MICHAEL J.
SMITH FIELD

PROJECT LOCATION

V BEAUFORT RD

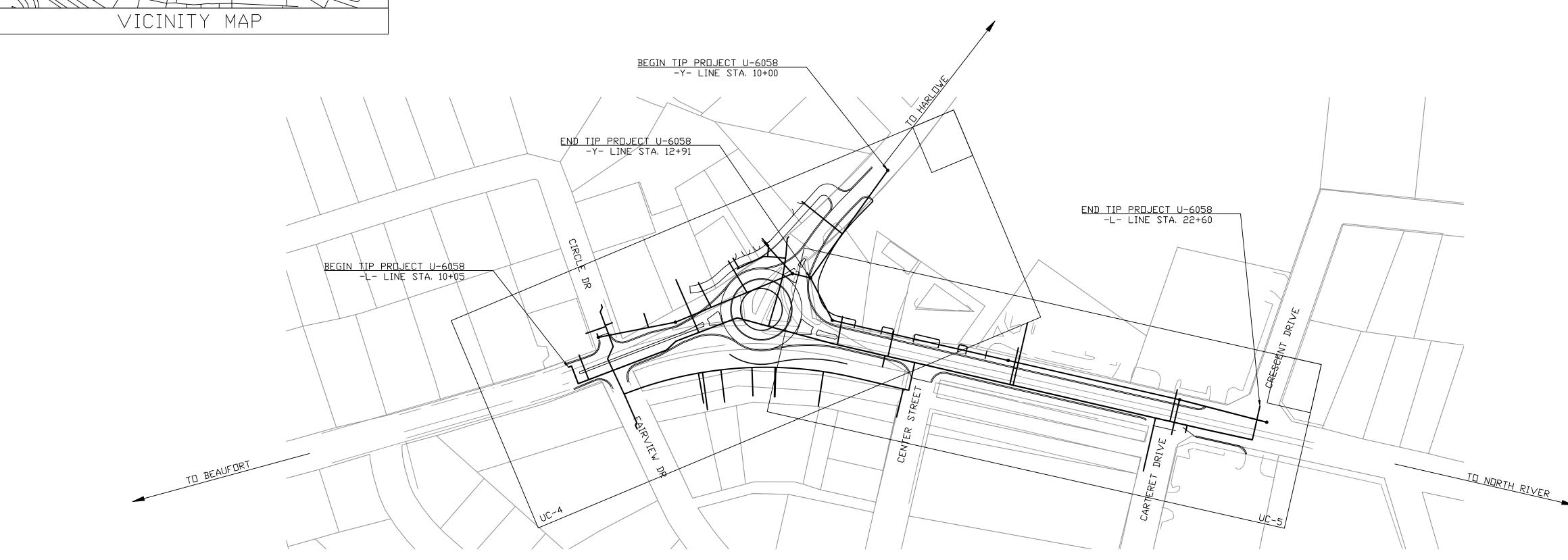
VICINITY MAP

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

T.I.P. NO. SHEET NO. UC-1

UTILITY CONSTRUCTION PLANS CARTERET COUNTY

LOCATION: INTERSECTION HWY 101 AND LIVE OAK ST IN BEAUFORT TYPE OF WORK: WATER AND SANITARY SEWER RELOCATION

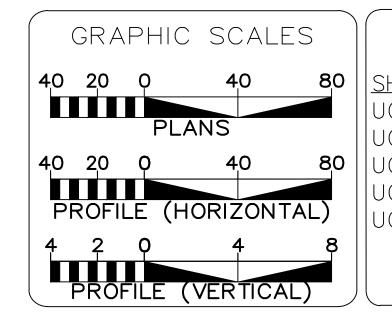


100% DESIGN — APRIL 2025

DOCUMENT NOT CONSIDERED FINAL UNTIL ALL SIGNATURES ARE COMPLETED

ROADWAY IMPROVEMENTS BY:

TRANSYSTEMS



INDEX OF SHEETS

SHEET NO.:

UC-1

UC-2

UC-3

DESCRIPTION:

TITLE SHEET

SYMBOLOGY SHEET

NOTES

UC-3A THRU UC-3B DETAILS
UC-4 THRU UC-5 UTILITY CONSTRUCTION SHEET:

WATER AND SEWER OWNERS ON PROJECT

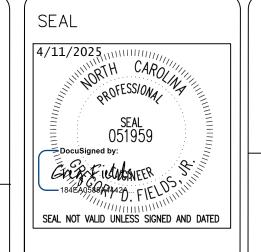
(A) WATER — TOWN OF BEAUFORT

(B) SANITARY SEWER - TOWN OF BEAUFORT



Greg Fields, PE CONSULTANT CONTACT #1

Ashlynn Frye, El CONSULTANT CONTACT #2





DIVISION OF HIGHWAYS UTILITIES UNIT 1555 MAIL SERVICES CENTER RALEIGH NC 27699-1555 PHONE (919) 707-6690 FAX (919) 250-4151

<u>David Kramer</u> UTILITIES ENGINEER

William Pope, PE UTILITIES COORDINATOR

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

PROJECT REFERENCE NO. UC-2

100% DESIGN - APRIL 2025 DOCUMENT NOT CONSIDERED FINAL ITIL ALL SIGNATURES ARE COMPLETED

A/G Gas

UTILITIES PLAN SHEET SYMBOLS

PROPOSED WATER SYMBOLS

Water Line (Sized as Shown) ------Plug -----Cross ------ + ++ Reducer ------Gate Valve-----Butterfly Valve Tapping Valve ----- 📈 Line Stop -----Line Stop with Bypass -----Blow Off-----Fire Hydrant ----- PFH Relocate Fire Hydrant ----- 🞳 Remove Fire Hydrant ------Water Meter -----Relocate Water Meter -----Remove Water Meter.-----REM WM Water Pump Station ----- PS(W) RPZ Backflow Preventer----- 🔀 DCV Backflow Preventer ·----- 🔀 Relocate RPZ Backflow Preventer-----Relocate DCV Backflow Preventer-----

PROPOSED SEWER SYMBOLS

Gravity Sewer Line(Sized as Shown)				
Force Main Sewer Line(Sized as Shown)				
Manhole (Sized per Note)				
Sewer Pump StationPS(SS)				

PROPOSED MISCELLANOUS UTILITIES SYMBOLS

Power Pole	6
Telephone Pole ·	~
Joint Use Pole ·	
Telephone Pedestal	EL PED CONTRACTOR OF THE PER CONTRACTOR OF T
Utility Line by Others(Type as Shown)	PROP O/H POW LINES
Trenchless Installation ·	12" TL INSTALL
Encasement by Open Cut	24" ENCAS RY OC
Encasement	24" ENCASEMENT

Thrust Block	· I
Air Release Valve·	AR •
Utility Vault	. UV
Concrete Pier	· CP
Steel Pier	
Plan Note	. NOTE
Pay Item Note	
	PAY ITEM

EXISTING UTILITIES SYMBOLS

Power Pole·	•	*Underground Power Line
Telephone Pole	•	*Underground Telephone Cable
Joint Use Pole	→	*Underground Telephone Conduit
Utility Pole	•	*Underground Fiber Optics Telephone Cable —
Utility Pole with Base		*Underground TV Cable
H-Frame Pole	•—•	*Underground Fiber Optics TV Cable
Power Transmission Line Tower		*Underground Gas Pipeline·
Water Manhole	⊕	Aboveground Gas Pipeline
Power Manhole	⊗	*Underground Water Line
Telephone Manhole	⊘	Aboveground Water Line
Sanitary Sewer Manhole	⊗	*Underground Gravity Sanitary Sewer Line-—
Hand Hole for Cable	<u>म</u>	Aboveground Gravity Sanitary Sewer Line-
Power Transformer		*Underground SS Forced Main Line
Telephone Pedestal		Underground Unknown Utility Line
CATV Pedestal		SUE Test Hole
Gas Valve·	♦	Water Meter 0
Gas Meter·	♦	Water Valve ⊕
Located Miscellaneous Utility Object	0	Fire Hydrant �
Abandoned According to Utility Records	AATUR	Sanitary Sewer Cleanout ⊕
End of Information	E.O.I.	

*For Existing Utilities
Utility Line Drawn from Record
Designated Utility Line

GENERAL NOTES:

- 1. WORK SHALL COMPLY WITH APPLICABLE STATE, FEDERAL, AND LOCAL CODES. NECESSARY LICENSES AND PERMITS
 SHALL BE OBTAINED BY CONTRACTOR AT ITS EXPENSE, UNLESS PREVIOUSLY OBTAINED BY THE OWNER AND PROVIDED
 IN THE CONTRACT DOCUMENTS.
- 2. WATER AND SANITARY SEWER CONSTRUCTION SHALL CONFORM TO NCDENR REGULATIONS AND TO TOWN OF BEAUFORT STANDARDS AND SPECIFICATIONS.
- 3. CONTRACTOR SHALL KEEP A COMPLETE SET OF CONTRACT DOCUMENTS AS WELL AS PERMIT APPROVALS AND EASEMENTS ON THE JOB SITE AT ALL TIMES. OWNER WILL FURNISH DESCRIPTION OF EASEMENTS UPON REQUEST.
- 4. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SHOULD ANY FIELD CONDITIONS BE ENCOUNTERED THAT VARY FROM THE INFORMATION PROVIDED IN THE CONTRACT DOCUMENTS.
- 5. DEVIATION FROM THE CONTRACT DOCUMENTS WITHOUT THE PRIOR WRITTEN CONSENT OF THE OWNER OR THE ENGINEER MAY BE CAUSE FOR THE WORK TO BE DEEMED UNACCEPTABLE.
- AT LEAST TEN BUSINESS DAYS PRIOR TO COMMENCING CONSTRUCTION, CONTRACTOR SHALL NOTIFY ENGINEER AND APPLICABLE REGULATORY AGENCIES THAT HE IS PREPARED TO COMMENCE. NOTIFY NODENR LAND QUALITY SECTION AT 919-791-4208.
- 7. CONTRACTOR SHALL COORDINATE WORK WITH THE TOWN OF BEAUFORT. CONTRACTOR SHALL PLAN AND CONSTRUCT THE WORK IN A MANNER THAT CAUSES MINIMUM INCONVENIENCE TO THE OWNER AND PUBLIC.
- BURIED TELEPHONE AND CATV CABLES (FIBER OPTICS AND CONVENTIONAL) ARE KNOWN TO VARY DUE TO INSTALLATION TECHNIQUES, CONTRACTOR SHALL COORDINATE WORK WITH CONFLICTING TELEPHONE AND CATV CABLES AS NECESSARY FOR CONSTRUCTION OF THE WORK, UTILITY COORDINATION SHALL BE INCLUDED IN THE PROJECT SCHEDULE AND IT IS THE EXPLICIT RESPONSIBILITY OF CONTRACTOR TO ASSURE THAT THE PROJECT SCHEDULE INCLUDES THE NECESSARY COORDINATION, CONTRACTOR SHALL NOT BE PAID ADDITIONALLY FOR THIS COORDINATION,
- 9. LOCATION OF EXISTING UTILITIES IS APPROXIMATE. IT IS THE RESPONSIBILITY OF CONTRACTOR TO DETERMINE THE SIZE, DEPTH, MATERIAL, AND LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION AND TO TAKE WHATEVER STEPS ARE NECESSARY TO PROVIDE FOR THEIR PROTECTION. THE ENGINEER HAS ATTEMPTED TO LOCATE AND INDICATE EXISTING UTILITIES ON THE DRAWINGS; HOWEVER, THIS INFORMATION IS SHOWN FOR CONTRACTOR'S CONVENIENCE ONLY. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY FOR THE LOCATIONS OF UTILITIES SHOWN OR NOT SHOWN. PRIOR TO DIGGING ON OR OFF SITE, CONTRACTOR SHALL HAVE ALL UTILITIES LOCATED BY "NC 811" (1-800-632-4949). CONTRACTOR SHALL CONTACT ANY UTILITY COMPANY WHOSE UTILITIES ARE NOT LOCATED BY "NC 811" FOR EXACT LOCATION OF THEIR UTILITIES PRIOR TO STARTING CONSTRUCTION. IT SHALL BE THE SOLE RESPONSIBILITY OF CONTRACTOR TO REPAIR OR REPLACE UTILITIES DAMAGED BY CONTRACTOR TO PPRECONSTRUCTION CONDITIONS AT CONTRACTOR'S EXPENSE. REPAIR OR REPLACE UTILITIES TO THE SATISFACTION OF THE UTILITY OWNER.
- .0. BUILDING LOCATIONS ARE APPROXIMATE AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY, NOT ALL BUILDINGS ARE SHOWN.
- 11. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO STREET RIGHTS-OF-WAY AND TOWN EASEMENTS.
- 12. WHERE CONTRACTOR DETERMINES THAT ENCROACHMENT ONTO PRIVATE PROPERTY IS NECESSARY, AND AN EASEMENT HAS NOT BEEN PROVIDED, CONTRACTOR SHALL CONTACT INDIVIDUAL PROPERTY OWNERS AND OBTAIN WRITTEN APPROVAL FOR THAT ENCROACHMENT. A COPY OF THIS APPROVAL SHALL BE PROVIDED TO THE OWNER AND ENGINEER
- 13. CONTRACTOR SHALL MAINTAIN A MEANS FOR INGRESS/EGRESS TO EACH PROPERTY AT ALL TIMES. BYPASS PIPE SHALL NOT PROHIBIT ACCESS TO PROPERTIES. PROVIDE FLOW-THROUGH ROAD RAMPS AT ROAD CROSSINGS AND DRIVEWAYS.
- 14. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AND ERECT AND MAINTAIN AT ALL TIMES DURING THE PROGRESS OR TEMPORARY SUSPENSION OF WORK, SUITABLE BARRIERS, FENCES, SIGNS OR OTHER ADEQUATE PROTECTION, INCLUDING FLAG MEN AND WATCHMEN AS NECESSARY TO ENSURE THE SAFETY OF THE PUBLIC AS WELL AS THOSE ENGAGED IN THE CONSTRUCTION WORK. CONSTRUCTION SIGNAGE SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AS SUPPLEMENTED BY THE NODOT SUPPLEMENT TO THE MUTCD.
- 15. CONTRACTOR SHALL INSTALL SIGNS AS REQUIRED BY NCDOT ALONG STATE ROADWAYS AND THE TOWN OF BEAUFORT ALONG TOWN STREETS.
- 16. CONTRACTOR SHALL MAKE EVERY EFFORT TO PRESERVE PROPERTY IRONS, MONUMENTS, OTHER PERMANENT POINTS AND LINES OF REFERENCE AND CONSTRUCTION STAKES. PROPERTY IRONS, MONUMENTS, AND OTHER PERMANENT POINTS OF REFERENCE DESTROYED BY CONTRACTOR SHALL BE REPLACED BY A PROFESSIONAL LAND SURVEYOR AT CONTRACTOR'S EXPENSE.
- 17. EXISTING VEGETATION DUTSIDE OF THE CLEARING LIMITS SHALL BE PROTECTED FROM DAMAGE.
- 18. UNLESS OTHERWISE INDICATED, EXISTING GRADE ELEVATIONS ARE SHOWN ALONG THE SEWER ALIGNMENT.
- 19. PIPE LENGTHS AND DISTANCES BETWEEN STRUCTURES ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE ALONG A HORIZONTAL PLANE.
- 20. CONTRACTOR SHALL PROVIDE STAKEOUT SURVEY, EXISTING STAKE OUT SHALL NOT BE USED BY CONTRACTOR.
- 21. CONTRACTOR SHALL REPAIR ALL DISTURBED DRIVEWAYS, PAVED OR UNPAVED, TO EXISTING OR BETTER CONDITION. GRAVEL AND EARTHEN DRIVEWAYS SHALL BE REPAIRED WITH MINIMUM 6" COMPACTED ABC STONE OVER THE DISTURBED WIDTH.
- 22. MATERIAL CLEARED AND GRUBBED BY CONTRACTOR IN ORDER TO CONSTRUCT THE WORK, SUCH AS TREES, VEGETATION, FENCING, ETC., SHALL BECOME THE PROPERTY OF CONTRACTOR AND SHALL BE PROPERLY DISPOSED OF OFF-SITE AT A STATE APPROVED DISPOSAL SITE. BURNING IS NOT ALLOWED.
- 23. PAVEMENT CUTS SHALL BE SAW CUT ALONG A STRAIGHT CONTINUOUS EDGE.
- 24. CONTRACTOR SHALL FURNISH AND INSTALL SHEETING REQUIRED FOR THE INSTALLATION OF THE UTILITY. EXCAVATIONS SHALL BE KEPT WITHIN THE DESIGNATED EASEMENT AND RIGHT-OF-WAY WIDTHS. EXCAVATION WITHIN PAVED AREAS SHALL BE KEPT TO A MINIMUM. SHEETING SHALL BE INSTALLED AS REQUIRED TO PROTECT EXISTING UTILITIES.
- 25. MINIMUM PIPE COVER FOR SEWER IS 4 FEET UNLESS LESS COVER IS SPECIFICALLY APPROVED BY THE ENGINEER. SEWER WITH LESS THAN 3 FEET OF COVER SHALL BE CERAMIC LINED DIP. WHERE PIPE WILL HAVE LESS THAN 3 FEET OF COVER UNDER A STREAM CROSSING, PROVIDE DUCTILE IRON PIPE AND CONCRETE PIPE ENCASEMENT.
- 26. IF TOWN OR STATE DOT ALLOWS EXCAVATED MATERIAL STORAGE ON PAVEMENT, A LAYER OF COARSE SAND, SCREENINGS OR ACCEPTABLE ALTERNATIVE SHALL BE PLACED ON THE PAVEMENT PRIOR TO DEPOSITION OF EXCAVATED MATERIAL.
- 27. CONTRACTOR SHALL REMOVE AND REPLACE CONFLICTING MAIL BOXES, CULVERTS, HEADWALL, DRNAMENTAL STRUCTURES, ETC. WITHIN THE RIGHT-OF-WAY. CONFLICTING TREES WITHIN THE RIGHT-OF-WAY SHALL BE REMOVED BUT NOT REPLACED EXCEPT WHERE REPLACEMENT OF LANDSCAPING IS REQUIRED.
- 28. CONTRACTOR SHALL REMOVE AND REINSTALL EXISTING FENCE AS REQUIRED FOR CONSTRUCTION, ADDITIONAL FENCE MATERIALS REQUIRED SHALL BE PROVIDED BY CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- 29. TRAFFIC ISLANDS, CURBS AND CONCRETE DRIVEWAYS SHALL BE REPLACED TO THE FIRST EXPANSION JOINT BEYOND THE TRENCH EXCAVATION LIMITS AND TO THE FULL WIDTH. TRAFFIC ISLANDS, CURBS, AND CONCRETE DRIVEWAYS SHALL MATCH EXISTING.
- 30. REPLACEMENT STORM DRAIN RCP IN NCDOT RIGHT-OF-WAYS SHALL BE CLASS IV. REPLACEMENT STORM DRAIN RCP IN TOWN RIGHT-OF-WAYS SHALL BE IN ACCORDANCE WITH TOWN STANDARD SPECIFICATIONS. MINIMUM SIZE FOR REPLACEMENT OF DRIVEWAY PIPES SHALL BE 15".
- 31. FINISHED GRADE SLOPES SHALL BE 3:1 DR FLATTER, UNLESS OTHERWISE SHOWN.
- 32. PLACED RIP-RAP SHALL HAVE A MINIMUM DEPTH OF 1.5 TIMES THE MAXIMUM STONE DIAMETER AND SHALL HAVE A LAYER OF TYPE II GEOTEXTILE SEPARATOR PLACED BETWEEN THE SOIL AND STONE.
- 33. GRAVITY SEWERS: DUCTILE IRON PIPE 12" DIAMETER AND LARGER SHALL BE LINED WITH PROTECTO 401.
- 34. EMERGENCY VEHICLE ACCESS AND ACCESS TO FIRE HYDRANTS SHALL BE MAINTAINED AT ALL TIMES.
- 35. ACCESS TO BUSINESSES AND RESIDENCES SHALL BE MAINTAINED AT ALL TIMES.
- 36. ALL AREAS: CONTRACTOR SHALL CONFINE WORK HOURS FROM 7:00AM TO 6:00PM, MONDAY THROUGH FRIDAY, EXCLUDING TOWN HOLIDAYS.

PROJECT NOTES:

- 1. CONTRACTOR SHALL COORDINATE OUTAGES WITH TOWN OF BEAUFORT AND ENGINEER.
- 2. CONTRACTOR SHALL COORDINATE WITH THE TOWN OF BEAUFORT TO MINIMIZE INTERRUPTING SERVICE TO CUSTOMERS.
- 3. USE RESTRAINT SYSTEM ON ALL BURIED FITTINGS AND VALVES.
- 4. REPAIR ANY DISTURBED PAVEMENT TO MATCH EXISTING PAVEMENT TYPE UNLESS OTHERWISE
- 5. TRENCHES SHALL BE CLOSED DURING NON-WORK HOURS EXCEPT WHERE COVERING WITH STEEL PLATING IS SPECIFICALLY APPROVED BY THE ENGINEER.
- 6. WHERE EXISTING UTILITIES CONFLICT WITH TRENCHES, CONTRACTOR SHALL SUPPORT AND PROTECT OR REMOVE AND RESTORE THOSE UTILITIES AS DIRECTED BY UTILITY OWNER.
- 7. CLEAR EASEMENTS ONLY AS REQUIRED FOR THE WORK.

EROSION CONTROL NOTES:

- 1. PROJECT IS LOCATED IN THE WHITE DAK RIVER BASIN.
- 2. ALL EROSION CONTROL DEVICES SHALL CONFORM WITH THE NORTH CAROLINA EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.
- 3. THE ESCAPE OF SEDIMENT FROM THE WATER LINE ALIGNMENT SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO CONSTRUCTION.
- 4. CONTRACTOR SHALL USE EROSION CONTROL DEVICES SHOWN AND ANY ADDITIONAL DEVICES NECESSARY TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION.
- 5. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED.
- 6. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN DAYS OR WITHIN 24 HOURS OF EACH RAINFALL EVENT THAT EXCEEDS ONE-HALF INCH. DAMAGED OR INEFFECTIVE DEVICES SHALL BE REPAIRED OR REPLACED, AS NECESSARY.
- 7. UPON STABILIZATION OF THE CONSTRUCTION CORRIDOR AND APPROVAL BY ENGINEER, CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF EROSION CONTROL DEVICES.
- 8. CONTRACTOR SHALL SEED, FERTILIZE, AND MULCH (I.E. STABILIZE) ALL DISTURBED AREAS WITHIN 14 CALENDAR DAYS OF LAND DISTURBING ACTIVITIES EXCEPT AS FOLLOWS:
- A. PERIMETER DIKES, SWALES, DITCHES, SLOPES AND HIGH QUALITY WATER (HQW) ZONES
- SHALL BE STABILIZED WITHIN 7 DAYS.

 B. SLOPES STEEPER THAN 3:1 (H:W) SHALL BE STABILIZED WITHIN 7 DAYS UNLESS THEY ARE 10' OR LESS IN LENGTH AND NOT STEEPER THAN 2:1 IN WHICH CASE SHALL BE STABILIZED WITHIN 14 DAYS.
- C. SLOPES BETWEEN 3:1 AND 4:1 AND GREATER THAN 50' IN LENGTH SHALL BE STABILIZED WITHIN 7 DAYS.
- ONTRACTOR SHALL PROVIDE A CONSTRUCTION ENTRANCE AND ADDITIONAL EROSION CONTROL DEVICES AS NEEDED FOR ANY MATERIAL LAY DOWN, STAGING AREA, EXCAVATED MATERIAL STORAGE OR ANY OTHER AREAS DISTURBED BY CONSTRUCTION FOR MORE THAN 7 CALENDAR DAYS.
- A. DEMOLITION MATERIALS AND STOCKPILES SHALL BE NO CLOSER THAN 50' FROM STORM DRAINS AND STREAMS.
- 10. CONCRETE MATERIALS SHALL BE CONTROLLED TO AVOID CONTACT WITH SURFACE WATERS, WETLANDS, OR BUFFERS.

WATER NOTES:

- 1. CONTRACTOR SHALL USE RESTRAINT SYSTEM ON ALL FITTINGS AND VALVE AS SHOWN IN THE CONSTRUCTION DRAWINGS.
- 2. PROVIDE AND MAINTAIN ACCESS TO FIRE HYDRANTS AND CONTROL VALVES FREE OF OBSTRUCTION.
- 3. EXISTING WATERLINE SEGMENTS TO BE REMOVED AND REPLACED SHALL BE PHYSICALLY SEPARATED FROM THE ACTIVE PIPE, DRAINED, REMOVED, AND DISPOSED OF.
- 4. FIRE HYDRANTS SPECIFIED FOR ABANDONMENT SHALL BE REMOVED, SALVAGED, AND RETURNED TO THE TOWN OF BEAUFORT'S PUBLIC UTILITIES DEPARTMENT.

SEWER NOTES

- 1. A SEWER BYPASS OPERATION PLAN MUST BE SUBMITTED TO THE TOWN OF BEAUFORT AND ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION, BYPASS PIPING SHALL NOT PROHIBIT ACCESS TO PROPERTIES.
- 2. COORDINATE TEMPORARY BYPASS PUMPING WITH OWNER AND RPR. PROVIDE 48 HOURS NOTICE PRIOR TO SYSTEM TESTING.
- 3. ANTICIPATE SEVERE WEATHER CONDITIONS AND INCREASES IN PEAK FLOWS DURING RAIN EVENTS WHEN DESIGNING BYPASS PUMPING.

REQUIREMENTS WITHIN NCDOT R/W:

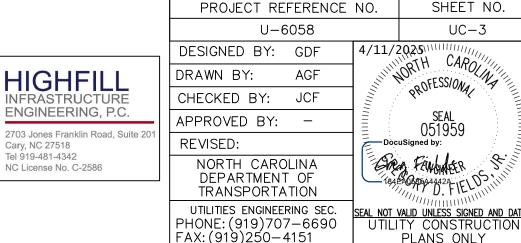
- 1. ANY PERSONNEL OR EQUIPMENT WORKING WITHIN 5 FEET OF A TRAVEL LANE SHALL REQUIRE A FULL LANE CLOSURE. NO LANE OF TRAFFIC SHALL BE CLOSED OR RESTRICTED BETWEEN THE HOURS OF 6:00 AM TO 9:00 AM AND FROM 4:00 PM TO 7:00 PM, MONDAY THROUGH FRIDAY, DURING ANY TIME OF INCLEMENT WEATHER, OR UPON DISTRICT ENGINEERS' DIRECTIVE. TRAFFIC SHALL BE MAINTAINED AT ALL TIMES.
- 2. SIDEWALK CLOSURES SHALL BE INSTALLED AS NECESSARY. PEDESTRIAN TRAFFIC SHALL BE DETOURED AROUND THESE CLOSURES AND SHALL BE SIGNED APPROPRIATELY AND IN ACCORDANCE WITH THE AMERICAN DISABILITIES ACT ACCESSIBILITY GUIDELINES.
- 3. TWD-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES.
- 4. ALL EXCAVATIONS INSIDE THE THEORETICAL 1:1 SLOPE FROM THE EXISTING EDGE OF PAVEMENT TO THE BOTTOM OF THE NEAREST EXCAVATION WALL SHOULD BE MADE IN ACCORDANCE WITH THE FOLLOWING CONDITIONS. TRAFFIC SHOULD BE MOVED TO A TRAVEL LANE OUTSIDE THE LIMITS OF A THEORETICAL ONE-TO-ONE SLOP FROM THE BOTTOM OF THE NEAREST TRENCH WALL TO THE PAVEMENT SURFACE. ACTIVE EXCAVATION SHORING, SUCH AS SHEET PILLING, SHALL BE INSTALLED. THE DESIGN OF THE SHORING SHALL INCLUDE THE EFFECTS OF TRAFFIC LOADS. THE SHORING SYSTEM SHALL BE DESIGNED AND SEALED BY AN ENGINEER REGISTERED IN NORTH CAROLINA. TRENCH BOXES SHALL NOT BE ACCEPTED AS SHORING. THE TRENCH BACKFILL MATERIAL SHOULD MEET THE STATEWIDE BORROW CRITERIA.

DTE:

EXISTING SURVEY DATA PROVIDED BY TRANSYSTEMS FOR ENGINEERING PURPOSES ONLY, NOT FOR RECORDATION. ELEVATIONS SHOWN ARE BASED ON NAVD88. HORIZONTAL DATUM IN NAD83.

I FGFN

SYMBOL (NEW)	DESCRIPTION	
0	SEWER CLEAN-DUT	
• ••	FIRE HYDRANT ASSEMBLY	
H	GATE VALVE	
	WATER LINE	
	SEWER LINE	
R/W R/W	PERMANENT R/W	
	PERMANENT EASEMENT	
(WM)	WATER METER	
(1111)		



TILITY CONSTRUCTION

100% DESIGN — APRIL 2025

DOCUMENT NOT CONSIDERED FINAL
UNTIL ALL SIGNATURES ARE COMPLETED

