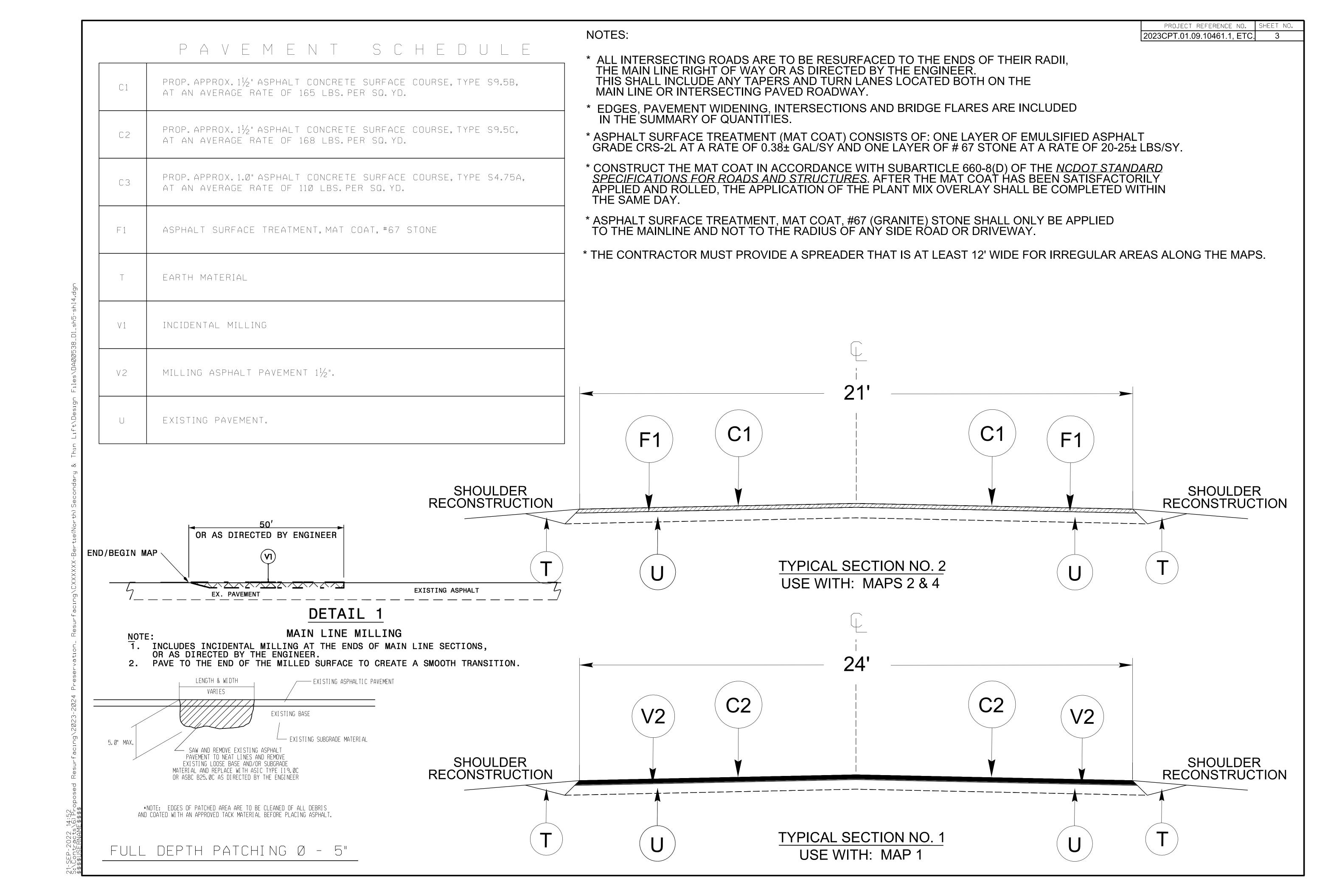
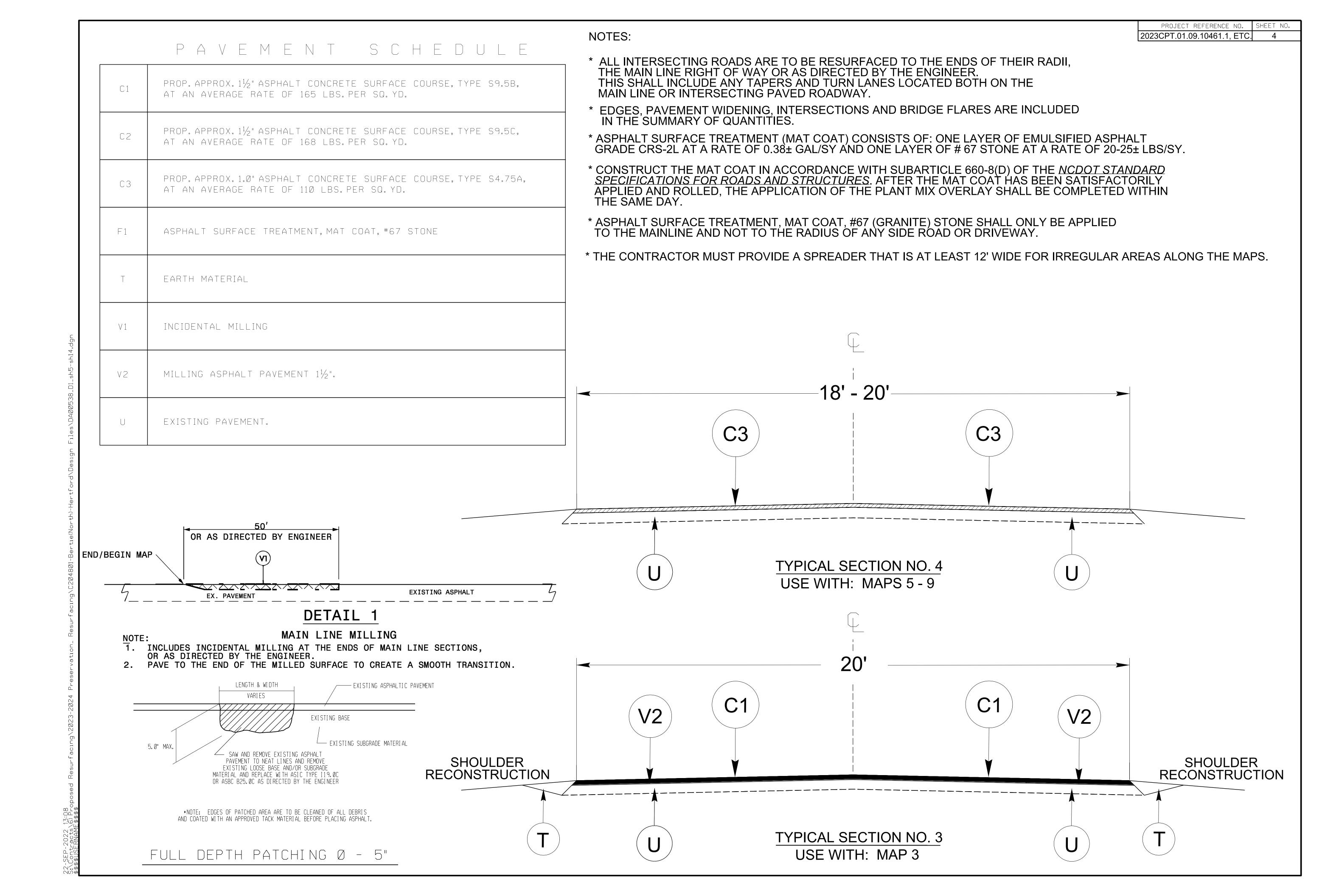
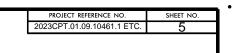
STATE OF NORTH CAROLINA 2023CPT.01.09.10461.1, ETC OF HIGHWAYS DIVISION PE, CONST 2023CPT.01.09.10461. HERTFORD COUNTY LOCATION: MAP 1 - NC 461 FROM NC 561 TO US 13 1046 TYPE OF WORK: MILLING, RESURFACING AND SHOULDER RECONSTRUCTION 60 <u>1174</u> California MAP 1 $Potec_{asi}$ <u>1214</u> <u>1108</u> ر<u>1137</u> 1.63 2023CPT <u> 1133</u>. Ridge<u>cr</u>oft 1137 <u>1137</u> <u>1137</u> Pleasant <u>1133</u> Creek 2.38 1139 Blueruare 142 Branch Union WBS <u>1142</u> 1.6928 <u> 1140</u> (461) Fraziers 20480 Crossroads 1.34 MAP 1 GRAPHIC SCALES MAP LENGTH Prepared in the Office of: DIVISION OF HIGHWAYS 113 Airport Dr., Edenton NC, 27932 2018 STANDARD SPECIFICATIONS NTS W. B. HOBBS, PE
DIVISION PROJECT TEAM LEAD MAP 1 = 8.15 MILES S. P. FENWICK, PLS
DIVISION DESIGN ENGINEER C. E. SLACHTA

DIVISION CONTRACT ENGINEER



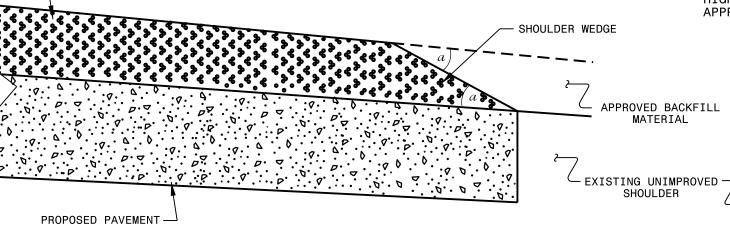






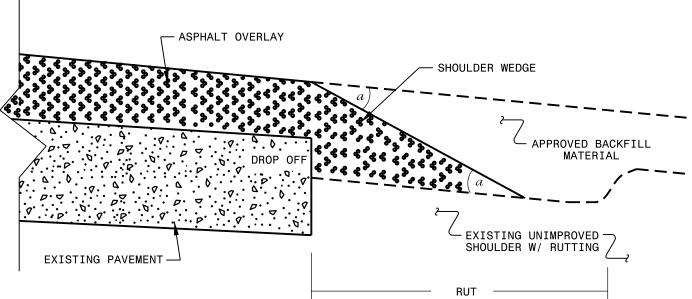
1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.

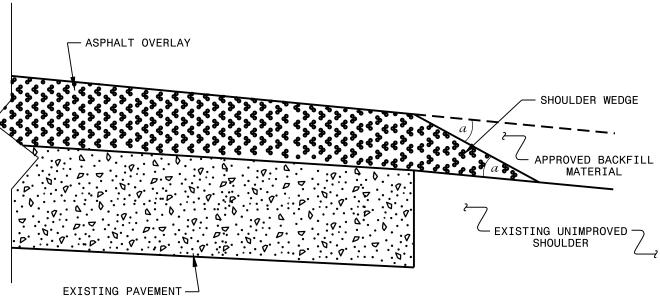
2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THÉ ENGINEER.



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 ANGLE = 30°

CONTRACT STANDARDS
AND DEVELOPMENT UNIT

SHOULDER WEDGE **DETAILS**

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

	DE 1743		
BY:_	T.SPELL	DATE:_	7-19-1
BY:		DATE:	2/2/16
·		t to be a distance of the	

SHOULDER WEDGE DETAIL

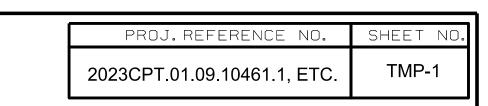
(Resurfacing Adjacent to Rutted Shoulder)

PROJECT NO.	SHEET NO.
2023CPT.01.09.10461.1, ETC.	6

SUMMARY OF QUANTITIES

											0000100000-N	0106000000-E	1220000000-E	1245000000-E	1297000000-E	1330000000-E	1519000000-	E 1523000000-E	1526000000-E	1575000000-	1705000000-	1775500000-	E 1838000000-E	600000000-E	6071012000-E	6084000000-E	6117000000-N
PROJECT NO	COUNTY	MAP ROUTE	DESCRIPTION	TYP LANES	S LANE	FINAL	WARM	MATERIAL	LENGTH	WIDTH	MOBILIZATION	BORROW	INCIDENTAL	SHOULDER	MILLING	INCIDENTAL	ASPHALT	ASPHALT	ASPHALT	ASPHALT	PATCHING	ASPHALT	EMULSION	TEMPORARY	COIR FIBER	SEEDING &	RESPONSE
		NO		NO	TYPE	SURFACE	MIX	TRANSFER				EXCAVATION	STONE BASE	RECONSTRUCTION	ASPHALT	MILLING	CONC	CONC	CONC	BINDER FOR	EXISTING	SURFACE	FOR	SILT FENCE	WATTLE	MULCHING	FOR EROSION
						TESTING	ASPHALT	VEHICLE							PAVEMENT		SURFACE	SURFACE	SURFACE	PLANT MIX	PAVEMENT	TREATMENT	ASPHALT				CONTROL
						REQUIRED	REQUIRED	REQUIRED							(1½")		COURSE,	COURSE,	COURSE,		(FULL DEPTH)	MAT COAT,	SURFACE				1 '
																	S9.5B	S9.5C	S4.75A			#67 STONE	TREATMENT				1 '
									MI	FT	LS	CY	TONS	SMI	SY	SY	TONS	TONS	TONS	TONS	TON	SY	GAL	LF	LF	ACR	EA
2023CPT.01.09.20082.1	Bertie	9 SR 1223 JERNIGAN LANE	SR 1224 TRIPP RD TO DEAD END	4 2	2WU	NO	NO	NO	0.35	19	1								243	17							1
			SR 1200 HEXLENA RD TO DEAD																								
2023CPT.01.09.20082.1	Bertie	8 SR 1241 OAKLAND FARM RD	END	4 2	2WU	NO	NO	NO	0.17	18	*								113	8							1
2023CPT.01.09.20082.1		7 SR 1336 DEW DROP RD	NC 45 TO CURB AND GUTTER	4 2	2WU	NO	NO	NO	1.82	18	*								1,226	86							
																			, , , , , , , , , , , , , , , , , , ,								
2023CPT.01.09.20082.1	Bertie	6 SR 1337 ETHERIDGE RD	NC 45 TO SR 1336 DEW DROP RD	4 2	2WU	NO	NO	NO	0.36	20	*								263	18							1 '
			NC 45 TO END OF STATE																								,
2023CPT.01.09.20082.1	Bertie	5 SR 1392 POINT COMFORT RD	MAINTENANCE	4 2	2WU	NO	NO	NO	1.06	18	*								698	49							1
TOTAL FOR	PROJ NO.	2023CPT.01.09.20082.1							3.76										2,543	178							,
			SR 1301 BULL HILL RD TO SR 1344																								,
2023CPT.01.09.20081.1	Bertie	4 SR 1001 WAKELON RD	PERRYTOWN RD	2 2	2WU	NO	NO	NO	3.6	21	*	1,080	72	7.20		700	4,285			289	30	44,352	17,740	50	20	3.6	2
			NC 305 TO SR 1228 EARLY																								,
2023CPT.01.09.20081.1	Bertie	3 SR 1200 HEXLENA RD	STATION RD	3 2	2WU	NO	NO	NO	2.8	20	*	840	56	5.60	32,619	905	3,075			213	146			50	25	2.8	1
			SR 1200 CONNARITSA RD TO SR																								,
2023CPT.01.09.20081.1	Bertie	2 SR 1221 CHARLES TAYLOR RD	1219 FRANCIS MILL RD	2 2	2WU	NO	NO	NO	2.63	21	*	789	53	5.26		400	2,999			213	245	32,402	12,960	50	25	2.6	3
TOTAL FOR	R PROJ NO.	2023CPT.01.09.20081.1							9.03			2,709	181	18.06	32,619	2,005	10,359			715	421	76,754	30,700	150	70	9.0	6
2023CPT.01.09.10461.1	Hertford	1 NC 461	NC 561 TO US 13	1 2	2WU	NO	NO	YES	8.15	24	*	2,445	163	16.30	114,752	6,251		11,184		681	200			100	50	8.2	4
TOTAL FOR	R PROJ NO.	2023CPT.01.09.10461.1							8.15			2,445	163	16.30	114,752	6,251		11,184		681	200			100	50	8.2	4
		·	·																								
			<u> </u>																								
	GRAN	D TOTAL							20.94		1	5,154	344	34.36	147,371	8,256	10,359	11,184	2,543	1,574	621	76,754	30,700	250	120	17.2	10

	THERMOPLASTIC AND PAINT QUANTITIES																						
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION		LANES	LANE TYPE	FINAL	WARM MIX ASPHALT REQUIRED	MATERIAL TRANSFER VEHICLE			441300000-E WORK ZONE ADV/GEN WARNING SIGNING			8000000-E THERMO PAVEMENT MARKING LINES (6", 90 MILS) YELLOW	4709000000-E THERMO PAVEMENT MARKING LINES (24" 90 MILS)	481000 PAINT PAVEMENT MARKING LINES (4") WHITE	PAINT PAVEMENT MARKING LINES (4") YELLOW	4835000000-E PAINT PAVEMENT MARKING LINES (24")	GENERIC PAVEMENT MARKING ITEM, THERMO	GENERIC PAVEMENT MARKING ITEM, THERMO	490000000-N PERMANENT RAISED PAVEMENT MARKERS (CRYS/CRYS)
																					HOT SPRAY LINES (4" 55 MILS) WHITE	HOT SPRAY LINES (4" 55 MILS) YELLOW	
											MI	FT	SF	LS	LF	LF	LF	LF	LF	LF	LF	LF	EA
2023CPT.01.09.20082.1	Bertie	9	SR 1223 JERNIGAN LANE	SR 1224 TRIPP RD TO DEAD END	4	2	2WU	NO	NO	NO	0.35	19		1									
				SR 1200 HEXLENA RD TO DEAD																			
2023CPT.01.09.20082.1	Bertie	8	SR 1241 OAKLAND FARM RD	END	4	2	2WU	NO	NO	NO	0.17	18		*									
2023CPT.01.09.20082.1	Bertie	7	SR 1336 DEW DROP RD	NC 45 TO CURB AND GUTTER	4	2	2WU	NO	NO	NO	1.82	18		*				19,583	12,012				
2023CPT.01.09.20082.1	Bertie	6	SR 1337 ETHERIDGE RD	NC 45 TO SR 1336 DEW DROP RD	4	2	2WU	NO	NO	NO	0.36	20		*				3,874	2,376				
				NC 45 TO END OF STATE																			
2023CPT.01.09.20082.1	Bertie		SR 1392 POINT COMFORT RD	MAINTENANCE	4	2	2WU	NO	NO	NO	1.06	18		*				11,406	6,996				
TOTAL FOR	PROJ NO.	2023CF	T.01.09.20082.1								3.76				.			34,863	21,384				
																		56,247					
2023CPT.01.09.20081.1	Bertie	4	SR 1001 WAKELON RD	SR 1301BULL HILL RD TO SR 1344 PERRYTOWN RD	2	2	2WU	NO	NO	NO	3.60	21	432	*				38,736	23,760		38,736	23,760	
2023CPT.01.09.20081.1	Bertie	3	SR 1200 HEXLENA RD	NC 305 TO SR 1228 EARLY STATION RD	3	2	2WU	NO	NO	NO	2.80	20	344	*			40	30,128	18,480	40	30,128	18,480	
				SR 1200 CONNARITSA RD TO SR																			
2023CPT.01.09.20081.1			SR 1221 CHARLES TAYLOR RD	1219 FRANCIS MILL RD	2	2	2WU	NO	NO	NO	2.63	21	392	*				28,299	17,358		28,299	17,358	
TOTAL FOR	PROJ NO.	2023CF	T.01.09.20081.1								9.03		1,168				40	97,163	59,598	40	97,163	59,598	
															ļ		ļ	156,761		ļ	156,761	1	
		1	NC 461	NC 561 TO US 13	1	2	2WU	NO	NO	YES	8.15	24	1,288	*	87,694	53,790	192	87,694	53,790	192			538
TOTAL FOR	PROJ NO.	2023CP	T.01.09.10461.1								8.15		1,288	ļ	87,694	53,790	192	87,694	53,790	192			538
																141,484	ļ	141,484					
		D TOTA		1	1	ı				1	20.94	1	2,456	1 1	87,694	53,790	232	219,720	134,772	232	97,163	59,598	538



SIGNING FOR RESURFACING PROJECTS

LEGEND - STATIONARY SIGN ← DIRECTION OF TRAFFIC FLOW

CONSTRUCTION CONSTRUCTION (SEE NOTE BELOW) LIMITS **-**1000′OR MORE 1000′OR MORE → (SEE NOTE - Y 3 -(5) (SEE NOTE BELOW) - Y1-BELOW) 1 MILE SPACING (SEE NOTE BELOW)

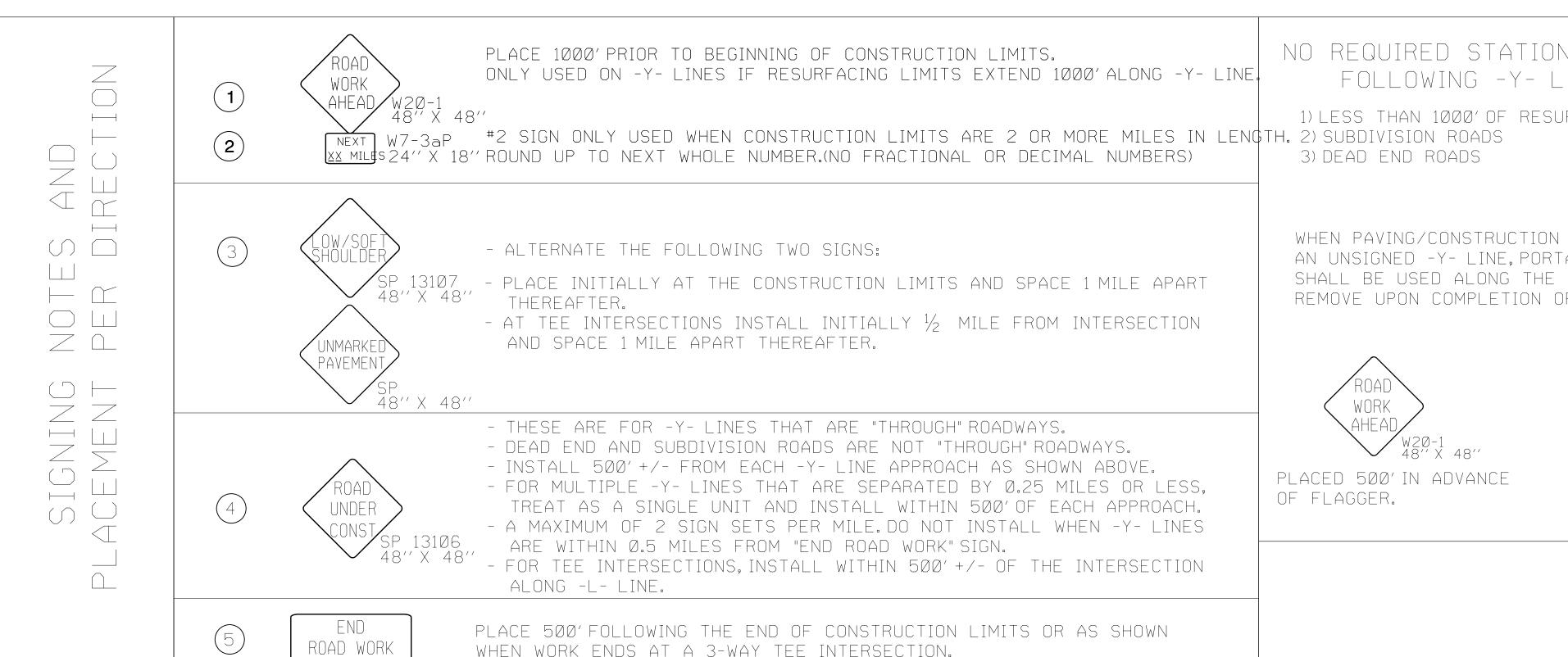
TEE INTERSECTION

CONSTRUCTION

LIMITS

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

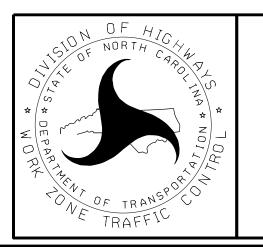


NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:

1) LESS THAN 1000'OF RESURFACING ALONG -Y- LINE

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.





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

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.

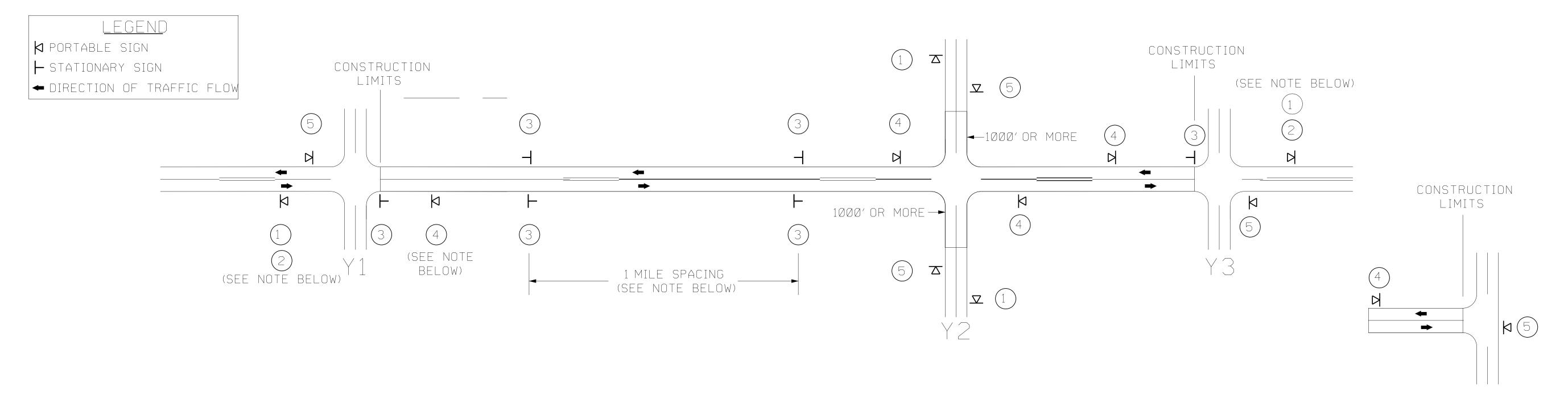
G2Ø-2 A 48'' X 24''

START OF CONTRACT WORK.

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

SIGNING FOR ASPHALT SURFACE TREATMENT



MAINLINE (-L-) SIGNING

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

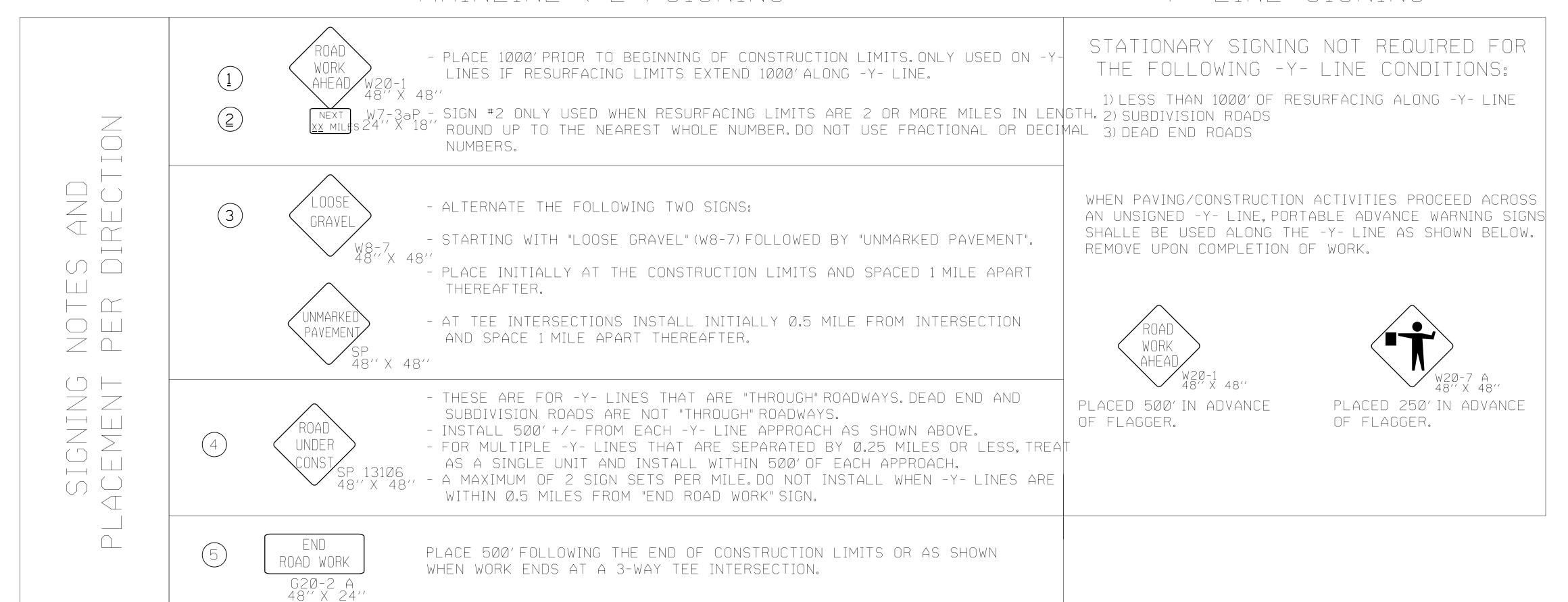
FOR AST RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, USE A STATIONARY

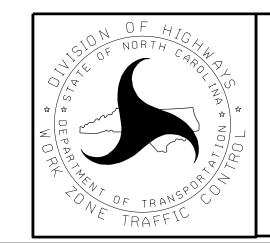
"LOOSE GRAVEL" SIGN AT THE BEGINNING CONSTRUCTION LIMIT FOLLOWED BY AN "UNMARKED PAVEMENT" SIGN

MIDWAY THROUGH AND AN "END ROAD WORK" SIGN AT THE END CONSTRUCTION LIMIT.

START OF CONTRACT WORK.

-Y- LINE SIGNING





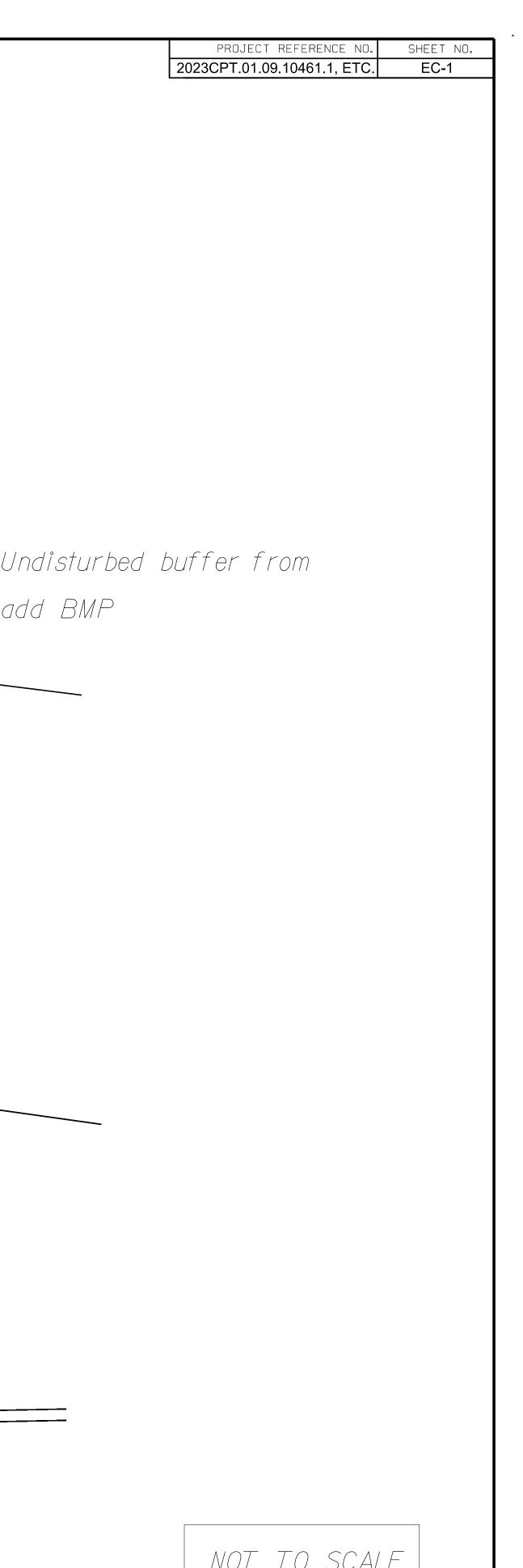
ADVANCE WARNING SIGNS
FOR
2-LANE ROADWAY
ASPHALT SURFACE TREATMEN

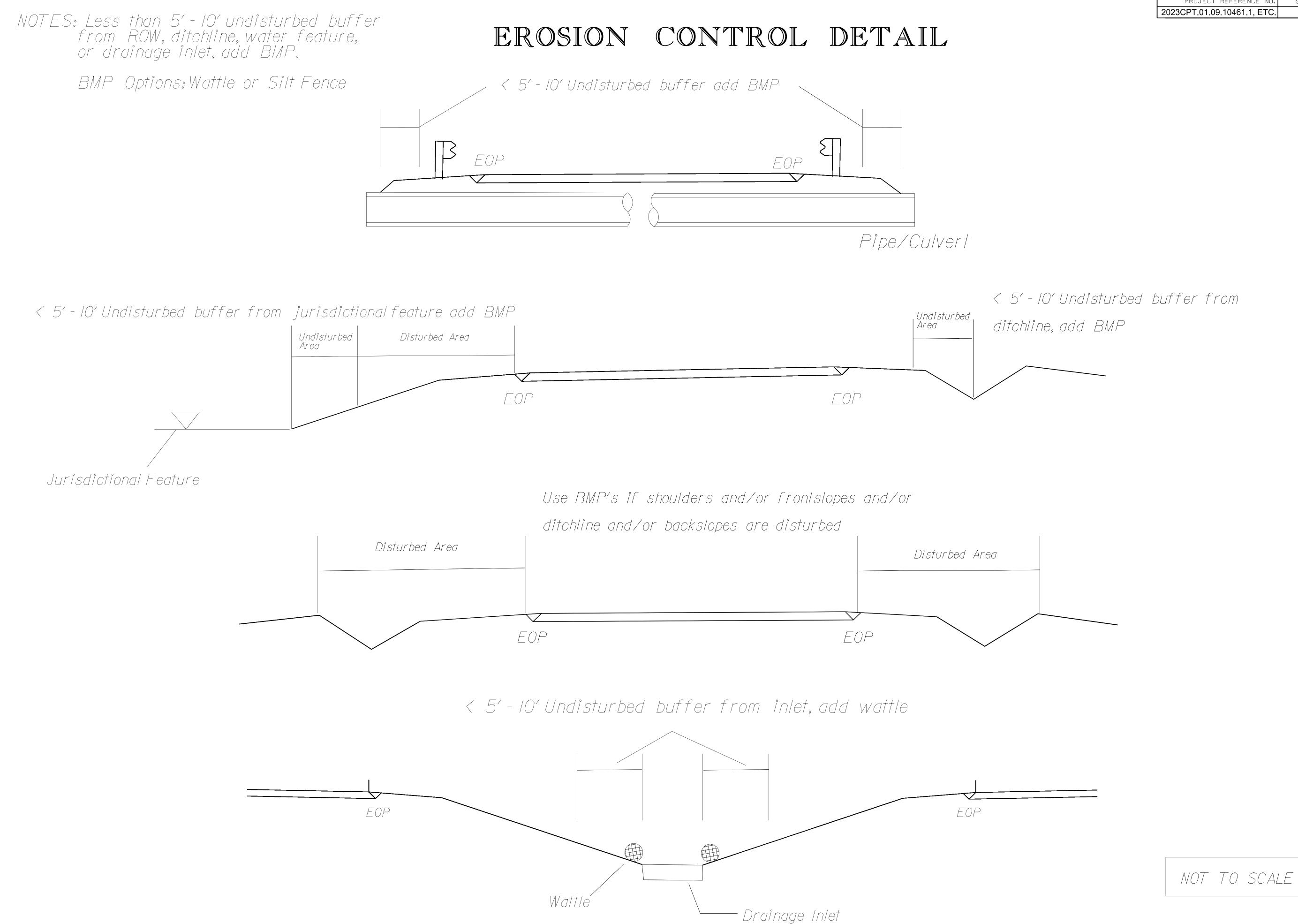
TEE INTERSECTION

21-SEP-2022 15:03 S:\Contracts\6) Proposed Resurfacina\2023-2024 Prese

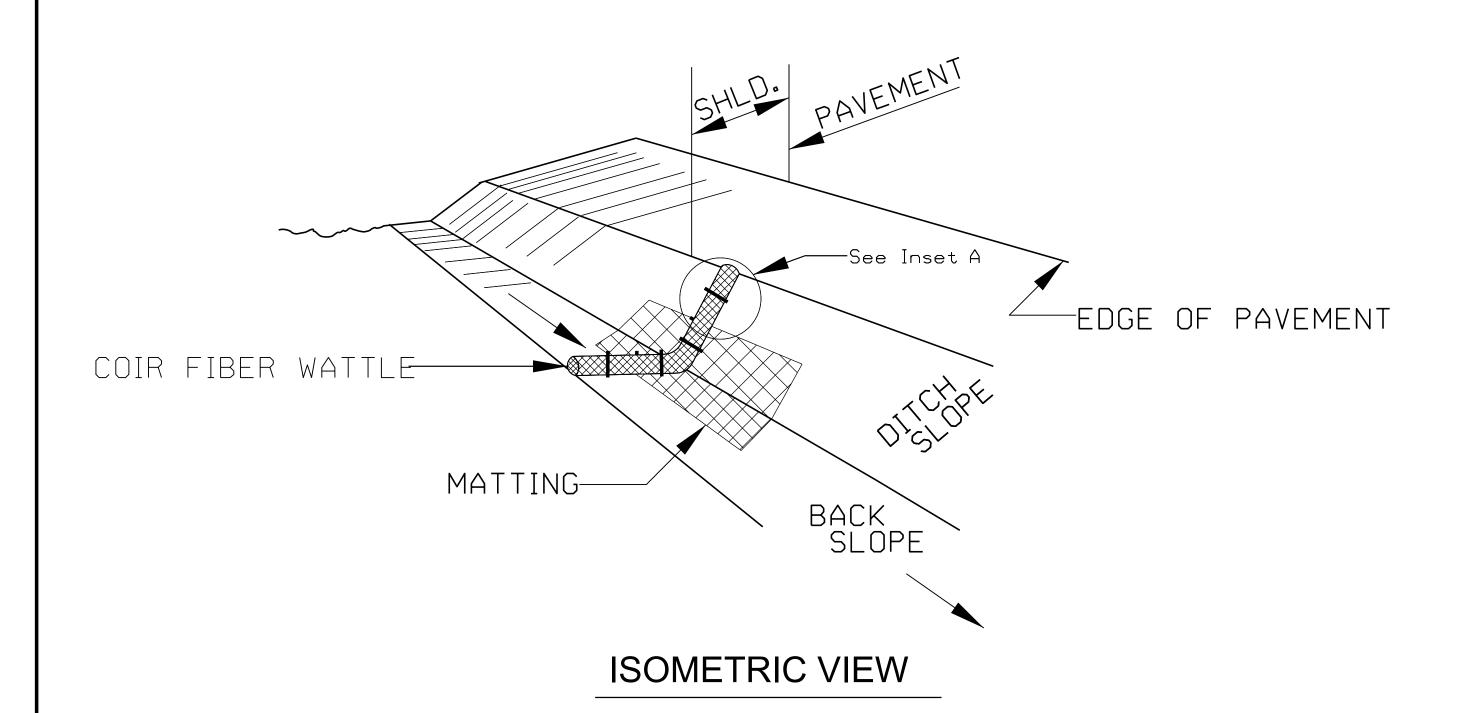
MAPS LESS

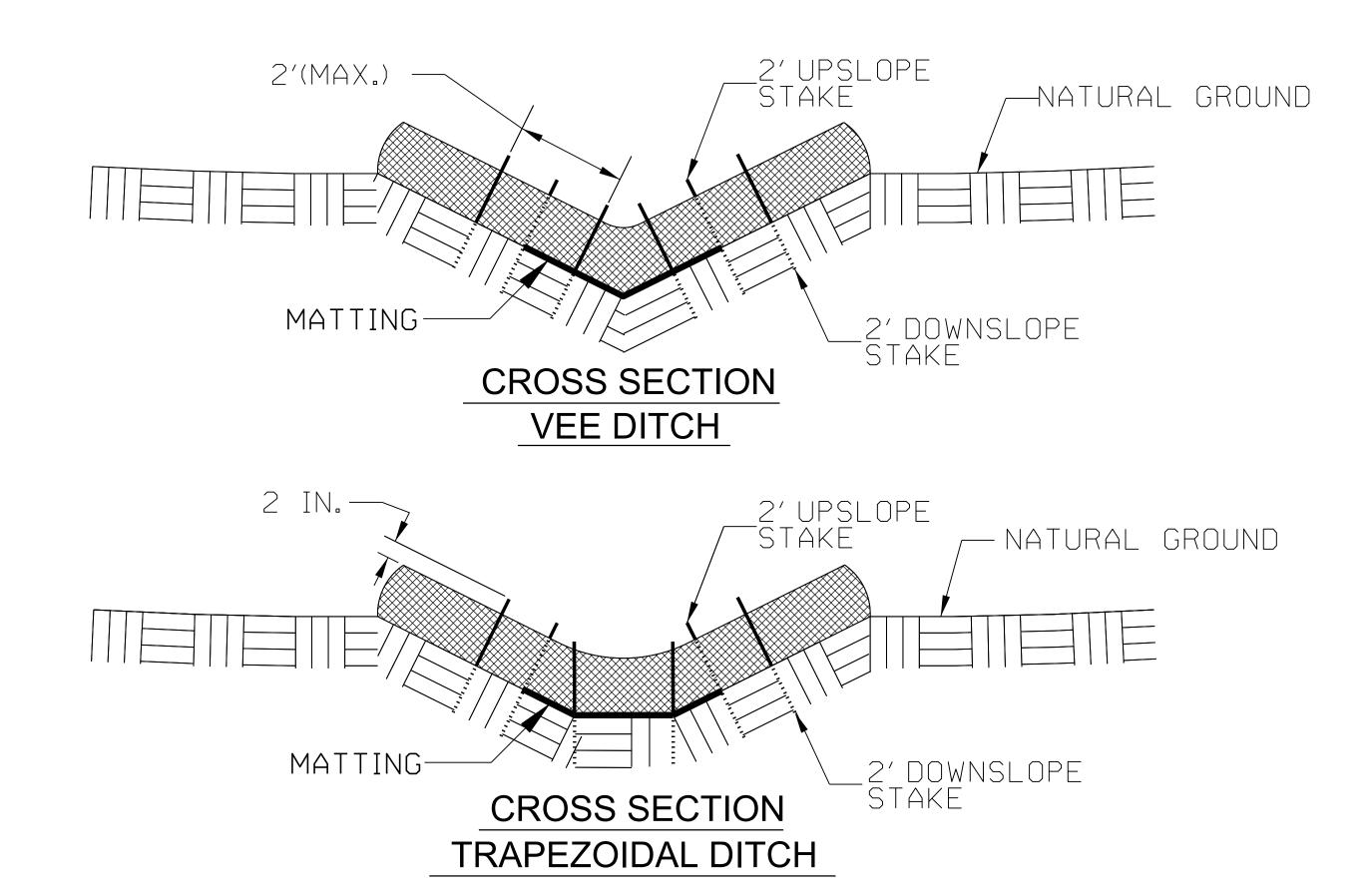
THAN 2 MILES





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.

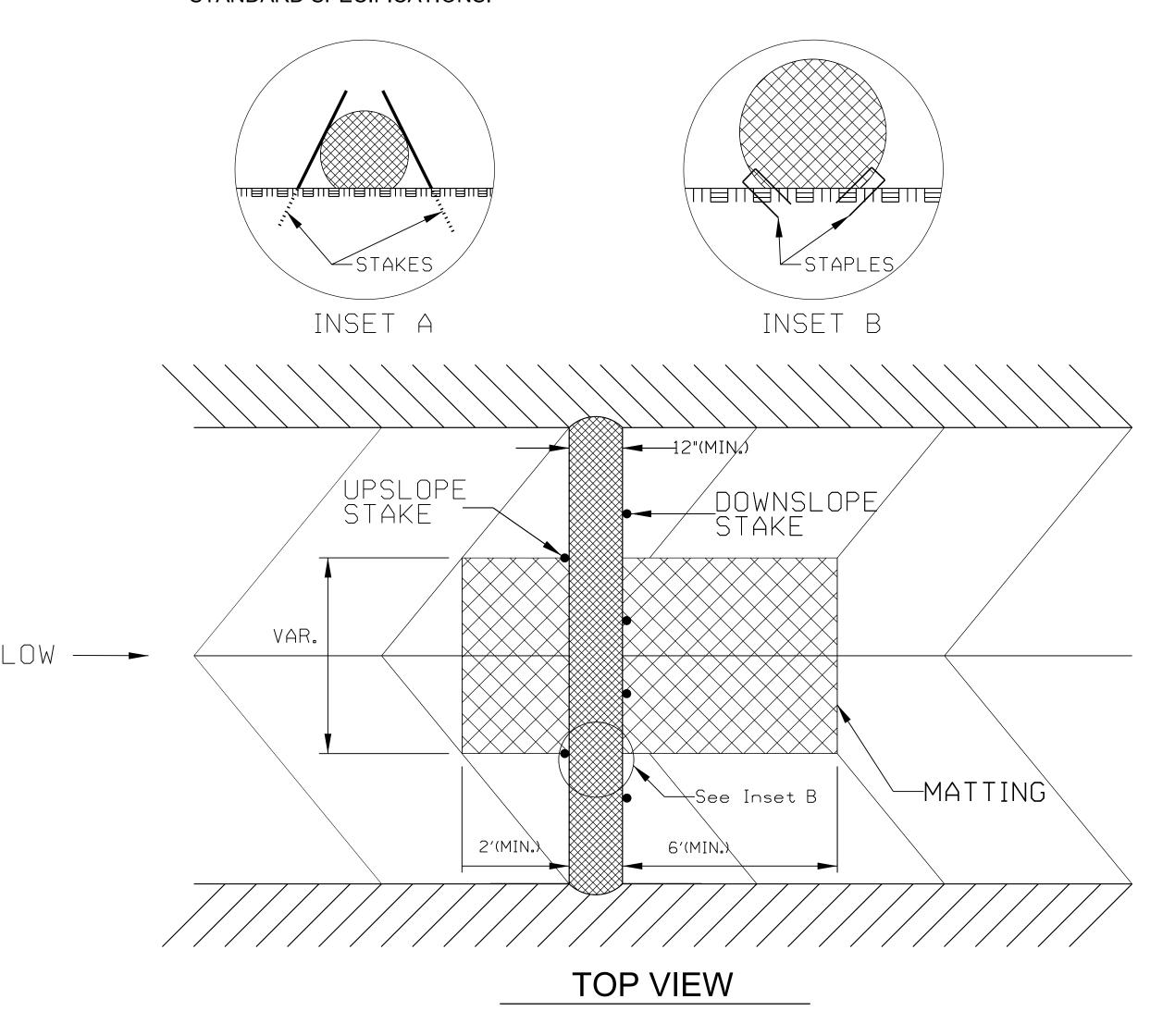
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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.