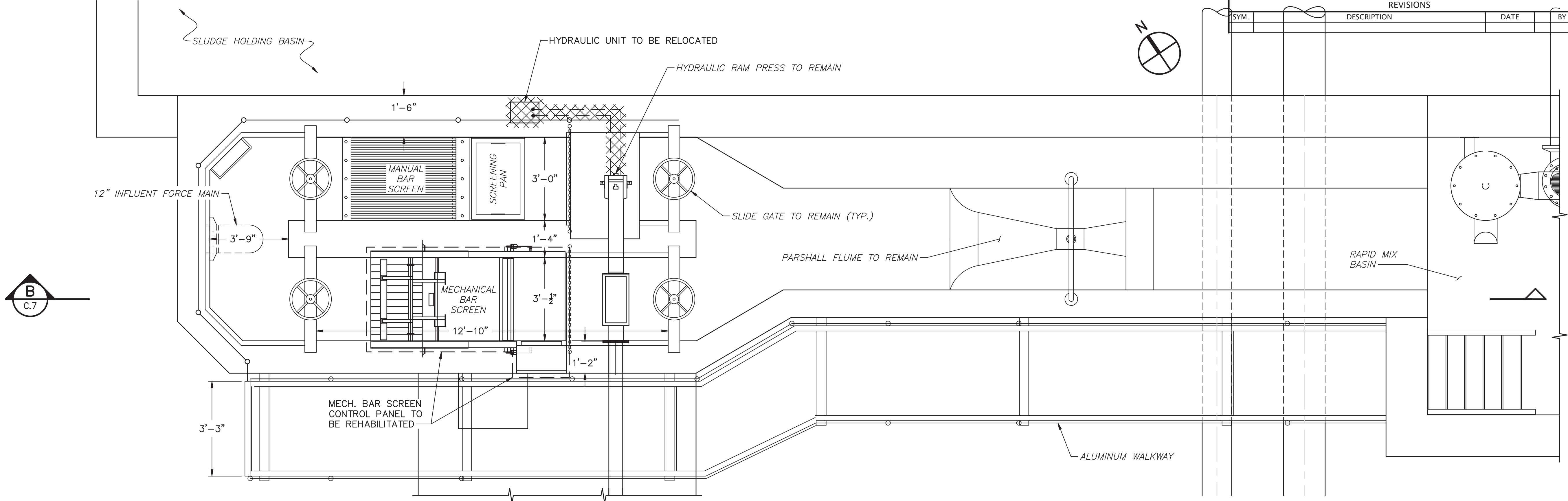
KEY NOTE LEGEND	
①	3 - 410, 2 #12, 1 #3G, 2 1/2" CONDUIT TO ELECTRICAL PANEL MCC
②	8 - #14, 1 #14G, 3/4" CONDUIT TO RESPECTIVE BLOWER CONTROL PANEL

- BLOWER CONTROL PANEL REPLACEMENT NOTES**
1. REMOVE EXISTING EQUIPMENT SUCH THAT (2) BLOWERS WILL REMAIN OPERATIONAL AT ALL TIMES.
 2. PROVIDE AND INSTALL ALUMINUM SHELTER FOR EACH ENCLOSURE.

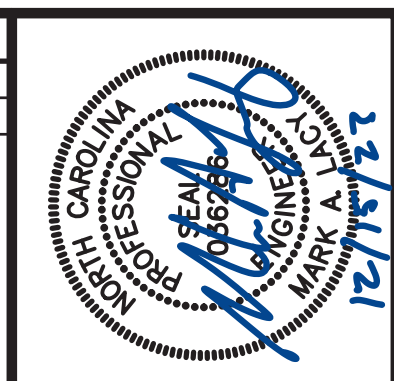
- SCOPE OF WORK / CONSTRUCTION SEQUENCE - BAR SCREEN REHABILITATION**
1. DIVERT FLOW TO MANUAL BAR SCREEN, DEWATER AND CLEAN MECHANICAL BAR SCREEN AND CHANNEL
 2. COMPLETE REHABILITATION OF EXISTING BAR SCREEN AND CONTROLS COMPONENT REPLACEMENT IN EXISTING ENCLOSURE
 3. INSTALL GALVANIZED STEEL SUPPORT PLATFORM WITH HANDRAILS AND KICKPLATE AND RELOCATE EXISTING HYDRAULIC UNIT AND HOSE.



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Existing Bar Screen Plan
 And Profile

WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

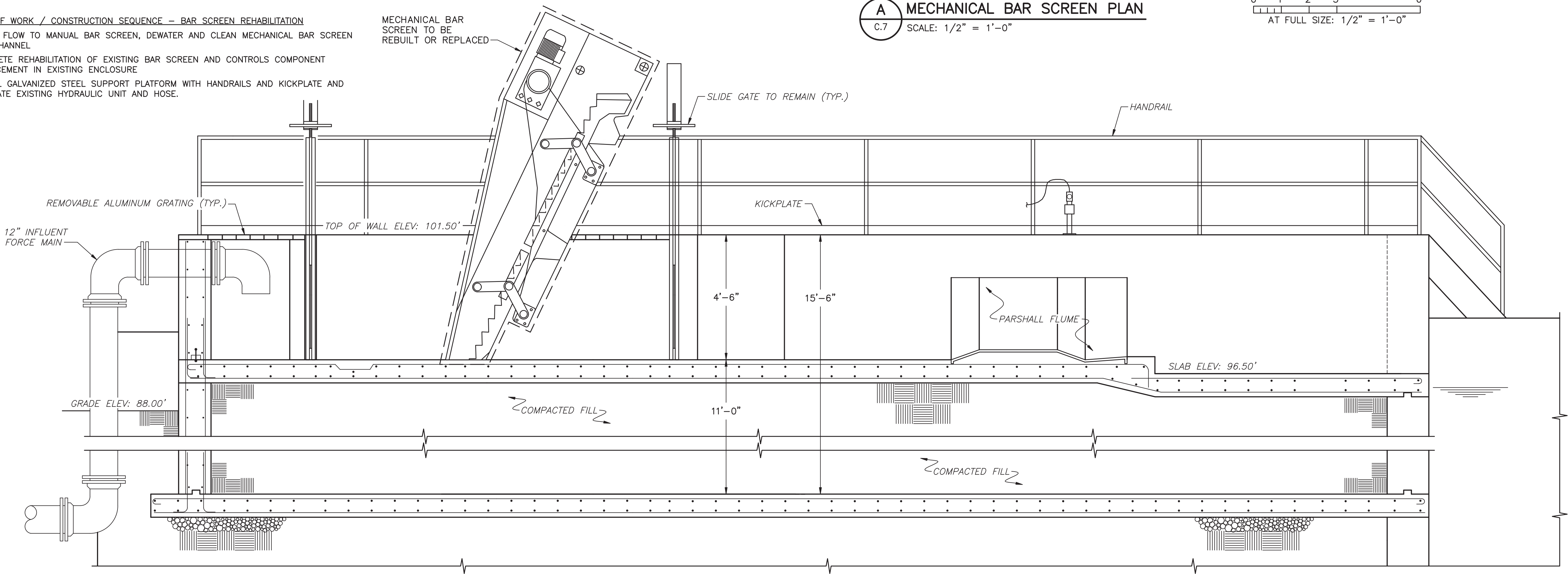
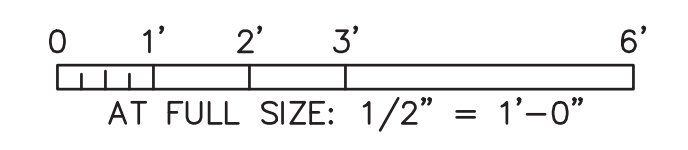
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CHECKED:	MAL
NO.	

C.7

- SCOPE OF WORK / CONSTRUCTION SEQUENCE – BAR SCREEN REHABILITATION**
- DIVERT FLOW TO MANUAL BAR SCREEN, DEWATER AND CLEAN MECHANICAL BAR SCREEN AND CHANNEL
 - COMPLETE REHABILITATION OF EXISTING BAR SCREEN AND CONTROLS COMPONENT REPLACEMENT IN EXISTING ENCLOSURE
 - INSTALL GALVANIZED STEEL SUPPORT PLATFORM WITH HANDRAILS AND KICKPLATE AND RELOCATE EXISTING HYDRAULIC UNIT AND HOSE.

MECHANICAL BAR SCREEN TO BE REBUILT OR REPLACED

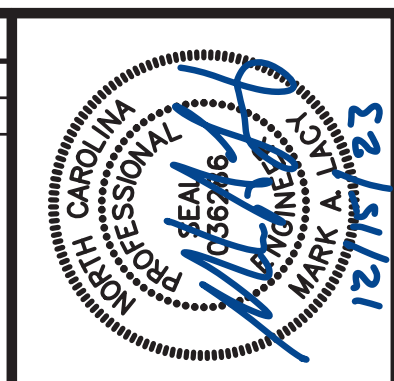
A MECHANICAL BAR SCREEN PLAN
C.7 SCALE: 1/2" = 1'-0"



B MECHANICAL BAR SCREEN PROFILE
C.7 SCALE: 1/2" = 1'-0"

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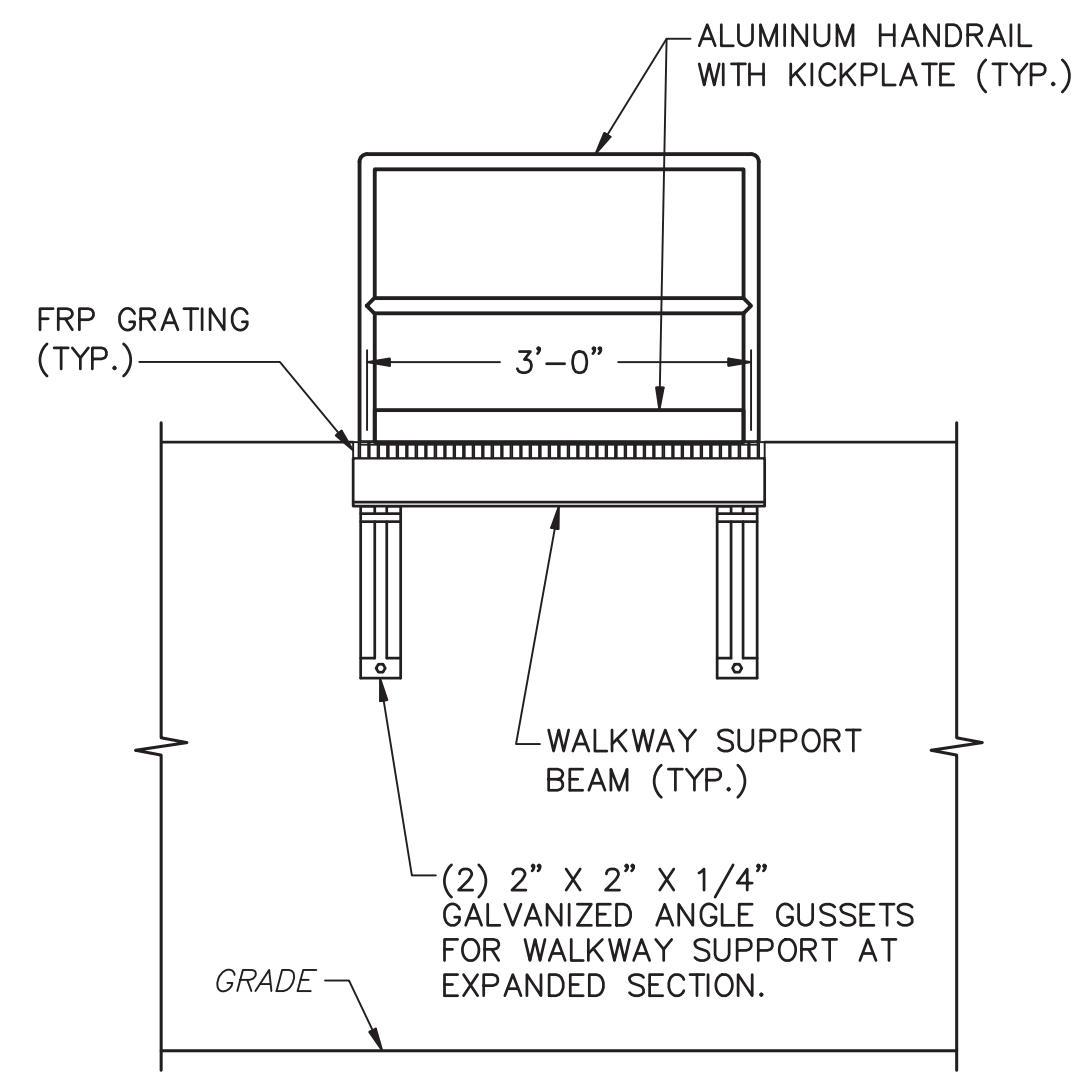
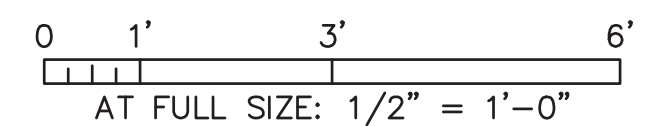
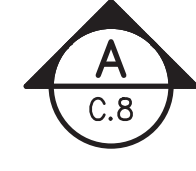
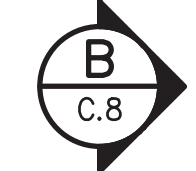
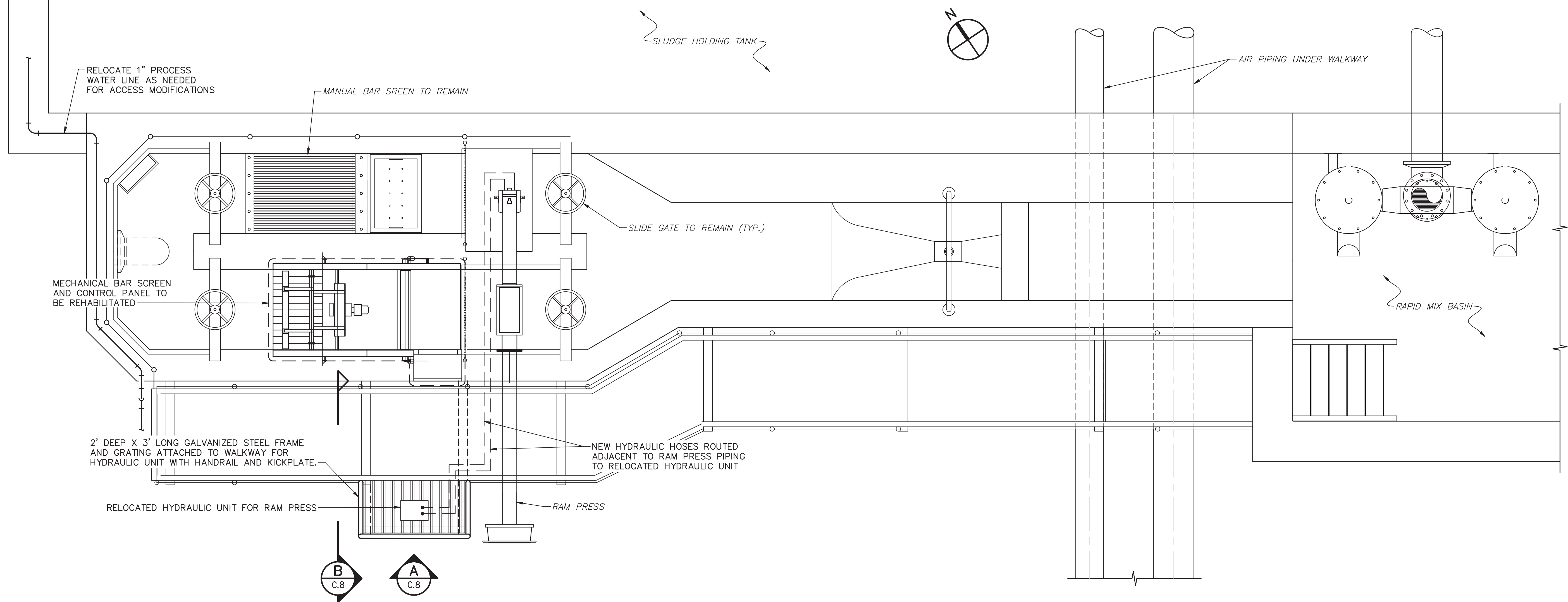


Proposed Headworks
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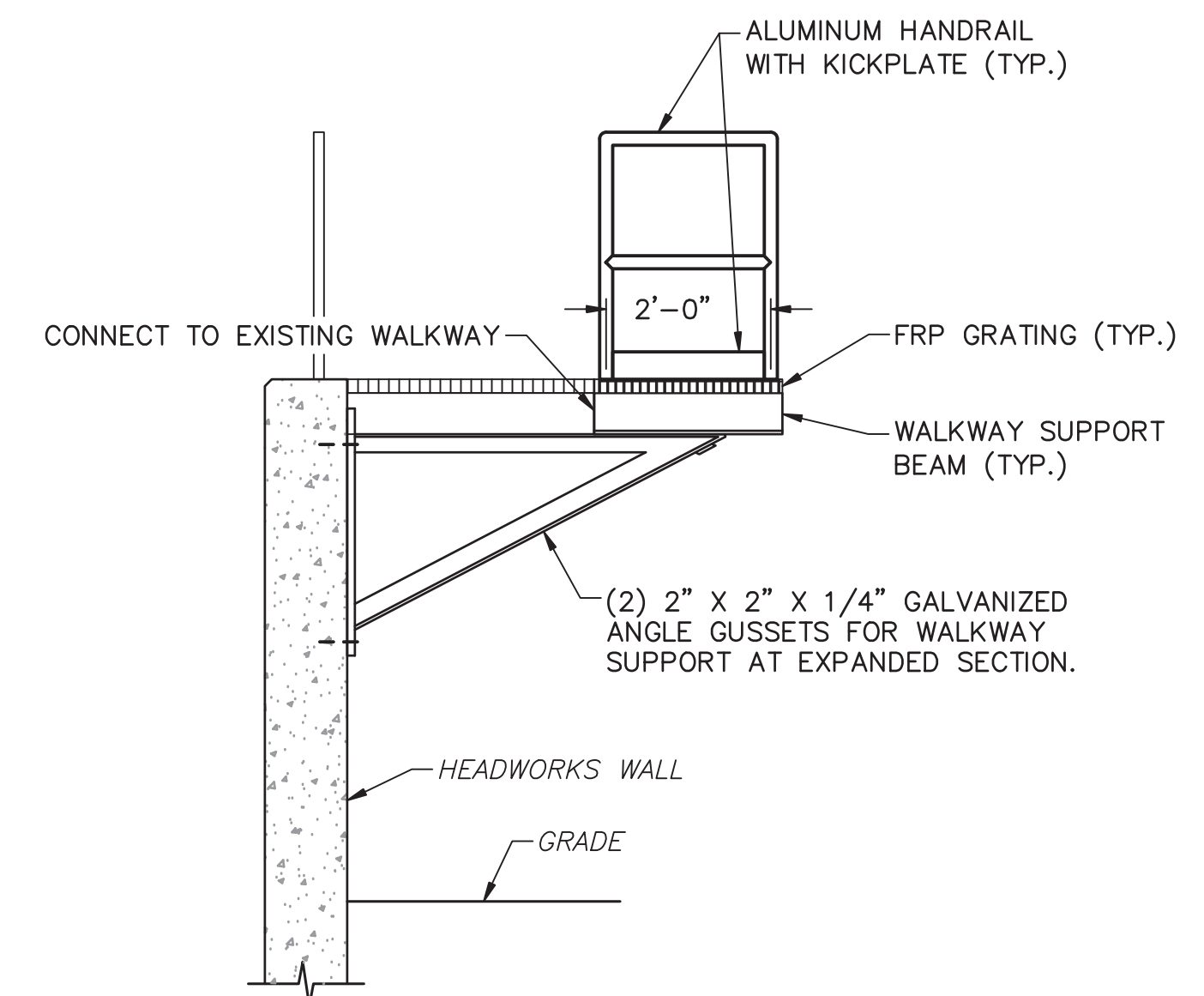
WASTEWATER TREATMENT
 PLANT IMPROVEMENTS
 FOR THE
 TOWN OF FAIRMONT
 Robeson County, North Carolina

DATE: December, 2023
 DESIGNED: MAL
 DRAWN: DJN
 CHECKED: MAL
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C.8



A PROPOSED WALKWAY ELEVATION
 C.8 NOT TO SCALE



B PROPOSED WALKWAY SECTION
 C.8 NOT TO SCALE

PRELIMINARY - DO NOT USE FOR CONSTRUCTION

Section 106 ATTACHMENT 2:

**Proposed Project NRHP and
NC SHPO HPOWEB Maps**

Town of Fairmont WWTP Improvements – National Register of Historic Places Map



Town of Fairmont WWTP Improvements – NC SHPO HPOWEB Map



Section 106 ATTACHMENT 3:

Subject Property Photographs

FAIRMONT WWTP IMPROVEMENTS PROJECT – SITE VISIT PHOTOGRAPHS

Fairmont WWTP Layout and Photo Key



Photo No. 1 Grinder Unit



Photo No. 2 – Control Unit



Photo No. 3 Grinder Tooth Outlet & Disposal



Photo No. 4 Effluent Tank



Photo No. 5 Control Unit



Photo No. 6 1980's Control Unit



Photo No. 7 Entry Gate System



Photo No. 8 Entry Gate System



Photo No. 10 Lift Station



Photo No. 11 Lift Station Control Panel



Photo No. 12 Lift Station Electrical Panel



Photo No. 13 Lift Station, Facing WWTP



Photo No. 14 Lift Station Equipment Access



Photo No. 15 Lift Station Equipment



Photo No. 16 Fairmont Wastewater Treatment Plant Facing Northwest



Photo No. 17 Plant Control Equipment



Photo No.18 Broken Effluent Gate



Photo No. 19 Effluent Pond



**Photo No. 20 Effluent Pond
(Height Due to Storm-Damaged Gates)**





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 ▾

Appendix A

When To Consult With Tribes Under Section 106

Section 106 requires consultation with federally-recognized Indian tribes when a project may affect a historic property of religious and cultural significance to the tribe. Historic properties of religious and cultural significance include: archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places, traditional cultural landscapes, plant and animal communities, and buildings and structures with significant tribal association. The types of activities that may affect historic properties of religious and cultural significance include: ground disturbance (digging), new construction in undeveloped natural areas, introduction of incongruent visual, audible, or atmospheric changes, work on a building with significant tribal association, and transfer, lease or sale of properties of the types listed above.

If a project includes any of the types of activities below, invite tribes to consult:

- significant ground disturbance (digging)**
Examples: new sewer lines, utility lines (above and below ground), foundations, footings, grading, access roads
- new construction in undeveloped natural areas**
Examples: industrial-scale energy facilities, transmission lines, pipelines, or new recreational facilities, in undeveloped natural areas like mountaintops, canyons, islands, forests, native grasslands, etc., and housing, commercial, and industrial facilities in such areas
- incongruent visual changes**
Examples: construction of a focal point that is out of character with the surrounding natural area, impairment of the vista or viewshed from an observation point in the natural landscape, or impairment of the recognized historic scenic qualities of an area
- incongruent audible changes**
Examples: increase in noise levels above an acceptable standard in areas known for their quiet, contemplative experience
- incongruent atmospheric changes**
Examples: introduction of lights that create skyglow in an area with a dark night sky
- work on a building with significant tribal association**
Examples: rehabilitation, demolition or removal of a surviving ancient tribal structure or village, or a building or structure that there is reason to believe was the location of a significant tribal event, home of an important person, or that served as a tribal school or community hall
- transfer, lease or sale of a historic property of religious and cultural significance**
Example: transfer, lease or sale of properties that contain archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, plant and animal communities, or buildings and structures with significant tribal association
- None of the above apply**

Fairmont WWTP Improvements
Project

Andrea Gievers
Reviewed By

2/16/24
Date

ATTACHMENT 11:

Sole Source Aquifers

EPA Sole Source Aquifer Map

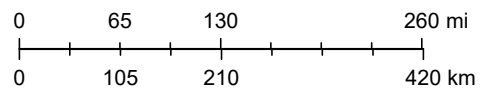
U.S. EPA Sole Source Aquifer Map



4/17/2023, 4:12:52 PM

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 Sole_Source_Aquifers



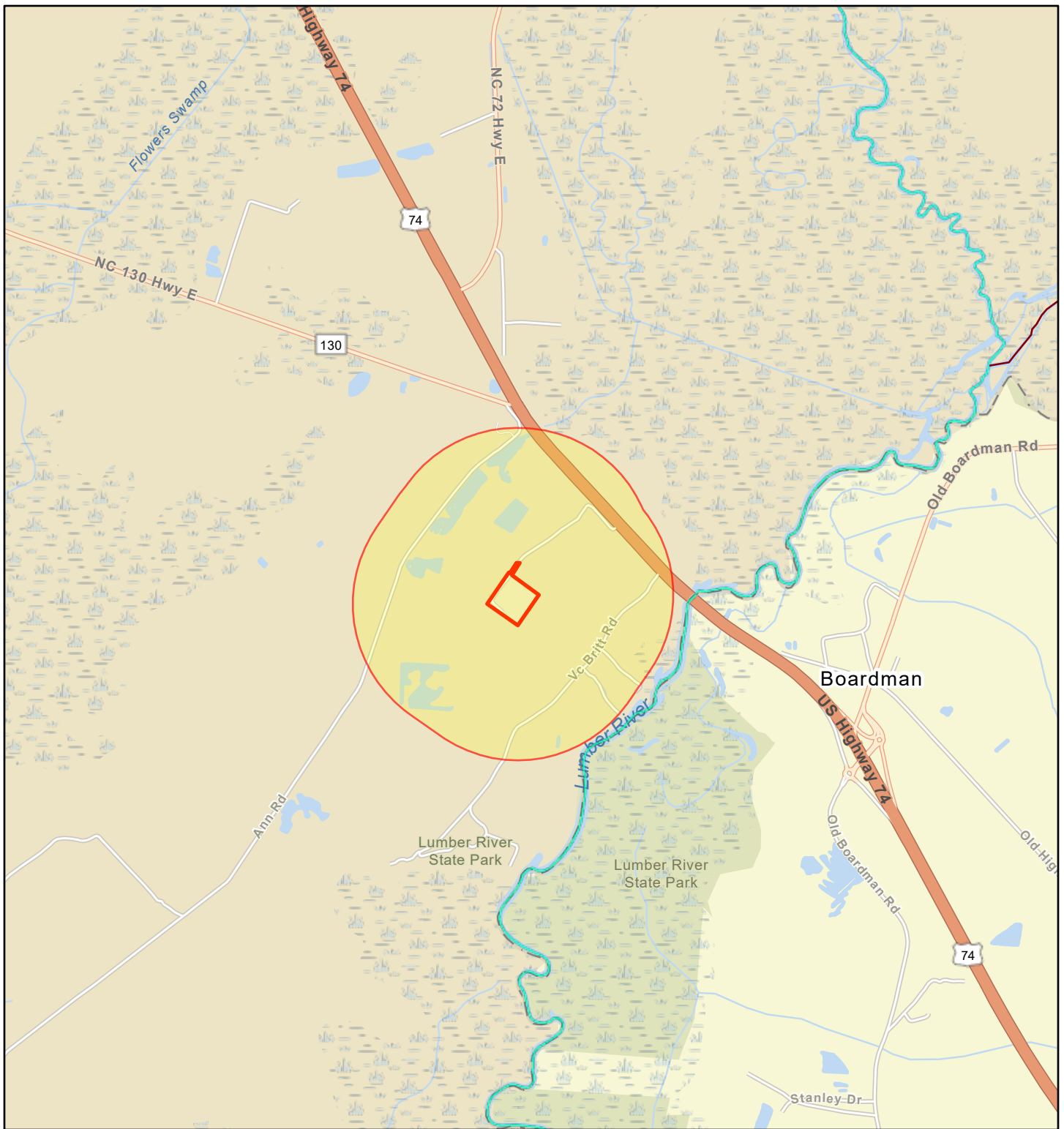
Esri, HERE, Garmin, NGA, USGS, NPS

ATTACHMENT 12:

Wild and Scenic Rivers





NEPAssist Map of DOI NPS Nationwide Rivers
Inventory and National Wild and Scenic Rivers System
Showing 0.45-mile Buffer from Proposed Project Site

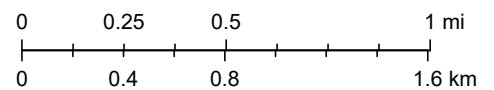
Fairmont WWTP - Wild Scenic River with 0.45-mile Buffer



February 13, 2024

1:36,112

-  Nationwide Rivers Inventory Official
-  Project Buffer
-  Fairmont WWTP
-  Wild and Scenic Rivers



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

ATTACHMENT 13:

Environmental Justice

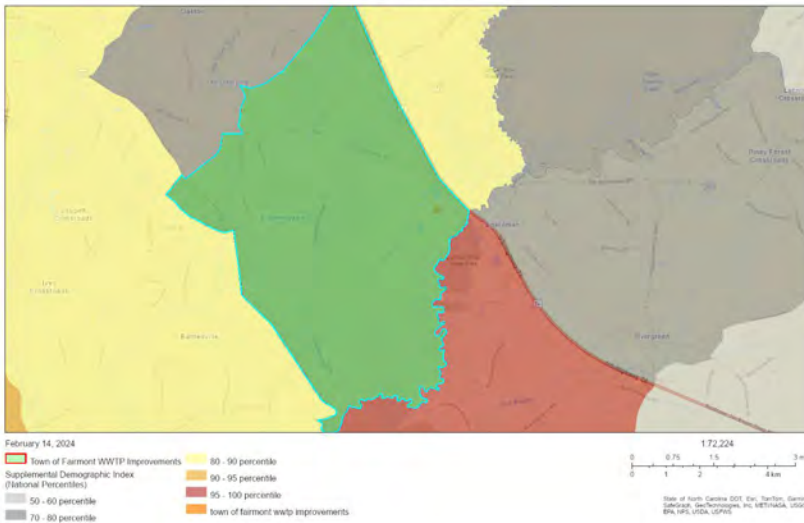
EJScreen Community Report

This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

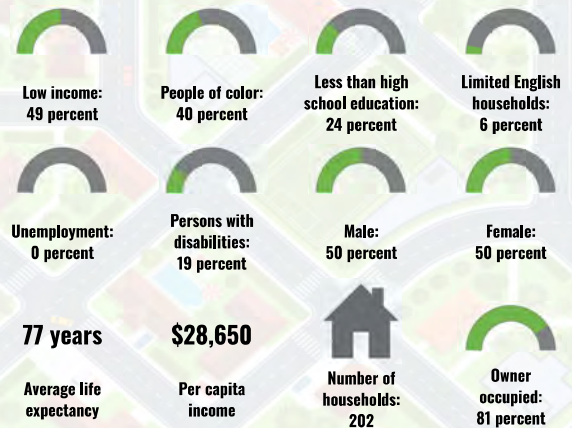
Robeson County, NC

Blockgroup: 371559616023
 Population: 484
 Area in square miles: 22.72

A3 Landscape



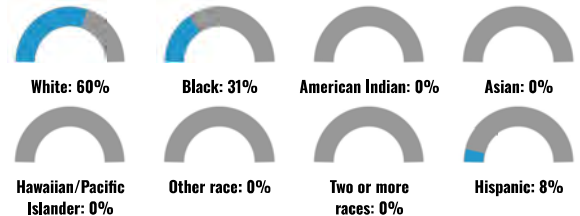
COMMUNITY INFORMATION



LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	97%
Spanish	3%
Total Non-English	3%

BREAKDOWN BY RACE



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.

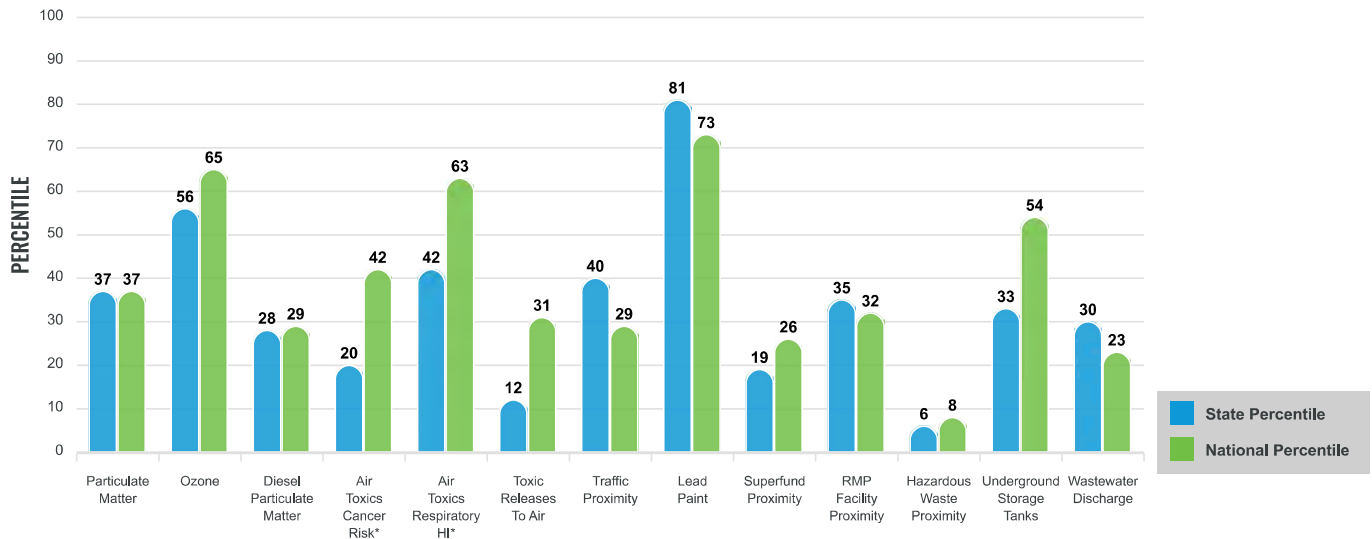
Environmental Justice & Supplemental Indexes

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.

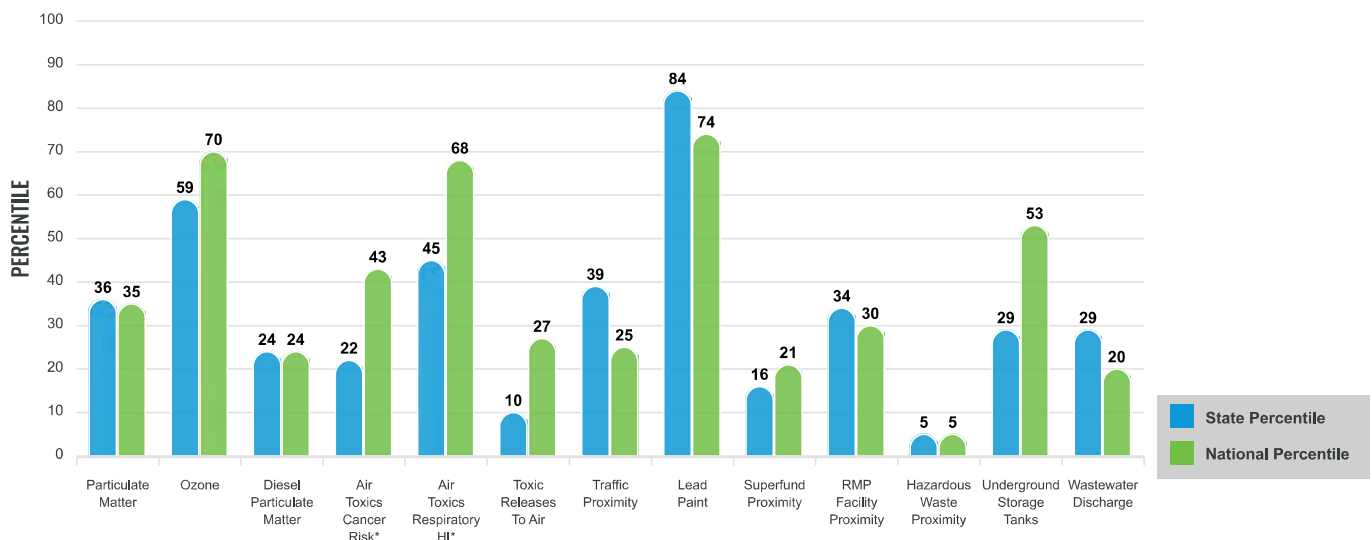
EJ INDEXES FOR THE SELECTED LOCATION



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 Blockgroup: 371559616023

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter ($\mu\text{g}/\text{m}^3$)	6.91	7.8	22	8.08	18
Ozone (ppb)	60.3	61.7	35	61.6	43
Diesel Particulate Matter ($\mu\text{g}/\text{m}^3$)	0.0869	0.168	14	0.261	12
Air Toxics Cancer Risk* (lifetime risk per million)	20	27	1	25	5
Air Toxics Respiratory HI*	0.3	0.34	9	0.31	31
Toxic Releases to Air	31	3,100	6	4,600	14
Traffic Proximity (daily traffic count/distance to road)	5.6	79	21	210	12
Lead Paint (% Pre-1960 Housing)	0.25	0.17	74	0.3	53
Superfund Proximity (site count/km distance)	0.015	0.081	10	0.13	11
RMP Facility Proximity (facility count/km distance)	0.061	0.26	18	0.43	14
Hazardous Waste Proximity (facility count/km distance)	0.027	0.52	3	1.9	3
Underground Storage Tanks (count/km ²)	0.13	3.9	16	3.9	29
Wastewater Discharge (toxicity-weighted concentration/m distance)	2E-06	0.25	17	22	10
SOCIOECONOMIC INDICATORS					
Demographic Index	45%	36%	69	35%	69
Supplemental Demographic Index	20%	15%	78	14%	78
People of Color	40%	37%	60	39%	59
Low Income	49%	34%	76	31%	80
Unemployment Rate	0%	6%	0	6%	0
Limited English Speaking Households	6%	2%	88	5%	78
Less Than High School Education	24%	12%	87	12%	86
Under Age 5	0%	5%	0	6%	0
Over Age 64	20%	18%	66	17%	68
Low Life Expectancy	21%	21%	55	20%	67

*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	0
Air Pollution	0
Brownfields	0
Toxic Release Inventory	0

Other community features within defined area:

Schools	1
Hospitals	0
Places of Worship	0

Other environmental data:

Air Non-attainment	No
Impaired Waters	Yes

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 Blockgroup: 371559616023

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	21%	21%	55	20%	67
Heart Disease	8.4	6.5	83	6.1	88
Asthma	10.8	9.4	88	10	75
Cancer	6.6	6.2	58	6.1	59
Persons with Disabilities	19%	14%	80	13.4%	83

CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	13%	10%	83	12%	76
Wildfire Risk	30%	9%	89	14%	84

CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	60%	16%	99	14%	99
Lack of Health Insurance	13%	11%	68	9%	79
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	Yes	N/A	N/A	N/A	N/A
Food Desert	No	N/A	N/A	N/A	N/A

Report for Blockgroup: 371559616023

Location: User-specified polygonal location
 Ring (buffer): 1-miles radius
 Description: Fairmont WWTP - EPA Facilities 1-mile Buffer

Summary of ACS Estimates		2017 - 2021
Population		36
Population Density (per sq. mile)		21
People of Color Population		12
% People of Color Population		34%
Households		11
Housing Units		14
Housing Units Built Before 1950		1
Per Capita Income		20,711
Land Area (sq. miles) (Source: SF1)		1.68
% Land Area		100%
Water Area (sq. miles) (Source: SF1)		0.00
% Water Area		0%

	2017 - 2021 ACS Estimates	Percent	MOE (±)
Population by Race			
Total	36	100%	529
Population Reporting One Race	35	98%	1,073
White	24	66%	436
Black	8	21%	234
American Indian	2	6%	138
Asian	0	0%	13
Pacific Islander	0	0%	13
Some Other Race	2	6%	239
Population Reporting Two or More Races	1	2%	42
Total Hispanic Population	2	6%	239
Total Non-Hispanic Population	34		
White Alone	24	66%	436
Black Alone	8	21%	234
American Indian Alone	2	6%	138
Non-Hispanic Asian Alone	0	0%	13
Pacific Islander Alone	0	0%	13
Other Race Alone	0	0%	13
Two or More Races Alone	1	2%	42
Population by Sex			
Male	19	52%	350
Female	17	48%	232
Population by Age			
Age 0-4	2	6%	77
Age 0-17	9	26%	169
Age 18+	27	74%	289
Age 65+	8	23%	239

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) 2017 - 2021

Location: User-specified polygonal location
 Ring (buffer): 1-miles radius
 Description: Fairmont WWTP - EPA Facilities 1-mile Buffer

	2017 - 2021 ACS Estimates	Percent	MOE (±)
Population 25+ by Educational Attainment			
Total	23	100%	375
Less than 9th Grade	1	6%	48
9th - 12th Grade, No Diploma	4	15%	92
High School Graduate	12	52%	250
Some College, No Degree	2	8%	63
Associate Degree	2	10%	58
Bachelor's Degree or more	2	7%	47
Population Age 5+ Years by Ability to Speak English			
Total	34	100%	497
Speak only English	32	95%	448
Non-English at Home ¹⁺²⁺³⁺⁴	2	5%	168
¹ Speak English "very well"	1	4%	157
² Speak English "well"	0	1%	53
³ Speak English "not well"	0	1%	49
⁴ Speak English "not at all"	0	0%	45
³⁺⁴ Speak English "less than well"	0	1%	66
²⁺³⁺⁴ Speak English "less than very well"	0	1%	85
Linguistically Isolated Households*			
Total	0	100%	31
Speak Spanish	0	100%	22
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	11	100%	201
< \$15,000	2	14%	54
\$15,000 - \$25,000	2	13%	58
\$25,000 - \$50,000	3	24%	66
\$50,000 - \$75,000	2	14%	54
\$75,000 +	4	34%	170
Occupied Housing Units by Tenure			
Total	11	100%	201
Owner Occupied	9	77%	193
Renter Occupied	3	23%	60
Employed Population Age 16+ Years			
Total	27	100%	401
In Labor Force	11	39%	177
Civilian Unemployed in Labor Force	1	9%	74
Not In Labor Force	17	61%	346

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: Fairmont WWTP - EPA Facilities 1-mile Buffer

	2017 - 2021 ACS Estimates	Percent	MOE (±)
Population by Language Spoken at Home*			
Total (persons age 5 and above)	N/A	N/A	N/A
English	N/A	N/A	N/A
Spanish	N/A	N/A	N/A
French, Haitian, or Cajun	N/A	N/A	N/A
German or other West Germanic	N/A	N/A	N/A
Russian, Polish, or Other Slavic	N/A	N/A	N/A
Other Indo-European	N/A	N/A	N/A
Korean	N/A	N/A	N/A
Chinese (including Mandarin, Cantonese)	N/A	N/A	N/A
Vietnamese	N/A	N/A	N/A
Tagalog (including Filipino)	N/A	N/A	N/A
Other Asian and Pacific Island	N/A	N/A	N/A
Arabic	N/A	N/A	N/A
Other and Unspecified	N/A	N/A	N/A
Total Non-English	N/A	N/A	N/A

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) 2017 - 2021.
 *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: Fairmont WWTP - EPA Facilities 1-mile Buffer

Summary		Census 2010
Population		57
Population Density (per sq. mile)		25
People of Color Population		16
% People of Color Population		0.28821257610751816%
Households		26
Housing Units		30
Land Area (sq. miles)		2.28
% Land Area		0.998964484035359%
Water Area (sq. miles)		0.00
% Water Area		0.0010355159646410093%

Population by Race	Number	Percent
Total	57	-----
Population Reporting One Race	56	.9906897984272891%
White	41	.7202925280669691%
Black	11	.19738051713110333%
American Indian	4	.0646664271306344%
Asian	0	.23196474542887038%
Pacific Islander	0	0%
Some Other Race	0	.08118361353153376%
Population Reporting Two or More Races	1	.00931020157271097%
Total Hispanic Population	1	.02053665023390056%
Total Non-Hispanic Population	56	.9794633497660994%
White Alone	41	.7117874238924818%
Black Alone	11	.9612159497923798%
American Indian Alone	4	.06178375176076695%
Non-Hispanic Asian Alone	0	.23196474542887038%
Pacific Islander Alone	0	0%
Other Race Alone	0	.09207551218033914%
Two or More Races Alone	0	.08617859266380404%

Population by Sex	Number	Percent
Male	28	.4916558769718228%
Female	29	.5083441230281772%

Population by Age	Number	Percent
Age 0-4	4	.06486005433078447%
Age 0-17	13	.2749118140362096%
Age 18+	44	.7725088185963791%
Age 65+	8	.4294213441417372%

Households by Tenure	Number	Percent
Total	26	
Owner Occupied	21	.787534829608878%
Renter Occupied	6	.226517039112206%

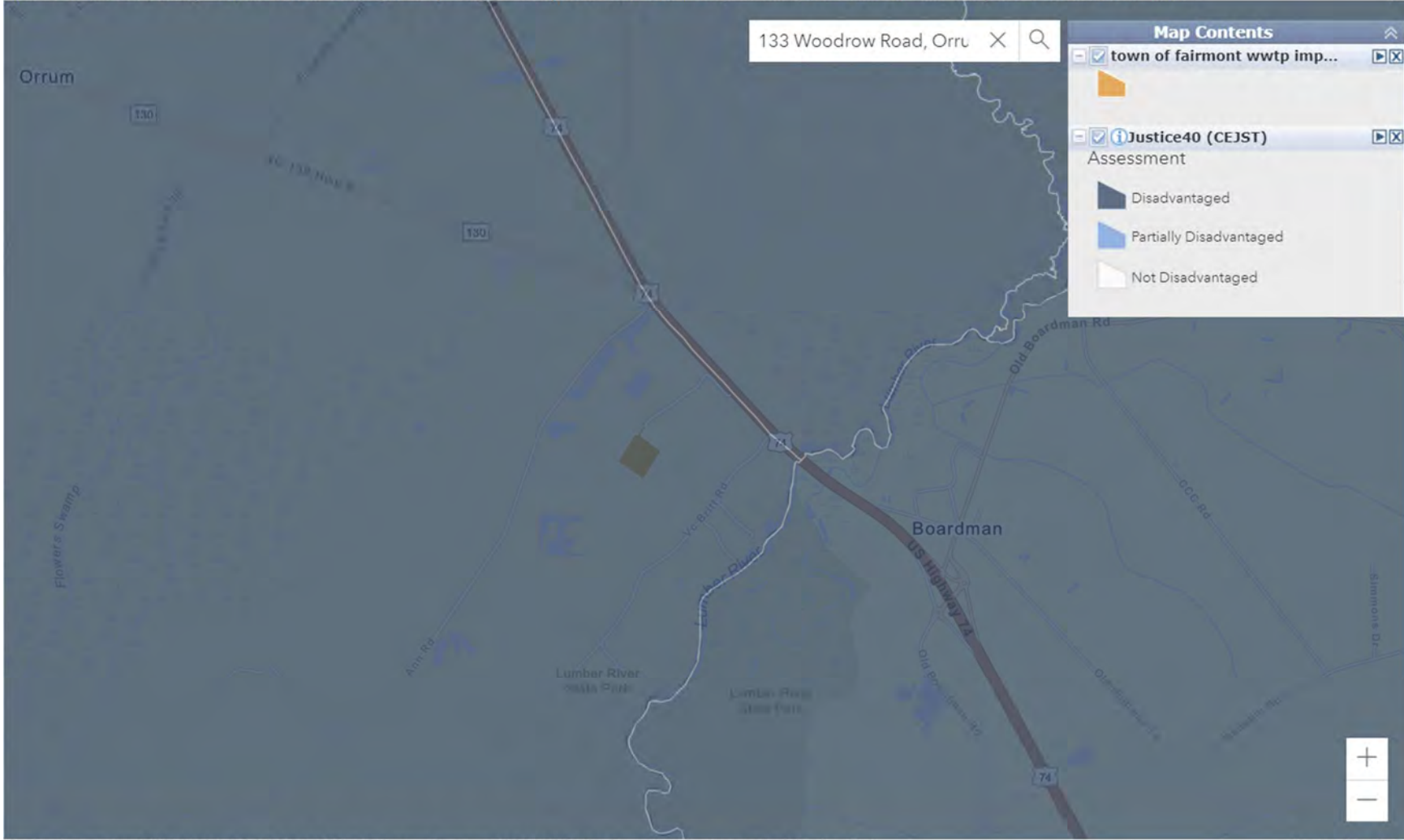
Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race.
Source: U.S. Census Bureau, Census 2010 Summary File 1.

Town of Fairmont WWTP Improvements – EJScreen Justice40 (CEJST) Disadvantaged

Screening and Mapping Tool (Version 2.2)

[EJScreen Website](#) | [Mobile](#) | [Glossary](#) | [Help](#)

comparable to the US. It is only comparable to the territory itself by using the 'Compare to State' functionality. Likewise, some of the indicators may not be available for territories.

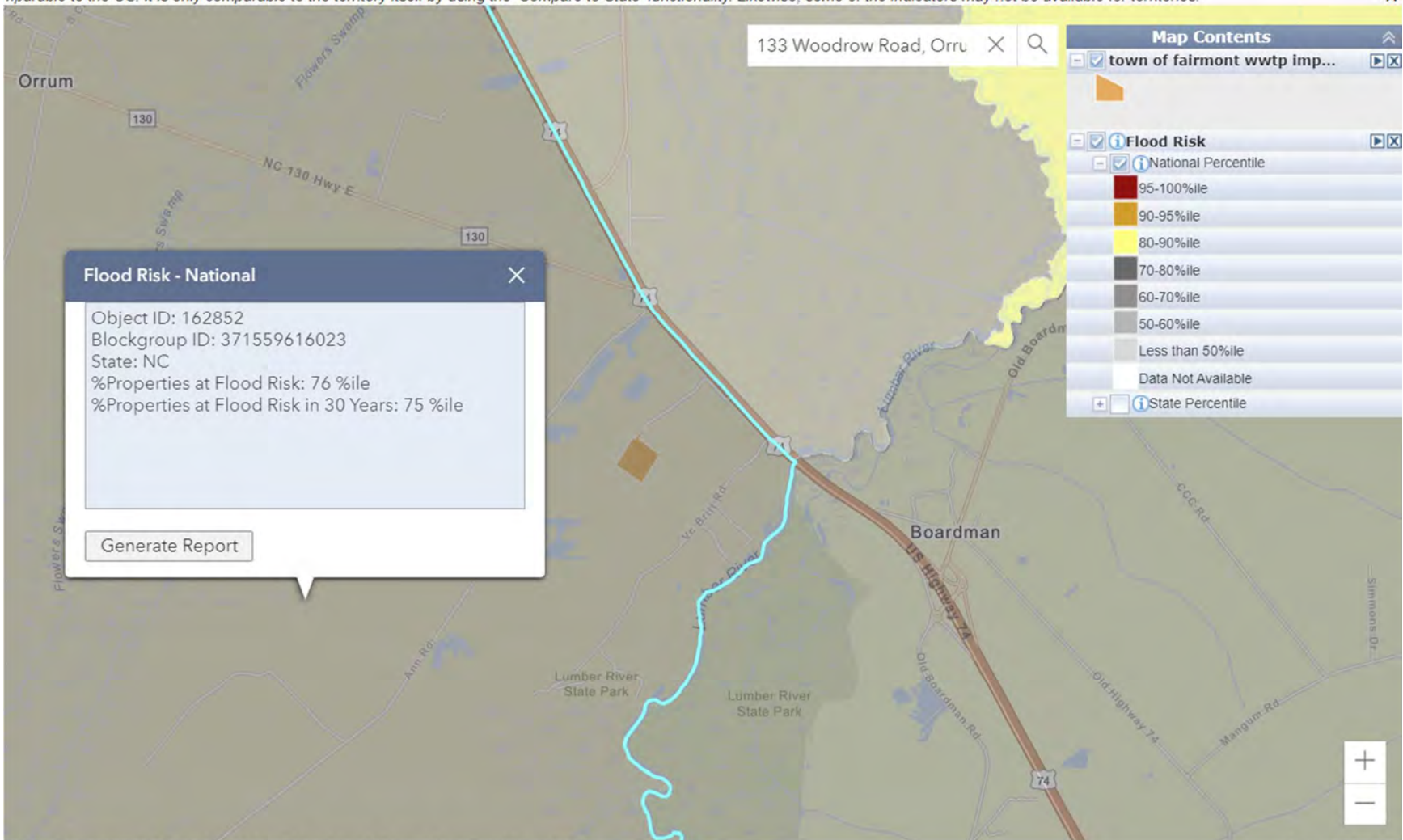


Town of Fairmont WWTP Improvements – EJScreen Flood Risk

Screening and Mapping Tool (Version 2.2)

[EJScreen Website](#) | [Mobile](#) | [Glossary](#) | [Help](#)

comparable to the US. It is only comparable to the territory itself by using the 'Compare to State' functionality. Likewise, some of the indicators may not be available for territories.



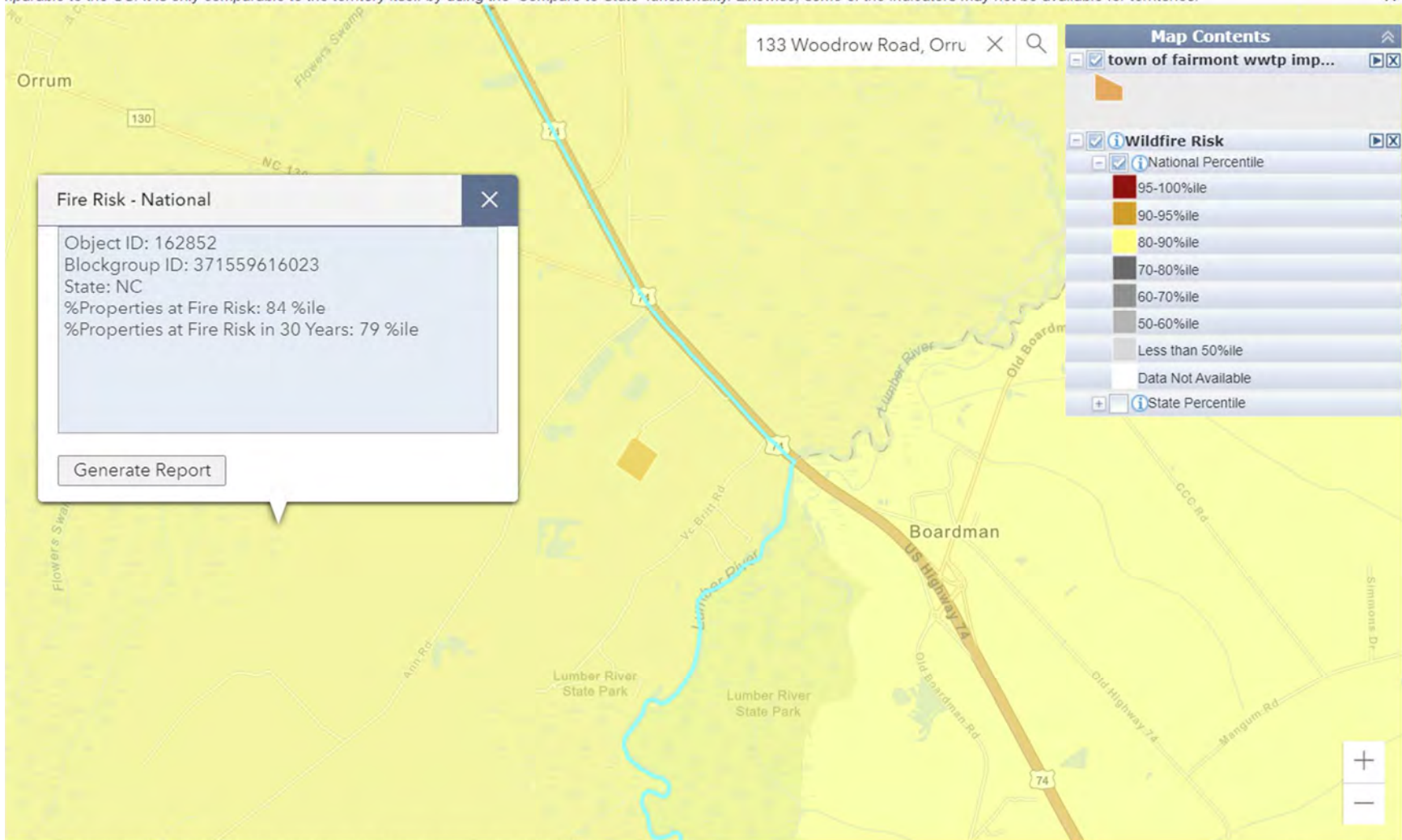
Town of Fairmont WWTP Improvements – EJScreen Wildfire Risk

Screening and Mapping Tool (Version 2.2)

[EJScreen Website](#) | [Mobile](#) | [Glossary](#) | [Help](#)

comparable to the US. It is only comparable to the territory itself by using the 'Compare to State' functionality. Likewise, some of the indicators may not be available for territories.

X



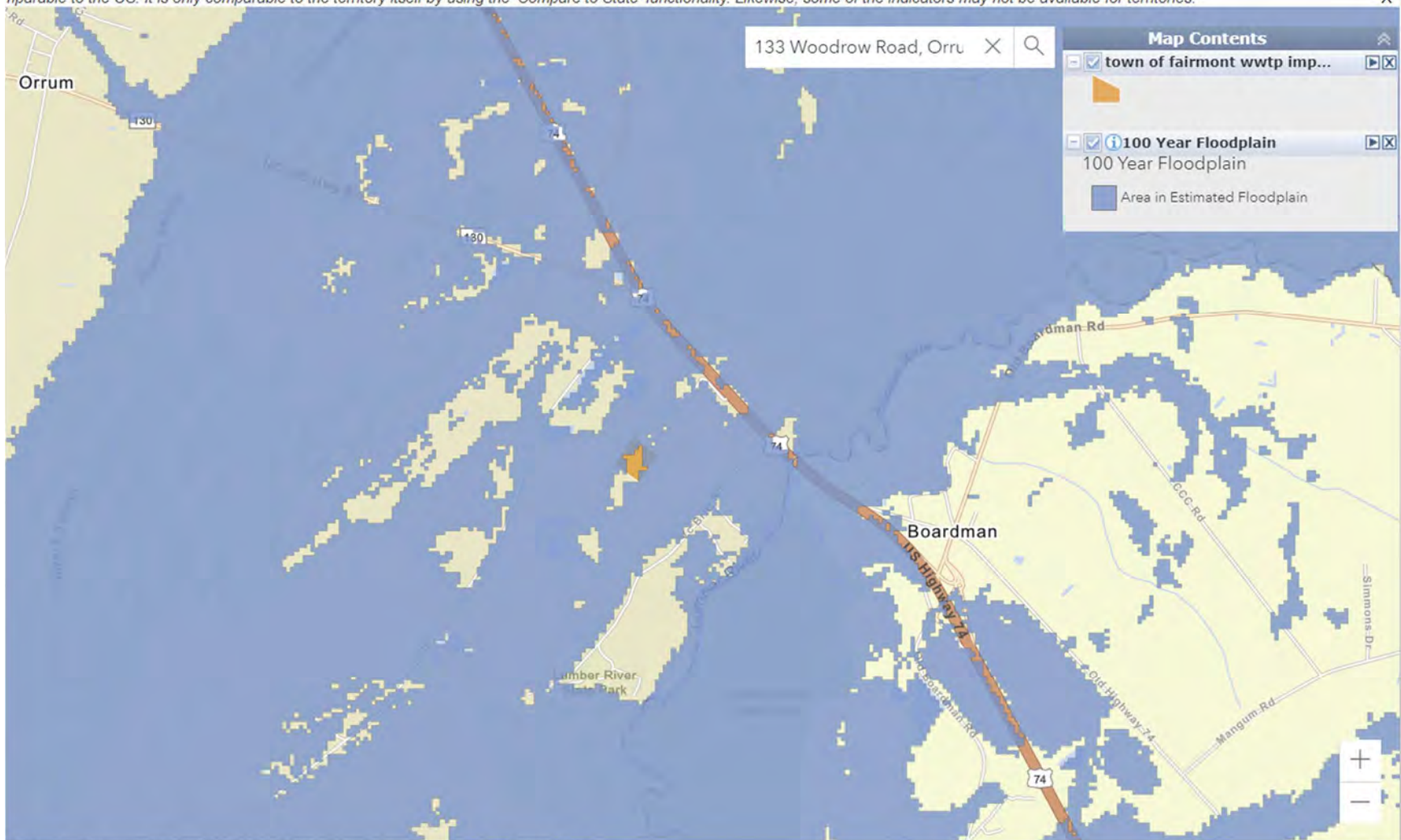
Town of Fairmont WWTP Improvements – EJScreen 100-Year Floodplain

Screening and Mapping Tool (Version 2.2)

[EJScreen Website](#) | [Mobile](#) | [Glossary](#) | [Help](#)

comparable to the US. It is only comparable to the territory itself by using the 'Compare to State' functionality. Likewise, some of the indicators may not be available for territories.

X



Technologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Powered by Esri

Exhibit 2

North Carolina Emergency Management, CDBG-DR Community Recovery/Infrastructure (CRI) 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: _____
- North Carolina County/City: _____
- Activity from NC Action Plan & Amendments: _____
- HUD Form 2880 Completed: _____
- Reserved: _____

Please Note: This completed form and all supporting documentation must be submitted to the CDBG-DR program via the Salesforce system (license required). Acceptable formats are Word, PDF, or Salesforce filled-in fields if this option is available. After receipt of this form Emergency Management, 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: *Kellie Hunt Blue*

PRINTED NAME: Kellie Hunt Blue

TITLE: County Manager

DATE: March 11 2019

CDBG-DR PROJECT NUMBER (from Grant Agreement): 17-R-3004

ATTACH/INCLUDE COMPLETED HUD DISCLOSURE FORM at [HUD Form 2880](#)

Check One: Original Application Amended Application

1. RECIPIENT (County): Insert all contact information for recipient and contact persons.

Name of Recipient: Robeson County

Physical Address:

Federal ID Number:

DUNS Number:

SAMS CAGE Code:

Name of Recipient Contact Person(s):

Telephone Number:

Mailing Address of Recipient:

Email Address of Recipient:

Name, address, phone number, and contact person of Architectural/Engineering firm (if available):

LKC Engineering, LLC works with the Town of Fairmont on all treatment plant improvements.

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: Town of Fairmont Waste Water Treatment Plant Project
- b. County Name: Robeson
- c. Project Address: 133 Woodrow Road, Orrum, NC 28369 (A typo in the original listed address as 129 Woodrow Road, Orrum, NC 28369.
- d. Target Area Census Tract(s) and the geographical area of the low-moderate income persons to benefit from the project: Town of Fairmont City Wide – 63.83% LMI See attachment- (Fairmont Area Wide LMI Status)
- e. Latitude/Longitude of project site, if required: Latitude - 34.447390 Longitude - -78.965880
- f. Will the project be located in the 100-year floodplain or floodway? Yes

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). Regulatory/Statutory Citations:

The Disaster Relief Appropriations Act, 2013 applies to this project. In addition, under Public Law 113-2 CDBG-DR eligible activities are at the grantees disposal. Infrastructure Activities must “Tie Back to the Disaster Requirement and the project activities fall under two of the four activities eligible under the act (see Items 2 and 4 below):

1. Housing Activities
2. *****Infrastructure Activities**
3. Economic Revitalization Activities
4. *****Preparedness and Mitigation Activities**

1. Item #1 under the project is Canal Clean Up/Clean Out - This activity ensures that the canals are able to handle more water under an extreme downpour of rain and helps to mitigate flooding of nearby homes and buildings.
2. Item #2 is Raise the Primary Lift Station at the WWTP – In the past the primary effluent lift station at the plant got flooded preventing the plant from unloading the end product into the river. Raising it will mitigate future damage, overflows, and help reduce down time at the plant. We are also attempting to create a bypass in case that lift station fails after elevation for whatever reason.
3. Item #3 is Removal of Sludge in the Aeration Basin due to inundation of waste water caused by the storm. This will help to free up space in those basins allowing the plant to have more space needed during storm events.
4. Item #4 is WWTP replacement of meters, plow meters, blowers with no spare parts available. The plant is 18 years old and many of the parts needed to keep the WWTP going were damaged during the storm and are in need of replacement. Replacing these parts with new parts will allow better response time in the event they are damaged during a storm. Right now we have to send parts out for them to be made; newer parts can be replaced and repaired more readily and at a greatly reduced cost.
5. Item #5 is Replacing the Bar Screen Teeth – during the storm, so much waste water was processed so rapidly that it stripped the teeth in the bar screen. The bar screen is a mechanical filter that is used in a plant to remove large objects such as rags, and plastics. Running the plant with stripped teeth can result in a major shutdown of the plant.

4. NATIONAL OBJECTIVE:

National Objective to be addressed.

- Activities Benefiting Low/Moderate Income Persons
- Prevention/Elimination of Slums or Blight
- Urgent Need – I have added this national objective due to recent storm events (Hurricane Florence)
- Not Applicable—Planning

Briefly discuss how the project meets that National Objective. As discussed above the Town of Fairmont is served by the Regional Plant and is documented as being 63.83% LMI. Mitigating costs will greatly reduce the chances of high increases in user fees to offset the expenses. Because we have had two storms within as many years, the projects listed above are urgently needed because of the storm trends and high levels of rain the county is still experiencing.

5. ANTICIPATED PROJECT FUNDING AND COST ESTIMATE: See the Attached Engineer’s Certification and Cost Estimate

PROJECT FUNDS	AMOUNT	SOURCE AND STATUS	REMARKS (IF ANY)
CDBG-DR	\$500,000		
LOCAL FUNDS			
PRIVATE FUNDS			
OTHER STATE FUNDS			
FEDERAL FUNDS			
OTHER FUNDS			
TOTAL	\$500,000		

PROJECT COST ESTIMATE

Complete the project budget by addressing the categories provided in the table below (Insert rows as needed). Total the cost amount for each line, and provide the total cost amount.

	CDBG-DR Funding Requested	Other Secured Funding Source(s)	Total Cost Amount
Indicate construction costs by line item			
<u>Construction Costs</u>	\$450,000		\$450,000
<i>Contingency (10% of construction costs):</i>	\$50,000		\$50,000
<i>Construction Subtotal:</i>	\$500,000		\$500,000
<u>Engineering Costs</u>			
Engineering Design	-0-		-0-
Permitting	-0-		-0-
Land Surveying Costs	-0-		-0-
<i>Engineering Subtotal:</i>			
<u>Administration Costs</u>			
Planning	-0-		-0-
Easement Preparation (if applicable)	-0-		-0-
Grant Administration (if applicable)	-0-		-0-
Environmental Documentation Preparation	-0-		-0-
Legal Costs	-0-		-0-
Other			

Administration Subtotal:	-0-		-0-
TOTAL PROJECT COST:	\$500,000		\$500,000
Please provide a PE Seal for the estimate in the space to the right.			

Please also provide the following information:

Environmental Review Record Complete: _____ Acquisition/Closing (if applicable): _____ N/A

Design Complete: _____ N/A _____ Construction **Start Date: Once the funds are released, a start date can be put in place with an anticipated implementation term of 48 months.**

Construction End Date: the construction end will be 48 months after the start date.

HUD Matrix Code (Can be found at <https://www.hudexchange.info/resources/documents/Matrix-Code-Definitions.pdf>) **03I and 03J**

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? **Construction project involving the repair and replacement of parts, elimination of sludge and elevation of the primary effluent lift station.**

- b. **(For Public Housing Authority projects only)** What is the estimated number of units that will be rehabilitated/reconstructed under the proposed project? **N/A**

- c. **(For Public Housing Authority projects only)** What is the estimated average cost per unit for the proposed rehabilitation/construction? **N/A**

- d. Is the proposed project new construction, rehabilitation, upgrading of existing facilities, other?

The proposed project involves rehabilitation, elevation and upgrading of equipment at the WWTP as well as removal of sludge.

- e. What is the anticipated duration of the construction (in days)? **The anticipated duration is not to exceed 730 days or 48 months.**

f. What are the objectives of the project? **The WWTP was weakened by the storm resulting in less than optimum performance. The objective is to make the plant more durable and more capable of handling excess waste water during storm events. The elevation of the primary lift station will ensure that the lift station is not under floor waters which will disable it. It can continue to pump if it is out of the flood waters.**

g. What are the expected results?

With the repairs listed herein, the town expects to repair and replace parts that were damaged or worn out during the storm and elevate the primary lift station all of which will help to stabilize and strengthen the WWTP.

h. Are there any known historic districts or properties that will be impacted by the proposed project?

No historic districts or properties will be impacted by the proposed project.

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) _____
- 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**

k. What are the previous and proposed uses of the impacted property or site? **The impacted site will continue in its current use as a WWTP.**

l. Is the project in conformance with any approved community plans? **Yes**

m. Will Davis –Bacon Wages be required on this project? **No**

n. Will Section 3 apply to the proposed project? **No**

o. Do you anticipate any program income as a result of the proposed project? **No**

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** We have asked our engineer to develop an estimate for work only.

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.

None

Please also provide a description regarding whether the intent is to use CDBG-DR funds to pay for activities completed or currently underway.

N/A

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 **X** No _____

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?

It is sufficiently separate from that plan or project, does not rely on it to provide a complete project, and does not trigger CDBG-DR requirements on other parts of the plan/project.

BENEFICIARIES/PUBLIC BENEFIT/TARGET AREA:

Please provide a narrative addressing the following questions:

- Who are the beneficiaries of the proposed project? **The entire town and our partners are beneficiaries.**
- What are the expected benefits to these beneficiaries, and where do they live? **The town will be able to continue treating waste water for its citizens and partners at current or planned user fee increases.**

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 **X** Target Area(s) _____

Name and Zip Code of Community-wide or Target Area: Town of Fairmont 28340

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.”

On the southern side of NC Hwy 74 in Orrum, NC on Woodrow Road.

How many other projects funded with CDBG-DR funds relate to the project? **None**

Does the project relate to any other project that NCEM should be aware of? Yes

Fair Bluff Fairmont Initiative and the Waste Water AIA projects. Both of which relate to this project.

If flood insurance is required, has the entity that will be required to carry it in perpetuity been informed of this requirement? **N/A** Yes No

Is this project receiving FEMA Public Assistance funding? Yes X No

Is this project receiving FEMA Public Assistance 406 Hazard Mitigation Funds? Yes X No

If Yes, please provide the FEMA Project Worksheet number(s) for this project application: _____

(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 X No

Is this project receiving any Army Corps of Engineers funding? Yes X No

If yes, please provide the type of funds applied for and application number: _____

Is this project receiving any Environmental Protection Agency funds? Yes X No

If yes, please provide the type of funds applied for and application number? _____

Is this project receiving any Department of Energy funds? Yes X No

If yes, please provide the type of funds applied for and application number: _____

Is this project receiving any Department of Transportation funds? Yes X No

If yes, please provide the type of funds applied for and application number: _____

Is this project receiving any Department of the Interior funds? Yes X No

If yes, please provide the type of funds applied for and application number: _____

Is this project receiving any State funds (e.g. Disaster Recovery Act funds)? Yes X No

If yes, please provide the type of funds applied for and application number: _____

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? **0**
- How does it address a recovery objective of the community from Hurricane Matthew?

During the storm flood waters inundated the plant to the point where the generator stack melted and fell off. The inflow and infiltration from storm waters from all of the Fairmont Regional Waste Water Plant partners; Fairmont, Fair Bluff, Proctorville, Orrum Middle School, Boardman, and Cerro Gordo were sent to the town’s facility, overworking the components of the facility and causing irregularities and major breakdowns. After the storm, we were able to pinpoint the cause of the irregularities. Also, keep in mind that the flood waters from the City of Lumberton also flowed to Fairmont and Fair Bluff. The town’s drainage canals sustained major flooding, downed trees and debris buildup. Normal storm water has little impact on the plant.

One example of how the storm impacted the WWTP is the Bar Screen Teeth. Under normal use the teeth do a very good job of screening out large objects that occasionally enter the waste water. During the storm, massive amounts of large objects entered the waste water driven by the storm to the point that the plant could not keep up with the overload and the teeth ended up being stripped.

DESCRIPTION OF CONSTRUCTION INVOLVED

Please provide a narrative addressing the following questions:

- How extensive is the proposed construction? **Repair and replacement of parts can be extensive.**
- Will digging, earthwork, boring, tunneling, etc. be involved in the project? **No**

The construction is considered to be extensive simply because major components of the plant must be repaired and replaced and the primary lift station will be disabled in order to elevate it. We must keep the plant running while the work is being accomplished. Therefore, as one component is taken out to replace, it will have to be bypassed to keep the plant running. The down time has to be minimized. No digging, earthwork, boring, tunneling, etc. will be involved with this project.

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 land/property or easement acquisition is necessary with this 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.

As mentioned above, the WWTP was substantially weakened by the storm resulting in less than optimum performance. The objective is to make the plant more durable and more capable of handling excess waste water during storm events. The elevation of the primary lift station will ensure that the lift station is not under floor waters during a future storm preventing it from shutting down. In addition, as a result of Hurricane Matthew the accumulation of sludge more than tripled. Under normal conditions, the town has to remove sludge once a year or once every two years. The storm activity tripled the amount of sludge needing to be removed. All of the activities in this project will make the plant more resilient in face of another storm event. The replacement of the parts included in the project will strengthen the plant. Right now, while the plant is operating, it is operating at reduced effectiveness until we are able to replace the parts included in this project.

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?

Yes

Was the proposed project included in the County’s Resilient Redevelopment Plan? If so, please provide page number(s) for reference.

Yes

Briefly describe the community support for the project and any outreach efforts the recipient has taken.

This project is discussed during each board meeting and is the town’s minutes are on our Web page. The community supports any effort of the town that would avoid passing on excess costs to them in the form of user fees.

Are there any significant regulatory, permitting, or environmental issues that may impede the project’s progress?

Even though the plant is located in a flood zone, there will be no environment issues that will impede progress because the work is repair, replace and elevate in place. There is no work outside of the current footprint of the plant or the plant components.

If the project requires additional financial support beyond the NC Community Recovery Infrastructure program funding, are those funds available and/or committed? **No, however, the town can apply for financing if needed.**

8. PROJECT MAPS: Maps are attached.

Please provide the following maps/diagrams:

- Location of the project within the County
- Preliminary site plan

PROJECT COST ESTIMATE

Complete the project budget by addressing the categories provided in the table below (Insert rows as needed). Total the cost amount for each line, and provide the total cost amount.

	CDBG-DR Funding Requested	Other Secured Funding Source(s)	Total Cost Amount
Indicate construction costs by line item			
<u>Construction Costs</u>			
Canal Cleaning	\$54,500.00		\$54,500.00
Raise Rim of Primary Lift Station Rim at WWTP	\$75,000.00		\$75,000.00
Removal of Sludge & Sediment in Aeration Basin	\$90,000.00		\$90,000.00
Replace WWTP Flow Meter & Blowers	\$55,000.00		\$55,000.00
Automatic Bar Screen Repairs	\$180,000.00		\$180,000.00
<i>Contingency (10% of construction costs):</i>	\$45,500.00		\$45,500.00
Construction Subtotal:	\$500,000.00		\$500,000.00
<u>Engineering Costs</u>			
Engineering Design	-0-		-0-
Permitting	-0-		-0-
Land Surveying Costs	-0-		-0-
Engineering Subtotal:			
<u>Administration Costs</u>			
Planning	-0-		-0-
Easement Preparation (if applicable)	-0-		-0-
Grant Administration (if applicable)	-0-		-0-
Environmental Documentation Preparation	-0-		-0-
Legal Costs	-0-		-0-
Other			
Administration Subtotal:	-0-		-0-
TOTAL PROJECT COST:	\$500,000.00		\$500,000.00

Please provide a PE Seal for the estimate in the space to the right.



FAIRMONT AREA WIDE LMI STATUS

According to the Housing and Urban Development Exchange which is designed to provide resources and assistance to support HUD’s Community Partners, the LMI for the Town of Fairmont area wide is 63.83 percent; 12.83 above the HUD-CDBG requirement for assistance as demonstrated in the chart below. I have included the source data above for verification if needed. I have previously supplied data showing that almost 50% of the town is considered to be below the poverty level.

FY 2018 LMISD Local Governments by State, Based on 2006-2010 American Community Survey

These State-level data sets provide **estimates of the number of low and moderate income individuals (LMISD)** by Place and County Subdivision (name and ID) in each State based on the 2006-2010 American Community Survey (ACS).

<https://www.hudexchange.info/programs/acs-low-mod-summary-data/acs-low-mod-summary-data-local-government/>

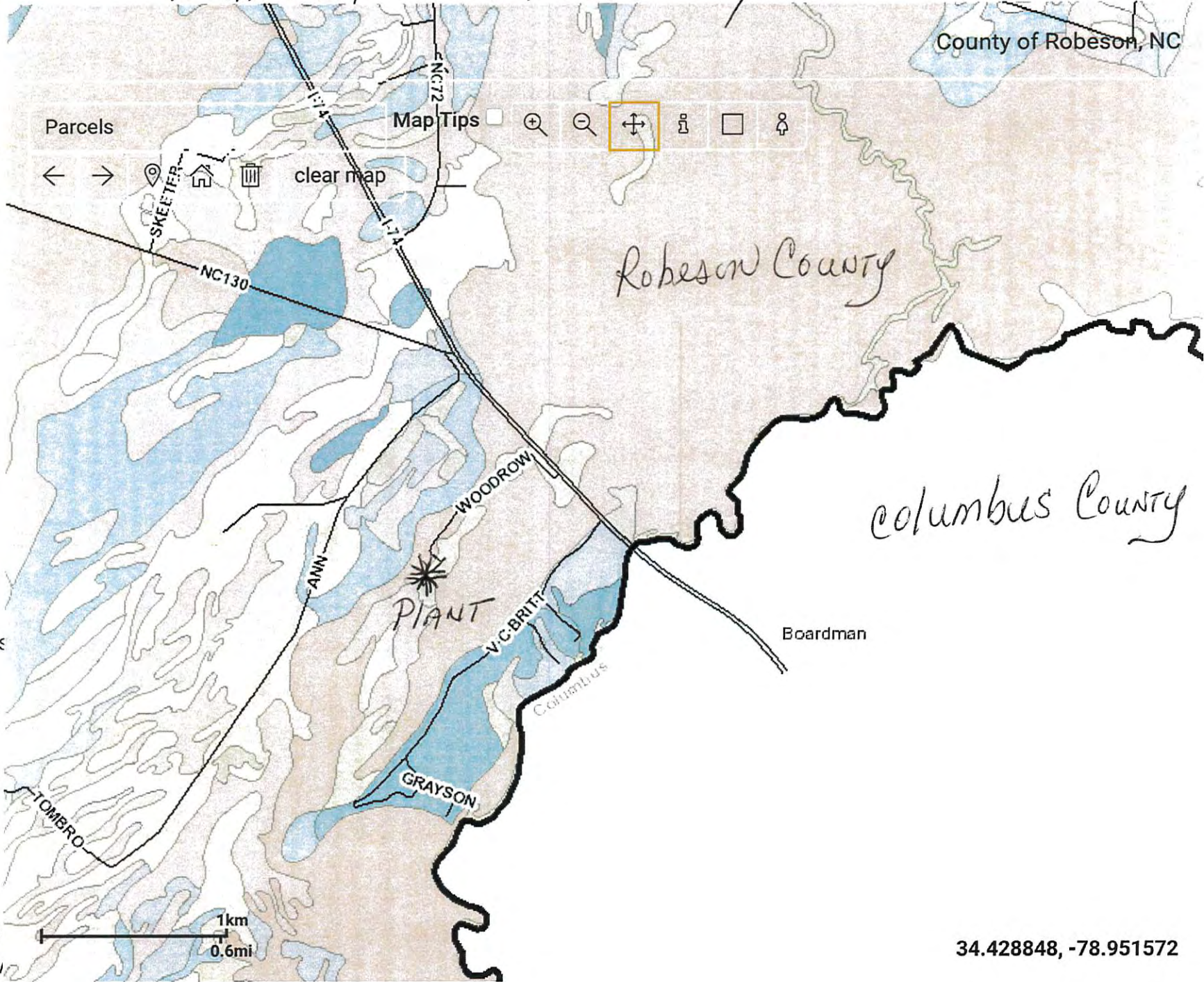
American Community Survey 5-Year 2006-2010 Low and Moderate Income Summary Data

The Community Development Block Grant (CDBG) program requires that each CDBG funded activity must either principally benefit low- and moderate-income persons, aid in the prevention or elimination of slums or blight, or meet a community development need having a particular urgency. With respect to activities that benefit all the residents of a given area, at least 51 percent of the area’s residents must be low and moderate income.

	<u>Geoname</u>	<u>Stusab</u>	<u>State</u>		<u>Low</u>	<u>Lowmod</u>	<u>LMMI</u>	<u>Lowmoduniv</u>	<u>Lowmod_pct</u>
	Fairmont Town, North								
PLACES	Carolina	NC	37	22360	1,120	1,650	1,890	2,585	63.83%

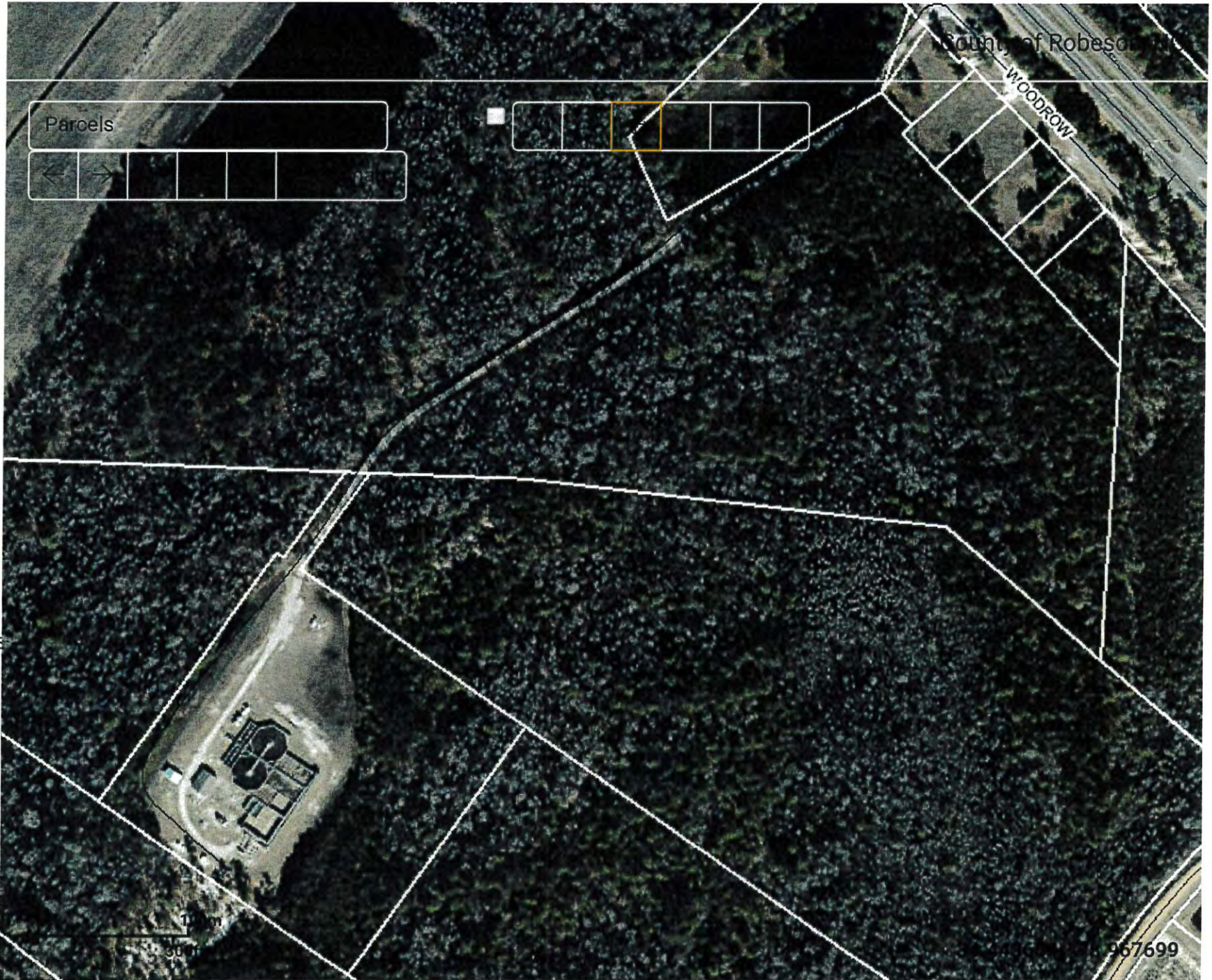
AREA MAP WITH FEMA LAYERS

- BASE MAPS 0
 - MAP LAYERS 0
 - MAP TOOLS 0
 - SEARCH 0
 - PRINT 0
 - SHARE 0
 - HELP 0
- [TECH.NET/AWS](https://www.tech.net/aws)



AREA MAP AERIAL VIEW

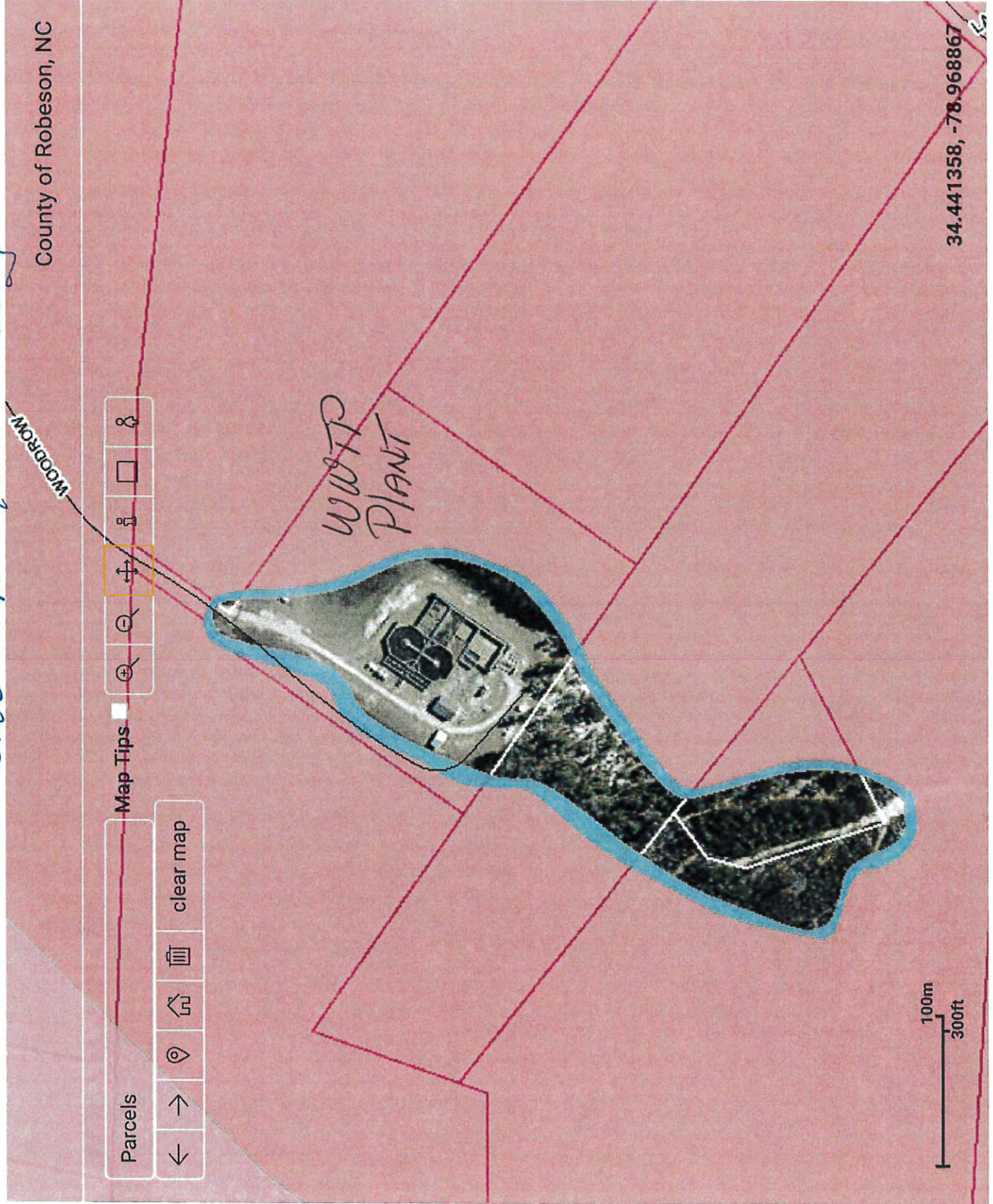
- BASE MAPS 0
 - MAP LAYERS 0
 - MAP TOOLS 0
 - SEARCH 0
 - PRINT 0
 - SHARE 0
 - HELP 0
- [TECH.NET/AWS](https://www.tech.net/aws)



Site MAP - W/WATER-WAY

County of Robeson, NC

34.441358, -78.968867



WWTP
PLANT

100m
300ft

- BASE MAPS 0
- MAP LAYERS 0
- MAP TOOLS 0
- SEARCH 0
- PRINT 0
- SHARE 0
- HELP
- TECH.NET/AWS

Map Tips

Parcels

clear map

Robeson County, North Carolina†

 County highlighted in the State

POPULATION: 134,956

INCOME

Average Household Income

Robeson County: \$36,366

North Carolina: \$57,388

Residents who live below the poverty line



31.5%

Robeson County

13.6%

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

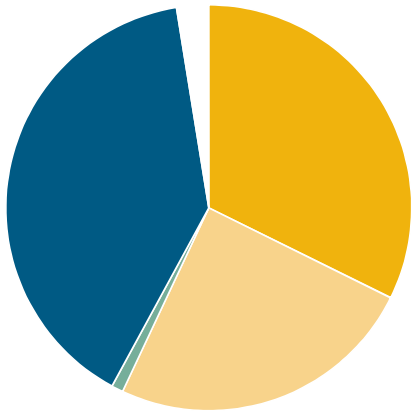
About 3 are 50 years and older

ETHNICITY



1 are Hispanic and 9 are non-Hispanic

RACE



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%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=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 ([../InfoByLocation/showPcMain.action](https://ephrtracking.cdc.gov/InfoByLocation/showPcMain.action))

† 2020 data from the National Environmental Public Health Tracking Network ([../showHome.action](https://ephrtracking.cdc.gov/showHome.action))



Asthma[†]

Percent of **adults** who currently have asthma

8.3%

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.

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[%3A%2F%2Fephrtracking.cdc.gov%2FInfoByLocation%2F&text=Check%20out%20environmental%20health%20in%20your%20county&hashtags=PublicHealth,Tracking\)](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/DataExplorer/?query=1F12A3B5-E744-4857-9110-401524CC8D8E&fips=37&G5=9999)) | Learn more about this topic ([../showAsthma.action](https://ephrtracking.cdc.gov/showAsthma.action))

† 2019 data from the National Environmental Public Health Tracking Network ([../showHome.action](https://ephrtracking.cdc.gov/showHome.action))



Air Quality: Ground-Level Ozone[†]



Robeson County residents were exposed to unhealthy levels of ozone for in .

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 in .

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?text=Check%20out%20environmental%20health%20in%20your%20county&hashtags=PublicHealth,Tracking)

<https://twitter.com/share?text=Check%20out%20environmental%20health%20in%20your%20county&hashtags=PublicHealth,Tracking>

<https://ephrtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county>

Discover the data (REPLACED BY JAVASCRIPT) | Learn more about this topic ([../showAirHealth.action](https://ephrtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county))

† data from the National Environmental Public Health Tracking Network ([../showHome.action](https://ephrtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county))



Air Quality: Particulate Matter[†]

ANNUAL AMBIENT CONCENTRATION OF PM_{2.5}

µg/m³*

Robeson County, North Carolina

µg/m³*

Annual National Standard

*Micrograms Per Cubic Meter (µg/m³)

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 , the annual level of PM_{2.5} in **Robeson County** was **µg/m³**. *

* Micrograms per cubic meter (../InfoByLocation/images/content/PM2-5_5.jpg) (µg/m³)

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out%20the%20people%20in%20my%20county.%20Visit%20https://ephrtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county.)

Discover the data (REPLACED BY JAVASCRIPT) | Learn more about this topic (../showAirLanding.action)

† 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.



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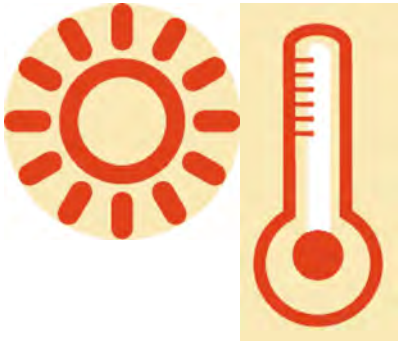
out%20the%20people%20in%20my%20county.%20Visit%20https://ephtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county.)

Discover the data (REPLACED BY JAVASCRIPT) | Learn more about this topic (../showHBSmokingPrevalence.action)

† data from the National Environmental Public Health Tracking Network (../showHome.action)



Extreme Heat[†]



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 with maximum temperatures above 90°F during May–September . Heat-related death or illnesses are preventable if you follow a few simple steps.

- Stay cool.
- Stay hydrated.
- Stay informed.

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%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.)

Discover the data (REPLACED BY JAVASCRIPT) | Learn more about this topic (../showClimateChangeExtremeHeat.action)

† 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 , there were

- **deaths** from heart attacks in Robeson County.
- **deaths** from heart attacks in North Carolina.

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[%3A%2F%2Fephtracking.cdc.gov%2FInfoByLocation%2F&text=Check%20out%20environmental%20health%20in%20your%20county&hashtags=PublicHealth,Tracking](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 (REPLACED BY JAVASCRIPT) | Learn more about this topic (../showHeartAttack.action)

[†] data from the National Environmental Public Health Tracking Network (../showHome.action)



Access To Parks[†]



Live within half a mile of a park in Robeson County



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 ,
of people living in **Robeson County** lived within half a mile of a park.
of people living in **North Carolina** lived within half a mile of a park.

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i3A%2F%2Fephtracking.cdc.gov%2FInfoByLocation%2F&text=Check%20out%20#environmental%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.)

Discover the data (REPLACED BY JAVASCRIPT) | Learn more about this topic (../showPcMain.action)

† data from the National Environmental Public Health Tracking Network (../showHome.action)



Proximity To Highways[†]



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 , of the population of Robeson County lived within 150 meters* of a major highway.

In , of Robeson County public schools (preK-4th grade) were sited within 150 meters* of a major highway.

* 150 meters is about 2 blocks.

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out%20the%20people%20in%20my%20county.%20Visit%20https://ephtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county.)

Discover the data (REPLACED BY JAVASCRIPT) | Learn more about this topic (../showProximityToHighways.action)

† data from the National Environmental Public Health Tracking Network (../showHome.action)



Visit the Tracking Network for more information about your health and the environment.

www.cdc.gov/ephtracking (<http://www.cdc.gov/ephtracking/>)

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Like us on Facebook

(<http://www.facebook.com/CDCEPHTracking>)

Join our List-serv

([mailto:EPHT@LISTSERV.CDC.GOV?](mailto:EPHT@LISTSERV.CDC.GOV?subject=Please%20add%20me%20to%20CDC's%20Environmen)

[subject=Please%20add%20me%20to%20CDC's%20Environmen](mailto:EPHT@LISTSERV.CDC.GOV?subject=Please%20add%20me%20to%20CDC's%20Environmen)
[serv.&body=Please%20fill%20in%20the%20information%20bel](mailto:EPHT@LISTSERV.CDC.GOV?subject=Please%20add%20me%20to%20CDC's%20Environmen)



ATTACHMENT 14:

**State Environmental Clearinghouse
Comments**

SCH Comments on Draft CEST



Roy Cooper
Governor

Pamela B. Cashwell
Secretary

April 8, 2024

Andrea Gievers
Town of Fairmont
c/o NC Department of Public Safety
Office of Recovery and Resiliency
Durham, NC 27709-

Re: SCH File # 24-E-0000-0225 The proposed project is for improvements to the existing Town of Fairmont WWTP. The contractor will use bypass pumping, temporary electrical service, and temporary process water pumping systems as necessary to ensure operation is not interrupted. Project includes effluent pump station improvements I

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-0000-0225

Date Received: 2/19/2024

County.: ROBESON

Agency Response: 3/20/2024

Review Closed: 3/20/2024

DEVON BORGARDT
CLEARINGHOUSE COORDINATOR
DEPT OF NATURAL & CULTURAL
RESOURCE

Project Information

Type: National Environmental Policy Act Environmental Assessment

Applicant: Town of Fairmont

Project Desc.: The proposed project is for improvements to the existing Town of Fairmont WWTP. The contractor will use bypass pumping, temporary electrical service, and temporary process water pumping systems as necessary to ensure operation is not interrupted. Project includes effluent pump station improvements located at 133 Woodrow Road, Orrum, NC 28369.

As a result of this review the following is submitted:

No Comment

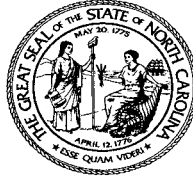
Comments Below

Documents Attached

HPO No Comments ER 24-0534

Reviewed By: DEVON BORGARDT

Date: 3/12/2024



**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.

March 12, 2024

MEMORANDUM

TO: Kadisha Molyneaux kadisha.molyneaux@doa.nc.gov
North Carolina State Clearinghouse
Department of Administration

FROM: Ramona M. Bartos, Deputy
State Historic Preservation Officer *RMB for Ramona M. Bartos*

SUBJECT: Improve Fairmont wastewater treatment plant, 133 Woodrow Road, Orrum, Robeson
County, 24-E-0000-0225, ER 24-0534

Thank you for your email of February 19, 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-0000-0225

Date Received: 2/19/2024

County.: ROBESON

Agency Response: 3/20/2024

Review Closed: 3/20/2024

LYN BILES
CLEARINGHOUSE COORDINATOR
DEPT OF ENVIRONMENTAL QUALITY

Project Information

Type: National Environmental Policy Act Environmental Assessment

Applicant: Town of Fairmont

Project Desc.: The proposed project is for improvements to the existing Town of Fairmont WWTP. The contractor will use bypass pumping, temporary electrical service, and temporary process water pumping systems as necessary to ensure operation is not interrupted. Project includes effluent pump station improvements located at 133 Woodrow Road, Orrum, NC 28369.

As a result of this review the following is submitted:

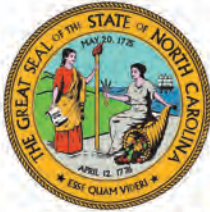
No Comment

Comments Below

Documents Attached

Reviewed By: LYN BILES

Date: 4/8/2024



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: 24-0225
Environmental Assessment -The proposed project is for improvements to the existing Town of Fairmont WWTP. The contractor will use bypass pumping, temporary electrical service, and temporary process water pumping systems as necessary to ensure operation is not interrupted. Project includes effluent pump station improvements located at 133 Woodrow Road, Orrum, NC 28369.
Roberson County

Date: March 19, 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 and recommendations. 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



NORTH CAROLINA
Environmental Quality

MEMORANDUM

TO: Michael Scott, Division Director through Sharon Brinkley

FROM: Amanda Thompson, Environmental Senior Specialist – Solid Waste Section

DATE: March 4, 2024

SUBJECT: Review: SW 24-0225 – Robeson County (Environmental Assessment – Town of Fairmont/USDA-HUD & CDBG-MIT – Proposed project is for improvements to the existing Town of Fairmont WWTP and effluent pump station improvements located at 133 Woodrow Rd., Orrum.)

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 Town of Fairmont/USDA-HUD & CDBG-MIT 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 Town of Fairmont/USDA-HUD & CDBG-MIT 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=7dd59be2750b40bebefa49fc383f688>

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



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

State of North Carolina Department of Environmental Quality
 INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: FRO
 Project Number: 24-0225 Due Date: 03/15/2024
 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: 24-0225 Due Date: 03/15/2024
 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 checked="" 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: 24-0225 Due Date: 03/15/2024
 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"/>		2/20/2024
DWR-WQROS (Aquifer & Surface)	CCT &	<input checked="" type="checkbox"/>	&	2/23/24
DWR-PWS	HLC	<input type="checkbox"/>	This project doesn't appear to affect a public water system but note proper backflow for any cross connections should be installed. If any water lines will be constructed or relocated for this project, plan approval is required per the above comments.	2/23/24
DEMLR (LQ & SW)	MAJ	<input type="checkbox"/>	If the land-disturbing activity satisfies the one (1) acre regulatory threshold, submit an erosion and sediment control plan (ESCP) at least 30 days prior to initiating the project. If the project is one or more acres obtain NPDES Construction Stormwater General Permit NCG010000 Certificate of Coverage prior to initiating land-disturbing activity following approval of the ESCP. If the project is less than one acre, install/maintain appropriate sedimentation and erosion control measures per the Sedimentation Pollution Control Act.	2/20/2024
DWM – UST	KEC	<input type="checkbox"/>	The UST Section, Fayetteville Regional Office, does not have records of a petroleum release in the general area of concern for this project number, nor are there any records of registered USTs. DWM Site Locator Tool https://ncdenr.maps.arcgis.com/apps/webappviewer/index.html?id=7dd59be2750b40bebebf49fc383f688	2/21/24
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"/> 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 | |



NORTH CAROLINA
Environmental Quality

ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

MICHAEL SCOTT

Director

Date: February 21, 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 # 24-0225 Town of Fairmont/USDA-HUD & CDBG-MIT, Robeson County, North Carolina

The Superfund Section has reviewed the proximity of sites under its jurisdiction to the Town of Fairmont/USDA-HUD & CDBG-MIT project. The proposed project is for improvements to the existing Town of Fairmont WWTP. The contractor will use bypass pumping, temporary electrical service, and temporary process water pumping systems as necessary to ensure operation is not interrupted. Project includes effluent pump station improvements located at 133 Woodrow Road, Orrum, NC 28369.

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

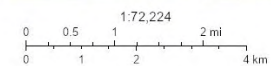
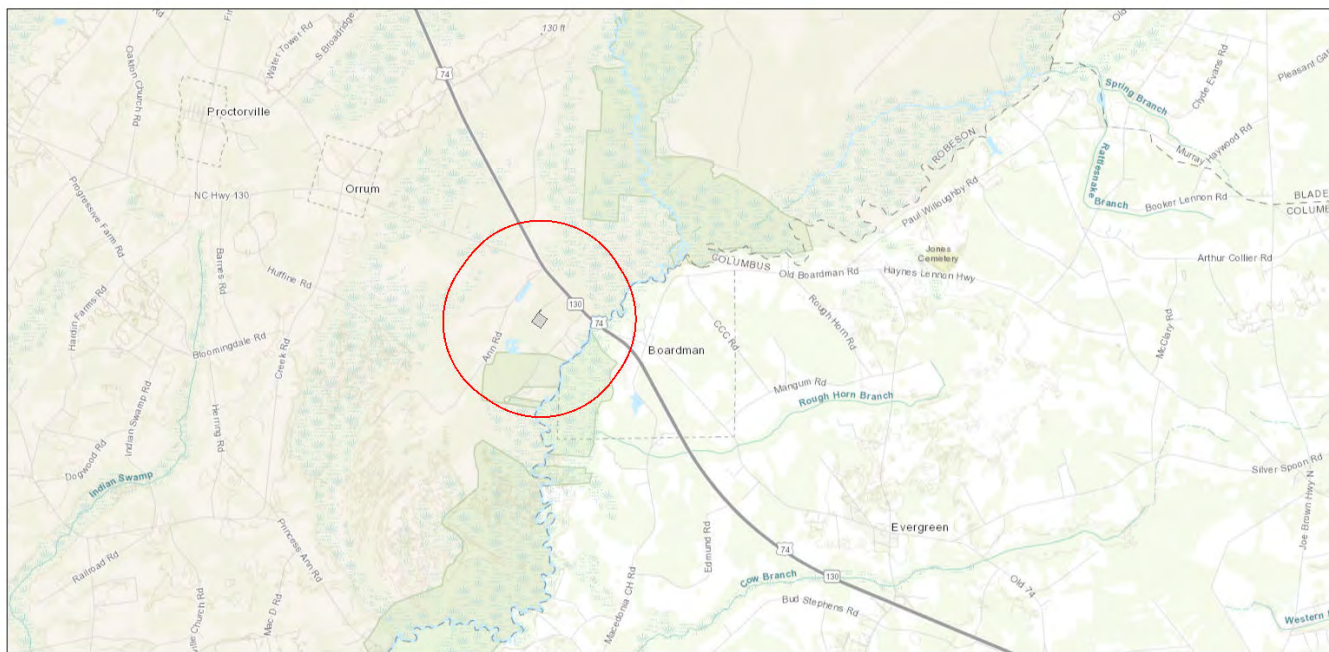
Area of Interest (AOI) Information

Robeson County

NEPA project 24-0225

Area : 2,376.98 acres

Feb 21 2024 16:02:59 Eastern Standard Time



State of North Carolina DOT, Esri, HERE, Garmin, INCREMENT P,
 USGS, METI/HASA, NGA, EPA, USDA

Superfund and Brownfield Sites
Robeson County NEPA project 24-0225

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 Review

Project Number: 24-0225

County: Robeson

Date Received: 2-19-2024

Due Date: 3-15-2024

Project Description:

Environmental Assessment -The proposed project is for improvements to the existing Town of Fairmont WWTP. The contractor will use bypass pumping, temporary electrical service, and temporary process water pumping systems as necessary to ensure operation is not interrupted. Project includes effluent pump station improvements located at 133 Woodrow Road, Orrum, NC 28369.

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: 3/14/24	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)

Department of Environmental Quality Project Review

Project Number: 24-0225

County: Robeson

Date Received: 2-19-2024

Due Date: 3-15-2024

Project Description:

Environmental Assessment -The proposed project is for improvements to the existing Town of Fairmont WWTP. The contractor will use bypass pumping, temporary electrical service, and temporary process water pumping systems as necessary to ensure operation is not interrupted. Project includes effluent pump station improvements located at 133 Woodrow Road, Orrum, NC 28369.

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: 3/15/2024	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)

Control No.: 24-E-0000-0225

Date Received: 2/19/2024

County.: ROBESON

Agency Response: 3/20/2024

Review Closed: 3/20/2024

JINTAO WEN
CLEARINGHOUSE COORDINATOR
DPS - DIV OF EMERGENCY MANAGEMENT

Project Information

Type: National Environmental Policy Act Environmental Assessment

Applicant: Town of Fairmont

Project Desc.: The proposed project is for improvements to the existing Town of Fairmont WWTP. The contractor will use bypass pumping, temporary electrical service, and temporary process water pumping systems as necessary to ensure operation is not interrupted. Project includes effluent pump station improvements located at 133 Woodrow Road, Orrum, NC 28369.

As a result of this review the following is submitted:

No Comment

Comments Below

Documents Attached

Reviewed By: JINTAO WEN

Date: 3/18/2024

Control No.: 24-E-0000-0225

Date Received: 2/19/2024

County.: ROBESON

Agency Response: 3/20/2024

Review Closed: 3/20/2024

JESSICA MOSLEY
CLEARINGHOUSE COORDINATOR
DEPT OF TRANSPORTATION

Project Information

Type: National Environmental Policy Act ironmental Assessment

Applicant: Town of Fairmont

Project Desc.: The proposed project is for improvements to the existing Town of Fairmont WWTP. The contractor will use bypass pumping, temporary electrical service, and temporary process water pumping systems as necessary to ensure operation is not interrupted. Project includes effluent pump station improvements located at 133 Woodrow Road, Orrum, NC 28369.

As a result of this review the following is submitted:

No Comment

Comments Below

Documents Attached

Reviewed By: JESSICA MOSLEY

Date: 2/21/2024




STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J.R. "JOEY" HOPKINS
SECRETARY

February 20, 2024

MEMORANDUM TO: Crystal Best
NC State Clearinghouse
Administrative Building, 5th Floor, Room #5026

FROM: Sangwoo "Marty" Sung 
Transportation Engineer
Coastal Group, Transportation Planning Division

SUBJECT: 24-E-0000-0225

These are comments from the NCDOT – Transportation Planning Division regarding North Carolina State Clearinghouse of Administration Intergovernmental Review **24-E-0000-0225**.

The NCDOT – Transportation Planning Division would like to make the applicant aware of the following 2024-2033 State Transportation Improvement Program (STIP) projects, HO-0002, HO-0002C, HO-0002D, HI-0016, and I-6011 are in proximity of the proposed project and may impact the study area:

- HO-0002: Implement Broadband, ITS and resiliency improvements (From I-40 in Asheville to I-140 in Wilmington)
- HO-0002C: Install broadband (From I-95 in Lumberton to I-140 in Wilmington)
- HO-0002D: Installation of flood gauges and flood monitoring (From Eastern end of Monroe Bypass to I-140 in Wilmington)
- HI-0016: Pavement Rehabilitation (From 1 mile East of N 41 to 0.26 miles East of Columbus County line)
- I-6011: Upgrade US 74 to Interstate standards (From NC41 near Lumberton to US 76 near Chadbourn)

2024-2033 State Transportation Improvement Program (STIP) project details can be found at:

<https://ncdot.maps.arcgis.com/home/webmap/viewer.html?webmap=cb02f4f828974670ad01bb83be91b18c>

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PLANNING DIVISION
1554 MAIL SERVICE CENTER
RALEIGH, NC 27699-1554

Telephone: (919) 707-0900
Fax: (919) 733-9794
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

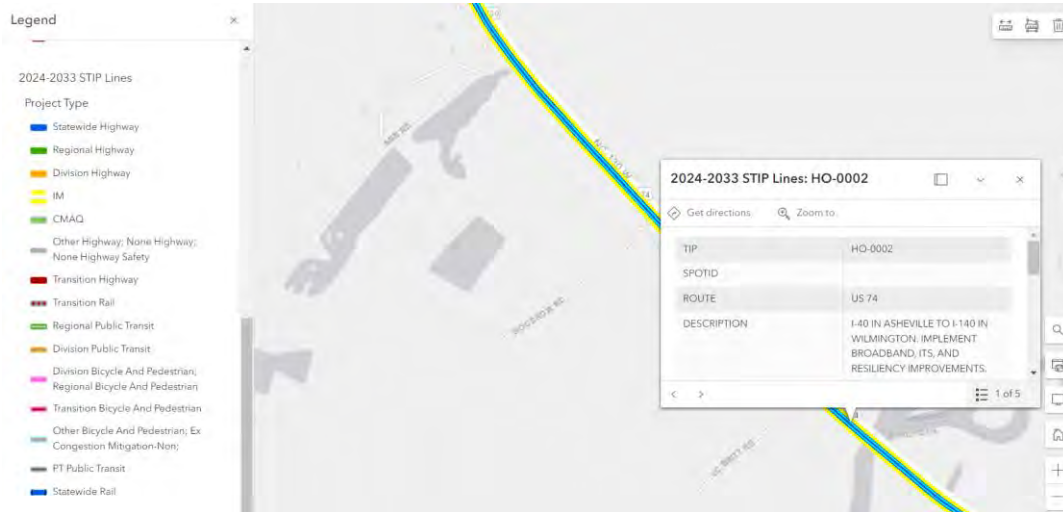
Location:
1 SOUTH WILMINGTON STREET
RALEIGH, NC 27601

Please see the attached graphics for a better view of the proposal. If you have any further questions, please do not hesitate to contact me at 919-707-0917 or email at ssung@ncdot.gov.

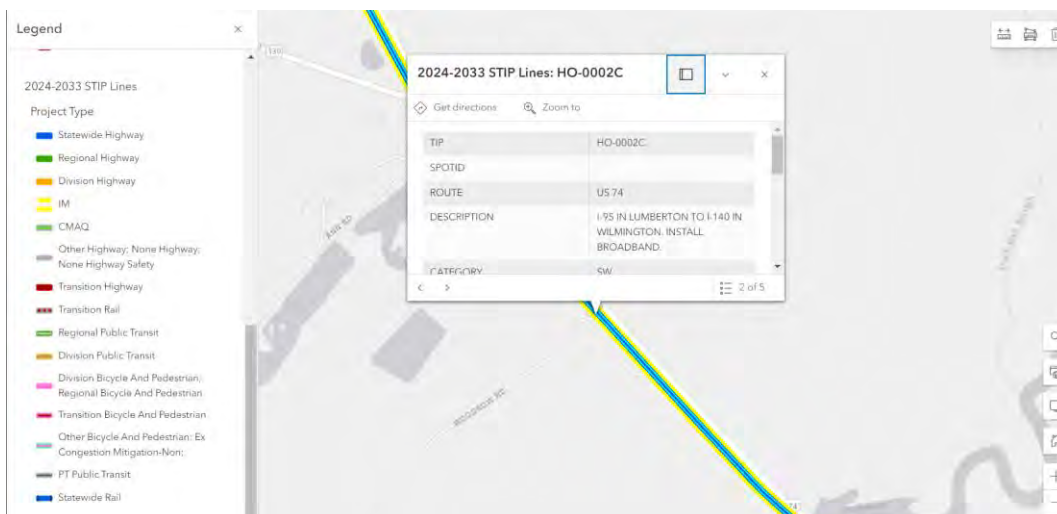
Attachments: 2024-2033 State Transportation Improvement Program (STIP) projects maps

2024-2033 State Transportation Improvement Program (STIP) projects maps

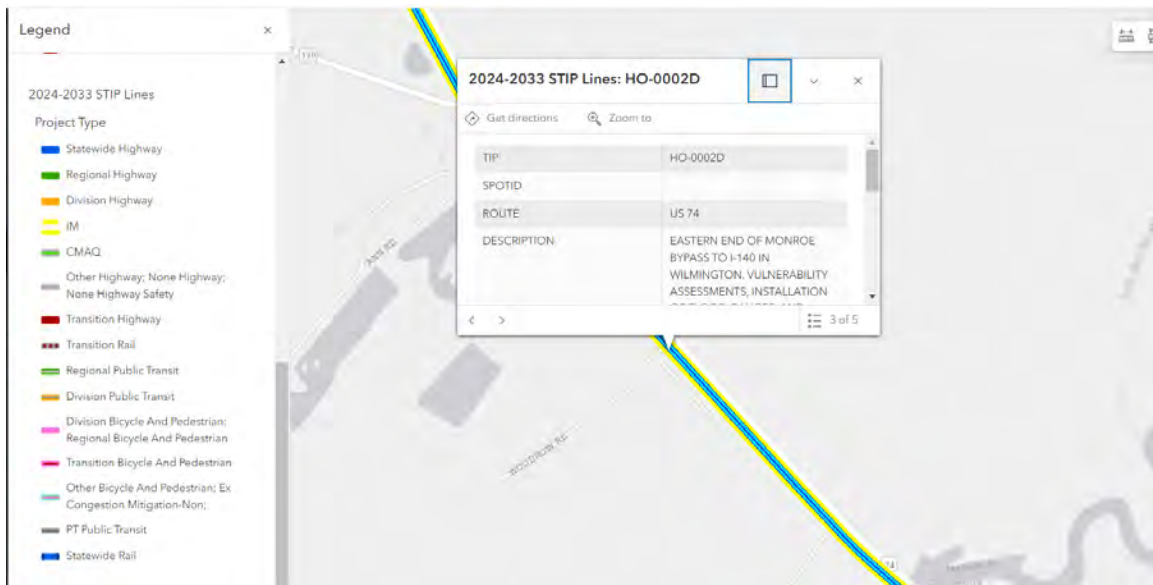
- HO-0002: Implement Broadband, ITS and resiliency improvements (From I-40 in Asheville to I-140 in Wilmington)



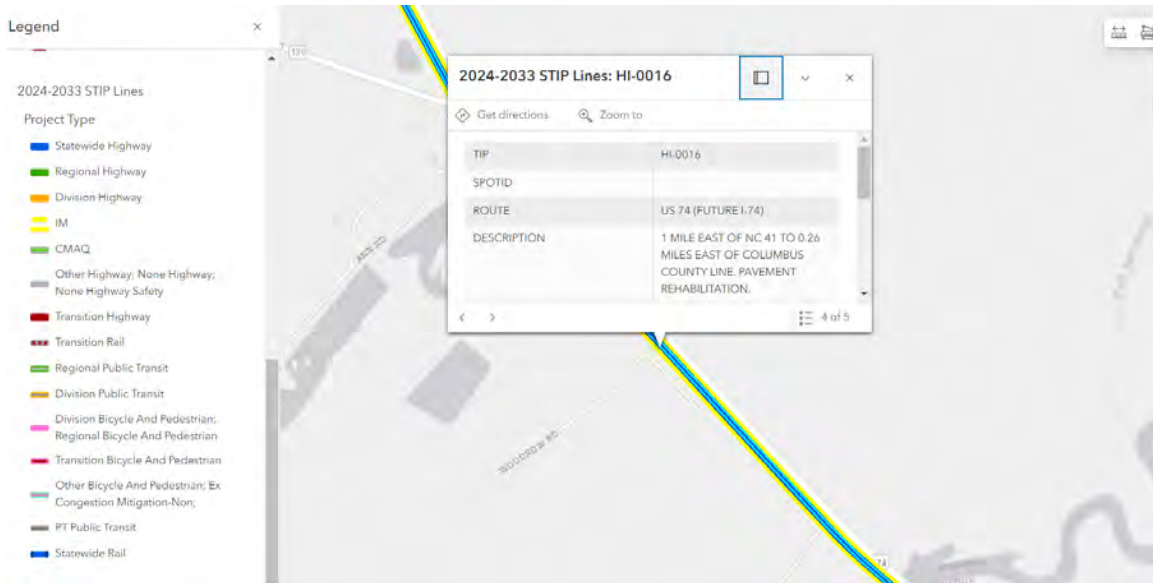
- HO-0002C: Install broadband (From I-95 in Lumberton to I-140 in Wilmington)



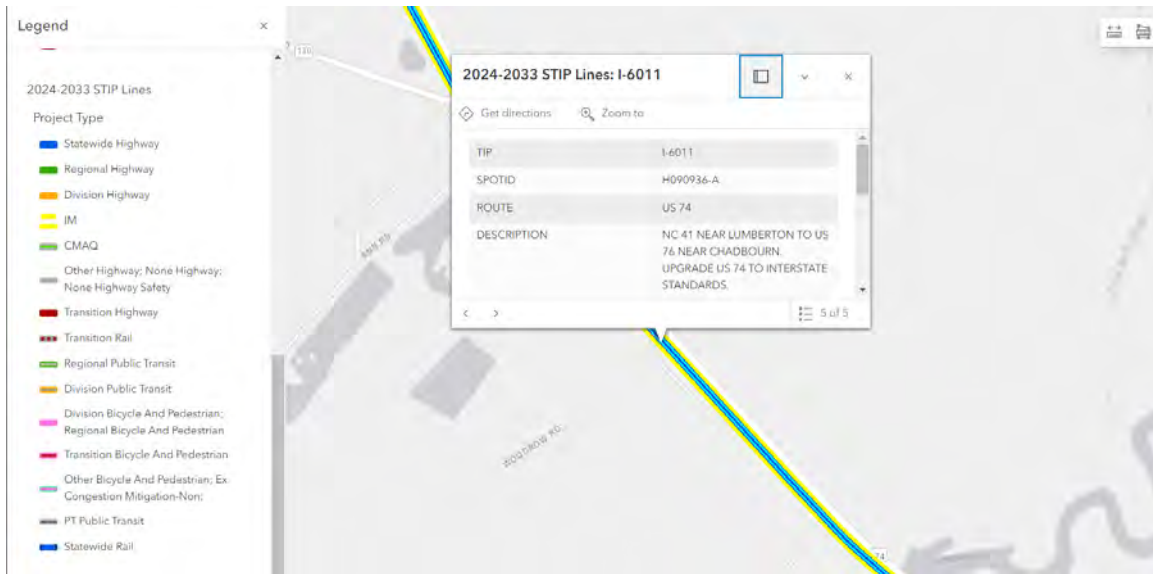
- HO-0002D: Installation of flood gauges and flood monitoring (From Eastern end of Monroe Bypass to I-140 in Wilmington)



- HI-0016: Pavement Rehabilitation (From 1 mile East of N 41 to 0.26 miles East of Columbus County line)



- I-6011: Upgrade US 74 to Interstate standards (From NC41 near Lumberton to US 76 near Chadbourn)



Control No.: 24-E-0000-0225

Date Received: 2/19/2024

County.: ROBESON

Agency Response: 3/20/2024

Review Closed: 3/20/2024

DAVID RICHARDSON
CLEARINGHOUSE COOR REGION N
LUMBER RIVER COG

Project Information

Type: National Environmental Policy Act ironmental Assessment

Applicant: Town of Fairmont

Project Desc.: The proposed project is for improvements to the existing Town of Fairmont WWTP. The contractor will use bypass pumping, temporary electrical service, and temporary process water pumping systems as necessary to ensure operation is not interrupted. Project includes effluent pump station improvements located at 133 Woodrow Road, Orrum, NC 28369.

As a result of this review the following is submitted:

No Comment

Comments Below

Documents Attached

Reviewed By: DAVID RICHARDSON

Date: 2/19/2024

SCH Comments on NOI-RROF