

LEGEND ROAD WATER TANK

EARLY NOTICE FLOODPLAIN AND WETLANDS MAPS




- **Proposed Project Location Maps, Robeson County Parcel Information, and Site Plans**
- **FEMA FIRM and Preliminary FIRM Showing Parcel Boundary, Distance from Proposed Activity's Limit of Disturbance, and Total Acreage Amounts, and NFIP Community Status Book Report**
- **USFWS National Wetlands Inventory (NWI) Maps Showing Parcel Boundary, Distance from Proposed Activity's Limit of Disturbance, and Total Acreage Amounts, and LIDAR Map from USACE**
- **USACE and NC DEQ DWR Correspondence**

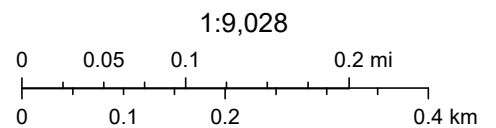
**Proposed Project Location Maps, Robeson
County Parcel Information, and Site Plans**

Legend Road Water Tank - Aerial Map



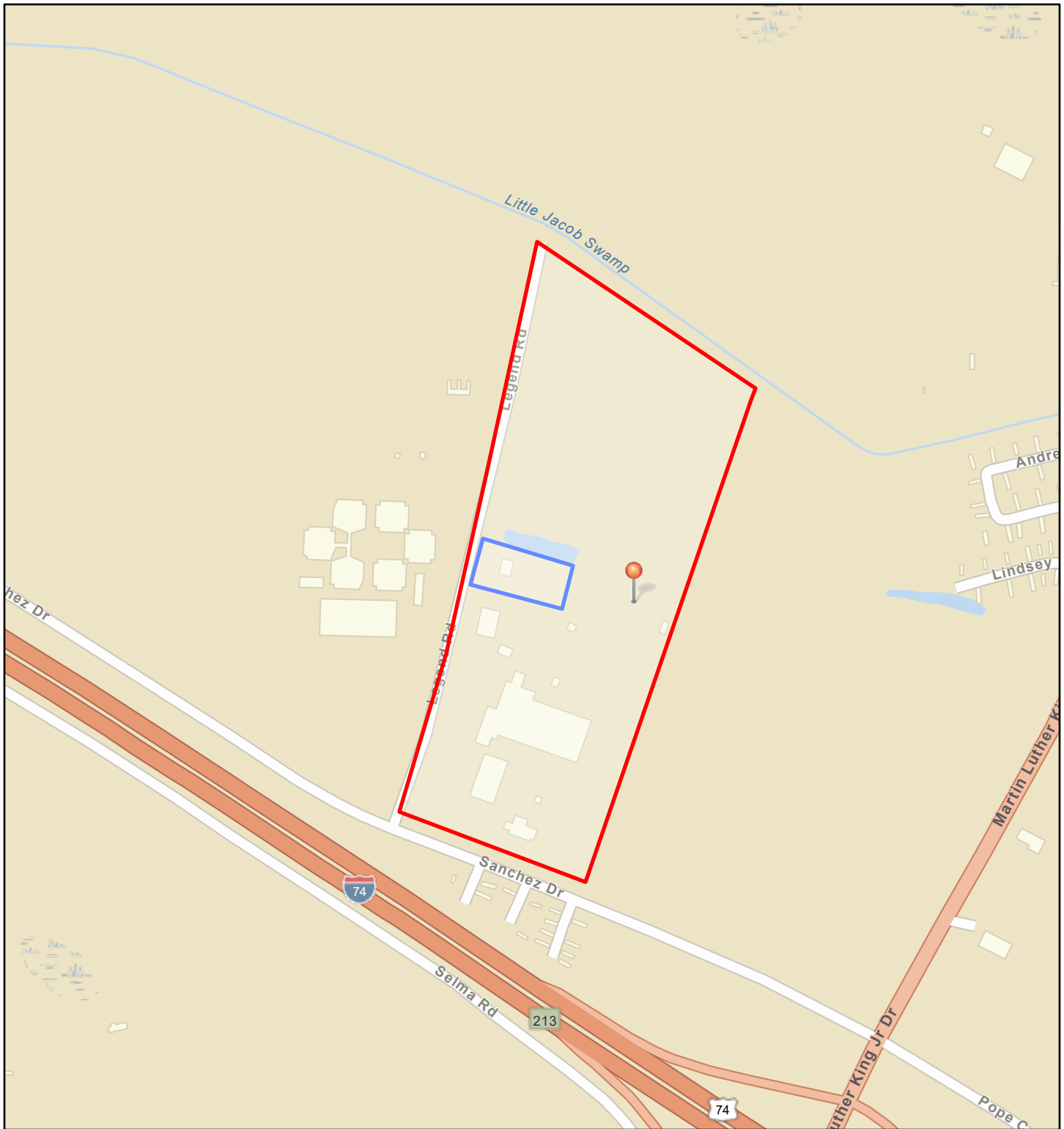
January 16, 2024

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






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

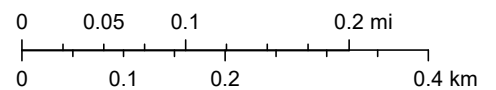
Legend Road Water Tank - Street Map



January 16, 2024

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

1:9,028




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Legend Road Water Tank - Topographic Map

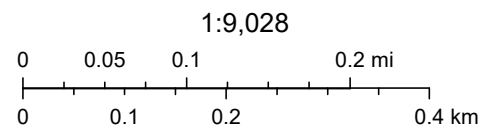


January 16, 2024

 Legend Road Water Tank

 Proposed Water Tank

 Excluded Parcel





Robeson County
Ambulance Service

N.C.
Dept of
Corrections

Proposed 12'
Water Main

R.C.
Public
Utilities

Proposed Elevated
Tank

Existing
Well
Treatment

R.C.
Sheriffs
Office

R.C. Jail

Robeson County
Emergency
Operations

R.C.
Water
Dept.

1 inch = 200 feet



Legend Road Water Tank – Action Area



Legend Road Water Tank – Google Earth





Robeson County Government

PROPERTY REPORT - PRINT

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

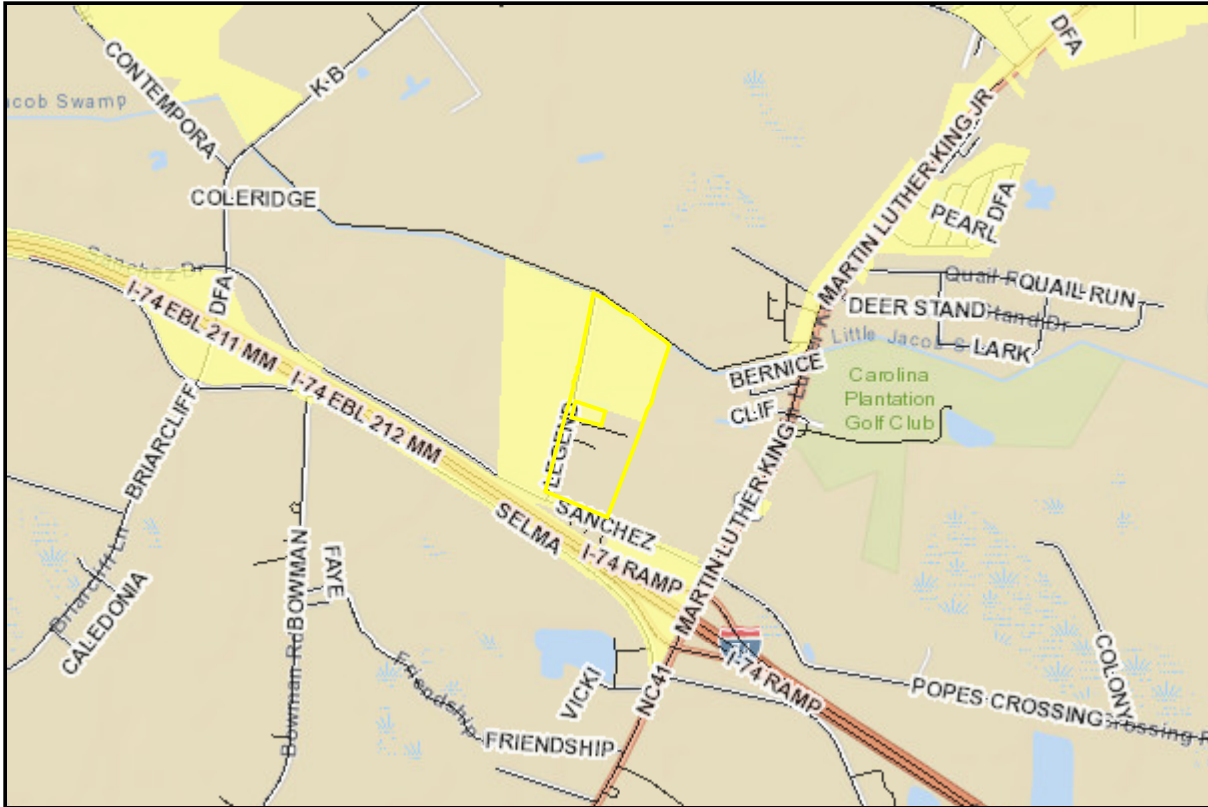
Administrative Data	Administrative Data	Valuation Information
Parcel Ref No. 02090100501 PIN Account No. 46904033 Tax District TOWN LUMBERTON Land Use Code E-12 Land Use Desc COUNTY PROPERTY W/ASSESTS Subdiv Code Subdiv Desc Neighborhood 32C30	Legal Desc AC N/S SR 2316 JAIL SITE Deed Bk/Pg / Plat Bk/Pg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

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

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

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

County of Robeson, NC



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

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

RECTYPE	null
SALEAMT	null
SALEINST	null
DEEDSTMP	null

ROBESON COUNTY COUNTY-WIDE WATER SYSTEM

Legend Road 0.500 MG Elevated Tank

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

COMMISSIONERS

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

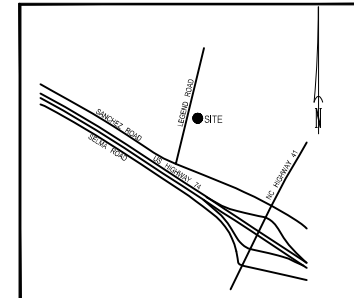
TAMMY FREEMAN, CLERK TO THE BOARD
MYRON NEVILLE, PUBLIC UTILITIES DIRECTOR

Table of Contents

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



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



VICINITY MAP



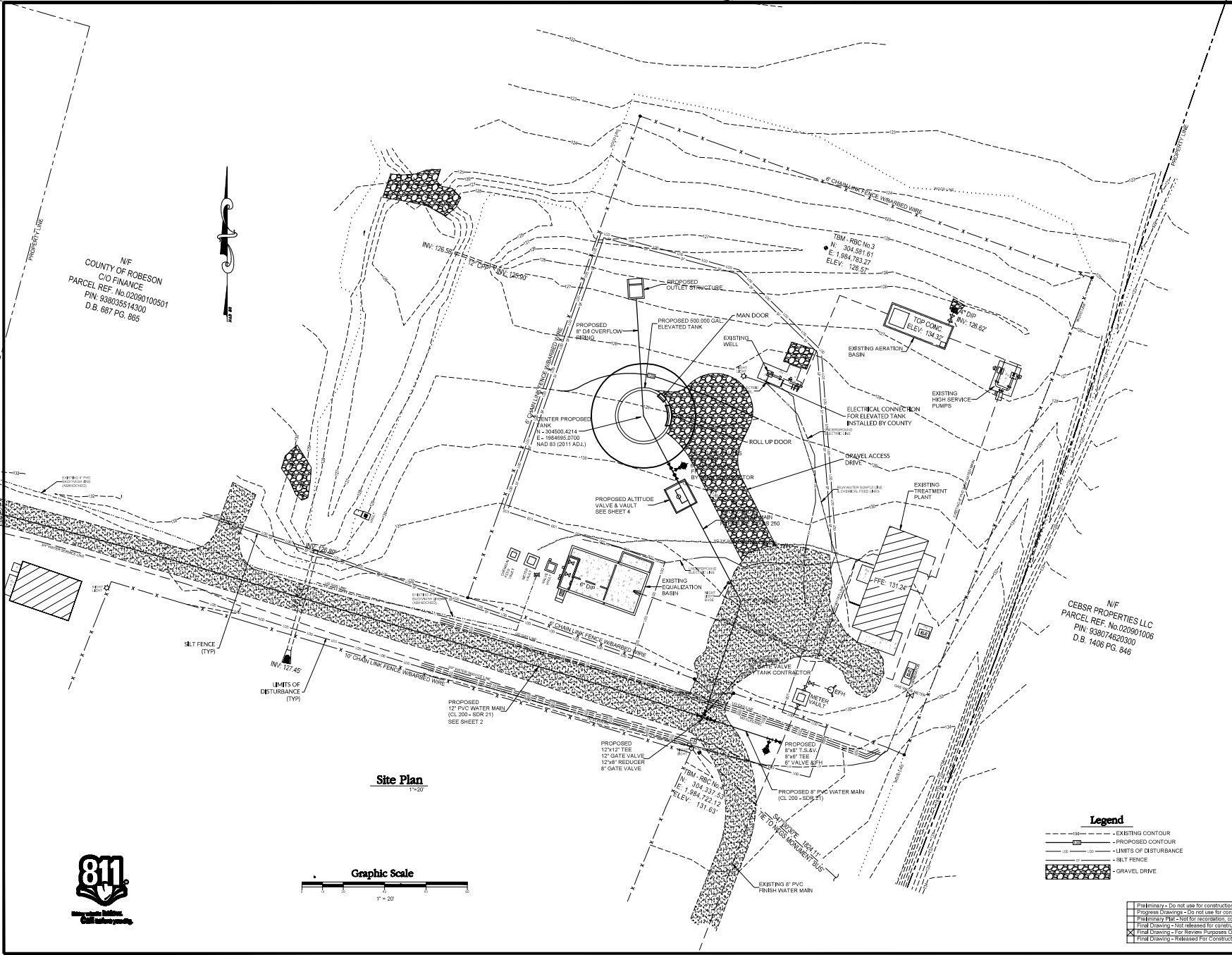
10/12/2021

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

WithersRavenel · Engineers · Planners · Surveyors



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



NF
COUNTY OF ROBESON
C/O FINANCE
PARCEL REF. No. 02090100501
PIN: 938035514300
D.B. 687 PG. 865

NF
CEBSR PROPERTIES LLC
PARCEL REF. No. 020901006
PIN: 938074620300
D.B. 1406 PG. 846

Site Plan
1"=20'



Legend

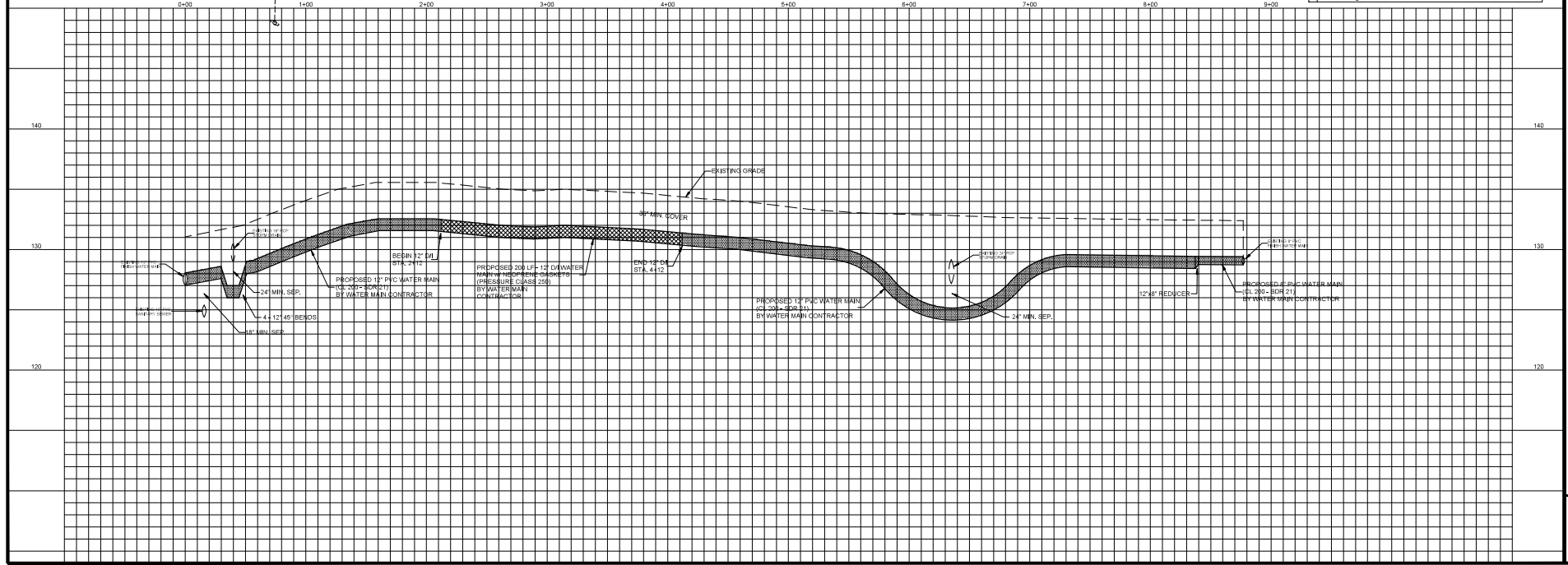
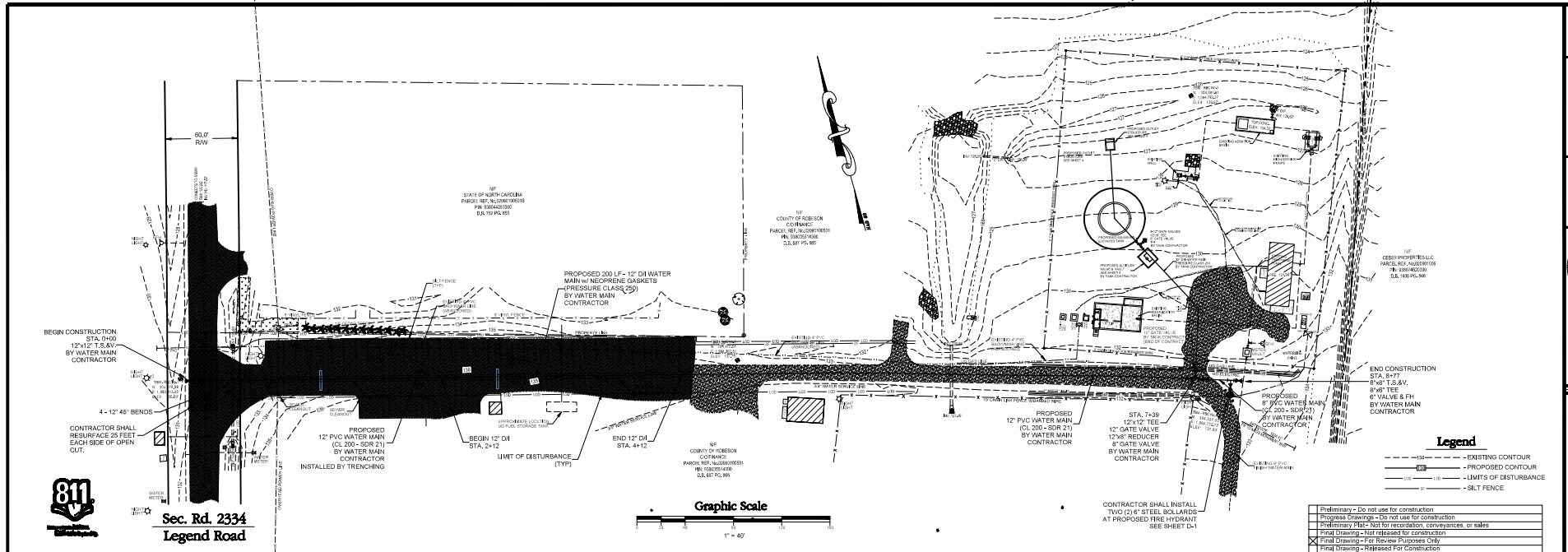
	EXISTING CONTOUR
	PROPOSED CONTOUR
	LIMITS OF DISTURBANCE
	SILT FENCE
	GRAVEL DRIVE

	Placeholder - Do not use for construction
	Progress Drawings - Do not use for construction
	Final Drawing - Not for recreation, conveyances, or sales
	Final Drawing - Not released for construction
	Final Drawing - For Review Purposes Only
	Final Drawing - Released For Construction

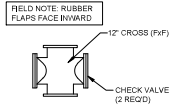


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 208 EAST 5th STREET • LUMBERTON, N.C. 28886 • PHONE: 910-339-9376 • FAX: 910-339-9378 • LIC. NO. F-4479 • EMAIL: info@wrsurvey.com
ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK - SITE PLAN

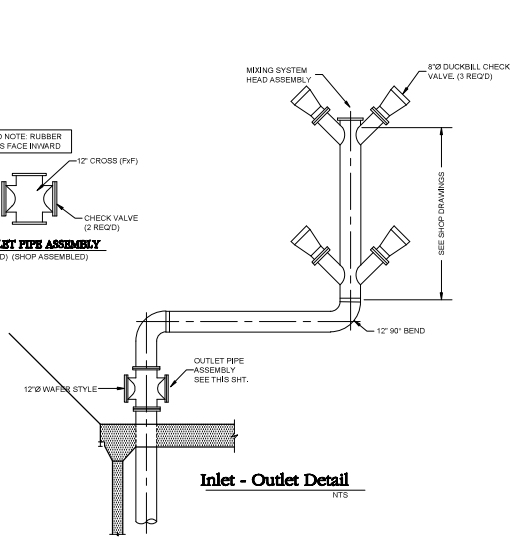
SHEET NO. **1**
 OF 4



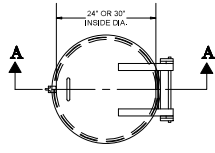
WITHERSRAVENEL • ENGINEERS • PLANNERS • SURVEYORS 208 EAST 5th STREET • LUMBERTON, N.C. 28886 • PHONE: 910-739-9376 • FAX: 910-739-9378 • LIC. NO.: F-4479 • EMAIL: info@wrsurvey.com
ROBESON COUNTY COUNTY-WIDE WATER SYSTEM LEGEND ROAD TANK SITE - PROPOSED WATER MAIN
SHEET NO. 2 OF 4



OUTLET PIPE ASSEMBLY
(1 REGD) (SHOP ASSEMBLED)

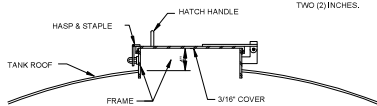


Inlet - Outlet Detail
NTS



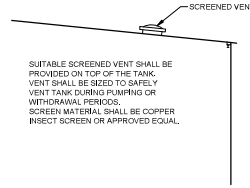
PLAN

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

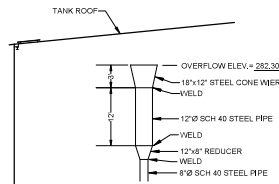


Section A-A

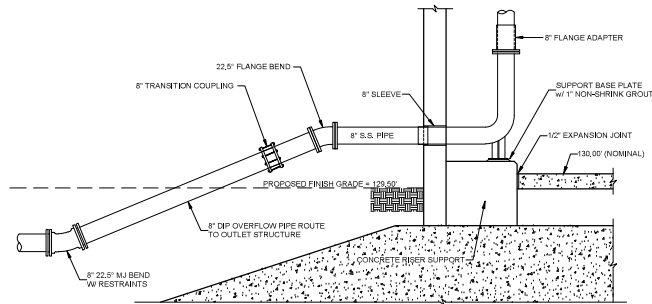
24"Ø or 30"Ø Roof Hatch
NTS



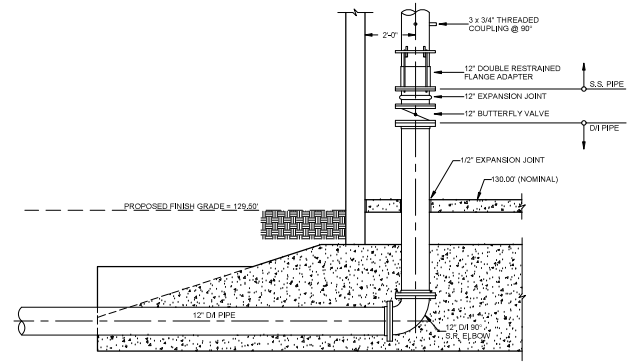
Screened Vent Detail
NTS



Overflow Inlet
NTS

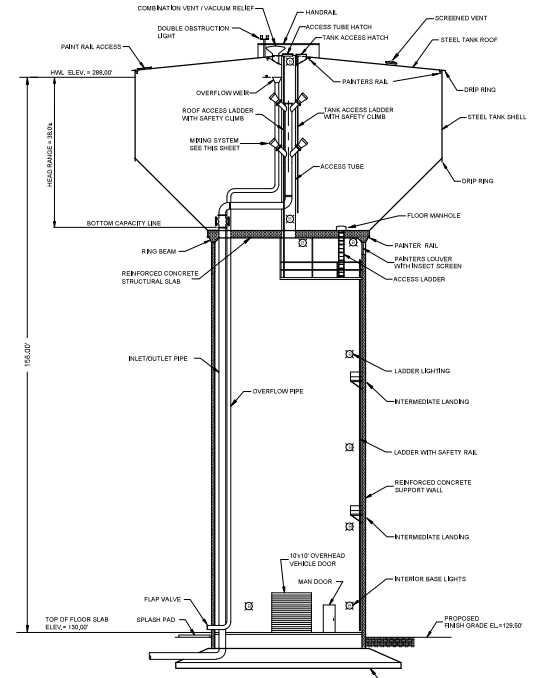


8" Overflow Outlet
NTS



12" Inlet/Outlet Detail
NTS

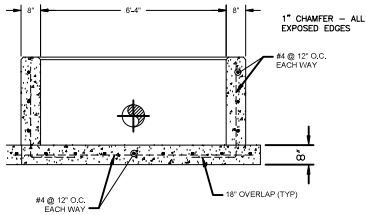
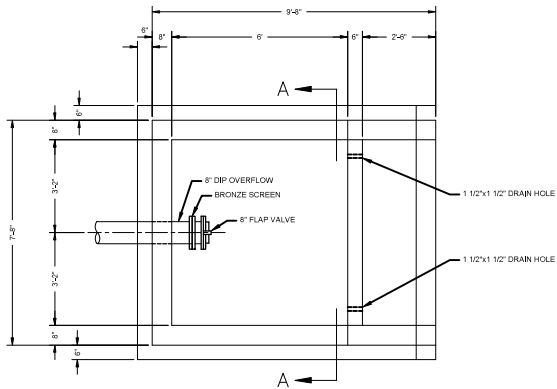
- NOTES:
- TANK CONTRACTOR TO MOUNT DOUBLE OBSTRUCTION LIGHTS ON TOP OF TANK. SEE SPECIFICATIONS FOR DETAILS.
 - TANK CONTRACTOR SHALL INSTALL CONDUIT, LIGHTS, & ELECTRICAL SERVICE PER SPECIFICATIONS & SPECIAL PROVISIONS.
 - ALL CHLORINATED WATER USED FOR ELEVATED TANK DISINFECTION SHALL BE DISCHARGED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



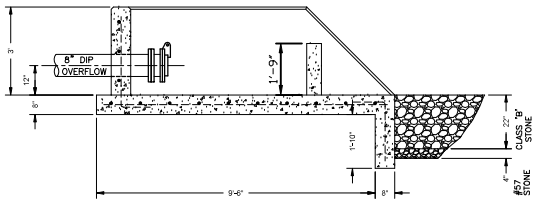
Composite Tank Elevation
NTS

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

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

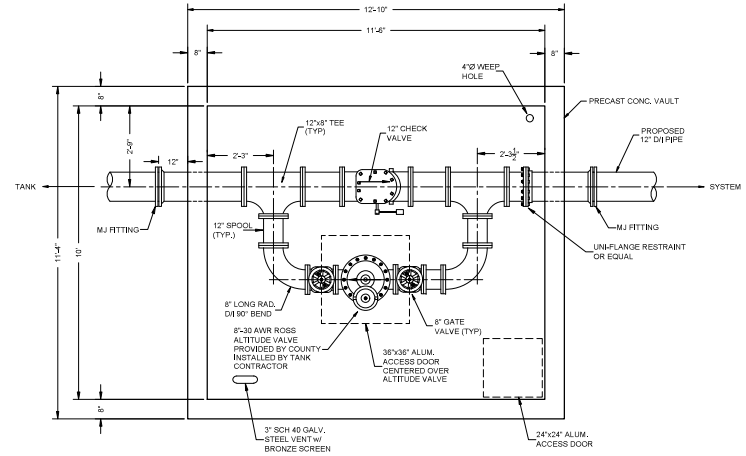


- NOTE:
 1. 8" OVERFLOW FLAP VALVES SHALL HAVE #4 STAINLESS STEEL SCREENS BETWEEN PIPES AND VALVE.
 2. CONCRETE SHALL BE 4000 PSI COMP. STRENGTH AT 28 DAYS.



OUTLET STRUCTURE DETAIL

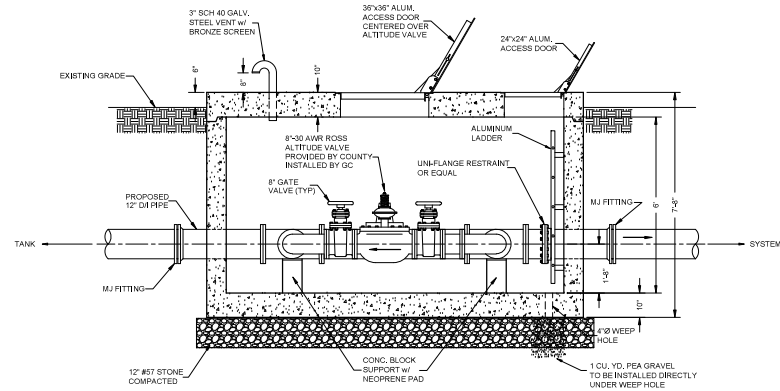
NTS



Plan View

1/2" = 1'-0"

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



Profile View

1/2" = 1'-0"

ALTITUDE VALVE AND VAULT DETAIL

NTS

<input type="checkbox"/>	Preliminary - Do not use for construction
<input type="checkbox"/>	Progress Drawings - Do not use for construction
<input type="checkbox"/>	Preliminary Plan - Not for recordation, conveyances, or sales
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SHEET NO.

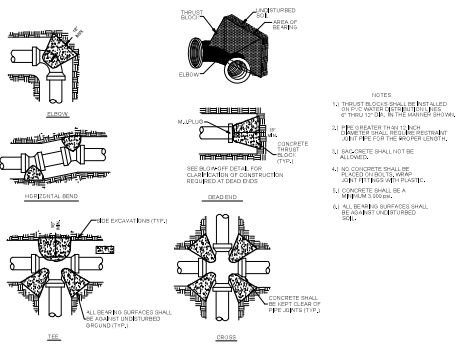
4

OF 4

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ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
LEGEND ROAD TANK - ALTITUDE VALVE AND VAULT

REVISIONS PER DATE
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 DATE: JAN 2023
 FILE NO.: [Number]
 PROJECT NO.: [Number]

10/12/2023

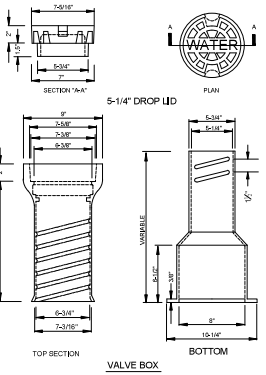


CONCRETE THRUST BLOCK DETAIL
NTS

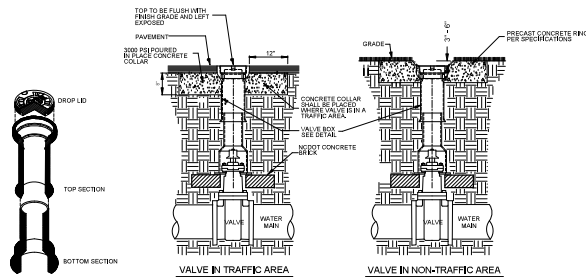
THRUST BLOCKING SCHEDULE					
PIPE DIA. (IN)	MIN. CONCRETE AREA (SQ. FT.)	MIN. CONCRETE VOLUME (CU. YD.)	MIN. CONCRETE AREA (SQ. FT.)	MIN. CONCRETE VOLUME (CU. YD.)	MIN. CONCRETE AREA (SQ. FT.)
12	1.50	0.10	1.50	0.10	1.50
14	2.00	0.15	2.00	0.15	2.00
16	2.50	0.20	2.50	0.20	2.50
18	3.00	0.25	3.00	0.25	3.00
20	3.50	0.30	3.50	0.30	3.50
22	4.00	0.35	4.00	0.35	4.00
24	4.50	0.40	4.50	0.40	4.50
26	5.00	0.45	5.00	0.45	5.00
28	5.50	0.50	5.50	0.50	5.50
30	6.00	0.55	6.00	0.55	6.00
32	6.50	0.60	6.50	0.60	6.50
34	7.00	0.65	7.00	0.65	7.00
36	7.50	0.70	7.50	0.70	7.50
38	8.00	0.75	8.00	0.75	8.00
40	8.50	0.80	8.50	0.80	8.50
42	9.00	0.85	9.00	0.85	9.00
44	9.50	0.90	9.50	0.90	9.50
46	10.00	0.95	10.00	0.95	10.00
48	10.50	1.00	10.50	1.00	10.50
50	11.00	1.05	11.00	1.05	11.00
52	11.50	1.10	11.50	1.10	11.50
54	12.00	1.15	12.00	1.15	12.00
56	12.50	1.20	12.50	1.20	12.50
58	13.00	1.25	13.00	1.25	13.00
60	13.50	1.30	13.50	1.30	13.50
62	14.00	1.35	14.00	1.35	14.00
64	14.50	1.40	14.50	1.40	14.50
66	15.00	1.45	15.00	1.45	15.00
68	15.50	1.50	15.50	1.50	15.50
70	16.00	1.55	16.00	1.55	16.00
72	16.50	1.60	16.50	1.60	16.50
74	17.00	1.65	17.00	1.65	17.00
76	17.50	1.70	17.50	1.70	17.50
78	18.00	1.75	18.00	1.75	18.00
80	18.50	1.80	18.50	1.80	18.50
82	19.00	1.85	19.00	1.85	19.00
84	19.50	1.90	19.50	1.90	19.50
86	20.00	1.95	20.00	1.95	20.00
88	20.50	2.00	20.50	2.00	20.50
90	21.00	2.05	21.00	2.05	21.00
92	21.50	2.10	21.50	2.10	21.50
94	22.00	2.15	22.00	2.15	22.00
96	22.50	2.20	22.50	2.20	22.50
98	23.00	2.25	23.00	2.25	23.00
100	23.50	2.30	23.50	2.30	23.50

NOTE: Values are based on a maximum of 150 psi concrete strength and 2000 psi soil bearing capacity. 2000 psi soil bearing capacity may vary from site to site and will require contractor's testing and approval.

NOTE: Thrust blocking shown above is based on the use of rebar. Reinforcing steel may be substituted for rebar.

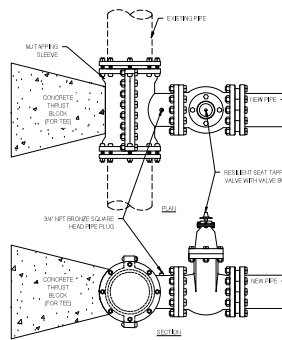


Valve Box Detail
NTS



Open Cut & Patch Detail
NTS

Tapping Sleeve & Valve
NTS

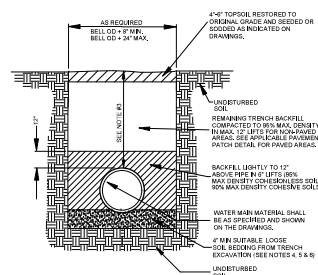


1. SLEEVE BODY SHALL BE CAST IN PLACE CONCRETE.
2. THE MINOR FLANGE TO THE TAPPING SLEEVE MUST HAVE A RAISED FLANGE FACED TOWARD THE PROPER ALIGNMENT OF THE JOINT AT THE TAPPING POINT.
3. THE SLEEVE SHALL INCLUDE A FULL CIRCUMFERENTIAL GASKET PROVIDING A 90° SEAL AROUND THE TAPPING POINT.
4. ALL VALVES SHALL HAVE A 2" SQUARE OPERATING HANDLE WITH A 1/2" DIA. OPERATING PIN.
5. VALVE BODY GASKET & GATE SHALL BE IN ACCORDANCE WITH AWWA C900 AND C905.
6. VALVE BODY & GASKET SHALL BE COATED WITH AN EPOXY & FIBER GLASS SURFACE WITH A MINIMUM THICKNESS OF 1/8" IN ACCORDANCE WITH AWWA C900.
7. ALL VALVES OF 2" OR SMALLER SHALL HAVE A SAFE WORKING PRESSURE OF 50 PSI.
8. PIPE SURFACES SHALL BE CLEANED THOROUGHLY TO PERMIT FOR A GOOD SEAL WITH THE INSTALLATION.
9. EXTERIOR OF TAPPING SLEEVE SHALL BE COATED WITH 3 COATS OF ASPHALT/FLY ASH MIXTURE.
10. EDGE OF SLEEVE SHALL BE LOCATED A MINIMUM OF 8" FROM THE EXISTING JOINT.

GENERAL NOTES

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

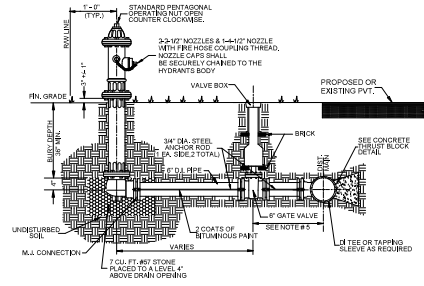
WATER MAIN BEDDING DETAIL
NTS



1. ALL EXCAVATIONS SHALL COMPLY WITH THE TERMS AND CONDITIONS OF THE CONSTRUCTION STANDARDS FOR EXCAVATING IN ORDER SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION. CHAPTER 2001 OF THE CODE BOOK 100. THE CONTRACTOR SHALL HAVE A COMPETENT PERSON ON SITE AT ALL TIMES DURING EXCAVATION AND BACKFILLING.
2. CONTRACTOR SHALL USE TRENCH BOX SHORING IN ALL OPEN EXCAVATIONS EXCEPT TRENCHES WHICH SHALL BE EMPOWERED AT THE MINIMUM PRACTICAL WIDTH.
3. SEE PLANS FOR MINIMUM COVER.
4. LOOSE SOIL OR SELECT MATERIAL IS DEFINED AS: SOIL THAT IS EXCAVATED FROM THE TRENCH, FREE OF ROCKS, FOREIGN MATERIAL, AND FOREIGN DEBRIS.
5. BEDDING MATERIAL SHALL EXTEND TO UNDISTURBED TRENCH WALLS AND TRENCH BOTTOM. BEDDING MATERIAL SHALL NOT BE PAID FOR UNLESS SPECIFICALLY APPROVED BY THE PROJECT REPRESENTATIVE AND ONLY FOR THE AUTHORIZED QUANTITY.
6. WHERE NATIVE SOIL IS DETERMINED TO BE ADEQUATE BY THE ENGINEER, NO EXCAVATION BELOW THE BOTTOM OF BEDDING REQUIRED.
7. BEDDING MATERIAL SHALL BE PROPERLY MOISTENED AND COMPACTED AROUND THE PIPE MANHOLES.
8. TEST FOR DENSITY OF CONSTRUCTION SHALL BE MADE AT THE OPTION OF THE ENGINEER AND THE RESULTS SHALL BE CORRECTED BY THE CONTRACTOR TO THE MINIMUM COST TO THE OWNER. THE ENGINEER MAY HAVE CONSTRUCTION TEST PERFORMED AT THE MANHOLE. TO COMPLETE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE TO VARIOUS DEPTHS FOR DENSITY TESTING EXCAVATION, BACKFILL AND RECOMPACT SHALL BE PERFORMED AT NO ADDITIONAL COSTS TO THE OWNER.

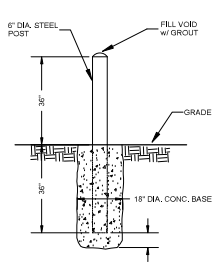
NOTES

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



HYDRANT DETAIL
NTS

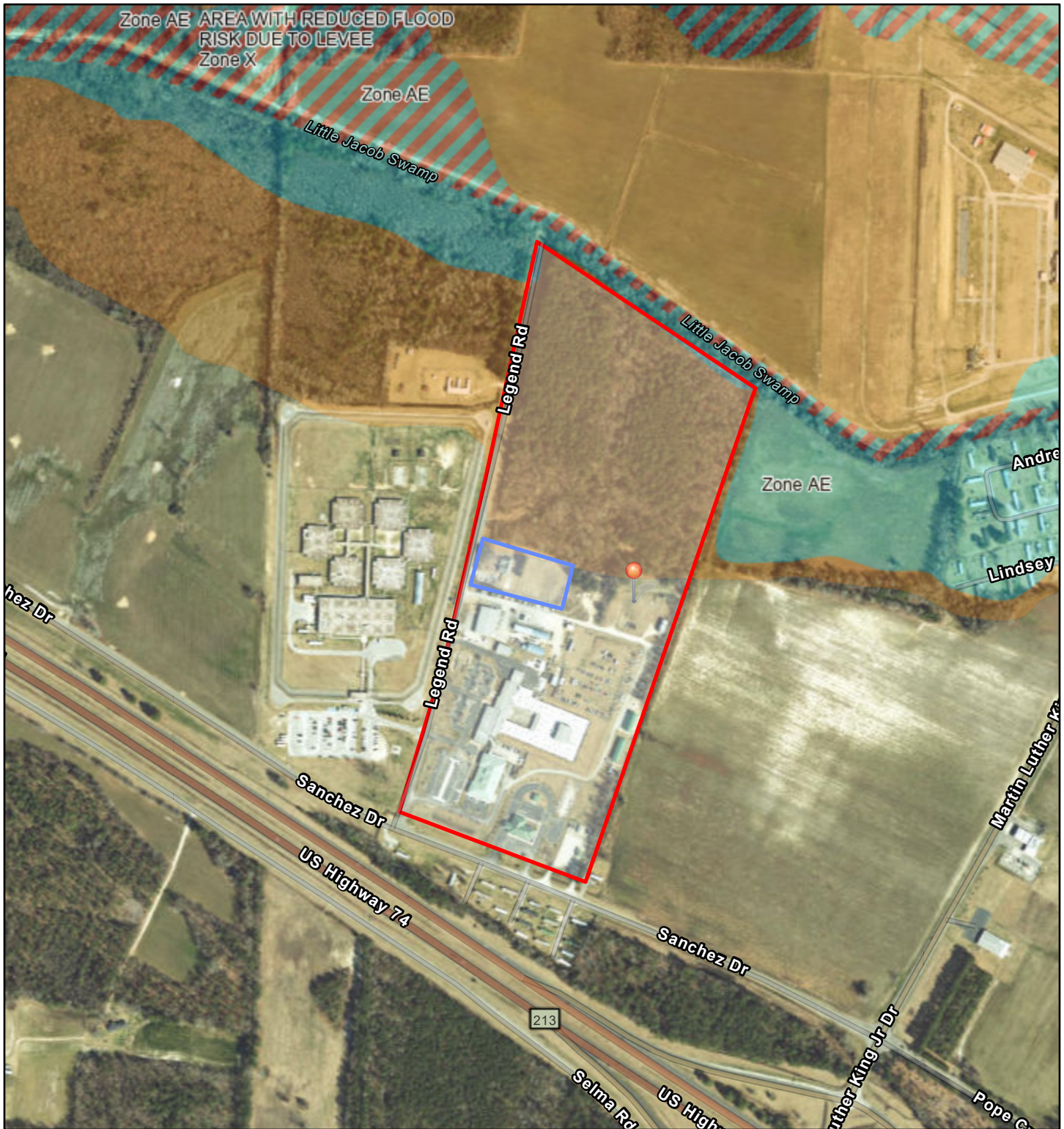
Bollard Detail
NTS



WITHERSRAVENEL ENGINEERS PLANNERS SURVEYORS
 208 EAST 5th STREET • LUMBERTON, N.C. 28886 • PHONE: 910-339-9016 • FAX: 910-339-9016 • LIC. NO. F-4719 • E-MAIL: WEng@wrsurvey.com
 ROBESON COUNTY COUNTY-WIDE WATER SYSTEM
 LEGEND ROAD TANK - DETAILS
 SHEET NO. **D-1**
 OF










**FEMA FIRM and Preliminary FIRM
Showing Parcel Boundary, Distance from
Proposed Activity's Limit of
Disturbance, and Total Acreage
Amounts, and NFIP Community Status
Book Report**

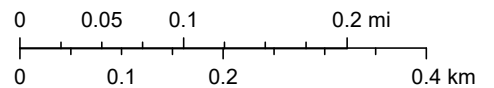
Legend Road Water Tank - FEMA FIRM



January 16, 2024

1:9,028

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



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National Flood Hazard Layer FIRMMette



79°3'25"W 34°35'29"N



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

79°2'48"W 34°35'N

Basemap Imagery Source: USGS National Map 2023

Legend

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

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

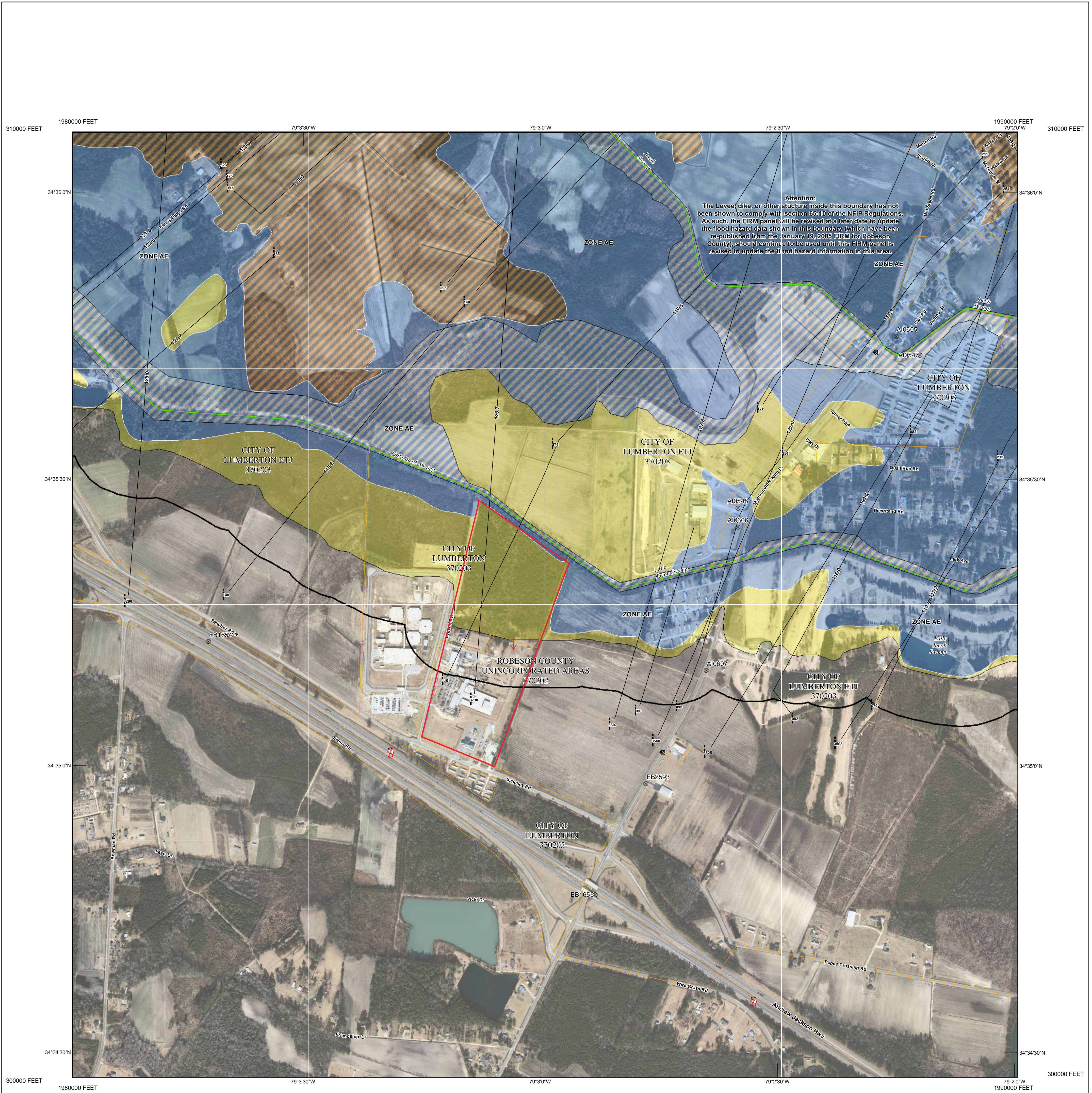


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

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

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



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



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

FLOOD HAZARD INFORMATION

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

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

NOTES TO USERS

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

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

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

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

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

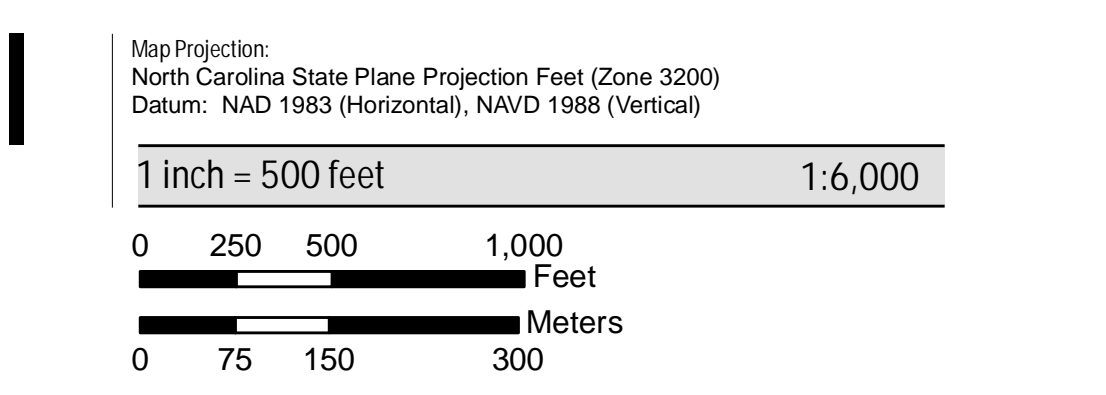
ACCREDITED LEEVE NOTES TO USERS: If an accredited levee note appears on this panel check with your local community to obtain more information, such as the estimated level of protection provided (which may exceed the 1-percent-annual-chance level) and Emergency Action Plan, on the levee system(s) shown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

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

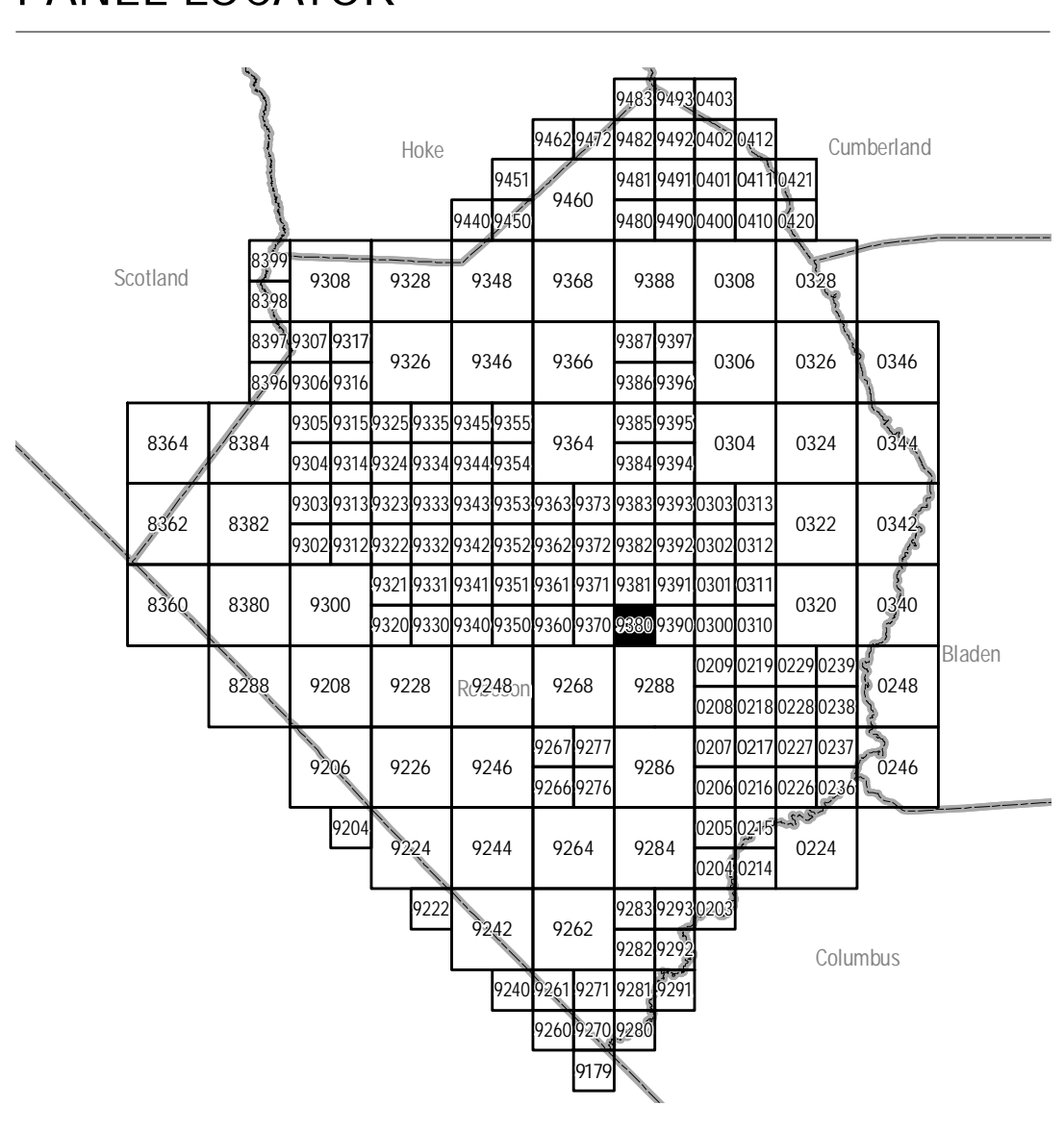
LIMIT OF MODERATE WAVE ACTION NOTES TO USERS: For some coastal flooding zones the AE Zone category has been divided by a Limit of Moderate Wave Action (LMWA). The LMWA represents the approximate landward limit of the 1.5-foot breaking wave. The effects of wave hazards between the VE Zone and the LMWA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

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

SCALE



PANEL LOCATOR



National Flood Insurance Program

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

NORTH CAROLINA

PANEL 9380

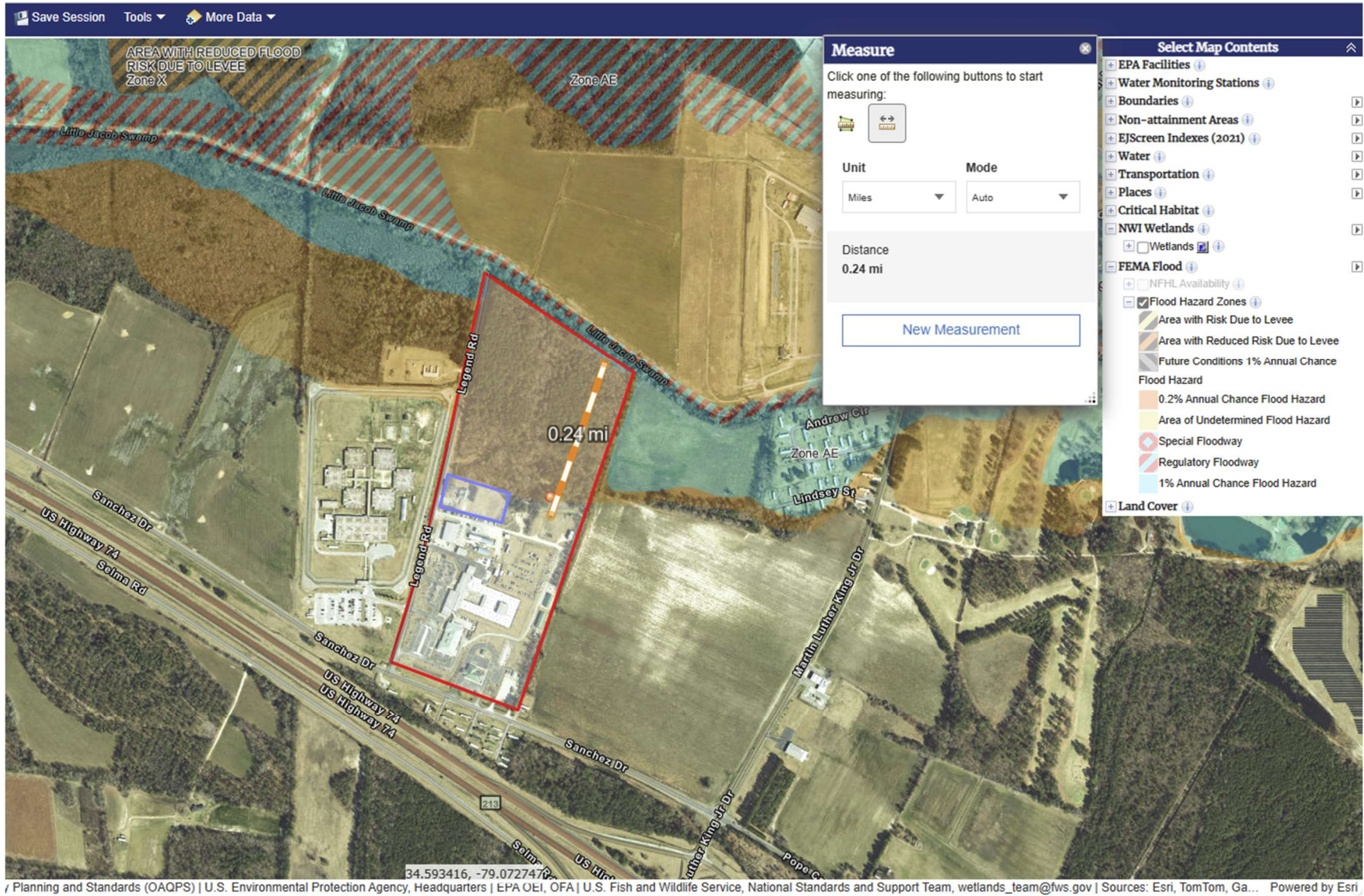
Panel Contains:

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

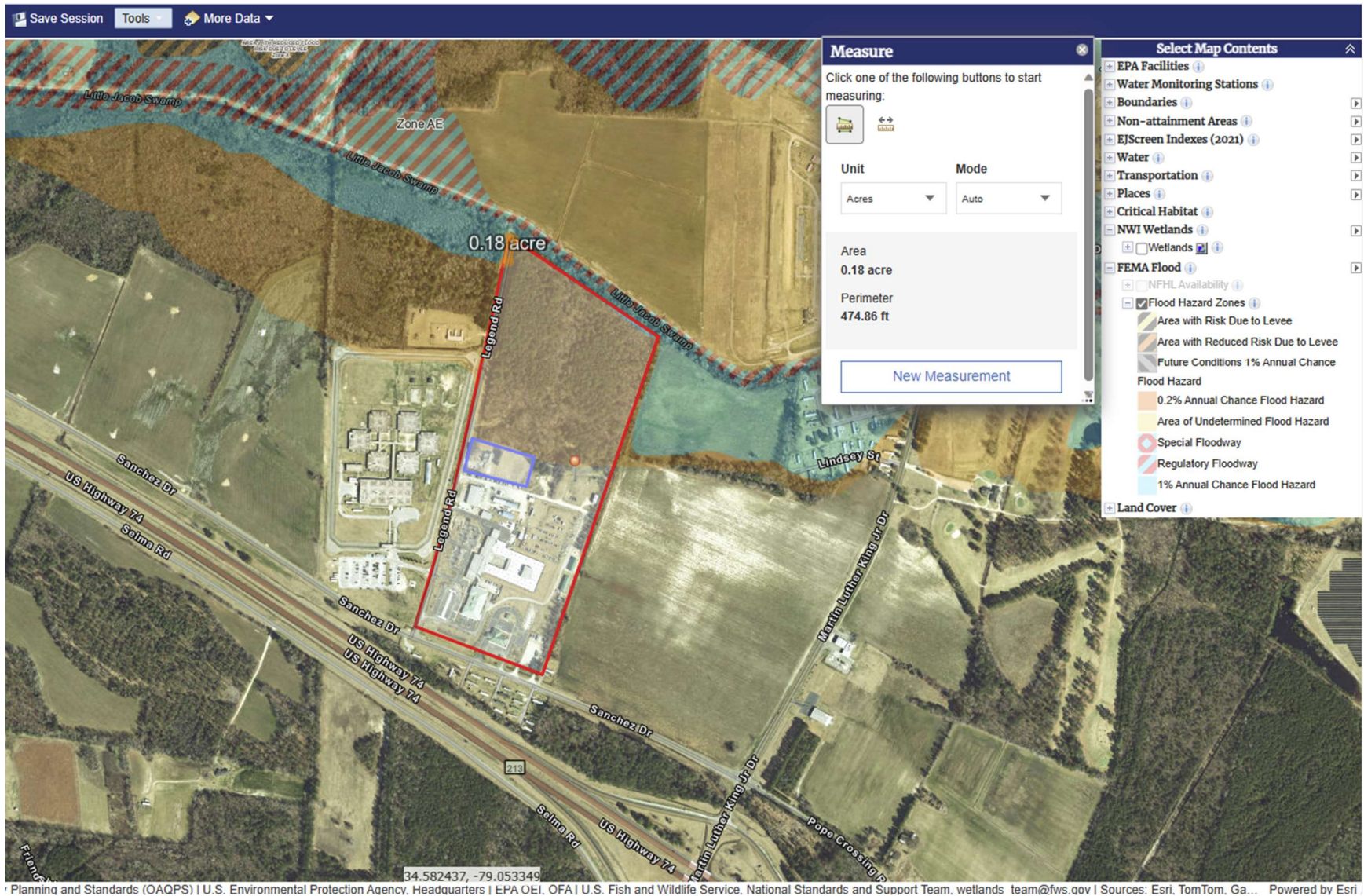
PRELIMINARY
08/29/2014

MAP NUMBER
3710938000K

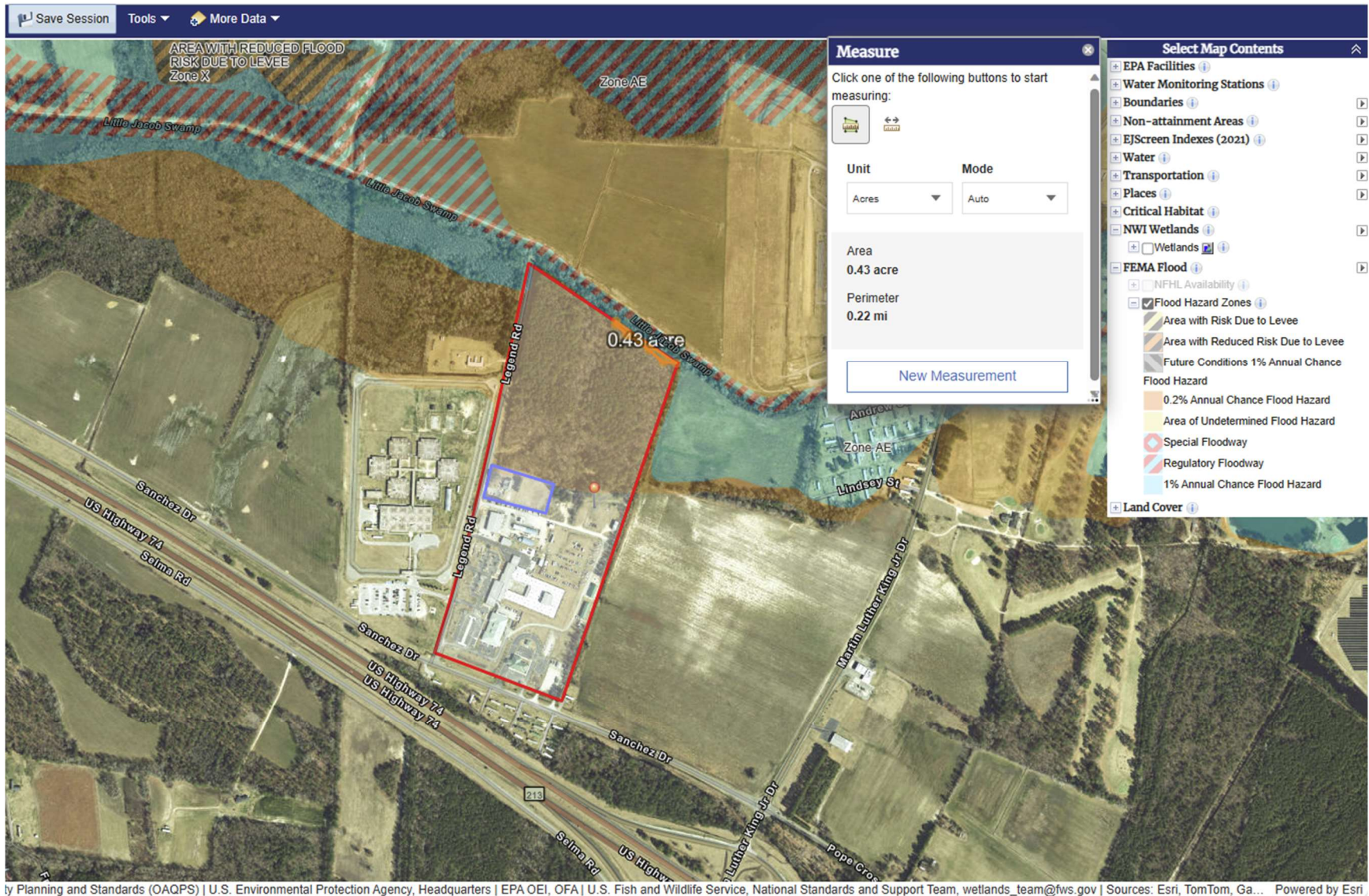
Legend Road Water Tank – Distance to Zone AE



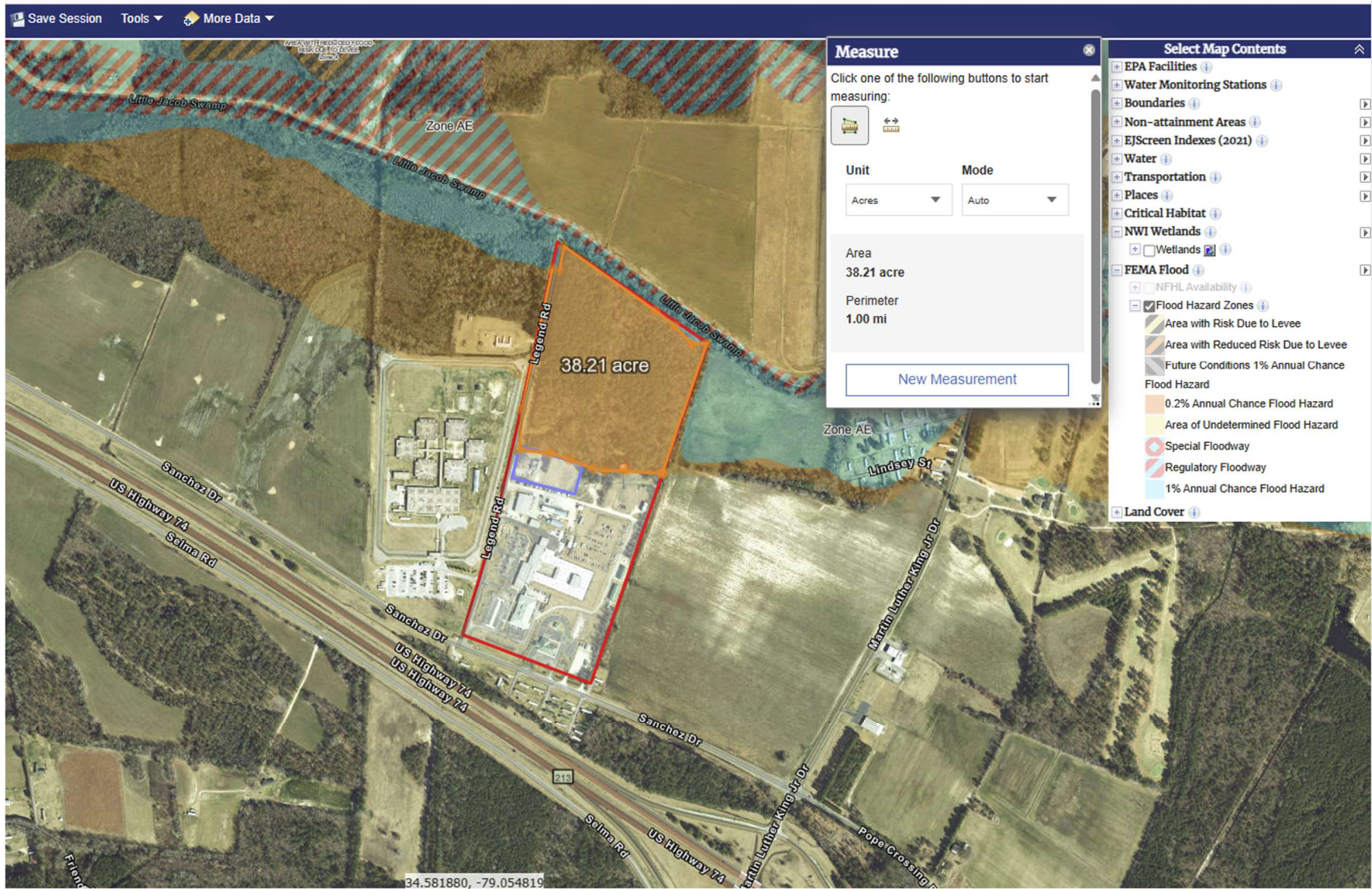
Legend Road Water Tank – 00-Year Floodplain (0.18 Acre)



Legend Road Water Tank – 00-Year Floodplain (0.43 Acre)



Legend Road Water Tank – 500-Year Floodplain (38.21 Acres)





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












**USFWS National Wetlands Inventory
(NWI) Maps Showing Parcel Boundary,
Distance from Proposed Activity's Limit
of Disturbance, and Total Acreage
Amounts, and LIDAR Map from
USACE**

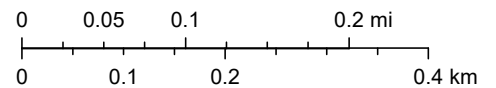
Legend Road Water Tank - NWI Map



January 16, 2024

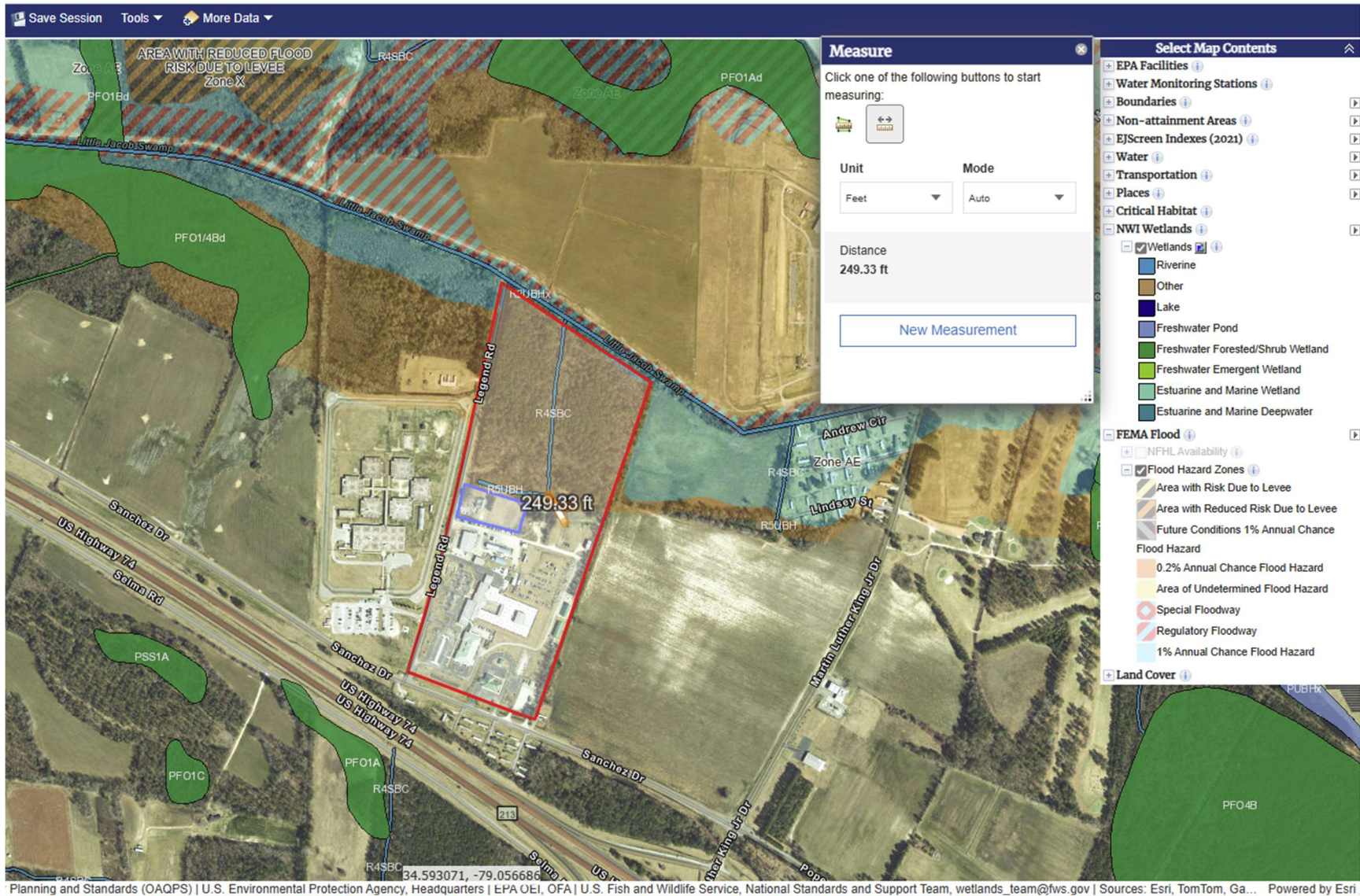
1:9,028

- | | | | |
|--|-----------------------------------|---|---------------------|
|  | Legend Road Water Tank - NWI Map |  | Lake |
| Wetlands | |  | Other |
|  | Estuarine and Marine Deepwater |  | Riverine |
|  | Estuarine and Marine Wetland |  | Proposed Water Tank |
|  | Freshwater Emergent Wetland |  | Excluded Parcel |
|  | Freshwater Forested/Shrub Wetland | | |
|  | Freshwater Pond | | |

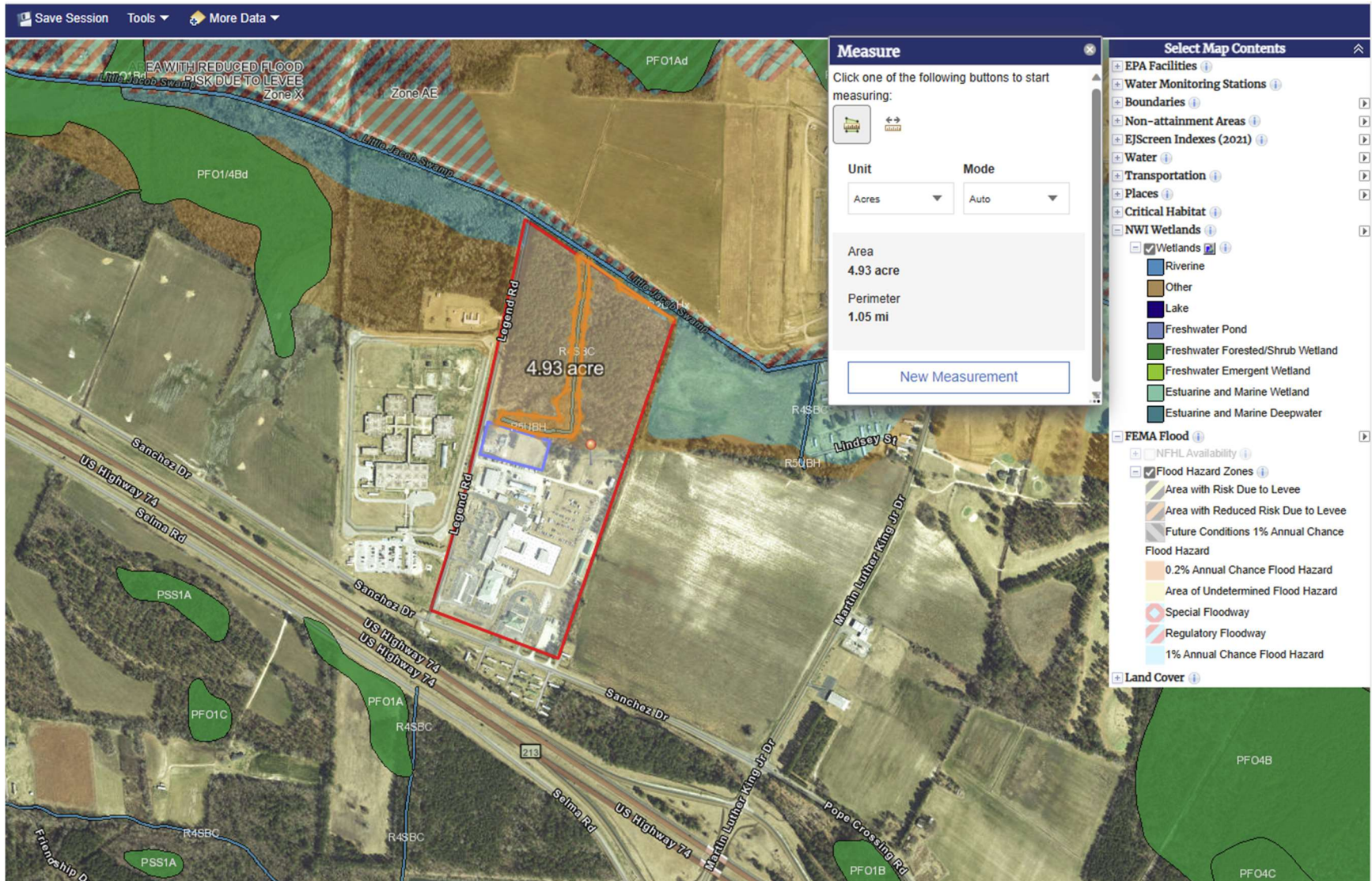


U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands_team@fws.gov, NC CGIA, Maxar, Esri Community Maps Contributors, State of North Carolina DOT, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Legend Road Water Tank – Distance from LOD to Riverine/Wetland

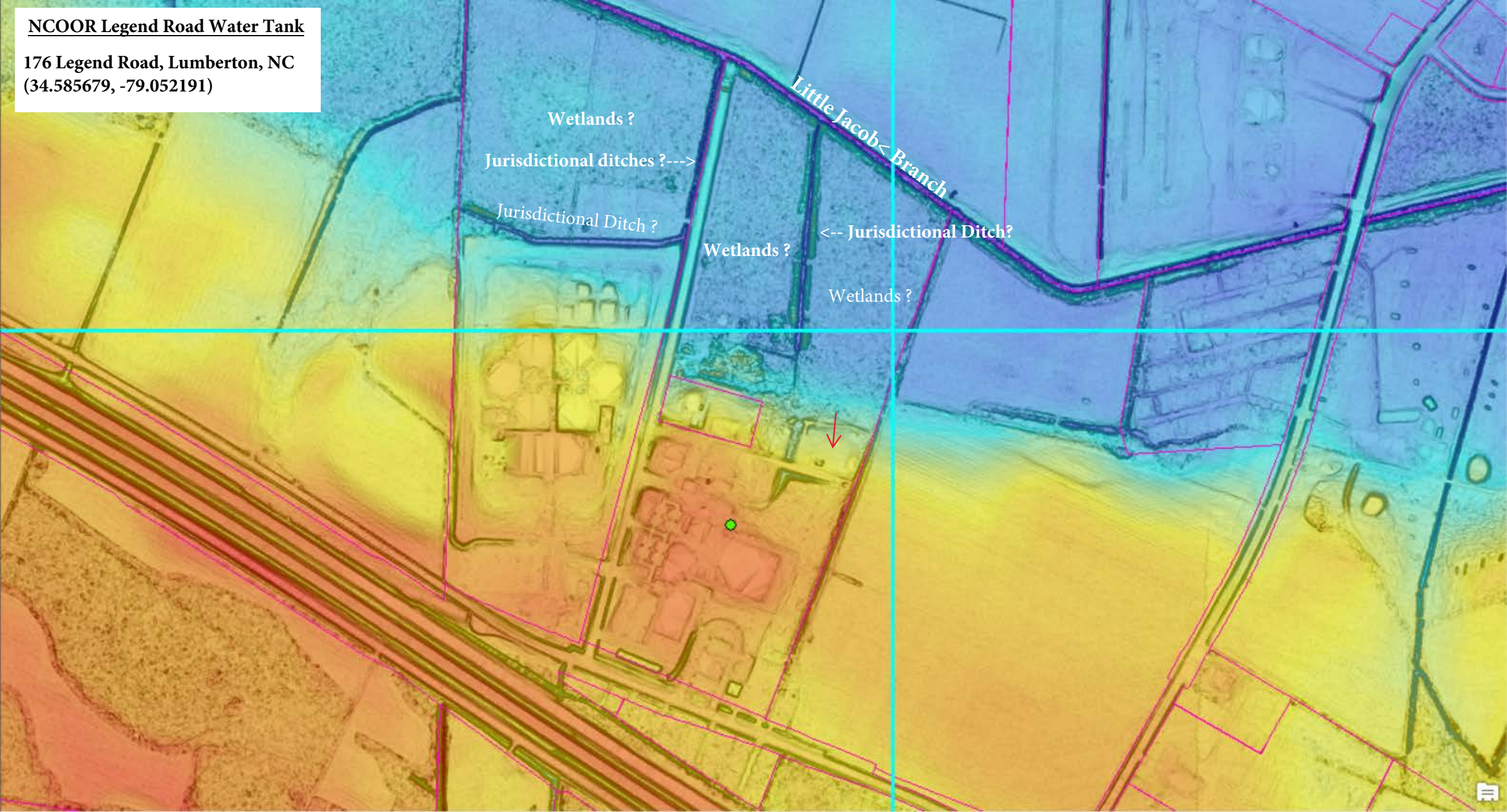


Legend Road Water Tank – Wetlands Estimated Total Acreage



NCOOR Legend Road Water Tank

**176 Legend Road, Lumberton, NC
(34.585679, -79.052191)**



Wetlands ?

Jurisdictional ditches ?--->

Jurisdictional Ditch ?

Wetlands ?

<-- Jurisdictional Ditch?

Wetlands ?



**USACE and NC DEQ DWR
Correspondence**

Gievers, Andrea

From: Gievers, Andrea
Sent: Wednesday, January 17, 2024 11:50 AM
To: Beecher, Gary H CIV USARMY CESAW (USA)
Cc: Turlington, Chad
Subject: RE: [External] RE: NCORR Legend Rd Water Tank Project - Finalizing Review
Attachments: ATTACHMENT 1 Proposed Project Location Maps and Site Plans.pdf; ATTACHMENT 13 Wetlands Protection.pdf

Hi Gary:

Just checking in as I am finalizing the review. I had to correct the County GIS boundary with the survey because it was shifted. Chad said no DWR buffers are required. There should be no CWA Section 404 or 401 permits required. The Legend Rd Water Tank project has been designed to *avoid wetlands and floodplain*, thus, there are no anticipated impacts. **There has been previous, significant site modification including fill and development for the existing fenced-in water treatment facility and roads (see below) where site disturbance is planned.** The closest onsite USFWS NWI-mapped riverine (R5UBH) and potential wetland is *approximately 250 feet* northwest from the limit of disturbance. Another NWI-mapped riverine (R4SBC) and potential wetland connects north to Little Jacob Swamp. I have attached the project location maps and site plans along with the NWI maps and the LIDAR map you sent me. Thanks so much for your help and let me know if you need anything else! Hope you both have a fabulous New Year!

Legend Road Water Tank – Action Area



Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM
Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700

From: Gievers, Andrea

Sent: Thursday, September 28, 2023 12:55 PM

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

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

Subject: RE: [External] RE: NCORR Legend Rd Water Tank Project - 401 Water Quality Certification Check

Hi Gary:

Please let me know if there are any buffer requirements, etc. for the record. The tank and water main will be installed in previously disturbed land that does not include any wetlands, see email below.

There are USFWS National Wetlands Inventory (NWI) mapped riverines located on the Subject Property. Based on the USFWS NWI maps and site visit, the proposed project development area is not located in or adjacent to a wetland or riverine. Along the northern Subject Property boundary is Little Jacob Swamp which is a riverine (R2UBHx) (approximately 0.24-mile from proposed water tank). Another riverine runs from the Little Jacob Swamp through the center of the Subject Property (R4SBC) then west just north of the excluded Methodist Home for Children's parcel (R5UBH) and is approximately 238 feet from the proposed water tank.



Sincerely,

Andrea Gievers

From: Gievers, Andrea

Sent: Tuesday, September 19, 2023 9:36 AM

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

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

Subject: RE: [External] RE: NCORR Legend Rd Water Tank Project - 401 Water Quality Certification Check

Thanks, Gary. The water tank will go in the cleared, fenced-in area by the water treatment facility, see red line for proposed water mains and tank locations. I have attached the location maps, site plans, floodplain maps, and NWI map. Let me know if you have any questions. Thank you so much!



Sincerely,

Andrea Gievers

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

Sent: Tuesday, September 19, 2023 8:59 AM

To: Turlington, Chad <chad.turlington@deq.nc.gov>; Gievers, Andrea <andrea.l.gievers@rebuild.nc.gov>

Subject: [External] RE: NCORR Legend Rd Water Tank Project - 401 Water Quality Certification Check

CAUTION: External email. Do not click links or open attachments unless verified. Report suspicious emails with the Report Message button located on your Outlook menu bar on the Home tab.

Andrea,

It looks like there may be wetlands towards the back of the property, and some of those ditches may be jurisdictional Waters.

Do you have a map or plan that shows where the water tank will go?

Thanks,
Gary



**US Army Corps
of Engineers**
Wilmington District



Gary Beecher
USACE Wilmington Field Office
Regulatory Project Manager
Office (910) 251-4694
Cell (910) 473-7045
gary.h.beecher@usace.army.mil

From: Turlington, Chad <chad.turlington@deq.nc.gov>
Sent: Tuesday, September 19, 2023 7:57 AM
To: Gievers, Andrea <andrea.l.gievers@rebuild.nc.gov>
Cc: Beecher, Gary H CIV USARMY CESAW (USA) <Gary.H.Beecher@usace.army.mil>
Subject: [Non-DoD Source] RE: NCORR Legend Rd Water Tank Project - 401 Water Quality Certification Check

Andrea,

There are no Division of Water Resources buffers required at the location of this proposed project. Since a 401 Certification would be linked to any potential 404 permit, the Corps of Engineers should be contacted to determine if there are any Waters of the US present, and if 404/401 permitting would be required. The Corps contact for Robeson County is Gary Beecher at Gary.H.Beecher@usace.army.mil.

Please note that our email addresses are being updated: chad.turlington@deq.nc.gov

Chad Turlington
Environmental Specialist
North Carolina Department of Environmental Quality
Office: (910) 433-3320
chad.turlington@deq.nc.gov



Email correspondence to and from this address is subject to the North Carolina Public Records Law and may be disclosed to third parties.

From: Gievers, Andrea <andrea.l.gievers@rebuild.nc.gov>
Sent: Friday, September 15, 2023 2:58 PM
To: Turlington, Chad <chad.turlington@deq.nc.gov>
Subject: NCORR Legend Rd Water Tank Project - 401 Water Quality Certification Check

Hello:

The North Carolina Office of Recovery and Resiliency (NCORR) as a recipient of Community Development Block Grant – Mitigation (CDBG-MIT) funds from the United States Department of Housing and Urban Development (HUD) is considering funding this proposed Infrastructure Recovery Program project, Legend Road Water Tank at **176 Legend Road, Lumberton, Robeson County, NC 28358** (see Attachment 1). *Please let us know if there are any 401 Water Quality Certification permit or buffer requirements from your office.* Based on the USFWS NWI maps and site visit, the proposed project development area is not located in or adjacent to a wetland or riverine (see Attachment 13). Along the northern Subject Property boundary is Little Jacob Swamp which is a riverine (R2UBHx) (approximately 0.24-mile from proposed water tank). Another riverine runs from the Little Jacob Swamp through the center of the Subject Property (R4SBC) then west just north of the excluded Methodist Home for Children’s parcel (R5UBH). The elevated water storage tank, altitude valve vault and water main will be constructed on a previously cleared, fenced-in portion of this large County parcel situated east of the Methodist Home for Children’s parcel and north of several Robeson County public facilities. The proposed project development area that is fenced-in currently contains the existing well, aeration basin, high service pumps, equalization basin, generator, and water treatment plant. An 8-inch to 12-inch PVC water main and associated valves will be installed in the paved parking area and gravel driveway/unnamed road running east-west to Legend Road between the fenced-in proposed tank and existing treatment facility and the Public Utilities buildings and Robeson County Ambulance Service/EMS. There are no wetlands in the area where project activities are proposed. Please feel free to contact me if you have any questions. Thank you so much for your time and assistance!

Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM
Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700

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