



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

J. ERIC BOYETTE  
SECRETARY

March 08, 2022

**Addendum No. 1**

RE: Contract # C204507

WBS # 44369.3.2

STATE FUNDED

**Cumberland County (U-5798A)**

SR-1102 FROM NORTH OF SR-1112 TO US-401 AND REPLACE BRIDGE  
250075 OVER LITTLE ROCKFISH CREEK.

**March 15, 2022 Letting**

To Whom It May Concern:

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

The following revisions have been made to the Roadway plans.

Sheet No.	Revision
3B-1	Updated to reflect changes in Grading items.

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

The following revisions have been made to the Right of Way plans.

Sheet No.	Revision
RW03E-1	Right of Way information modified.
RW6	Right of Way information modified.
RW7	Right of Way information modified.

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

The following revisions have been made to the Cross Sections.

Sheet No.	Revision
X-1B	Updated to reflect changes in Grading items.
X-1C	Updated to reflect changes in Grading items.

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

Mailing Address:  
NC DEPARTMENT OF TRANSPORTATION  
CONTRACT STANDARDS AND DEVELOPMENT  
1591 MAIL SERVICE CENTER  
RALEIGH, NC 27699-1591

Telephone: (919) 707-6900  
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Location:  
1020 BIRCH RIDGE DR.  
RALEIGH, NC 27610

Website: [www.ncdot.gov](http://www.ncdot.gov)

The following revisions have been made to the proposal.

<b>Page No.</b>	<b>Revision</b>
Proposal Cover	Note added that reads "Includes Addendum No. 1 Dated 3-08-2022".

Please void the above listed existing Pages in your proposal and staple the revised Pages 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>
0006-0043000000-N-226	GRADING	LS	DELETED
0254-0001000000-E-200	CLEARING & GRUBBING..ACRE(S)	NEW ITEM	LS
0255-0008000000-E-200	SUPPLEMENTARY CLEARING & GRUBBING	NEW ITEM	1 ACR
0256-0022000000-E-225	UNCLASSIFIED EXCAVATION	NEW ITEM	19,700 CY
0257-0106000000-E-230	BORROW EXCAVATION	NEW ITEM	41,400 CY
0258-0156000000-E-250	REMOVAL OF EXISTING ASPHALT PAVEMENT	NEW ITEM	5,300 SY
0259-0177000000-E-250	BREAKING OF EXISTING ASPHALT PAVEMENT	NEW ITEM	3,700 SY
0260-1011000000-N-500	FINE GRADING	NEW ITEM	LS

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:  
*Ronald Elton Davenport, Jr.*  
F81B6038A47A442...

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

RED/cms  
Attachments

cc: Mr. Lamar Sylvester, PE  
Mr. H.L. "Drew" Cox, PE  
Mr. Boyd Tharrington, PE  
Mr. Jon Weathersbee, PE  
Mr. Ken Kennedy, PE  
Project File (2)

Mr. Forrest Dungan, PE  
Ms. Jaci Kincaid  
Ms. Lori Strickland  
Mr. Mike Gwyn  
Ms. Penny Higgins  
Mr. Kyle Kempf

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

PROPOSAL

**INCLUDES ADDENDUM No. 1 DATED 03-08-2022**

DATE AND TIME OF BID OPENING: **MARCH 15, 2022 AT 2:00 PM**

CONTRACT ID C204507

WBS 44369.3.2

FEDERAL-AID NO. STATE FUNDED

COUNTY CUMBERLAND

T.I.P. NO. U-5798A

MILES 1.125

ROUTE NO. SR 1102

LOCATION SR-1102 FROM NORTH OF SR-1112 TO US-401 AND REPLACE BRIDGE  
250075 OVER LITTLE ROCKFISH CREEK.

TYPE OF WORK GRADNG, DRAINAGE, PAVING, SIGNALS, 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. 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.

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

**THIS IS A ROADWAY & STRUCTURE PROPOSAL**

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

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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	0028000000-N	SP	TYPE I STANDARD APPROACH FILL STATION ***** (76+80.00 -L- LT)	Lump Sum	L.S.	
0004	0028000000-N	SP	TYPE I STANDARD APPROACH FILL STATION ***** (76+80.00 -L- RT)	Lump Sum	L.S.	
0005	0036000000-E	225	UNDERCUT EXCAVATION	4,400 CY		
0008	0134000000-E	240	DRAINAGE DITCH EXCAVATION	1,270 CY		
0009	0192000000-N	260	PROOF ROLLING	20 HR		
0010	0194000000-E	265	SELECT GRANULAR MATERIAL, CLASS III	2,740 CY		
0011	0196000000-E	270	GEOTEXTILE FOR SOIL STABILIZATION	18,525 SY		
0012	0241000000-E	SP	GENERIC GRADING ITEM GEOTEXTILE FOR EMBANKMENT STABILIZATION	710 SY		
0013	0318000000-E	300	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	1,080 TON		
0014	0320000000-E	300	FOUNDATION CONDITIONING GEOTEXTILE	3,299 SY		
0015	0354000000-E	310	***** RC PIPE CULVERTS, CLASS ***** (15", V)	312 LF		
0016	0354000000-E	310	***** RC PIPE CULVERTS, CLASS ***** (18", V)	352 LF		
0017	0354000000-E	310	***** RC PIPE CULVERTS, CLASS ***** (24", V)	124 LF		
0018	0354000000-E	310	***** RC PIPE CULVERTS, CLASS ***** (48", V)	88 LF		

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0019	0448000000-E	310	***** RC PIPE CULVERTS, CLASS IV (48")	48 LF		
0020	0448200000-E	310	15" RC PIPE CULVERTS, CLASS IV	4,380 LF		
0021	0448300000-E	310	18" RC PIPE CULVERTS, CLASS IV	1,068 LF		
0022	0448400000-E	310	24" RC PIPE CULVERTS, CLASS IV	2,024 LF		
0023	0448500000-E	310	30" RC PIPE CULVERTS, CLASS IV	1,104 LF		
0024	0448600000-E	310	36" RC PIPE CULVERTS, CLASS IV	52 LF		
0025	0594000000-E	310	24" CS PIPE CULVERTS, 0.064" THICK	68 LF		
0026	0636000000-E	310	*** CS PIPE ELBOWS, ***** THICK (24", 0.064")	2 EA		
0027	0995000000-E	340	PIPE REMOVAL	1,425 LF		
0028	1077000000-E	SP	#57 STONE	10 TON		
0029	1099500000-E	505	SHALLOW UNDERCUT	4,010 CY		
0030	1099700000-E	505	CLASS IV SUBGRADE STABILIZATION	10,500 TON		
0031	1111000000-E	SP	CLASS IV AGGREGATE STABILIZATION	500 TON		
0032	1121000000-E	520	AGGREGATE BASE COURSE	216 TON		
0033	1220000000-E	545	INCIDENTAL STONE BASE	200 TON		
0034	1308000000-E	607	MILLING ASPHALT PAVEMENT, ***** TO ***** (0" TO 3")	2,510 SY		
0035	1330000000-E	607	INCIDENTAL MILLING	200 SY		
0036	1491000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0C	13,300 TON		

County : Cumberland

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0037	1503000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	11,000 TON		
0038	1523000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	9,150 TON		
0039	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	1,680 TON		
0040	1693000000-E	654	ASPHALT PLANT MIX, PAVEMENT REPAIR	230.8 TON		
0041	2022000000-E	815	SUBDRAIN EXCAVATION	112 CY		
0042	2026000000-E	815	GEOTEXTILE FOR SUBSURFACE DRAINS	500 SY		
0043	2036000000-E	815	SUBDRAIN COARSE AGGREGATE	84 CY		
0044	2044000000-E	815	6" PERFORATED SUBDRAIN PIPE	500 LF		
0045	2070000000-N	815	SUBDRAIN PIPE OUTLET	1 EA		
0046	2077000000-E	815	6" OUTLET PIPE	6 LF		
0047	2209000000-E	838	ENDWALLS	6 CY		
0048	2253000000-E	840	PIPE COLLARS	1.55 CY		
0049	2286000000-N	840	MASONRY DRAINAGE STRUCTURES	94 EA		
0050	2308000000-E	840	MASONRY DRAINAGE STRUCTURES	35.4 LF		
0051	2364000000-N	840	FRAME WITH TWO GRATES, STD 840.16	6 EA		
0052	2366000000-N	840	FRAME WITH TWO GRATES, STD 840.24	8 EA		
0053	2367000000-N	840	FRAME WITH TWO GRATES, STD 840.29	18 EA		
0054	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	7 EA		

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0055	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	25 EA		
0056	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	26 EA		
0057	2396000000-N	840	FRAME WITH COVER, STD 840.54	1 EA		
0058	2451000000-N	852	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	14 EA		
0059	2538000000-E	846	***CONCRETE CURB & GUTTER (2'-9")	1,100 LF		
0060	2542000000-E	846	1'-6" CONCRETE CURB & GUTTER	4,550 LF		
0061	2549000000-E	846	2'-6" CONCRETE CURB & GUTTER	11,770 LF		
0062	2591000000-E	848	4" CONCRETE SIDEWALK	6,540 SY		
0063	2605000000-N	848	CONCRETE CURB RAMPS	15 EA		
0064	2612000000-E	848	6" CONCRETE DRIVEWAY	430 SY		
0065	2655000000-E	852	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	1,700 SY		
0066	2845000000-N	858	ADJUSTMENT OF METER BOXES OR VALVE BOXES	2 EA		
0067	3001000000-N	SP	IMPACT ATTENUATOR UNITS, TYPE TL-3	2 EA		
0068	3030000000-E	862	STEEL BEAM GUARDRAIL	2,325 LF		
0069	3150000000-N	862	ADDITIONAL GUARDRAIL POSTS	5 EA		
0070	3210000000-N	862	GUARDRAIL END UNITS, TYPE CAT-1	2 EA		
0071	3215000000-N	SP	GUARDRAIL ANCHOR UNITS, TYPE III	8 EA		
0072	3287000000-N	SP	GUARDRAIL END UNITS, TYPE TL-3	2 EA		



County : Cumberland

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0073	3360000000-E	863	REMOVE EXISTING GUARDRAIL	584 LF		
0074	3380000000-E	862	TEMPORARY STEEL BEAM GUARDRAIL	687.5 LF		
0075	3389150000-N	SP	TEMPORARY GUARDRAIL END UNITS, TYPE ***** (TL-3)	3 EA		
0076	3595000000-E	869	RELAPPING GUARDRAIL	525 LF		
0077	3628000000-E	876	RIP RAP, CLASS I	1,000 TON		
0078	3649000000-E	876	RIP RAP, CLASS B	5 TON		
0079	3656000000-E	876	GEOTEXTILE FOR DRAINAGE	3,000 SY		
0080	4072000000-E	903	SUPPORTS, 3-LB STEEL U-CHANNEL	370 LF		
0081	4096000000-N	904	SIGN ERECTION, TYPE D	2 EA		
0082	4102000000-N	904	SIGN ERECTION, TYPE E	29 EA		
0083	4108000000-N	904	SIGN ERECTION, TYPE F	3 EA		
0084	4116100000-N	904	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (D)	4 EA		
0085	4155000000-N	907	DISPOSAL OF SIGN SYSTEM, U- CHANNEL	31 EA		
0086	4400000000-E	1110	WORK ZONE SIGNS (STATIONARY)	1,028 SF		
0087	4405000000-E	1110	WORK ZONE SIGNS (PORTABLE)	32 SF		
0088	4410000000-E	1110	WORK ZONE SIGNS (BARRICADE MOUNTED)	92 SF		
0089	4415000000-N	1115	FLASHING ARROW BOARD	4 EA		
0090	4420000000-N	1120	PORTABLE CHANGEABLE MESSAGE SIGN	4 EA		
0091	4430000000-N	1130	DRUMS	244 EA		

County : Cumberland

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0092	4445000000-E	1145	BARRICADES (TYPE III)	104 LF		
0093	4455000000-N	1150	FLAGGER	576 DAY		
0094	4480000000-N	1165	TMA	4 EA		
0095	4510000000-N	1190	LAW ENFORCEMENT	96 HR		
0096	4520000000-N	1266	TUBULAR MARKERS (FIXED)	12 EA		
0097	4650000000-N	1251	TEMPORARY RAISED PAVEMENT MARKERS	1,685 EA		
0098	4685000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	28,679 LF		
0099	4695000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	3,512 LF		
0100	4725000000-E	1205	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	46 EA		
0101	4726110000-E	1205	HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	37 EA		
0102	4770000000-E	1205	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)	2,045 LF		
0103	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	51,557 LF		
0104	4820000000-E	1205	PAINT PAVEMENT MARKING LINES (8")	4,943 LF		
0105	4835000000-E	1205	PAINT PAVEMENT MARKING LINES (24")	715 LF		
0106	4840000000-N	1205	PAINT PAVEMENT MARKING CHARACTER	8 EA		
0107	4845000000-N	1205	PAINT PAVEMENT MARKING SYMBOL	63 EA		
0108	4850000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (4")	22,045 LF		

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0109	4891000000-E	1205	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	605 LF		
0110	4892000000-N	1205	GENERIC PAVEMENT MARKING ITEM HEATED-IN-PLACE PAVEMENT MARK- ING CHARACTERS 90 MILS	37 EA		
0111	4900000000-N	1251	PERMANENT RAISED PAVEMENT MARKERS	445 EA		
0112	5255000000-N	1413	PORTABLE LIGHTING	Lump Sum	L.S.	
0113	5325600000-E	1510	6" WATER LINE	100 LF		
0114	5325800000-E	1510	8" WATER LINE	2,654 LF		
0115	5326200000-E	1510	12" WATER LINE	18 LF		
0116	5326600000-E	1510	16" WATER LINE	5,035 LF		
0117	5327400000-E	1510	24" WATER LINE	527 LF		
0118	5329000000-E	1510	DUCTILE IRON WATER PIPE FITTINGS	21,045 LB		
0119	5540000000-E	1515	6" VALVE	7 EA		
0120	5546000000-E	1515	8" VALVE	4 EA		
0121	5558600000-E	1515	16" VALVE	15 EA		
0122	5571800000-E	1515	8" TAPPING SLEEVE & VALVE	3 EA		
0123	5572200000-E	1515	12" TAPPING SLEEVE & VALVE	1 EA		
0124	5572600000-E	1515	16" TAPPING SLEEVE & VALVE	2 EA		
0125	5606000000-E	1515	2" BLOW OFF	7 EA		
0126	5648000000-N	1515	RELOCATE WATER METER	3 EA		
0127	5666000000-N	1515	FIRE HYDRANT	6 EA		

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0128	5672000000-N	1515	RELOCATE FIRE HYDRANT	1 EA		
0129	5673000000-E	1515	FIRE HYDRANT LEG	56 LF		
0130	5686500000-E	1515	WATER SERVICE LINE	40 LF		
0131	5691300000-E	1520	8" SANITARY GRAVITY SEWER	1,523 LF		
0132	5768500000-E	1520	SEWER SERVICE LINE	82 LF		
0133	5775000000-E	1525	4' DIA UTILITY MANHOLE	10 EA		
0134	5776000000-E	1525	5' DIA UTILITY MANHOLE	1 EA		
0135	5781000000-E	1525	UTILITY MANHOLE WALL 4' DIA	72 LF		
0136	5801000000-E	1530	ABANDON 8" UTILITY PIPE	1,074 LF		
0137	5804000000-E	1530	ABANDON 12" UTILITY PIPE	15 LF		
0138	5810000000-E	1530	ABANDON 16" UTILITY PIPE	4,697 LF		
0139	5815500000-N	1530	REMOVE FIRE HYDRANT	4 EA		
0140	5816000000-N	1530	ABANDON UTILITY MANHOLE	6 EA		
0141	5835700000-E	1540	16" ENCASEMENT PIPE	351 LF		
0142	5836200000-E	1540	30" ENCASEMENT PIPE	472 LF		
0143	5872500000-E	1550	BORE AND JACK OF *** (16")	223 LF		
0144	5872500000-E	1550	BORE AND JACK OF *** (30")	257 LF		
0145	5872600000-E	1550	DIRECTIONAL DRILLING OF *** (24")	527 LF		
0146	5882000000-N	SP	GENERIC UTILITY ITEM 2" COMBINATION AIR RELEASE VALVE	5 EA		

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0147	5882000000-N	SP	GENERIC UTILITY ITEM ADJUSTMENT OF PRECAST MANHOLE	1 EA		
0148	6000000000-E	1605	TEMPORARY SILT FENCE	13,165 LF		
0149	6006000000-E	1610	STONE FOR EROSION CONTROL, CLASS A	560 TON		
0150	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	1,835 TON		
0151	6012000000-E	1610	SEDIMENT CONTROL STONE	1,590 TON		
0152	6015000000-E	1615	TEMPORARY MULCHING	12.5 ACR		
0153	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	600 LB		
0154	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEED- ING	4 TON		
0155	6024000000-E	1622	TEMPORARY SLOPE DRAINS	520 LF		
0156	6029000000-E	SP	SAFETY FENCE	1,960 LF		
0157	6030000000-E	1630	SILT EXCAVATION	3,460 CY		
0158	6036000000-E	1631	MATTING FOR EROSION CONTROL	49,105 SY		
0159	6037000000-E	SP	COIR FIBER MAT	100 SY		
0160	6042000000-E	1632	1/4" HARDWARE CLOTH	3,370 LF		
0161	6043000000-E	SP	LOW PERMEABILITY GEOTEXTILE	75 SY		
0162	6070000000-N	1639	SPECIAL STILLING BASINS	8 EA		
0163	6071012000-E	SP	COIR FIBER WATTLE	3,460 LF		
0164	6071014000-E	SP	COIR FIBER WATTLE BARRIER	730 LF		
0165	6071020000-E	SP	POLYACRYLAMIDE (PAM)	985 LB		
0166	6071030000-E	1640	COIR FIBER BAFFLE	840 LF		

County : Cumberland

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0167	6071050000-E	SP	*** SKIMMER (1-1/2")	2 EA		
0168	6071050000-E	SP	*** SKIMMER (2")	1 EA		
0169	6084000000-E	1660	SEEDING & MULCHING	12 ACR		
0170	6087000000-E	1660	MOWING	12 ACR		
0171	6090000000-E	1661	SEED FOR REPAIR SEEDING	150 LB		
0172	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	0.25 TON		
0173	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	275 LB		
0174	6108000000-E	1665	FERTILIZER TOPDRESSING	8 TON		
0175	6111000000-E	SP	IMPERVIOUS DIKE	40 LF		
0176	6114500000-N	1667	SPECIALIZED HAND MOWING	10 MHR		
0177	6117000000-N	SP	RESPONSE FOR EROSION CONTROL	100 EA		
0178	6117500000-N	SP	CONCRETE WASHOUT STRUCTURE	6 EA		
0179	6132000000-N	SP	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT	132 EA		
0180	6132000000-N	SP	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE	44 EA		
0181	7048500000-E	1705	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)	4 EA		
0182	7060000000-E	1705	SIGNAL CABLE	13,070 LF		
0183	7120000000-E	1705	VEHICLE SIGNAL HEAD (12", 3 SECTION)	50 EA		
0184	7132000000-E	1705	VEHICLE SIGNAL HEAD (12", 4 SECTION)	13 EA		

County : Cumberland

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0185	7144000000-E	1705	VEHICLE SIGNAL HEAD (12", 5 SECTION)	10	EA	
0186	7252000000-E	1710	MESSENGER CABLE (1/4")	5,285	LF	
0187	7264000000-E	1710	MESSENGER CABLE (3/8")	3,130	LF	
0188	7279000000-E	1715	TRACER WIRE	1,915	LF	
0189	7288000000-E	1715	PAVED TRENCHING (***** (1, 2")	88	LF	
0190	7288000000-E	1715	PAVED TRENCHING (***** (2, 2")	20	LF	
0191	7300000000-E	1715	UNPAVED TRENCHING (***** (1, 2")	1,206	LF	
0192	7300000000-E	1715	UNPAVED TRENCHING (***** (2, 2")	1,378	LF	
0193	7300000000-E	1715	UNPAVED TRENCHING (***** (4, 2")	6	LF	
0194	7300000000-E	1715	UNPAVED TRENCHING (***** (5, 2")	15	LF	
0195	7324000000-N	1716	JUNCTION BOX (STANDARD SIZE)	23	EA	
0196	7348000000-N	1716	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)	8	EA	
0197	7360000000-N	1720	WOOD POLE	8	EA	
0198	7372000000-N	1721	GUY ASSEMBLY	28	EA	
0199	7408000000-E	1722	1" RISER WITH WEATHERHEAD	1	EA	
0200	7420000000-E	1722	2" RISER WITH WEATHERHEAD	7	EA	
0201	7432000000-E	1722	2" RISER WITH HEAT SHRINK TUBING	6	EA	
0202	7444000000-E	1725	INDUCTIVE LOOP SAWCUT	3,352	LF	

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0203	7456000000-E	1726	LEAD-IN CABLE (***** (14-2)	16,880 LF		
0204	7481000000-N	SP	SITE SURVEY	2 EA		
0205	7481200000-N	SP	LUMINAIRE ARM FOR VIDEO SYSTEM	12 EA		
0206	7481240000-N	SP	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT	11 EA		
0207	7481260000-N	SP	EXTERNAL LOOP EMULATOR PRO- CESSING UNIT	3 EA		
0208	7481280000-N	SP	RELOCATE CAMERA SENSOR UNIT	2 EA		
0209	7516000000-E	1730	COMMUNICATIONS CABLE (**FIBER) (24)	7,255 LF		
0210	7528000000-E	1730	DROP CABLE	1,295 LF		
0211	7540000000-N	1731	SPLICE ENCLOSURE	3 EA		
0212	7552000000-N	1731	INTERCONNECT CENTER	3 EA		
0213	7566000000-N	1733	DELINEATOR MARKER	5 EA		
0214	7575160000-E	1734	REMOVE EXISTING COMMUNICATIONS CABLE	6,390 LF		
0215	7576000000-N	SP	METAL STRAIN SIGNAL POLE	10 EA		
0216	7613000000-N	SP	SOIL TEST	10 EA		
0217	7614100000-E	SP	DRILLED PIER FOUNDATION	100 CY		
0218	7636000000-N	1745	SIGN FOR SIGNALS	3 EA		
0219	7642200000-N	1743	TYPE II PEDESTAL WITH FOUND- ATION	4 EA		
0220	7684000000-N	1750	SIGNAL CABINET FOUNDATION	3 EA		
0221	7696000000-N	1751	CONTROLLERS WITH CABINET (***** (TYPE ASC/3, BASE MOUNTED)	3 EA		



Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0222	7696000000-N	1751	CONTROLLERS WITH CABINET (*****) (TYPE ASC/3, POLE MOUNTED)	1 EA		
0223	7744000000-N	1751	DETECTOR CARD (TYPE 170)	27 EA		
0224	7901000000-N	1753	CABINET BASE EXTENDER	3 EA		
0225	7980000000-N	SP	GENERIC SIGNAL ITEM DIGITAL CCTV CAMERA ASSEMBLY	1 EA		
0226	7980000000-N	SP	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH	3 EA		
0227	7980000000-N	SP	GENERIC SIGNAL ITEM REMOVE EXISTING CCTV CAMERA	1 EA		
0228	7990000000-E	SP	GENERIC SIGNAL ITEM BACK PULL FIBER OPTIC CABLE	970 LF		
0254	0001000000-E	200	CLEARING & GRUBBING .. ACRE(S)	Lump Sum	L.S.	
0255	0008000000-E	200	SUPPLEMENTARY CLEARING & GRUB- BING	1 ACR		
0256	0022000000-E	225	UNCLASSIFIED EXCAVATION	19,700 CY		
0257	0106000000-E	230	BORROW EXCAVATION	41,400 CY		
0258	0156000000-E	250	REMOVAL OF EXISTING ASPHALT PAVEMENT	5,300 SY		
0259	0177000000-E	250	BREAKING OF EXISTING ASPHALT PAVEMENT	3,700 SY		
0260	1011000000-N	500	FINE GRADING	Lump Sum	L.S.	
<b>STRUCTURE ITEMS</b>						
0229	8035000000-N	402	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (76+80.00 -L- LT)	Lump Sum	L.S.	

County : Cumberland

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0230	8065000000-N	SP	ASBESTOS ASSESSMENT	Lump Sum	L.S.	
0231	8112730000-N	450	PDA TESTING	4 EA		
0232	8121000000-N	412	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (76+80.00 -L- LT)	Lump Sum	L.S.	
0233	8121000000-N	412	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (76+80.00 -L- RT)	Lump Sum	L.S.	
0234	8147000000-E	420	REINFORCED CONCRETE DECK SLAB	19,225 SF		
0235	8161000000-E	420	GROOVING BRIDGE FLOORS	16,655 SF		
0236	8182000000-E	420	CLASS A CONCRETE (BRIDGE)	344 CY		
0237	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (76+80.00 -L- LT)	Lump Sum	L.S.	
0238	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (76+80.00 -L- RT)	Lump Sum	L.S.	
0239	8217000000-E	425	REINFORCING STEEL (BRIDGE)	41,908 LB		
0240	8328200000-E	450	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 14 X 73)	40 EA		
0241	8328400000-E	450	PILE DRIVING EQUIPMENT SETUP FOR *** GALVANIZED STEEL PILES (PP 36 X 0.5)	10 EA		
0242	8384000000-E	450	HP14X73 STEEL PILES	2,580 LF		
0243	8385200000-E	450	PP ** X **** GALVANIZED STEEL PILES (36 X 0.5)	1,250 LF		
0244	8393000000-N	450	PILE REDRIVES	28 EA		
0245	8475000000-E	460	TWO BAR METAL RAIL	460.2 LF		
0246	8503000000-E	460	CONCRETE BARRIER RAIL	516.8 LF		

County : Cumberland

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0247	8517000000-E	460	1'-**X ***** CONCRETE PARA-PET (1'-2" X 3'-3")	475.8	LF	
0248	8608000000-E	876	RIP RAP CLASS II (2'-0" THICK)	862	TON	
0249	8622000000-E	876	GEOTEXTILE FOR DRAINAGE	957	SY	
0250	8657000000-N	430	ELASTOMERIC BEARINGS	Lump Sum	L.S.	
0251	8706000000-N	SP	EXPANSION JOINT SEALS	Lump Sum	L.S.	
0252	8867000000-E	SP	GENERIC STRUCTURE ITEM 54" F.I.B. PRESTRESSED CONCRETE GIRDERS	893.7	LF	
0253	8867000000-E	SP	GENERIC STRUCTURE ITEM 63" F.I.B. PRESTRESSED CONCRETE GIRDERS	988.2	LF	

1553/Mar02/Q593311.7/D1248805806000/E258

Total Amount Of Bid For Entire Project :

PROJECT REFERENCE NO.	SHEET NO.
U-5798A	RW7
<b>Location and Surveys</b>	
DIVISION OF HIGHWAYS LOCATION AND SURVEYS DIVISION 6 FIELD OFFICE	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

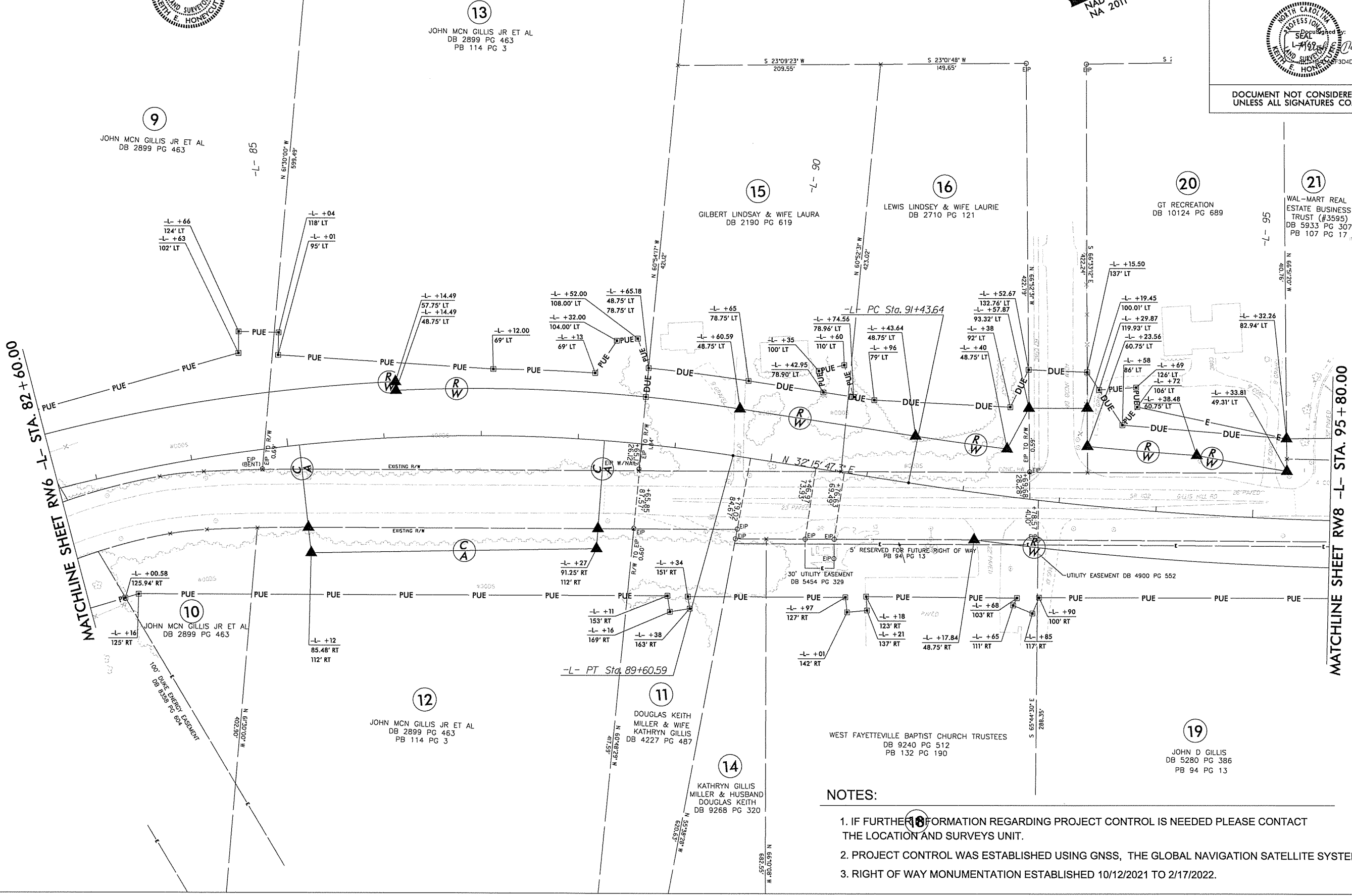
I, Keith E. Honeycutt, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 10/12/2021 to 2/17/2022, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 58.1800 as applicable.

This 17th day of February, 2022.  
 Documented by:  
 Keith E. Honeycutt  
 Professional Land Surveyor L-4169  
 SC1164DAEF304DF



17

WEST FAYETTEVILLE PLACE ASSOCIATES  
 LIMITED PARTNERSHIP  
 DB 10045 PG 260



9  
 JOHN MCN GILLIS JR ET AL  
 DB 2899 PG 463

13  
 JOHN MCN GILLIS JR ET AL  
 DB 2899 PG 463  
 PB 114 PG 3

15  
 GILBERT LINDSAY & WIFE LAURA  
 DB 2190 PG 619

16  
 LEWIS LINDSEY & WIFE LAURIE  
 DB 2710 PG 121

20  
 GT RECREATION  
 DB 10124 PG 689

21  
 WAL-MART REAL  
 ESTATE BUSINESS  
 TRUST (#3595)  
 DB 5933 PG 307  
 PB 107 PG 17

10  
 JOHN MCN GILLIS JR ET AL  
 DB 2899 PG 463

12  
 JOHN MCN GILLIS JR ET AL  
 DB 2899 PG 463  
 PB 114 PG 3

11  
 DOUGLAS KEITH  
 MILLER & WIFE  
 KATHRYN GILLIS  
 DB 4227 PG 487

14  
 KATHRYN GILLIS  
 MILLER & HUSBAND  
 DOUGLAS KEITH  
 DB 9268 PG 320

WEST FAYETTEVILLE BAPTIST CHURCH TRUSTEES  
 DB 9240 PG 512  
 PB 132 PG 190

19  
 JOHN D GILLIS  
 DB 5280 PG 386  
 PB 94 PG 13

**NOTES:**

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 10/12/2021 TO 2/17/2022.

REVISIONS

16-FEB-2022 11:44  
 C:\Projects\U-5798A\Revision\_220202\U-5798a\_1s\_rw7.dgn  
 M. Wilson



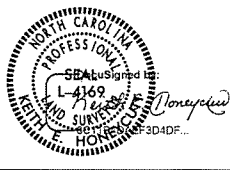
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

PROJ. REFERENCE NO.	SHEET NO.
U5798A	X-1B

NOTE: EMBANKMENT COLUMN INCLUDES BACKFILL FOR UNDERCUT

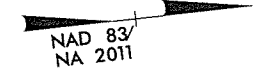
CROSS-SECTION SUMMARY

Station PHASE I Detour	Undercut (cu. yd.)	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	Station PHASE II L (LT)	Undercut (cu. yd.)	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	Station PHASE II L (LT)	Undercut (cu. yd.)	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	Station PHASE II L (LT)	Undercut (cu. yd.)	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+05.00	0	0	0	55+50.00	30	34	370	81+00.00	0	0	1356	105+50.00	9	15	19
10+50.00	0	42	0	56+00.00	38	53	332	81+50.00	0	0	1097	106+00.00	0	0	3
11+00.00	21	76	0	56+50.00	47	81	278	82+00.00	0	0	933	106+50.00	0	8	26
11+50.00	32	91	0	57+00.00	69	121	220	82+50.00	0	0	758	107+00.00	0	11	42
12+00.00	38	82	15	57+50.00	82	146	172	83+00.00	0	0	590	107+50.00	0	3	55
12+50.00	51	103	30	58+00.00	85	126	155	83+50.00	0	0	579	108+00.00	0	0	79
13+00.00	19	82	21	58+50.00	70	82	185	84+00.00	0	0	771				
13+50.00	0	38	15	59+00.00	43	40	264	84+50.00	0	0	976				
14+00.00	0	67	24	59+50.00	19	18	345	85+00.00	0	0	1135	Station PHASE II L (LT)	Undercut	Uncl. Exc.	Embt
14+50.00	0	119	23	60+00.00	19	22	376	85+50.00	0	0	1099	(cu. yd.)	(cu. yd.)	(cu. yd.)	
15+00.00	0	180	9	60+50.00	47	75	190	86+00.00	0	0	826	108+00.00	0	0	0
15+50.00	0	235	5	60+65.00	27	44	34	86+50.00	14	19	518	108+50.00	0	0	85
16+00.00	0	239	18	61+00.00	83	146	80	87+00.00	0	67	259	109+00.00	0	1	50
16+50.00	0	438	20	61+50.00	144	241	12	87+50.00	0	128	124	109+39.00	0	1	7
17+00.00	0	784	10	62+00.00	149	236	53	88+00.00	0	145	108				
17+50.00	0	790	8	62+50.00	149	215	52	88+50.00	0	102	116	Station PHASE III L (RT)	Undercut	Uncl. Exc.	Embt
17+80.00	0	211	3	63+00.00	138	159	35	89+00.00	0	37	119	(cu. yd.)	(cu. yd.)	(cu. yd.)	
				63+50.00	94	86	120	89+50.00	0	0	121				
Station PHASE I L TEMP. WIDEN.	Undercut (cu. yd.)	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	64+00.00	37	33	248	89+60.00	0	1	21	50+00.00	0	0	0
				64+50.00	18	19	362	90+00.00	0	6	75	50+50.00	8	73	0
				65+00.00	25	27	439	90+50.00	0	48	68	51+00.00	11	45	21
85+50.00	0	0	0	65+50.00	31	31	449	91+00.00	0	114	29	51+50.00	13	14	40
86+00.00	0	12	6	66+00.00	20	15	454	91+50.00	0	144	9	51+75.00	7	9	26
86+50.00	19	36	7	66+50.00	4	6	365	92+00.00	0	152	3	52+00.00	6	7	41
87+00.00	39	45	5	67+00.00	30	40	141	92+30.00	0	105	2	52+50.00	11	12	80
87+50.00	0	71	3	67+50.00	89	112	78	92+50.00	8	75	0	53+00.00	10	11	58
88+00.00	0	111	2	67+75.00	44	56	33	92+90.00	7	70	0	53+50.00	7	9	62
88+50.00	0	92	2	68+00.00	7	54	0	93+00.00	0	0	0	54+00.00	5	5	73
89+00.00	0	59	1	68+50.00	47	160	17	93+50.00	36	118	0	54+50.00	3	4	86
89+50.00	0	41	2	69+00.00	52	152	38	94+00.00	48	218	0	55+00.00	7	6	90
90+00.00	0	32	2	69+50.00	32	96	75	94+50.00	41	171	0	55+50.00	4	5	85
90+50.00	0	37	0	70+00.00	0	49	93	95+00.00	34	105	0	56+00.00	2	2	85
91+00.00	0	55	0	70+50.00	0	32	80	95+50.00	0	38	9	56+50.00	5	4	91
91+50.00	0	63	1	71+00.00	0	20	86	95+80.00	0	3	5	57+00.00	2	3	79
92+00.00	0	63	5	71+50.00	0	8	115	96+00.00	0	15	0	57+50.00	0	1	56
92+30.00	0	50	5	72+00.00	0	27	140	96+50.00	0	42	21	58+00.00	0	3	37
92+50.00	10	39	5	72+50.00	0	383	143	97+00.00	0	7	39	58+50.00	0	3	22
				73+00.00	0	1178	111	97+50.00	0	7	38	59+00.00	0	1	23
Station PHASE II L (LT)	Undercut (cu. yd.)	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	73+50.00	0	1845	72	98+00.00	0	6	42	59+50.00	0	0	14
				74+00.00	0	2018	87	98+50.00	0	6	46	60+00.00	0	0	1
				74+50.00	0	1802	144	99+00.00	0	7	45	60+50.00	0	0	0
50+00.00	0	0	0	75+00.00	0	1229	226	99+50.00	0	9	45	67+00.00	0	0	0
50+50.00	8	77	105	75+48.00	0	449	602	100+00.00	0	9	35	67+50.00	0	1	8
51+00.00	37	53	230					100+50.00	0	3	12	67+75.00	0	1	9
51+50.00	14	16	216	Station PHASE II L (LT)	Undercut (cu. yd.)	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	101+00.00	0	0	1	68+00.00	0	5	8
51+75.00	5	4	94					101+50.00	8	30	8	68+50.00	0	10	16
52+00.00	4	4	101					102+00.00	17	40	26	69+00.00	0	9	30
52+50.00	9	9	233	78+00.00	0	0	0	102+50.00	15	20	38	69+50.00	0	23	33
53+00.00	10	10	278	78+50.00	0	653	3126	103+00.00	17	24	37	70+00.00	0	15	45
53+50.00	9	9	337	79+00.00	0	0	2850	103+50.00	19	30	37	70+50.00	0	0	101
54+00.00	8	8	385	79+50.00	0	0	2443	104+00.00	18	25	42	71+00.00	0	0	155
54+50.00	10	12	395	80+00.00	0	0	2004	104+50.00	14	18	52	71+50.00	0	0	170
55+00.00	20	22	389	80+50.00	0	0	1678	105+00.00	21	23	48	72+00.00	0	0	172

PROJECT REFERENCE NO.	SHEET NO.
LI-5798A	RW6
<b>Location and Surveys</b>	
DIVISION OF HIGHWAYS LOCATION AND SURVEYS DIVISION 6 FIELD OFFICE	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Keith E. Honeycutt, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 10/12/2021 to 2/17/2022, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

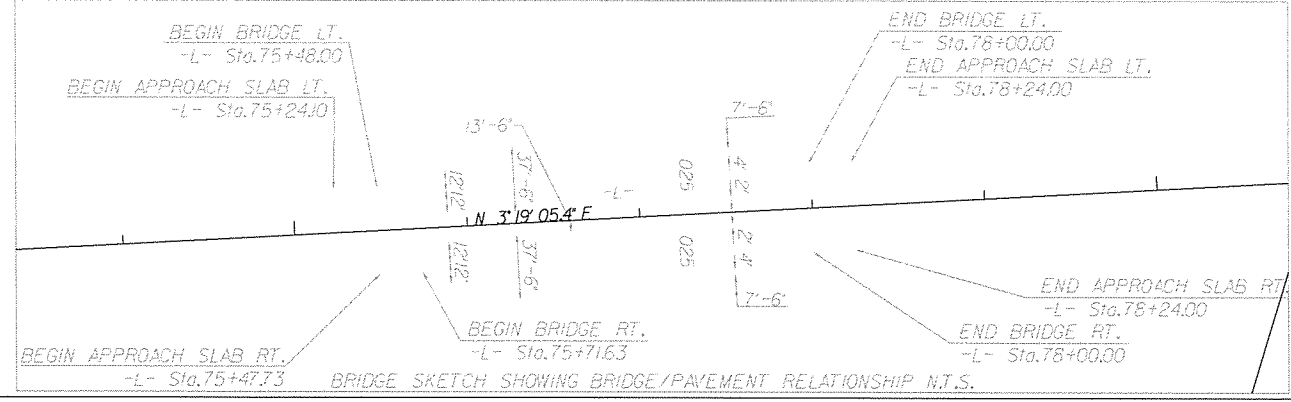
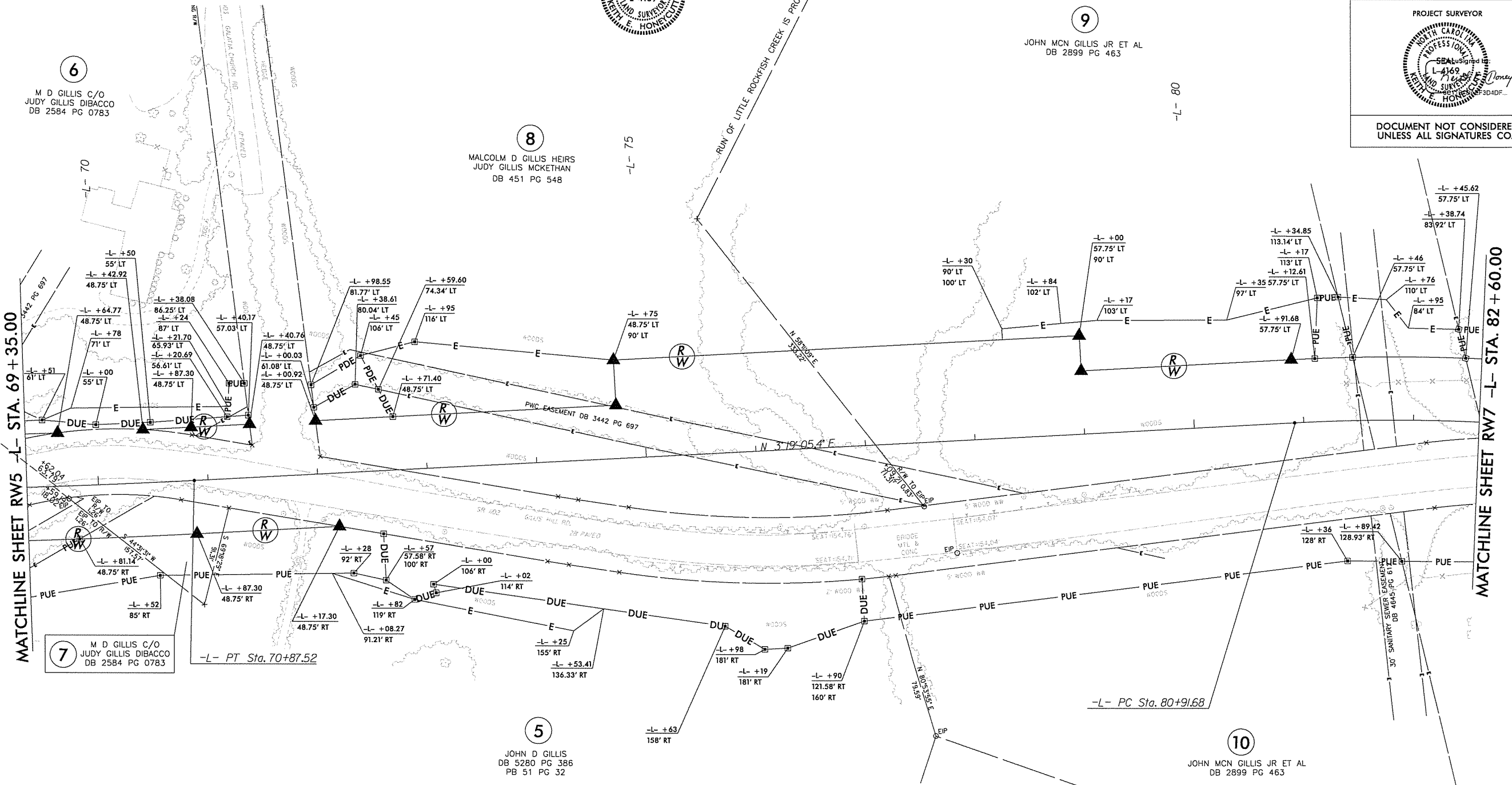
This 17th day of February, 2022.  
DocuSigned by:  
*Keith E. Honeycutt*  
Professional Land Surveyor L-4169



9  
JOHN MCN GILLIS JR ET AL  
DB 2899 PG 463

6  
M D GILLIS C/O  
JUDY GILLIS DIBACCO  
DB 2584 PG 0783

8  
MALCOLM D GILLIS HEIRS  
JUDY GILLIS MCKETHAN  
DB 451 PG 548



**NOTES:**

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 10/12/2021 TO 2/17/2022.

11  
DOUGLAS KEITH MILLER & WIFE  
KATHRYN GILLIS  
DB 4227 PG 487

REVISIONS

12/06/07

COMPUTED BY: CLR DATE: 11/15/2021  
CHECKED BY: CJY DATE: 12/29/2021

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO. U-5798A SHEET NO. 3B-1



SUMMARY OF EARTHWORK  
IN CUBIC YARDS

Table with columns: STATION, UNCL EXCAV., UNDERCUT EXCAV., EMBANK., BORROW, WASTE. Includes subtotals for PHASE I, II, III, IV and GRAND TOTALS.

SUMMARY OF EXISTING  
ASPHALT PAVEMENT REMOVAL

Table with columns: SURVEY LINE, STATION, STATION, LOCATION L/R/CL, YD'. Includes a TOTAL row showing 4,777.17 YD' and a SAY row showing 5,300.

SUMMARY OF BREAKING  
EXISTING ASPHALT PAVEMENT

Table with columns: SURVEY LINE, STATION, STATION, LOCATION L/R/CL, YD'. Includes a TOTAL row showing 3,345.44 and a SAY row showing 3,700.

Earthwork quantities are calculated by the Roadway Design Unit. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

SELECT GRANULAR MATERIAL, CLASS III = 2,740 CY  
GEOTEXTILE FOR SOIL STABILIZATION = 18,525 SY  
CLASS IV SUBGRADE STABILIZATION = 10,500 TONS  
CLASS IV AGGREGATE STABILIZATION = 300 TONS  
DRAINAGE DITCH EXCAVATION = 1,270 CY

ACCEPTABLE UNCLASSIFIED EXCAVATION NOT TO BE USED IN THE TOP 3' OF EMBANKMENTS: 35 CUBIC YARDS  
LINE STATIONS  
-L- 69+25 TO 69+75  
-L- 104+25 TO 105+25  
-DETOUR- 12+25.00 TO 12+75

"N" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL.  
TOTAL SHOULDER WIDTH = DISTANCE FROM EDGE OF TRAVEL LANE TO SHOULDER BREAK POINT.  
FLARE LENGTH = DISTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL.  
W = TOTAL WIDTH OF FLARE FROM BEGINNING OF TAPER TO END OF GUARDRAIL.  
G = GATING IMPACT ATTENUATOR TYPE 350  
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

GUARDRAIL SUMMARY

Large table with columns: SURVEY LINE, BEG. STA., END STA., LOCATION, LENGTH (FT), WARRANT POINT, "N" DIST. FROM E.O.L., TOTAL SHOUL. WIDTH, FLARE LENGTH (FT), W, ANCHORS, IMPACT ATTENUATOR TYPE 350, SINGLE FACED GUARDRAIL, REMOVE EXISTING GUARDRAIL, REMOVE AND STOCKPILE EXISTING GUARDRAIL, REMARKS.

ANCHOR DEDUCTION  
TYPE III: 8 @ 18.75' = 150'  
TYPE TL-3: 2 @ 50' = 100'  
TYPE CAT-1: 2 @ 6.25' = 12.50'  
IA-MASH, TL-3: 2 @ 25' = 50'  
GRAND TOTAL = 312.50'  
ADDITIONAL GUARDRAIL POSTS = 5

TEMP GUARDRAIL SUMMARY

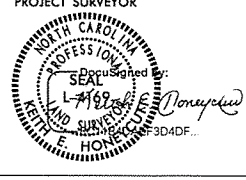
Table with columns: SURVEY LINE, BEG. STA., END STA., LOCATION, LENGTH (FT), WARRANT POINT, "N" DIST. FROM E.O.L., TOTAL SHOUL. WIDTH, FLARE LENGTH (FT), W, ANCHORS, IMPACT ATTENUATOR TYPE 350, SINGLE FACED GUARDRAIL, REMOVE EXISTING GUARDRAIL, REMOVE AND STOCKPILE EXISTING GUARDRAIL, REMARKS.

TEMPORARY QUANTITIES  
GUARDRAIL = 687.5'  
TYPE TL-3: 3 @ 50' = 150'  
RELAP GUARDRAIL = 525'

18-JAN-2022 08:51 U:\5798A\U-5798A-Rdly-sum.dgn



# RIGHT OF WAY CONTROL SHEET

<b>PROJECT REFERENCE NO.</b> U-5798A	<b>SHEET NO.</b> RW03E-1
<b>Location and Surveys</b>	
<small>DIVISION OF HIGHWAYS LOCATION AND SURVEYS DIVISION 6 FIELD OFFICE</small>	
<b>PROJECT SURVEYOR</b>  <small>Professional Land Surveyor L-4169 20174046F304DF</small>	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

ALIGN	STATION	OFFSET	NORTH	EAST
L	49+70.47	120.27	458999.5081	1983409.4657
L	50-58.79	54.75	459100.8288	1983368.6237
L	50+70.15	-126.43	459159.4506	1983196.8123
L	51+06.67	-80.50	459182.8896	1983250.9053
L	51+88.33	-66.75	459258.4062	1983286.5584
L	53-58.38	-66.25	459422.4575	1983336.1246
L	53-58.38	54.75	459386.7221	1983451.7273
L	56+03.87	54.75	459624.4835	1983520.2025
L	57+06.09	-66.75	459754.0853	1983428.5694
L	58-06.09	-54.75	459847.4655	1983464.0119
L	59+05.40	-54.75	459943.4575	1983486.3379
L	62+05.41	-48.75	460234.1076	1983551.6394
L	62+99.00	-120.00	460337.5246	1983497.4401
L	62+99.00	-48.75	460325.6721	1983567.6974
L	65-06.00	-48.75	460607.6388	1983609.5188
L	65-06.00	-125.00	460617.3170	1983533.8866
L	68+40.51	48.75	460849.9183	1983734.2922
L	69+64.77	-48.75	460981.8738	1983647.5014
L	70+42.92	-48.75	461059.3113	1983652.8922
L	70+87.30	-48.75	461103.3110	1983655.5803
L	70+87.30	48.75	461097.6646	1983752.9167
L	71+40.76	-48.75	461156.6838	1983658.6747
L	72+00.92	-48.75	461216.7366	1983662.1565
L	72+17.30	48.75	461227.4515	1983760.4414
L	74+75.00	-48.75	461490.3590	1983678.0205
L	74+75.00	-90.00	461492.7466	1983636.8397
L	79+00.00	-90.00	461917.0341	1983661.4390
L	79+00.00	-57.75	461915.1674	1983693.6349
L	80+91.68	-57.75	462106.5225	1983704.7293
L	85+12.00	85.48	462490.2289	1983919.0919
L	85+12.00	112.00	462482.3339	1983944.4087
L	86+14.49	-57.75	462632.9984	1983816.8852
L	86+14.49	-48.75	462629.8122	1983825.3023
L	88+27.00	91.25	462763.5774	1984038.9076
L	88+27.00	112.00	462753.8952	1984057.2616
L	89+60.59	-48.75	462947.7991	1983983.8344
L	91+43.64	-48.75	463102.5797	1984081.5434
L	92+17.84	48.75	463114.6100	1984203.4714
L	92+40.00	-48.75	463183.6063	1984131.1063
L	92+57.87	-93.32	463221.2948	1984101.5825
L	93+19.45	-100.01	463276.5366	1984125.5412
L	93+23.56	-60.75	463260.8356	1984161.7433
L	94+38.48	-60.75	463360.2360	1984215.2081
L	95+32.26	-82.94	463452.2923	1984236.3491
L	95+33.81	-49.31	463439.0592	1984267.3072
L	96+09.71	-85.95	463521.9691	1984265.6391
L	96+17.78	-62.39	463519.4438	1984290.3585
L	96+37.54	48.75	463492.0030	1984399.8495
L	99+95.02	-64.16	463863.8711	1984449.3978
L	100+38.00	-90.00	463914.1835	1984445.5097
L	100+99.00	-90.00	463969.2202	1984473.1999
L	101+54.28	48.75	463955.3900	1984621.9599
L	102+00.00	-60.75	464046.4031	1984545.8022
L	103+54.27	72.75	464119.7342	1984736.0941
L	103+89.94	-60.75	464215.0010	1984636.0115
L	104+89.94	-48.75	464297.1039	1984695.3879
L	105+13.21	-48.75	464317.4766	1984706.8979
L	105+34.51	-63.36	464343.3270	1984704.7851
L	105+96.36	-64.76	464398.0415	1984734.5895
L	106+12.50	72.75	464342.9868	1984861.6384
L	106+12.50	-60.75	464410.0821	1984746.2160
L	107+64.95	-60.75	464541.8797	1984822.8356
L	107+93.19	-57.36	464564.5911	1984839.9586
L	108+86.27	72.75	464579.6721	1984999.2256

ALIGN	STATION	OFFSET	NORTH	EAST
L	49+17.42	253.45	458916.0827	1983525.5155
L	49+38.70	263.59	458933.5702	1983540.4487
L	50+05.10	98.47	459038.1138	1983397.0620
L	50+59.98	74.96	459096.6631	1983388.4379
L	50+82.10	-111.33	459167.1446	1983214.5688
L	53+00.00	-120.00	459381.7573	1983267.4533
L	53-58.78	75.00	459381.2545	1983471.2339
L	54+50.00	-120.00	459524.3202	1983310.5289
L	56+00.00	-120.00	459666.3089	1983350.4880
L	57+00.00	-110.00	459758.9410	1983385.1737
L	57-54.17	77.00	459765.7563	1983579.7074
L	58+15.54	77.41	459825.9319	1983594.7472
L	58+50.00	-85.00	459896.7470	1983444.5881
L	59+32.00	198.00	459914.5685	1983738.8642
L	59+54.32	108.08	459956.1352	1983655.9390
L	59+84.00	210.00	459964.2613	1983761.9633
L	60+00.00	-97.00	460043.9246	1983465.0414
L	60+07.10	120.67	460005.9211	1983679.4830
L	60+51.00	-75.00	460088.7832	1983496.8391
L	62+99.00	-75.00	460330.0388	1983541.8132
L	65+86.00	-95.22	460613.5341	1983563.4247
L	66+08.00	-82.00	460633.4327	1983579.2683
L	66+93.38	-143.80	460724.1922	1983527.8341
L	67+06.28	-170.48	460739.7012	1983502.7212
L	67+19.15	-125.76	460747.3295	1983548.5502
L	67+37.85	-149.51	460768.1144	1983526.9171
L	67+75.00	-65.00	460795.7664	1983614.7591
L	68+14.99	-118.40	460840.3000	1983565.5020
L	68+41.91	91.08	460847.4349	1983776.5734
L	68+48.07	121.93	460850.8440	1983807.8643
L	68+53.04	-60.11	460872.3094	1983627.0268
L	68+60.00	48.75	460869.4597	1983736.0710
L	68+77.18	-97.39	460899.3951	1983592.0084
L	68+88.00	123.00	460891.1968	1983812.5125
L	68+88.00	107.00	460892.5639	1983796.5710
L	68+88.00	-59.83	460907.6098	1983630.4222
L	69+04.59	-84.01	460925.2271	1983607.6452
L	69+18.17	48.75	460927.8105	1983741.0661
L	69+51.00	-61.00	460969.1801	1983634.2512
L	69+81.14	48.75	460991.0119	1983745.9428
L	70+00.00	-55.00	461017.2153	1983643.8009
L	70+50.00	-55.00	461066.7244	1983647.1017
L	70+52.00	85.00	461059.9144	1983786.9503
L	71+20.69	-56.61	461137.0955	1983649.6611
L	71+24.00	-87.00	461142.1614	1983619.5185
L	71+38.08	-86.25	461156.1727	1983621.0824
L	71+40.17	-57.03	461156.5709	1983650.3694
L	71+98.55	-81.77	461216.2867	1983629.0581
L	72+00.03	-61.08	461216.5686	1983649.7914
L	72+28.00	92.00	461235.6264	1983804.2380
L	72+38.61	-80.04	461256.1751	1983633.1007
L	72+45.00	-106.00	461264.0583	1983607.5539
L	72+57.00	100.00	461264.1147	1983813.9831
L	72+57.00	57.58	461266.5698	1983771.5584
L	72+59.60	-74.34	461276.8031	1983640.0072
L	72+71.40	-48.75	461287.1037	1983666.2362
L	72+82.00	119.00	461287.9731	1983834.3183
L	72+95.00	-116.00	461314.5532	1983600.4647
L	73+00.00	106.00	461306.6953	1983822.3820
L	73+02.00	114.00	461308.2289	1983830.4843
L	75+63.00	158.00	461566.2446	1983889.5174
L	75+98.00	181.00	461599.8547	1983914.5847
L	76+19.00	181.00	461620.8195	1983915.7202
L	76+90.00	160.00	461692.9160	1983898.8649
L	76+90.00	121.58	461695.1398	1983860.5080
L	81+12.61	-57.75	462128.1129	1983706.1129
L	81+17.00	-113.00	462136.6500	1983651.3322
L	81+34.85	-113.14	462155.6216	1983652.6759
L	81+36.00	128.00	462136.6923	1983893.0698
L	81+45.99	-57.75	462162.5060	1983708.8629
L	81+89.42	128.93	462185.7896	1983898.8922
L	82+38.74	-83.92	462261.4444	1983694.0954
L	82+45.62	-57.75	462264.7447	1983721.0303
L	83+00.58	125.94	462288.0229	1983911.0158
L	83+16.00	125.00	462302.2448	1983912.7024

I, Keith E. Honeycutt, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 10/12/2021 to 2/17/2022, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 17th day of February, 2022.

Keith E. Honeycutt  
Professional Land Surveyor L-4169  
20174046F304DF



ALIGN	STATION	OFFSET	NORTH	EAST
L	84+63.00	-102.00	462496.2770	1983725.3671
L	84+66.00	-124.00	462505.3213	1983705.0590
L	85+01.00	-95.00	462532.8666	1983743.3743
L	85+04.00	-118.00	462542.6389	1983722.3113
L	87+12.00	-69.00	462730.7658	1983844.9386
L	88+13.00	-69.00	462825.4395	1983890.4312
L	88+32.00	-104.00	462859.3639	1983868.6956
L	88+52.00	-108.00	462879.9535	1983875.2443
L	88+65.18	-78.75	462878.0033	1983907.5687
L	88+65.18	-48.75	462863.4202	1983933.7858
L	89+11.00	153.00	462801.5536	1984130.8702
L	89+16.00	169.00	462797.2833	1984146.9421
L	89+34.00	151.00	462820.5571	1984139.9530
L	89+38.00	163.00	462817.3982	1984152.0870
L	89+65.00	-78.75	462967.5383	1983960.8178
L	90+35.00	-100.00	463038.0742	1983980.2153
L	90+42.95	-78.90	463033.5359	1984002.3009
L	90+60.00	-110.00	463064.5524	1983985.1044
L	90+74.56	-78.96	463060.2945	1984019.1236
L	90+98.00	-79.00	463078.4461	1984030.5353
L	90+97.00	127.00	462969.3271	1984205.2638
L	91+01.00	142.00	462964.7024	1984220.0831
L	91+18.00	123.00	462989.2201	1984213.0914
L	91+21.00	137.00	462984.2836	1984226.5313
L	92+38.00	-92.00	463203.9770	1984092.9038
L	92+52.67	-132.76	463236.9130	1984065.0098
L	92+65.00	111.00	463124.4383	1984281.6232
L	92+68.00	103.00	463131.1365	1984276.2652
L	92+85.00	117.00	463139.3227	1984297.1681
L	92+			