

WBS NO: 2026CPT.01.09.20271, ETC.

CONTRACT: DA00660

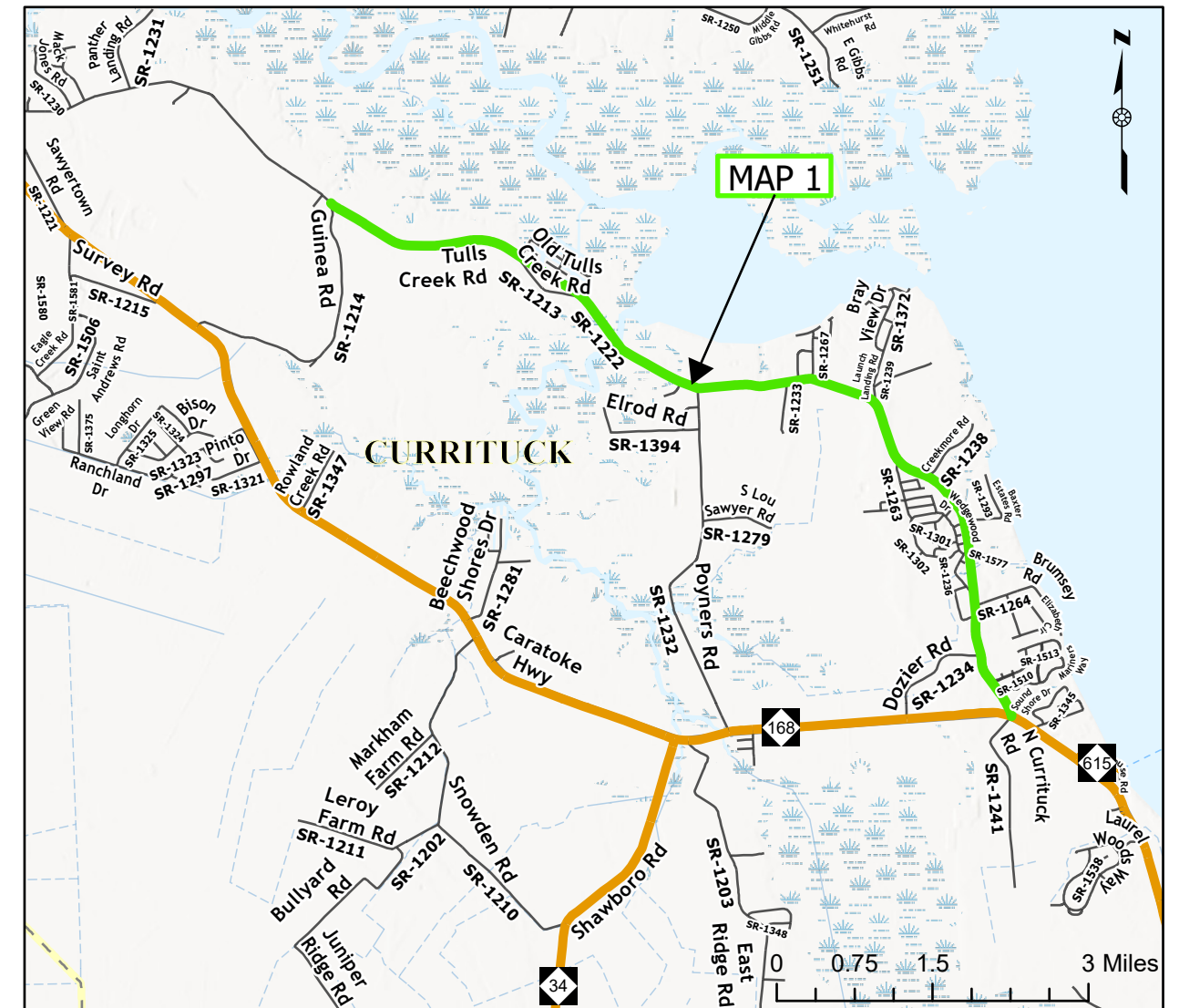
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

CURRITUCK

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2026CPT.01.09.20271	1
STATE PROJECT NUMBER		DESCRIPTION
2026CPT.01.09.20271		P.E., CONST.

TYPE OF WORK: MILLING, RESURFACING, & SHOULDER RECONSTRUCTION

MAP	ROUTE	FROM	TO
01	SR 1222 (Tulls Creek Rd.)	NC 168	SR 1214 (Guinea Rd.)



PROJECT LENGTH

MAP	MILES
01	7.533

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

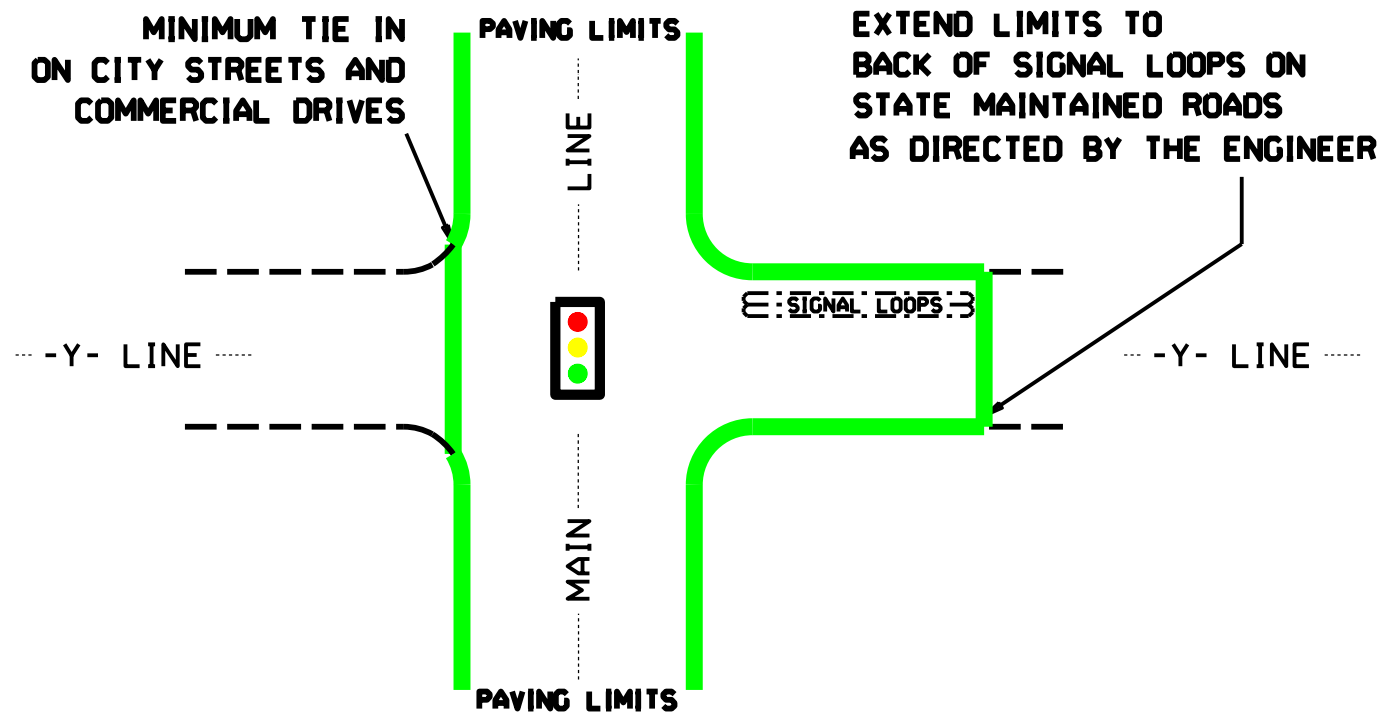
B. N. BRASWELL, PE
DIV. PROJ. DEVELOPMENT ENGINEER

M. S. WINSLOW
DIVISION CONTRACT ENGINEER

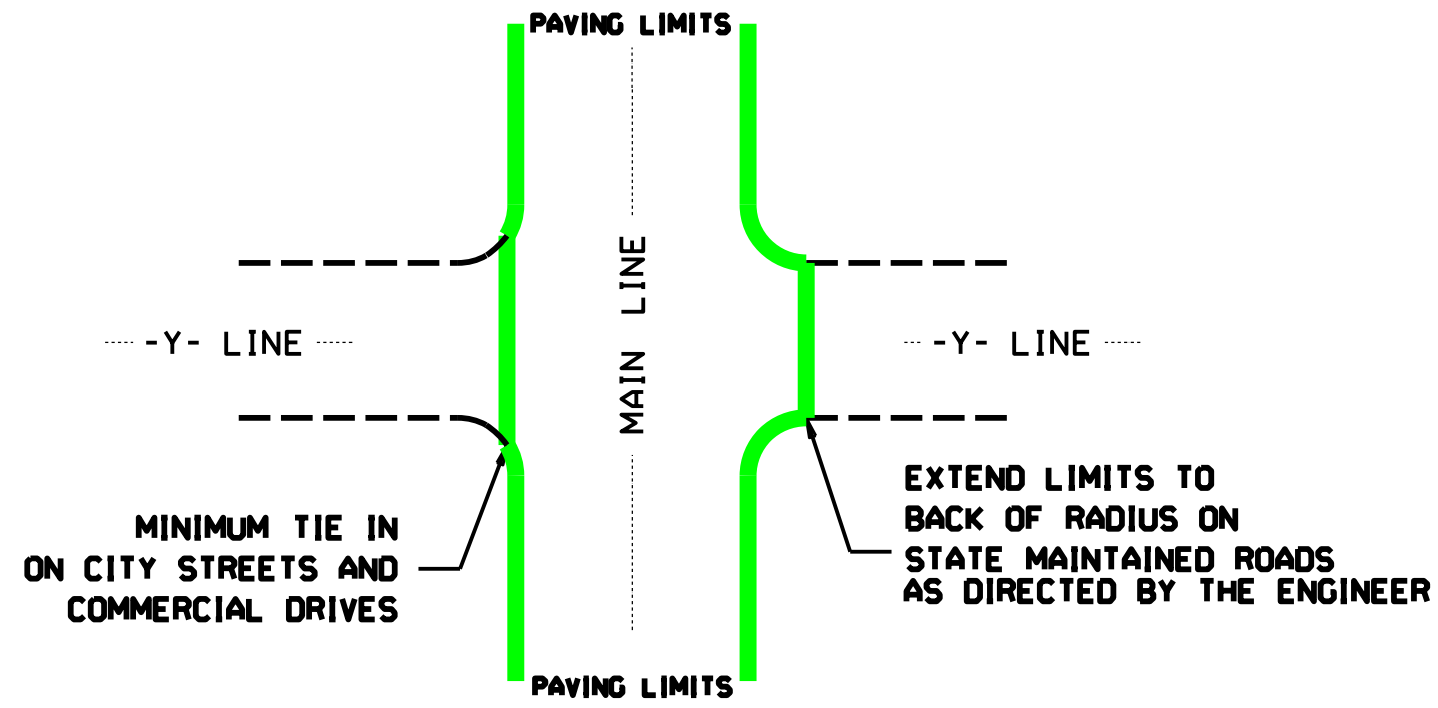
D. J. CLODGO, PE, PMP
DIVISION PROJECT TEAM LEAD

D. H. STALLINGS
DIVISION DESIGN ENGINEER





TYPICAL DETAIL OF PROJECT LIMITS AT SIGNALIZED Y LINES



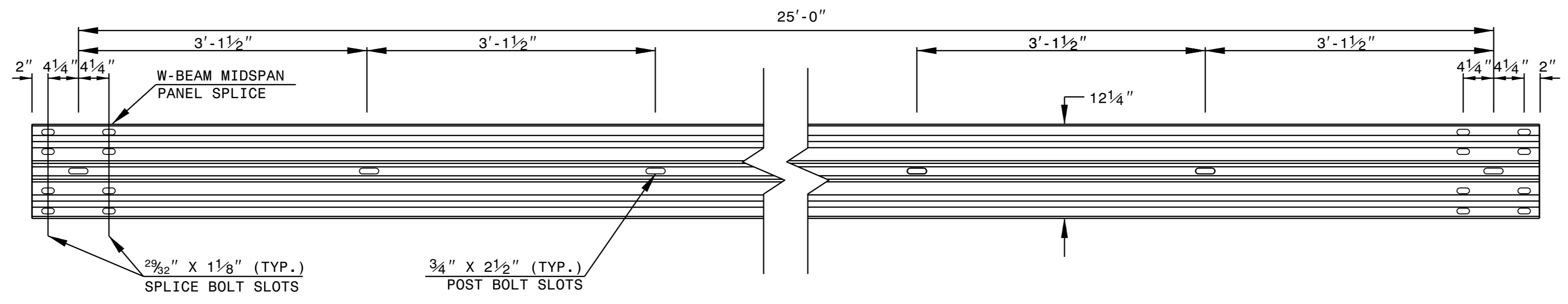
TYPICAL DETAIL OF PROJECT LIMITS AT UNSIGNALIZED Y LINES

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	

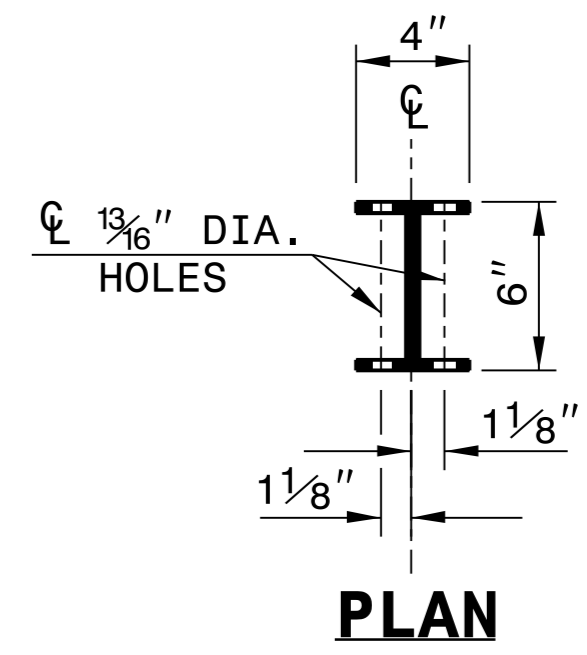
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

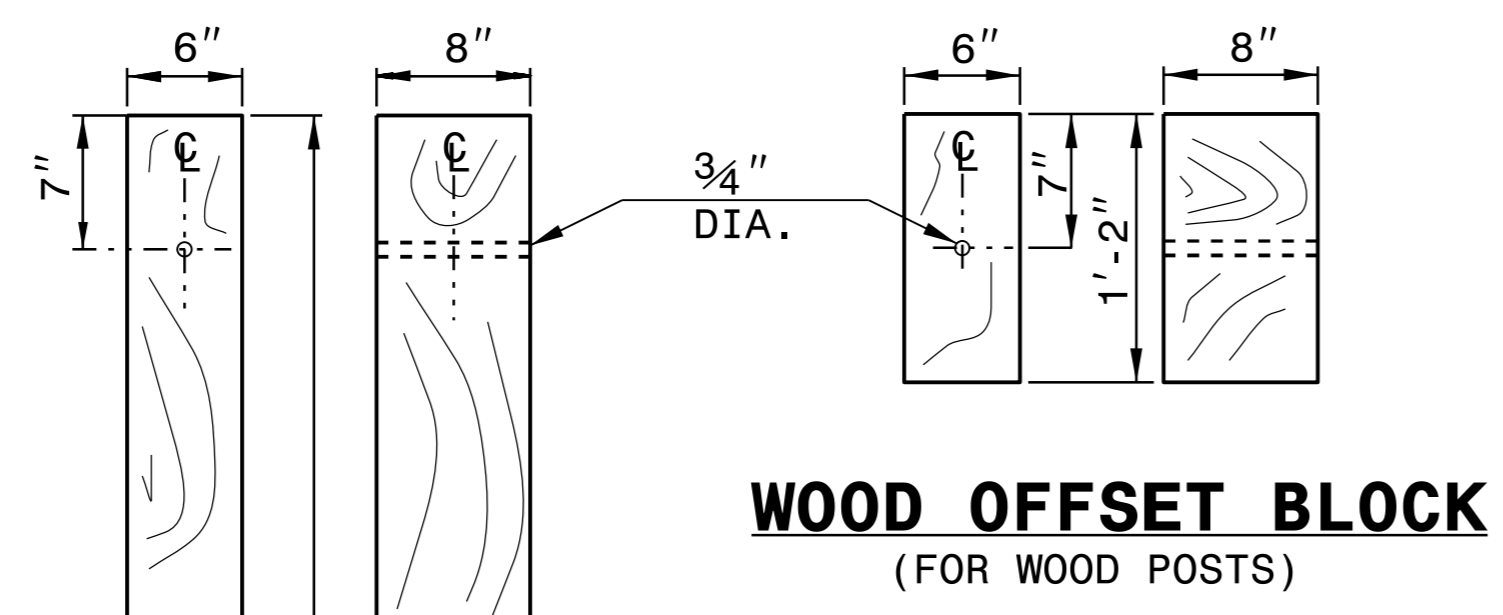
SHEET 6 OF 8
862D02



STANDARD W-BEAM GUARDRAIL



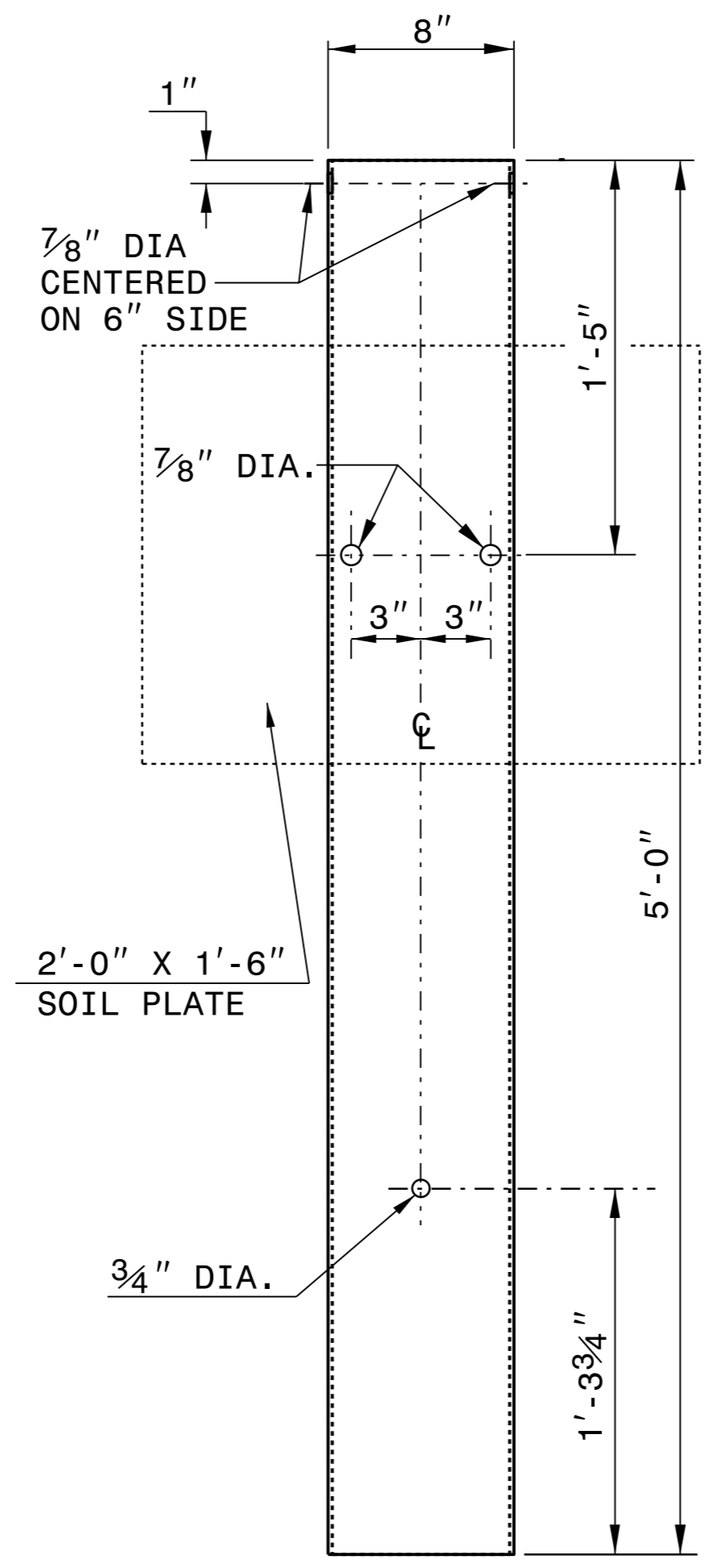
PLAN



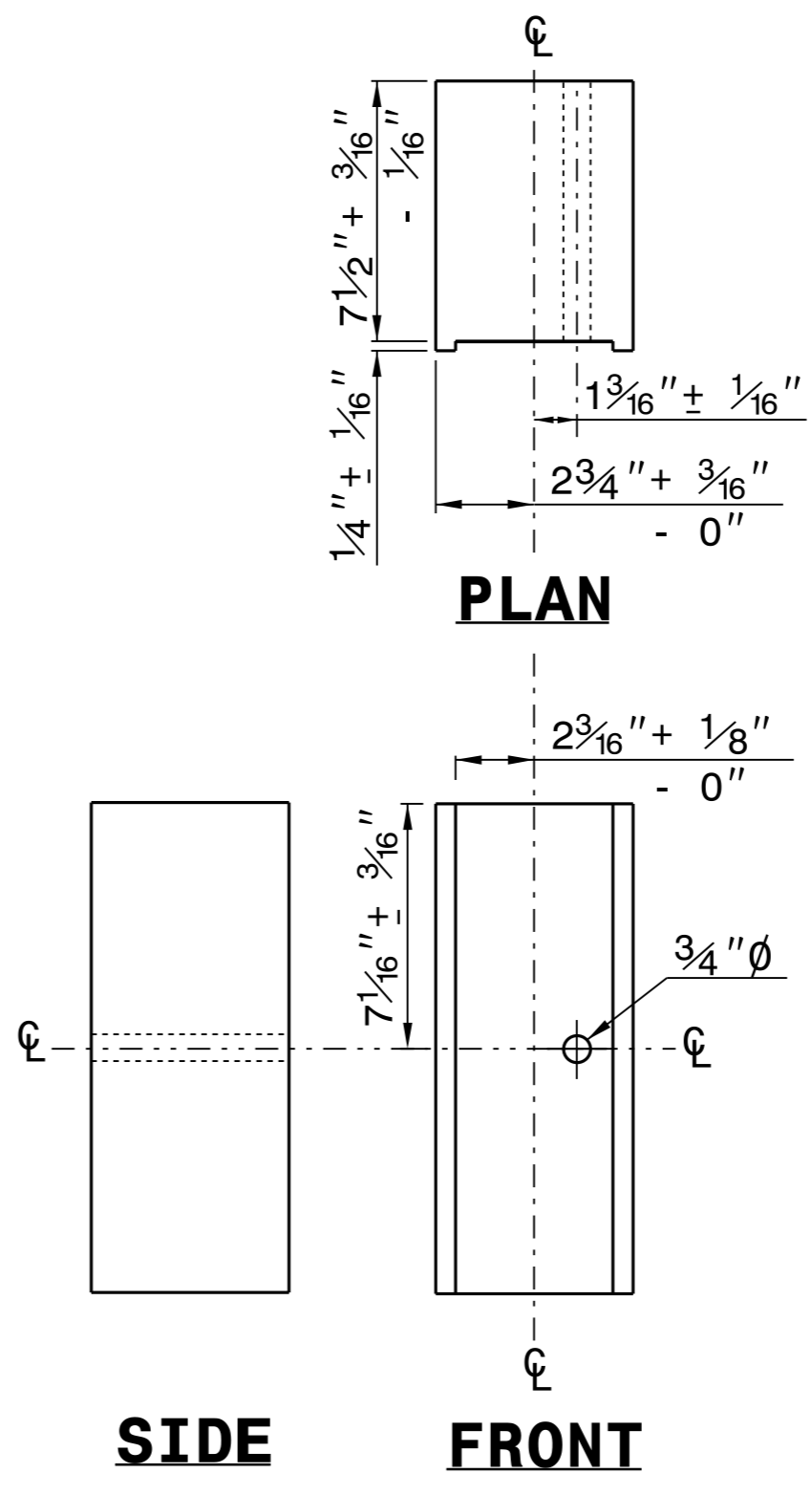
**WOOD OFFSET BLOCK
(FOR WOOD POSTS)**

**STANDARD
LINE POST**

**SHORT WOOD
BREAKAWAY POST**



**STEEL TUBE
TS 6"x8"x0.1875"**

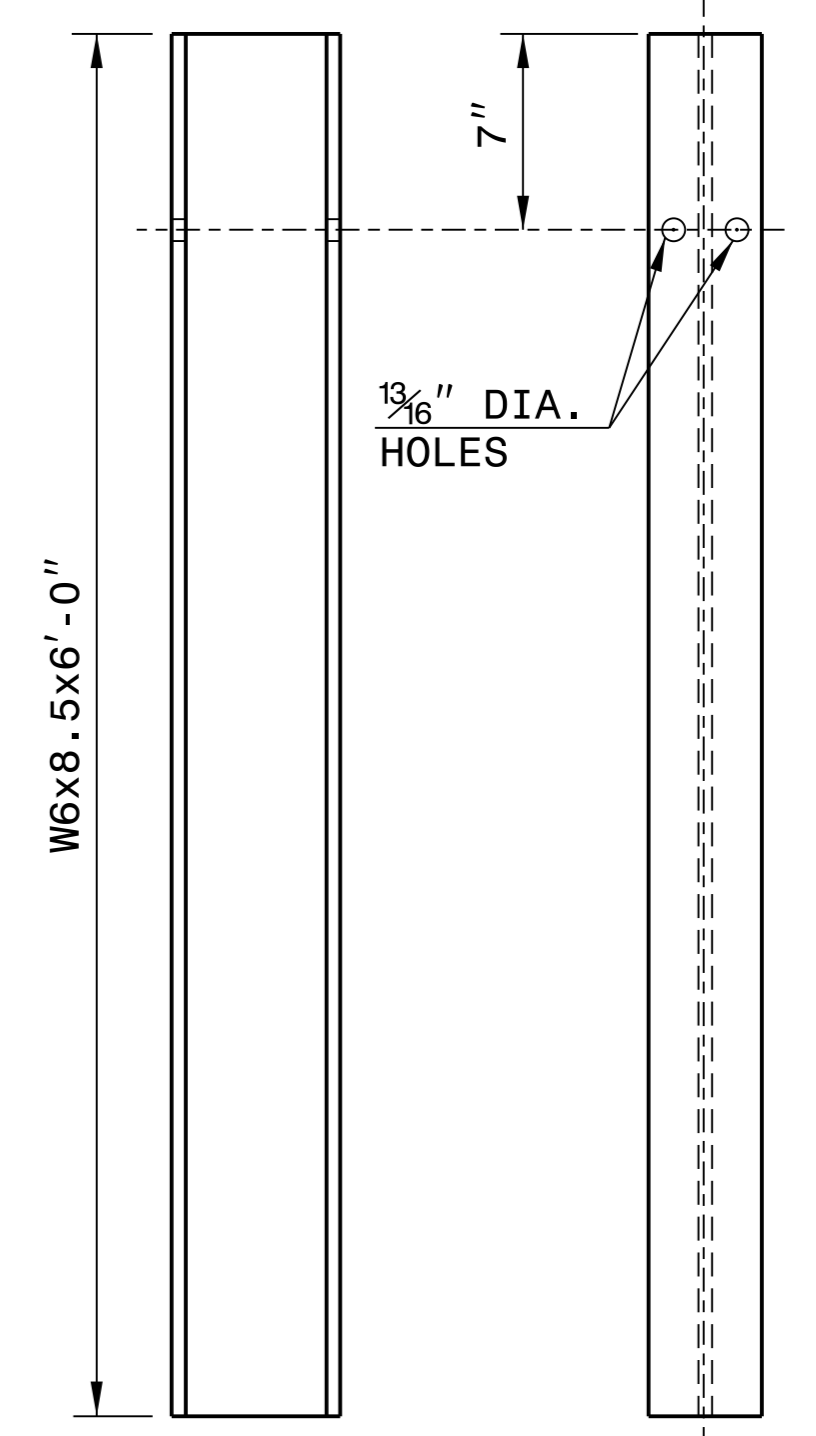


PLAN

SIDE

FRONT

**ROUTED
OFFSET BLOCK**



SIDE

FRONT

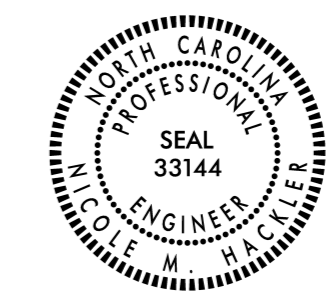
"W6" STEEL POST

SYSTEM PARTS

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

ROADWAY DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

SHEET 6 OF 8
862D02



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

SEE TITLE BLOCK

ORIGINAL BY: J.HOWERTON DATE: 3-7-2018
MODIFIED BY: DATE: _____
CHECKED BY: DATE: _____
FILE SPEC.: _____

PROJECT NO.	SHEET NO.	TOTAL NO.
2026CPT.01.09.20271	6	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEG N MP	END MP	0000100000-N	0106000000-E	1220000000-E	1245000000-E	1260000000-E	1297000000-E	1330000000-E	1519000000-E	1520000000-E	1575000000-E	1705000000-E	2845000000-N				
												MOBILIZATION	BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	MILLING ASPHALT PAVEMENT, 1 1/2"DEPTH	INCIDENTAL MILLING	ASPHALT CONC SURFACE COURSE, S9.5B	ASPHALT CONC LEVELING COURSE, S9.5B	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT (FULL DEPTH)	ADJUSTMENT OF METER OR VALVE BOXES				
												LS	CY	TONS	SMI	TON	SY	SY	TONS	TONS	TONS	TON	EA				
2026CPT.01.09.20271	Currituck	1	SR-1222 / TULLS CREEK RD	FROM NC 168 TO SR 1214 (GUINEA RD.)		2	2WU	7.533	25	0.000	7.533	1	1,356	200	15.07	100	123,573	9,062	11,490	50	761	235	5				
TOTAL FOR PROJ NO. 2026CPT.01.09.20271												7.533				*	1,356	200	15.07	100	123,573	9,062	11,490	50	761	235	5
GRAND TOTAL												7.533				1	1,356	200	15.07	100	123,573	9,062	11,490	50	761	235	5

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEG N MP	END MP	3001000000-N	3030000000-E	3180000000-N	3287000000-N	3360000000-E	3435000000-N	6000000000-E	6012000000-E	6042000000-E	6084000000-E	6117000000-N
												IMPACT ATTENUATOR UNITS, TYPE TL-3	STEEL BEAM GR	GUARDRAIL ANCHOR UNITS, TYPE B-77	GUARDRAIL END UNITS, TYPE TL-3	REM EXT GRDRL	GENERIC GUARDRAIL ITEM REMOVE IMPACT ATTENUATOR UNITS, TYPE 350	TEMPORARY SILT FENCE	SEDIMENT CONTROL STONE	1/4" HARDWARE CLOTH	SEEDING & MULCHING	RESPONSE FOR EROSION CONTROL
												EA	LF	EA	EACH	LF	EA	LF	TON	LF	ACR	EA
2026CPT.01.09.20271	Currituck	1	SR-1222 / TULLS CREEK RD	FROM NC 168 TO SR 1214 (GUINEA RD.)		2	2WU	7.533	25	0.000	7.533	1	462.50	4.00	3.00	581.25	1.00	1,200	3	50	7.3	1
TOTAL FOR PROJ NO. 2026CPT.01.09.20271												7.533		4.00	3.00	581.25	1.00	1,200	3	50	7.3	1
GRAND TOTAL												7.533		4.00	3.00	581.25	1.00	1,200	3	50	7.3	1

PROJECT NO.	SHEET NO.	TOTAL NO.
2026CPT.01.09.20271	7	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	0000100000-N	4413000000-E	4457000000-N	4700000000-E	4709000000-E	4725000000-E	
												MOBILIZATION	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL (SP)	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	THERMO PAVEMENT MARKING LINES (24" 90 MILS) (SP)	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS), LT ARROW	
								MI	FT			LS	SF	LS	LF	LF	EA	
2026CPT.01.09.20271	Currituck	1	SR-1222 / TULLS CREEK RD	FROM NC 168 TO SR 1214 (GUINEA RD.)		2	2WU	7.533	25	0	7.533	1	246	1	1,080	76	76	
TOTAL FOR PROJ NO. 2026CPT.01.09.20271								7.533				*	246	*	1,080	76	76	
GRAND TOTAL								7.533				1	246	1	1,080	76	76	

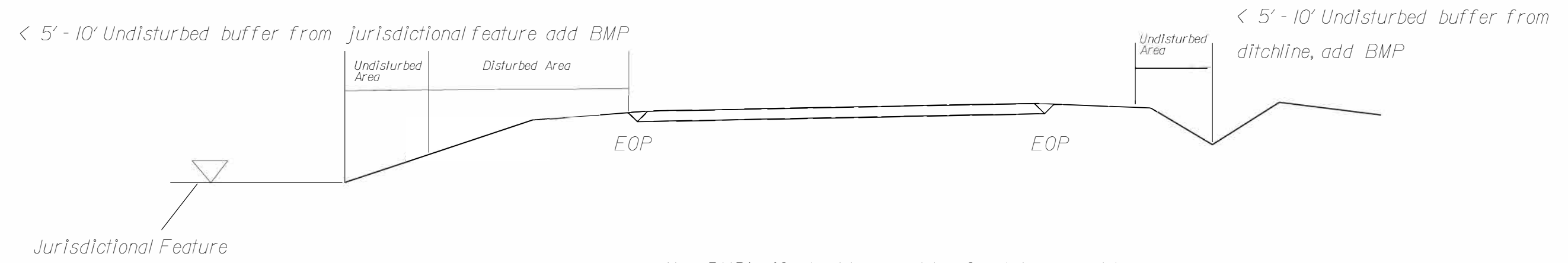
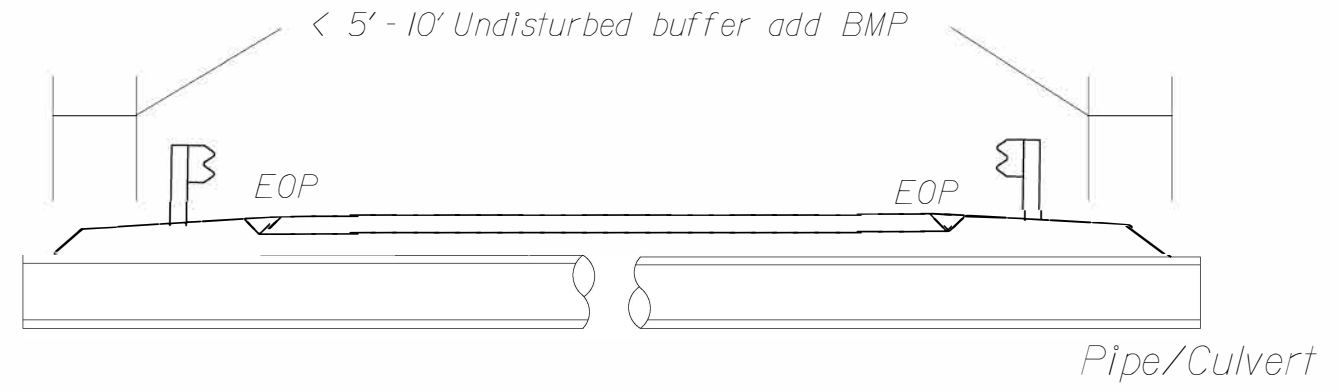
THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4810000000-E	4825000000-E	4835000000-E	4845000000-N	4890000000-E	4900000000-N		
												PAINT PAVEMENT MARKING LINES (4") WHITE	PAINT PAVEMENT MARKING LINES (4") YELLOW	PAINT PAVEMENT MARKING LINES (12")	PAINT PAVEMENT MARKING LINES (24")	PAINT PAVEMENT MARKING SYMBOL (LT ARROW)	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES, (6", 65 MILS) WHITE	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES, (6", 65 MILS) YELLOW	PERMANENT RAISED PAVEMENT MARKERS
								MI	FT			LF	LF	LF	LF	EA	LF	LF	EA
2026CPT.01.09.20271	Currituck	1	SR-1222 / TULLS CREEK RD	FROM NC 168 TO SR 1214 (GUINEA RD.)		2	2WU	7.533	25	0	7.533	79,548	85,299	1,080	76	76	79,548	85,299	707
TOTAL FOR PROJ NO. 2026CPT.01.09.20271								7.533				79,548	85,299	1,080	76	76	79,548	85,299	707
GRAND TOTAL								7.533				79,548	85,299	1,080	76	76	79,548	85,299	707

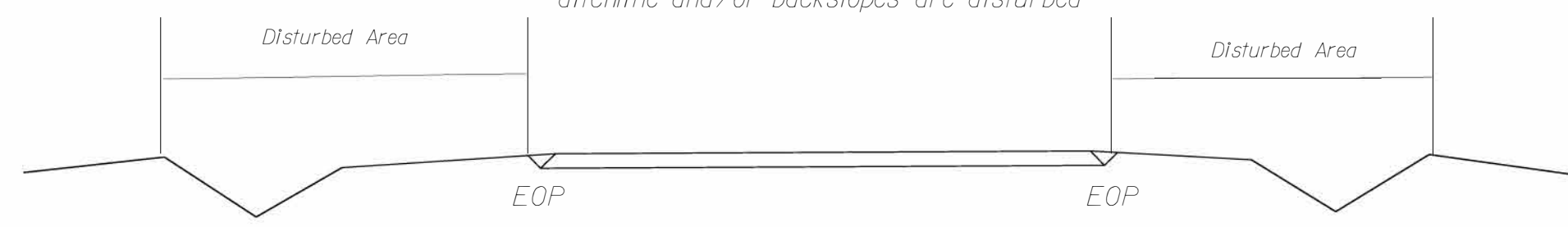
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

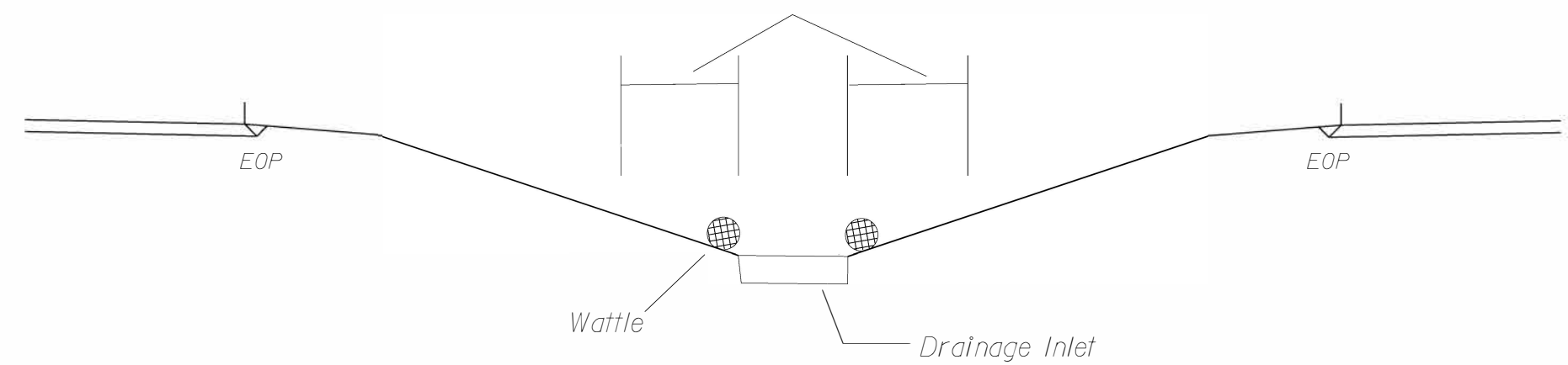
EROSION CONTROL DETAIL



Use BMP's if shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed



< 5' - 10' Undisturbed buffer from inlet, add wattle

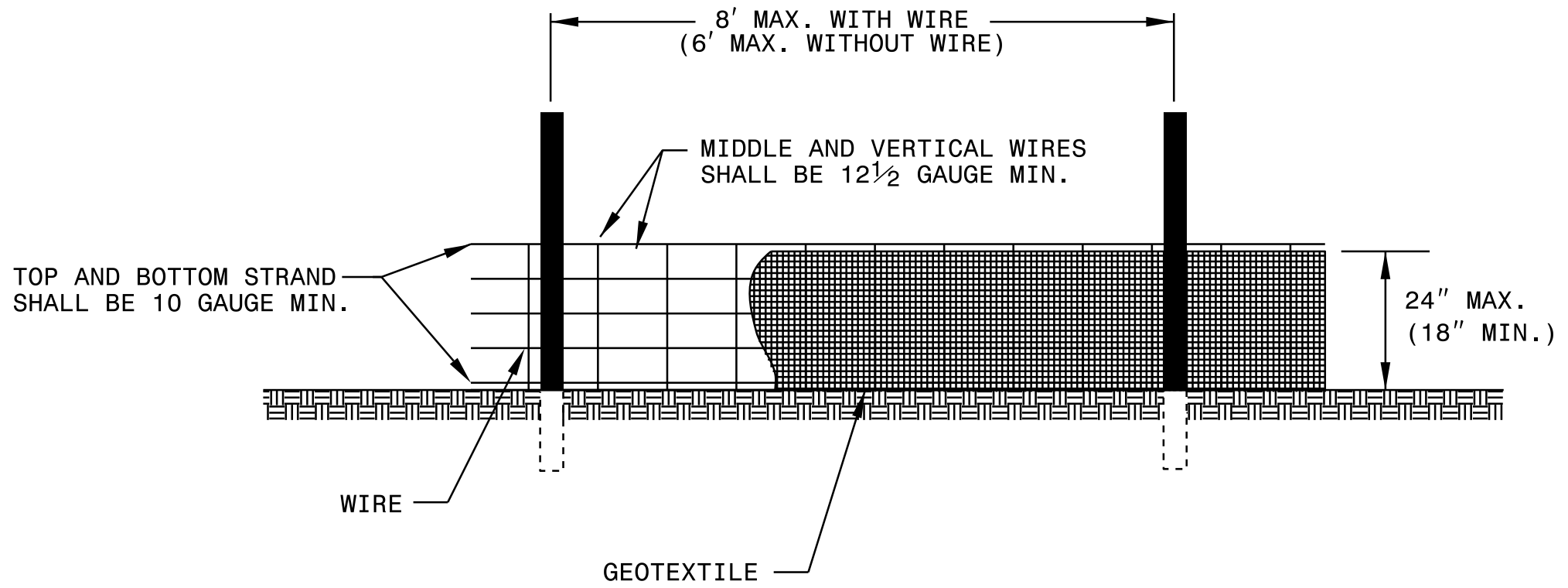


NOT TO SCALE

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.



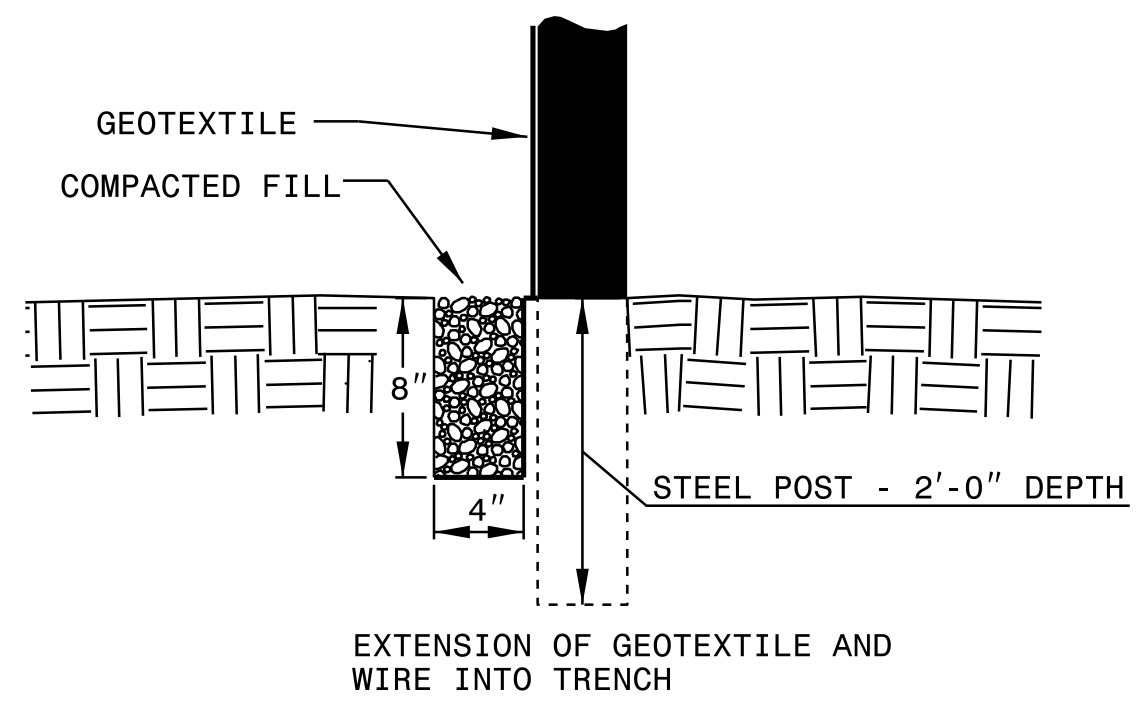
NOTES

USE GEOTEXTILE A MINIMUM OF 36" IN WIDTH AND FASTEN ADEQUATELY TO THE POSTS AND WIRE AS DIRECTED.

USE WIRE A MINIMUM OF 32" IN WIDTH AND WITH A MINIMUM OF 5 LINE WIRES WITH 12" VERTICAL SPACING.

PROVIDE 5'-0" STEEL POST OF THE SELF-FASTENER ANGLE STEEL TYPE.

FOR MECHANICAL SLICING METHOD INSTALLATION, GEOTEXTILE SHALL BE A MAXIMUM OF 18" ABOVE GROUND SURFACE.



NOTES

USE NO. 5 OR NO. 57 STONE FOR SEDIMENT CONTROL STONE.

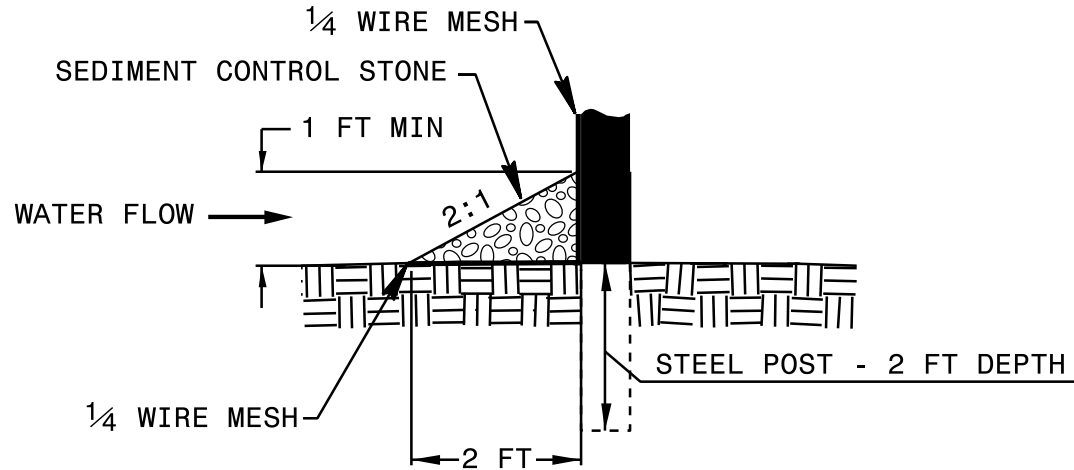
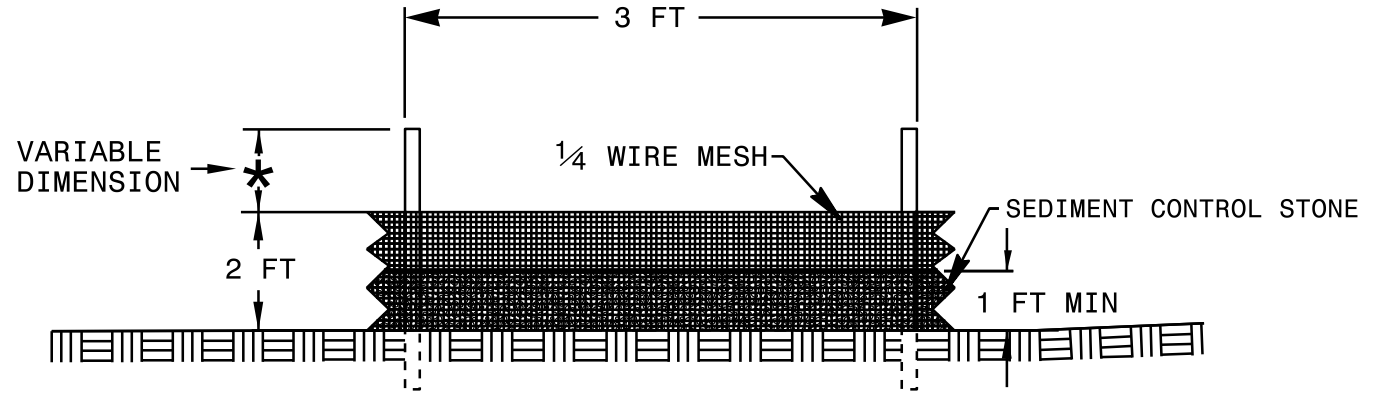
USE HARDWARE CLOTH 24 GAUGE WIRE MESH WITH 1/4 INCH MESH OPENINGS.

INSTALL 5 FT. SELF FASTENER ANGLE STEEL POST 2 FT. DEEP MINIMUM.

ATTACH HARDWARE CLOTH TO POSTS WITH WIRE STAPLE OR OTHER ACCEPTABLE METHODS.

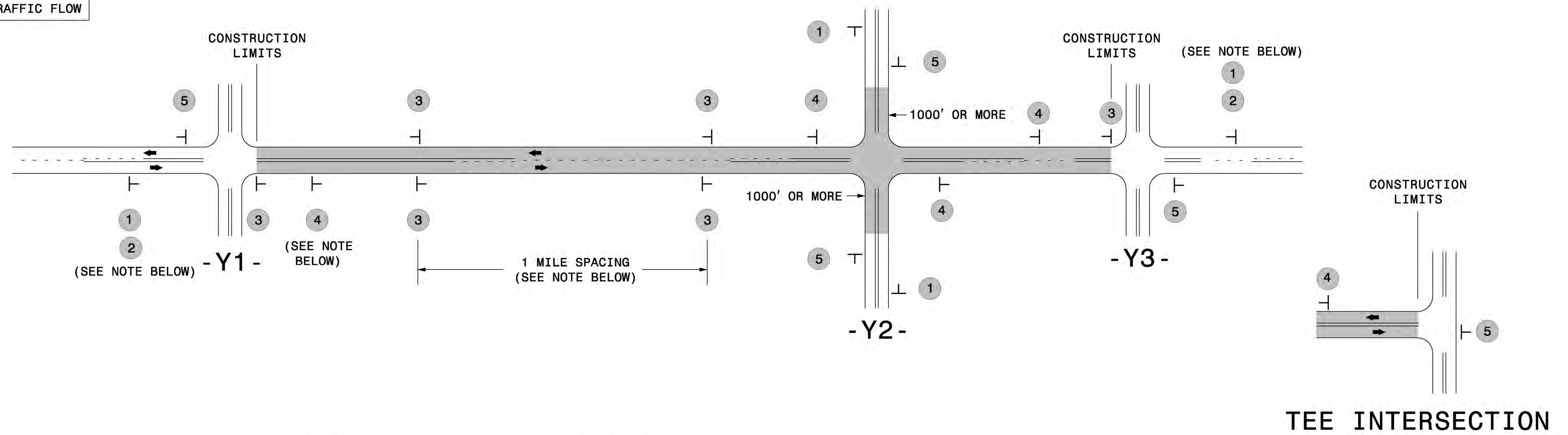
SPACE POSTS A MAXIMUM OF 3 FT.

FOR INSTALLATION BETWEEN SECTIONS OF SILT FENCE, EXTEND SEDIMENT CONTROL STONE A MINIMUM OF 12" ON EACH SIDE OF SPECIAL SEDIMENT CONTROL FENCE SECTION.



SIGNING FOR RESURFACING PROJECTS

LEGEND
 ┆ STATIONARY SIGN
 ← DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

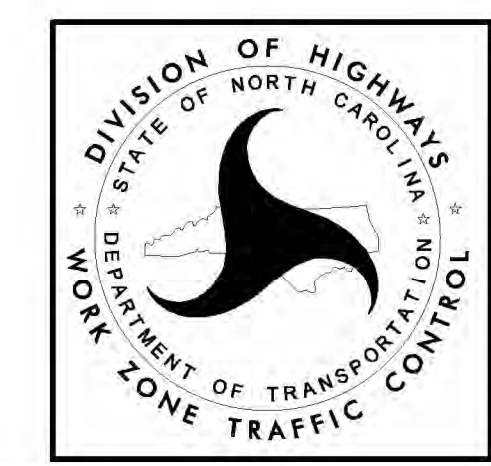
-Y- LINE SIGNING

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.	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> LESS THAN 1000' OF RESURFACING ALONG -Y- LINE SUBDIVISION ROADS DEAD END ROADS <p>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.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> W20-1 48" X 48" PLACED 500' IN ADVANCE OF FLAGGER. </div> <div style="text-align: center;"> W20-7 A 48" X 48" PLACED 250' IN ADVANCE OF FLAGGER. </div> </div>
	2		#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		<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> 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

5/15/2017 S:\T\M\WZTC\Resurfacing\2L2W & AST Resurfacing Details\Resurfacing_AdvWarn_2Ln.dgn User:keads