

TIP PROJECT: B-5610

CONTRACT: C204732

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

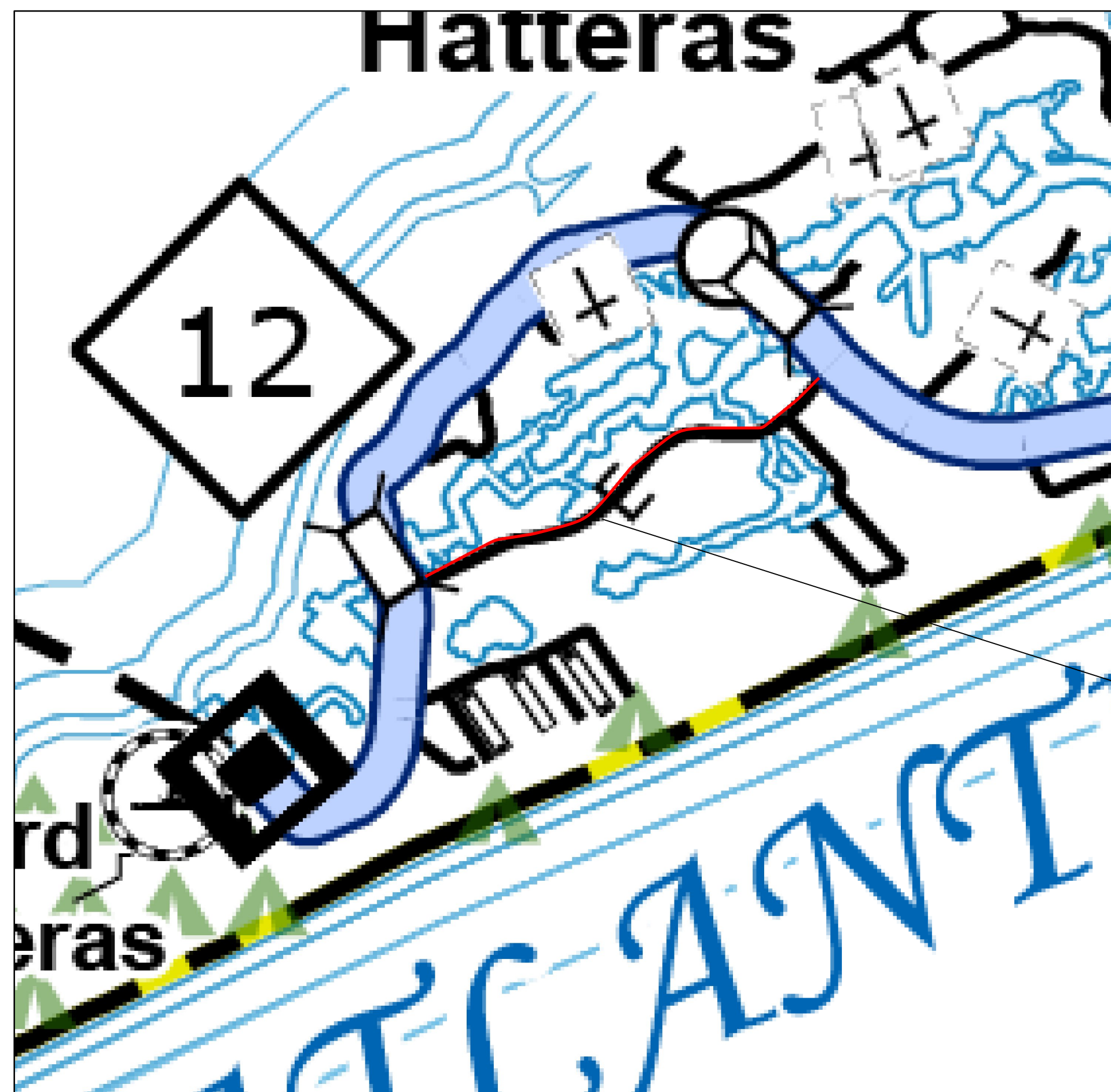
DARE COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-5610	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
45565.3.2	0012068	CONSTRUCTION (RESURFACING)	

PART 1

LOCATION: SR 1241 (EAGLE PASS RD) FROM NC 12 TO NC 12

TYPE OF WORK: DRAINAGE & PAVING



MAP 1

NTS

PROJECT LENGTH

LENGTH OF ROADWAY TIP PROJECT B-5610  
DETOUR RESURFACING = 0.767 MILES

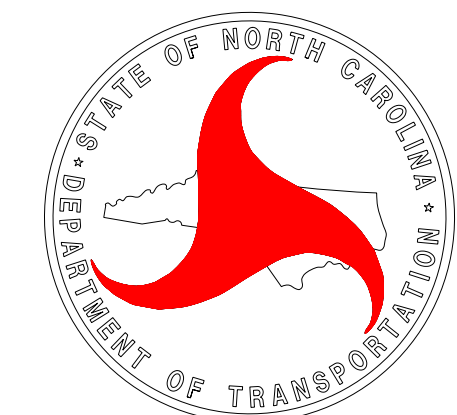
Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
113 Airport Dr., Edenton NC, 27932

2024 STANDARD SPECIFICATIONS

LETTING DATE:  
6/18/2024

JOHN ABEL  
DIVISION PROJECT MANAGER

C.E. SLACHTA  
DIVISION PROPOSALS ENGINEER

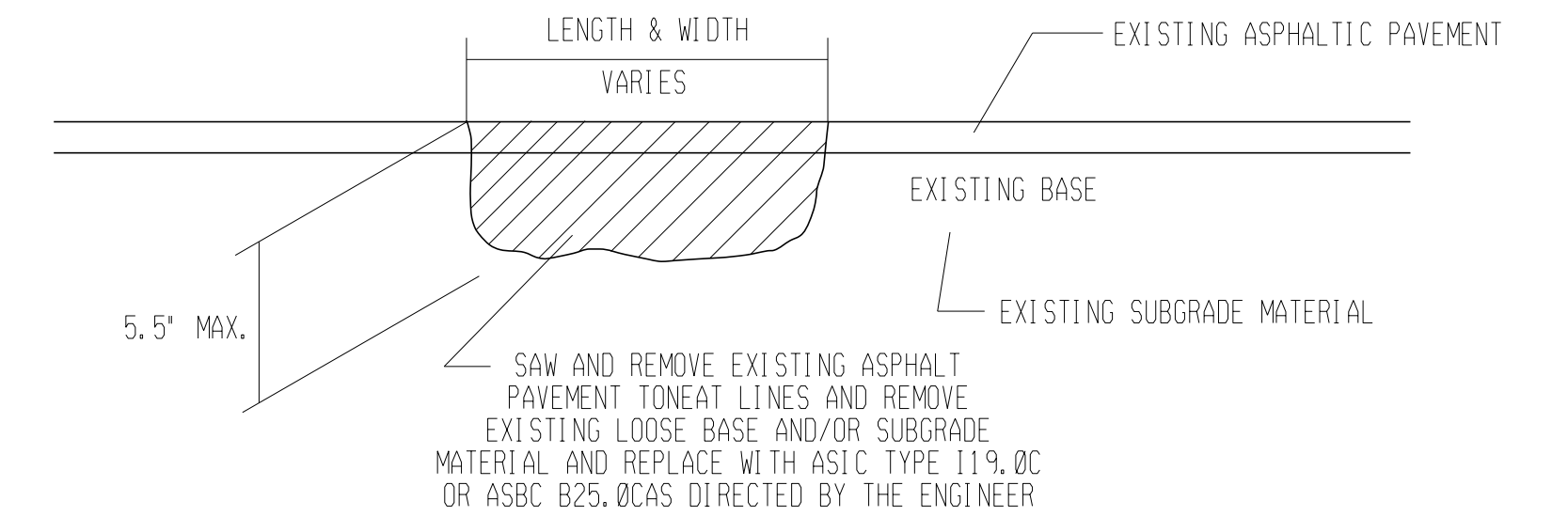


### PAVEMENT SCHEDULE

C3	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. IN EACH OF TWO LAYERS
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT.

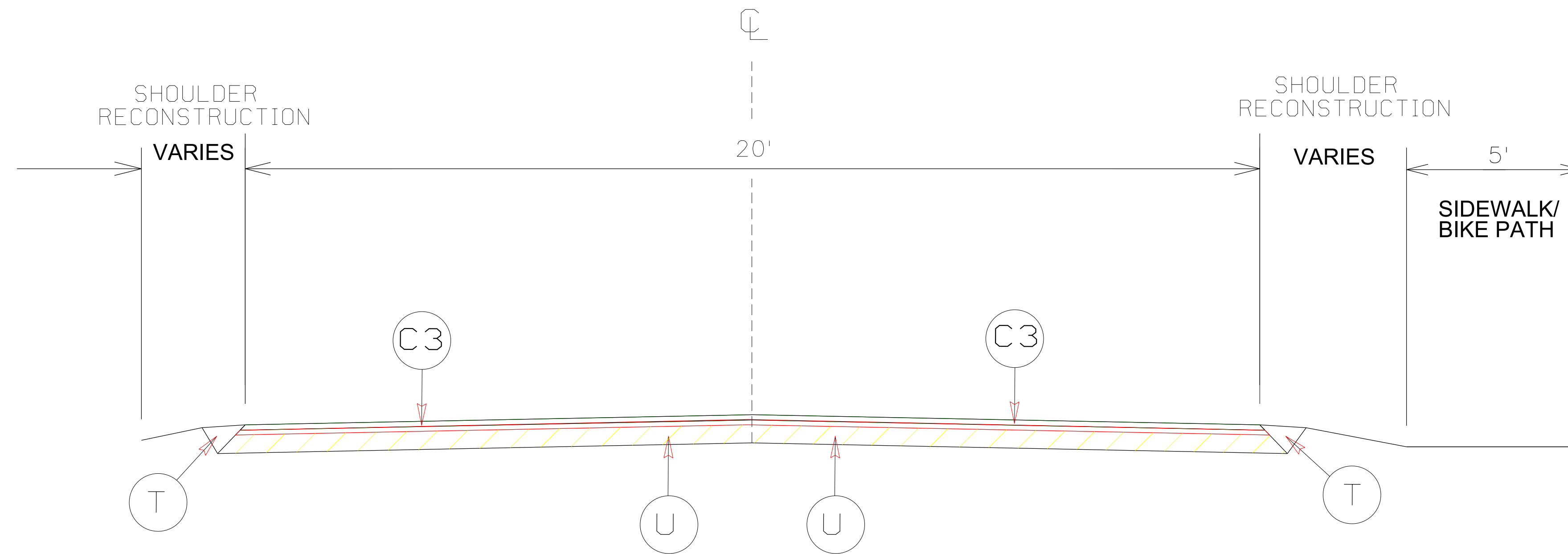
### NOTES:

- \* ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII., OR AS DIRECTED BY THE ENGINEER
- \* CONTRACTOR SHALL PERFORM FULL DEPTH PATCHING PRIOR TO RESURFACING ON SELECT MAPS AS DIRECTED BY THE ENGINEER.



\*NOTE: EDGES OF PATCHED AREA ARE TO BE CLEANED OF ALL DEBRIS AND COATED WITH AN APPROVED TACK MATERIAL BEFORE PLACING ASPHALT.

### FULL DEPTH PATCHING



### TYPICAL SECTION NO. 1

USE WITH MAP 1

### SIDEWALK & PAVING SEQUENCE (DETOUR ONLY)

- 1) REMOVE CONCRETE SIDEWALK/BIKE PATH FROM STA. 4+71 THRU STA. 5+55 - BEFORE RESURFACING
- 2) PLACE INCIDENTAL STONE BASE AT SIDEWALK/BIKE PATH LOCATION TO MAINTAIN PUBLIC USE
- 3) PLACE ASPHALT LAYER 1, CONSISTING OF 1.5" OF S9.5B
- 4) PLACE PAINT PAVEMENT MARKING LINES
- 5) CONSTRUCT BRIDGE & REOPEN TO TRAFFIC
- 6) PLACE ASPHALT LAYER 2, CONSISTING OF 1.5" OF S9.5B
- 7) PLACE FINAL PAVEMENT MARKINGS (HOT SPRAY THERMO MARKING LINES)
- 8) REMOVE INCIDENTAL STONE BASE & CONSTRUCT SIDEWALK/BIKEPATH BACK IN ORIGINAL LOCATION AT NEW PAVEMENT ELEVATION





PROJECT NO.	SHEET NO.	TOTAL NO.
45565.3.2	4	

### SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	BEGIN MP	END MP	0000100000-N	0106000000-E	0318000000-E	0321000000-E	0335300000-E	0995000000-E	1220000000-E	1245000000-E	1260000000-E	1330000000-E	1519000000-E	1575000000-E
														MOBILIZATION	BORROW EXCAVATION	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	FOUNDATION CONDITIONING GEOTEXTILE	18" DRAINAGE PIPE	PIPE REMOVAL	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	INCIDENTAL MILLING	ASPHALT CONC SURFACE COURSE, S9.5B	ASPHALT BINDER FOR PLANT MIX
														LS	CY	TON	SY	LF	LF	TONS	SMI	TON	SY	TONS	TONS
45565.3.2	Dare	1	SR-1241 / EAGLE PASS RD	NC 12 TO NC 12	1	2	2WU	NO	NO	0.767	20	0	0.767	1	160	100	180	80.00	40.00	400	1.52	5	450	1,675	110
<b>TOTAL FOR PROJECT 45565.3.2 DETOUR RESURFACING</b>										<b>0.767</b>				<b>1</b>	<b>160</b>	<b>100</b>	<b>180</b>	<b>80.00</b>	<b>40.00</b>	<b>400</b>	<b>1.52</b>	<b>5</b>	<b>450</b>	<b>1,675</b>	<b>110</b>
<b>GRAND TOTAL</b>										<b>0.767</b>				<b>1</b>	<b>160</b>	<b>100</b>	<b>180</b>	<b>80.00</b>	<b>40.00</b>	<b>400</b>	<b>1.52</b>	<b>5</b>	<b>450</b>	<b>1,675</b>	<b>110</b>

### SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	BEGIN MP	END MP	1693000000-E	1880000000-E	2286000000-N	2364000000-N	2591000000-E	2845000000-N	3649000000-E	6000000000-E	6037000000-E	6071012000-E	6084000000-E	6117000000-N
														ASPHALT PLANT MIX, PAVEMENT REPAIR	GENERIC PAVING ITEM, PATCHING EXISTING PAVEMENT (FULL DEPTH, 0-5")	MASONRY DRAINAGE STRUCTURES	FRAME WITH TWO GRATES, STD 840.16	4" CONCRETE SIDEWALK	ADJUSTMENT OF METER OR VALVE BOXES	RIP RAP, CLASS B	TEMPORARY SILT FENCE	COIR FIBER MAT	COIR FIBER WATTLE	SEEDING & MULCHING	RESPONSE FOR EROSION CONTROL
														TON	TON	EA	EA	SY	EA	TON	LF	SY	LF	ACR	EA
45565.3.2	Dare	1	SR-1241 / EAGLE PASS RD	NC 12 TO NC 12	1	2	2WU	NO	NO	0.767	20	0	0.767	130	19	1	1	45	1	15	4,210	200	20	0.8	1
<b>TOTAL FOR PROJECT 45565.3.2 DETOUR RESURFACING</b>										<b>0.767</b>				<b>130</b>	<b>19</b>	<b>1</b>	<b>1</b>	<b>45</b>	<b>1</b>	<b>15</b>	<b>4,210</b>	<b>200</b>	<b>20</b>	<b>0.8</b>	<b>1</b>
<b>GRAND TOTAL</b>										<b>0.767</b>				<b>130</b>	<b>19</b>	<b>1</b>	<b>1</b>	<b>45</b>	<b>1</b>	<b>15</b>	<b>4,210</b>	<b>200</b>	<b>20</b>	<b>0.8</b>	<b>1</b>

### THERMOPLASTIC AND PAINT QUANTITIES

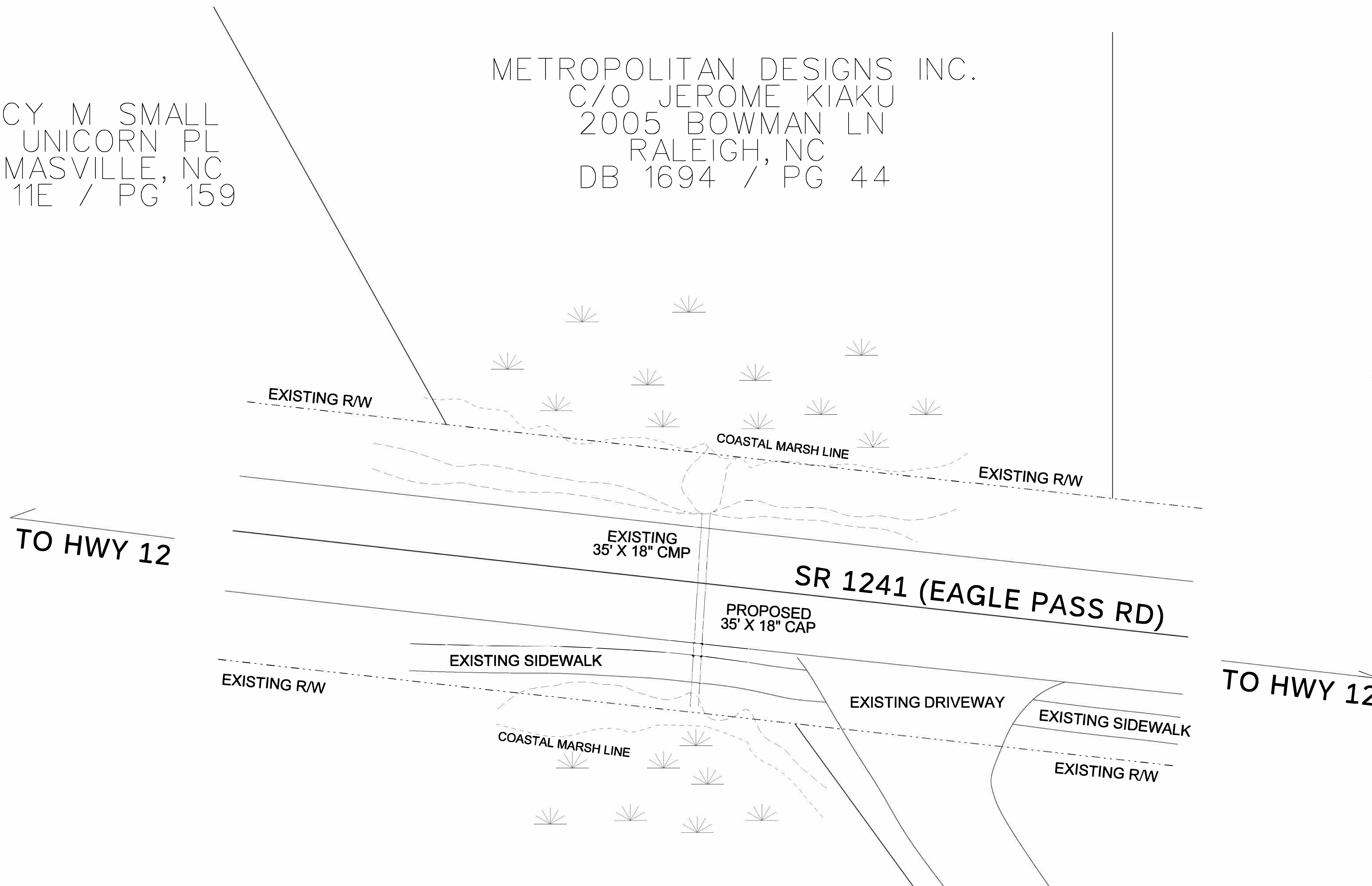
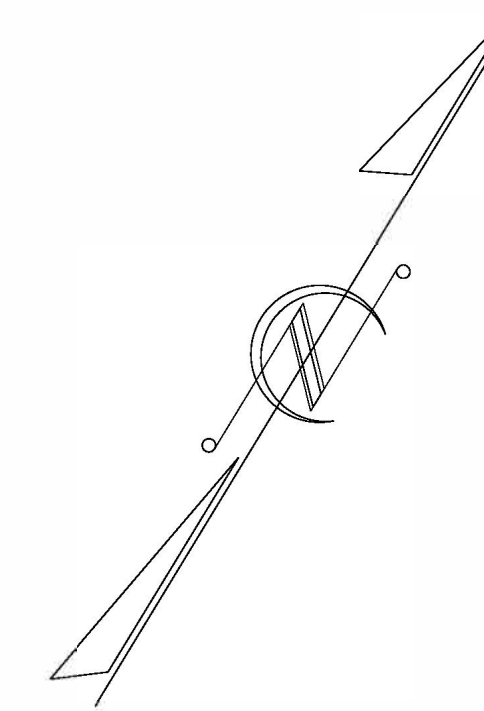
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	BEGIN MP	END MP	4413000000-E	4457000000-N	4695000000-E	4709000000-E	4810000000-E		4820000000-E	4835000000-E	4890000000-E	
														WORK ZONE ADVANCE / GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	THERMO PAVEMENT MARKING LINES (8" 90 MILS)	THERMO PAVEMENT MARKING LINES (24" 90 MILS) WHITE	PAINT PAVEMENT MARKING LINES (4") WHITE	PAINT PAVEMENT MARKING LINES (4") YELLOW	PAINT PAVEMENT MARKING LINES (8")	PAINT PAVEMENT MARKING LINES (24")	GEN PAVEMENT MARKING ITEM, THERMO HOT SPRAY LINES (4" 55 MILS) WHITE	GEN PAVEMENT MARKING ITEM, THERMO HOT SPRAY LINES (4" 55 MILS) YELLOW
														SF	LS	LF	LF	LF	LF	LF	LF	LF	LF
45565.3.2	Dare	1	SR-1241 / EAGLE PASS RD	FROM NC 12 TO NC 12	1	2	2WU	NO	NO	0.767	20	0	0.767	264	1	160	200	8,100	8,100	160	200	8,100	8,100
<b>TOTAL FOR PROJECT 45565.3.2 DETOUR RESURFACING</b>										<b>0.767</b>				<b>264</b>	<b>1</b>	<b>160</b>	<b>200</b>	<b>8,100</b>	<b>8,100</b>	<b>160</b>	<b>200</b>	<b>8,100</b>	<b>8,100</b>
<b>GRAND TOTAL</b>										<b>0.767</b>				<b>264</b>	<b>1</b>	<b>160</b>	<b>200</b>	<b>8,100</b>	<b>8,100</b>	<b>160</b>	<b>200</b>	<b>8,100</b>	<b>8,100</b>

# PLAN VIEW DETAILED DRAWING

PROJECT REFERENCE NO.	SHEET NO.
45565.3.2	5

NANCY M SMALL  
170 UNICORN PL  
THOMASVILLE, NC  
WB 11E / PG 159

METROPOLITAN DESIGNS INC.  
C/O JEROME KIAKU  
2005 BOWMAN LN  
RALEIGH, NC  
DB 1694 / PG 44

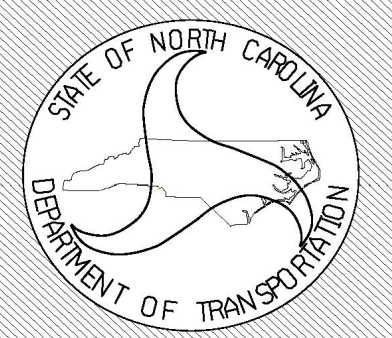


NO WETLAND IMPACT

NO OPEN WATER IMPACT

NANCY M SMALL  
170 UNICORN PL  
THOMASVILLE, NC  
WB 11E / PG 159

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION 1  
113 AIRPORT DR.  
EDENTON, NC 27932 (252) 482-1850



COUNTY: DARE WBS#: 45565.3.2  
QUAD: HATTERAS DATE: AUGUST 30, 2023  
BASIN: TAR-PAMLICO SHEET #: 5

REPLACE PIPE CULVERT ON SR 1241 (EAGLE PASS RD)

LAT. = 35.212164 N LONG. = 75.697633 W

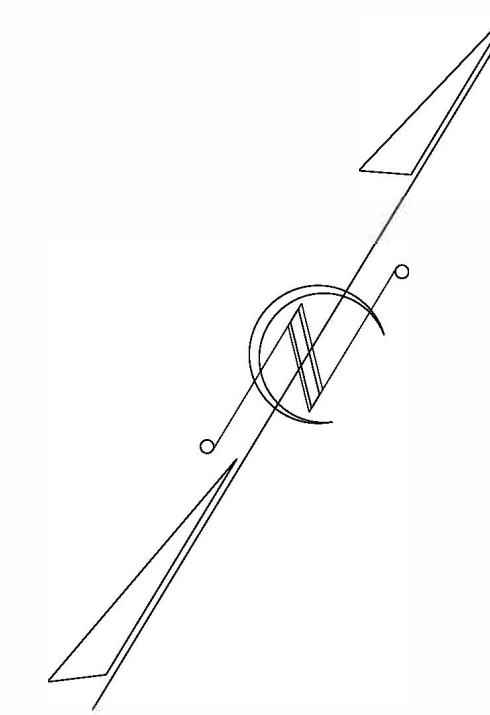
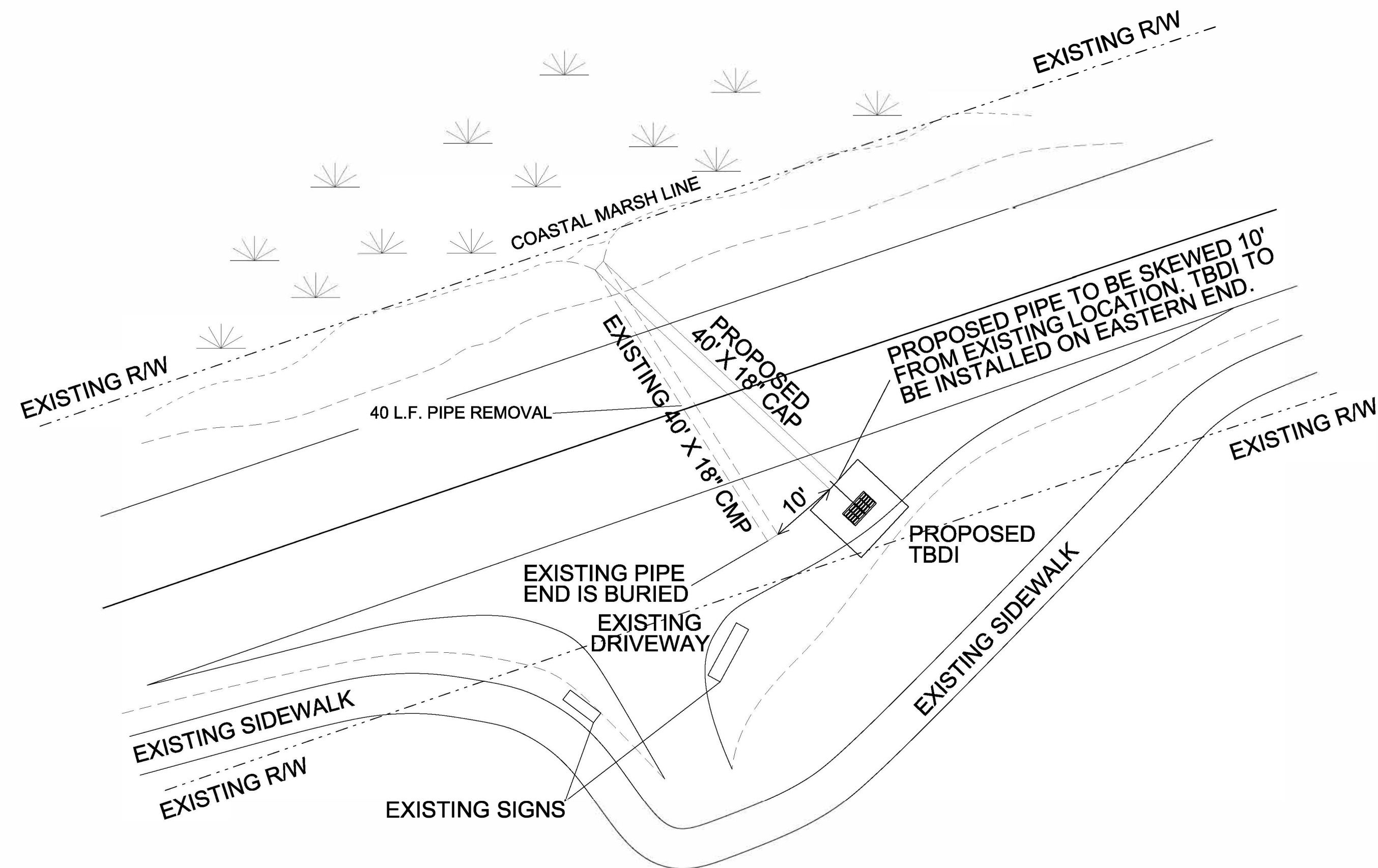
DRAWN BY: B.K. BROWN SCALE: NTS

LEGEND	
-----	EXISTING
—————	PROPOSED

# PLAN VIEW DETAILED DRAWING

PROJECT REFERENCE NO.	SHEET NO.
45565.3.2	6

DENNIS E WILLIAMS  
PO BOX 1028  
BUXTON, NC  
DB 1706 / PG 482

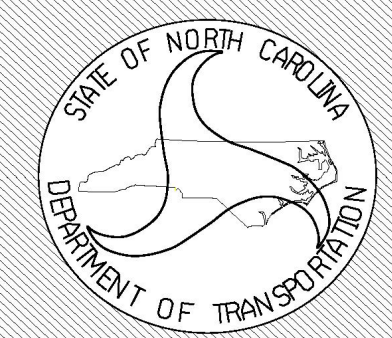


NO WETLAND IMPACT

NO OPEN WATER IMPACT

HATTERAS VILLAGE CIVIC  
ASSOCIATION INC  
PO BOX 457  
HATTERAS, NC  
DB 1588 / PG 394

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION 1  
113 AIRPORT DR.  
EDENTON, NC 27932 (252) 482-1850



COUNTY: DARE WBS#: 45565.3.2  
QUAD: HATTERAS DATE: AUGUST 30, 2023  
BASIN: TAR-PAMLICO SHEET #: 6

REPLACE PIPE CULVERT ON SR 1241 (EAGLE PASS RD)

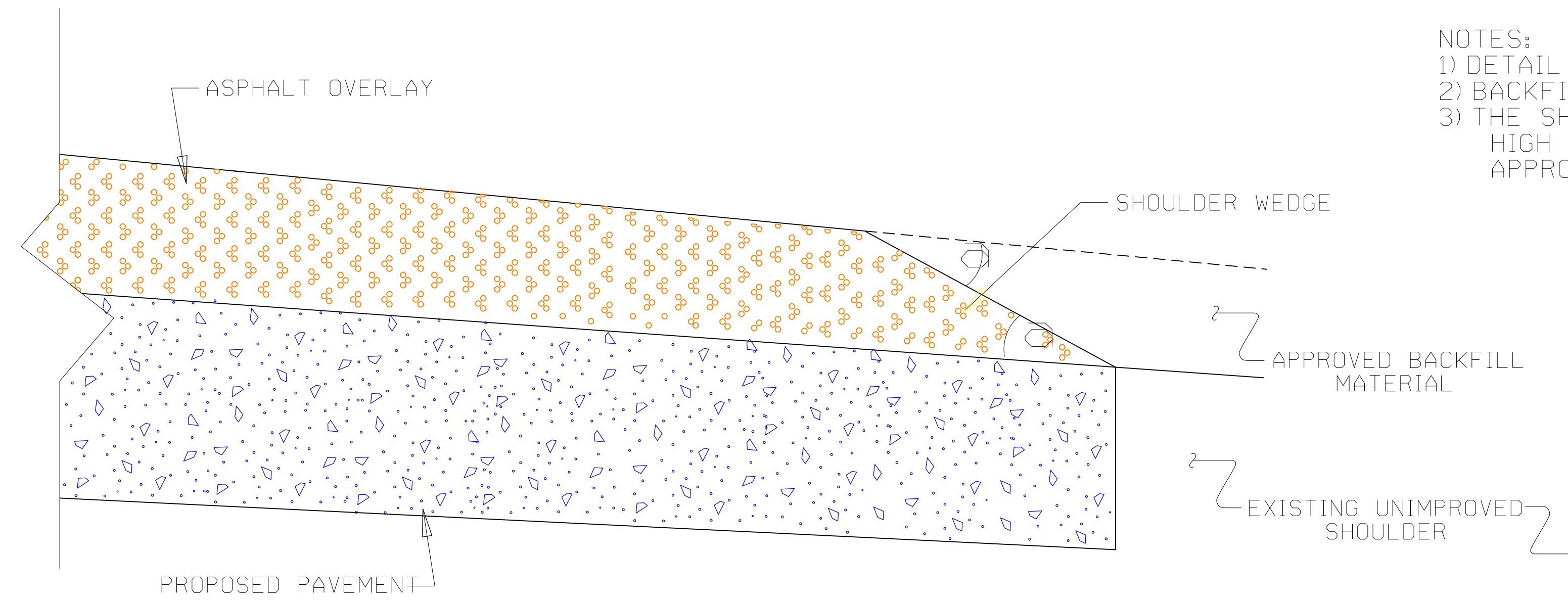
LAT. = 35.214419 N LONG. = 75.692063 W

DRAWN BY: B.K. BROWN SCALE: NTS

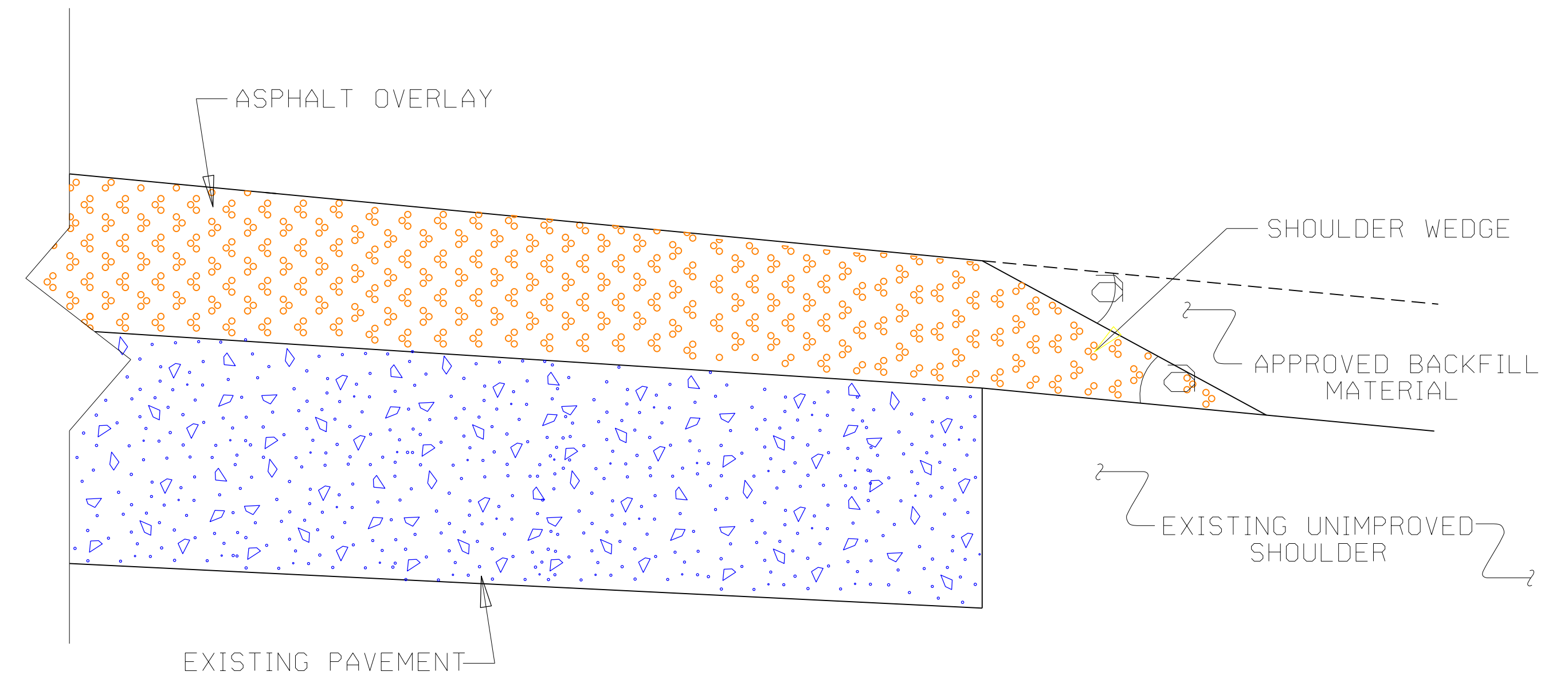
### LEGEND

----- EXISTING  
———— PROPOSED

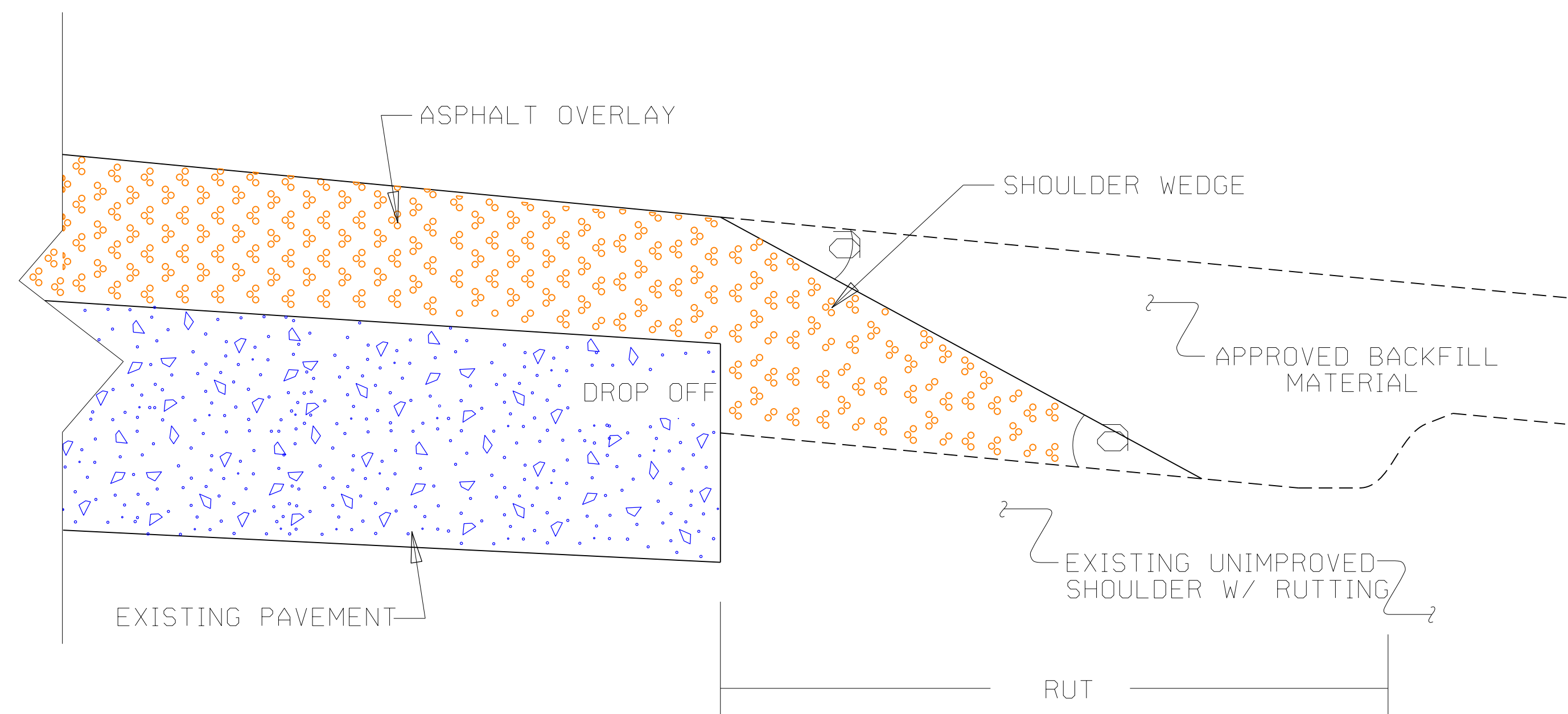
- NOTES:  
 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.  
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.  
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



**SHOULDER WEDGE DETAIL**  
 (Resurfacing Projects w/ Widening or with Existing Paved Shoulder having no dropoffs)



**SHOULDER WEDGE DETAIL**  
 (Resurfacing Projects w/ NO Widening)



**SHOULDER WEDGE DETAIL**  
 (Resurfacing Adjacent to Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

CONTRACT STANDARDS AND DEVELOPMENT UNIT Office 919-707-6950 FAX 919-250-4119			
<b>SHOULDER WEDGE DETAILS</b>			
ORIGINAL BY: T.SPELL	DATE: 7-19-11		
MODIFIED BY:	DATE: 2/2/16		
CHECKED BY:	DATE:		
FILE SPEC: susr/details/stand/shoulderwedgedetail.dgn			

SYSTEMS  
 DESIGN  
 &  
 CONSTRUCTION  
 SERVICES

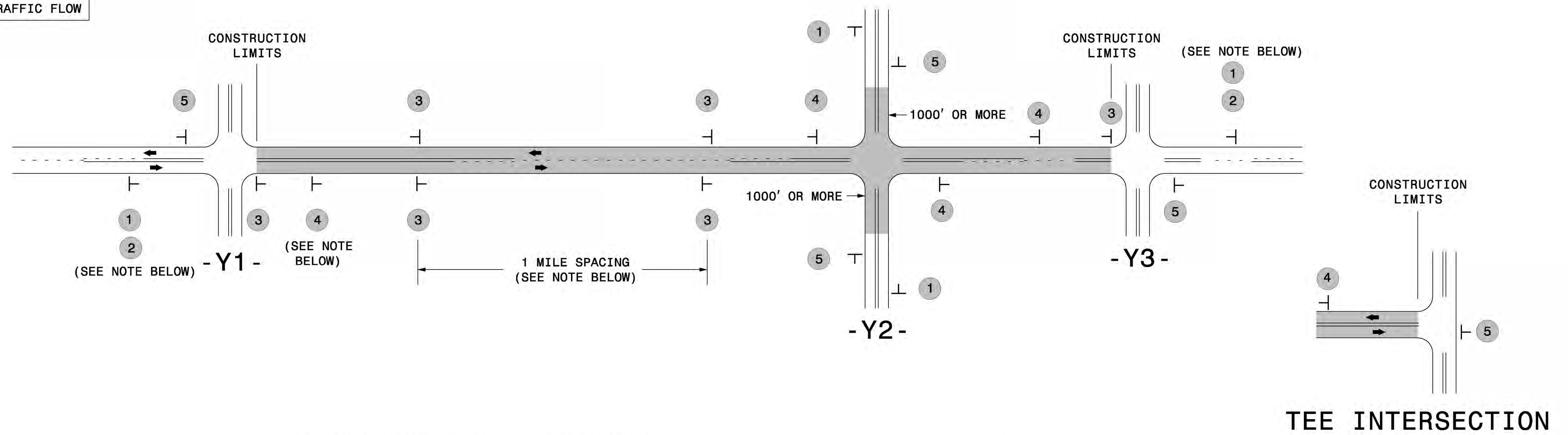


# SIGNING FOR RESURFACING PROJECTS

**LEGEND**

┆ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW



## MAINLINE (-L-) SIGNING

## -Y- LINE SIGNING

<b>SIGNING NOTES AND PLACEMENT PER DIRECTION</b>	1	 <small>W20-1 48" X 48"</small>	PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	
	2	 <small>W7-3aP 24" X 18"</small>	#2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)	
	3	 <small>SP 13107 48" X 48"</small>	- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.	
	4	 <small>SP 13106 48" X 48"</small>	- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. - DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. - INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. - FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. - A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.	
	5	 <small>G20-2 A 48" X 24"</small>	PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.	

**NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:**

- 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE
- 2) SUBDIVISION ROADS
- 3) DEAD END ROADS

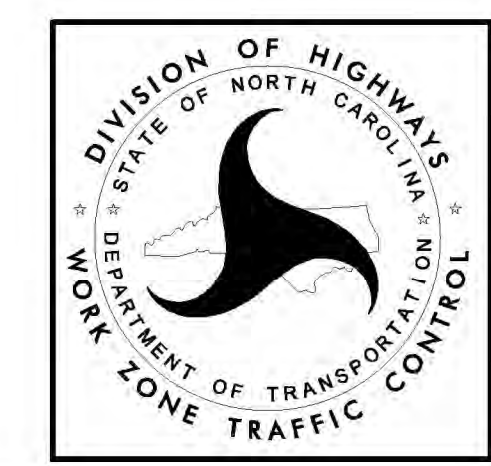
WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.

 <small>W20-1 48" X 48"</small> PLACED 500' IN ADVANCE OF FLAGGER.	 <small>W20-7 A 48" X 48"</small> PLACED 250' IN ADVANCE OF FLAGGER.
--	--

THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.

### MAPS LESS THAN 2 MILES

FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.



**ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING**

5/15/2017 5:11:10 PM \\NCDOT\Users\jgarcia\Resurfacing\212W & AST Resurfacing Details\Resurfacing\_AdvWarn\_212W.dgn User:keads