STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

December 13, 2018

To: Prospective Bidders

From: Jonathan W. Mitchell
Division Proposals Engineer

DocuSigned by:
Jonathan W Mitchell
02B404268BC84C2...

Contract ID#: D3POC0087
WBS Element: DF15403.2031050, DF15403.2031155, DF15403.2031165, DF15403.2031168

- **Subject: Addendum #1**

Hurricane Pipe Replacements

The Subject contract proposal contains the following addendum:

1- Replace page 7 with the attached revised page dated 12/13/2018.
2- Add the attached Intermediate Contract Time 1 SP.
3- Add the attached Headwall Assembly SP.
4- Replace the Utility Relocation SP with the attached.
5- Replace the sheet listing coordinates with the attached revised page dated 12/13/2018
6- Add the attached permitting sheets.
7- Replace pages 95-98 with the attached revised pages dated 12/13/2018.
8- Add the attached Flowable Fill SP.

Addendum must be signed and dated.

You MUST sign as your acknowledgement that you did in fact receive this addendum. Failure to do so shall cause the bid to be considered irregular and shall be grounds for rejection of the bid.

Signature_____ **Date**_____

JWM/jwm

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
5501 BARBADOS BOULEVARD
CASTLE HAYNE, NC 28429-5647

Telephone: (910 341-2000
Fax: (910) 675-0143
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
5501 BARBADOS BOULEVARD
CASTLE HAYNE, NC 28429-5647

MANDATORY PRE-BID CONFERENCE: ELIGIBILITY TO BID

All prospective bidders at the Mandatory Pre-Bid Conference shall meet all of the requirements as shown below:

Only bidders who have attended the entire conference and properly registered at the Mandatory Pre-Bid Conference will be considered eligible to bid on this project. A bid received from a Bidder who has not attended and properly registered at the conference will be rejected as an irregular bid and will not be considered for award.

Attendance at the Mandatory Pre-Bid Conference will not meet the requirements of proper registration unless the individual attending has registered at the conference in accordance with the following:

1. The individual attending the Mandatory Pre-Bid Conference is a full time employee of the company being represented and has **administrative/supervisory** authority over the work to be performed under this contract.

2. The individual signs his/her name and company title on the official roster.

3. The individual writes in the name and address of the company he or she represents.

4. Only one company is shown as being represented by the individual attending.

5. The individual shall sign out when the conference is over.

CONTRACT TIME AND LIQUIDATED DAMAGES:

(7-1-95) (Rev. 12-18-07) 108 SP1 G10 A

The date of availability for this contract is **January 2, 2019.**

The completion date for this contract is **July 31, 2019.**

Except where otherwise provided by the contract, observation periods required by the contract will not be a part of the work to be completed by the completion date and/or intermediate contract times stated in the contract. The acceptable completion of the observation periods that extend beyond the final completion date shall be a part of the work covered by the performance and payment bonds.

The liquidated damages for this contract are Five Hundred Dollars ($500.00) **per calendar day**

MAJOR CONTRACT ITEMS:

(2-19-02) 104 SP1 G28

The following listed items are the major contract items for this contract (see Article 104-5 of the *2018 Standard Specifications*):

Line #		Description
6	—	Aggregate Base Course
16	—	Dewatering

INTERMEDIATE CONTRACT TIME NUMBER 1 AND LIQUIDATED DAMAGES:

There shall be a maximum **3 week** road closure at each pipe location.

The date of availability for this intermediate contract time is the date the Contractor elects to begin the work.

The completion date for this intermediate contract time is the date which is **21** consecutive calendar days after and including the date the Contractor begins this work.

The liquidated damages are **Five Dollars ($500.00)** per calendar day.

CONTRACTOR SUPPLIED PIPE AND HEADWALL (ASSEMBLE AND INSTALL)

Purchasing, assembling and placing the new structure will be the responsibility of the contractor. The manufacturer's representative, with at least two (2) years of experience in the installation of this type of structure, will be required to be onsite during assembly, placement and backfilling of the structure. The Contractor's responsibility shall be to excavate the streambed for placement of the toe wall of both headwalls.

The pipe is required to be buried one foot below the streambed, unless specified otherwise. The contractor will be responsible for taking streambed elevations at ten-foot intervals, 60 ft (minimum) upstream and downstream of the proposed structures, to determine the appropriate pipe invert elevations. The proposed pipe inverts must be approved by the Department prior to the pipe installation. The contractor will then be responsible for backfilling in accordance with the NCDOT Standard Specifications, and as directed by the Engineer. Backfill material shall be #57 stone from one (1) foot below the pipe invert to two foot above the top and beyond the sides of the pipe. All #57 stone backfill materials shall be encapsulated with engineering fabric (Foundation Conditioning Geotextile). Provide engineering fabric meeting the requirements of Article 1056-2 of the Standard Specifications for any type of engineering fabric. In addition to the engineering fabric the Contractor will be required to place one layer of geogrid (TX160 or equivalent) approximately 6" above and below the structure from headwall to headwall. All engineering fabric and geogrid will be considered incidental to "Pipe and Headwall" line items.

The Contractor shall thoroughly and carefully backfill the pipe in accordance with the pipe assembly plans. Backfilled areas shall be graded and maintained in such a condition that erosion or saturation will not erode or damage the pipe foundation or backfill. Heavy equipment shall not be operated over the pipe until it has been properly backfilled and minimum cover as shown on the plans or as approved by the Engineer has been placed over the pipe.

All material shall be inspected and approved by the Engineer after delivery to the project and prior to installation.

Basis of payment for "Pipe and Headwall" will be the contract unit price per lump sum.

UTILITY COORDINATION AND RELOCATIONS

It shall be the responsibility of the Contractor to contact all utility owners and make investigations for determining the exact location, size, and type of material of existing utility facilities at each site.

All reasonable efforts to prevent utility relocations shall be made by the Contractor through coordination with utility owners prior to beginning construction of proposed storm drainage and to avoid damage to existing facilities during construction.

The Contractor shall notify the Resident Engineer prior to any required utility relocation.

All coordination by the Contractor with utility owners for investigations, conflict avoidance and relocations, shall be considered incidental to the contract.

Special care shall be used in working around or near existing utilities, protecting them when necessary to provide uninterrupted service. Utility owners shall be contacted a minimum of 72 hours prior to the commencement of operations at each site. In an event that a utility service is interrupted, the Contractor shall notify the utility owner immediately and shall cooperate with the owner, or their representative, in the restoration of service in the shortest time possible.

Utility owners shall relocate their own facilities at their expense, if they are within NCDOT right-of-way by encroachment and are not compensable by general statute.

Upon notification of a request by the utility owner that NCDOT should bear the cost of utility relocation, immediate notification to the Resident Engineer shall be made for validation of the request. No utility relocation work prior to verification will be compensated.

Utilities to be relocated and compensated by NCDOT for having prior rights, or by general statute, shall fall under one of the following conditions:

1. Utility owner shall relocate their own facilities and shall be paid through the Contractor under Article 104-7 of the Standard Specifications for Roads and Structures. The amount of the supplemental agreement shall be limited to the actual cost of the work, which is the invoiced amount by the utility owner, plus 10% markup for the Contractor.
2. Contractor shall relocate the facility for the utility owner and compensation for relocation work performed by the Contractor will be paid for each utility relocated at each site.

Basis of payment for utility relocation will be under the following contract line items and shall be performed in accordance with applicable sections of Division 15 Utility Construction in the 2018 NCDOT Standard Specifications for Roads and Structures (NCDOT Specifications):

1. “Utility Relocation – Directional Drilling of Water Line” shall be performed with the following exceptions:
    - Payment at the unit price (per LF) shall be full compensation for supplying all labor, equipment, and materials necessary to relocate and install the proposed water line using trenchless methods.

- The Contractor shall install 2 isolation valves at locations to be determined by the Engineer, at each site. Installation of valves shall be incidental to the unit price (per LF) of "Utility Relocation – Directional Drilling of Water Line" and shall include all labor, equipment and materials necessary for the installation of the valves.

2. "Utility Relocation - Directional Drilling of Forced Sanitary Sewer" shall be performed with the following exceptions:
   - Payment at the unit price (per LF) shall be full compensation for supplying all labor, equipment, and materials necessary to relocate and install the proposed forced sanitary sewer using trenchless methods.
   - The Contractor shall install 2 isolation valves at locations to be determined by the Engineer, at each site. Installation of valves shall be incidental to the unit price (per LF) of "Utility Relocation - Directional Drilling of Forced Sanitary Sewer" and shall include all labor, equipment and materials necessary for the installation of the valves.

3. "Utility Relocation – Fire Hydrant" shall be performed with the following exception:
   - Payment at the unit price (per Each) shall be full compensation for supplying all labor, equipment, and materials necessary to relocate and install the proposed Fire Hydrant.

Pay Item	**Pay Unit**
Utility Relocation – Directional Drilling of Water Line	Linear Foot
Utility Relocation – Directional Drilling of Force Sanitary Sewer	Linear Foot
Utility Relocation – Fire Hydrant	Each

If no relocation is required or performed, there shall be no payment under this provision, as all reasonable efforts to prevent utility relocations shall be made.

Revised 12/13/2018

County	Route	Job Site	Location	Latitude	Longitude	Existing Pipe	Proposed Size	Alt Size 1	Alt Size 2
Duplin	**SR 1701**	N. Williams Road	2.5 mi. s. SR 1700	34.94490	-77.84659	2@48" cmp	1 @ 112"x75" CAAPA w/HW	2 @ 60" w/HW	
\\Dot\dfsroot01\Groups-Div3CC\Shared\Div 3 Utilities\Hurricane Florence Pipe		Time Warner Cable - Charter							
		Century Link							
		Duplin County Utility Service							
		Tri-County Electric							
Duplin	**SR 1827**	Bear Pond Road	1.0 mi. E of SR 1826	34.75691	-77.68859	2 @ 54" cmp	1 @ 95" x 67" CAAPA w/HW	2 @ 60" w/HW	
\\Dot\dfsroot01\Groups-Div3CC\Shared\Div 3		Jones Onslow Electric							
		Century Link							
Duplin	**SR 1922**	JB Stroud Road	0.1 mi. W. of SR 1923	34.90720	-78.00120	48" CMP	1 @ 72" w/HW	1 @ 87" x 63" CAAPA w/HW	2 @ 60" w/HW
\\Dot\dfsroot01\Groups-Div3CC\Shared\Div 3		Century Link							
		Four County Electric							
Duplin	**SR 1953**	Pasture Branch Rd.	0.3 mi. W. of SR 1102	34.81862	-77.93030	48" cmp	1 @ 87" x 63" CAAPA w/HW	2 @ 54" w/HW	
\\Dot\dfsroot01\Groups-Div3CC\Shared\Div 3		Century Link							
		Four County Electric							

ROY COOPER
Governor

MICHAEL S. REGAN
Secretary

LINDA CULPEPPER
Interim Director

November 14, 2018
Duplin County
NCDWR Project No.201801544
Pipe Replacement on a UT to Elder Creek
WBS#: DF15403.2031165

APPROVAL of 401 WATER QUALITY CERTIFICATION with ADDITIONAL CONDITIONS

Mr. Christopher Dustin, Division 3 Environmental Consultant
NCDOT, Division 3
5501 Barbados Boulevard
Castle Hayne, NC 28429-5647

Dear Mr. Dustin:

You have our approval, in accordance with the conditions listed below, for the following impacts for the purpose of replacing a pipe in a UT to Elder Creek on SR 1922 (JB Stroud Road) in Duplin County:

Stream Impacts in the Cape Fear River Basin

Site	Permanent Fill in Intermittent stream (linear ft)	Temporary Fill in Intermittent Stream (linear ft)	Permanent Fill in Perennial Stream (linear ft)	Temporary Fill in Perennial Stream (linear ft)	Total Stream Impacts (linear ft)	Stream Impacts Requiring Mitigation (linear ft)
1			9	10	19	N/A
TOTAL			**9**	**10**	**19**	**N/A**

Total Stream Impacts for Project: 19 linear feet

The project shall be constructed in accordance with your application dated received November 13, 2018. After reviewing your application, we have decided that these impacts are covered by General Water Quality Certification Number 4132. This certification corresponds to the Nationwide Permit 3 issued by the Corps of Engineers. In addition, you should acquire any other federal, state or local permits before you proceed with your project including (but not limited to) Sediment and Erosion Control, Non-Discharge and Water Supply Watershed regulations. This approval will expire with the accompanying 404 permit.

This approval is valid solely for the purpose and design described in your application (except where modified below). Should your project change, you must notify the NCDWR and submit a new application. If the property is sold, the new owner must be given a copy of this Certification and approval letter, and is thereby responsible for complying with all the conditions. If total wetland fills for this project (now or in the future) exceed one acre, or of total impacts to streams (now or in the future) exceed 150 linear feet, compensatory mitigation may be required as described in 15A NCAC 2H .0506 (h) (6) and (7). For this approval to remain valid, you must adhere to the conditions listed in the attached certification, except where exempted and any additional conditions listed below.

Condition(s) of Certification:

Project Specific Conditions

1. Due to the existing geomorphological conditions at the site as described in your application received on November 13, 2018, the pipe replacement will not meet the burial requirement of GC 4132 of 1 foot. The proposed culvert will be buried 1 foot at the inlet invert and will be placed on a 3 percent slope, resulting in the outlet being approximately 4.2 feet above the downstream channel. The culvert shall be installed per the proposed plan (dated 11/9/2018) and 9 linear feet of rip rap and flowable fill at the downstream pipe outfall. If any compliance issues with the culvert occur, DWR may require DOT to submit a modification of this culvert design. [15A NCAC 02H.0506(b)(2)]

General Conditions

2. Unless otherwise approved in this certification, placement of culverts and other structures in open waters and streams shall be placed below the elevation of the streambed by one foot for all culverts with a diameter greater than 48 inches, and 20 percent of the culvert diameter for culverts having a diameter less than 48 inches, to allow low flow passage of water and aquatic life. Design and placement of culverts and other structures including temporary erosion control measures shall not be conducted in a manner that may result in dis-equilibrium of wetlands or streambeds or banks, adjacent to or upstream and downstream of the above structures. The applicant is required to provide evidence that the equilibrium is being maintained if requested in writing by NCDWR. If this condition is unable to be met due to bedrock or other limiting features encountered during construction, please contact NCDWR for guidance on how to proceed and to determine whether or not a permit modification will be required. [15A NCAC 02H.0506(b)(2)]

3. If concrete is used during construction, a dry work area shall be maintained to prevent direct contact between curing concrete and stream water. Water that inadvertently contacts uncured concrete shall not be discharged to surface waters due to the potential for elevated pH and possible aquatic life and fish kills. [15A NCAC 02B.0200]

4. During the construction of the project, no staging of equipment of any kind is permitted in waters of the U.S., or protected riparian buffers. [15A NCAC 02H.0506(b)(2)]

5. The dimension, pattern and profile of the stream above and below the crossing shall not be modified. Disturbed floodplains and streams shall be restored to natural geomorphic conditions. [15A NCAC 02H.0506(b)(2)]

6. The use of rip-rap above the Normal High Water Mark shall be minimized. Any rip-rap placed for stream stabilization shall be placed in stream channels in such a manner that it does not impede aquatic life passage. [15A NCAC 02H.0506(b)(2)]

7. The Permittee shall ensure that the final design drawings adhere to the permit and to the permit drawings submitted for approval. [15A NCAC 02H .0507(c) and 15A NCAC 02H .0506 (b)(2) and (c)(2)]

8. All work in or adjacent to stream waters shall be conducted in a dry work area. Approved BMP measures from the most current version of NCDOT Construction and Maintenance Activities manual such as sandbags, rock berms, cofferdams and other diversion structures shall be used to prevent excavation in flowing water. [15A NCAC 02H.0506(b)(3) and (c)(3)]

9. Heavy equipment shall be operated from the banks rather than in the stream channel in order to minimize sedimentation and reduce the introduction of other pollutants into the stream. [15A NCAC 02H.0506(b)(3)]

10. All mechanized equipment operated near surface waters must be regularly inspected and maintained to prevent contamination of stream waters from fuels, lubricants, hydraulic fluids, or other toxic materials. [15A NCAC 02H.0506(b)(3)]

11. No rock, sand or other materials shall be dredged from the stream channel except where authorized by this certification. [15A NCAC 02H.0506(b)(3)]

12. Discharging hydroseed mixtures and washing out hydroseeders and other equipment in or adjacent to surface waters is prohibited. [15A NCAC 02H.0506(b)(3)]

13. The permittee and its authorized agents shall conduct its activities in a manner consistent with State water quality standards (including any requirements resulting from compliance with §303(d) of the Clean Water Act) and any other appropriate requirements of State and Federal law. If the NCDWR determines that such standards or laws are not being met (including the failure to sustain a designated or achieved use) or that State or federal law is being violated, or that further conditions are necessary to assure compliance, the NCDWR may reevaluate and modify this certification. [15A NCAC 02B.0200]

14. All fill slopes located in jurisdictional wetlands shall be placed at slopes no flatter than 3:1, unless otherwise authorized by this certification. [15A NCAC 02H.0506(b)(2)]

15. A copy of this Water Quality Certification shall be maintained on the construction site at all times. In addition, the Water Quality Certification and all subsequent modifications, if any, shall be maintained with the Division Engineer and the on-site project manager. [15A NCAC 02H .0507(c) and 15A NCAC 02H .0506 (b)(2) and (c)(2)]

16. The outside buffer, wetland or water boundary located within the construction corridor approved by this authorization shall be clearly marked by highly visible fencing prior to any land disturbing activities. Impacts to areas within the fencing are prohibited unless otherwise authorized by this certification. [15A NCAC 02H.0501 and .0502]

17. The issuance of this certification does not exempt the Permittee from complying with any and all statutes, rules, regulations, or ordinances that may be imposed by other government agencies (i.e. local, state, and federal) having jurisdiction, including but not limited to applicable buffer rules, stormwater management rules, soil erosion and sedimentation control requirements, etc.

18. The Permittee shall report any violations of this certification to the Division of Water Resources within 24 hours of discovery. [15A NCAC 02B.0506(b)(2)]

19. Upon completion of the project (including any impacts at associated borrow or waste sites), the NCDOT Division Engineer shall complete and return the enclosed "Certification of Completion Form" to notify the NCDWR when all work included in the 401 Certification has been completed. [15A NCAC 02H.0502(f)]

19 Native riparian vegetation must be reestablished in the riparian areas within the construction limits of the project by the end of the growing season following completion of construction. . [15A NCAC 02H.0506(b)(2)]

20 There shall be no excavation from, or waste disposal into, jurisdictional wetlands or waters associated with this permit without appropriate modification. Should waste or borrow sites, or access roads to waste or borrow sites, be located in wetlands or streams, compensatory mitigation will be required since that is a direct impact from road construction activities.[15A NCAC 02H.0506(b)(3) and (c)(3)]

21 Erosion and sediment control practices must be in full compliance with all specifications governing the proper design, installation and operation and maintenance of such Best Management Practices in order to protect surface waters standards [15A NCAC 02H.0506(b)(3) and (c)(3]):

a. The erosion and sediment control measures for the project must be designed, installed, operated, and maintained in accordance with the most recent version of the *North Carolina Sediment and Erosion Control Planning and Design Manual.*
b. The design, installation, operation, and maintenance of the sediment and erosion control measures must be such that they equal, or exceed, the requirements specified in the most recent version of the *North Carolina Sediment and Erosion Control Manual.* The devices shall be maintained on all construction sites, borrow sites, and waste pile (spoil) projects, including contractor-owned or leased borrow pits associated with the project.
c. For borrow pit sites, the erosion and sediment control measures must be designed, installed, operated, and maintained in accordance with the most recent version of the *North Carolina Surface Mining Manual.*

d. The reclamation measures and implementation must comply with the reclamation in accordance with the requirements of the Sedimentation Pollution Control Act.

22 Sediment and erosion control measures shall not be placed in wetlands or waters unless otherwise approved by this Certification. [15A NCAC 02H.0506(b)(3) and (c)(3)]

If you wish to contest any statement in the attached Certification you must file a petition for an administrative hearing. You may obtain the petition form from the office of Administrative hearings. You must file the petition with the office of Administrative Hearings within sixty (60) days of receipt of this notice. A petition is considered filed when it is received in the office of Administrative Hearings during normal office hours. The Office of Administrative Hearings accepts filings Monday through Friday between the hours of 8:00am and 5:00pm, except for official state holidays. The original and one (1) copy of the petition must be filed with the Office of Administrative Hearings.

The petition may be faxed-provided the original and one copy of the document is received by the Office of Administrative Hearings within five (5) business days following the faxed transmission.
The mailing address for the Office of Administrative Hearings is:

Office of Administrative Hearings
6714 Mail Service Center
Raleigh, NC 27699-6714
Telephone: (919) 431-3000, Facsimile: (919) 431-3100

A copy of the petition must also be served on DEQ as follows:

Mr. Bill F. Lane, General Counsel
Department of Environmental Quality
1601 Mail Service Center
Raleigh, NC 27699-1601

This letter completes the review of the Division of Water Resources under Section 401 of the Clean Water Act. If you have any questions, please contact Joanne Steenhuis at (910) 796-7306 or joanne.steenhuis@ncdenr.gov.

Sincerely,

Linda Culpepper, Interim Director
Division of Water Resources

Electronic copy only distribution:
Brad Shaver, US Army Corps of Engineers, Wilmington Field Office
Mason Herndon, Division 3 Environmental Program Supervisor
Joanne Steenhuis, NC Division of Water Resources Wilmington Regional Office
File Copy

ROY COOPER
Governor

MICHAEL S. REGAN
Secretary

LINDA CULPEPPER
Interim Director

Environmental Quality

NCDWR Project No.: _____ **County:** _____

Applicant: _____

Project Name: _____

Date of Issuance of 401 Water Quality Certification: _____

Certificate of Completion

Upon completion of all work approved within the 401 Water Quality Certification or applicable Buffer Rules, and any subsequent modifications, the applicant is required to return this certificate to the 401 Transportation Permitting Unit, North Carolina Division of Water Resources, 1617 Mail Service Center, Raleigh, NC, 27699-1617. This form may be returned to NCDWR by the applicant, the applicant's authorized agent, **or** the project engineer. It is not necessary to send certificates from all of these.

Applicant's Certification

I, _____, hereby state that, to the best of my abilities, due care and diligence was used in the observation of the construction such that the construction was observed to be built within substantial compliance and intent of the 401 Water Quality Certification and Buffer Rules, the approved plans and specifications, and other supporting materials.

Signature: _____ Date: _____

Agent's Certification

I, _____, hereby state that, to the best of my abilities, due care and diligence was used in the observation of the construction such that the construction was observed to be built within substantial compliance and intent of the 401 Water Quality Certification and Buffer Rules, the approved plans and specifications, and other supporting materials.

Signature: _____ Date:_____

Engineer's Certification

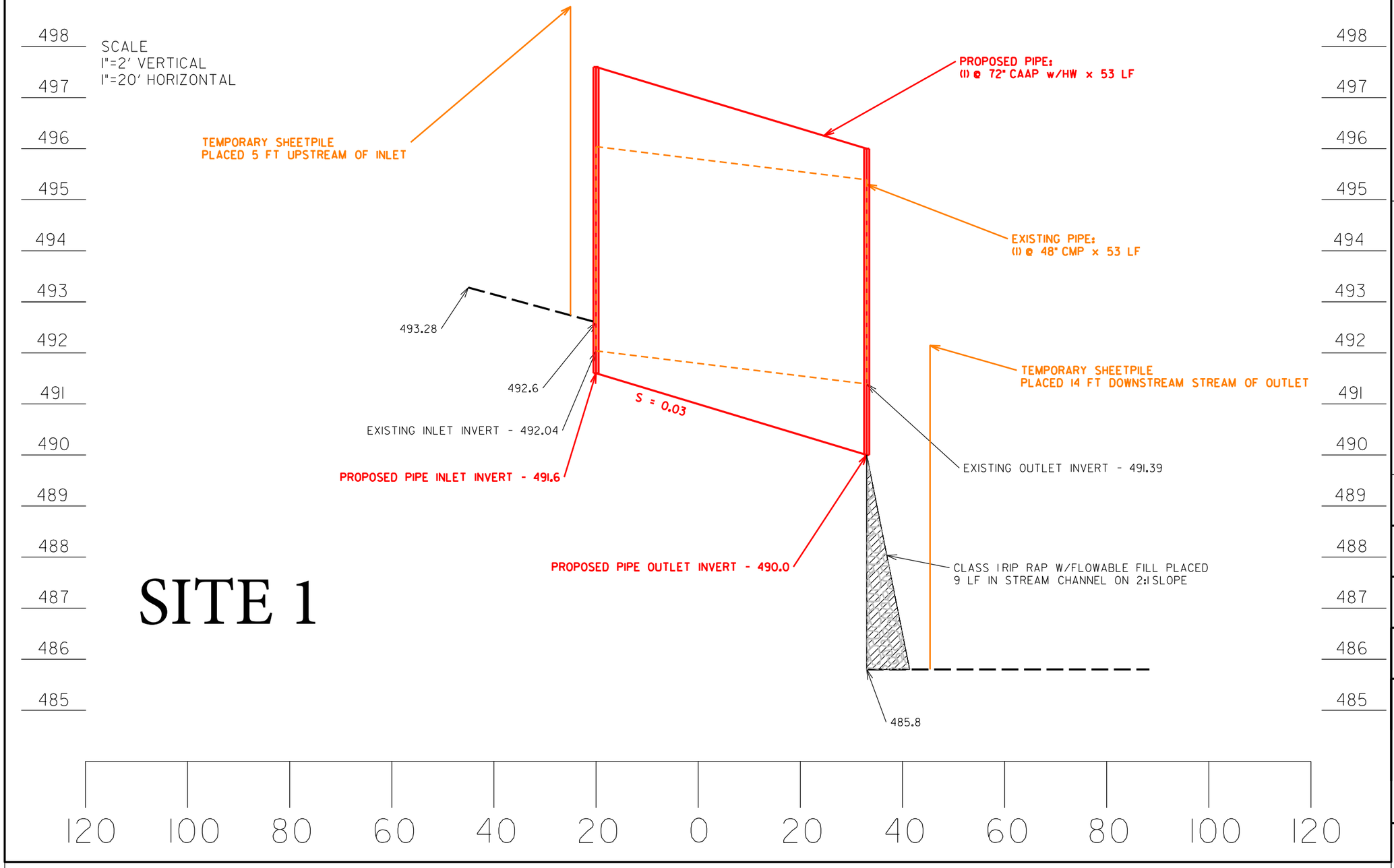
_____ Partial _____ Final

I, _____, as a duly registered Professional Engineer in the State of North Carolina, having been authorized to observe (periodically, weekly, full time) the construction of the project for the Permittee hereby state that, to the best of my abilities, due care and diligence was used in the observation of the construction such that the construction was observed to be built within substantial compliance and intent of the 401 Water Quality Certification and Buffer Rules, the approved plans and specifications, and other supporting materials.

Signature _____ Registration No. _____

Date _____

DUPLIN COUNTY - EAST OF MAGNOLIA
SR 1922 (J B STROUDROAD) 0.1 MILES W OF SR 1923 - STREAM PROFILE



SITE 1

LEGEND

- PROPOSED PIPE
- STREAMBED PROFILE
- EXISTING PIPE
- SHEETPILE
- CLASS I RIP RAP
- FLOWABLE FILL
- FLOW DIRECTION

NOTES: ONE DOWNSTREAM ELEVATION SHOT TAKEN FOR OUTLET INVERT PLACEMENT

DRAWN BY: C. DUSTIN

DATE: 11/09/2018

PREMIT DRAWING: 1 OF 1

CHECKED BY: M. HERNDON

PROJECT DESCRIPTION: REPLACE (1) @ 48" CMP WITH (1) @ 72" CAAP x 53 LF WITH HEADWALL.

COUNTY: DUPLIN

STATE OF NORTH CAROLINA • DEPARTMENT OF TRANSPORTATION •

WETLAND PERMIT IMPACT SUMMARY

			WETLAND IMPACTS					SURFACE WATER IMPACTS				
Site No.	Station (From/To)	Structure Size / Type	Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (lf)	Existing Channel Impacts Temp. (lf)	Bank Stabilization (lf)
1		Rip Rap/Sheetpile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9	10	0
TOTALS*:			0.00	0.00	0.00	0.00	0.00	0.00	0.00	9	10	0

NOTES:

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

November 13, 2018 Duplin
County
SR 1922 JB Stroud Road
WBS # DF15403.2031165

SHEET 1 2 OF 1

North Carolina Department of Transportation
CONTRACT BID FORM: D3POC0087

WBS ELEMENT NO.: DF15403.2031050, DF15403.2031155, DF15403.2031165, DF15403.2031168
COUNTY: DUPLIN
ROUTE NO.: SR 1701, SR 1827, SR 1922, and SR 1953
LOCATION: VARIOUS SR ROUTES
TYPE OF WORK: HURRICANE PIPE REPLACEMENTS

ITEM	ITEM #	SECT	DESCRIPTION	QNTY	UNIT	UNIT PRICE	AMOUNT BID
1	0000100000-N	800	Mobilization	1.00	LS		
2	0043000000-N	226	Grading	1.00	LS		
3	0106000000-E	230	Borrow Excavation	1837.00	CY		
4	0995000000-E	340	Pipe Removal	305.00	LF		
5	1077000000-E	SP	#57 Stone Backfill	1430.00	TON		
6	1121000000-E	520	Aggregate Base Course	2966.00	TON		
7	1330000000-E	607	Incidental Milling	834.00	SY		
8	1503000000-E	610	Apshalt Conc. Intermediate Course, Type I19.0C	91.00	TON		
9	1519000000-E	610	Asphalt Conc. Surface Course, Type S9.5B	63.00	TON		
10	1575000000-E	620	Asphalt Binder for Plant Mix	20.00	TON		

11	2275000000-E	SP	Flowable Fill	10.00	CY		
12	2474000000-N	SP	Pipe and Headwall 1@112" X 75" CAAPA w/HW	1.00	LS		
13	2474000000-N	SP	Pipe and Headwall 1@95" X 67" CAAPA w/HW	1.00	LS		
14	2474000000-N	SP	Pipe and Headwall 1@72" CAAP w/HW	1.00	LS		
15	2474000000-N	SP	Pipe and Headwall 1@87"X63" CAAPA w/HW	1.00	LS		
16	3628000000-E	876	Rip Rap, Class I	80.00	TON		
17	3691000000-N	SP	Dewatering	4.00	EA		
18	4810000000-E	1205	Paint Pavement Marking Lines (4")	4816.00	LF		
19	5872600000-E	1550	Utility Relocation - Directional Drilling of Waterline	150.00	LF		
20	5872600000-E	1550	Utility Relocation - Directional Drilling of Force Sanitary Sewer	150.00	LF		
21	5890000000-N	1510	Utility Relocation - Fire Hydrant	1.00	EA		
22	6000000000-E	1605	Temporary Silt Fence	700.00	LF		
23	6009000000-E	1610	Stone for Erosion Control, Class B	160.00	TON		
24	6036000000-E	1631	Matting For Erosion Control	543.00	SY		
25	6071010000-E	SP	Wattle	160.00	LF		

26	6084000000-E	1660	Seeding & Mulching	2.00	ACRE		
				TOTAL AMOUNT BID			

CONTRACTOR_____

ADDRESS_____

Federal Identification Number_ _____

Contractor's License Number_ _____

Authorized Agent_ _____

Title_____

Signature_____

Date_____

Witness_____

Title_____

Signature_____

Date_____

CORPORATE SEAL

CORPORATE SEAL

Point of Contact for Post-Bid Inquires (e.g., Letters of Intent, Insurance, Bonds, and Contract Execution)

Name_____

Email_____

Phone_____

THIS SECTION TO BE COMPLETED BY NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

This bid has been reviewed in accordance with Article 103-1 of the Standard Specifications for Roads and Structures 2018.

Reviewed by NCDOT_____

Date_____

Accepted by NCDOT_____

Date_____

FLOWABLE FILL:

(9-17-02) (Rev 1-17-12) 300, 340, 1000, 1530, 1540, 1550 SP3 R30

Description

This work consists of all work necessary to place flowable fill in accordance with these provisions, the plans, and as directed.

Materials

Refer to Division 10 of the *2018 Standard Specifications*.

Item	Section
Flowable Fill	1000-6

Construction Methods

Discharge flowable fill material directly from the truck into the space to be filled, or by other approved methods. The mix may be placed full depth or in lifts as site conditions dictate. The Contractor shall provide a method to plug the ends of the existing pipe in order to contain the flowable fill.

Measurement and Payment

At locations where flowable fill is called for on the plans and a pay item for flowable fill is included in the contract, *Flowable Fill* will be measured in cubic yards and paid as the actual number of cubic yards that have been satisfactorily placed and accepted. Such price and payment will be full compensation for all work covered by this provision including, but not limited to, the mix design, furnishing, hauling, placing and containing the flowable fill.

Payment will be made under:

Pay Item	Pay Unit
Flowable Fill	Cubic Yard