

TIP NO: SS-6001E

CONTRACT: DA00590

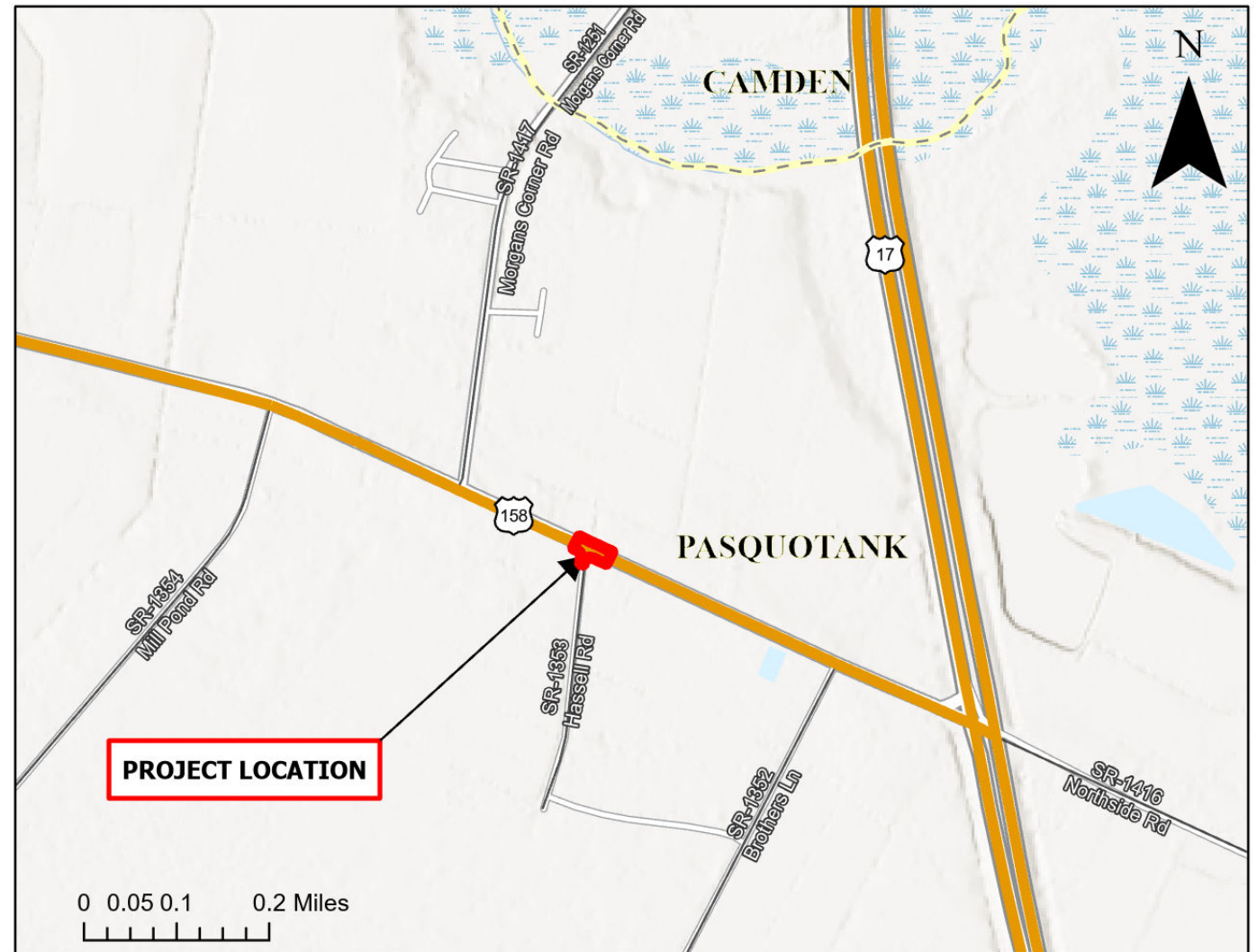
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PASQUOTANK

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	SS-6001E	1
STATE PROJECT NUMBER		DESCRIPTION
48966.1.1 , 48966.3.1		P.E., CONST.
		P.E., CONST.
		P.E., CONST.
		P.E., CONST.

TYPE OF WORK: DRAINAGE, GRADING, RESURFACING, & LONG LIFE PAVEMENT MARKINGS

SR 1353 HASSELL RD AT INTERSECTION OF US 158



PROJECT LENGTH

PROJECT LENGTH = 0.10 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS
113 AIRPORT DR., EDENTON, NC 27932

B. N. BRASWELL, PE
DIV. PROJ. DEVELOPMENT ENGINEER

C. E. SLACHTA
DIVISION CONTRACT ENGINEER

J. S. ABEL, JR.
DIVISION PROJECT TEAM LEAD

D. H. STALLINGS
DIVISION DESIGN ENGINEER



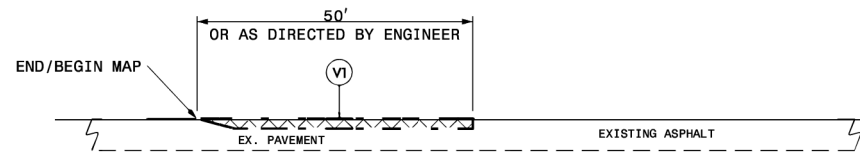
PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
E1	PROP. APPROX. 5½" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
L	AGGREGATE SHOULDER BORROW
U	EXISTING PAVEMENT.
V1	INCIDENTAL MILLING
V2	MILLING ASPHALT PAVEMENT, 1.5" IN DEPTH.

PROJECT REFERENCE NO.	SHEET NO.
48966.3.1	2

NOTES:

- *ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII., OR AS DIRECTED BY THE ENGINEER
- *EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES

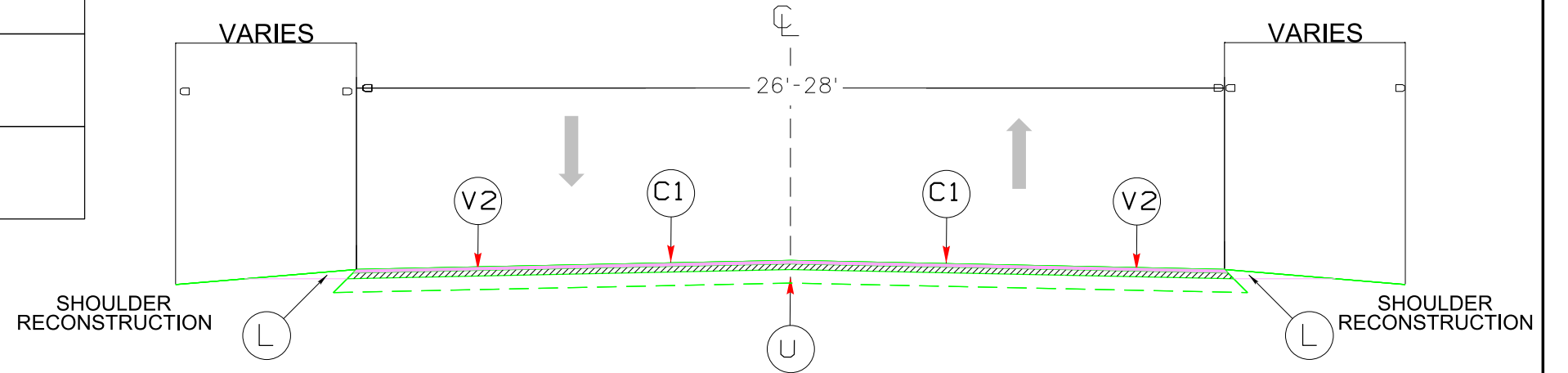


DETAIL 1

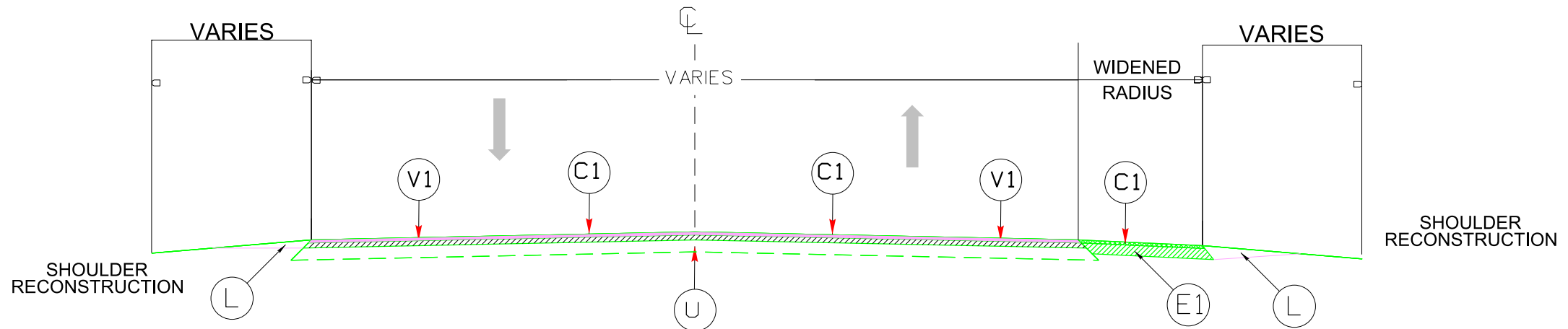
MAIN LINE MILLING

NOTE:

1. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE SECTIONS, OR AS DIRECTED BY THE ENGINEER.
2. PAVE TO THE END OF THE MILLED SURFACE TO CREATE A SMOOTH TRANSITION.



TYPICAL SECTION NO. 1
USE WITH US 158



TYPICAL SECTION NO. 2
USE WITH SR 1353
HASSELL RD INTERSECTION

NTS

PLAN VIEW DETAILED DRAWING



15 MILES
SUNBURY

Sta. 10+00.00 (-EL-)
BEG MILL & FILL

U.S. HWY 158

Sta. 12+15.41 (-Y-)
Sta. 11+98.45 (-EL-)

EXISTING
CONC HW

Sta. 12+71.57 PT (-EL-)
24.00' RT

EXISTING
3-42" RCP

Sta. 14+31.58 (-EL-)
END MILL & FILL

2

PARKWAY AG SUPPLY, LLC
DB 680 PG 917

11+31.41 PC (-Y-)
14.51' RT
11+18.31 (-Y-)
BEGIN PROPOSED PAVEMENT

EOP TO BE
SHIFTED 1.0'
TO THE WEST

1SFMTLBUS
1SFMTLBUS

S.R.1353 (HASSELL RD.)

EXISTING
CONC HW
PROPOSED
TRAFFIC BEARING
JUNCTION BOX w/
3 - 42" x 72" RCP
w/ Manhole for Access

WATER SERVICE

PROPOSED PERMANENT
DRAINAGE EASEMENT
(1046 SQ FT)

1

EDWARD S. EVANS
DB 679 PG 507

PROPOSED
AREA OF RIP RAP
(510 SQ FT)

10+97.06 -Y-
36.97 RT

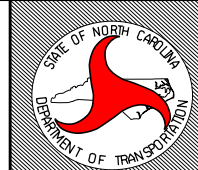
10+51.85 -Y-
20.2549 RT

Sta. 10+00.00 (-Y-)

0.38 MILES
U.S. HWY 17

Note: 6" PVC Waterline is located on top of existing
3 lines of pipe approximately 2 feet below surface.
It is encased in an 8" Ductile Iron Sleeve over pipe culvert.

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



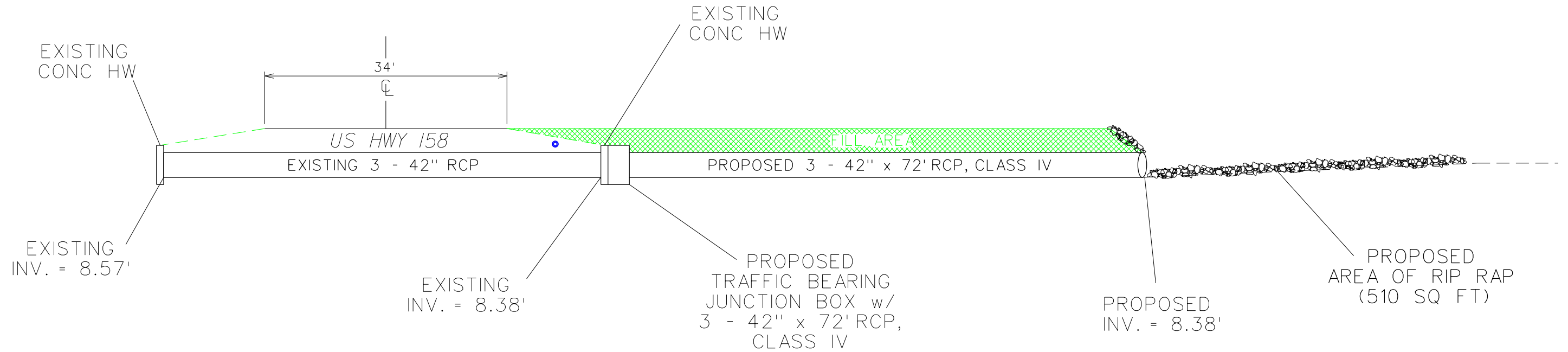
COUNTY: PASQUOTANK WBS#: 48966.3.1
QUAD: SOUTH MILLS DATE: JULY 18, 2023
BASIN: PASQUOTANK SHEET #: 3

INTERSECTION IMPROVEMENT

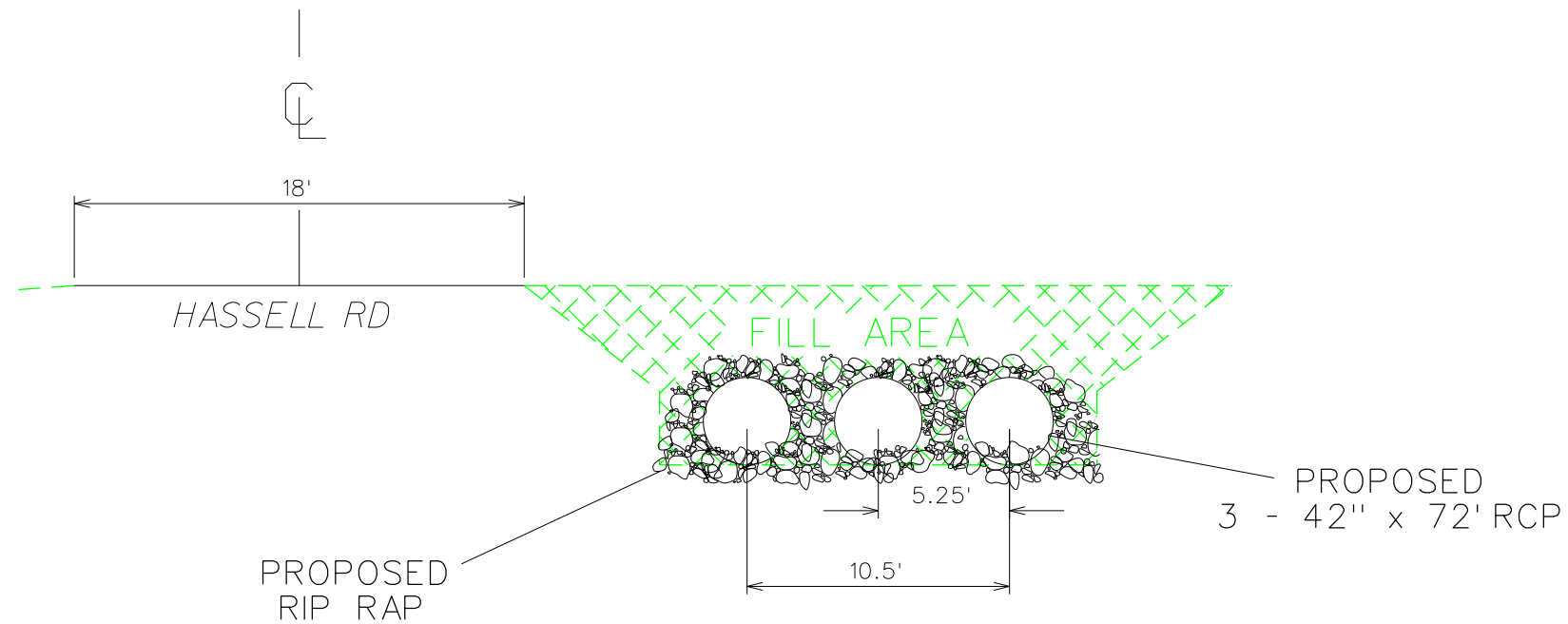
LAT. = 36.416552 N LONG. = 76.346996 W

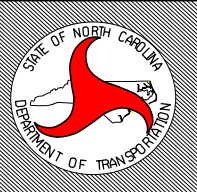
DRAWN BY: B.K. BROWN SCALE: 1" = 40'

CROSS SECTION VIEW

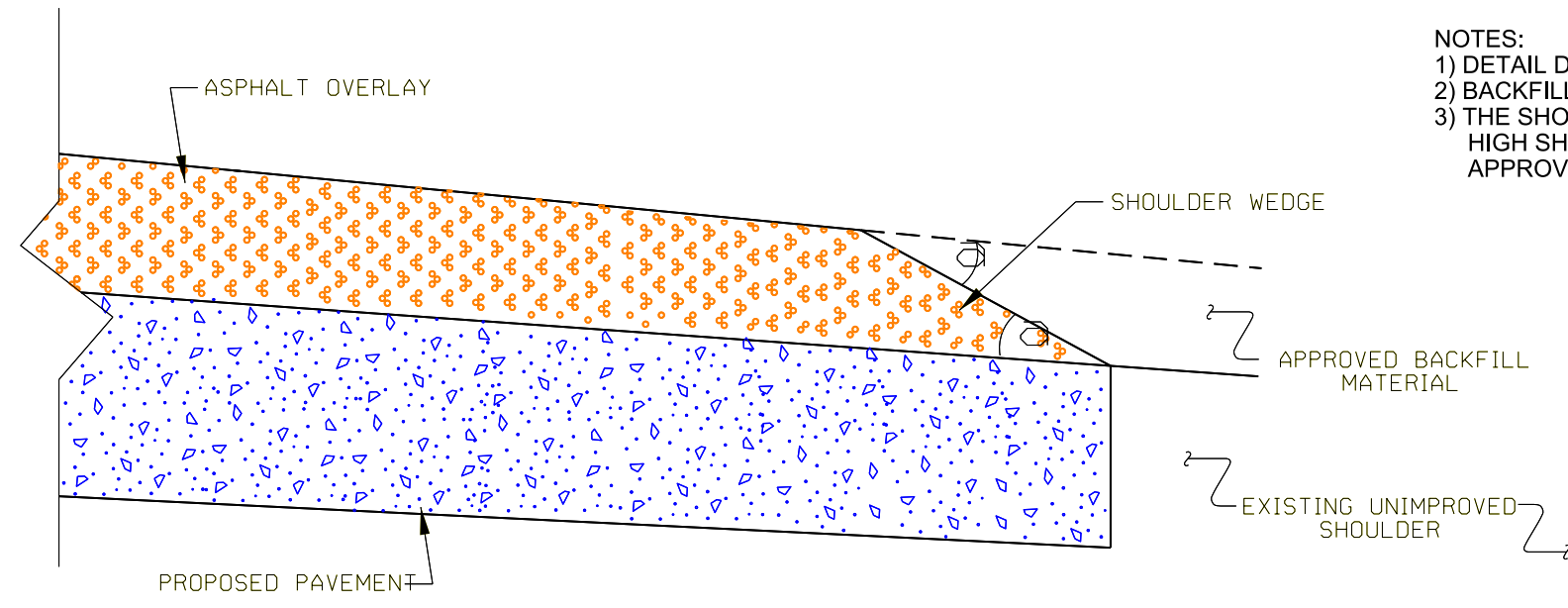


CROSS SECTION VIEW (END VIEW)



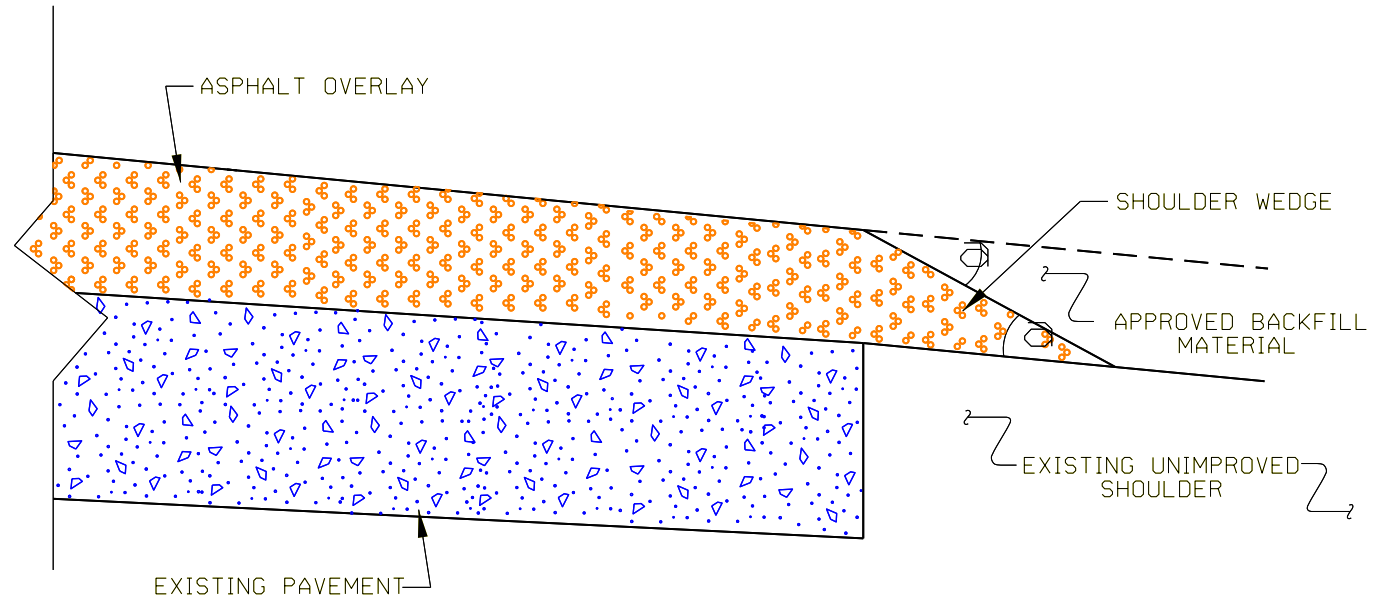
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION 1 113 AIRPORT DR. EDENTON, NC 27932 (252) 482-1850		
COUNTY: PASQUOTANK WBS#: 48966.3.1 QUAD: SOUTH MILLS DATE: JULY 18, 2023 BASIN: PASQUOTANK SHEET #: 4		
INTERSECTION IMPROVEMENT		
LAT. = 36.416552 N		LONG. = 76.346996 W
DRAWN BY: B.K. BROWN		SCALE: NTS

- 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.



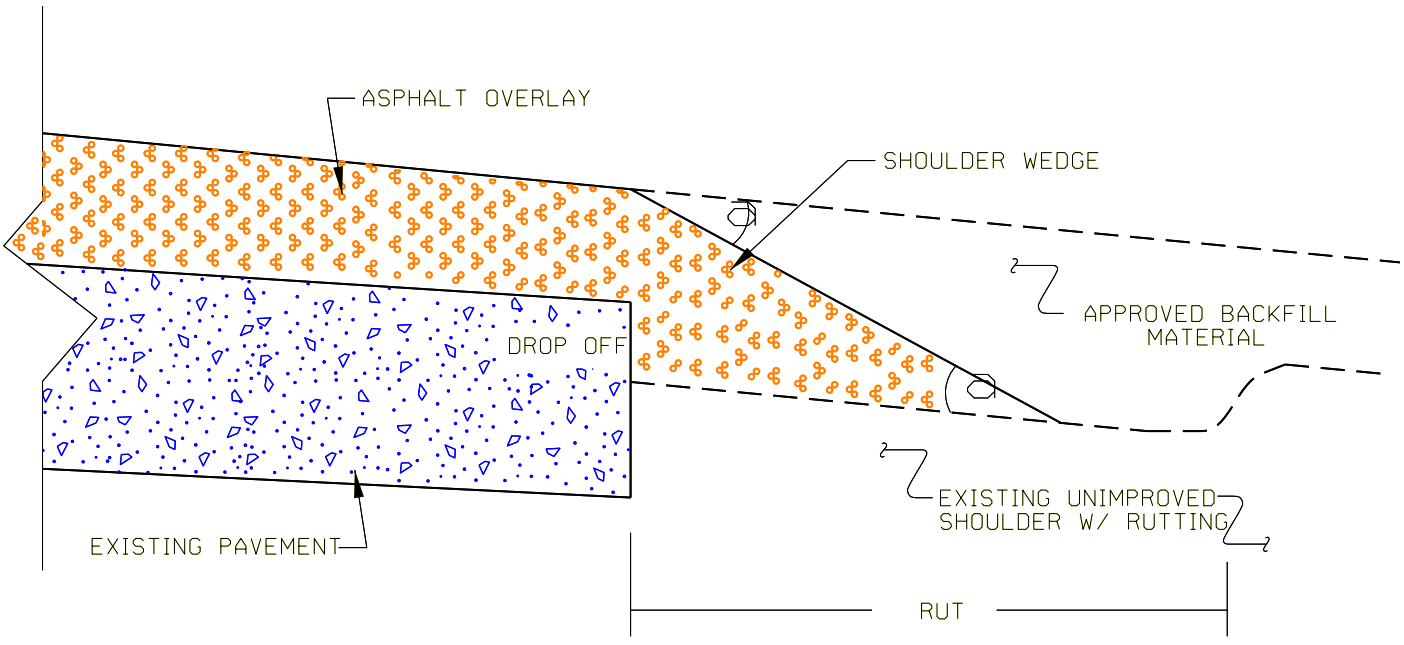
SHOULDER WEDGE DETAIL

(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
SHOULDER WEDGE DETAILS	
ORIGINAL BY: T.SPELL	DATE: 7-19-11
MODIFIED BY:	DATE: 10/16/12
CHECKED BY:	DATE:
FILE SPEC.: swsr/details/stand/shoulder-wedge-detail.dgn	

PROJECT NO.	SHEET NO.	TOTAL NO.
48966.3.1	6	

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	0001000000-N	0012000000-E	0017000000-E	0063000000-N	0100000000-E	0156000000-E	0318000000-E	0322000000-E	0448700000-E	1077000000-E	1121000000-E	1245000000-E	1260000000-E	1297000000-E	1330000000-E		
												MOBILIZATION	UNCLASSIFIED EXCAVATION	UNDERCUT EXCAVATION	GRADING (SP)	BORROW EXCAVATION	REMOVAL OF EXISTING ASPHALT	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	FND CONDT GEOTEXTILE	42" RC PIPE CULVERTS, CLASS IV	#57 STONE	AGGREGATE BASE COURSE	SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	MILLING ASPHALT PAVEMENT (1.5")	INCIDENTAL MILLING		
												MI	FT	LS	CY	CY	LS	CY	SY	TON	SY	LF	TON	TONS	SMI	TONS	SY	SY
48966.3.1	Pasquotank	1	SR-1353 / HASSELL RD	SR1353 AT INTERSECTION OF US 158		1	2	ZWU	NO	NO	0.1	28	1	60	20	1	40	80	80	200	216	275	185	0.20	15	1,000	750	
TOTAL FOR PROJ NO. 48966.3.1												0.1		1	60	20	1	40	80	200	216	275	185	0.20	15	1,000	750	

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	1491000000-E	1523000000-E	1575000000-E	2396000000-N	2472000000-N	2830000000-N	2845000000-N	3649000000-E	3656000000-E	6000000000-E	6070000000-N	6071012000-E	6084000000-E	6117000000-N	6133000000-N	
												ASPHALT CONC BASE COURSE, B25.0C	ASPHALT CONC SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	FRAME WITH COVER, STD 840.54	GENERIC DRAINAGE ITEM, JUNCTION BOX (OVER-SIZED, HEAVY DUTY)	ADJUSTMENT OF MANHOLES	ADJUSTMENT OF METER OR VALVE BOXES	RIP RAP, CLASS B	GEOTEXTILE FOR DRAINAGE	TEMPORARY SILT FENCE	SPECIAL STALLING BASINS	COIR FIBER WATTLE	SEEDING & MULCHING	RESPONSE FOR EROSION CONTROL	DEWATERING RCP	
												MI	FT	TONS	TONS	TONS	EA	EA	EA	TON	SY	LF	EA	LF	ACR	EA	LS
48966.3.1	Pasquotank	1	SR-1353 / HASSELL RD	SR1353 AT INTERSECTION OF US 158		1	2	ZWU	NO	NO	0.1	28	75	200	15	1	1	1	40	80	250	2	50	0.50	1	1	
TOTAL FOR PROJ NO. 48966.3.1												0.1		75	200	15	1	1	1	40	80	250	2	50	0.50	1	1

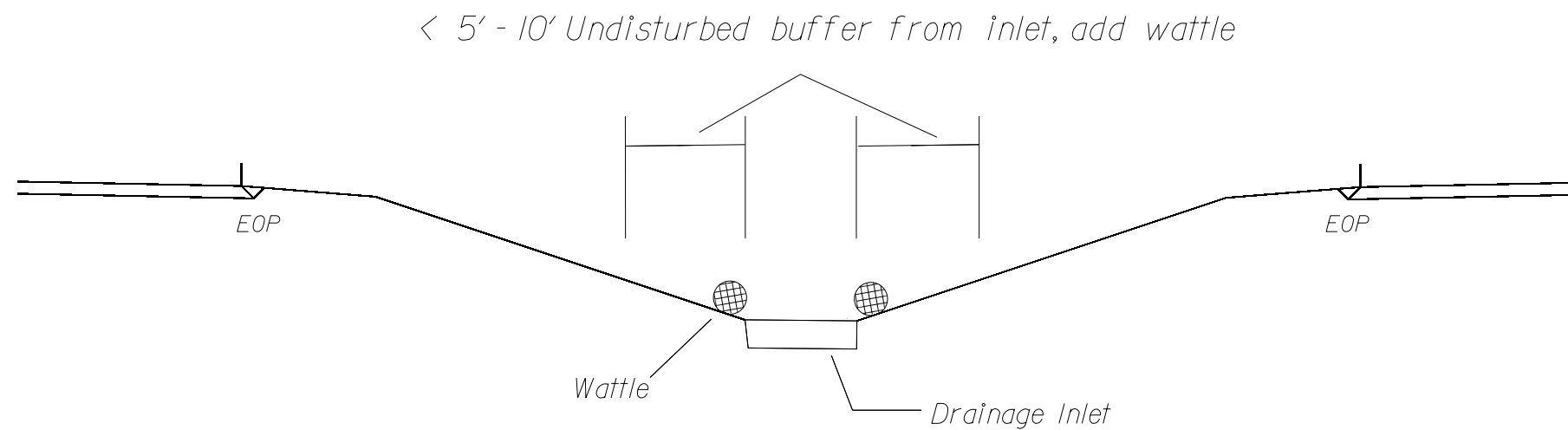
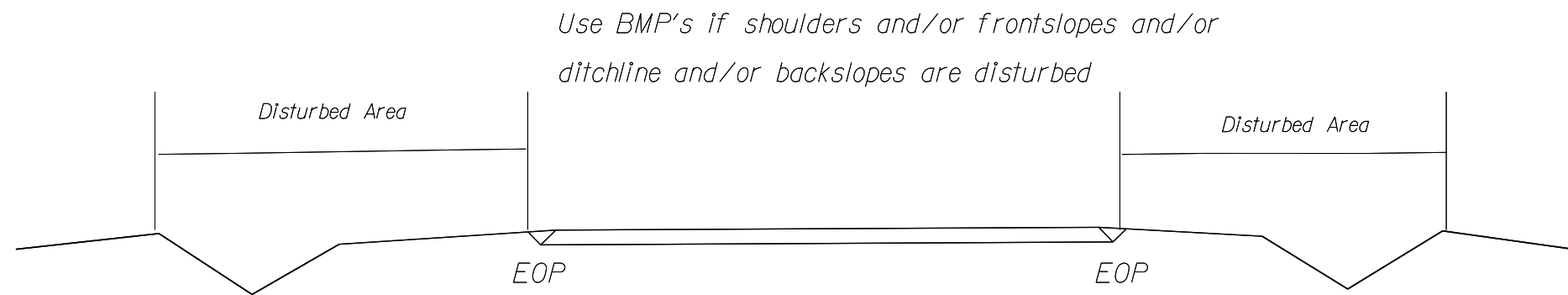
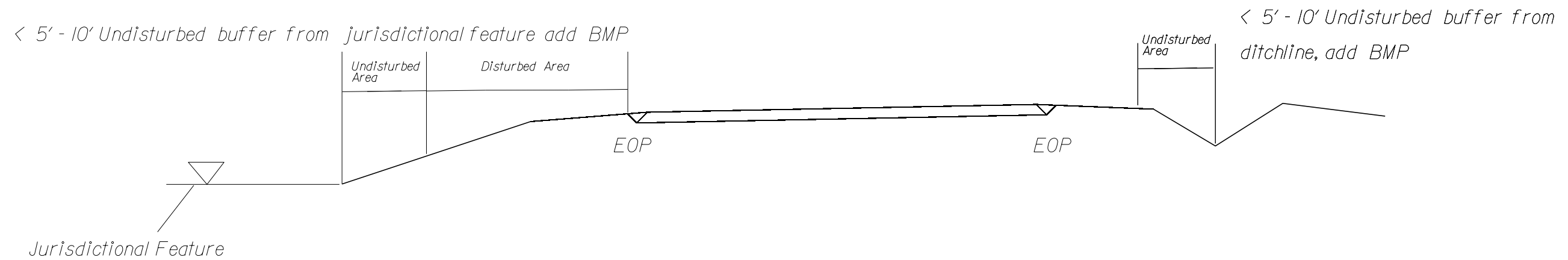
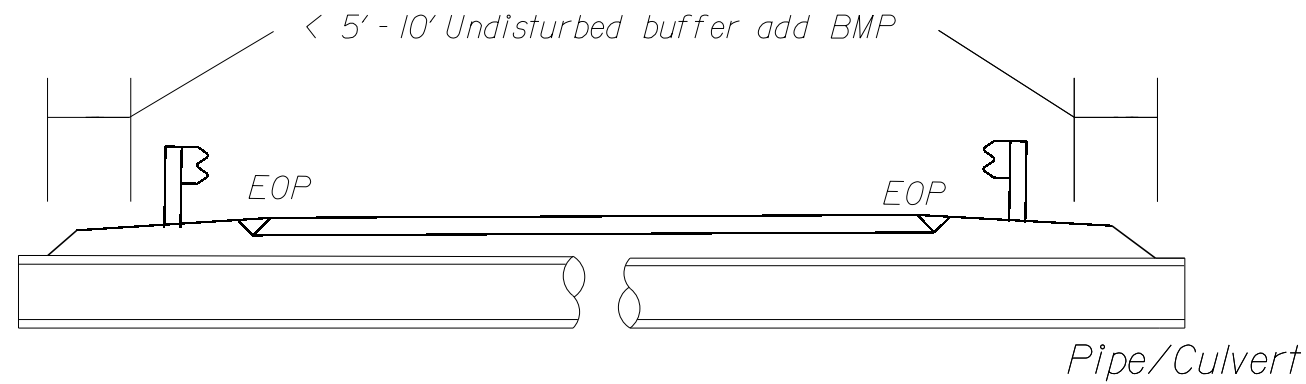
THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	4413000000-E	4457000000-N	4685000000-E		4810000000-E			
												WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL (SF)	THERMO PAVEMENT MARKING LINES (4", 90 MILLS) WHITE	THERMO PAVEMENT MARKING LINES (4", 90 MILLS) YELLOW	PAINT PAVEMENT MARKING LINES (4") WHITE	PAINT PAVEMENT MARKING LINES (4") YELLOW		
												MI	FT	SF	LS	LF	LF		
48966.3.1	Pasquotank	1	SR-1353 / HASSELL RD	SR1353 AT INTERSECTION OF US 158		1	2	ZWU	NO	NO	0.1	28	240	1	2,000	2,000	2,000	2,000	
TOTAL FOR PROJ NO. 48966.3.1												0.1		240	1	2,000	2,000	2,000	2,000

NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

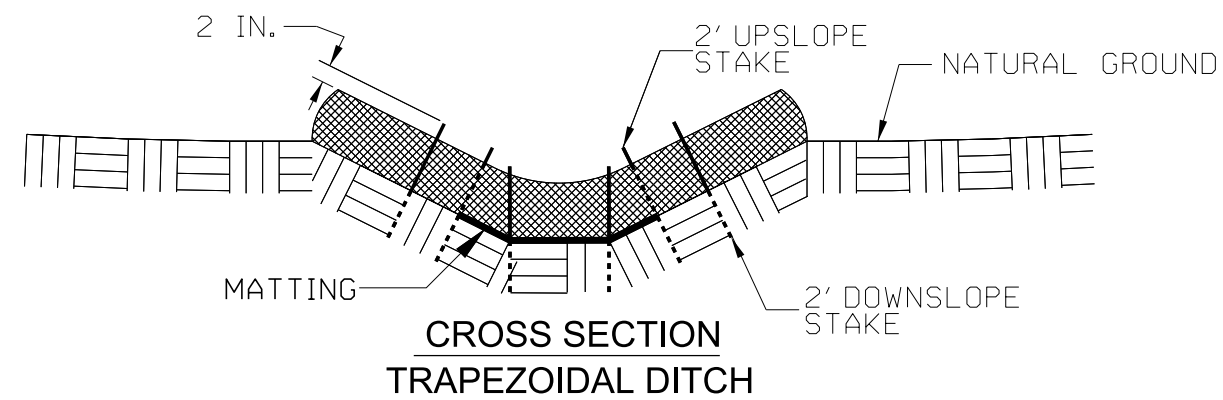
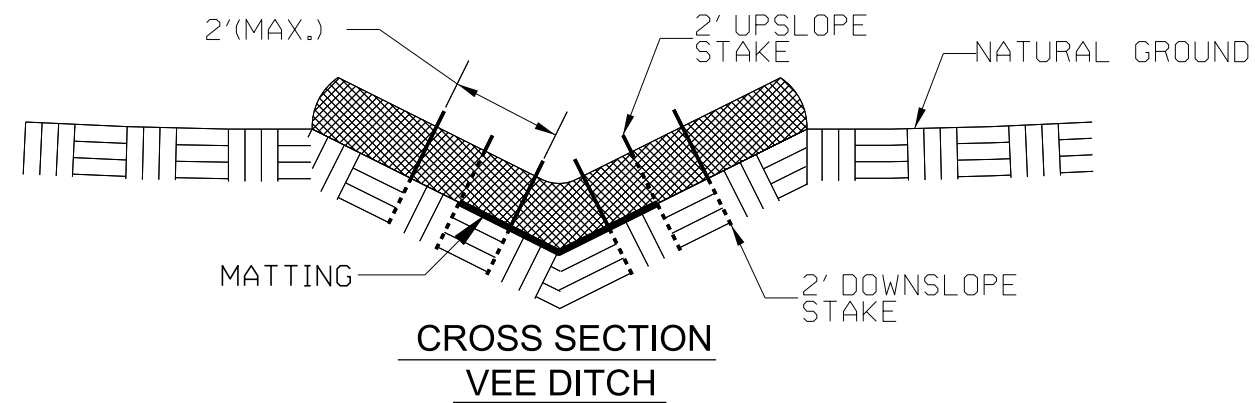
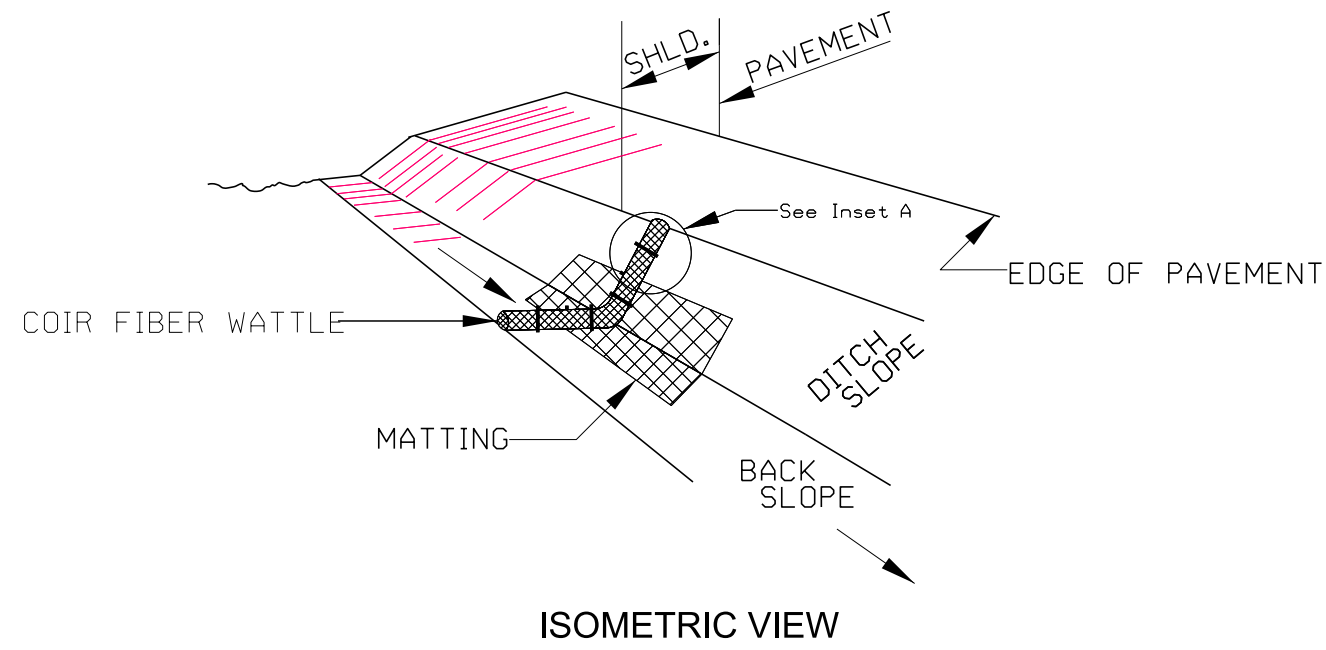
EROSION CONTROL DETAIL

BMP Options: Wattle or Silt Fence



NOT TO SCALE

COIR FIBER WATTLE DETAIL



NOTES:

USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

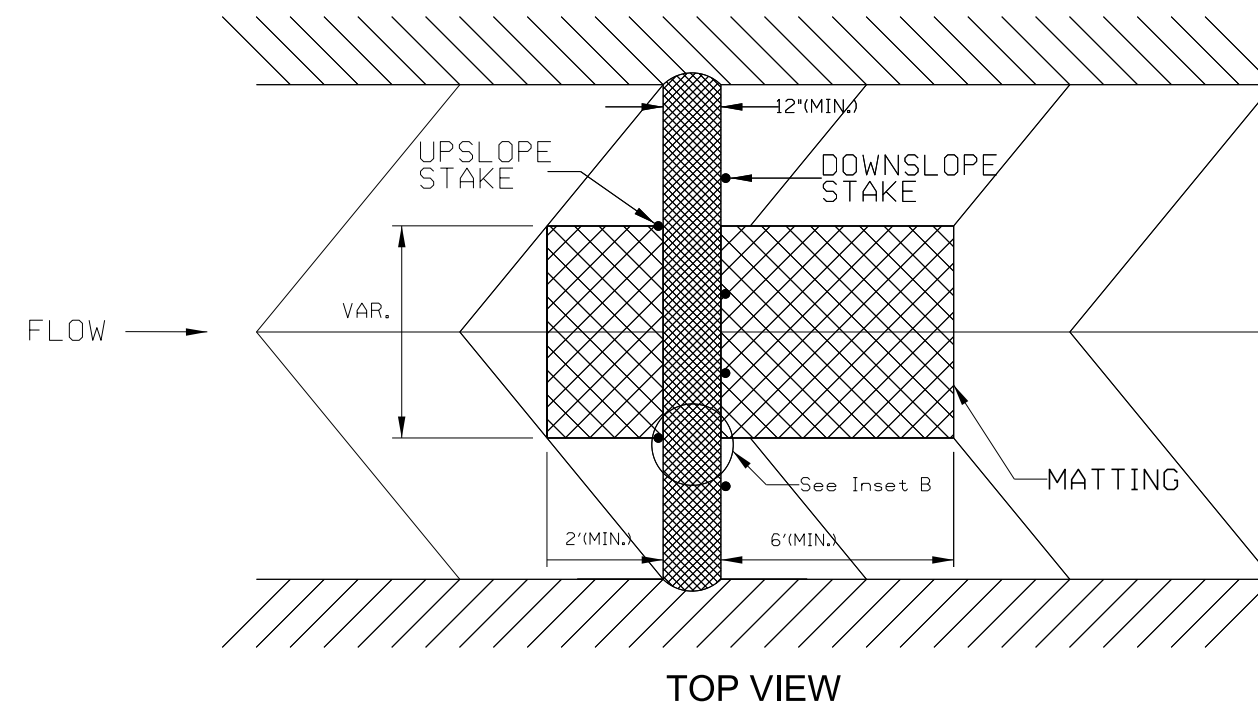
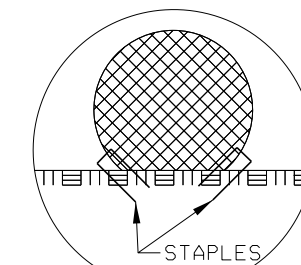
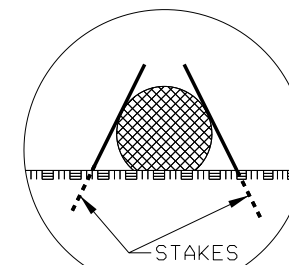
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

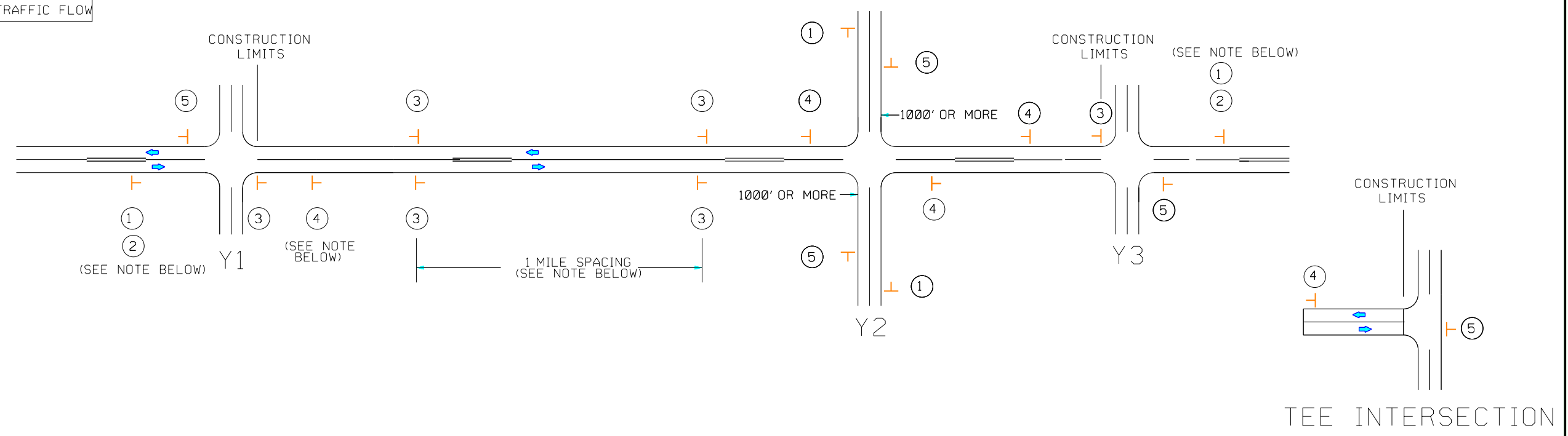
SOIL STABILIZATION TIMEFRAMES

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

SIGNING FOR RESURFACING PROJECTS

LEGEND

STATIONARY SIGN
 DIRECTION OF TRAFFIC FLOW



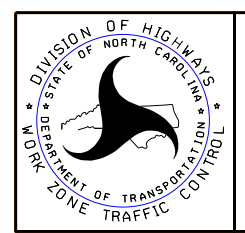
MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	①		PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	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. <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> W20-1 48" X 48" </div> <div style="text-align: center;"> W20-7 A 48" X 48" </div> </div> PLACED 500' IN ADVANCE OF FLAGGER.
	②		#2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. **MILES 24" X 18" ROUND UP TO NEXT WHOLE NUMBER.(NO FRACTIONAL OR DECIMAL NUMBERS)	
	③	 	- ALTERNATE THE FOLLOWING TWO SIGNS: - PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 5/64 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.	
	④		- 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		PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.	
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

*****SYTIME*****
 *****X*****
 *****SERNAME*****