



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

June 18, 2012

CONTRACT NO.: DB00077
PROJECT: BD-5102I / 45348.3.9
COUNTY: Jones
ROUTES: SR 1319 (Henderson Rd)
DESCRIPTION: Replace Bridge #75 over Mussel Shell Creek
ADDENDUM NUMBER 1

TO: Prospective Bidders

Please note the following revisions to the contract documents for the above-referenced project. These revisions are necessitated by the change in method of installation of the proposed 6" water line from jack and bore to directional drill. This revision also shifts the let date to June 27, 2012.

- Replace the Contract Proposal Cover, Pages 3, 6, 35, and the Itemized Bid Sheets with the ones herein attached.
- Replace Plan Sheets UC-03 and UC-04 with the ones attached, dated 06-18-2012

The Revised Bid Form must be used for the submitted bid to be valid. Using the original Bid Form will cause your bid to be rejected. The remainder of the proposal document is unaffected. If you should have any questions concerning this addendum, please call me at (252) 439-2807.

Sincerely,

A handwritten signature in black ink, appearing to read "A Bullard".

Aaron Bullard, PE
Division Contract Officer

Attachments

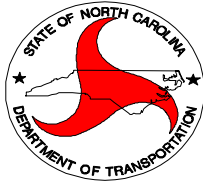
cc: Mr. Ed Eatmon, PE
Mr. Johnny Metcalfe, PE
Ms. Maria Rogerson, PE

MAILING ADDRESS:
DIVISION TWO - OPERATIONS
P.O. BOX 1587
GREENVILLE, NC 27835

TELEPHONE: (252) 439-2800
FAX: (252) 830-3341
WEBSITE: WWW.NCDOT.GOV

LOCATION:
1704 N GREENE ST
GREENVILLE, NC

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION



DIVISION 2

CONTRACT PROPOSAL

CONTRACT: DB00077
TIP NUMBER: BD-5102I
FA NUMBER: BRZ-1319(18)
WBS ELEMENT: 45348.3.9
ROUTE: SR 1319 (Henderson Rd.)
COUNTY: Jones
DESCRIPTION: Replace Bridge # 75 Over Mussel Shell Creek
BID OPENING: Wednesday, **June 27**, 2012

NOTICE:

ALL BIDDERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE BIDDER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD OR SBE PROJECT. BIDDERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA. NOT WITHSTANDING THESE LIMITATIONS ON BIDDING, THE BIDDER WHO IS AWARDED ANY PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF BID OPENING, REGARDLESS OF FUNDING SOURCES.

NAME OF BIDDER

N.C. CONTRACTOR'S LICENSE NUMBER

ADDRESS OF BIDDER

RETURN BIDS TO:

N. C. DEPARTMENT OF TRANSPORTATION
Attn: Aaron Bullard, PE
105 Pictolus Highway
P O Box 1587
Greenville, NC 27835-1587

Per items 11 - 13 of the instructions on page 3

INSTRUCTIONS TO BIDDERS

PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE PREPARING AND SUBMITTING YOUR BID.

All bids shall be prepared and submitted in accordance with the following requirements, except that bids may be prepared by electronic means as described elsewhere in the proposal. Failure to comply with any requirement shall cause the bid to be considered irregular and shall be grounds for rejection of the bid.

1. The bid form furnished by NCDOT with the proposal shall be used and shall not be altered in any manner. **DO NOT SEPARATE THE BID FORM FROM THE PROPOSAL!**
2. All entries on the bid form, including signatures, shall be written in ink.
3. The Bidder shall submit a unit price for every item on the bid form. The unit prices for the various contract items shall be written in figures. *****Unit Prices shall be rounded off by the bidder to contain no more than FOUR decimal places.*****
4. An amount bid shall be entered on the bid form for every item. The amount bid for each item shall be determined by multiplying each unit bid by the quantity for that item, and shall be written in figures in the "Amount Bid" column of the form.
5. The total amount bid shall be written in figures in the proper place on the bid form. The total amount shall be determined by adding the amounts bid for each item.
6. Changes in any entry shall be made by marking through the entry in ink and making the correct entry adjacent thereto in ink. A representative of the Bidder shall initial the change in ink.
7. The bid shall be properly executed. All bids shall show the following information:
 - a. Name of individual, firm, corporation, partnership, or joint venture submitting bid.
 - b. Name and signature of individual or representative submitting bid and position or title.
 - c. Name, signature, and position or title of witness.
 - d. Federal Identification Number (or Social Security Number of Individual)
 - e. Contractor's License Number (if Applicable)
8. Bids submitted by corporations shall bear the seal of the corporation.
9. The bid shall not contain any unauthorized additions, deletions, or conditional bids.
10. The bidder shall not add any provision reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.
11. **THE PROPOSAL WITH THE BID SHEET STILL ATTACHED SHALL BE PLACED IN A SEALED ENVELOPE AND SHALL HAVE BEEN DELIVERED TO AND RECEIVED IN THE DIVISION TWO ENGINEER'S OFFICE AT 105 PACTOLUS HIGHWAY, GREENVILLE, NC 27834 BY 11:00 AM ON WEDNESDAY, JUNE 27, 2012.**
12. The sealed bid must display the following statement on the front of the sealed envelope:

**ATTN: AARON BULLARD, PE
QUOTATION FOR REPLACEMENT OF BRIDGE #75 IN JONES COUNTY
TO BE OPENED AT 11:00 AM, WEDNESDAY, JUNE 27, 2012**

13. If delivered by mail, the sealed envelope shall be placed in another sealed envelope and the outer envelope shall be addressed as follows:

**NC DEPARTMENT OF TRANSPORTATION
ATTN: AARON BULLARD, PE
PO BOX 1587
GREENVILLE, NC 27835-1587**

AWARD OF CONTRACT

The award of the contract, if it be awarded, will be made to the lowest responsible bidder in accordance with Section 102 (excluding 102-10) of the Standard Specifications for Roads and Structures 2012. The lowest responsible bidder will be notified that his bid has been accepted and that he has been awarded the contract. NCDOT reserves the right to reject all bids.

required for Construction contracts greater than \$500,000. The payment bond shall be solely for the protection of persons or firms furnishing materials or performing labor for this contract for which the Contractor is liable.

The successful bidder, within ten (10) days after notice of award, shall provide the Department with a contract payment bond and a contract performance bond each in an amount equal to 100 percent of the amount of the contract.

EXTENSION OF CONTRACT TIME:

Failure on the part of the Contractor to furnish bonds or certifications or to satisfy preliminary requirements necessary to execute the contract will not constitute grounds for extension of the contract time. If the Contractor has fulfilled all preliminary requirements for the contract execution, and the contract has not been executed by the date of availability, the Contractor shall be granted an extension equal to the number of calendar days the contract execution is delayed after the date of availability.

NO MAJOR CONTRACT ITEMS:

(2-19-02) (Rev. 8-21-07) 104 SP1 G31

None of the items included in this contract will be major items.

SPECIALTY ITEMS:

(7-1-95)(Rev. 1-17-12) 108-6 SP1 G37

Items listed below will be the specialty items for this contract (see Article 108-6 of the 2012 Standard Specifications).

Line #	Description
20-23, 55	Utility Construction
26-39	Erosion Control

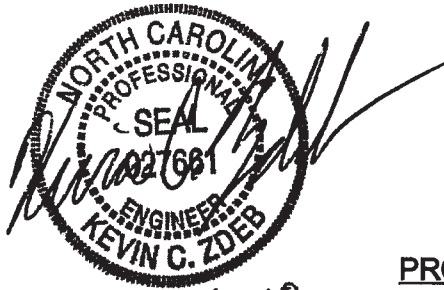
FUEL PRICE ADJUSTMENT:

(11-15-05) (Rev. 1-17-12) 109-8 SP1 G43

Revise the 2012 Standard Specifications as follows:

Page 1-83, Article 109-8, Fuel Price Adjustments, add the following:

The base index price for DIESEL #2 FUEL is \$ **3.3682** per gallon. Where any of the following are included as pay items in the contract, they will be eligible for fuel price adjustment.



2012-06-18

Project: TIP BD-5102I
County: Jones

PROJECT SPECIAL PROVISIONS
Utility Construction

All proposed utility construction shall meet the applicable requirements (including, but not limited to: Division 15; Section 1034; and Section 1036) of the NC Department of Transportation's "Standard Specifications for Roads and Structures" dated January 2012.

Division 15 of the Standard Specifications is revised as follows:

Page 15-1, Paragraph 2 of Article 1500-2

Provide access for Department personnel and the owner's representatives to all phases of construction. Notify Department personnel and the utility owner two weeks before commencement of any work and one week before service interruption. Keep utility owner's representatives informed of work progress and provide opportunity for inspection of construction and testing. *There is one water line on this project that belongs to the utility company listed below with their contact person.*

1. *Jones County Water Department. The contact person for Jones County Water Department is Mr. Mike Houston, and he can be reached by phone at 252-675-2380.*

Any work on these utility lines, especially the operation of any valves, must be coordinated through the Engineer and the utility owner before initiating said work.

Page 15-2, Paragraph 3 of Article 1500-7

Provide As-Built plans of the installed utility. The plans shall include notations of the size and type of material installed, coordinates of utility controls, and horizontal and vertical locations of the piping. Provide 2 copies to the Utility Owner and 2 copies to the Engineer. *Provide the Utility Owner with 2 copies of surveyed As-Builts of the utility system constructed.*

Page 15-7, Line 18 of Article 1515-2, add the following sentence to the end of the line.

Jones County shall provide the gate valves and valve boxes to the contractor for installation.

Division 10 of the Standard Specifications is revised as follows:

Page 10-58, Article 1036-3-A-2 under Pressure Class Pipe

For trenchless installations, use fusible PVC pipe that is extruded with plain ends conforming to cell classification 12454 per ASTM D 1784 with a minimum DR of 18 and a minimum pressure rating of 235 psi. Fusible PVC pipe lengths shall be assembled in the field with butt-fused joints. The ends of the fusible PVC pipe shall be square to the pipe and free of any bevel or chamfer. There shall be no bell or gasket of any kind incorporated into the fusible PVC pipe.

County : Jones

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
ROADWAY ITEMS						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	0000400000-N	801	CONSTRUCTION SURVEYING	Lump Sum	L.S.	
0003	0029000000-N	SP	REINFORCED BRIDGE APPROACH FILL, STATION ***** (13+79)	Lump Sum	L.S.	
0004	0043000000-N	226	GRADING	Lump Sum	L.S.	
0005	0582000000-E	310	15" CS PIPE CULVERTS, 0.064" THICK	20 LF		
0006	0636000000-E	310	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")	2 EA		
0007	1330000000-E	607	INCIDENTAL MILLING	110 SY		
0008	1489000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0B	190 TON		
0009	1498000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	120 TON		
0010	1519000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	210 TON		
0011	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	30 TON		
0012	2286000000-N	840	MASONRY DRAINAGE STRUCTURES	1 EA		
0013	2352000000-N	840	FRAME WITH GRATE, STD 840.**** (840.20)	1 EA		
0014	2556000000-E	846	SHOULDER BERM GUTTER	25 LF		
0015	3030000000-E	862	STEEL BM GUARDRAIL	25 LF		
0016	3150000000-N	862	ADDITIONAL GUARDRAIL POSTS	5 EA		
0017	3215000000-N	862	GUARDRAIL ANCHOR UNITS, TYPE III	4 EA		
0018	3270000000-N	SP	GUARDRAIL ANCHOR UNITS, TYPE 350	4 EA		

County : Jones

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0019	3649000000-E	876	RIP RAP, CLASS B	1 TON		
0020	5325600000-E	1510	6" WATER LINE	122 LF		
0021	5540000000-E	1515	6" VALVE	2 EA		
0022	5649000000-N	1515	RECONNECT WATER METER	1 EA		
0023	5800000000-E	1530	ABANDON 6" UTILITY PIPE	424 LF		
0026	6000000000-E	1605	TEMPORARY SILT FENCE	885 LF		
0027	6012000000-E	1610	SEDIMENT CONTROL STONE	3 TON		
0028	6015000000-E	1615	TEMPORARY MULCHING	0.5 ACR		
0029	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	50 LB		
0030	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEED- ING	0.025 TON		
0031	6029000000-E	SP	SAFETY FENCE	575 LF		
0032	6036000000-E	1631	MATTING FOR EROSION CONTROL	8 SY		
0033	6042000000-E	1632	1/4" HARDWARE CLOTH	32 LF		
0034	6071012000-E	SP	COIR FIBER WATTLE	30 LF		
0035	6084000000-E	1660	SEEDING & MULCHING	0.35 ACR		
0036	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	0.25 TON		
0037	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	10 LB		
0038	6108000000-E	1665	FERTILIZER TOPDRESSING	1 TON		
0039	6117000000-N	SP	RESPONSE FOR EROSION CONTROL	4 EA		

County : Jones

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0055	5871400000-E	1550	TRENCHLESS INSTALLATION OF 6" IN SOIL	308 LF		

STRUCTURE ITEMS						

0040	8035000000-N	402	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (13+79)	Lump Sum	L.S.	

0041	8112730000-N	450	PDA TESTING	1 EA		

0042	8121000000-N	412	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (13+79)	Lump Sum	L.S.	

0043	8182000000-E	420	CLASS A CONCRETE (BRIDGE)	48.2 CY		

0044	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (13+79)	Lump Sum	L.S.	

0045	8217000000-E	425	REINFORCING STEEL (BRIDGE)	8,282 LB		

0046	8364000000-E	450	HP12X53 STEEL PILES	400 LF		

0047	8384200000-E	450	HP14X73 GALVANIZED STEEL PILES	980 LF		

0048	8391000000-N	450	STEEL PILE POINTS	24 EA		

0049	8393000000-N	450	PILE REDRIVES	14 EA		

0050	8505000000-E	460	VERTICAL CONCRETE BARRIER RAIL	180.75 LF		

0051	8608000000-E	876	RIP RAP CLASS II (2'-0" THICK)	294 TON		

0052	8622000000-E	876	GEOTEXTILE FOR DRAINAGE	327 SY		

0053	8657000000-N	430	ELASTOMERIC BEARINGS	Lump Sum	L.S.	

County : Jones

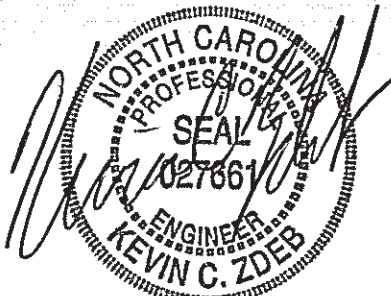

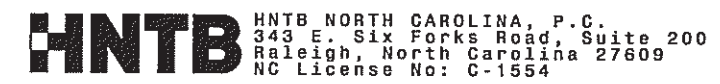
Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0054	8762000000-E	430	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS	900 LF		

1555/Jun18/Q14663.075/D270701442000/E53

Total Amount Of Bid For Entire Project :

8/17/12

REVISIONS

PROJECT REFERENCE NO. BD-5102I	SHEET NO. UC-03
UTILITY DESIGN ENGINEER  2012-06-18	
 MA Engineering CONSULTANTS, INC. 598 East Chatham Street Suite 137 Cary, NC 27511 Phone: 919.297.0220 Fax: 919.297.0221	
 <small>HNTB NORTH CAROLINA, P.C. 343 E. Six Forks Road, Suite 200 Raleigh, North Carolina 27609 NC License No: C-1554</small>	
DATE: JUNE 18, 2012	

GENERAL NOTES:

1. THE LOCATION, SIZE, AND MATERIAL TYPE OF THE EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN OBTAINED FROM THE BEST AVAILABLE DATA AT THE TIME. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, ELEVATION, SIZE, DIRECTION, AND MATERIAL TYPE OF ALL EXISTING UTILITIES PRIOR TO ORDERING HIS MATERIALS.
2. CONTRACTOR SHALL NOTIFY NC ONE-CALL AT 1-800-632-4949 PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY SUCH THAT ALL EXISTING UTILITIES CAN BE MARKED. FURTHERMORE, THE CONTRACTOR SHALL MAKE EVERY EFFORT TO CONTACT ANY UTILITY OWNERS THAT ARE NOT MEMBERS OF NC ONE-CALL AND HAVE FACILITIES RESIDING WITHIN THE PROJECT LIMITS.
3. THE EXISTING WATER FACILITIES ARE TO REMAIN IN PLACE AND FUNCTIONING UNTIL NEW FACILITIES ARE CERTIFIED AS COMPLETE BY THE NCDOT RESIDENT ENGINEER.
4. ALL WATER IMPROVEMENTS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND STANDARD DRAWINGS OF THE NCDOT, DATED JANUARY 2012.
5. WATER AND IMPROVEMENTS SHALL BE CONSTRUCTED BY A NC LICENSED UTILITY CONTRACTOR.
6. CONTRACTOR SHALL NOTIFY THE UTILITY OWNER 7 BUSINESS DAYS IN ADVANCE OF PERFORMING ANY TIE-IN WORK. CONTRACTOR SHALL NOTIFY ALL AFFECTED CUSTOMERS 24 HOURS IN ADVANCE OF SERVICE INTERRUPTIONS. CONTRACTOR SHALL NOTIFY ALL AFFECTED CRITICAL FACILITIES (I.E., CORRECTIONAL FACILITY, HOSPITAL, SCHOOLS, MEDICAL FACILITIES, DAY CARE CENTERS, ETC.) 72 HOURS IN ADVANCE OF SERVICE INTERRUPTION.
7. CONTRACTOR SHALL NOT OPERATE ANY VALVES ON THE EXISTING WATER SYSTEM. CONTRACTOR SHALL CONTACT JONES COUNTY TO CONDUCT STRATEGIC OPERATION OF WATER VALVES FOR SERVICE INTERRUPTION IN ORDER TO PERFORM SPECIFIC TIE-IN OPERATIONS.

WATER LINE NOTES:

1. ALL WATER LINE PIPE FOR OPEN TRENCH CONSTRUCTION SHALL BE PVC SDR-21 AND INSTALLED WITH JOINT RESTRAINTS.
2. ALL WATER LINE PIPE FOR TRENCHLESS CONSTRUCTION SHALL BE FUSIBLE PVC C900 SDR-18.
3. ALL WATER LINE FITTINGS, 4-INCHES THROUGH 12-INCHES IN DIAMETER, SHALL BE DUCTILE IRON PIPE (CLASS 350).
4. ANY BENDS OF PVC WATER PIPE NOT SPECIFICALLY CALLED OUT WITH A 90, 45, 22.5, OR 11.25 DEGREE BEND FITTING, SHALL BE CONSTRUCTED BY A RADIAL BEND OF THE PIPE AS NOTED ON THE PLANS OR IN ACCORDANCE WITH THE PIPE MANUFACTURER'S SPECIFICATIONS (WHICHEVER IS MORE STRINGENT) - OR A COMBINATION OF BEND FITTINGS AND A RADIAL BEND OF THE PIPE. DEFLECTION OF PIPE JOINTS ON PVC PIPE MATERIAL IS NOT AN ACCEPTABLE METHOD OF PIPE BENDING.
5. ALL FITTINGS (BENDS, TEES, CROSSES, REDUCERS, PLUGS, ETC.) SHALL BE ADEQUATELY RESTRAINED BY THE USE OF RESTRAINED JOINT CONSTRUCTION AND /OR CAST IN PLACE CONCRETE THRUST RESTRAINTS AS DETAILED ON THESE DRAWINGS, OR AS DIRECTED BY THE RESIDENT ENGINEER.
6. THE EXISTING 6" LINE SHALL BE RESTRAINED ON THE PORTION TO REMAIN AFTER VALVE INSTALLATION. THE CONTRACTOR SHALL EXCAVATE THE EXISTING PVC LINE AND INSTALL THE BELL RESTRAINT CLAMPS AT EVERY BELL JOINT FOR THE DISTANCE NOTED IN THE TABLE ON SHEET UC-6.
7. ALL PIPE ELEVATIONS MEASURED TO CENTER OF PIPE.
8. THE DRILL PATH SHALL BE BACKREAMED WITH A 8" BOREHOLE WHEN PIPE IS PULLED THROUGH.

UTILITY OWNERS ON THIS PROJECT:

1. JONES COUNTY
UTILITY: 6" WATER LINE
CONTACT: MIKE HOUSTON
PHONE: 252-675-2380



MA Engineering CONSULTANTS, INC.
 598 East Chatham Street Suite 137 Cary, NC 27511
 Phone: 919.297.0220 Fax: 919.297.0221

HNTB HNTB NORTH CAROLINA, P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 NC License No. C-1554

DATE: JUNE 18, 2012

UTILITY OWNERS ON THIS PROJECT:

1. JONES COUNTY
 UTILITY: 6" WATER LINE
 CONTACT: MIKE HOUSTON
 PHONE: 252-675-2380

SCALE:
 1" = 30' PLAN
 1" = 30' HORIZ. PFL
 1" = 10' VERT. PFL

PROP. 308 LF TRENCHLESS INSTALLATION OF 6" PIPE IN SOIL

PROP. 424 LF OF ABANDON 6" UTILITY PIPE

BEGIN TRENCHLESS INSTALLATION
 PROP. 11.25° VERTICAL BEND
 WL STA 0+60.8
 -L- STA 12+20.4 LT 24.8'

WL STA 0+60.8 TO
 WL STA 1+61.8
 HORIZONTAL
 RADIUS = 849.3'

END TRENCHLESS INSTALLATION
 PROP. 11.25° VERTICAL BEND
 WL STA 3+68.0
 -L- STA 15+33.8 LT 24.5'

PROP. 61 LF OF 6" WATER LINE
 PROP. 1 EA 6" VALVE
 PROP. 1 EA RECONNECT WATER METER

PROP. 61 LF OF 6" WATER LINE
 PROP. 1 EA 6" VALVE

BEGIN WATER LINE
 PROP. 6" GATE VALVE
 WL STA 0+00.0
 -L- STA 11+62.9 LT 15.7'

END WATER LINE
 PROP. 6" GATE VALVE
 WL STA 4+28.5
 -L- STA 15+90.3 LT 15.7'

PROP. 45° HORIZ. BEND
 WL STA 0+05.0
 -L- STA 11+68.0 LT 15.7'

PROP. 45° HORIZ. BEND
 WL STA 4+23.5
 -L- STA 15+85.3 LT 15.7'

PROP. 45° HORIZ. BEND
 WL STA 0+15.9
 -L- STA 11+74.0 LT 25.0'

PROP. 45° HORIZ. BEND
 WL STA 4+12.2
 -L- STA 15+78.2 LT 24.5'

- NOTES:
- JONES COUNTY SHALL PROVIDE THE GATE VALVES AND VALVE BOXES TO THE CONTRACTOR FOR INSTALLATION UNDER THIS WORK
 - INSTALL WATER LINE 5 FEET FROM R/W LINE, TYPICAL.
 - INSTALL WATER LINE WITH 3 FEET MINIMUM COVER TO FINAL GRADE.
 - PIPE FOR TRENCHLESS INSTALLATION SHALL BE 6" FUSIBLE PVC C-900 SDR-18.
 - ALL PIPE FOR OPEN TRENCH CONSTRUCTION SHALL BE PVC SDR-21 AND INSTALLED WITH JOINT RESTRAINTS.
 - THE EXISTING 6" LINE SHALL BE RESTRAINED ON THE PORTION TO REMAIN AFTER VALVE INSTALLATION. THE CONTRACTOR SHALL EXCAVATE THE EXISTING PVC LINE AND INSTALL THE BELL RESTRAINT CLAMPS AT EVERY BELL JOINT FOR THE DISTANCE NOTED IN THE TABLE ON SHEET UC-6.

