

WBS NO: 2025CPT.01.11.10721, ETC.

CONTRACT: DA00619

STATE OF NORTH CAROLINA

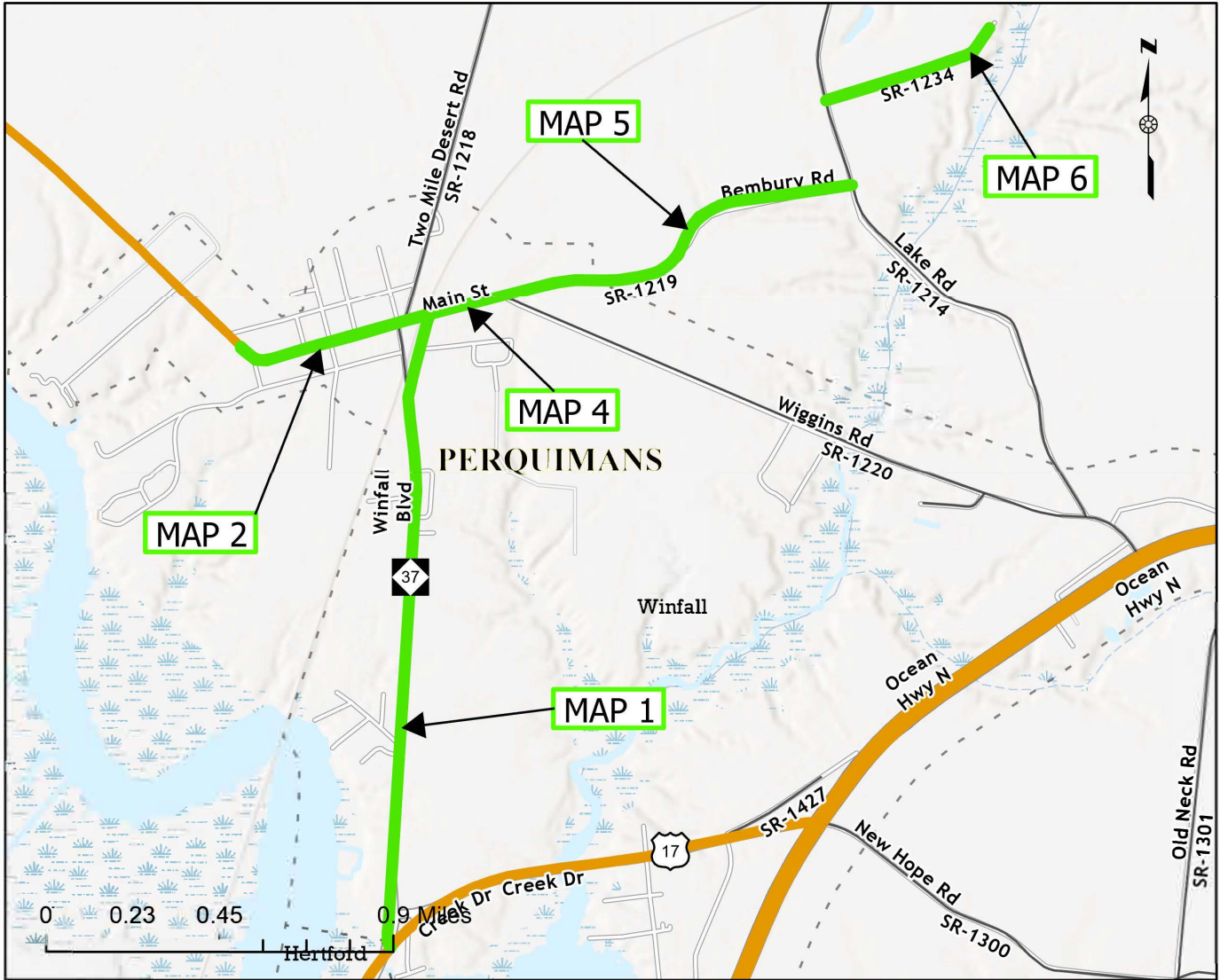
DIVISION OF HIGHWAYS

PERQUIMANS

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2025CPT.01.11.10721, ETC.	1
STATE PROJECT NUMBER		DESCRIPTION
2025CPT.01.11.10721		P.E., CONST.
2025CPT.01.11.20721		P.E., CONST.

TYPE OF WORK: MILLING, RESURFACING, SHOULDER RECONSTRUCTION, & PAVEMENT MARKINGS

MAP	ROUTE	FROM	TO
01	NC 37	US 17 Bus. (Creek Dr.)	SR 1219 (Main St.)
02	NC 37	Winfall Blvd.	End C&G
04	SR 1219 (Main St.)	NC 37	SR 1220 (Wiggins Rd.)
05	SR 1219 (Bembury Rd.)	SR 1214 (Lake Rd.)	SR 1220 (Wiggins Rd.)
06	SR 1234 (Cottonwood Dr.)	SR 1214 (Lake Rd.)	Cul-de-sac



PROJECT LENGTH

MAP	MILES
01	1.327
02	0.42
04	0.15

MAP	MILES
05	0.81
06	0.38

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

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

M. S. WINSLOW
DIVISION CONTRACT ENGINEER

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

D. H. STALLINGS
DIVISION DESIGN ENGINEER



STATE OF NORTH CAROLINA

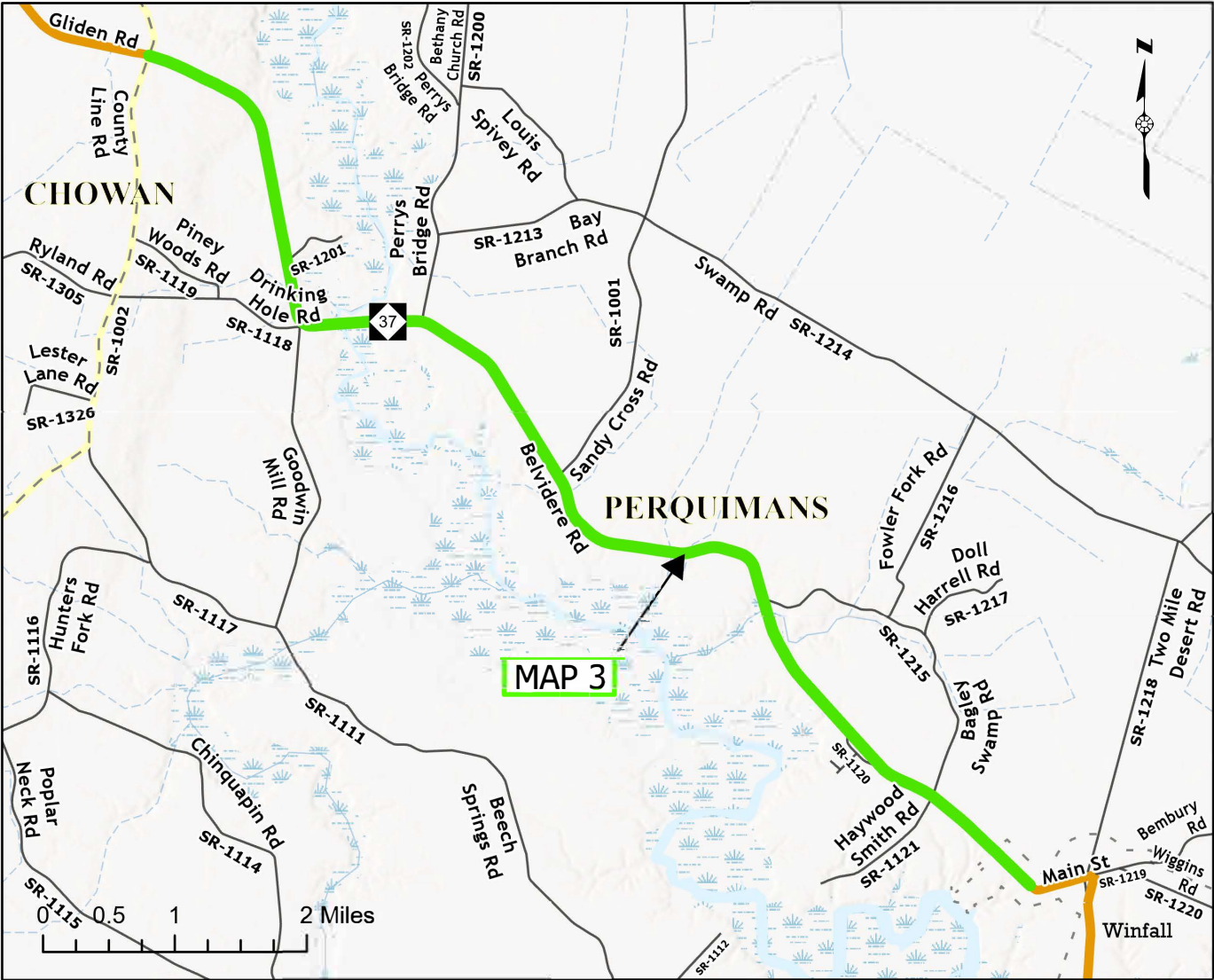
DIVISION OF HIGHWAYS

PERQUIMANS

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2025CPT.01.11.10721, ETC.	2
STATE PROJECT NUMBER		DESCRIPTION
2025CPT.01.11.10721		P.E., CONST.
2025CPT.01.11.20721		P.E., CONST.

TYPE OF WORK: MILLING, RESURFACING, & PAVEMENT MARKINGS

MAP	ROUTE	FROM	TO
03	NC 37	SR 1219 (Main St.)	Chowan Co



PROJECT LENGTH

MAP	MILES
03	8.231

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

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DIVISION PROJECT TEAM LEAD

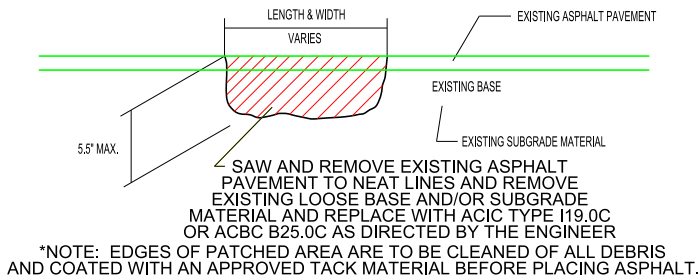
D. H. STALLINGS
DIVISION DESIGN ENGINEER



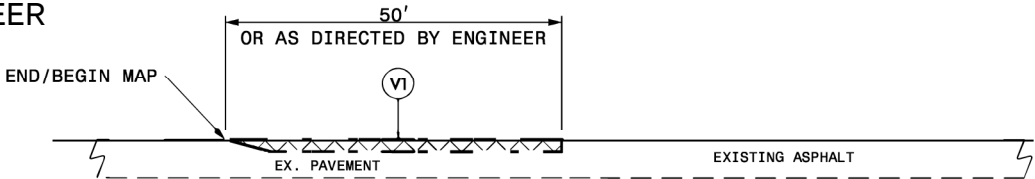
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
V1	INCIDENTAL MILLING
V2	MILLING ASPHALT PAVEMENT, 1.5" DEPTH
U	EXISTING PAVEMENT.

PROJECT REFERENCE NO.	SHEET NO.
2025CPT.01.11.10721, ETC.	3

- * ALL INTERSECTING ROADS ARE TO BE RESURFACED TO THE ENDS OF THEIR RADII, THE MAIN LINE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER. THIS SHALL INCLUDE ANY TAPERS AND TURN LANES LOCATED BOTH ON THE MAIN LINE OR INTERSECTING PAVED ROADWAY.
- * EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES.
- * 1.5" OF S9.5C TO BE APPLIED THE FULL WIDTH OF THE ROADWAY
- * CONTRACTOR SHALL PERFORM PATCHING EXISTING PAVEMENT, FULL DEPTH BEFORE APPLICATION OF 1.5" OF S9.5C
- * SHOULDER WEDGE SHALL BE USED ON ALL ROADS 22' OR WIDER OR AS DIRECTED BY THE ENGINEER



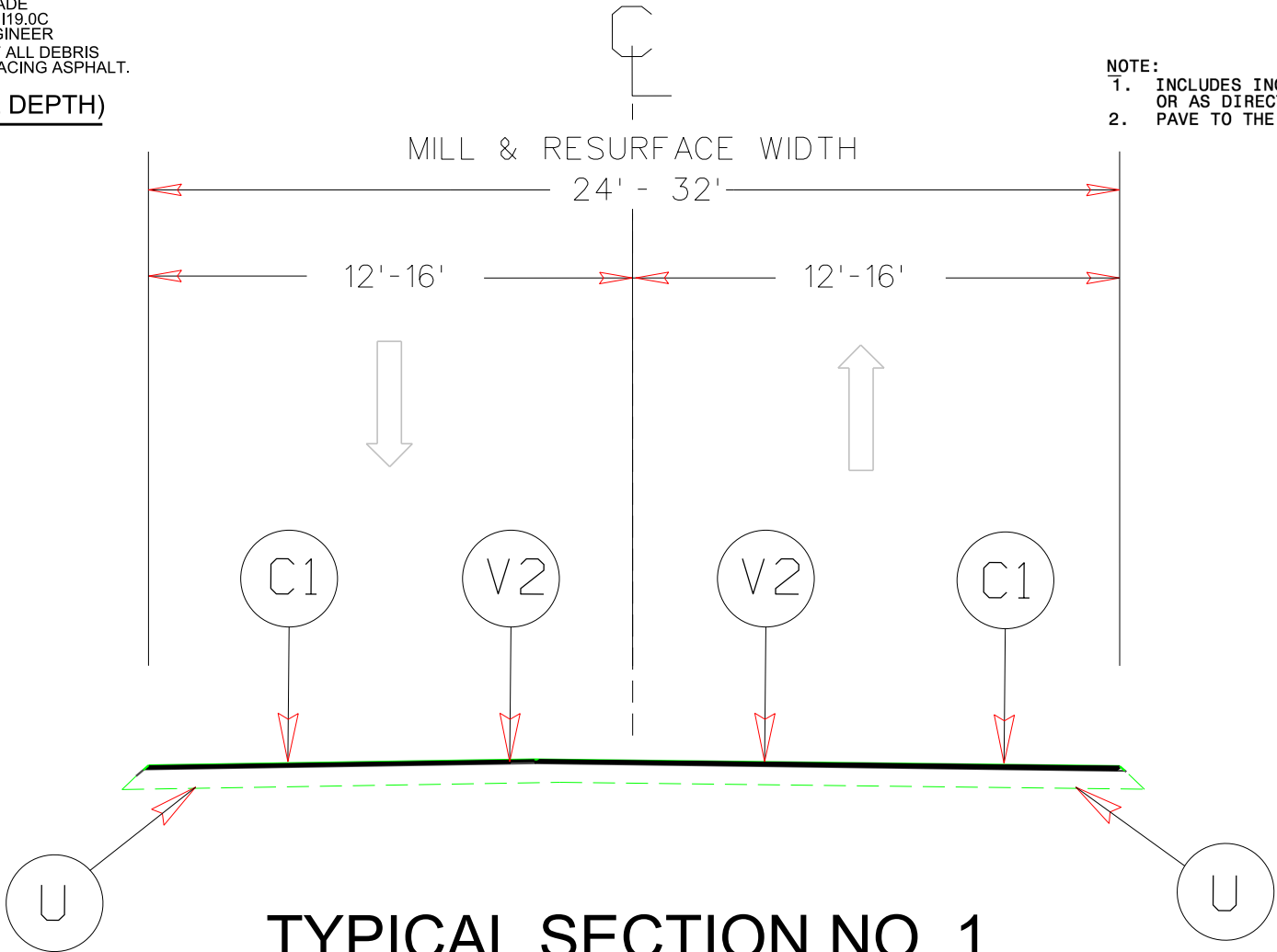
PATCHING EXISTING PAVEMENT (FULL DEPTH)



DETAIL 1

MAIN LINE MILLING

- NOTE: MAIN LINE MILLING
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 MAPS 1 & 3

NTS

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$$$$$SYTIME$$$$$
$$$$$DCN$$$$$
$$$$$USERNAME$$$$$

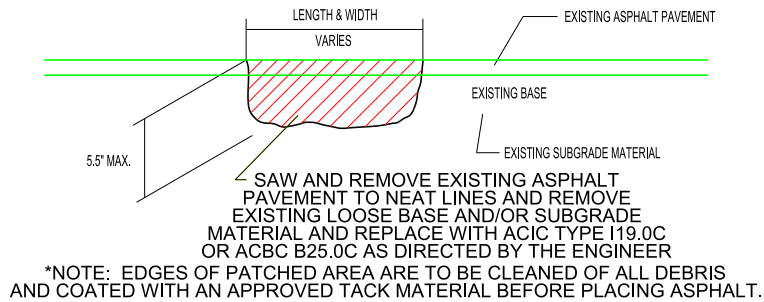
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PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
V1	INCIDENTAL MILLING
V2	MILLING ASPHALT PAVEMENT, 1.5" DEPTH
U	EXISTING PAVEMENT

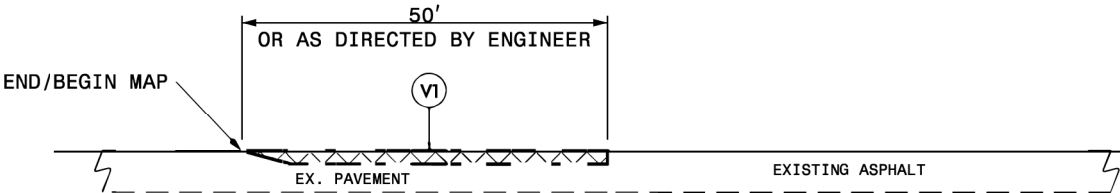
NOTES:

- * ALL INTERSECTING ROADS ARE TO BE RESURFACED TO THE ENDS OF THEIR RADII, THE MAIN LINE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER. THIS SHALL INCLUDE ANY TAPERS AND TURN LANES LOCATED BOTH ON THE MAIN LINE OR INTERSECTING PAVED ROADWAY.
- * EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES.
- * 1.5" OF S9.5C TO BE APPLIED THE FULL WIDTH OF THE ROADWAY
- * CONTRACTOR SHALL PERFORM PATCHING EXISTING PAVEMENT, FULL DEPTH BEFORE APPLICATION OF 1.5" OF S9.5C

PROJECT REFERENCE NO.	SHEET NO.
2025CPT.01.11.10721, ETC.	4



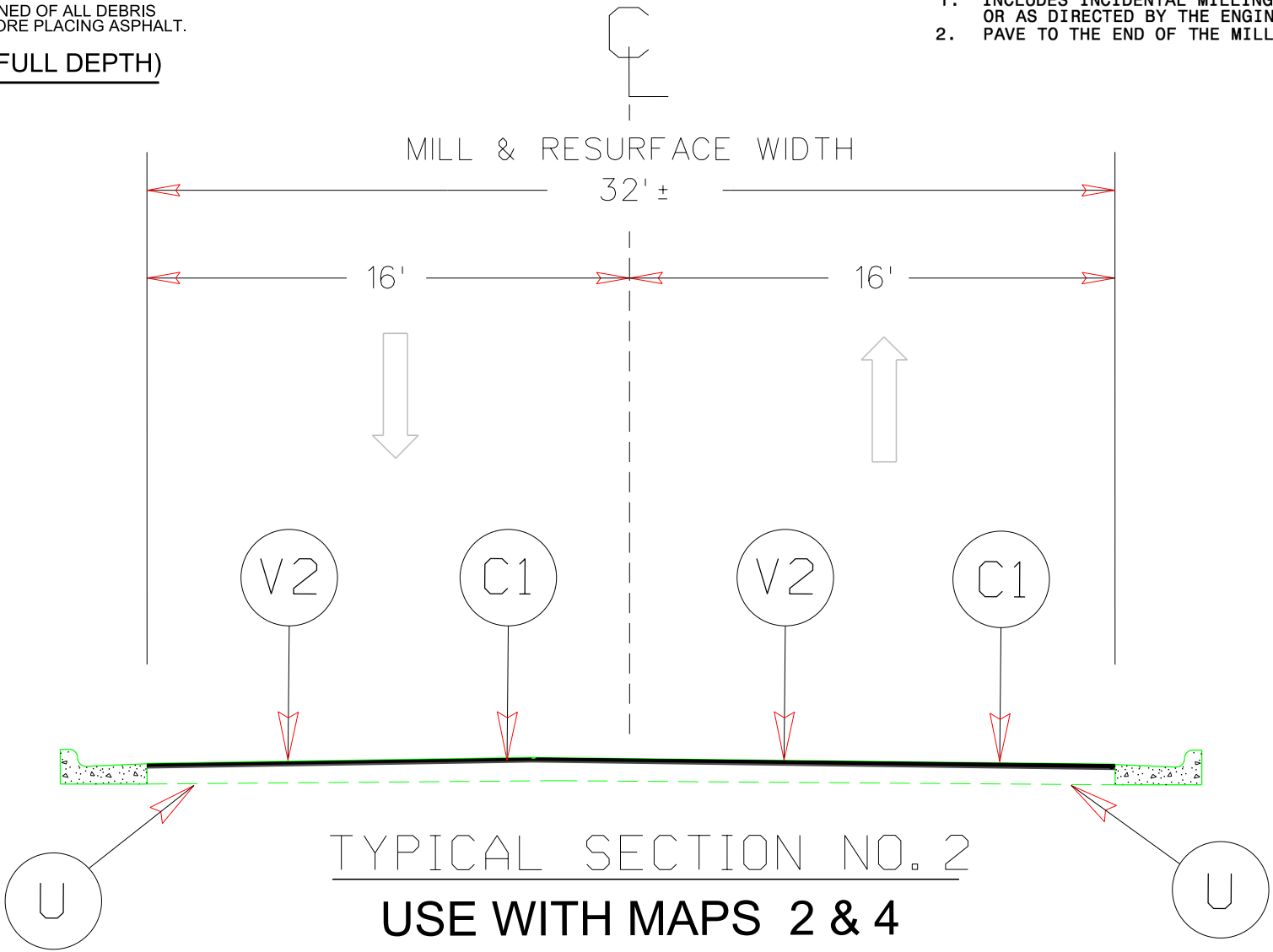
PATCHING EXISTING PAVEMENT (FULL DEPTH)



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.

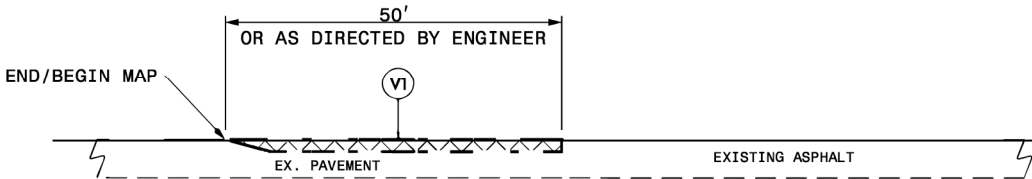
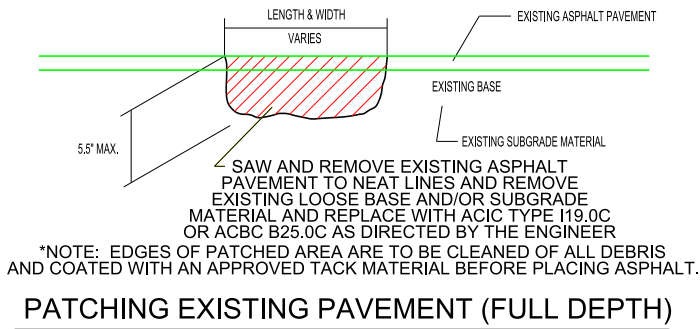


PAVEMENT SCHEDULE	
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
V1	INCIDENTAL MILLING
U	EXISTING PAVEMENT
T	SHOULDER RECONSTRUCTION

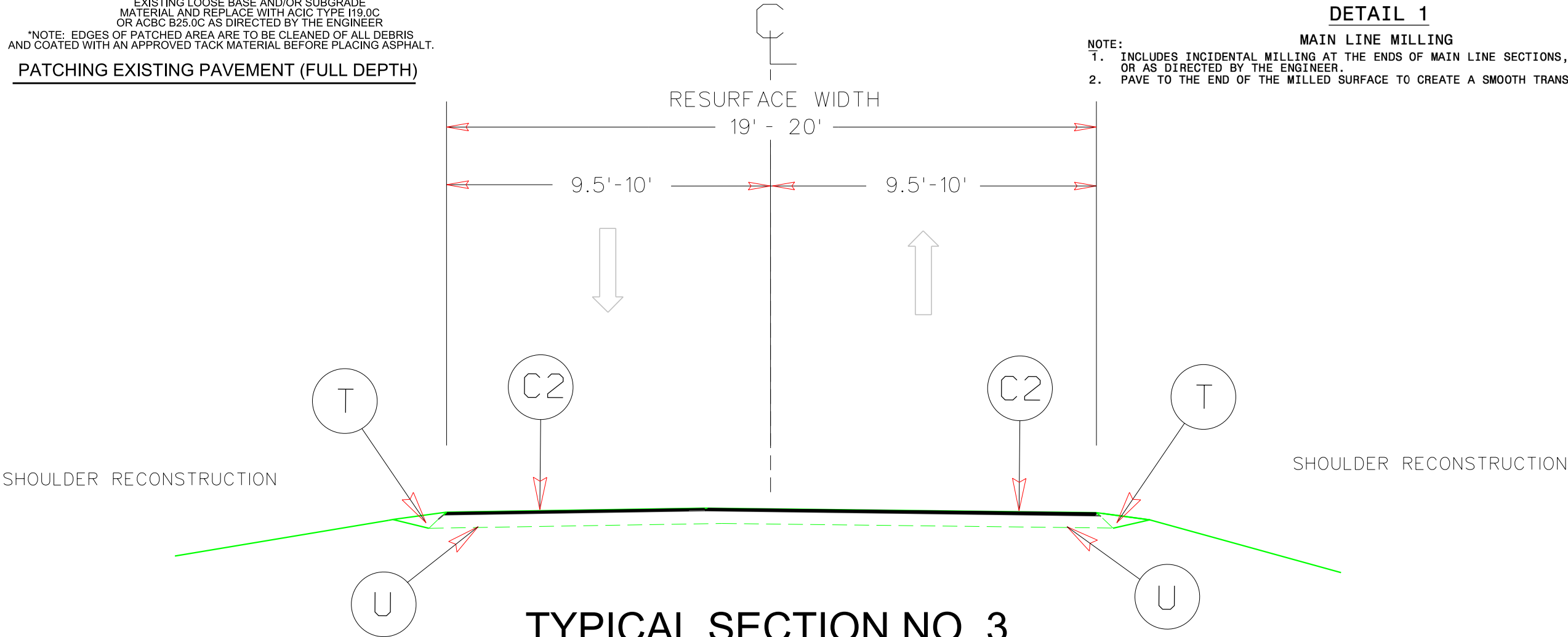
PROJECT REFERENCE NO.	SHEET NO.
2025CPT.01.11.10721, ETC.	5

NOTES:

- * ALL INTERSECTING ROADS ARE TO BE RESURFACED TO THE ENDS OF THEIR RADII, THE MAIN LINE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER. THIS SHALL INCLUDE ANY TAPERS AND TURN LANES LOCATED BOTH ON THE MAIN LINE OR INTERSECTING PAVED ROADWAY.
- * EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES.
- * 1.5" OF S9.5B TO BE APPLIED THE FULL WIDTH OF THE ROADWAY
- * CONTRACTOR SHALL PERFORM PATCHING EXISTING PAVEMENT, FULL DEPTH BEFORE APPLICATION OF 1.5" OF S9.5B

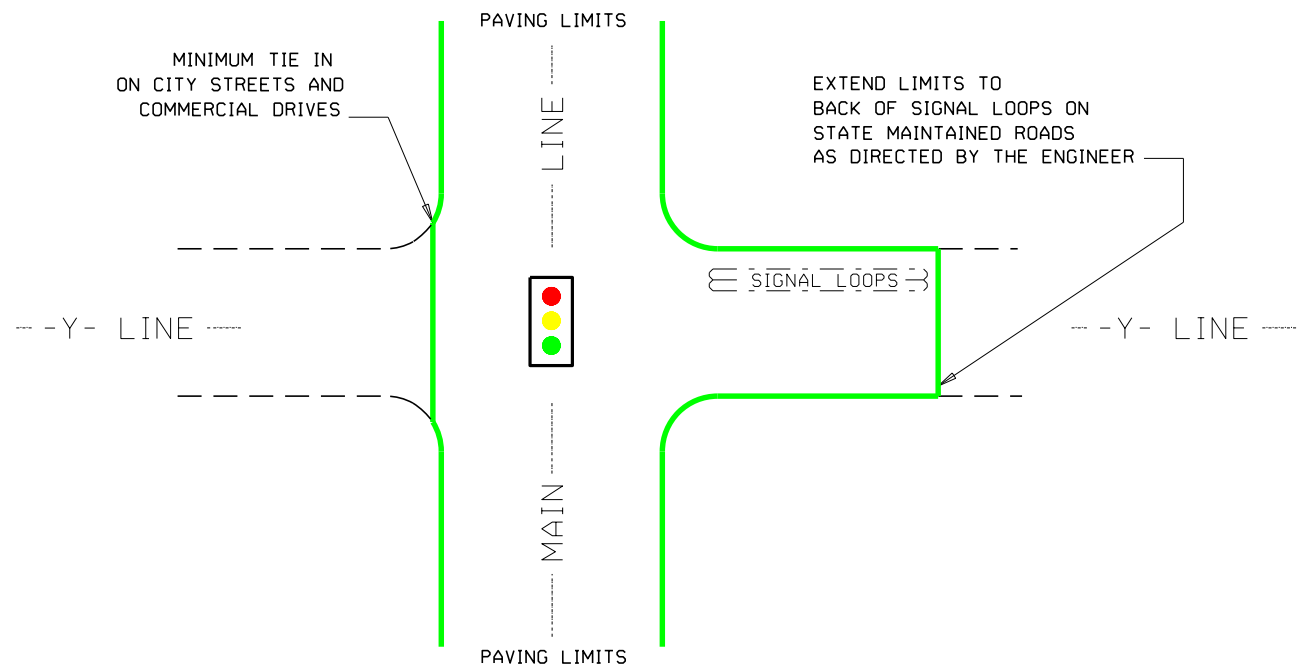


- NOTE:
1. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE SECTIONS, OR AS DIRECTED BY THE ENGINEER.
 2. PAVE TO THE END OF THE MILLED SURFACE TO CREATE A SMOOTH TRANSITION.

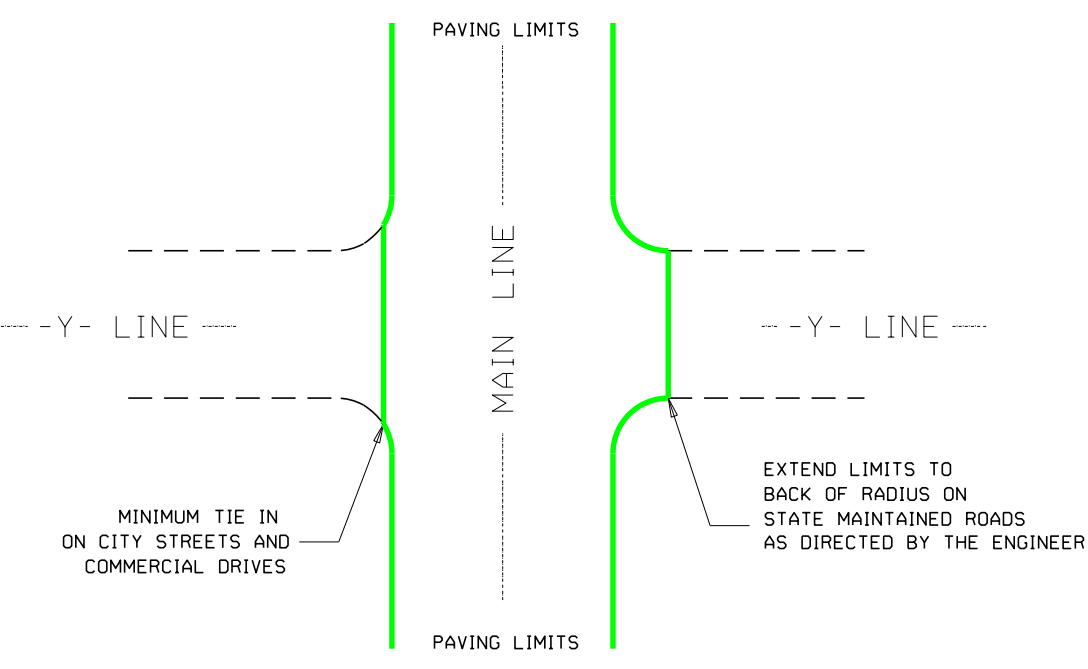


USE WITH MAPS 5 - 6

NTS



TYPICAL DETAIL OF PROJECT LIMITS AT
SIGNALIZED Y LINES



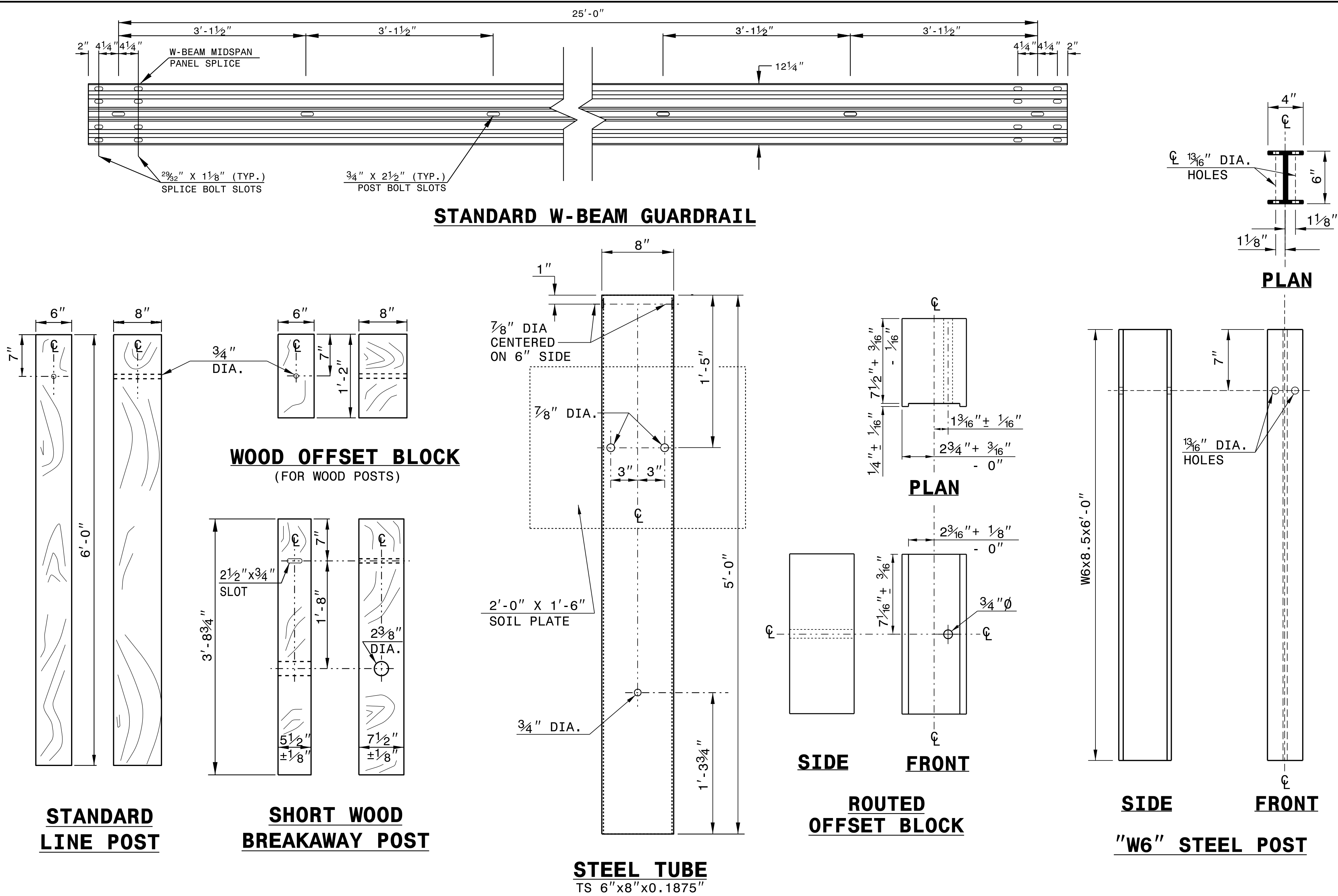
TYPICAL DETAIL OF PROJECT LIMITS AT
UNSIGNALIZED Y LINES

ADDITIONAL INTERSECTIONS (NON-TYPICAL)		
Extend paving limits to back of radius or loop on the following intersections:		
MAP#	STREET NAME	COMMENTS
	PAVE ALL STATE OWNED & TOWN STREETS	
	TO BACK OF RADIUS FOR THIS PROJECT	

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

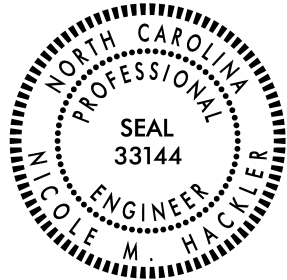
SHEET 6 OF 8
862D02

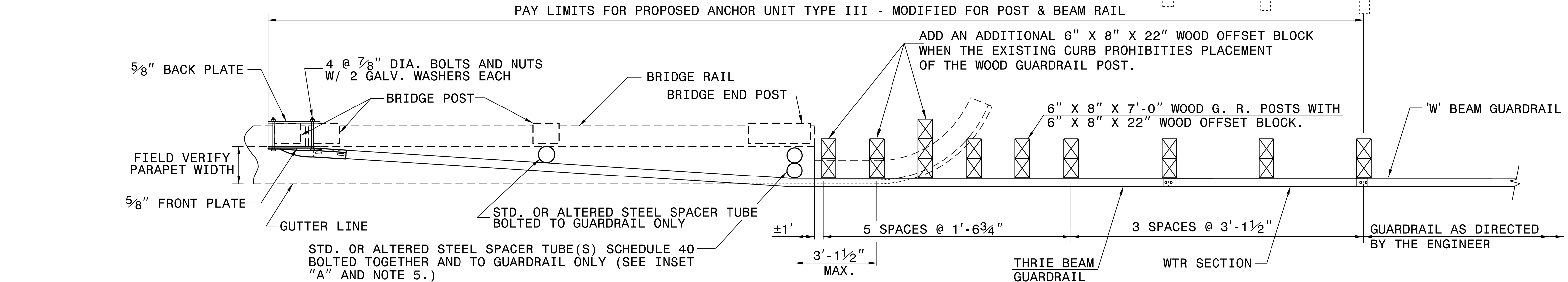
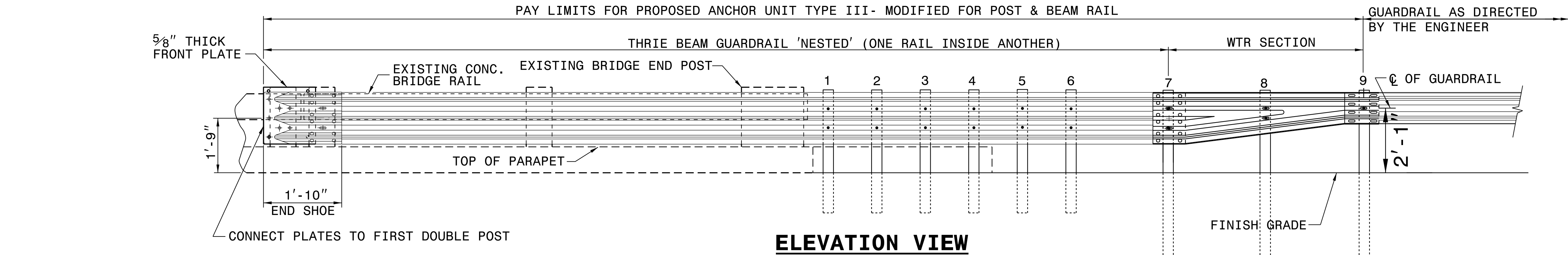


STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

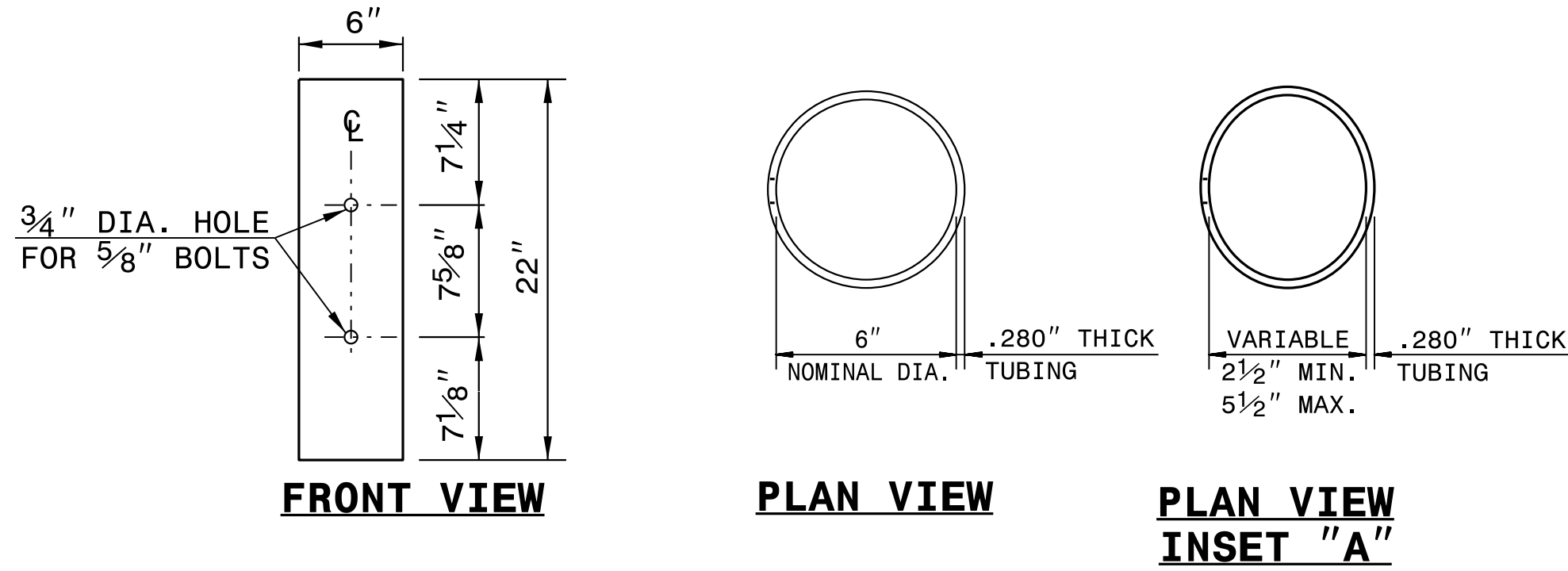
ROADWAY DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

SHEET 6 OF 8
862D02

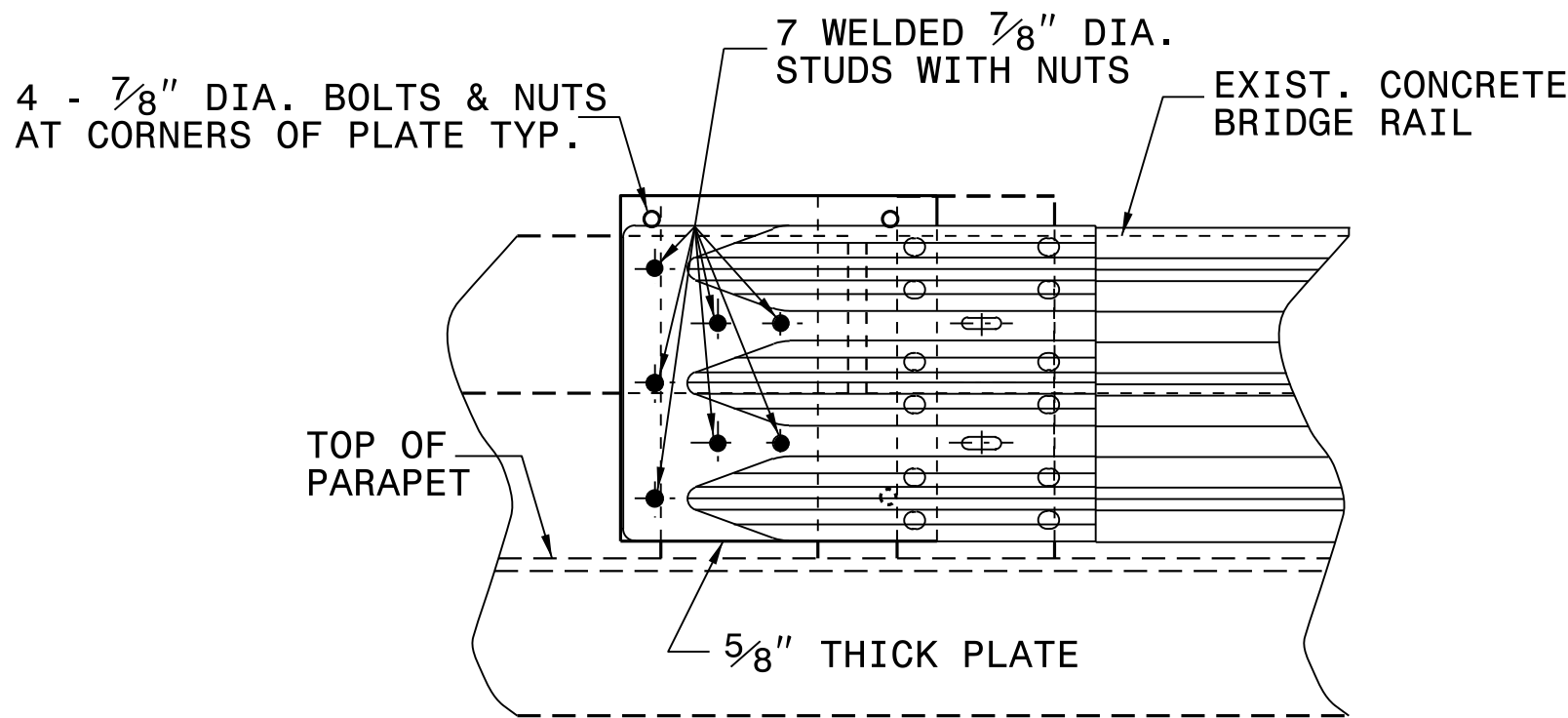




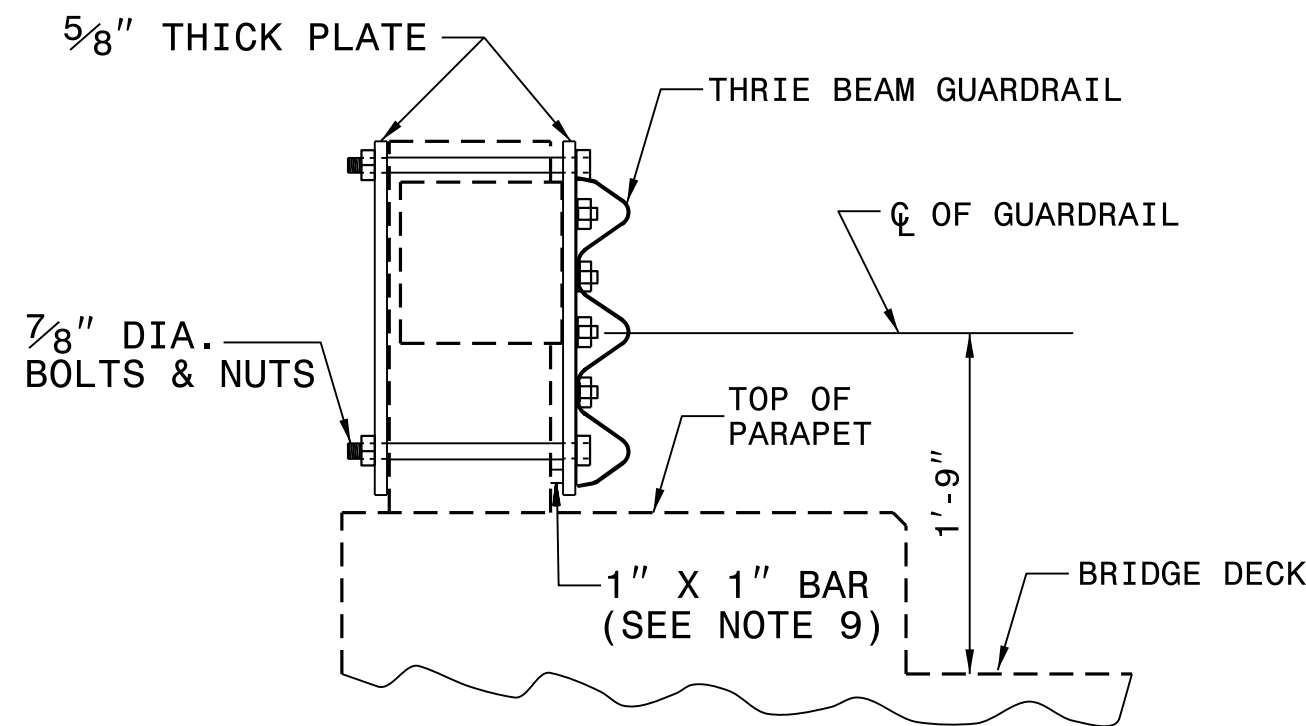
PLAN VIEW



STEEL SPACER TUBE

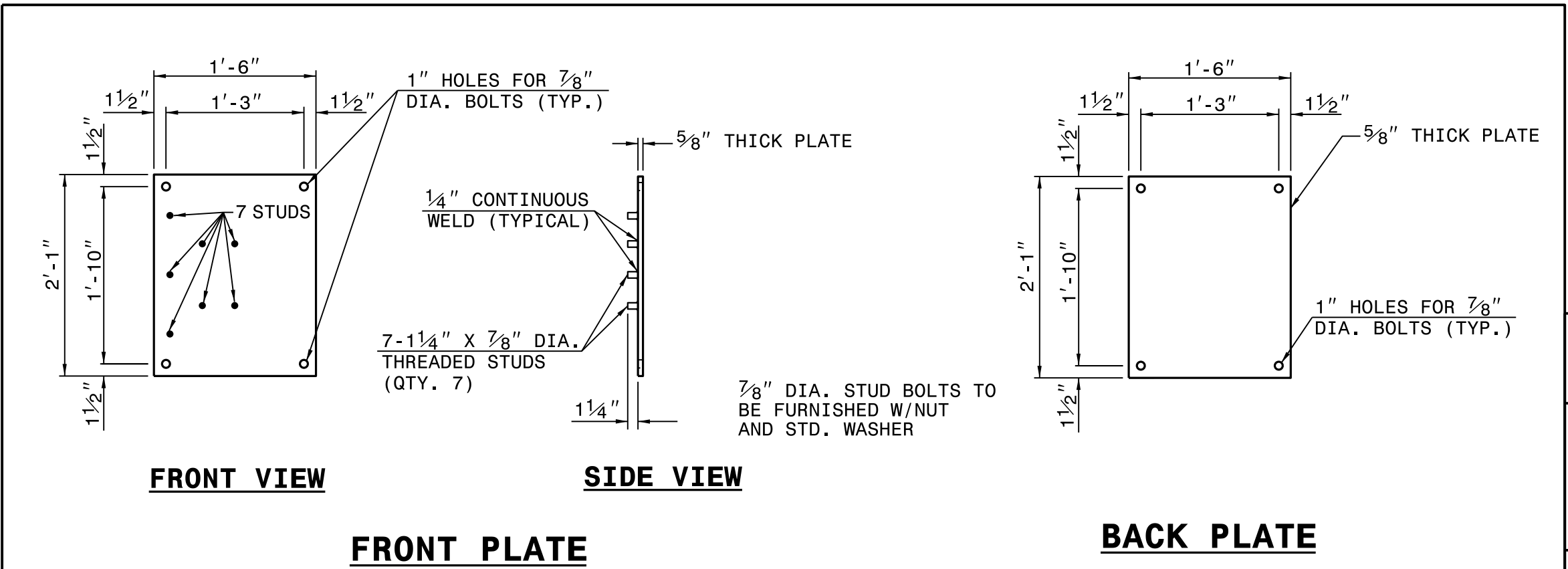


ELEVATION VIEW



SECTION VIEW

- GENERAL NOTES:
1. USE NUTS, BOLTS, AND WASHERS CONFORMING TO THE REQUIREMENTS OF A.S.T.M. A-307 AND GALVANIZED IN ACCORDANCE WITH SECTION 1076 OF STAND. SPECS.
 2. TAP NUTS FOR THE 7/8" DIA. STUDS AND BOLTS AFTER GALVANIZING SEE A.S.T.M. A-563.
 3. USE PLATES AND TUBES CONFORMING TO THE REQUIREMENTS OF A.S.T.M. A-36 AND GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH SECTION 1076 OF STAND. SPECS.
 4. ADDITIONAL FIELD HOLES MAY BE DRILLED IN STEEL RAIL AS DIRECTED BY THE ENGINEER.
 5. INSTALL FACE OF GUARDRAIL AS NEAR AS POSSIBLE TO PLUMB WITH THE PARAPET FACE AT BRIDGE END POST SPACER TUBE LOCATION BY USING STANDARD OR ALTERED SPACER TUBES OR A COMBINATION THEREOF OR AS DIRECTED BY THE ENGINEER. FOR VERY SMALL PARAPET WIDTHS, GUARDRAIL MAY BE INSTALLED AGAINST BRIDGE RAIL WITHOUT SPACER TUBES.
 6. DO NOT DRILL BRIDGE RAIL IN ORDER TO INSTALL GUARDRAIL ANCHOR UNIT.
 7. USE THIS DETAIL ONLY FOR BRIGES WITH POST AND BEAM TYPE RAIL.
 8. ATTACH 1" X 1" BAR AND THREADED STUDS TO PLATE WITH 1/4" WELDS ALL AROUND.
 9. 1" X 1" BAR MAY NOT BE NEEDED ON BRIDGE RAILS WHERE FACE OF RAIL DOES NOT PROJECT BEYOND FACE OF POST.
 10. PROVIDE SHOP DRAWINGS OF THE PLATES TO THE ENGINEER FOR APPROVAL BEFORE FABRICATING THE PLATES.
 11. LAP JOINTS IN THE DIRECTION OF TRAFFIC FLOW.
 12. SEE ROADWAY STANDARD DRAWING 862.03 SHEET 3 FOR ADDITIONAL INFORMATION ON THE TYPE III ANCHOR UNIT



FRONT PLATE

BACK PLATE

BRIDGE PLATES



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

**CONTRACT STANDARDS
AND DEVELOPMENT UNIT**
Office 919-707-6950 FAX 919-250-4119

**TYPE III MODIFIED
FOR POST AND BEAM RAIL**

ORIGINAL BY: E.E. WARD DATE: 01-03
MODIFIED BY: J.S. Howerton DATE: 01-18
CHECKED BY: DATE:
FILE SPEC.: s:details\stand\bpii original.dgn

[illegible]

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.01.11.10721, ETC.	9	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	MATERIAL TRANSFER VEHICLE REQUIRED	0000100000-N	0106000000-E	1220000000-E	1245000000-E	1297000000-E	1330000000-E	1519000000-E	1520000000-E	1523000000-E	1575000000-E
								MI	FT				LS	CY	TONS	SMI	SY	SY	TONS	TONS	TONS	TONS
2025CPT.01.11.10721	Perquimans	1	NC-37 N / WINFALL BLVD/MAIN ST	FROM US 17 BUS. (CREEK DR.) TO SR 1219 (MAIN ST.)	1	2	2WU	1.327	32	10.103	11.43	YES	1				21,235	898			1,995	118
2025CPT.01.11.10721	Perquimans	2	NC-37 N / MAIN ST/W MAIN ST	FROM WINFALL BLVD. TO END C&G	2	2	2WU	0.42	32	11.43	11.85	YES	*				7,885	424		24	771	48
2025CPT.01.11.10721	Perquimans	3	NC-37 N / W MAIN ST/BELVIDERE RD	FROM END C&G TO CHOWAN CO	1	2		8.231	24	11.85	20.081	YES	*				115,893	2,761			11,036	652
TOTAL FOR PROJ NO. 2025CPT.01.11.10721								9.978					*				145,013	4,083		24	13,802	818
2025CPT.01.11.20721	Perquimans	4	SR-1219 / BEMBURY RD/MAIN ST	FROM SR 1220 (WIGGINS RD) TO NC 37	2	2	2WU	0.16	29	0.8	0.96	NO	*				2,995	165			253	16
2025CPT.01.11.20721	Perquimans	5	SR-1219 / BEMBURY RD	FROM SR 1220 WIGGINS RD TO SR 1214 LAKE RD	3	2	2WU	0.8	20	0	0.8	NO	*	24	7	1.62			911			61
2025CPT.01.11.20721	Perquimans	6	SR-1234 / COTTONWOOD DR	FROM SR 1214 LAKE RD TO DEAD END	3	2	2WU	0.38	19	0	0.38	NO	*	6	7	0.76			471			34
TOTAL FOR PROJ NO. 2025CPT.01.11.20721								1.34					*	30	14	2.38	2,995	165	1,382		253	111
GRAND TOTAL								11.318					1	30	14	2.38	148,008	4,248	1,382	24	14,055	929

SUMMARY OF QUANTITIES

													1705000000-E	2830000000-N	2845000000-N	3030000000-E	3180000000-N	3287000000-N	6000000000-E	6071012000-E	6084000000-E	6117000000-N
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	MATERIAL TRANSFER VEHICLE REQUIRED	PATCHING EXISTING PAVEMENT (FULL DEPTH)	ADJUSTMENT OF MANHOLES	ADJUSTMENT OF METER OR VALVE BOXES	STEEL BEAM GUARDRAIL	GUARDRAIL ANCHOR UNITS, TYPE III MODIFIED	GUARDRAIL END UNITS, TYPE TL-3	TEMPORARY SILT FENCE	COIR FIBER WATTLE	SEEDING & MULCHING	RESPONSE FOR EROSION CONTROL
								MI	FT				TON	EA	EA	LF	EA	EACH	LF	LF	ACR	EA
2025CPT.01.11.10721	Perquimans	1	NC-37 N / WINFALL BLVD/MAIN ST	FROM US 17 BUS. (CREEK DR.) TO SR 1219 (MAIN ST.)	1	2	2WU	1.327	32	10.103	11.43	YES	10									
2025CPT.01.11.10721	Perquimans	2	NC-37 N / MAIN ST/W MAIN ST	FROM WINFALL BLVD. TO END C&G	2	2	2WU	0.42	32	11.43	11.85	YES	10	3	1							
2025CPT.01.11.10721	Perquimans	3	NC-37 N / W MAIN ST/BELVIDERE RD	FROM END C&G TO CHOWAN CO	1	2		8.231	24	11.85	20.081	YES	10			383	4	4				
TOTAL FOR PROJ NO. 2025CPT.01.11.10721							9.978						30	3	1	383	4	4				
2025CPT.01.11.20721	Perquimans	4	SR-1219 / BEMBURY RD/MAIN ST	FROM SR 1220 (WIGGINS RD) TO NC 37	2	2	2WU	0.16	29	0.8	0.96	NO	19									
2025CPT.01.11.20721	Perquimans	5	SR-1219 / BEMBURY RD	FROM SR 1220 WIGGINS RD TO SR 1214 LAKE RD	3	2	2WU	0.8	20	0	0.8	NO	35					50	25	0.8	1	
2025CPT.01.11.20721	Perquimans	6	SR-1234 / COTTONWOOD DR	FROM SR 1214 LAKE RD TO DEAD END	3	2	2WU	0.38	19	0	0.38	NO	63					30	20	0.4		
TOTAL FOR PROJ NO. 2025CPT.01.11.20721							1.34						117					80	45	1.2	1	
GRAND TOTAL							11.318						147	3	1	383	4	4	80	45	1.2	1

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.01.11.10721, ETC.	10	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4413000000-E WORK ZONE ADVANCE / GENERAL WARNING SIGNING	4457000000-N TEMPORARY TRAFFIC CONTROL	4685000000-E THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS) WHITE	4685000000-E THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS) YELLOW	4688000000-E THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS) WHITE	4688000000-E THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS) YELLOW	4704000000-E THERMOPLASTIC PAVEMENT MARKING LINES (16" 90 MILS)	4709000000-E THERMO PAVEMENT MARKING LINES (24" 90 MILS)	4720000000-E THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS), SCHOOL	4720000000-E THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS), RXR
								MI	FT			SF	LS	LF	LF	LF	LF	LF	LF	EA	EA
2025CPT.01.11.10721	Perquimans	1	NC-37 N / WINFALL BLVD/MAIN ST	FROM US 17 BUS. (CREEK DR.) TO SR 1219 (MAIN ST.)	1	2	2WU	1.327	32	10.103	11.43	80	1			14,013	12,355		100	12	
2025CPT.01.11.10721	Perquimans	2	NC-37 N / MAIN ST/W MAIN ST	FROM WINFALL BLVD. TO END C&G	2	2	2WU	0.42	32	11.43	11.85	80	*				4,435	44	50		2
2025CPT.01.11.10721	Perquimans	3	NC-37 N / W MAIN ST/BELVIDERE RD	FROM END C&G TO CHOWAN CO	1	2		8.231	24	11.85	20.081	342	*			86,919	54,325		88	12	
TOTAL FOR PROJ NO. 2025CPT.01.11.10721								9.978				502	*			100,932	71,115	44	238	24	2
																172,047				26	
2025CPT.01.11.20721	Perquimans	4	SR-1219 / BEMBURY RD/MAIN ST	FROM SR 1220 (WIGGINS RD) TO NC 37	2	2	2WU	0.16	29	0.8	0.96	80	*				1,690	44	28		2
2025CPT.01.11.20721	Perquimans	5	SR-1219 / BEMBURY RD	FROM SR1220 WIGGINS RD TO SR 1221 LAKE RD	3	2	2WU	0.8	20	0	0.8	48	*	8,554	5,346						
2025CPT.01.11.20721	Perquimans	6	SR-1234 / COTTONWOOD DR	FROM SR 1214 LAKE RD TO DEAD END	3	2	2WU	0.38	19	0	0.38	48	*								
TOTAL FOR PROJ NO. 2025CPT.01.11.20721								1.34				176	*	8,554	5,346		1,690	44	28		2
														13,900		1,690				2	
GRAND TOTAL								11.318				678	1	8,554	5,346	100,932	72,805	88	266	24	4
														13,900		173,737				28	

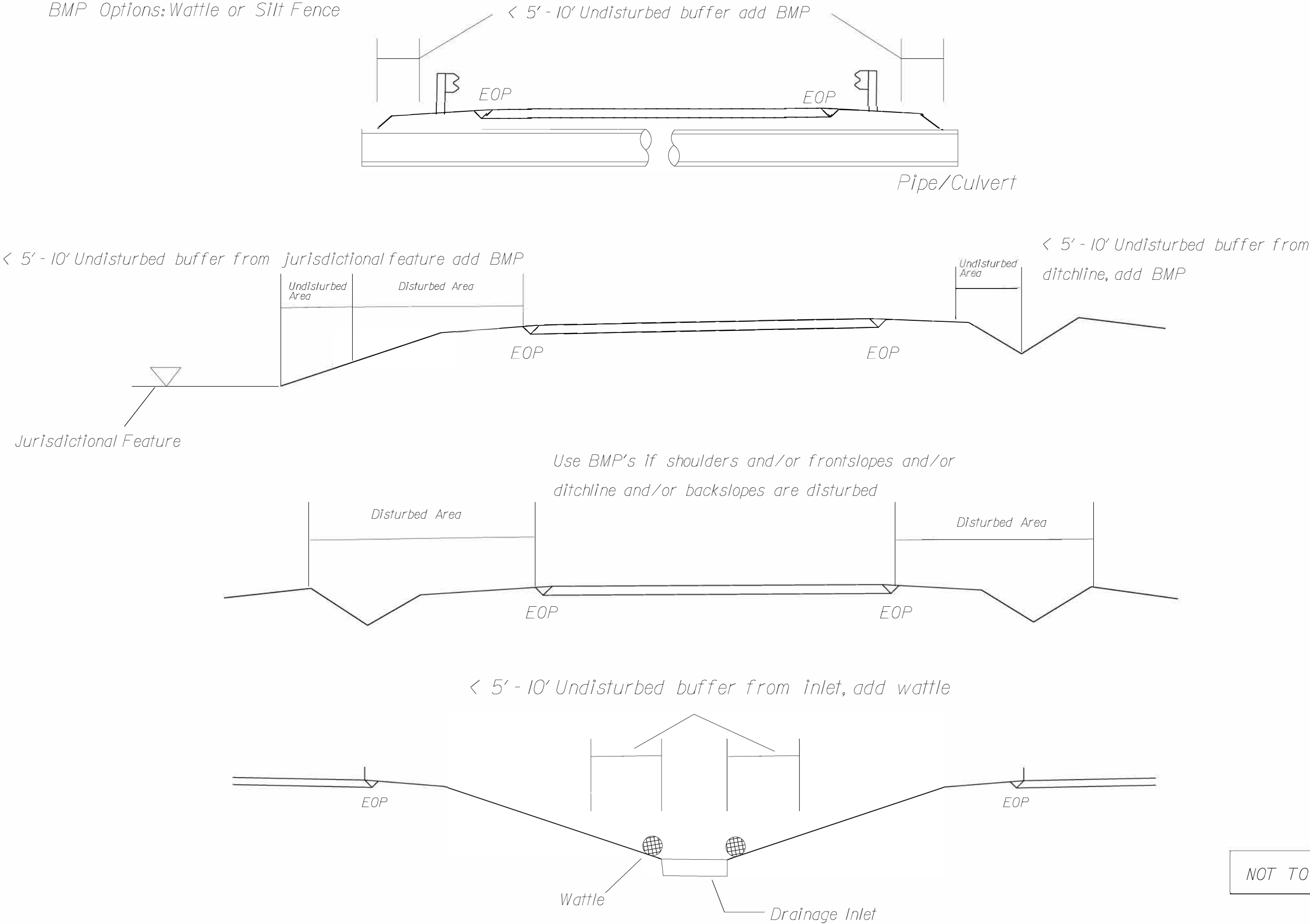
THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4725000000-E THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS), LT ARROW	4810000000-E PAINT PAVEMENT MARKING LINES (4") WHITE	4835000000-E PAINT PAVEMENT MARKING LINES (4") YELLOW	4835000000-E PAINT PAVEMENT MARKING LINES (24")	4840000000-N PAINT PAVEMENT MARKING CHARACTER (MSG SCHOOL)	4840000000-N PAINT PAVEMENT MARKING CHARACTER (MSG RXR)	4845000000-N PAINT PAVEMENT MARKING SYMBOL (LT ARROW)	4895000000-N GENERIC PAVEMENT MARKING ITEM (POLYCARBONATE H- SHAPED MARKERS)
								MI	FT			EA	LF	LF	LF	EA	EA	EA	EA
2025CPT.01.11.10721	Perquimans	1	NC-37 N / WINFALL BLVD/MAIN ST	FROM US 17 BUS. (CREEK DR.) TO SR 1219 (MAIN ST.)	1	2	2WU	1.327	32	10.103	11.43	2	14,013	12,355	100	12		2	88
2025CPT.01.11.10721	Perquimans	2	NC-37 N / MAIN ST/W MAIN ST	FROM WINFALL BLVD. TO END C&G	2	2	2WU	0.42	32	11.43	11.85			4,435	50		2		28
2025CPT.01.11.10721	Perquimans	3	NC-37 N / W MAIN ST/BELVIDERE RD	FROM END C&G TO CHOWAN CO	1	2		8.231	24	11.85	20.081		86,919	54,325	88	12			543
TOTAL FOR PROJ NO. 2025CPT.01.11.10721								9.978				2	100,932	71,115	238	24	2	2	659
													172,047			26			
2025CPT.01.11.20721	Perquimans	4	SR-1219 / BEMBURY RD/MAIN ST	FROM SR 1220 (WIGGINS RD) TO NC 37	2	2	2WU	0.16	29	0.8	0.96			1,690	28		2		
2025CPT.01.11.20721	Perquimans	5	SR-1219 / BEMBURY RD	FROM SR1220 WIGGINS RD TO SR 1221 LAKE RD	3	2	2WU	0.8	20	0	0.8		8,554	5,346					
2025CPT.01.11.20721	Perquimans	6	SR-1234 / COTTONWOOD DR	FROM SR 1214 LAKE RD TO DEAD END	3	2	2WU	0.38	19	0	0.38								
TOTAL FOR PROJ NO. 2025CPT.01.11.20721								1.34					8,554	7,036	28		2		
													15,590			2			
GRAND TOTAL								11.318				2	109,486	78,151	266	24	4	2	659
													187,637			28			

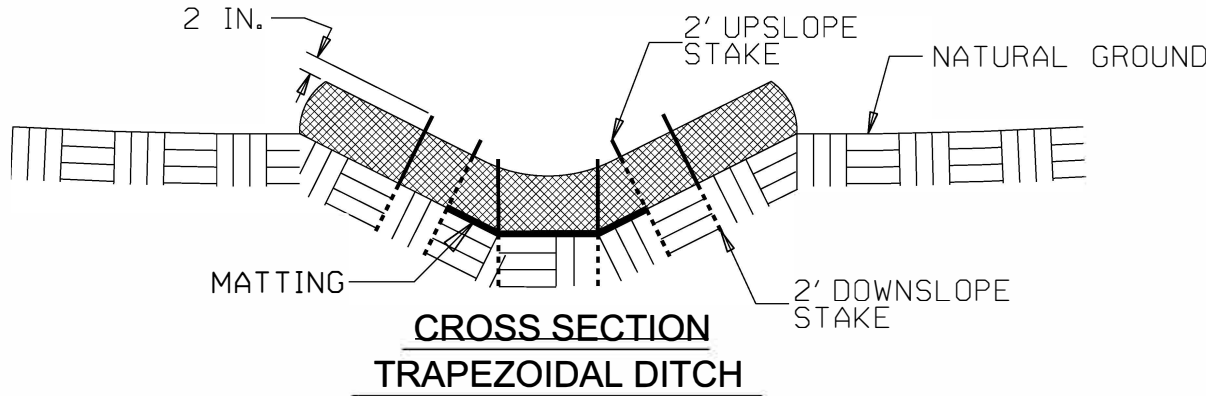
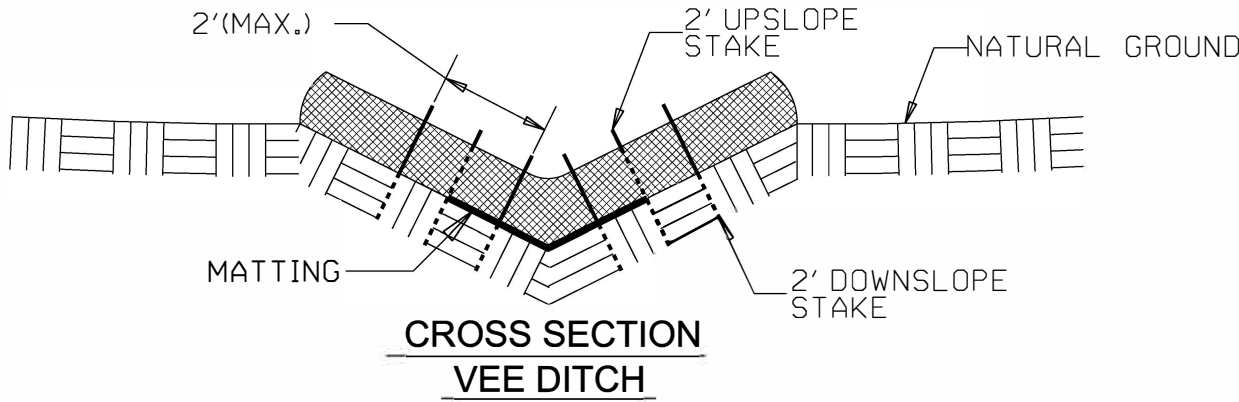
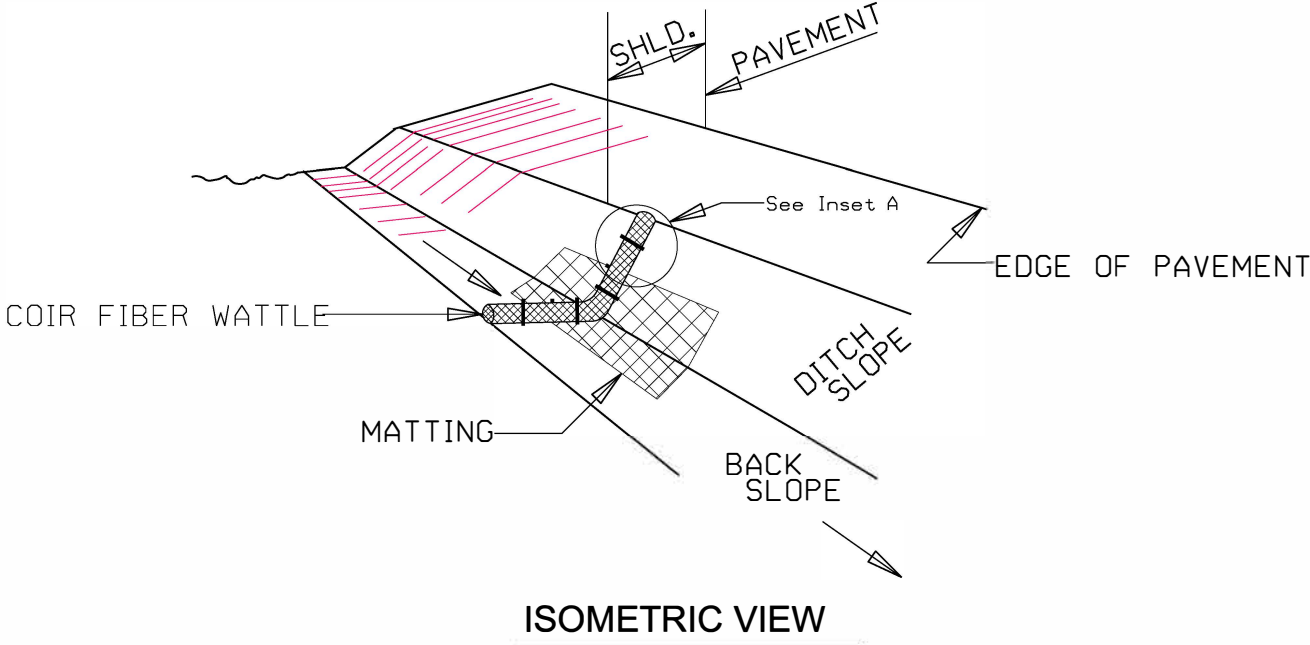
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

EROSION CONTROL DETAIL



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.

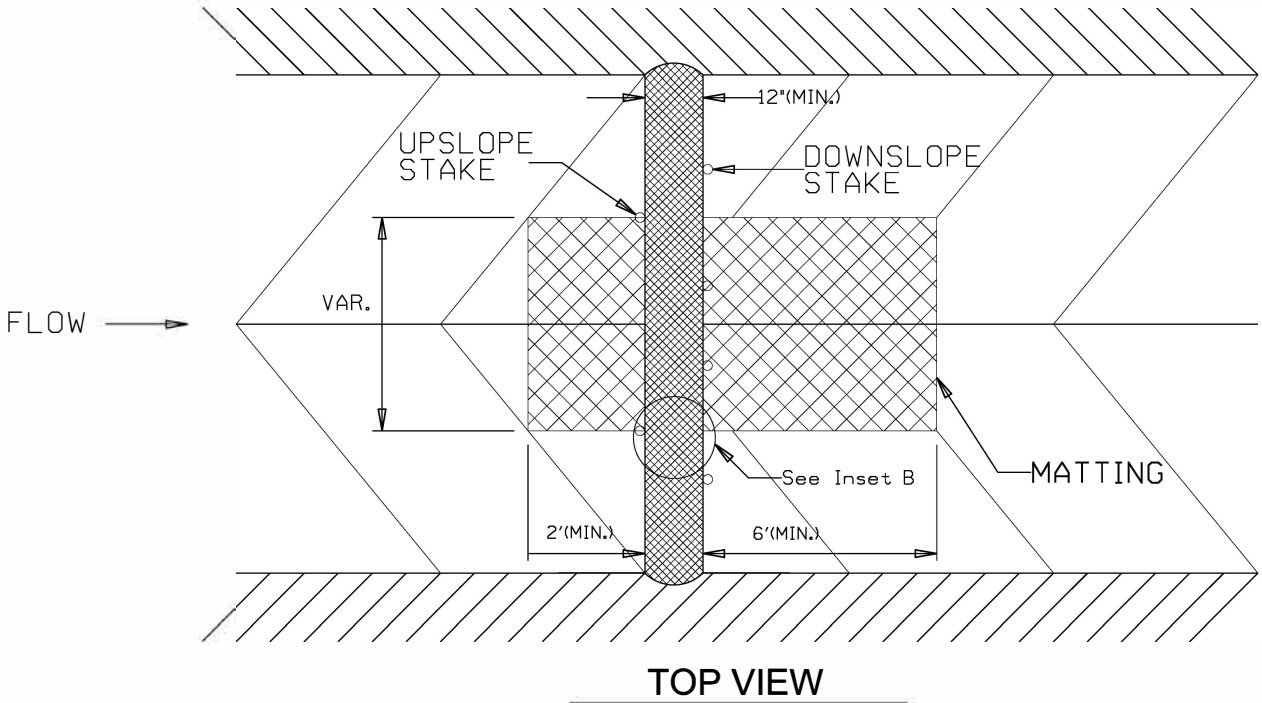
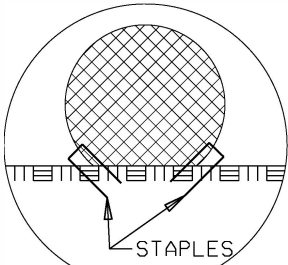
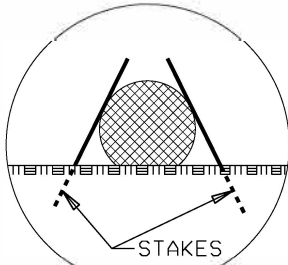
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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

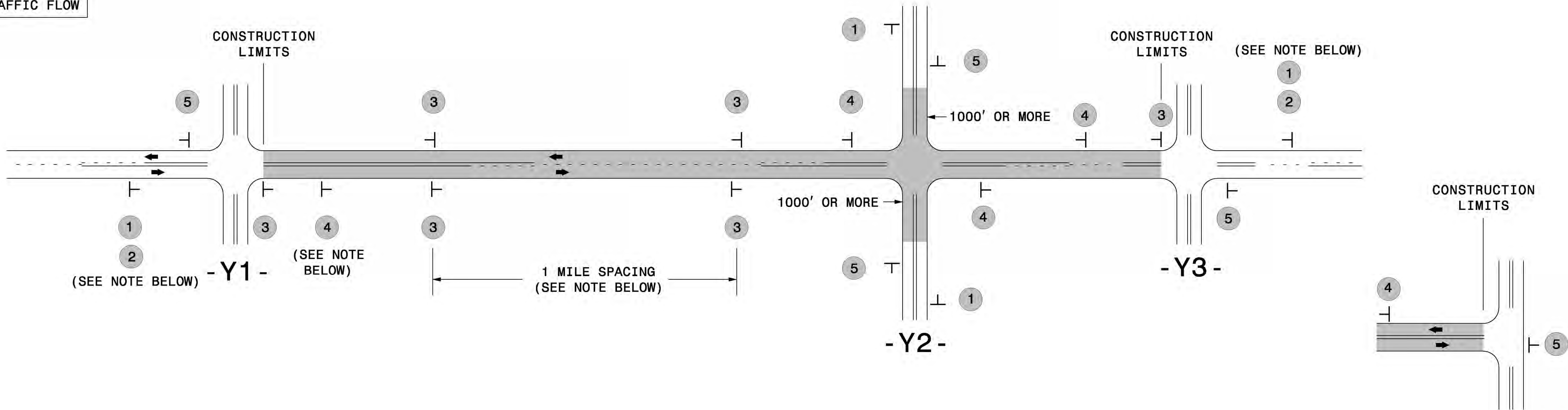
SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS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


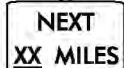


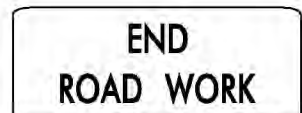
DIRECTION OF TRAFFIC FLOW




TEE INTERSECTION


MAINLINE (-L-) SIGNING

-Y- LINE SIGNING


SIGNING NOTES AND PLACEMENT PER DIRECTION	<div>1</div> <div> W20-1 48" X 48"</div> <div>2</div> <div> W7-3aP 24" X 18"</div> <div>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</div> <div>#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)</div>	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>3</div> <div> SP 13107 48" X 48"</div> <div>- 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.</div>	
	<div>4</div> <div> SP 13106 48" X 48"</div> <div>- 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.</div>	
	<div>5</div> <div> G20-2 A 48" X 24"</div> <div>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.</div>	
	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.	
LESS 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.	


W20-1
48" X 48"

PLACED 500' IN ADVANCE
OF FLAGGER.


W20-7 A
48" X 48"

PLACED 250' IN ADVANCE
OF FLAGGER.



AD



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