



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

J. ERIC BOYETTE  
SECRETARY

August 7, 2023

CONTRACT: DB00541  
TIP NUMBER: W-5702I  
WBS ELEMENT: 44848.3.9  
COUNTY: BEAUFORT  
ROUTE: US 264 AT NC 32  
DESCRIPTION: ROUNDABOUT CONSTRUCTION AT US 264 AT NC 32 IN  
BEAUFORT COUNTY

**ADDENDUM 1**

TO: PROSPECTIVE BIDDERS

Please note the following revisions to the proposal.

- Revised TMP Plan pages TMP-2 and TMP-5 to TMP-7.
- Revision of PMP Plan pages PMP-1 and PMP-2.
- Removal of Item Number 58. Revision of Item Number 59 to Thermoplastic Pavement Marking Lines (6", 90 Mils) with 8,200 LF. Revision of Item Number 60 quantity to 1,750 LF.
- Addition of Permit Pages P1-P25.
- Please see attached page A1-A38 that adds the US Army Corps of Engineers Section 404 and NC DEQ Public Water Supply Permits to the Proposal.
- A revised electronic file has been uploaded to bid express named DB00541.001.

**Please make sure to sign the addendum page in the proposal to acknowledge this addendum.**

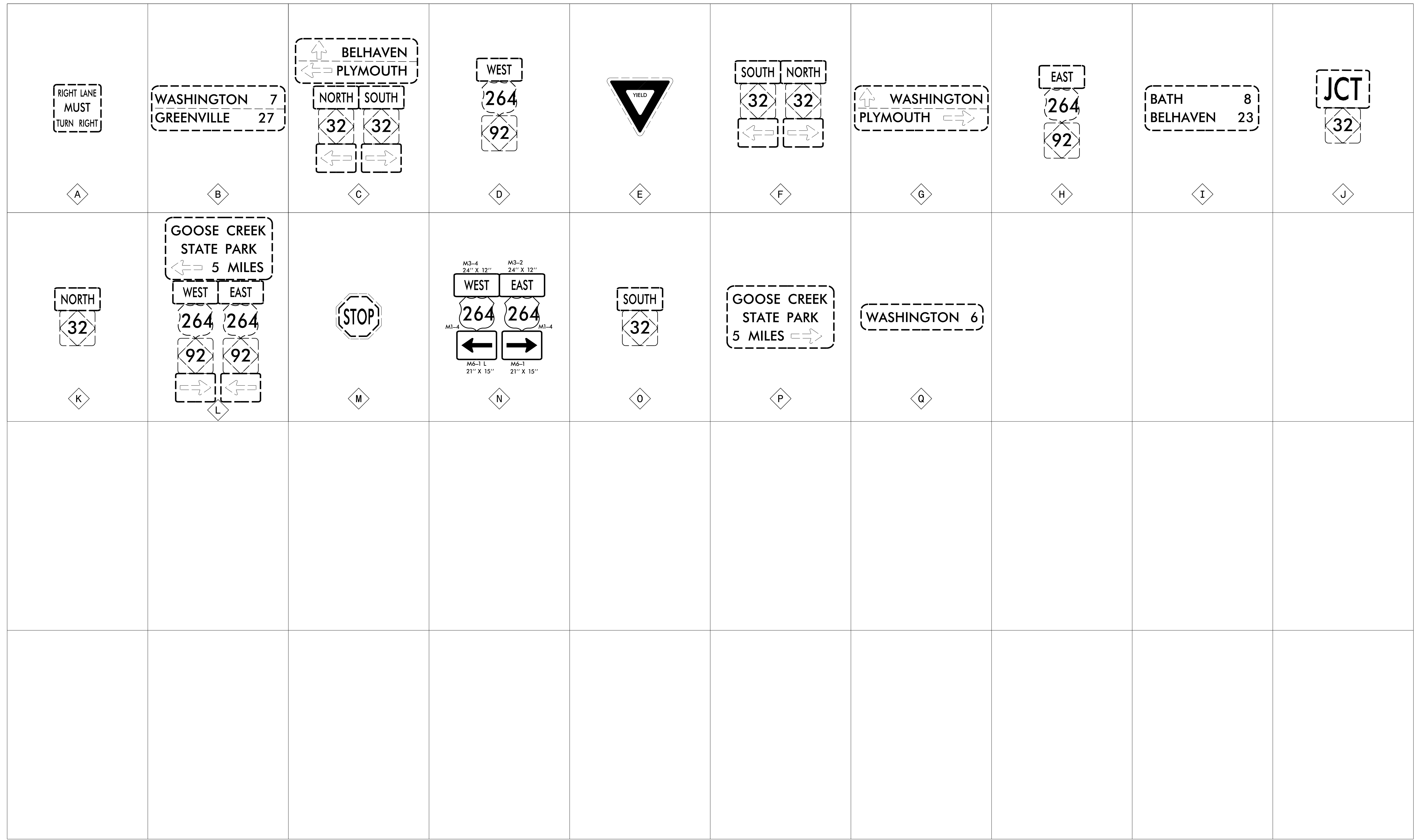
Sincerely,

DocuSigned by:  
*Mary Voelker Moore*  
714C11DCCCEBC4C6...

Mary Voelker Moore, PE  
Division Contract Engineer

cc: Ms. Heather C. Lane, PE  
Ms. Sarah Lentine, PE  
Mr. Cadmus Capehart, PE  
Mr. Jordan Scott, PE  
Mr. Lang Jones  
Mr. Chris Smith  
Mr. Jim Evans

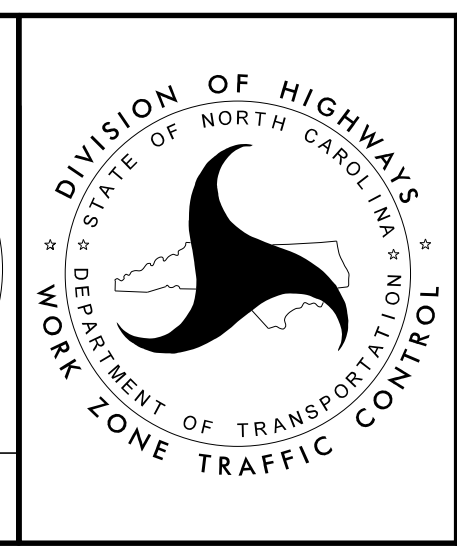
PROJ. REFERENCE NO.	SHEET NO.
W-5702I	TMP-02



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**ETHERILL ENGINEERING**  
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 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 - GEOTECH - CONSTRUCTION OBSERVATION

APPROVED: *Bob A. May*  
DocuSigned by:  
Bob A. May  
51308442429493  
 DATE: 8/3/2023



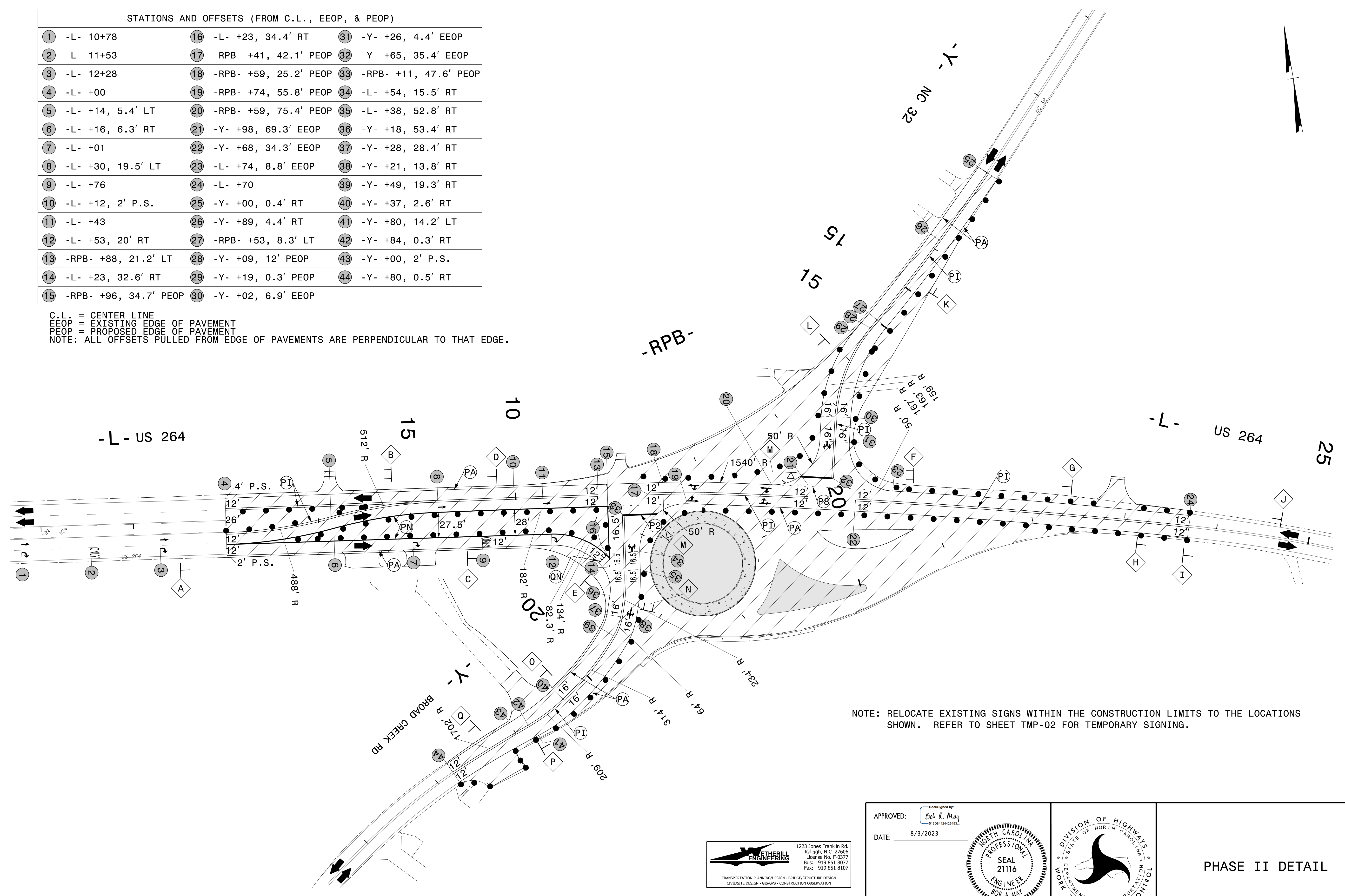
**TEMPORARY SIGNING LAYOUT**

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PROJ. REFERENCE NO.	SHEET NO.
W-5702I	TMP-05

STATIONS AND OFFSETS (FROM C.L., EEOP, & PEOP)		
1 -L- 10+78	16 -L- +23, 34.4' RT	31 -Y- +26, 4.4' EEOP
2 -L- 11+53	17 -RPB- +41, 42.1' PEOP	32 -Y- +65, 35.4' EEOP
3 -L- 12+28	18 -RPB- +59, 25.2' PEOP	33 -RPB- +11, 47.6' PEOP
4 -L- +00	19 -RPB- +74, 55.8' PEOP	34 -L- +54, 15.5' RT
5 -L- +14, 5.4' LT	20 -RPB- +59, 75.4' PEOP	35 -L- +38, 52.8' RT
6 -L- +16, 6.3' RT	21 -Y- +98, 69.3' EEOP	36 -Y- +18, 53.4' RT
7 -L- +01	22 -Y- +68, 34.3' EEOP	37 -Y- +28, 28.4' RT
8 -L- +30, 19.5' LT	23 -L- +74, 8.8' EEOP	38 -Y- +21, 13.8' RT
9 -L- +76	24 -L- +70	39 -Y- +49, 19.3' RT
10 -L- +12, 2' P.S.	25 -Y- +00, 0.4' RT	40 -Y- +37, 2.6' RT
11 -L- +43	26 -Y- +89, 4.4' RT	41 -Y- +80, 14.2' LT
12 -L- +53, 20' RT	27 -RPB- +53, 8.3' LT	42 -Y- +84, 0.3' RT
13 -RPB- +88, 21.2' LT	28 -Y- +09, 12' PEOP	43 -Y- +00, 2' P.S.
14 -L- +23, 32.6' RT	29 -Y- +19, 0.3' PEOP	44 -Y- +80, 0.5' RT
15 -RPB- +96, 34.7' PEOP	30 -Y- +02, 6.9' EEOP	

C.L. = CENTER LINE  
 EEOP = EXISTING EDGE OF PAVEMENT  
 PEOP = PROPOSED EDGE OF PAVEMENT  
 NOTE: ALL OFFSETS PULLED FROM EDGE OF PAVEMENTS ARE PERPENDICULAR TO THAT EDGE.



NOTE: RELOCATE EXISTING SIGNS WITHIN THE CONSTRUCTION LIMITS TO THE LOCATIONS SHOWN. REFER TO SHEET TMP-02 FOR TEMPORARY SIGNING.

8/2/2023  
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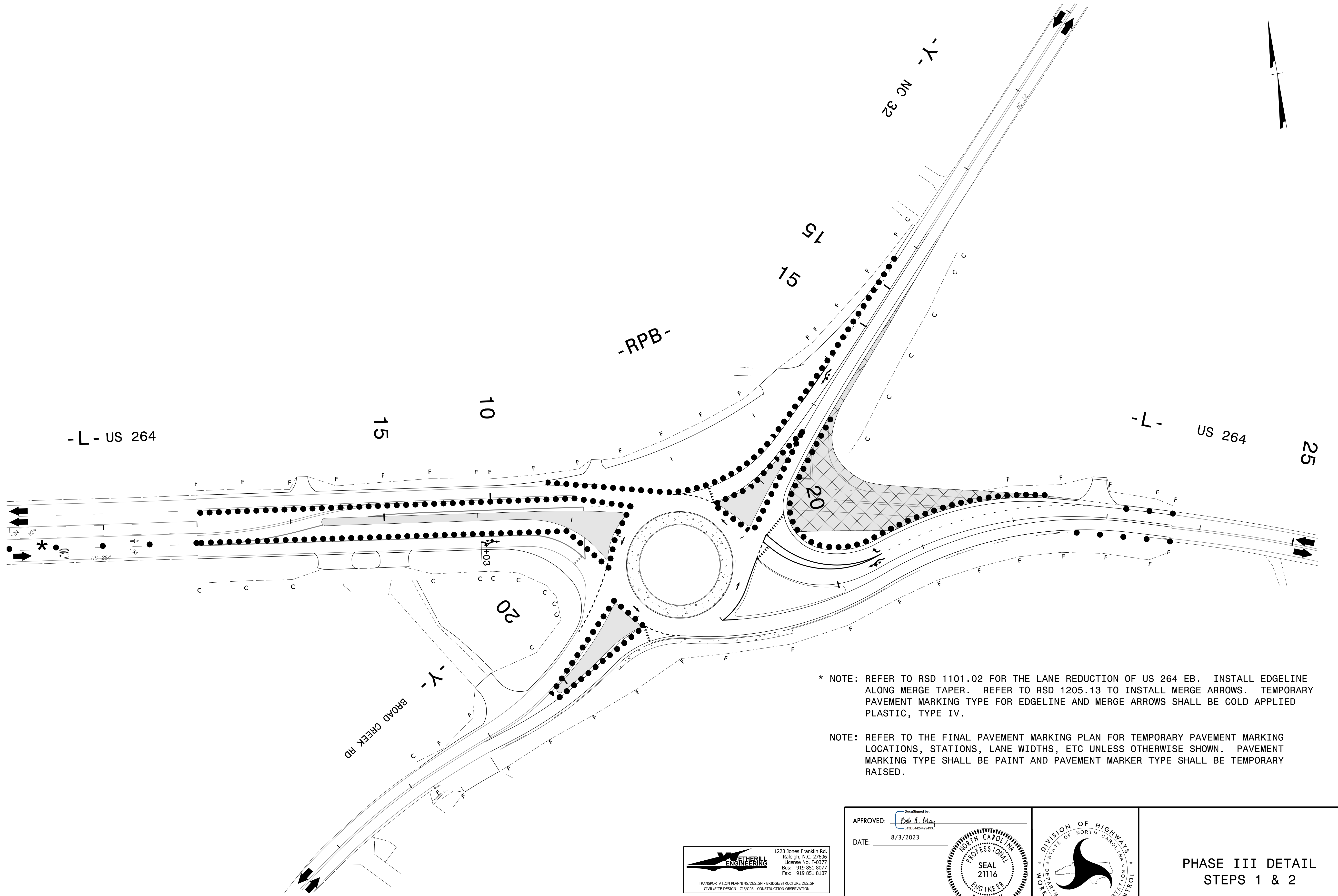
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 DATE: 8/3/2023  
  
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PHASE II DETAIL



PROJ. REFERENCE NO.	SHEET NO.
W-5702I	TMP-06



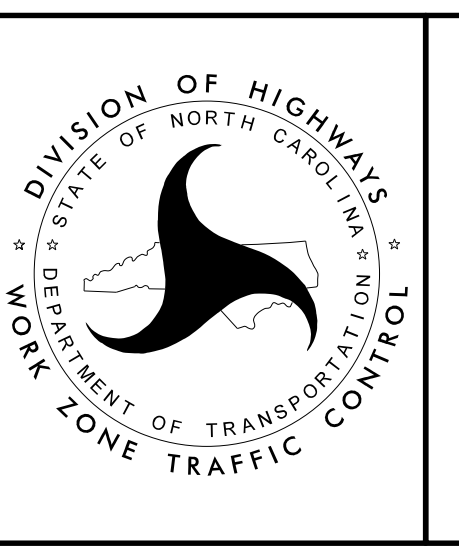
\* NOTE: REFER TO RSD 1101.02 FOR THE LANE REDUCTION OF US 264 EB. INSTALL EDGELINE ALONG MERGE TAPER. REFER TO RSD 1205.13 TO INSTALL MERGE ARROWS. TEMPORARY PAVEMENT MARKING TYPE FOR EDGELINE AND MERGE ARROWS SHALL BE COLD APPLIED PLASTIC, TYPE IV.

NOTE: REFER TO THE FINAL PAVEMENT MARKING PLAN FOR TEMPORARY PAVEMENT MARKING LOCATIONS, STATIONS, LANE WIDTHS, ETC UNLESS OTHERWISE SHOWN. PAVEMENT MARKING TYPE SHALL BE PAINT AND PAVEMENT MARKER TYPE SHALL BE TEMPORARY RAISED.

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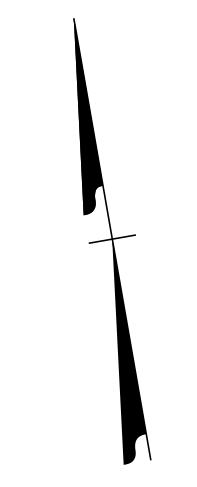
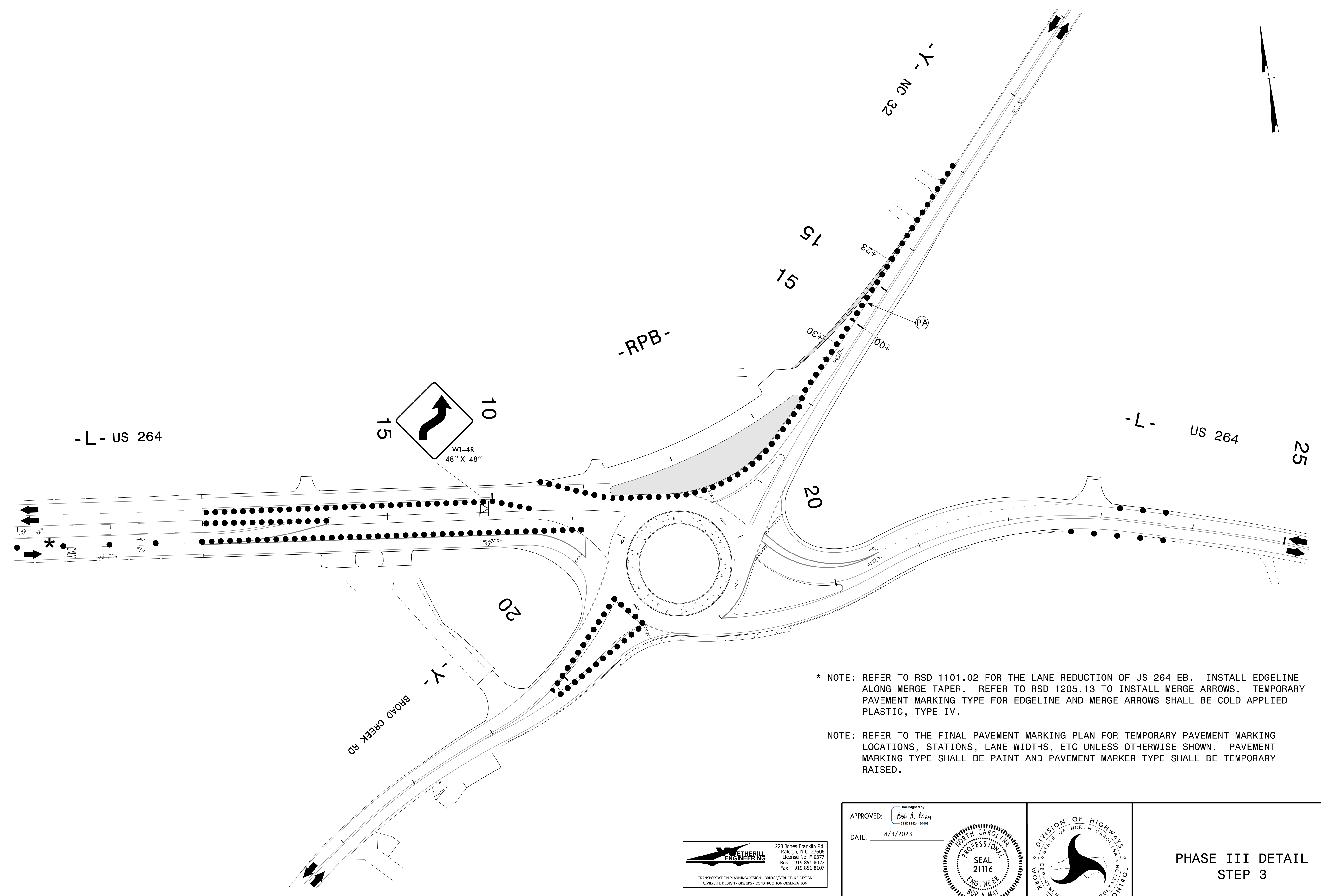
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APPROVED: *Bob A. May*  
 DATE: 8/3/2023  
  
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**PHASE III DETAIL**  
**STEPS 1 & 2**

PROJ. REFERENCE NO.	SHEET NO.
W-5702I	TMP-07



\* NOTE: REFER TO RSD 1101.02 FOR THE LANE REDUCTION OF US 264 EB. INSTALL EDGELINE ALONG MERGE TAPER. REFER TO RSD 1205.13 TO INSTALL MERGE ARROWS. TEMPORARY PAVEMENT MARKING TYPE FOR EDGELINE AND MERGE ARROWS SHALL BE COLD APPLIED PLASTIC, TYPE IV.

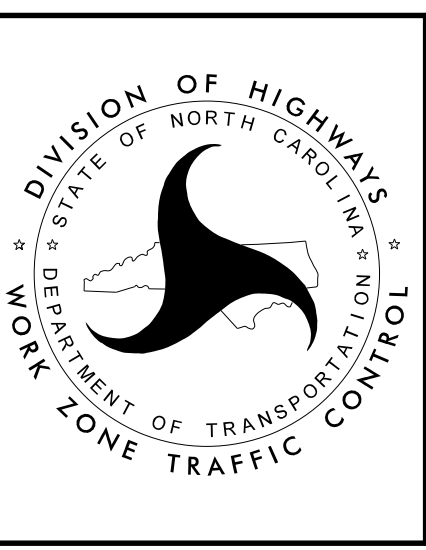
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DocuSigned by:  
 9130842428493  
 DATE: 8/3/2023

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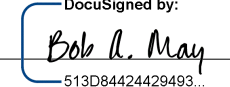
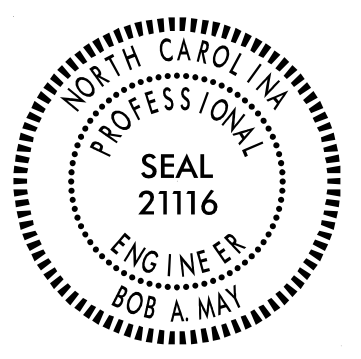


**PHASE III DETAIL  
STEP 3**



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN  
BEAUFORT COUNTY

TIP NO. W-5702I	SHEET NO. PMP-01
APPROVED:  DATE: 8/3/2023	
SEAL 	
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CONTRACT: NA T.I.P.: W-5702I

INDEX

SHEET NO.	DESCRIPTION
PMP-01	PAVEMENT MARKING PLAN TITLE AND SCHEDULE SHEET
PMP-02	PAVEMENT MARKING DETAIL

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTILANE ROADWAYS
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1253.01	RAISED PAVEMENT MARKERS - SNOWPLOWABLE

GENERAL NOTES

- THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.
- A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:
 

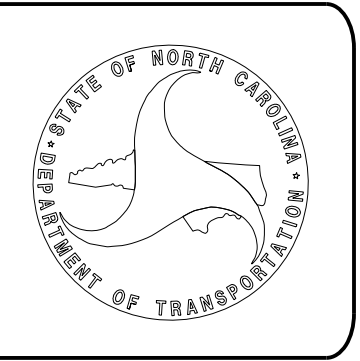
ROAD NAME	MARKING	MARKER
1. US 264 & NC 32	THERMOPLASTIC	SNOWPLOWABLE
  - B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
  - C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
  - D) PASSING ZONES WILL BE DETERMINED IN THE FIELD AND MUST BE APPROVED BY THE ENGINEER.
  - E) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF EXTRUDED THERMOPLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE EXTRUDED THERMOPLASTIC PAY ITEM.

FINAL PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION	PAY ITEM
T6	WHITE SOLID LINE	(6", 90 MILS) THERMOPLASTIC
T7	YELLOW SOLID LINE	(6", 90 MILS) THERMOPLASTIC
T10	3 FT. - 3 FT./SP WHITE MINISKIP	(12", 90 MILS) THERMOPLASTIC
T14	3 FT. - 9 FT./SP WHITE MINISKIP	(12", 90 MILS) THERMOPLASTIC
T16	YELLOW DOUBLE CENTER	(6", 90 MILS) THERMOPLASTIC
TJ	10 FT. WHITE SKIP LINE	(6", 90 MILS) THERMOPLASTIC
TK	3 FT. - 9 FT./SP WHITE MINISKIP	(6", 90 MILS) THERMOPLASTIC
TM	10 FT. YELLOW SKIP	(6", 90 MILS) THERMOPLASTIC
TS	WHITE GORELINE	(12", 90 MILS) THERMOPLASTIC
UB	RIGHT TURN ARROW	(90 MILS) THERMOPLASTIC
UC	STRAIGHT ARROW	(90 MILS) THERMOPLASTIC
UI	ALPHANUMERIC CHARACTER	(90 MILS) THERMOPLASTIC
UN	24" YIELD LINE TRIANGLE	(90 MILS) THERMOPLASTIC
YB	FISH-HOOK W/CIRCLE LEFT/STRAIGHT ARROW	(90 MILS) THERMOPLASTIC
ME	YELLOW & YELLOW	SNOWPLOWABLE RAISED PAVEMENT MARKERS
MF	CRYSTAL & RED	SNOWPLOWABLE RAISED PAVEMENT MARKERS

PLAN SUBMITTED TO:


**AYMAN I. ALQUDWAH, P.E., SIGNING AND DELINEATION REGIONAL ENGINEER**



PLAN PREPARED BY: **Wetherill Engineering, Inc.**

**BOB MAY, P.E.** PROJECT MANAGER


**D. ALLEN HAYES, E.I.** TRANSPORTATION MANAGEMENT ENGINEER

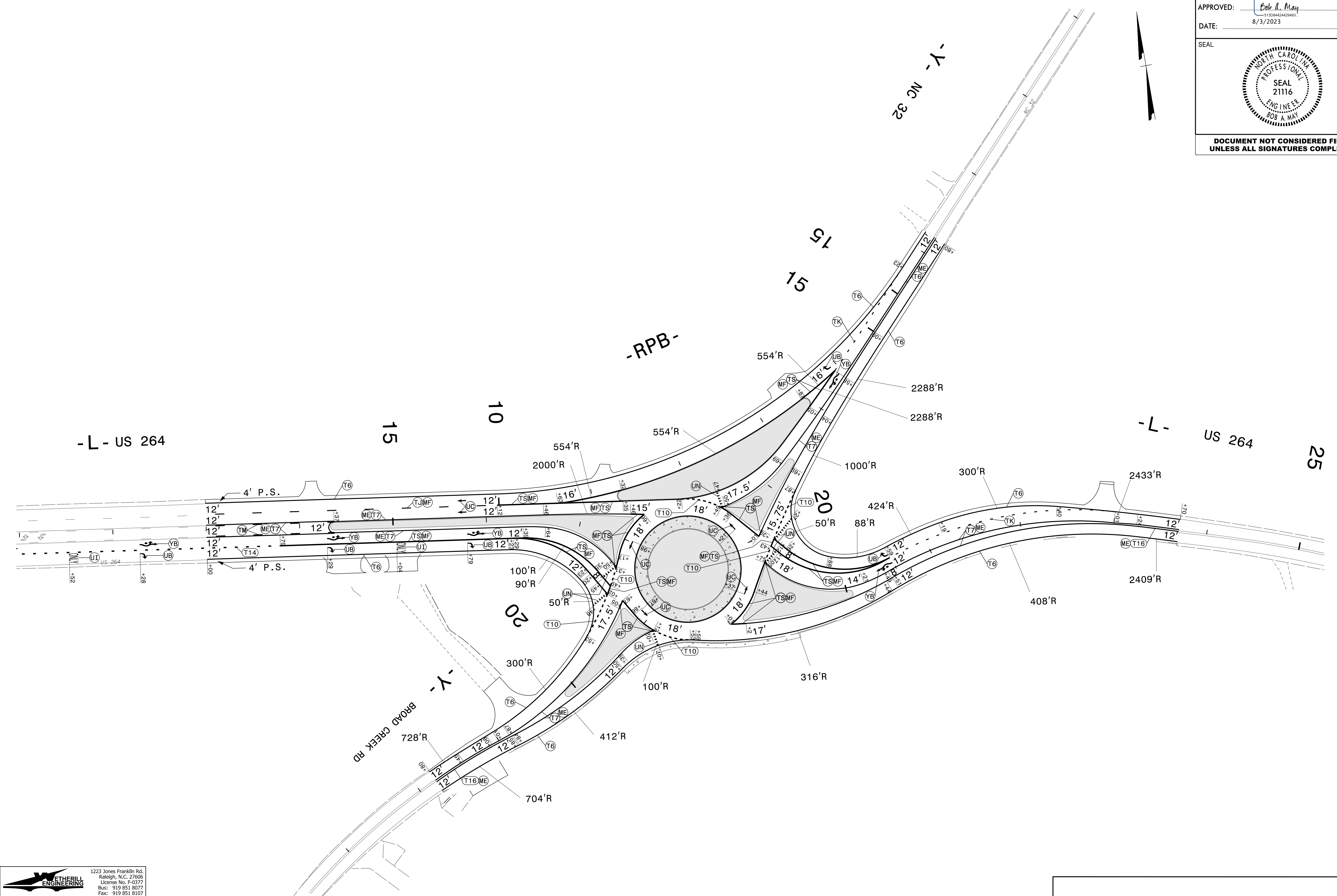


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TIP NO. W-57021	SHEET NO. PMP-02
APPROVED: <i>Bob A. May</i> 8/3/2023	
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TRANSPORTATION PLANNING DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

**PAVEMENT MARKING DETAIL**



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ITEMIZED PROPOSAL FOR CONTRACT NO. DB00541

County: BEAUFORT

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	0043000000-N	226	GRADING	Lump Sum	L.S.	
0004	0050000000-E	226	SUPPLEMENTARY CLEARING & GRUBBING	1 ACR		
0005	0057000000-E	226	UNDERCUT EXCAVATION	100 CY		
0006	0134000000-E	240	DRAINAGE DITCH EXCAVATION	3 CY		
0007	0195000000-E	265	SELECT GRANULAR MATERIAL	100 CY		
0008	0196000000-E	270	GEOTEXTILE FOR SOIL STABILIZATION	150 SY		
0009	0318000000-E	300	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	150 TON		
0010	0320000000-E	300	FOUNDATION CONDITIONING GEOTEXTILE	450 SY		
0011	0366000000-E	310	15" RC PIPE CULVERTS, CLASS III	104 LF		
0012	0384000000-E	310	30" RC PIPE CULVERTS, CLASS III	24 LF		
0013	0448200000-E	310	15" RC PIPE CULVERTS, CLASS IV	548 LF		
0014	0448300000-E	310	18" RC PIPE CULVERTS, CLASS IV	284 LF		
0015	0448400000-E	310	24" RC PIPE CULVERTS, CLASS IV	144 LF		
0016	0448500000-E	310	30" RC PIPE CULVERTS, CLASS IV	240 LF		
0017	0995000000-E	340	PIPE REMOVAL	494 LF		

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ITEMIZED PROPOSAL FOR CONTRACT NO. DB00541

County: BEAUFORT

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0018	1121000000-E	520	AGGREGATE BASE COURSE	240 TON		
0019	1220000000-E	545	INCIDENTAL STONE BASE	10 TON		
0020	1308000000-E	607	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 3")	1,500 SY		
0021	1491000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0C	1,650 TON		
0022	1503000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	1,420 TON		
0023	1519000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	2,090 TON		
0024	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	285 TON		
0025	1693000000-E	654	ASPHALT PLANT MIX, PAVEMENT REPAIR	160 TON		
0026	2022000000-E	815	SUBDRAIN EXCAVATION	25 CY		
0027	2026000000-E	815	GEOTEXTILE FOR SUBSURFACE DRAINS	100 SY		
0028	2036000000-E	815	SUBDRAIN COARSE AGGREGATE	18 CY		
0029	2044000000-E	815	6" PERFORATED SUBDRAIN PIPE	100 LF		
0030	2077000000-E	815	6" OUTLET PIPE	6 LF		
0031	2209000000-E	838	ENDWALLS	2 CY		
0032	2286000000-N	840	MASONRY DRAINAGE STRUCTURES	17 EA		
0033	2364000000-N	840	FRAME WITH TWO GRATES, STD 840.16	5 EA		
0034	2366000000-N	840	FRAME WITH TWO GRATES, STD 840.24	3 EA		

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ITEMIZED PROPOSAL FOR CONTRACT NO. DB00541

County: BEAUFORT

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0035	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	2 EA		
0036	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	3 EA		
0037	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	4 EA		
0038	2451000000-N	852	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	5 EA		
0039	2535000000-E	846	*** X *** CONCRETE CURB (8"X18")	280 LF		
0040	2538000000-E	846	**-*** CONCRETE CURB & GUTTER (2'-9")	900 LF		
0041	2542000000-E	846	1'-6" CONCRETE CURB & GUTTER	360 LF		
0042	2627000000-E	852	4" CONCRETE ISLAND COVER	650 SY		
0043	2655000000-E	852	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	1,920 SY		
0044	2739000000-E	852	GENERIC PAVING ITEM 12" CONCRETE TRUCK APRON	555 SY		
0045	3649000000-E	876	RIP RAP, CLASS B	26 TON		
0046	3656000000-E	876	GEOTEXTILE FOR DRAINAGE	300 SY		
0047	4400000000-E	1110	WORK ZONE SIGNS (STATIONARY)	150 SF		
0048	4405000000-E	1110	WORK ZONE SIGNS (PORTABLE)	710 SF		
0049	4415000000-N	1115	FLASHING ARROW BOARD	1 EA		
0050	4420000000-N	1120	PORTABLE CHANGEABLE MESSAGE SIGN	5 EA		
0051	4430000000-N	1130	DRUMS	310 EA		



County: BEAUFORT

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0052	4434000000-N	SP	SEQUENTIAL FLASHING WARNING LIGHTS	12 EA		
0053	4455000000-N	1150	FLAGGER	230 DAY		
0054	4480000000-N	1165	TMA	1 EA		
0055	4510000000-N	1190	LAW ENFORCEMENT	230 HR		
0056	4520000000-N	1266	TUBULAR MARKERS (FIXED)	40 EA		
0057	4650000000-N	1251	TEMPORARY RAISED PAVEMENT MARKERS	290 EA		
0059	4688000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	8,200 LF		
0060	4700000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	1,750 LF		
0061	4720000000-E	1205	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)	10 EA		
0062	4725000000-E	1205	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	65 EA		
0063	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	27,240 LF		
0064	4820000000-E	1205	PAINT PAVEMENT MARKING LINES (8")	4,260 LF		
0065	4825000000-E	1205	PAINT PAVEMENT MARKING LINES (12")	270 LF		
0066	4835000000-E	1205	PAINT PAVEMENT MARKING LINES (24")	250 LF		
0067	4840000000-N	1205	PAINT PAVEMENT MARKING CHARACTER	20 EA		
0068	4845000000-N	1205	PAINT PAVEMENT MARKING SYMBOL	155 EA		
0069	4850000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (4")	4,050 LF		

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ITEMIZED PROPOSAL FOR CONTRACT NO. DB00541

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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0070	4860000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (8")	110 LF		
0071	4875000000-N	1205	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	20 EA		
0072	4905100000-N	SP	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER	90 EA		
0073	5325800000-E	1510	8" WATER LINE	215 LF		
0074	5326200000-E	1510	12" WATER LINE	368 LF		
0075	5326600000-E	1510	16" WATER LINE	1,001 LF		
0076	5327000000-E	1510	20" WATER LINE	840 LF		
0077	5329000000-E	1510	DUCTILE IRON WATER PIPE FITTINGS	13,725 LB		
0078	5559000000-E	1515	20" VALVE	1 EA		
0079	5606000000-E	1515	2" BLOW OFF	1 EA		
0080	5801000000-E	1530	ABANDON 8" UTILITY PIPE	212 LF		
0081	5804000000-E	1530	ABANDON 12" UTILITY PIPE	370 LF		
0082	5810000000-E	1530	ABANDON 16" UTILITY PIPE	914 LF		
0083	5812000000-E	1530	ABANDON 20" UTILITY PIPE	950 LF		
0084	5836200000-E	1540	30" ENCASEMENT PIPE	100 LF		
0085	6000000000-E	1605	TEMPORARY SILT FENCE	1,385 LF		
0086	6006000000-E	1610	STONE FOR EROSION CONTROL, CLASS A	165 TON		

County: BEAUFORT

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0087	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	270 TON		
0088	6012000000-E	1610	SEDIMENT CONTROL STONE	225 TON		
0089	6015000000-E	1615	TEMPORARY MULCHING	3 ACR		
0090	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	200 LB		
0091	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEEDING	1 TON		
0092	6024000000-E	1622	TEMPORARY SLOPE DRAINS	200 LF		
0093	6029000000-E	SP	SAFETY FENCE	220 LF		
0094	6030000000-E	1630	SILT EXCAVATION	430 CY		
0095	6036000000-E	1631	MATTING FOR EROSION CONTROL	1,540 SY		
0096	6042000000-E	1632	1/4" HARDWARE CLOTH	450 LF		
0097	6071010000-E	SP	WATTLE	60 LF		
0098	6071012000-E	SP	COIR FIBER WATTLE	150 LF		
0099	6071020000-E	SP	POLYACRYLAMIDE (PAM)	70 LB		
0100	6084000000-E	1660	SEEDING & MULCHING	3 ACR		
0101	6087000000-E	1660	MOWING	3 ACR		
0102	6090000000-E	1661	SEED FOR REPAIR SEEDING	50 LB		
0103	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	0.25 TON		



Aug 07, 2023 8:17 AM

ITEMIZED PROPOSAL FOR CONTRACT NO. DB00541

County: BEAUFORT

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0104	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	75 LB		
0105	6108000000-E	1665	FERTILIZER TOPDRESSING	1.75 TON		
0106	6114500000-N	1667	SPECIALIZED HAND MOWING	10 MHR		
0107	6114800000-N	SP	MANUAL LITTER REMOVAL	2 MHR		
0108	6114900000-E	SP	LITTER DISPOSAL	2 TON		
0109	6115000000-E	SP	MECHANICAL LITTER REMOVAL	1 SMI		
0110	6117000000-N	SP	RESPONSE FOR EROSION CONTROL	25 EA		
0111	6117500000-N	SP	CONCRETE WASHOUT STRUCTURE	2 EA		
0112	7948000000-N	1757	TRAFFIC SIGNAL REMOVAL	1 EA		

0817/Aug07/Q88142/D423160542000/E111

Total Amount Of Bid For Entire Project :

**PROJECT SPECIAL PROVISION**

(10-18-95) (Rev. 9-19-23)

Z-1

**PERMITS**

The Contractor's attention is directed to the following permits, which have been issued to the Department of Transportation by the authority granting the permit.

<b><u>PERMIT</u></b>	<b><u>AUTHORITY GRANTING THE PERMIT</u></b>
Dredge and Fill and/or Work in Navigable Waters (404)	U. S. Army Corps of Engineers
Public Water Supply, Authorization to Construct	Division of Water Resources, DEQ State of North Carolina

The Contractor shall comply with all applicable permit conditions during construction of this project.

Agents of the permitting authority will periodically inspect the project for adherence to the permits.

The Contractor's attention is also directed to Articles 107-10 and 107-13 of the *Standard Specifications* and the following:

Should the Contractor propose to utilize construction methods (such as temporary structures or fill in waters and/or wetlands for haul roads, work platforms, cofferdams, etc.) not specifically identified in the permit (individual, general, or nationwide) authorizing the project it shall be the Contractor's responsibility to coordinate with the Engineer to determine what, if any, additional permit action is required. The Contractor shall also be responsible for initiating the request for the authorization of such construction method by the permitting agency. The request shall be submitted through the Engineer. The Contractor shall not utilize the construction method until it is approved by the permitting agency. The request normally takes approximately 60 days to process; however, no extensions of time or additional compensation will be granted for delays resulting from the Contractor's request for approval of construction methods not specifically identified in the permit.

**Where construction moratoriums are contained in a permit condition which restricts the Contractor's activities to certain times of the year, those moratoriums will apply only to the portions of the work taking place in the restricted waters, wetlands or buffer zones, provided that activities outside those areas is done in such a manner as to not affect the restricted waters, wetlands or buffer zones.**

**U.S. ARMY CORPS OF ENGINEERS  
WILMINGTON DISTRICT**

Action Id. **SAW-2023-00223** County: **Beaufort County** U.S.G.S. Quad: **Bunyan**

**GENERAL PERMIT (REGIONAL AND NATIONWIDE) VERIFICATION**

Permittee: **Jay Johnson**  
**NC DOT, Div 2**  
 Address: **1037 W. H. Smith Blvd**  
**Greenville NC, 27834**  
 Telephone Number: **\*\*\*\*\***

Size (acres) **5** Nearest Town **Washington**  
 Nearest Waterway **Pineygrove Branch** River Basin **Pamlico**  
 USGS HUC **03020104** Coordinates Latitude: **35.52865**; Longitude: **-76.94876**  
 Location description: **US 264 and NC 32 Douglas Crossroads near Washington, Beaufort County North Carolina**

Description of projects area and activity: Construct roundabout. This verification authorizes 0.01 acres of wetland impacts.

Applicable Law:  Section 404 (Clean Water Act, 33 USC 1344);  
 Section 10 (Rivers and Harbors Act, 33 USC 403)

Authorization: Regional General Permit Number and/or Nationwide Permit Number: **NWP 14 Linear Transportation Projects**  
**SEE ATTACHED RGP or NWP GENERAL, REGIONAL AND/OR SPECIAL CONDITIONS**

**Your work is authorized by the above referenced permit provided it is accomplished in strict accordance with the attached conditions and your submitted application and attached information dated January 24, 2023 Any violation of the attached conditions or deviation from your submitted plans may subject the permittee to a stop work order, a restoration order, a Class I administrative penalty, and/or appropriate legal action.**

This verification will remain valid until the expiration date identified below unless the nationwide and/or regional general permit authorization is modified, suspended or revoked. If, prior to the expiration date identified below, the nationwide and/or regional general permit authorization is reissued and/or modified, this verification will remain valid until the expiration date identified below, provided it complies with all requirements of the modified nationwide permit. If the nationwide and/or regional general permit authorization expires or is suspended, revoked, or is modified, such that the activity would no longer comply with the terms and conditions of the nationwide permit, activities which have commenced (i.e., are under construction) or are under contract to commence in reliance upon the nationwide and/or regional general permit, will remain authorized provided the activity is completed within twelve months of the date of the nationwide and/or regional general permit's expiration, modification or revocation, unless discretionary authority has been exercised on a case-by-case basis to modify, suspend or revoke the authorization.

Activities subject to Section 404 (as indicated above) may also require an individual Section 401 Water Quality Certification. You should contact the NC Division of Water Resources (telephone 919-807-6300) to determine Section 401 requirements.



For activities occurring within the twenty coastal counties subject to regulation under the Coastal Area Management Act (CAMA), prior to beginning work you must contact the N.C. Division of Coastal Management in Morehead City, NC, at (252) 808-2808.

This Department of the Army verification does not relieve the permittee of the responsibility to obtain any other required Federal, State or local approvals/permits.

If there are any questions regarding this verification, any of the conditions of the Permit, or the Corps of Engineers regulatory program, please contact **Thomas Steffens at (910) 251-4615 or Thomas.A.Steffens@usace.army.mil.**

Corps Regulatory Official: \_\_\_\_\_ Date: **February 14, 2023**  
Expiration Date of Verification: **March 14, 2026**

The Wilmington District is committed to providing the highest level of support to the public. To help us ensure we continue to do so, please complete our Customer Satisfaction Survey, located online at <https://regulatory.ops.usace.army.mil/customer-service-survey/>

Copy furnished:

**U.S. ARMY CORPS OF ENGINEERS  
WILMINGTON DISTRICT**

Action Id. **SAW-2023-00223**County: **Beaufort County**

**NOTIFICATION OF JURISDICTIONAL DETERMINATION**

Property Owner/Applicant: **NC DOT, Div 2****Jay Johnson**Address: **1037 W. H. Smith Blvd****Greenville, NC, 27834**Telephone Number: **—****\*\***

Size (acres) 5

Nearest Town **Washington**Nearest Waterway **Pineygrove Branch**River Basin **Pamlico**USGS HUC **03020104** Coordinates Latitude: **35.52865**; Longitude: **-76.94876****Location description: US 264 and NC 32 Douglas Crossroads near Washington, Beaufort County North Carolina****Indicate Which of the Following Apply:****A. Preliminary Determination**

**X** There appear to be waters, including wetlands, on the above described property, that may be subject to Section 404 of the Clean Water Act (CWA)(33 USC § 1344) and/or Section 10 of the Rivers and Harbors Act (RHA) (33 USC § 403). The waters, including wetlands, have been delineated, and the delineation has been verified by the Corps to be sufficiently accurate and reliable. Therefore this preliminary jurisdiction determination may be used in the permit evaluation process, including determining compensatory mitigation. For purposes of computation of impacts, compensatory mitigation requirements, and other resource protection measures, a permit decision made on the basis of a preliminary JD will treat all waters and wetlands that would be affected in any way by the permitted activity on the site as if they are jurisdictional waters of the U.S. This preliminary determination is not an appealable action under the Regulatory Program Administrative Appeal Process (Reference 33 CFR Part 331). However, you may request an approved JD, which is an appealable action, by contacting the Corps district for further instruction.

**—** There appear to be waters, including wetlands, on the above described property, that may be subject to Section 404 of the Clean Water Act (CWA)(33 USC § 1344) and/or Section 10 of the Rivers and Harbors Act (RHA) (33 USC § 403). The waters, including wetlands, have been delineated, and the delineation has been verified by the Corps to be sufficiently accurate and reliable. Therefore this preliminary jurisdiction determination may be used in the permit evaluation process, including determining compensatory mitigation. For purposes of computation of impacts, compensatory mitigation requirements, and other resource protection measures, a permit decision made on the basis of a preliminary JD will treat all waters and wetlands that would be affected in any way by the permitted activity on the site as if they are jurisdictional waters of the U.S. This preliminary determination is not an appealable action under the Regulatory Program Administrative Appeal Process (Reference 33 CFR Part 331). However, you may request an approved JD, which is an appealable action, by contacting the Corps district for further instruction.

- There appear to be waters, including wetlands, on the above described property, that may be subject to Section 404 of the Clean Water Act (CWA)(33 USC § 1344) and/or Section 10 of the Rivers and Harbors Act (RHA) (33 USC § 403). However, since the waters, including wetlands, have not been properly delineated, this preliminary jurisdiction determination may not be used in the permit evaluation process. Without a verified wetland delineation, this preliminary determination is merely an effective presumption of CWA/RHA jurisdiction over all of the waters, including wetlands, at the project area, which is not sufficiently accurate and reliable to support an enforceable permit decision. We recommend that you have the waters of the U.S., including wetlands, on your property delineated. As the Corps may not be able to accomplish this wetland delineation in a timely manner, you may wish to obtain a consultant to conduct a delineation that can be verified by the Corps.

### **B. Approved Determination**

- There are Navigable Waters of the United States within the above described property subject to the permit requirements of Section 10 of the Rivers and Harbors Act (RHA) (33 USC § 403) and Section 404 of the Clean Water Act (CWA)(33 USC § 1344). Unless there is a change in law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.
- There are waters of the U.S., including wetlands, on the above described property subject to the permit requirements of Section 404 of the Clean Water Act (CWA) (33 USC § 1344). Unless there is a change in law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.
  - We recommend you have the waters of the U.S., including wetlands, on your property delineated. As the Corps may not be able to accomplish this wetland delineation in a timely manner, you may wish to obtain a consultant to conduct a delineation that can be verified by the Corps.
  - The waters of the U.S., including wetlands, on your property have been delineated and the delineation has been verified by the Corps. We strongly suggest you have this delineation surveyed. Upon completion, this survey should be reviewed and verified by the Corps. Once verified, this survey will provide an accurate depiction of all areas subject to CWA jurisdiction on your property which, unless there is a change in law or our published regulations, may be relied upon for a period not to exceed five years from the date of this notification.
  - The waters of the U.S., including wetlands, have been delineated and surveyed and are accurately depicted on the plat signed by the Corps Regulatory Official identified below on \_\_\_\_\_ . Unless there is a change in law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.
- There are no waters of the U.S., to include wetlands, present on the above described property which are subject to the permit requirements of Section 404 of the Clean Water Act (33 USC 1344). Unless there is a change in law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.

- The property is located in one of the 20 Coastal Counties subject to regulation under the Coastal Area Management Act (CAMA). You should contact the Division of Coastal Management in Morehead City, NC, at (252) 808-2808 to determine their requirements.

Placement of dredged or fill material within waters of the US, including wetlands, without a Department of the Army permit may constitute a violation of Section 301 of the Clean Water Act (33 USC § 1311). Placement of dredged or fill material, construction or placement of structures, or work within navigable waters of the United States without a Department of the Army permit may constitute a violation of Sections 9 and/or 10 of the Rivers and Harbors Act (33 USC § 401 and/or 403). If you have any questions regarding this determination and/or the Corps regulatory program, please contact **Thomas Steffens at (910) 251-4615 or [Thomas.A.Steffens@usace.army.mil](mailto:Thomas.A.Steffens@usace.army.mil)**.

***C. Basis For Determination: N/A. An Approved JD has not been completed.***

***D. Remarks:***

#### **E. Attention USDA Program Participants**

The delineation included herein has been conducted to identify the location and extent of the aquatic resource boundaries and/or the jurisdictional status of aquatic resources for purposes of the Clean Water Act for the particular site identified in this request. This delineation and/or jurisdictional determination may not be valid for the Wetland Conservation Provisions of the Food Security Act of 1985, as amended. If you or your tenant are USDA program participants, or anticipate participation in USDA programs, you should discuss the applicability of a certified wetland determination with the local USDA service center, prior to starting work.

#### **F. Appeals Information for Approved Jurisdiction Determinations (as indicated in Section B. above)**

If you object to this determination, you may request an administrative appeal under Corps regulations at 33 CFR Part 331. Enclosed you will find a Notification of Appeal Process (NAP) fact sheet and Request for Appeal (RFA) form. If you request to appeal this determination you must submit a completed RFA form to the following address:

US Army Corps of Engineers  
South Atlantic Division  
Attn: Mr. Philip A. Shannin  
Administrative Appeal Review Officer  
60 Forsyth Street SW, Floor M9  
Atlanta, Georgia 30303-8803

**AND**

**[PHILIP.A.SHANNIN@USACE.ARMY.MIL](mailto:PHILIP.A.SHANNIN@USACE.ARMY.MIL)**

In order for an RFA to be accepted by the Corps, the Corps must determine that it is complete, that it meets the criteria for appeal under 33 CFR part 331.5, and that it has been received by the Division Office within 60 days of the date of the NAP. Should you decide to submit an RFA form, it must be received at the above address by   .

**It is not necessary to submit an RFA form to the Division Office if you do not object to the determination in this correspondence.**

Corps Regulatory Official: \_\_\_\_\_

Date of JD: **February 14, 2023** Expiration Date: **\*\*5 years if AJD\*\*N/A if PJD**

The Wilmington District is committed to providing the highest level of support to the public. To help us ensure we continue to do so, please complete our Customer Satisfaction Survey, located online at <https://regulatory.ops.usace.army.mil/customer-service-survey/>.

Copy Furnished:

**SAW-2023-00223****SPECIAL CONDITIONS**

**1. CONSTRUCTION PLANS:** All work authorized by this permit must be performed in strict compliance with the attached plans dated originally 01-25-2023, which are a part of this permit. Any modification to these plans must be approved by the US Army Corps of Engineers (USACE) prior to implementation.

**2. UNAUTHORIZED DREDGE OR FILL:** Except as authorized by this permit or any USACE approved modification to this permit, no excavation, fill or mechanized land-clearing activities shall take place at any time in the construction or maintenance of this project, within waters or wetlands. This permit does not authorize temporary placement or double handling of excavated or fill material within waters or wetlands outside the permitted area. This prohibition applies to all borrow and fill activities connected with this project.

**3. MAINTAIN CIRCULATION AND FLOW OF WATERS:** Except as specified in the plans attached to this permit, no excavation, fill or mechanized land-clearing activities shall take place at any time in the construction or maintenance of this project, in such a manner as to impair normal flows and circulation patterns within waters or wetlands or to reduce the reach of waters or wetlands.

**4. DEVIATION FROM PERMITTED PLANS:** The permittee shall ensure that the construction design plans for this project do not deviate from the permit plans attached to this authorization. Written verification shall be provided that the final construction drawings comply with the attached permit drawings prior to any active construction in waters of the United States, including wetlands. Any deviation in the construction design plans will be brought to the attention of the Corps of Engineers, Mr. Tom Steffens Regulatory Field Office prior to any active construction in waters or wetlands.

**6. WATER CONTAMINATION:** All mechanized equipment will be regularly inspected and maintained to prevent contamination of waters and wetlands from fuels, lubricants, hydraulic fluids, or other toxic materials. In the event of a spill of petroleum products or any other hazardous waste, the permittee shall immediately report it to the N.C. Division of Water Quality at (919) 733-3300 or (800) 858-0368 and provisions of the North Carolina Oil Pollution and Hazardous Substances Control Act will be followed.

**7. SILT-FENCING:** The permittee shall employ all sedimentation and erosion control measures necessary to prevent an increase in sedimentation or turbidity within waters and wetlands outside the permit area. This shall include, but is not limited to, the immediate installation of silt fencing or similar appropriate devices around all areas subject to soil disturbance or the movement of earthen fill, and the immediate stabilization of all disturbed areas. Additionally, the project must remain in full compliance with all aspects of the Sedimentation Pollution Control Act of 1973 (North Carolina General Statutes Chapter 113A Article 4).



**10. TEMPORARY FILLS:** Temporary fills must be removed in their entirety and the affected areas returned to pre-construction elevations. The affected areas must be re-vegetated, as appropriate.

Due to the possibility that compaction and/or other site alterations might prevent the temporary coastal wetland impact area from re-attaining jurisdictional coastal wetland status; the permittee shall provide an update on the wetland areas temporarily impacted by the temporary detour bridge. This update shall be conducted two growing seasons after completion of the work and shall consist of photographs and a brief report on the progress of the areas in re-attaining coastal wetland jurisdictional status. Upon submission of this update to the Corps and NCDWR, the permittee shall schedule an agency field meeting with the Corps and NCDWR to determine if the wetland areas temporarily impacted by this project have re-attained jurisdictional coastal wetland status. If the wetland areas temporarily impacted by this project have not re-attained jurisdictional coastal wetland status, the Corps shall determine if additional compensatory coastal wetland mitigation is to be required.

**11.** The U.S. Fish and Wildlife Service's (USFWS's) Programmatic Biological Opinion (PBO) titled, "NCDOT Program Effects on the Northern Long-eared Bat in Divisions 1-8", dated November 6, 2020, contains agreed upon conservation measures for the NLEB. As noted in the PBO, applicability of these conservation measures varies depending on the location of the project. Your authorization under this Department of the Army permit is conditional upon your compliance with all applicable conservation measures in the PBO, which are incorporated by reference in this permit. Failure to comply with the applicable conservation measures would constitute non-compliance with your Department of the Army permit. The USFWS is the appropriate authority to determine compliance with the terms and conditions of its PBO, and with the ESA.

**Action ID Number: SAW-2023-00223****County: Beaufort County****Permittee: Jay Johnson  
NC DOT, Div 2****Project Name: NCDOT / US 264 and NC 32 / Douglas Crossroad / Beaufort County / Div 2****Date Verification Issued: February 14, 2023****Project Manager: Thomas Steffens**

**Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the following address:**

**US ARMY CORPS OF ENGINEERS  
WILMINGTON DISTRICT  
Attn: Thomas Steffens**

**Please note that your permitted activity is subject to a compliance inspection by a U. S. Army Corps of Engineers representative. Failure to comply with any terms or conditions of this authorization may result in the Corps suspending, modifying or revoking the authorization and/or issuing a Class I administrative penalty, or initiating other appropriate legal action.**



**I hereby certify that the work authorized by the above referenced permit has been completed in accordance with the terms and condition of the said permit, and required mitigation was completed in accordance with the permit conditions.**

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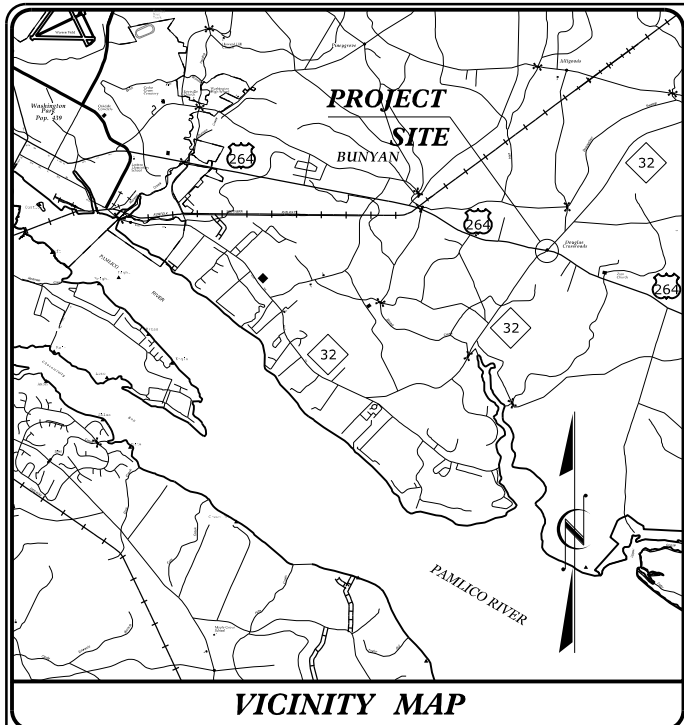
**Signature of Permittee**

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**Date**

		North Carolina Department of Transportation Highway Stormwater Program STORMWATER MANAGEMENT PLAN FOR NCDOT PROJECTS					
(Version 2.01; Released December 2014)							
<b>WBS Element:</b> 44848.1.9		<b>TIP No.:</b> 320113		<b>County(ies):</b> Beaufort		<b>Page</b> 1 <b>of</b> 1	
General Project Information							
<b>WBS Element:</b> 44848.1.9		<b>TIP Number:</b> W5702i		<b>Project Type:</b> Other		<b>Date:</b> 1/10/2019	
<b>NCDOT Contact:</b> Jay B. Johnson		<b>Contractor / Designer:</b>		Wetherill Engineering, Inc. / Ana Passman, PE CFM			
<b>Address:</b> Highway Division 2, Project Development Unit 1037 W.H. Smith Blvd Greenville, NC 27835		<b>Address:</b> 1223 Jones Franklin Rd. Raleigh, NC 27606					
<b>Phone:</b> (252) 439-2821		<b>Phone:</b> 919-851-8077					
<b>Email:</b> <a href="mailto:bjohnson@ncdot.gov">bjohnson@ncdot.gov</a>		<b>Email:</b> <a href="mailto:apassman@wetherilleng.com">apassman@wetherilleng.com</a>					
<b>City/Town:</b>		N/A		<b>County(ies):</b> Beaufort			
<b>River Basin(s):</b> Tar-Pamlico		<b>CAMA County?</b>		Yes			
<b>Wetlands within Project Limits?</b> Yes							
Project Description							
<b>Project Length (lin. miles or feet):</b> 0.20		<b>Surrounding Land Use:</b> Rural, Agricultural, with some woods					
Proposed Project				Existing Site			
<b>Project Built-Up Area (ac.):</b> 4.8 ac.		<b>Project Built-Up Area (ac.):</b> 4.4 ac.					
<b>Typical Cross Section Description:</b> Roundabout at the intersection of US264 and NC32, 12 ft lanes (see plan sheet).		At grade intersection of US264 and NC32, 12 ft. lanes (see plan sheet).					
<b>Annual Avg Daily Traffic (veh/hr/day):</b>		Design/Future: 13,850 Year: 2039		Existing: 11,350		Year: 2019	
<b>General Project Narrative: (Description of Minimization of Water Quality Impacts)</b>		A roundabout is an intersection requiring entering traffic to yield the right of way to traffic already in the roundabout. This keeps the traffic in the roundabout flowing and prevents traffic backups and delays. The drainage patterns were maintained, and the use of grassed shallow slope ditches were maximized by eliminating preliminarily proposed curb and gutter on the outside lanes.					
Waterbody Information							
<b>Surface Water Body (1):</b> Broad Creek approx. 1.4 miles from project		<b>NCDWR Stream Index No.:</b> 29-10-(3)					
<b>NCDWR Surface Water Classification for Water Body</b>		<b>Primary Classification:</b> Class SB		None			
		<b>Supplemental Classification:</b> Nutrient Sensitive Waters (NSW)		None			
<b>Other Stream Classification:</b> None							
<b>Impairments:</b> None							
<b>Threatened/Endangered Species?</b> No		Comments:					
<b>NRTR Stream ID:</b>				<b>Buffer Rules in Effect:</b> Tar-Pamlico			
<b>Project Includes Bridge Spanning Water Body?</b> No		<b>Deck Drains Discharge Over Buffer?</b> No		<b>Dissipator Pads Provided in Buffer?</b> N/A			
(If yes, provide justification in the General Project Narrative)		(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)			

**TIP PROJECT: W-57021**



PRELIMINARY PLANS

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

# BEAUFORT COUNTY

**LOCATION: DOUGLAS CROSSROADS  
INTERSECTION OF US 264 AND NC 32**

**TYPE OF WORK: GRADING, DRAINAGE, AND PAVING**

**WETLAND AND SURFACE WATER IMPACTS PERMIT**

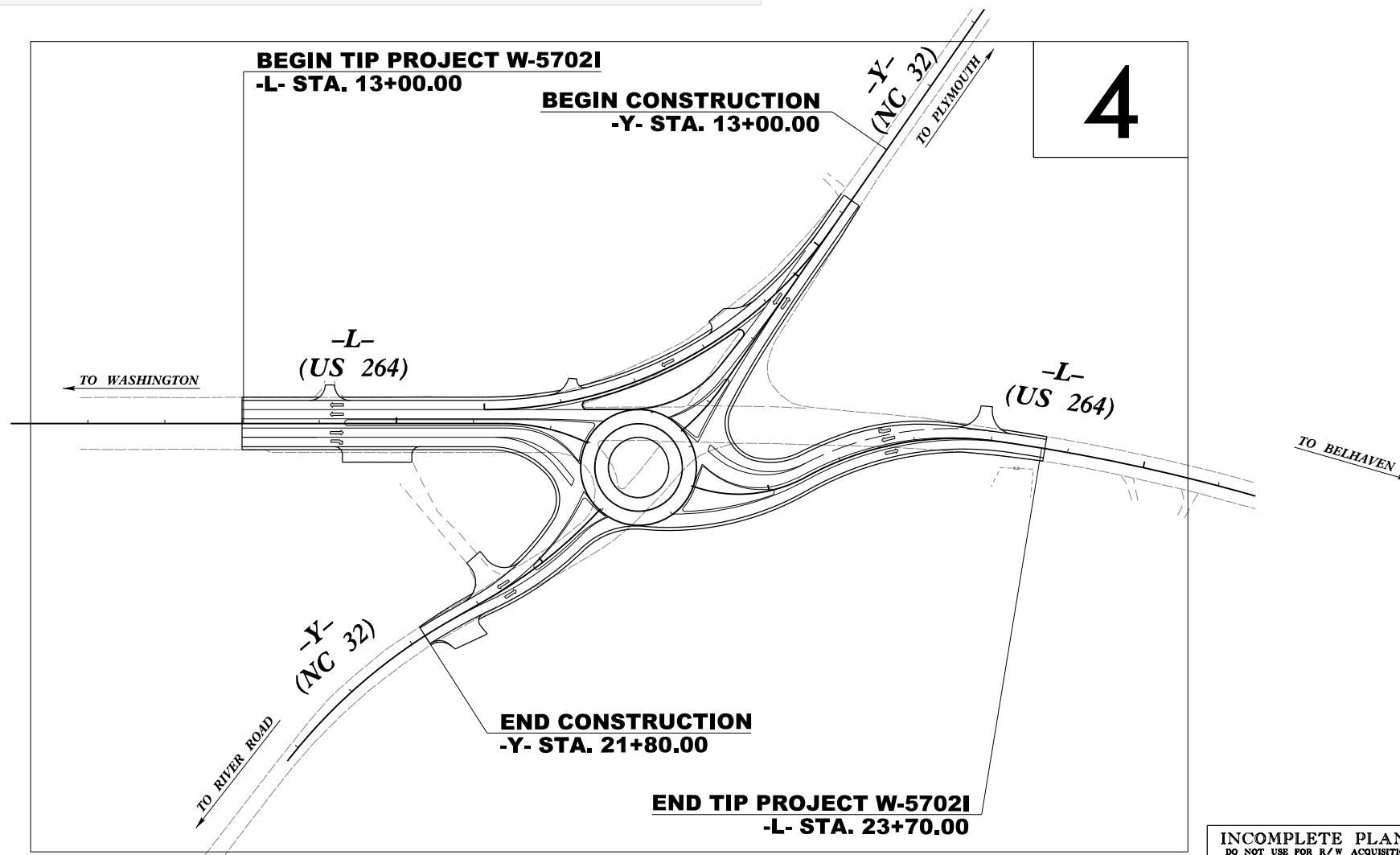


STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-57021	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
44848.1.9		PE	
44848.2.9		RW & UTIL.	
44848.3.9		CONST.	



See Sheet 1-A For Index of Sheets

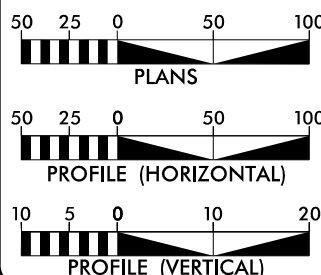
**PERMIT DRAWING  
SHEET 1 OF 6**



THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES  
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD \_\_\_\_.

**INCOMPLETE PLANS  
DO NOT USE FOR R/W ACQUISITION  
DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

**GRAPHIC SCALES**



**DESIGN DATA**

ADT 2019 = 11,350  
ADT 2039 = 13,850  
K = 10 %  
D = 60 %  
T = 7 % \*  
V = 60 MPH  
\* TTST = 3% DUAL = 4%  
FUNC. CLASS = MINOR ARTERIAL

**PROJECT LENGTH**

LENGTH ROADWAY TIP PROJECT W-57021 = 0.203 MILES  
TOTAL LENGTH TIP PROJECT W-57021 = 0.203 MILES

Prepared in the Office of:  
**WETHERILL ENGINEERING**  
1223 Jones Franklin Rd., Raleigh, N.C. 27606  
License No. F-0377  
Bus: 919.851.8077 Fax: 919.851.8107

Prepared for:  
**DIVISION OF HIGHWAYS  
DIVISION 2**  
1037 W.H. Smith Blvd.  
Greenville NC, 27835

2018 STANDARD SPECIFICATIONS  
**RIGHT OF WAY DATE:**  
JULY 2019

**LETTING DATE:**  
AUGUST 2019

**NCDOT CONTACT:**

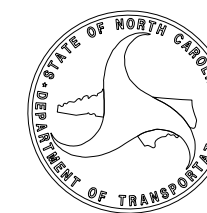
**BOB A. MAY, PE**  
PROJECT ENGINEER

**JONATHAN HEFNER, PE**  
PROJECT DESIGN ENGINEER

**LANG JONES**  
DIVISION PROJECT MANAGER

**HYDRAULICS ENGINEER**

**ROADWAY DESIGN ENGINEER**



7/24/2019 P:\2018\18063-01\_W-57021\_Roundabout\Hydraulics\PERMITS\_Environment\Drawings\w57021\_hyd\_psh\_01.tsh.dgn USER: FBrooks

**CONTRACT:**

**INCOMPLETE PLANS**  
DO NOT USE FOR R/W ACQUISITION

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

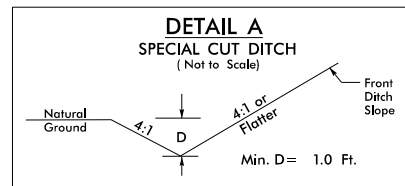
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

**DOCUMENT NOT CONSIDERED FINAL**  
**UNLESS ALL SIGNATURES COMPLETED**

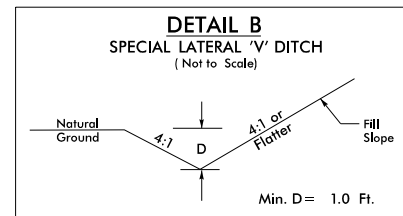
**PERMIT DRAWING**  
**SHEET 2 OF 6**

# DRAINAGE DETAILS

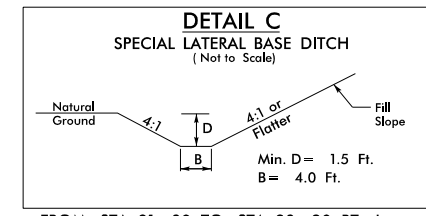
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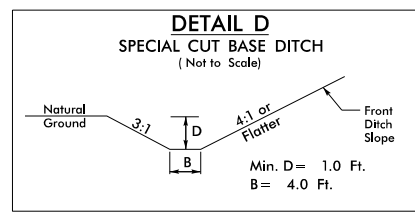
FROM STA. 13+80 TO STA. 14+00 LT -Y-  
FROM STA. 13+18 TO STA. 14+20 RT -L-  
FROM STA. 19+50 TO STA. 21+00 LT -Y-  
FROM STA. 12+31 TO STA. 12+91 RT -RAB-  
FROM STA. 20+31 TO STA. 21+10 RT -L-



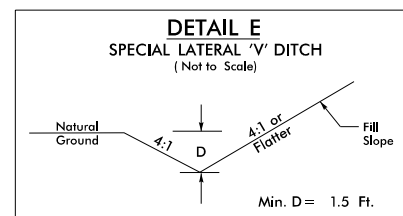
FROM STA. 14+00 TO STA. 15+43 LT -Y-  
FROM STA. 21+10 TO STA. 21+30 RT -Y-



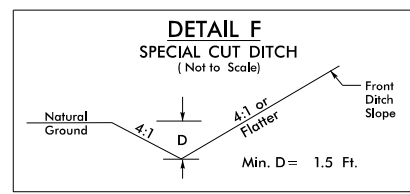
FROM STA. 21+30 TO STA. 23+20 RT -L-



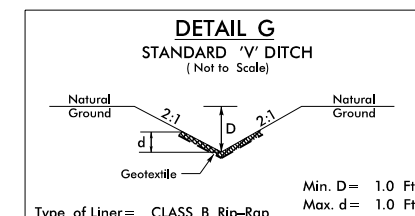
FROM STA. 15+40 TO STA. 17+25 RT -L-  
FROM STA. 19+30 TO STA. 20+45 RT -Y-



FROM STA. 15+43 TO STA. 16+50 LT -Y-  
FROM STA. 21+00 TO STA. 21+30 RT -Y-



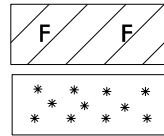
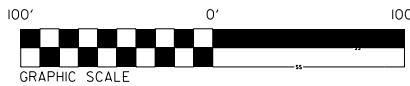
FROM STA. 16+50 TO STA. 17+00 LT -Y-  
FROM STA. 19+75 TO STA. 21+00 LT -L-



Type of Liner = CLASS B Rip-Rap  
STA. 21+00 LT -Y-, 10FT LONG  
3 TONS CLASS B RIPRAP  
W/5 SY. GEOTECHNICAL FABRIC  
DDE = 3 CY

REVISIONS

F:\24\2018\18163.01.W-57021\_Roundabout\Hydraul\PERMITS-Environmental\Drawings\W57021\_Hyd\_details.dgn  
 USER: FFRooks



DENOTES FILL IN WETLAND

DENOTES MECHANIZED CLEARING



PROJECT REFERENCE NO. W-57021		SHEET NO. 4	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
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 - CONSTRUCTION OBSERVATION			
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>			

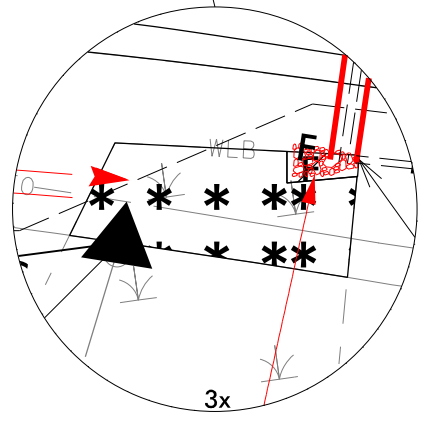
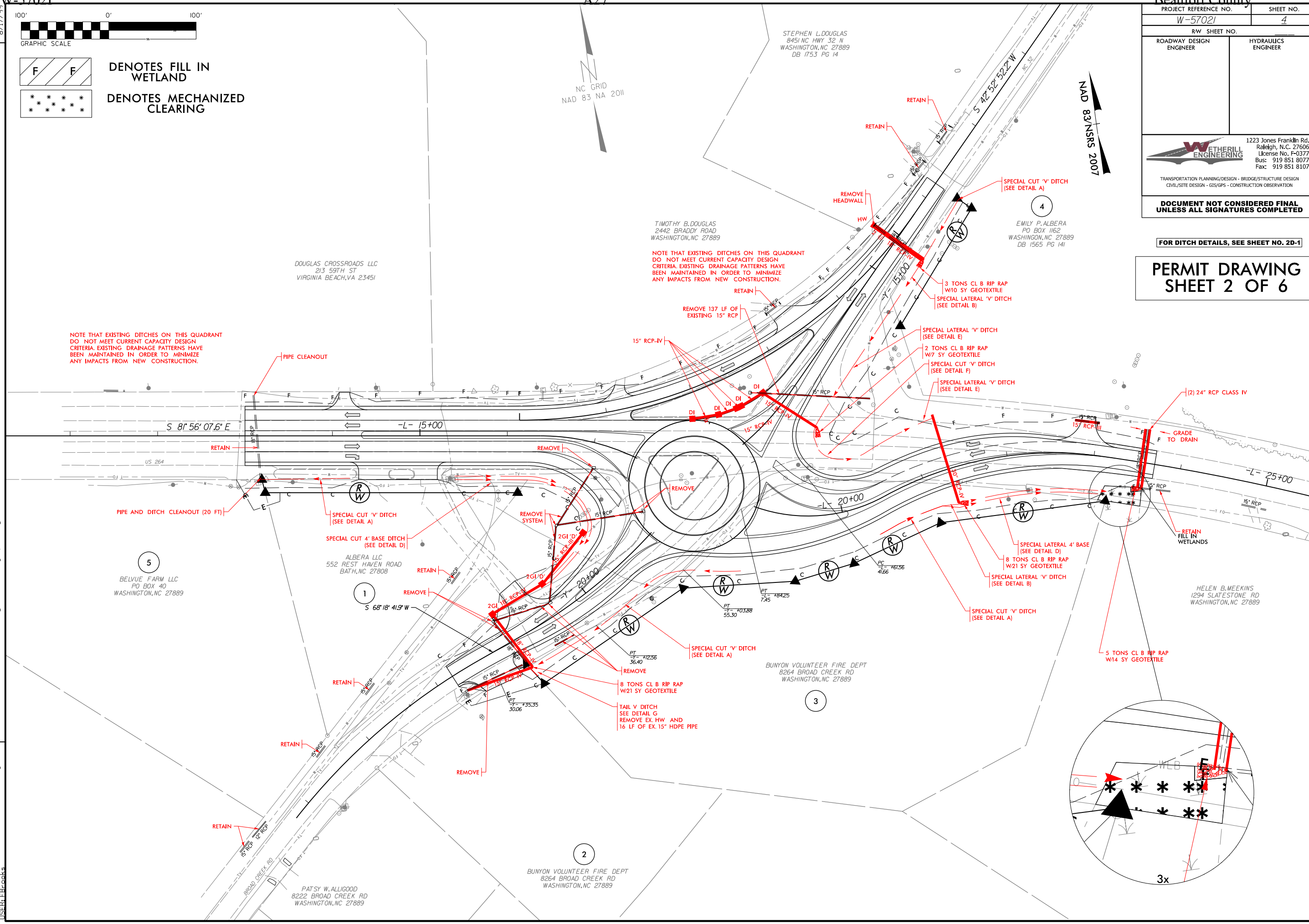
FOR DITCH DETAILS, SEE SHEET NO. 2D-1

# PERMIT DRAWING SHEET 2 OF 6

REVISIONS

NOTE THAT EXISTING DITCHES ON THIS QUADRANT DO NOT MEET CURRENT CAPACITY DESIGN CRITERIA. EXISTING DRAINAGE PATTERNS HAVE BEEN MAINTAINED IN ORDER TO MINIMIZE ANY IMPACTS FROM NEW CONSTRUCTION.

NOTE THAT EXISTING DITCHES ON THIS QUADRANT DO NOT MEET CURRENT CAPACITY DESIGN CRITERIA. EXISTING DRAINAGE PATTERNS HAVE BEEN MAINTAINED IN ORDER TO MINIMIZE ANY IMPACTS FROM NEW CONSTRUCTION.



7/24/2018 P:\2018\16163.01.W-57021.Roundabout\Hydro\16163.01.W-57021.Hydro\perm.dwg USER: F... PERMITS\_Environmental\Drawings\W-57021.Hydro\perm.dwg

5  
BELVUE FARM LLC  
PO BOX 40  
WASHINGTON, NC 27889

1  
ALBERA LLC  
552 REST HAVEN ROAD  
BATH, NC 27808

2  
BUNYON VOLUNTEER FIRE DEPT  
8264 BROAD CREEK RD  
WASHINGTON, NC 27889

3  
BUNYON VOLUNTEER FIRE DEPT  
8264 BROAD CREEK RD  
WASHINGTON, NC 27889

HELEN B. MEEKINS  
1294 SLATESTONE RD  
WASHINGTON, NC 27889

PATSY W. ALLGOOD  
8222 BROAD CREEK RD  
WASHINGTON, NC 27889

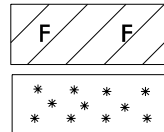
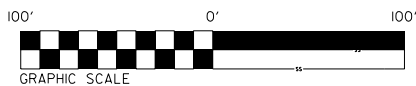
STEPHEN L. DOUGLAS  
8451 NC HWY 32 N  
WASHINGTON, NC 27889  
DB 1753 PG 14

TIMOTHY B. DOUGLAS  
2442 BRADY ROAD  
WASHINGTON, NC 27889

EMILY P. ALBERA  
PO BOX 1162  
WASHINGTON, NC 27889  
DB 1565 PG 141

DOUGLAS CROSSROADS LLC  
213 59TH ST  
VIRGINIA BEACH, VA 23451



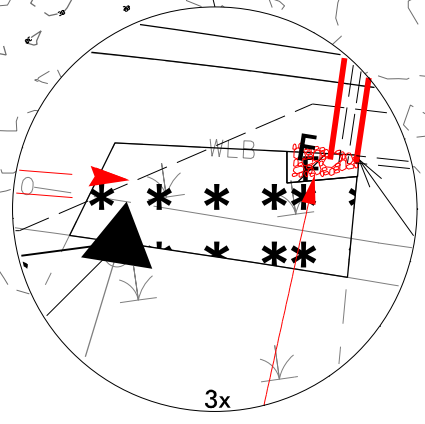
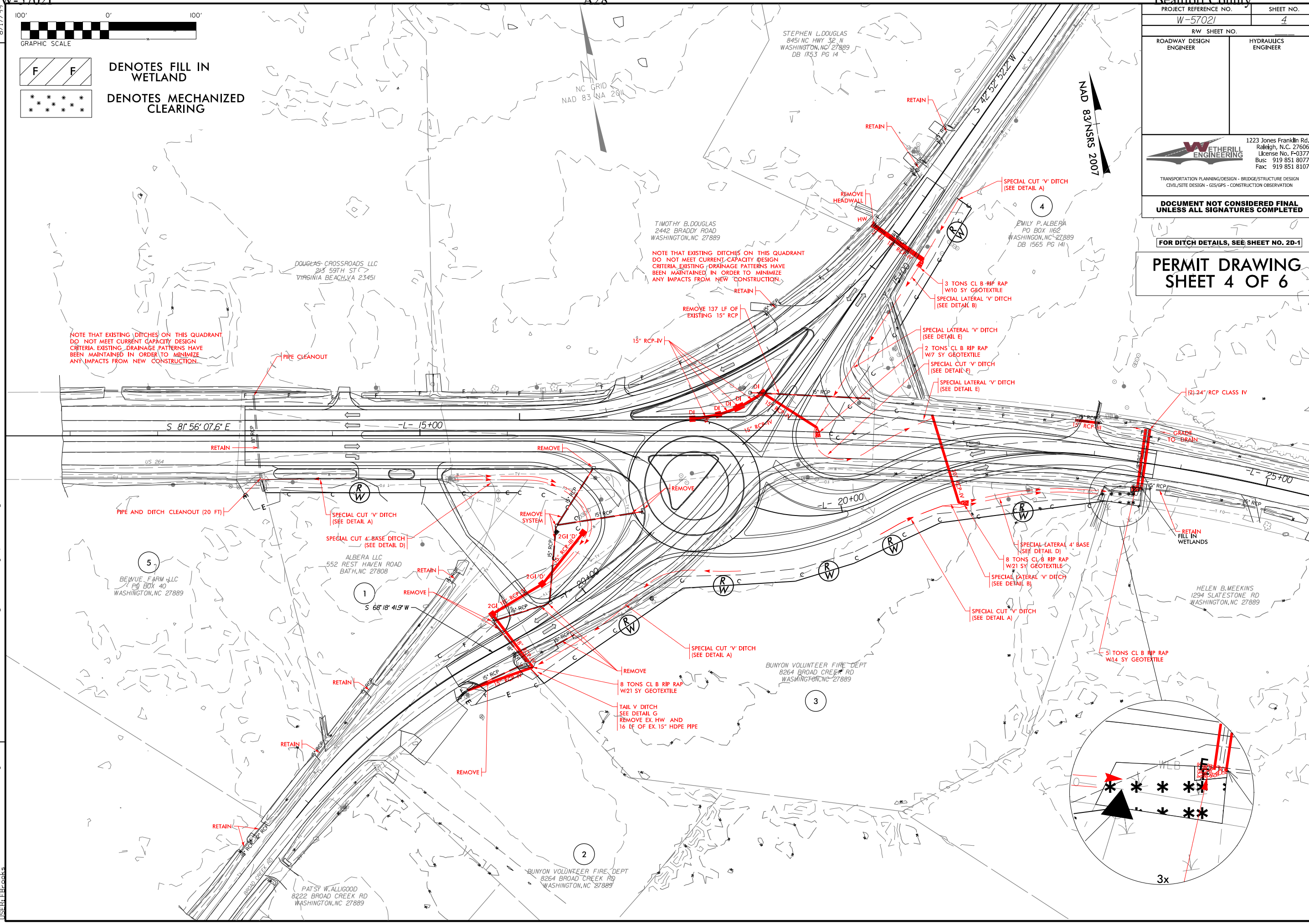


DENOTES FILL IN WETLAND

DENOTES MECHANIZED CLEARING

PROJECT REFERENCE NO. W-57021		SHEET NO. 4	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
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 - CONSTRUCTION OBSERVATION			
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>			
FOR DITCH DETAILS, SEE SHEET NO. 2D-1			

PERMIT DRAWING SHEET 4 OF 6

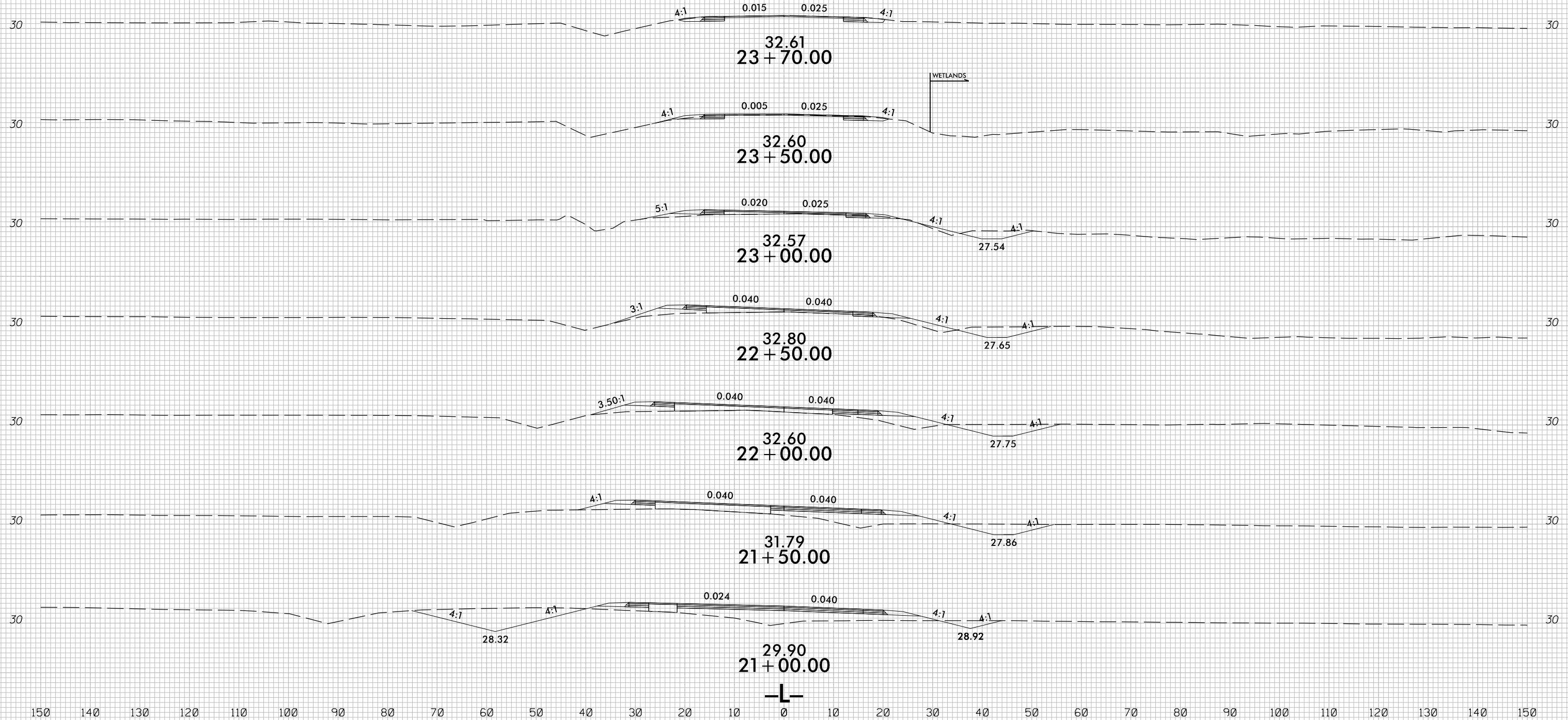


REVISIONS

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 USER: Ffricks

PERMIT DRAWING  
SHEET 5 OF 6

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



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<b>WETLAND AND SURFACE WATER IMPACTS SUMMARY</b>												
Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS					SURFACE WATER IMPACTS				
			Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
1	-L- 23+00 to 23+50	RR pad	0.001			0.019						
<b>TOTALS*:</b>			<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0</b>

\*Rounded totals are sum of actual impacts

NOTES:

NC DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 02/28/2019  
 BEAUFORT COUNTY  
 W-5702I  
 44848.1.9  
 SHEET **6** OF **6**

**ROY COOPER**  
Governor

**ELIZABETH S. BISER**  
Secretary

**RICHARD E. ROGERS, JR.**  
Director



**NORTH CAROLINA**  
**Environmental Quality**

October 19, 2022

BEAUFORT COUNTY, NC  
ATTN: ERICK JENNINGS - WATER SYSTEM MGR.  
111 W 2ND STREET  
WASHINGTON, NC 27889

Re: **Authorization to Construct (This is not a Final Approval)**  
Issue Date: October 19, 2022  
**DOUGLAS CROSSROADS ROUND-ABOUT**  
Serial No.: 22-00981      Water System No.: NC0407035  
Beaufort County

Dear Applicant:

This letter is to confirm that a complete Engineer's Report and a Water System Management Plan have been received, and that engineering plans and specifications have been approved by the Department for **DOUGLAS CROSSROADS ROUND-ABOUT, Serial No.: 22-00981.**

The "Authorization to Construct" is valid for 36 months from the issue date. Authorization to construct may be extended if the Rules Governing Public Water Supplies and site conditions have not changed (see Rule .0305). The "Authorization to Construct" and the engineering plans and specifications approval letter shall be posted at the primary entrance of the job site before and during construction.

Upon completion of the construction or modification, and prior to placing the new construction or modification into service, the applicant must submit an Engineer's Certification and Applicant's Certification to the Public Water Supply Section.

- **Engineer's Certification:** in accordance with Rule .0303 (a), the applicant shall submit a certification statement signed and sealed by a registered professional engineer stating that construction was completed in accordance with approved engineering plans and specifications, including any provisions stipulated in the Department's engineering plan and specification approval letter.
- **Applicant's Certification:** in accordance with Rule .0303 (c), the applicant shall submit a signed certification statement indicating that the requirements for an Operation and Maintenance Plan and Emergency Management Plan have been satisfied in accordance with Rule .0307 (d) and (e) and that the system has a certified operator in accordance with Rule .1300. The "Applicant's Certification" form is available at <http://www.ncwater.org/> (click on Public Water Supply Section, Plan Review, Plan Review Forms).

Certifications can be sent by mail, fax (919-715-4374), or attachment to an e-mail message to [PWSSection.PlanReview@ncdenr.gov](mailto:PWSSection.PlanReview@ncdenr.gov).

If this "Authorization to Construct" is for a new public water system, the owner must submit a completed application for an Operating Permit and the appropriate fee. For a copy of the application for an Operating Permit please call (919) 707-9085.

Once the certifications and permit application and fee (if applicable) are received and determined adequate, the Department will issue a Final Approval letter to the applicant. In accordance with Rule .0309 (a), no portion of this project shall be placed into service until the Department has issued **Final Approval.**

Please contact us at (919) 707-9100 if you have any questions or need additional information.

Sincerely,

Jay Frick  
Deputy Section Chief  
Public Water Supply Section  
Division of Water Resources

cc: JAMIE MIDGETTE, P.E., Regional Engineer  
WETHERERILL ENGINEERING



North Carolina Department of Environmental Quality | Division of Water Resources  
512 North Salisbury Street | 1634 Mail Service Center | Raleigh, North Carolina 27699-1634  
919.707.9100

North Carolina Department of Environmental Quality  
Division of Water Resources

Authorization to Construct

Project Applicant:	BEAUFORT COUNTY, NC
Public Water System Name and Water System No.:	BEAUFORT CO NORTHSIDE REGIONAL WATER NC0407035
Project Name:	DOUGLAS CROSSROADS ROUND-ABOUT
Serial No.:	22-00981
Issue Date:	October 19, 2022
Expiration Date:	36 Months after Issue Date

In accordance with NCAC 18C .0305, this Authorization to Construct must be posted  
at the primary entrance to the job site during construction.

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NORTH CAROLINA  
*Environmental Quality*

ROY COOPER  
*Governor*

ELIZABETH S. BISER  
*Secretary*

RICHARD E. ROGERS, JR.  
*Director*

December 22, 2022

City of Washington  
Attention: Jonathan Russell, City Manager  
102 E. Second Street  
Washington, North Carolina 27889

Re: Engineering Plans and Project Special Provisions Approval  
NCDOT W-5702i - NC 32/US Hwy 264 Intersection  
Raw Water Main Relocation  
City of Washington  
Water System No.: NC0407010, Beaufort County  
Serial No.: 22-01155

Dear Applicant:

Enclosed please find one copy of the "Application for Approval..." together with one copy of the referenced engineering plans and project special provisions bearing the Division of Water Resources stamp of approval for the referenced project. These engineering plans and project special provisions are approved under Division of Water Resources Serial Number 22-01155, dated December 22, 2022.

Engineering plans and project special provisions prepared by Seth T. Anderson, P.E., call for the installation of approximately 840 feet of 20-inch raw water main, valves, and associated appurtenances to relocate existing 20-inch raw water main at the intersection of NC 32/US Hwy 264 in Beaufort County in conflict with the proposed NCDOT roadway realignment project. Existing raw water mains to be replaced will be capped and abandoned in place. **The project must be constructed in accordance with NCDOT's Standard Specifications and Special Provisions.**

Please note that in accordance with 15A NCAC 18C .0309(a), no construction, alteration, or expansion of a water system shall be placed into service or made available for human consumption until the Public Water Supply Section has issued Final Approval. Final Approval will be issued and mailed to the applicant upon receipt of both an Engineer's Certification and an Applicant's Certification submitted in accordance with 15A NCAC 18C .0303 (a) and (c).

These plans and project special provisions in the foregoing application are approved insofar as the protection of public health is concerned as provided in the rules, standards and criteria adopted under the authority of Chapter 130A-317 of the General Statutes. This approval does not constitute a warranty of the design, construction, or future operation of the water system.



North Carolina Department of Environmental Quality | Division of Water Resources  
512 North Salisbury Street | 1634 Mail Service Center | Raleigh, North Carolina 27699-1634  
919.707.9100



City of Washington  
Attention: Jonathan Russell, City Manager  
Page 2 of 2  
December 22, 2022

One copy of the "Application for Approval..." and a copy of the plans and project special provisions with a seal of approval from the Department are enclosed. One copy of the approved documents in a digital format (CD) is being forwarded to our Washington Regional Office. The second copy of the CD is being retained in our office.

If the Public Water Supply Section can be of further service, please call (919) 707-9100.

Sincerely,

*Monti Hassan* /for

Jay Frick  
Deputy Section Chief  
Public Water Supply Section  
Division of Water Resources

JF/MH

Enclosures: Approval Documents

cc: Jamie Midgette, P.E., Washington Regional Office  
Beaufort County Health Department  
Rivers and Associates, Inc.



North Carolina Department of Environmental Quality | Division of Water Resources  
512 North Salisbury Street | 1634 Mail Service Center | Raleigh, North Carolina 27699-1634  
919.707.9100

ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

RICHARD E. ROGERS, JR.

Director

NORTH CAROLINA  
Environmental Quality

December 22, 2022

CITY OF WASHINGTON  
ATTN: JONATHAN RUSSELL, CITY MANAGER  
102 E. SECOND ST  
WASHINGTON, NC 27889

Re: **Authorization to Construct (This is not a Final Approval)**

Issue Date: December 22, 2022

NCDOT W-5702i -NC 32/US HWY 264

Serial No.: 22-01155      Water System No.: NC0407010  
Beaufort County

Dear Applicant:

This letter is to confirm that a complete Engineer's Report and a Water System Management Plan have been received, and that engineering plans and specifications have been approved by the Department for NCDOT W-5702i -NC 32/US HWY 264, Serial No.: 22-01155.

The "Authorization to Construct" is valid for 36 months from the issue date. Authorization to construct may be extended if the Rules Governing Public Water Supplies and site conditions have not changed (see Rule .0305). The "Authorization to Construct" and the engineering plans and specifications approval letter shall be posted at the primary entrance of the job site before and during construction.

Upon completion of the construction or modification, **and prior to placing the new construction or modification into service**, the applicant must submit an Engineer's Certification and Applicant's Certification to the Public Water Supply Section.

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Certifications can be sent by mail, fax (919-715-4374), or attachment to an e-mail message to [PWSSection.PlanReview@ncdenr.gov](mailto:PWSSection.PlanReview@ncdenr.gov).

If this "Authorization to Construct" is for a new public water system, the owner must submit a completed **application for an Operating Permit** and the appropriate fee. For a copy of the application for an Operating Permit please call (919) 707-9085.

Once the certifications and permit application and fee (if applicable) are received and determined adequate, the Department will issue a Final Approval letter to the applicant. In accordance with Rule .0309 (a), **no portion of this project shall be placed into service until the Department has issued Final Approval.**

Please contact us at (919) 707-9100 if you have any questions or need additional information.

Sincerely,

Jay Frick  
Deputy Section Chief  
Public Water Supply Section  
Division of Water Resources

cc: JAMIE MIDGETTE, P.E., Regional Engineer  
RIVERS AND ASSOCIATES, INC.



North Carolina Department of Environmental Quality | Division of Water Resources  
512 North Salisbury Street | 1634 Mail Service Center | Raleigh, North Carolina 27699-1634  
919.707.9100



North Carolina Department of Environmental Quality  
Division of Water Resources

Authorization to Construct

Project Applicant:	CITY OF WASHINGTON
Public Water System Name and Water System No.:	WASHINGTON, CITY OF NC0407010
Project Name:	NCDOT W-5702i -NC 32/US HWY 264
Serial No.:	22-01155
Issue Date:	December 22, 2022
Expiration Date:	36 Months after Issue Date

In accordance with NCAC 18C .0305, this Authorization to Construct must be posted  
at the primary entrance to the job site during construction.

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