



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

J.R. "JOEY" HOPKINS  
SECRETARY

July 03, 2024

**Addendum No. 2**

RE: Contract # C204884

WBS # 49623.3.1

STATE FUNDED

**Haywood County (HB-0003)**

I-40 FROM 0.348 MILES WEST OF SR-1550 (INCINERATOR RD) TO 0.345 MILES EAST OF SR-1550 (INCINERATOR RD).

**July 16, 2024 Letting**

To Whom It May Concern:

Reference is made to the plans and proposal furnished to you on this project.

The following revisions have been made to the Utility Construction plans.

Sheet No.	Revision
UC-3	Note 4 under Project Specific Notes has been removed
UC-4, UC-5 and UC-6	Added pay items and call-outs for <i>Communication Cable (12-Fiber)</i> and <i>Remove Existing Communication Cable</i>

Please void the above listed existing Sheets in your proposal and staple the revised Sheets thereto.

The following revisions have been made to the proposal.

Page No.	Revision
Proposal Cover	Note added that reads "Includes Addendum No. 1 Dated 07-03-2024".

Please void the above listed Page in your proposal and staple the revised Page thereto.

On the item sheets the following pay item revisions have been made:


<u>Item</u>	<u>Description</u>	<u>Old Quantity</u>	<u>New Quantity</u>
0179-751600000-E 1730	COMMUNICATIONS CABLE (12 FIBER)	NEW ITEM	3,770 LF
0180-7575160000-E 1734	REMOVE EXISTING COMMUNICATIONS CABLE	NEW ITEM	3,060 LF

The Contractor's bid must include these pay item revisions.

The electronic bidding file has been updated to reflect these revisions. Please download the Addendum File and follow the instructions for applying the addendum. Bid Express will not accept your bid unless the addendum has been applied.

The contract will be prepared accordingly.

Sincerely,

DocuSigned by:  
  
52C46046381F443...

Ronald E. Davenport, Jr., PE  
State Contract Officer

RED/jjr  
Attachments

cc: Mr. Wiley W. Jones III, PE  
Ms. Wanda H. Payne, PE  
Mr. Ken Kennedy, PE  
Mr. Malcolm Bell

Mr. Forrest Dungan, PE  
Ms. Jaci Kincaid  
Mr. Jon Weathersbee, PE  
Project File (2)

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH, N.C.

PROPOSAL

**INCLUDES ADDENDUM No. 2 DATED 07-03-2024**

DATE AND TIME OF BID OPENING: **Jul 16, 2024 AT 02:00 PM**

CONTRACT ID        C204884  
WBS                    49623.3.1

FEDERAL-AID NO.    STATE FUNDED  
COUNTY             HAYWOOD  
T.I.P NO.            HB-0003  
MILES                 0.693  
ROUTE NO.           I-40  
LOCATION               I-40 FROM 0.348 MILES WEST OF SR-1550 (INCINERATOR RD) TO 0.345  
                             MILES EAST OF SR-1550 (INCINERATOR RD).

TYPE OF WORK       GRADING, DRAINAGE, PAVING, AND STRUCTURES.

**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. 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. NOTWITHSTANDING THESE LIMITATIONS ON BIDDING, THE BIDDER WHO IS AWARDED ANY FEDERAL - AID FUNDED PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF BID OPENING.

**BIDS WILL BE RECEIVED AS SHOWN BELOW:**

**THIS IS A ROADWAY & CULVERT PROPOSAL**

**5% BID BOND OR BID DEPOSIT REQUIRED**

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County: HAYWOOD

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
<b>ROADWAY ITEMS</b>						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	0000400000-N	801	CONSTRUCTION SURVEYING	Lump Sum	L.S.	
0003	0001000000-E	200	CLEARING & GRUBBING .. ACRE(S)	Lump Sum	L.S.	
0004	0008000000-E	200	SUPPLEMENTARY CLEARING & GRUBBING	1 ACR		
0005	0022000000-E	225	UNCLASSIFIED EXCAVATION	87,000 CY		
0006	0036000000-E	225	UNDERCUT EXCAVATION	450 CY		
0007	0106000000-E	230	BORROW EXCAVATION	42,000 CY		
0008	0127000000-N	235	EMBANKMENT SETTLEMENT GAUGES	8 EA		
0009	0134000000-E	240	DRAINAGE DITCH EXCAVATION	800 CY		
0010	0156000000-E	250	REMOVAL OF EXISTING ASPHALT PAVEMENT	14,500 SY		
0011	0195000000-E	265	SELECT GRANULAR MATERIAL	400 CY		
0012	0196000000-E	270	GEOTEXTILE FOR SOIL STABILIZATION	700 SY		
0013	0199000000-E	SP	TEMPORARY SHORING	2,000 SF		
0014	0318000000-E	300	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	370 TON		
0015	0321000000-E	300	FOUNDATION CONDITIONING GEOTEXTILE	1,160 SY		
0016	0342000000-E	310	*** SIDE DRAIN PIPE (30")	180 LF		
0017	0343000000-E	310	15" SIDE DRAIN PIPE	736 LF		

County: HAYWOOD

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0018	0345000000-E	310	24" SIDE DRAIN PIPE	112 LF		
0019	0348000000-E	310	*** SIDE DRAIN PIPE ELBOWS (15")	16 EA		
0020	0348000000-E	310	*** SIDE DRAIN PIPE ELBOWS (24")	2 EA		
0021	0348000000-E	310	*** SIDE DRAIN PIPE ELBOWS (30")	2 EA		
0022	0384000000-E	310	30" RC PIPE CULVERTS, CLASS III	52 LF		
0023	0448200000-E	310	15" RC PIPE CULVERTS, CLASS IV	1,176 LF		
0024	0448400000-E	310	24" RC PIPE CULVERTS, CLASS IV	568 LF		
0025	0570000000-E	310	6" CS PIPE CULVERTS, 0.064" THICK (SPRING BOX)	128 LF		
0026	0594000000-E	310	24" CS PIPE CULVERTS, 0.064" THICK	8 LF		
0027	0636000000-E	310	*** CS PIPE ELBOWS, ***** THICK (6", 0.064")	2 EA		
0028	0973100000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (15", 0.250")	72 LF		
0029	0973300000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (15", 0.250")	72 LF		
0030	0995000000-E	340	PIPE REMOVAL	396 LF		
0031	1011000000-N	500	FINE GRADING	Lump Sum	L.S.	
0032	1099500000-E	505	SHALLOW UNDERCUT	100 CY		
0033	1099700000-E	505	CLASS IV SUBGRADE STABILIZATION	200 TON		
0034	1112000000-E	505	GEOTEXTILE FOR SUBGRADE STABILIZATION	400 SY		

County: HAYWOOD

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0035	1121000000-E	520	AGGREGATE BASE COURSE	6,600 TON		
0036	1220000000-E	545	INCIDENTAL STONE BASE	100 TON		
0037	1297000000-E	607	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")	3,900 SY		
0038	1297000000-E	607	MILLING ASPHALT PAVEMENT, **** DEPTH (2-1/4")	17,000 SY		
0039	1330000000-E	607	INCIDENTAL MILLING	1,300 SY		
0040	1491000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0C	18,100 TON		
0041	1503000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	7,900 TON		
0042	1523000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	700 TON		
0043	1524200000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5D	6,800 TON		
0044	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	1,240 TON		
0045	1577000000-E	620	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	440 TON		
0046	1662000000-E	650	OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MODIFIED	800 TON		
0047	1693000000-E	654	ASPHALT PLANT MIX, PAVEMENT REPAIR	100 TON		
0048	1840000000-E	665	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)	14,700 LF		
0049	2000000000-N	806	RIGHT-OF-WAY MARKERS	5 EA		
0050	2022000000-E	815	SUBDRAIN EXCAVATION	44.8 CY		
0051	2026000000-E	815	GEOTEXTILE FOR SUBSURFACE DRAINS	200 SY		

County: HAYWOOD

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0052	2036000000-E	815	SUBDRAIN COARSE AGGREGATE	33.6 CY		
0053	2044000000-E	815	6" PERFORATED SUBDRAIN PIPE	200 LF		
0054	2070000000-N	815	SUBDRAIN PIPE OUTLET	1 EA		
0055	2077000000-E	815	6" OUTLET PIPE	6 LF		
0056	2209000000-E	838	ENDWALLS	1.4 CY		
0057	2253000000-E	840	PIPE COLLARS	1,608 CY		
0058	2275000000-E	SP	FLOWABLE FILL	53 CY		
0059	2286000000-N	840	MASONRY DRAINAGE STRUCTURES	48 EA		
0060	2308000000-E	840	MASONRY DRAINAGE STRUCTURES	16.4 LF		
0061	2364200000-N	840	FRAME WITH TWO GRATES, STD 840.20	8 EA		
0062	2365000000-N	840	FRAME WITH TWO GRATES, STD 840.22	2 EA		
0063	2396000000-N	840	FRAME WITH COVER, STD 840.54	2 EA		
0064	2407000000-N	840	STEEL FRAME WITH TWO GRATES, STD 840.37	32 EA		
0065	2472000000-N	840	GENERIC DRAINAGE ITEM FRAME WITH COVER, STD 840.55.	2 EA		
0066	2556000000-E	846	SHOULDER BERM GUTTER	1,700 LF		
0067	2619000000-E	850	4" CONCRETE PAVED DITCH	120 SY		
0068	2710000000-N	854	CONCRETE BARRIER TRANSITION SECTION	2 EA		

County: HAYWOOD

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0069	2717000000-E	854	VARIABLE HEIGHT CONCRETE BARRIER, TYPE ***** (SINGLE SLOPE, 2'-7" MAX BIFURCATION)	3,000 LF		
0070	2724000000-E	857	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	360 LF		
0071	3030000000-E	862	STEEL BEAM GUARDRAIL	5,000 LF		
0072	3150000000-N	862	ADDITIONAL GUARDRAIL POSTS	10 EA		
0073	3210000000-N	862	GUARDRAIL END UNITS, TYPE CAT-1	4 EA		
0074	3287000000-N	862	GUARDRAIL END UNITS, TYPE TL-3	6 EA		
0075	3288000000-N	862	GUARDRAIL END UNITS, TYPE TL-2	4 EA		
0076	3317000000-N	862	GUARDRAIL ANCHOR UNITS, TYPE B-77	4 EA		
0077	3360000000-E	863	REMOVE EXISTING GUARDRAIL	3,700 LF		
0078	3503000000-E	866	WOVEN WIRE FENCE, 47" FABRIC	3,000 LF		
0079	3509000000-E	866	4" TIMBER FENCE POSTS, 7'-6" LONG	170 EA		
0080	3515000000-E	866	5" TIMBER FENCE POSTS, 8'-0" LONG	75 EA		
0081	3565000000-E	866	DOUBLE GATES, *** HIGH, *** WIDE, *** OPENING (40", 12', 24')	1 EA		
0082	3628000000-E	876	RIP RAP, CLASS I	360 TON		
0083	3635000000-E	876	RIP RAP, CLASS II	40 TON		
0084	3649000000-E	876	RIP RAP, CLASS B	220 TON		
0085	3656000000-E	876	GEOTEXTILE FOR DRAINAGE	2,228 SY		



County: HAYWOOD

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0086	4048000000-E	902	REINFORCED CONCRETE SIGN FOUNDATIONS	4 CY		
0087	4066000000-E	903	SUPPORTS, SIMPLE STEEL BEAM	2,696 LB		
0088	4072000000-E	903	SUPPORTS, 3-LB STEEL U-CHANNEL	350 LF		
0089	4102000000-N	904	SIGN ERECTION, TYPE E	16 EA		
0090	4108000000-N	904	SIGN ERECTION, TYPE F	1 EA		
0091	4110000000-N	904	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)	2 EA		
0092	4110000000-N	904	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)	2 EA		
0093	4114000000-N	904	SIGN ERECTION, MILEMARKERS	2 EA		
0094	4116100000-N	904	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (D)	3 EA		
0095	4152000000-N	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	2 EA		
0096	4155000000-N	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	4 EA		
0097	4192000000-N	907	DISPOSAL OF SUPPORT, U-CHANNEL	6 EA		
0098	4400000000-E	1110	WORK ZONE SIGNS (STATIONARY)	340 SF		
0099	4402000000-E	SP	HIGH VISIBILITY STATIONARY SIGNS	110 SF		
0100	4407000000-E	SP	HIGH VISIBILITY PORTABLE SIGNS	210 SF		
0101	4410000000-E	1110	WORK ZONE SIGNS (BARRICADE MOUNTED)	160 SF		
0102	4415000000-N	1115	FLASHING ARROW BOARD	2 EA		

County: HAYWOOD

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0103	4420000000-N	1120	PORTABLE CHANGEABLE MESSAGE SIGN	2 EA		
0104	4432000000-N	SP	HIGH VISIBILITY DRUMS	200 EA		
0105	4434000000-N	1140	SEQUENTIAL FLASHING WARNING LIGHTS	18 EA		
0106	4445000000-E	1145	BARRICADES (TYPE III)	88 LF		
0107	4465000000-N	1160	TEMPORARY CRASH CUSHIONS	2 EA		
0108	4470000000-N	1160	REMOVE & RESET TEMPORARY CRASH CUSHION	2 EA		
0109	4480000000-N	1165	TMA	2 EA		
0110	4490000000-E	1170	PORTABLE CONCRETE BARRIER (ANCHORED)	9,240 LF		
0111	4505000000-E	1170	REMOVE & RESET PORTABLE CONCRETE BARRIER (ANCHORED)	6,700 LF		
0112	4570000000-E	SP	TEMPORARY GLARE SCREEN	2,920 LF		
0113	4589000000-N	SP	GENERIC TRAFFIC CONTROL ITEM DYNAMIC ZIPPER MERGE SYSTEM DEPLOYMENT	Lump Sum	L.S.	
0114	4600000000-N	SP	GENERIC TRAFFIC CONTROL ITEM CONNECTED LANE CLOSURE SYSTEM	1 EA		
0115	4600000000-N	SP	GENERIC TRAFFIC CONTROL ITEM DYNAMIC ZIPPER MERGE SYSTEM RELOCATION	2 EA		
0116	4609000000-N	SP	GENERIC TRAFFIC CONTROL ITEM DYNAMIC ZIPPER MERGE SYSTEM	15 DAY		
0117	4650000000-N	1251	TEMPORARY RAISED PAVEMENT MARKERS	340 EA		
0118	4685000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	4,100 LF		
0119	4688000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	14,600 LF		

County: HAYWOOD

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0120	4709000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	40 LF		
0121	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	5,960 LF		
0122	4847500000-E	SP	WORK ZONE PERFORMANCE PAVEMENT MARKING LINES, 6"	28,450 LF		
0123	4850000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (4")	9,900 LF		
0124	4855000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (6")	3,900 LF		
0125	4905100000-N	1253	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER	80 EA		
0126	5255000000-N	1413	PORTABLE LIGHTING	Lump Sum	L.S.	
0127	5709300000-E	1520	6" FORCE MAIN SEWER	296 LF		
0128	5769000000-E	1520	DUCTILE IRON SEWER PIPE FITTINGS	375 LB		
0129	5800000000-E	1530	ABANDON 6" UTILITY PIPE	300 LF		
0130	5912000000-N	SP	GENERIC UTILITY ITEM MODIFY EXISTING UTILITY MANHOLE	Lump Sum	L.S.	
0131	6000000000-E	1605	TEMPORARY SILT FENCE	11,600 LF		
0132	6006000000-E	1610	STONE FOR EROSION CONTROL, CLASS A	350 TON		
0133	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	2,880 TON		
0134	6012000000-E	1610	SEDIMENT CONTROL STONE	1,430 TON		
0135	6015000000-E	1615	TEMPORARY MULCHING	27 ACR		
0136	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	1,100 LB		

County: HAYWOOD

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0137	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEEDING	5.5 TON		
0138	6024000000-E	1622	TEMPORARY SLOPE DRAINS	875 LF		
0139	6029000000-E	SP	SAFETY FENCE	440 LF		
0140	6030000000-E	1630	SILT EXCAVATION	4,990 CY		
0141	6036000000-E	1631	MATTING FOR EROSION CONTROL	19,550 SY		
0142	6037000000-E	1629	COIR FIBER MAT	100 SY		
0143	6042000000-E	1632	1/4" HARDWARE CLOTH	2,855 LF		
0144	6070000000-N	1639	SPECIAL STILLING BASINS	2 EA		
0145	6071002000-E	1642	FLOCCULANT	1,760 LB		
0146	6071012000-E	1642	COIR FIBER WATTLE	1,130 LF		
0147	6071030000-E	1640	COIR FIBER BAFFLE	85 LF		
0148	6084000000-E	1660	SEEDING & MULCHING	15 ACR		
0149	6087000000-E	1660	MOWING	18 ACR		
0150	6090000000-E	1661	SEED FOR REPAIR SEEDING	300 LB		
0151	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	0.75 TON		
0152	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	375 LB		
0153	6108000000-E	1665	FERTILIZER TOPDRESSING	11 TON		

County: HAYWOOD

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0154	6111000000-E	SP	IMPERVIOUS DIKE	230 LF		
0155	6114500000-N	1667	SPECIALIZED HAND MOWING	10 MHR		
0156	6114800000-N	SP	MANUAL LITTER REMOVAL	10 MHR		
0157	6114900000-E	SP	LITTER DISPOSAL	2 TON		
0158	6117000000-N	1675	RESPONSE FOR EROSION CONTROL	150 EA		
0159	6117500000-N	SP	CONCRETE WASHOUT STRUCTURE	4 EA		
0160	6120000000-E	SP	CULVERT DIVERSION CHANNEL	50 CY		
0161	6123000000-E	1670	REFORESTATION	3 ACR		
0162	7279000000-E	1715	TRACER WIRE	3,279 LF		
0163	7300000000-E	1715	UNPAVED TRENCHING (***** (2, 2"))	100 LF		
0164	7301000000-E	1715	DIRECTIONAL DRILL (***** (2, 2"))	3,179 LF		
0165	7348000000-N	1716	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)	6 EA		
0179	7516000000-E	1730	COMMUNICATIONS CABLE (** FIBER) (12)	3,770 LF		
0180	7575160000-E	1734	REMOVE EXISTING COMMUNICATIONS CABLE	3,060 LF		
<b>CULVERT ITEMS</b>						
0166	8035000000-N	402	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (189+78.72 -L-)	Lump Sum	L.S.	
0167	8065000000-N	SP	ASBESTOS ASSESSMENT	Lump Sum	L.S.	

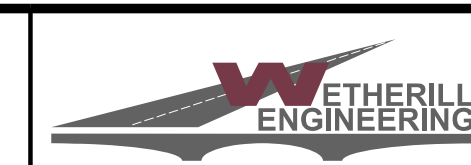
County: HAYWOOD

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0168	8121000000-N	412	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (189+78.72 -L-)	Lump Sum	L.S.	
0169	8130000000-N	414	BOX CULVERT EXCAVATION, STA ***** (188+14.00 -L-)	Lump Sum	L.S.	
0170	8133000000-E	414	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT	150 TON		
0171	8196000000-E	420	CLASS A CONCRETE (CULVERT)	355.7 CY		
0172	8245000000-E	425	REINFORCING STEEL (CULVERT)	49,810 LB		
0173	8804000000-N	SP	GENERIC CULVERT ITEM CAST-IN-PLACE REINFORCED FOOTING FOR PRECAST CULVERT	Lump Sum	L.S.	
0174	8804000000-N	SP	GENERIC CULVERT ITEM PRECAST REINFORCED CONCRETE THREE SIDED CULVERT AT STA 189+78.72 -L-	Lump Sum	L.S.	
<b>WALL ITEMS</b>						
0175	8801000000-E	SP	MSE RETAINING WALL NO **** (1)	693.3 SF		
0176	8801000000-E	SP	MSE RETAINING WALL NO **** (2)	984.5 SF		
0177	8801000000-E	SP	MSE RETAINING WALL NO **** (3)	345.7 SF		
0178	8801000000-E	SP	MSE RETAINING WALL NO **** (4)	573.7 SF		

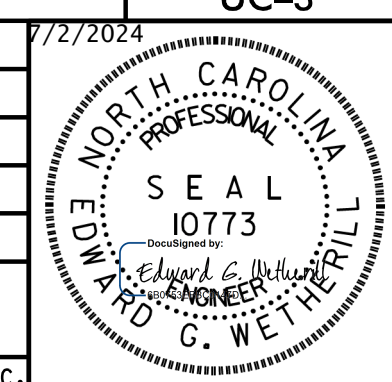
1430/Jul02/Q462079.458/D685171004000/E180

Total Amount Of Bid For Entire Project :

# UTILITY CONSTRUCTION


 1223 Jones Franklin Rd.  
 Raleigh, N.C. 27606  
 License No. F-0377  
 Bus: 919 851 8077  
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - SURVEY/SUE - UTILITIES - CONSTRUCTION OBSERVATION

<b>PROJECT REFERENCE NO.</b>	<b>SHEET NO.</b>
HB-0003	UC-3
<b>DESIGNED BY:</b> PKP	
<b>DRAWN BY:</b> TWR	
<b>CHECKED BY:</b> PKP	
<b>APPROVED BY:</b> SLK	
<b>REVISED:</b>	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	
<b>UTILITY CONSTRUCTION</b>	

**GENERAL NOTES:**

1. THE PROPOSED UTILITY CONSTRUCTION SHALL MEET THE APPLICABLE REQUIREMENTS OF THE NC DEPARTMENT OF TRANSPORTATIONS "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2024.
2. THE EXISTING UTILITIES BELONG TO PACTIV EVERGREEN. CONTACT MR. JAMES CLARY, MILL MANAGER, AT 828-226-8716.
3. ALL WATER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF WATER RESOURCES, PUBLIC WATER SUPPLY SECTION. ALL SEWER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT QUALITY, DIVISION OF WATER RESOURCES, WATER QUALITY SECTION. PERFORM ALL WORK IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODES.
4. THE UTILITY OWNER OWNS THE EXISTING UTILITY FACILITIES AND WILL OWN THE NEW UTILITY FACILITIES AFTER ACCEPTANCE BY THE DEPARTMENT. THE DEPARTMENT OWNS THE CONSTRUCTION CONTRACT AND HAS ADMINISTRATIVE AUTHORITY. COMMUNICATIONS AND DECISIONS BETWEEN THE CONTRACTOR AND UTILITY OWNER ARE NOT BINDING UPON THE DEPARTMENT OR THIS CONTRACT UNLESS AUTHORIZED BY THE ENGINEER. AGREEMENTS BETWEEN THE UTILITY OWNER AND CONTRACTOR FOR THE WORK THAT IS NOT PART OF THIS CONTRACT OR IS SECONDARY TO THIS CONTRACT ARE ALLOWED, BUT ARE NOT BINDING UPON THE DEPARTMENT.
5. PROVIDE ACCESS FOR THE DEPARTMENT PERSONNEL AND THE OWNER'S REPRESENTATIVES TO ALL PHASES OF CONSTRUCTION. NOTIFY DEPARTMENT PERSONNEL AND THE UTILITY OWNER TWO WEEKS PRIOR TO COMMENCEMENT OF ANY WORK AND ONE WEEK PRIOR TO SERVICE INTERRUPTION. KEEP UTILITY OWNERS' REPRESENTATIVES INFORMED OF WORK PROGRESS AND PROVIDE OPPORTUNITY FOR INSPECTION OF CONSTRUCTION AND TESTING.
6. THE PLANS DEPICT THE BEST AVAILABLE INFORMATION FOR THE LOCATION, SIZE, AND TYPE OF MATERIAL FOR ALL EXISTING UTILITIES. MAKE INVESTIGATIONS FOR DETERMINING THE EXACT LOCATION, SIZE, AND TYPE MATERIAL OF THE EXISTING FACILITIES AS NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED UTILITIES AND FOR AVOIDING DAMAGE TO EXISTING FACILITIES. REPAIR ANY DAMAGE INCURRED TO EXISTING FACILITIES TO THE ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE DEPARTMENT.
7. MAKE FINAL CONNECTIONS OF THE NEW WORK TO THE EXISTING SYSTEM WHERE INDICATED ON THE PLANS, AS REQUIRED TO FIT THE ACTUAL CONDITIONS, OR AS DIRECTED.
8. MAKE CONNECTIONS BETWEEN EXISTING AND PROPOSED UTILITIES AT TIMES MOST CONVENIENT TO THE PUBLIC, WITHOUT ENDANGERING THE UTILITY SERVICE, AND IN ACCORDANCE WITH THE UTILITY OWNER'S REQUIREMENTS. MAKE CONNECTIONS ON WEEKENDS, AT NIGHT, AND ON HOLIDAYS IF NECESSARY.
9. ALL UTILITY MATERIALS SHALL BE APPROVED PRIOR TO DELIVERY TO THE PROJECT. SEE 1500-7, "SUBMITTALS AND RECORDS" IN SECTION 1500 OF THE STANDARD SPECIFICATIONS.
10. CONTRACTOR IS RESPONSIBLE FOR MONITORING AND REPAIRING ANY ISSUES THAT ARISE FROM THE TEMPORARY DRIVEWAY ENTRANCE, ARV MANHOLE, AND PIPE CONNECTIONS.
11. CONTRACTOR IS RESPONSIBLE FOR THE RESTORATION OF THE SITE ONCE WORK IS COMPLETED (REMOVAL OF TEMPORARY DRIVEWAY ENTRANCE, REVEGETATION, ETC.).
12. WATER MAINS SHALL BE LAID AT LEAST 10 FEET LATERALLY FROM EXISTING OR PROPOSED SEWER MAINS.

**PROJECT SPECIFIC NOTES:**

1. PROPOSED FORCE MAIN SEWER LINE (FSS-1) SHALL BE 6" PVC C900 DR18, INSTALLED BY OPEN CUT METHOD.
2. EXISTING AIR RELEASE VALVE AT -EY1- (INCINERATOR RD) STA. 20+30± SHALL HAVE 6" THICK CONCRETE COLLAR INSTALLED AROUND EXISTING MANHOLE, AND THE EXISTING MANHOLE LID SHALL BE REPLACED WITH AN HS-25 RATED LID.
3. CONTRACTOR TO BORE PROPOSED NCDOT CONDUITS FROM JUNCTION BOX TO JUNCTION BOX. IF HDD RIG CANNOT HANDLE ADDITIONAL RODS, CONTRACTOR SHOULD BORE FROM A MID-SPAN POINT (BORE PIT) BOTH WAYS TO EACH RESPECTIVE JUNCTION BOX, THEN COUPLE (E-LOC) THE CONDUITS TOGETHER.

**SEWER INSTALLATION NOTES**

1. CONTRACTOR SHALL FULLY INSTALL, PRESSURE & LEAKAGE TEST NEW SEWER MAIN PRIOR TO CONNECTION TO EXISTING SYSTEM.
2. CONTRACTOR SHALL PERFORM THE CONNECTION DURING OFF PEAK HOURS WITH A MAXIMUM SHUT DOWN TIME OF FIVE HOURS. CONTRACTOR TO COORDINATE WITH LANDFILL OWNER FOR WORKING HOURS PRIOR TO CONSTRUCTION.
3. DOWN TIME FOR FORCE MAIN SEWER SHALL BE DETERMINED BY LANDFILL OWNER PRIOR TO CONSTRUCTION AND COORDINATED WITH CONTRACTOR.
3. ANY TEST PERFORMED WITHOUT NOTIFICATION TO TOWN SHALL BE PERFORMED AT THE CONTRACTOR'S RISK. TESTING SHALL BE PERFORMED IN THE PRESENCE OF PACTIV EVERGREEN PERSONNEL. CONTACT MR. JAMES CLARY AT 828-226-8716.
4. NEW SEWER MAIN SHALL NOT BE CONNECTED TO EXISTING MAIN WITHOUT PRIOR APPROVAL AND COORDINATION WITH PACTIV EVERGREEN.
5. FOR NEW SEWER MAIN CONNECTIONS, USE LONG PATTERN SLEEVE AND THRUST COLLAR AS REQUIRED.
6. TRACER WIRE SHALL BE INSTALLED ALONG THE ENTIRE LENGTH OF PROPOSED FORCE MAIN SEWER FSS-1.
7. EXISTING FORCE MAIN SEWER SHALL BE ABANDONED IN PLACE WITH FLOWABLE FILL BETWEEN TIE-IN LOCATIONS AFTER CONNECTIONS ARE COMPLETE. REFER TO UTILITY ACCOMMODATION MANUAL AND 2024 STANDARD SPECIFICATIONS.

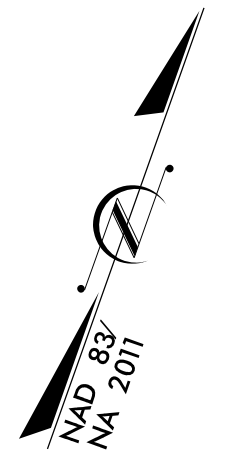
8/17/99

SEWER FACILITIES ARE NOT IN CONFLICT ON THIS SHEET

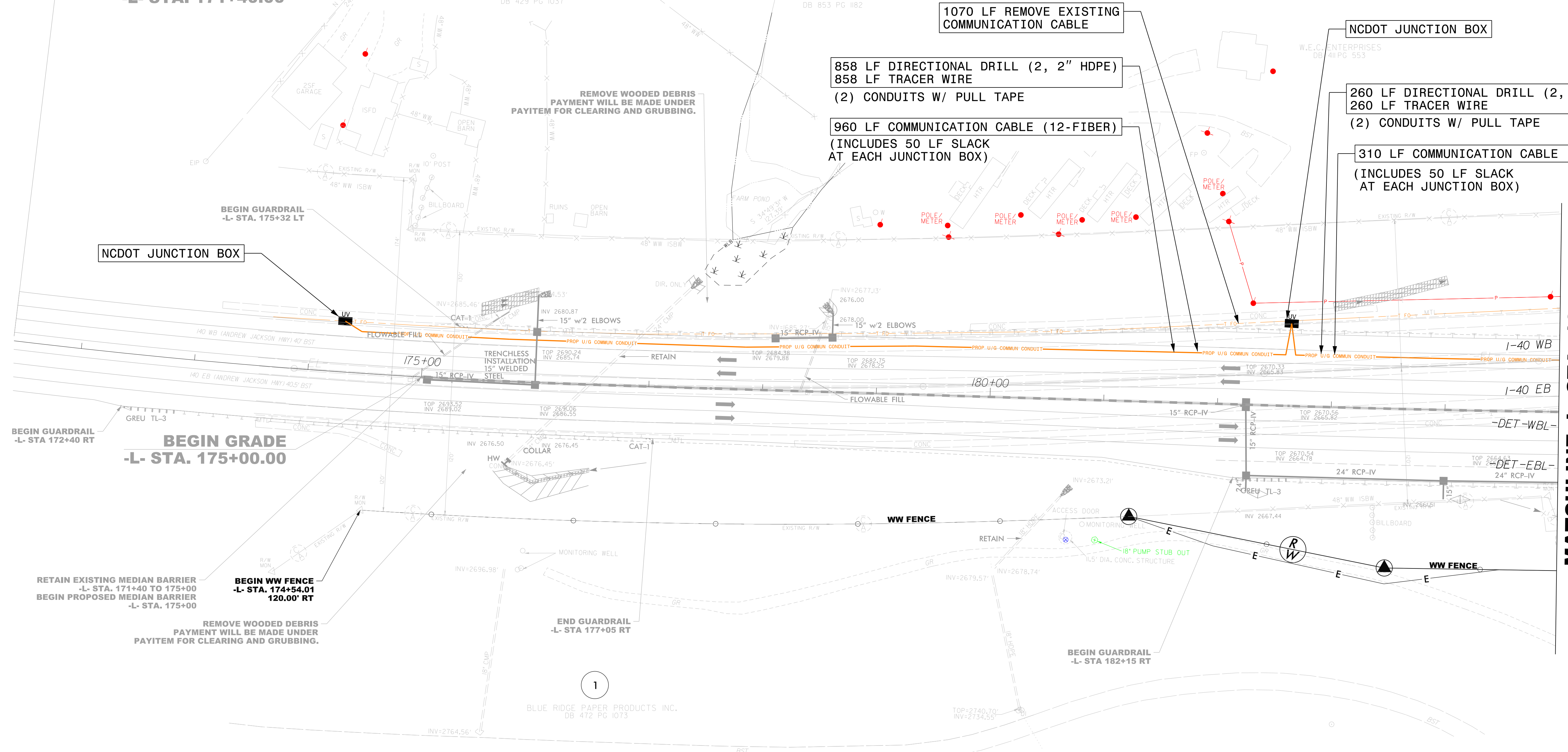
**WETHERILL ENGINEERING**  
 1223 Jones Franklin Rd.  
 Raleigh, N.C. 27606  
 License No. F-0377  
 Bus: 919 851 8077  
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - SURVEY/SUE - UTILITIES - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO.	SHEET NO.
HB-0003	UC-4
DESIGNED BY: PKP	7/27/2024
DRAWN BY: TWR	
CHECKED BY: PKP	
APPROVED BY: SLK	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	
<b>UTILITY CONSTRUCTION</b>	



**BEGIN TIP PROJECT HB-0003  
 BEGIN MILL, OVERLAY, &  
 PAVED SHOULDER REPLACEMENT  
 -L- STA. 171+40.00**



**NCDOT JUNCTION BOX**

**1070 LF REMOVE EXISTING  
 COMMUNICATION CABLE**

**858 LF DIRECTIONAL DRILL (2, 2" HDPE)  
 858 LF TRACER WIRE  
 (2) CONDUITS W/ PULL TAPE**

**960 LF COMMUNICATION CABLE (12-FIBER)  
 (INCLUDES 50 LF SLACK  
 AT EACH JUNCTION BOX)**

**NCDOT JUNCTION BOX**

**260 LF DIRECTIONAL DRILL (2, 2" HDPE)  
 260 LF TRACER WIRE  
 (2) CONDUITS W/ PULL TAPE**

**310 LF COMMUNICATION CABLE (12-FIBER)  
 (INCLUDES 50 LF SLACK  
 AT EACH JUNCTION BOX)**

**BEGIN GUARDRAIL  
 -L- STA. 175+32 LT**

**NCDOT JUNCTION BOX**

**BEGIN GUARDRAIL  
 -L- STA 172+40 RT**

**BEGIN GRADE  
 -L- STA. 175+00.00**

**RETAIN EXISTING MEDIAN BARRIER  
 -L- STA. 171+40 TO 175+00  
 BEGIN PROPOSED MEDIAN BARRIER  
 -L- STA. 175+00**

**BEGIN WW FENCE  
 -L- STA. 174+54.01  
 120.00' RT**

**REMOVE WOODED DEBRIS  
 PAYMENT WILL BE MADE UNDER  
 PAYITEM FOR CLEARING AND GRUBBING.**

**END GUARDRAIL  
 -L- STA 177+05 RT**

**BEGIN GUARDRAIL  
 -L- STA 182+15 RT**

**MATCHLINE -L- STA. 185+00  
 SEE SHEET UC-5**

REVISIONS

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BLUE RIDGE PAPER PRODUCTS INC.  
 DB 472 PG 1073



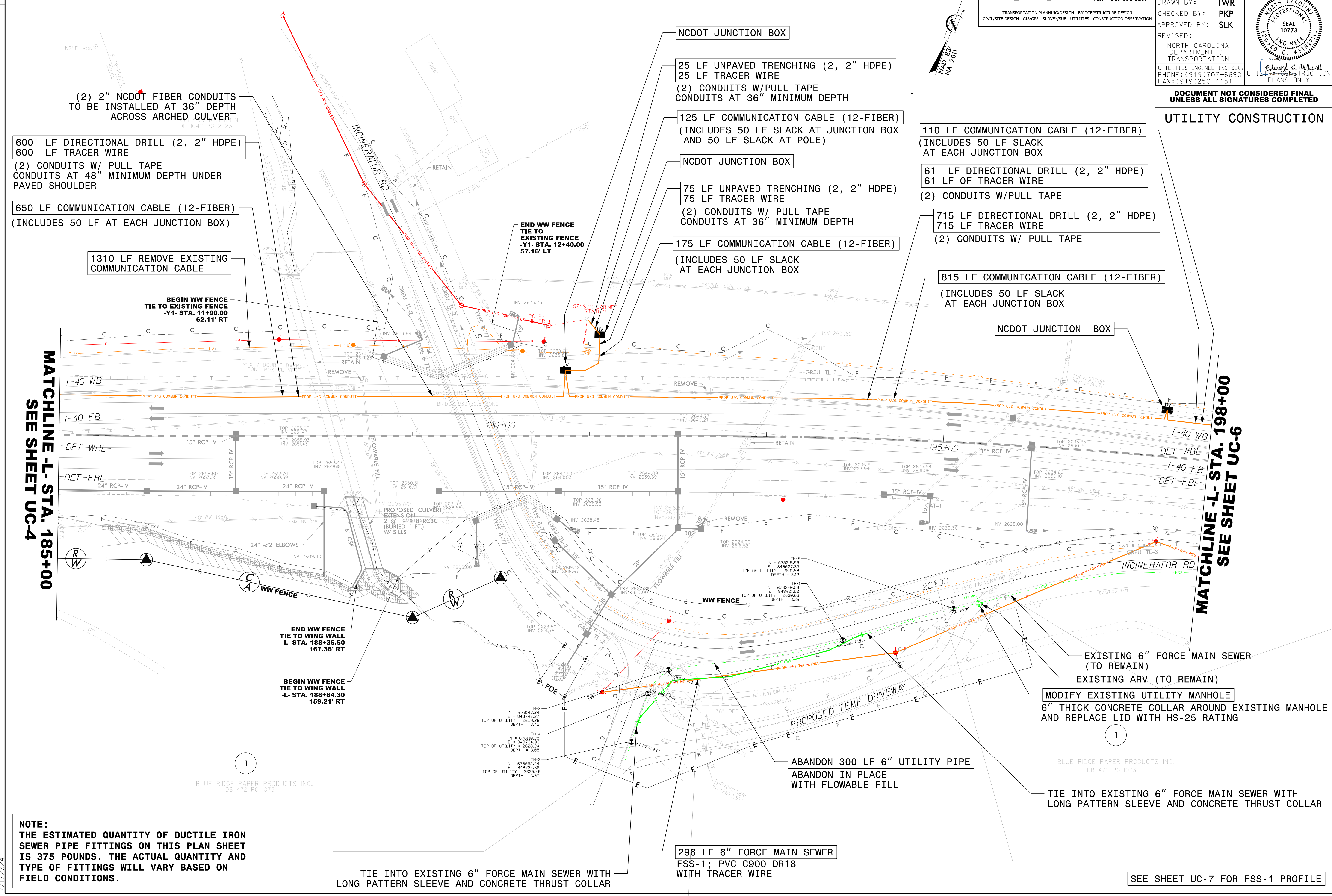
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PROJECT REFERENCE NO.	SHEET NO.
HB-0003	UC-5
DESIGNED BY: PKP	7/2/2024
DRAWN BY: TWR	
CHECKED BY: PKP	
APPROVED BY: SLK	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

UTILITY CONSTRUCTION



600 LF DIRECTIONAL DRILL (2, 2" HDPE)  
600 LF TRACER WIRE  
(2) CONDUITS W/ PULL TAPE  
CONDUITS AT 48" MINIMUM DEPTH UNDER  
PAVED SHOULDER

650 LF COMMUNICATION CABLE (12-FIBER)  
(INCLUDES 50 LF AT EACH JUNCTION BOX)

1310 LF REMOVE EXISTING  
COMMUNICATION CABLE

BEGIN WW FENCE  
TIE TO EXISTING FENCE  
-Y1- STA. 11+90.00  
62.11' RT

NCDOT JUNCTION BOX  
25 LF UNPAVED TRENCHING (2, 2" HDPE)  
25 LF TRACER WIRE  
(2) CONDUITS W/PULL TAPE  
CONDUITS AT 36" MINIMUM DEPTH

125 LF COMMUNICATION CABLE (12-FIBER)  
(INCLUDES 50 LF SLACK AT JUNCTION BOX  
AND 50 LF SLACK AT POLE)

NCDOT JUNCTION BOX

75 LF UNPAVED TRENCHING (2, 2" HDPE)  
75 LF TRACER WIRE  
(2) CONDUITS W/ PULL TAPE  
CONDUITS AT 36" MINIMUM DEPTH

175 LF COMMUNICATION CABLE (12-FIBER)  
(INCLUDES 50 LF SLACK  
AT EACH JUNCTION BOX)

110 LF COMMUNICATION CABLE (12-FIBER)  
(INCLUDES 50 LF SLACK  
AT EACH JUNCTION BOX)

61 LF DIRECTIONAL DRILL (2, 2" HDPE)  
61 LF OF TRACER WIRE  
(2) CONDUITS W/PULL TAPE

715 LF DIRECTIONAL DRILL (2, 2" HDPE)  
715 LF TRACER WIRE  
(2) CONDUITS W/ PULL TAPE

815 LF COMMUNICATION CABLE (12-FIBER)  
(INCLUDES 50 LF SLACK  
AT EACH JUNCTION BOX)

NCDOT JUNCTION BOX

MATCHLINE -L- STA. 185+00  
SEE SHEET UC-4

MATCHLINE -L- STA. 198+00  
SEE SHEET UC-6

END WW FENCE  
TIE TO WING WALL  
-L- STA. 188+36.50  
167.36' RT

BEGIN WW FENCE  
TIE TO WING WALL  
-L- STA. 188+84.30  
159.21' RT

ABANDON 300 LF 6" UTILITY PIPE  
ABANDON IN PLACE  
WITH FLOWABLE FILL

EXISTING 6" FORCE MAIN SEWER  
(TO REMAIN)  
EXISTING ARV (TO REMAIN)

MODIFY EXISTING UTILITY MANHOLE  
6" THICK CONCRETE COLLAR AROUND EXISTING MANHOLE  
AND REPLACE LID WITH HS-25 RATING

TIE INTO EXISTING 6" FORCE MAIN SEWER WITH  
LONG PATTERN SLEEVE AND CONCRETE THRUST COLLAR

296 LF 6" FORCE MAIN SEWER  
FSS-1; PVC C900 DR18  
WITH TRACER WIRE

TIE INTO EXISTING 6" FORCE MAIN SEWER WITH  
LONG PATTERN SLEEVE AND CONCRETE THRUST COLLAR

SEE SHEET UC-7 FOR FSS-1 PROFILE

**NOTE:**  
THE ESTIMATED QUANTITY OF DUCTILE IRON  
SEWER PIPE FITTINGS ON THIS PLAN SHEET  
IS 375 POUNDS. THE ACTUAL QUANTITY AND  
TYPE OF FITTINGS WILL VARY BASED ON  
FIELD CONDITIONS.

BLUE RIDGE PAPER PRODUCTS INC.  
DB 472 PG 1073

REVISIONS

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 7/2/2024

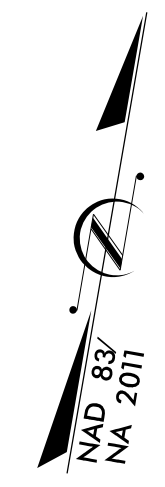
8/17/99

SEWER FACILITIES ARE NOT IN CONFLICT ON THIS SHEET

**WETHERILL ENGINEERING**  
 1223 Jones Franklin Rd.  
 Raleigh, N.C. 27606  
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 Fax: 919 851 8107

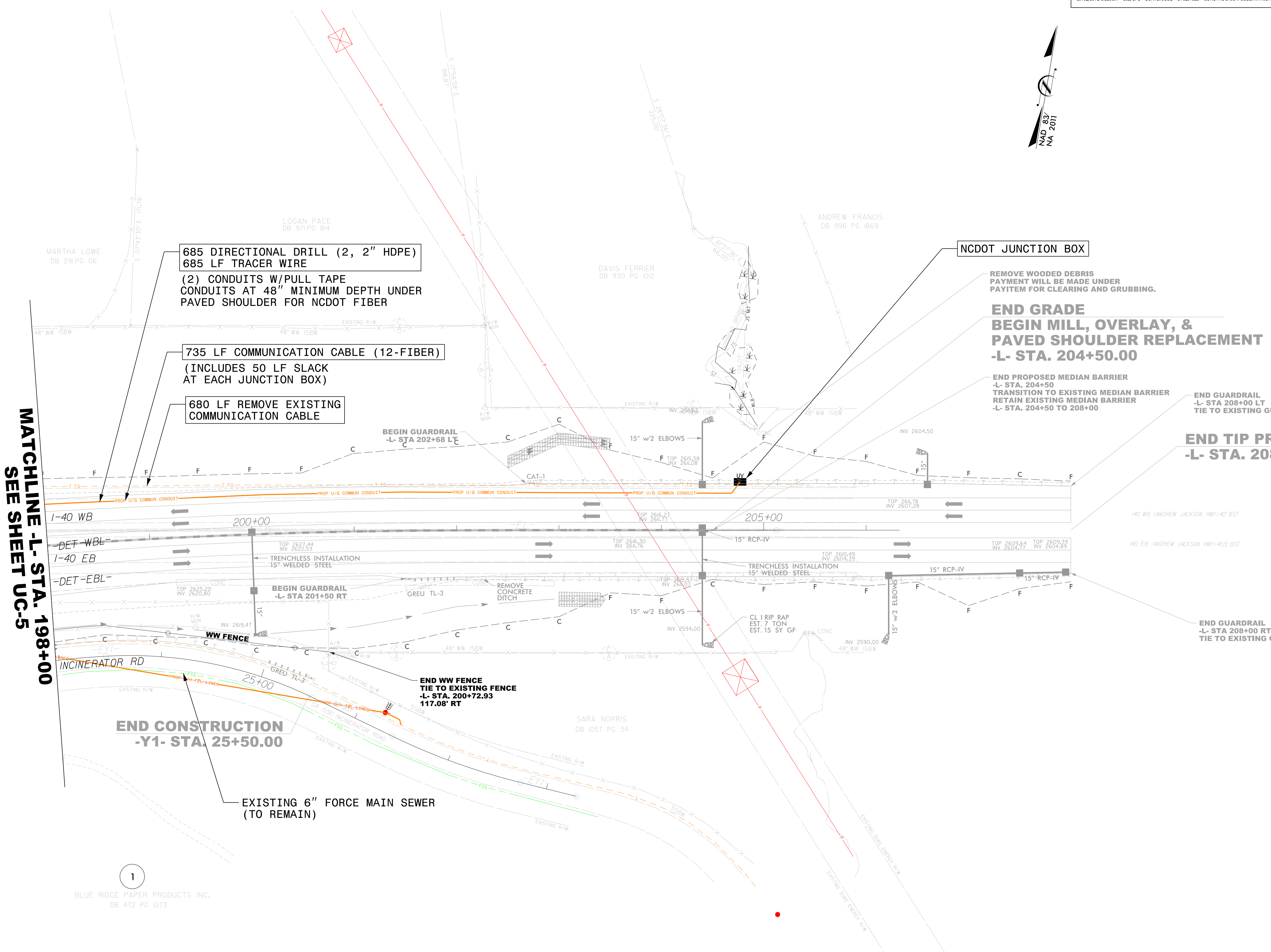
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - SURVEY/SUE - UTILITIES - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO.	SHEET NO.
HB-0003	UC-6
DESIGNED BY: PKP	7/27/2024
DRAWN BY: TWR	
CHECKED BY: PKP	
APPROVED BY: SLK	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
<p><b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b></p> <p>UTILITY CONSTRUCTION</p>	



MATCHLINE -L- STA. 198+00  
SEE SHEET UC-5

REVISIONS



**685 DIRECTIONAL DRILL (2, 2" HDPE)**  
**685 LF TRACER WIRE**  
 (2) CONDUITS W/PULL TAPE  
 CONDUITS AT 48" MINIMUM DEPTH UNDER  
 PAVED SHOULDER FOR NCDOT FIBER

**735 LF COMMUNICATION CABLE (12-FIBER)**  
 (INCLUDES 50 LF SLACK  
 AT EACH JUNCTION BOX)

**680 LF REMOVE EXISTING  
 COMMUNICATION CABLE**

**NCDOT JUNCTION BOX**

REMOVE WOODED DEBRIS  
 PAYMENT WILL BE MADE UNDER  
 PAYITEM FOR CLEARING AND GRUBBING.

**END GRADE  
 BEGIN MILL, OVERLAY, &  
 PAVED SHOULDER REPLACEMENT  
 -L- STA. 204+50.00**

END PROPOSED MEDIAN BARRIER  
 -L- STA. 204+50  
 TRANSITION TO EXISTING MEDIAN BARRIER  
 RETAIN EXISTING MEDIAN BARRIER  
 -L- STA. 204+50 TO 208+00

END GUARDRAIL  
 -L- STA 208+00 LT  
 TIE TO EXISTING GUARDRAIL

**END TIP PROJECT HB-0003  
 -L- STA. 208+00.00**

END GUARDRAIL  
 -L- STA 208+00 RT  
 TIE TO EXISTING GUARDRAIL

**END CONSTRUCTION  
 -Y1- STA. 25+50.00**

**END WW FENCE  
 TIE TO EXISTING FENCE  
 -L- STA. 200+72.93  
 117.08' RT**

EXISTING 6" FORCE MAIN SEWER  
 (TO REMAIN)

1  
 BLUE RIDGE PAPER PRODUCTS INC.  
 DB 472 PG 1073

2:33:05 PM 8/17/2024  
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