

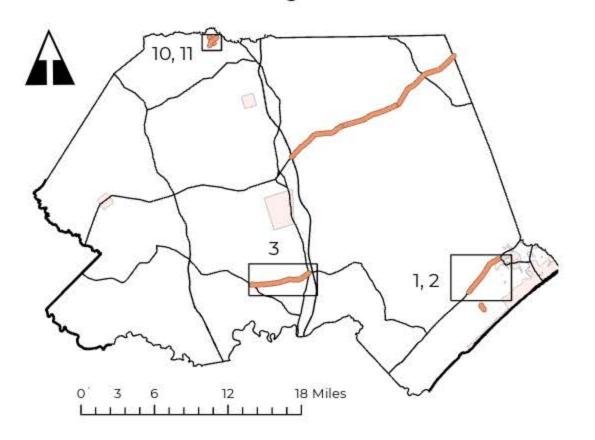
PROJECT REFERENCE NO.	SHEET NO.
2021CPT.03.06.10711, ETC.	1

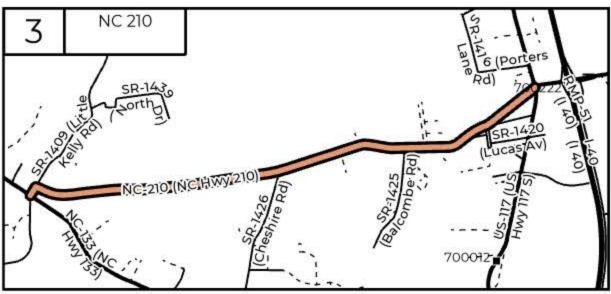
Pender County

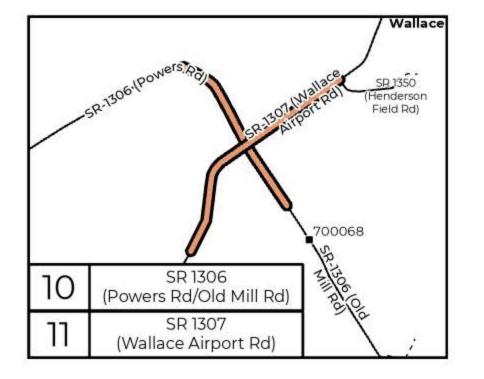
Table of Contents

Maps	Sheet No.
1-3, 10, and 11	2
14-16, and 18	3

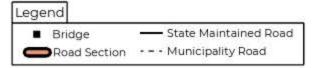
Pender County 1-3, 10, and 11

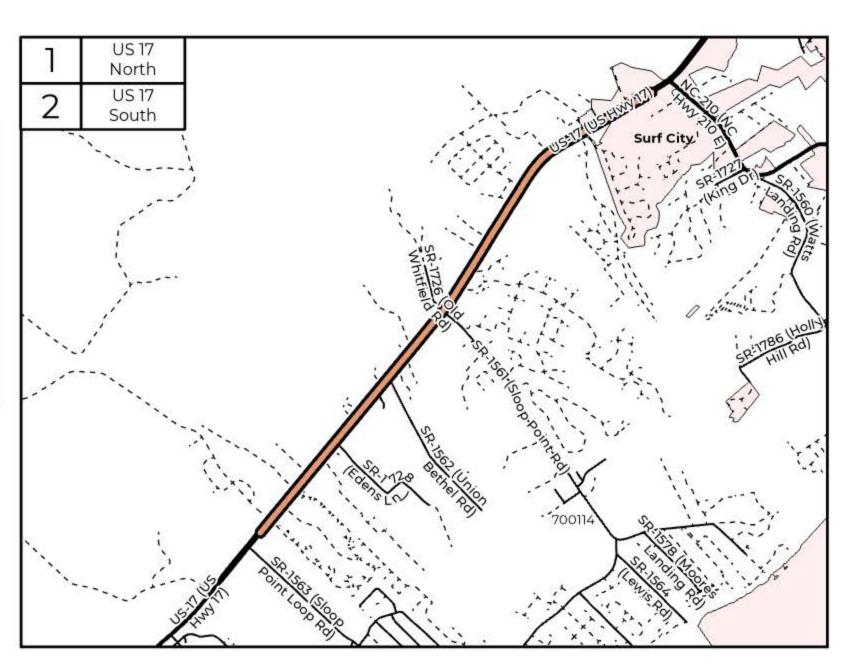






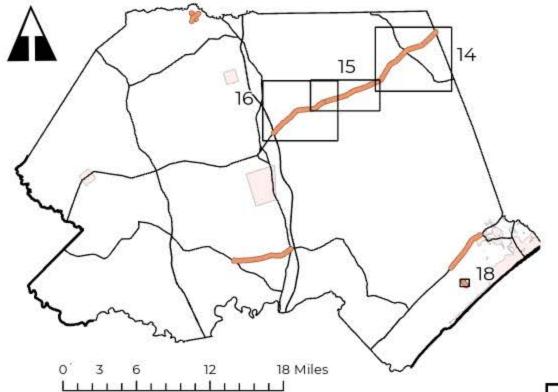
PROJECT REFERENCE NO. SHEET NO. 2021CPT.03.06.10711, ETC. 2

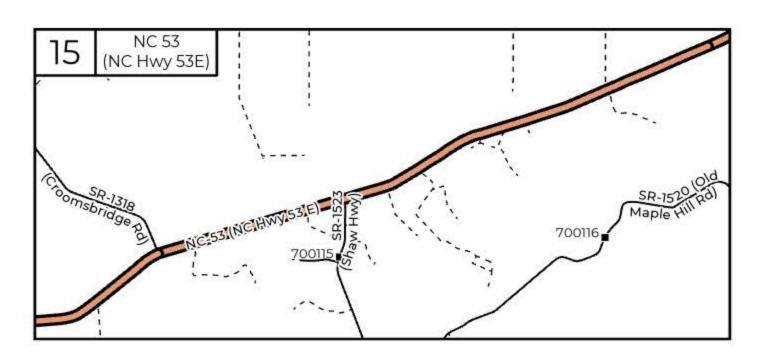


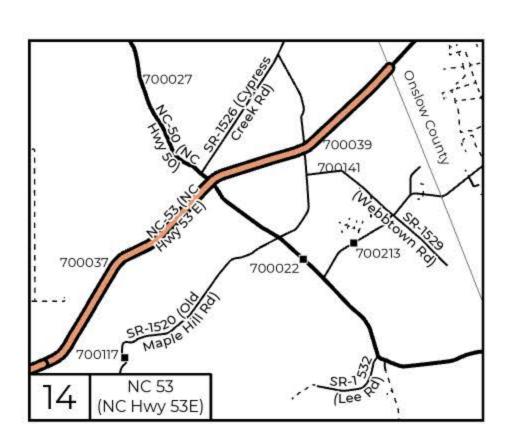


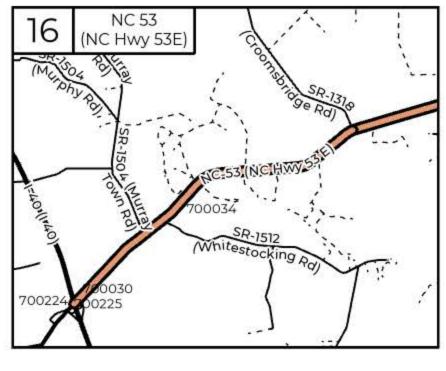
Pender County 14-16, and 18

PROJECT REFERENCE NO. SHEET NO. 2021CPT.03.06.10711, ETC. 3







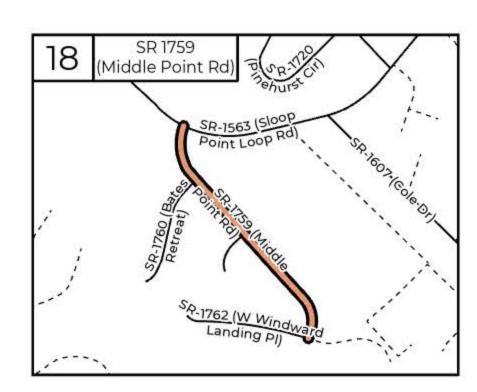


Road Section • - • Municipality Road

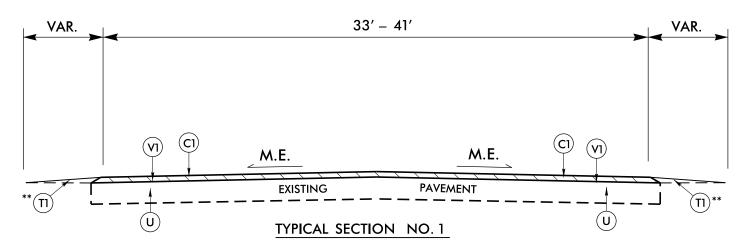
State Maintained Road

Legend

■ Bridge



PROJECT REFERENCE NO. SHEET 2021CPT.03.06.10711, Etc. 4



NOTES: MILL A SINGLE LANE AND PAVE BACK BY THE END OF EACH WORK DAY

** SHOULDER WORK ON MAPS NO. 1 & NO. 2
AS NEEDED, TO BE DETERMINED BY ENGINEER.

MAP NO. 1 MAP NO. 2 US 17 NORTH US 17 SOUTH MP 9.61 – MP 13.48 MP 2.48 – MP 6.17

EFF.01-16-2018

REV.

VAR.

C1

M.E.

EXISTING

PAVEMENT

T1

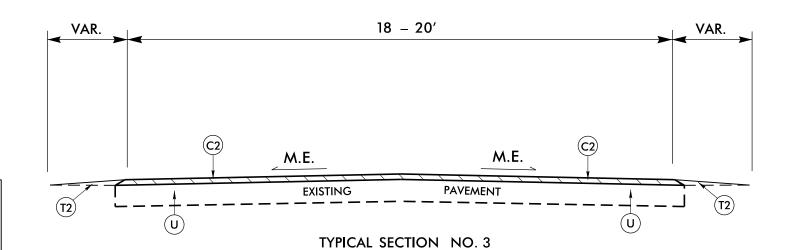
T1

	PAVEMENT SCHEDULE
C1	PROP. APPROX. $11\!\!\!/2$ " DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
C2	PROP. APPROX. $1lash 2$ DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
T1	AGGREGATE SHOULDER BORROW (ASB) SHOULDER RECONSTRUCTION
T2	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
U	EXISTING PAVEMENT
V1	MILLING ASPHALT PAVEMENT, 1½" DEPTH

PAVEMENT EDGE SLOPES ARE 1:1, EXCEPT FINAL SURFACE COURSE. SEE SHOULDER WEDGE DETAIL.

TYPICAL SECTION NO. 2

MAP NO. 3 NC 210 MP 28.83 - MP 33.75



2018 ROADWAY ENGLISH STANDARD DRAWINGS

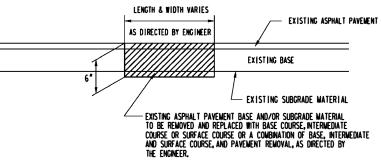
The following Roadway Standards as appear in "Roadway Standard Drawings"
Highway Design Branch — N.C.Department of Transportation — Raleigh, N.C., Dated January, 2018
are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO. TITLE
DIVISION 8 - INCIDENTALS

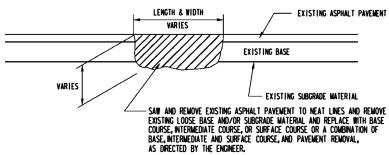
862.01 Guardrail Placement 862.02 Guardrail Installation MAP NO. 10 SR 1306 (POWERS RD./OLD MILL RD.) MP 1.60 – MP 2.27

MAP NO. 11 SR 1307 (WALLACE AIRPORT RD.) MP 0.67 – MP 1.70

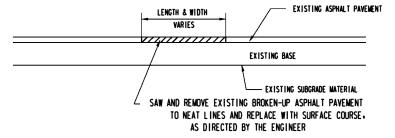
28-0CT-2020 09:44 S:\Division Resurfacing\Resurfacin



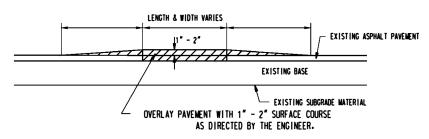
DETAIL NO. 1



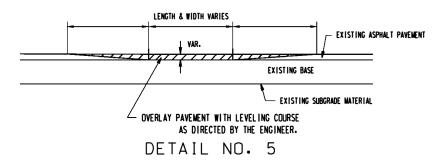
DETAIL NO. 2



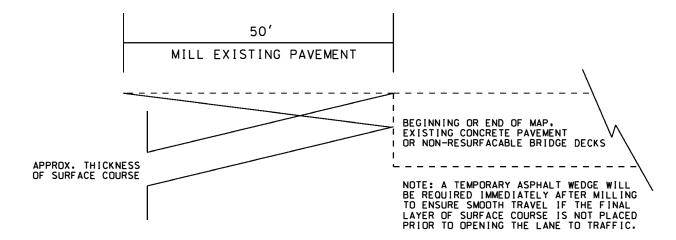
DETAIL NO. 3



DETAIL NO. 4



PROJECT REFERENCE NO. SHEET NO. 2021CPT.03.06.10711, Etc. 5



DETAIL FOR MILLING & INCIDENTAL MILLING PAY ITEMS:
MAY BE USED AT THE BEGINNING & END OF MAPS
AND AT APPROACH & TRAILING ENDS OF BRIDGES

PROJECT REFERENCE NO. SHE

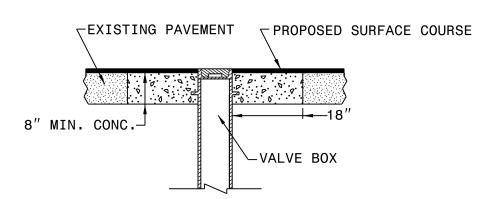
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

GENERAL NOTES:

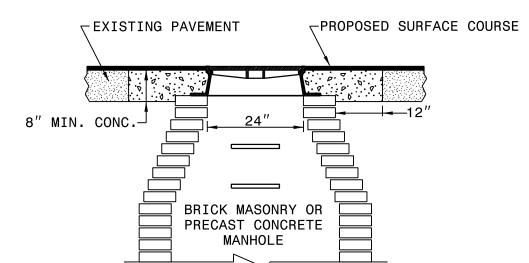
1. USE RAPID SET GROUT, MORTAR, OR CONCRETE THAT WILL TAKE FULL SET AND BECOME LOAD BEARING WITHIN SIXTY MINUTES OF PLACEMENT WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.

2. REMOVE ALL FAULTY EXISTING BRICKWORK AND REPLACE WITH NEW BRICK MASONRY.

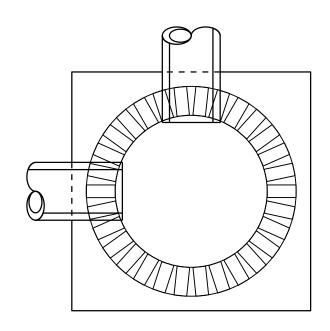
- 3. SHEER CUT EXCAVATION FOR THE ADJUSTMENT ON ALL SIDES.
- 4. FILL AREA BELOW 8" DEPTH WITH 78M OR NO. 57 CLEAN STONE.
- 5. MIX MORTAR TO NCDOT SPECIFICATIONS.
- 6. MORTAR JOINTS $\frac{1}{2}$ " +/- $\frac{1}{8}$ "
- 7. CONSTRUCT AN ASPHALT RAMP IN ACCORDANCE WITH SECTION 858-3 OF THE 2018 STANDARD SPECIFICATIONS.



VALVE BOX CONCRETE ENCASEMENT



MANHOLE CONCRETE ENCASEMENT



ELEVATION VIEW

PLACE BRICK ACCORDING TO ELEVATION VIEW

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

ENGLISH DETAIL DRAWING FOR MANHOLE AND VALVE BOX ADJUSTMENTS

SHEET 1 OF 1 840D55

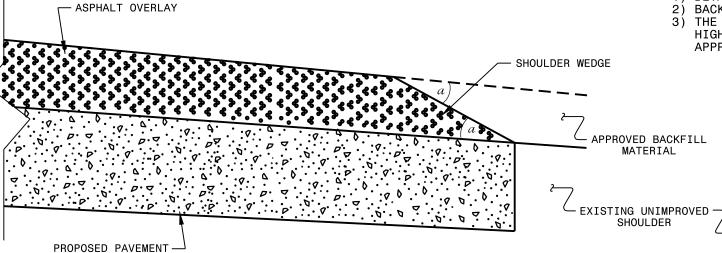
ENGLISH DETAIL DRAWING FOR

SHEET 1 OF 1 840D55

s-NUV-2011 10:19 :X-NuV-sign 10:19 :X-Divising Standan Standan

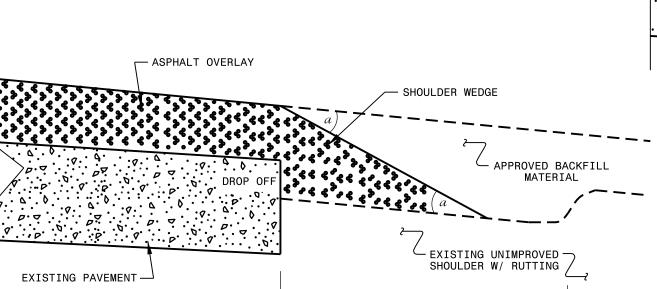
1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
2) BACKFILL SHOULDER WITH APPROVED MATERIAL.

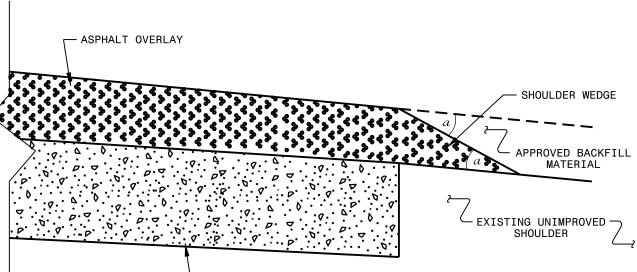
3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THÉ ENGINEER.



SHOULDER WEDGE DETAIL

(Resurfacing Projects w/ Widening or with Existing Paved Shoulder having no dropoffs)





SHOULDER WEDGE DETAIL

(Resurfacing Projects w/ NO Widening)

EXISTING PAVEMENT —

- 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:	2/2/16
CHECKED BY:	DATE:	
FILE SPEC : s	usr/details/stand/shoulderwedge	edetail.dgn

SHOULDER WEDGE DETAIL

(Resurfacing Adjacent to Rutted Shoulder)

77-JUN-2018 13:52 S:\Contracts\Contracts\IResur o_porter AT CSD-292592

PROJECT NO.	TOTAL NO.	TOTAL NO.
2021CPT.03.06.10711, 2021CPT.03.06.20711	0	
2021CPT.03.06.10712, ETC.	٥	

SUMMARY OF QUANTITIES

PROJECT NO COUNT MAP NO PROJECT NO COUNT MAP NO PROJECT NO NO NO NO STATE AND MARK LAW TESTING ASPHALT REQUIRED PLAN MILLS SOUTH OF REAL TESTING ASPHALT RECOVERY SOUTH OF REAL TESTING ASPHALT R	NG OF METER OR END UNITS, TYPE CAT-1 L H) N EA EA 2.00 1.00 1.00 1 1	GUARDRAIL REMOVE & REPLACE EXISTING GUARDRAIL EA
DEPTHY Park	H) EA EA 2.00 2.00 1.00 1.00 1 1	1.00 625.00 1.00 625.00 1.00 225.00 1.00 225.00
FROM 0.1 MILES NORTH OF SR 1563 (SLOOP POINT LODP RD) TO 0.13 MILES SOUTH OF NC 210 (MP 9.61 - MP 13.48) 1 2 MD NO NO 3.87 33-41 580 60 2.32 95,876 1,147 8,150 489 350 50 50 100 13 MILES NORTH OF SR 250 100 NO NO 3.87 33-41 580 60 2.32 95,876 1,147 8,150 489 350 50 50 100 13 MILES NORTH OF SR 1563 (SLOOP POINT LODP RD.) (MP 2.48 - MP 6.17) 1 2 2 WD NO NO 3.69 33-41 550 66 2.21 79,842 1,036 6,828 410 350 50 100 100 100 100 100 100 100 100 10	2.00 2.00 1.00 1.00	1.00 625.00 1.00 625.00 1.00 225.00 1.00 225.00
SOUTH FOR MAIP NO. 1 SOUTH OF NO. 210 SOUTH OF SOUTH	1.00 1.00 1 1 1	1.00 625.00 1.00 225.00 1.00 225.00
TOTAL FOR MAP NO. 1 FROM .13 MILES SOUTH OF NC 210 TO 0.10 MILES NORTH OF SR 1563 (SLOOP POINT LOOP RD.) 2021CPT.03.06.10711 Pender 2 US 17 SOUTH [MP, 248 - MP 6.17] 1 2 2WD NO NO 3.69 33-41 550 66 2.21 79,842 1,036 6,828 410 350 50 TOTAL FOR MAP NO. 2 FROM US 117 TO NC 133 FROM 1517 TO NC 133 FROM 15	1.00 1.00 1 1 1	1.00 625.00 1.00 225.00 1.00 225.00
FROM .13 MILES SOUTH OF NC 210 TO 0.10 MILES NORTH OF SR 1563 (SLOOP POINT LOOP RD.)	1.00 1.00	1.00 225.00 1.00 225.00
Color Colo	1.00	1.00 225.00
TOTAL FOR MAP NO. 2 D221CPT.03.06.10711 Pender 3 NC 210 [MP 28.83 - MP 33.75] 2 2 2WU NO NO 4.92 23 2,460 250 9.84 6,050 100 370 120 100 100 100 100 100 100 100 100 10	1.00	1.00 225.00
Pender 3	1 1	
2021CPT.03.06.10711 Pender 3 NC 210 [MP 28.83 - MP 33.75] 2 2 2W NO NO NO 4.92 23 2,460 250 9.84	-	2 850.00
TOTAL FOR MAP NO. 3 TOTAL FOR PROJ NO. 2021CPT.03.06.10711 FROM 0.35 NORTH OF SR 1307 (WALLACE AIRPORT ROAD) TO 0.27 SOUTH OF SR 1307	-	2 850.00
TOTAL FOR PROJ NO. 2021CPT.03.06.10711	1 3	2 850.00
FROM 0.35 NORTH OF SR 1307 (WALLACE AIRPORT ROAD) TO 0.27 SOUTH OF SR 1307		
AIRPORT ROAD) TO 0.27 SOUTH OF SR 1307		
2021CPT.03.06.2071 Pender 10 MILL ROAD)) [MP 1.60 - MP 2.27] 3 2 2WU NO NO 0.67 18 65 10 1.34 120 510 34 300 TOTAL FOR MAP NO. 10 0.67 65 10 1.34 120 510 34 300	+ + +	
FROM 0.48 SOUTH OF SR 1306 (POWERS		
RD./OLD MILL RD.) TO SR 1307 (WALLACE AIRPORT SR 1350 (HENDERSON FIELD ROAD) 2021CPT.03.06.2071 Pender 11 ROAD) [MP 0.67 - MP 1.70] 3 2 2WU NO NO 1.03 20 100 10 2.00 120 1,071 72 250		
TOTAL FOR MAP NO. 11 1.03 100 10 2.00 120 1,071 72 250		
TOTAL FOR PROJ NO. 2021CPT.03.06.20711 1.7 165 20 3.34 240 1,581 106 550		
TROM ONSION COUNTY UNITO 3 MUSS		
FROM ONSLOW COUNTY LINETO 3 MILES SOUTH OF INC 50 AT SHELTER CREEK QUARRY [MP 0.00 - MP 6.40] N/A 2 2WU NO NO 6.4 24 650		
TOTAL FOR MAP NO. 14 6.4 650		
FROM 3 MILES SOUTH OF NC 50 AT SHELTER CREEK QUARRY TO SR 1318 (CROOMSBRIDGE RD.)		
2021CPT.03.06.10712 Pender 15 NC 53 [MP 6.40 - MP 11.27] N/A 2 2WU NO NO 4.87 24 375 375 375 375 375 375 375 375 375 375	+ +	
FROM SR 1318 (CROOMSBRIDGE RD.) TO		
2021CPT.03.06.10712 Pender 16 NC 53 I-40 [MP 11.27 - MP 16.20] N/A 2 2WU NO NO 4.93 24 450		
TOTAL FOR MAP NO. 16 4.93 450 450		
TOTAL FOR PROJ NO. 2021CPT.03.06.10712 16.2 1,475		
FROM SR 1563 (SLOOP POINT LOOP RD.)		
TO SR 1762 (W. WINDWARD LANDING PL.)		
2021CPT.03.06.20712 Pender 18 SR 1759 MIDDLE POINT RD. [MP 0.00 - MP 0.46] N/A 2 2WU NO NO 0.46 22		
TOTAL FOR PROJ NO. 2021CPT.03.06.20712		
GRAND TOTAL 30.84 165 3,590 396 17.71 175,718 2,423 1,581 21,028 100 1,375 2,335 550 100	1 3	2 850.00

ſ	PROJECT NO.	TOTAL NO.	TOTAL NO.
ſ	2021CPT.03.06.10711, 2021CPT.03.06.20711	0	
	2021CPT.03.06.10712. ETC.	9	

SUMMARY OF QUANTITIES

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PROJECT NO	COUNT	MAP	ROUTE	DESCRIPTION	TYP	LANE LANE	FINΔI	WARM	LENGT		PORTABLE	TEMPORARY	STONE FOR EC	SEDIMENT	TEMPORARY	SEED FOR	FERTILIZER	MATTING FOR	1/4"	WATTLE	SEED &	SEED FOR	FERTILIZER	RESPONSE FOR
1 KOJECI NO	Υ	NO	ROOTE	DESCRIPTION	NO	S TYPE			Н		LIGHTING	SILT FENCE	CLASS B	CONTROL	MULCHING	TEMPORARY	FOR	EROSION	HARDWARE	WATTE	MULCHING	REPAIR	FOR REPAIR	EROSION CONTROL
							TESTING							STONE		SEEDING	TEMPORARY	CONTROL	CLOTH			SEEDING	SEEDING	
							REQUIRE	REQUIRED									SEEDING							
							D																	
				FROM 0.4 MILES MORTH OF SR 4552					MI	FT	LS	LF	TON	TON	ACR	LBS	TON	SY	LF	LF	AC	LB	TON	EA
				FROM 0.1 MILES NORTH OF SR 1563 (SLOOP POINT LOOP RD.) TO 0.13 MILES																				
				SOUTH OF NC 210																				
2021CPT.03.06.10711	1 Pender	1	US 17 NORTH	[MP 9.61 - MP 13.48]	1	2 MD	NO	NO	3 87	33-41	*													
2021011105100110711								1.0	3.87	33 .1	*													
	TOTAL	FOR MAP	, NO. 1	FROM .13 MILES SOUTH OF NC 210 TO					3.87						-		-							
				0.10 MILES NORTH OF SR 1563																				
				(SLOOP POINT LOOP RD.)																				
2021CPT.03.06.10711	1 Pender	2	US 17 SOUTH	[MP 2.48 - MP 6.17]	1	2 2WD	NO	NO	3.69	33-41	*													
		FOR MAP							3.69		*													
	TOTAL	I OK WAF	140. 2	FROM US 117 TO NC 133					3.03			1			1				1		†			
2021CPT.03.06.10711	1 Pender	3	NC 210	[MP 28.83 - MP 33.75]	2	2 2WL	NO	NO	4.92	23														
		FOR MAP		,					4.92															
TOTAL	EOD DDOI	NO 2021	CPT.03.06.10711						12.48		1													
IOIAL	FOR PROJ	NO. 2021	CF1.03.00.10711																					
	1			Innovation of Months of the Anna (MANA) and			1	1		1		1		1	1	1	T	T	1	T	1	1	1	
				FROM 0.35 NORTH OF SR 1307 (WALLACE																				
				AIRPORT ROAD) TO 0.27 SOUTH OF SR 1307																				
			SR 1306 (POWERS ROAD/OLD																					
2021CPT.03.06.20711	1 Pender	10	MILL ROAD))	[MP 1.60 - MP 2.27]	3	2 2WL	NO	NO	0.67	18		67	17	17	0.67	34	0.20	10	34	20	0.50	34	0.20	2
		FOR MAP		•	_			1	0.67			67	17	17	0.67	34	0.20	10	34	20	0.50	34	0.20	2
				FROM 0.48 SOUTH OF SR 1306 (POWERS																				
				RD./OLD MILL RD.) TO																				
			SR 1307 (WALLACE AIRPORT	SR 1350 (HENDERSON FIELD ROAD)																				
2021CPT.03.06.20711			ROAD)	[MP 0.67 - MP 1.70]	3	2 2WL	NO	NO	1.03			103	26	26	1.03	52	0.25	10	52	20	0.70	52	0.25	2
	IOIAL	FOR MAP	NO. 11						1.03			103 170	26 43	26 43	1.03 1.70	52 86	0.25 0.45	10 20	52 86	20 40	0.70 1.20	52 86	0.25 0.45	4
TOTAL	FOR PROJ	NO. 2021	CPT.03.06.20711						1.7			170	43	45	1.70	80	0.45	20	80	40	1.20	80	0.45	4
								1		1							II.	I		I.				1
				FROM ONSLOW COUNTY LINETO 3 MILES																				
				SOUTH OF NC 50 AT																				
				SHELTER CREEK QUARRY																				
2021CPT.03.06.10712			NC 53	[MP 0.00 - MP 6.40]	N/A	2 2WL	NO	NO	6.4	24					1									
	TOTAL	FOR MAP	NO. 14	FROM 3 MILES SOUTH OF NC 50 AT	-		-		6.4						-									
				SHELTER CREEK QUARRY TO																				
				SR 1318 (CROOMSBRIDGE RD.)								1			1				1		1			
2021CPT.03.06.10712	2 Pender	15	NC 53	[MP 6.40 - MP 11.27]	N/A	2 2WL	NO	NO	4.87	24		<u> </u>			<u> </u>				<u> </u>		<u> </u>	1	1	
	TOTAL	FOR MAP	NO. 15						4.87															
				FROM SR 1318 (CROOMSBRIDGE RD.) TO																				
2021CPT.03.06.10712		16	NC 53	I-40 [MP 11.27 - MP 16.20]	N/A	2 2WU	NO	NO	4.93						_		ļ					ļ	ļ	
	TOTAL	FOR MAP	NU. 16		1		}	1	4.93						+	-	 		 		 	1	1	
TOTAL	FOR PROJ	NO. 2021	CPT.03.06.10712						16.2	 					1		1		 		 	1	1	
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				FROM SR 1563 (SLOOP POINT LOOP RD.)																				
				TO SR 1762															ĺ					
				(W. WINDWARD LANDING PL.)								1			1				1		1			
2021CPT.03.06.20712			SR 1759 MIDDLE POINT RD.	[MP 0.00 - MP 0.46]	N/A	2 2WL	NO	NO	0.46	22														
	TOTAL	FOR MAP	NO. 18						0.46						ļ									
TOTAL	FOR PROJ	NO. 2021	CPT.03.06.20712					ļ	0.46						_		ļ					ļ	ļ	
				L	<u> </u>		I	1	1			1			1		1	<u> </u>	1	l	1	1	1	1
						1		1	30.84	1 1	1	170	43	43	1.70	86	0.45	20	86	40	1.20	86	0.45	4
	GF	RAND TOTA	AL				†	1	30.04						1 0	- 55	55		1					•
l				1		ı	1		1							l	·	L	L	L	L	L	L	<u> </u>

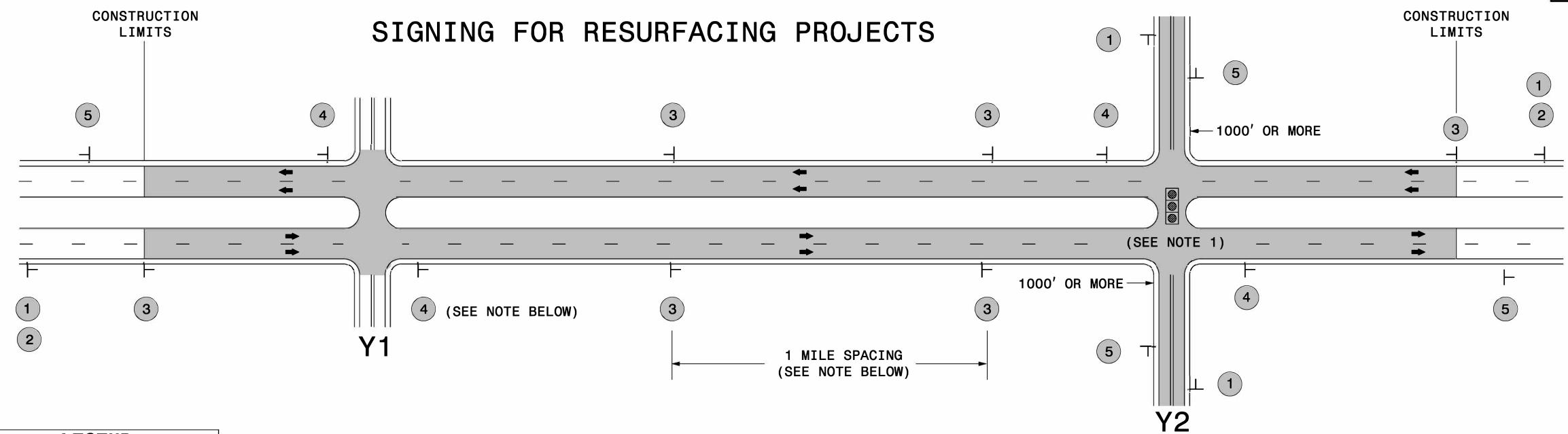
PROJECT NO.	SHEET NO.	TOTAL NO.
1CPT.03.06.10711, 2021CPT.03.06.20	10	
2021CPT.03.06.10712, ETC.		

THERMOPLASTIC AND PAINT QUANTITIES

									4413000000-E	4457000000-N	4510000000-N	46850	100000-E	4695000000-E		0000-F	4720000000				1725000000-	E			481000	0000-F	4891000000-E	4900000000-N	490500	00000-N
PROJECT NO	COUNTY M	AP		DESCRIPTION	TYP LAI	NES LAN	LENGT		WORK ZONE	TEMPORARY	LAW	4" X 90 M	4" X 90 M				THERMO		THERMO LT	T THERMO STR			THERMO	24" YIELD		4" YELLOW	24" X 90 M	YELLOW &	SNOW	SNOW
		О			NO	TYP			ADVANCE/GE	TRAFFIC	ENFORCEMEN	WHITE	YELLOW	WHITE	WHITE					& LT ARROW		TURN	STR & RT	LINE	PAINT	PAINT		YELLOW MARKERS	PLOWABLE	PLOWABLE
									NERAL	CONTROL	T	THERMO	THERMO	THERMO		THERMO		90 M	90 M	90 M	90 M		ARROW 90						MARKERS	MARKERS
									WARNING													м	М	(90 MIL)					(C/R)	(Y/Y)
									SIGNING																					
		RO	UTE				MI	FT	SF	LS	HR	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	LF	LF	LF	EA	EA	EA
				FROM 0.1 MILES NORTH OF SR 1563	3																									
				(SLOOP POINT LOOP RD.) TO 0.13																										
				MILES SOUTH OF NC 210																										
2021CPT.03.06.10711			NORTH	[MP 9.61 - MP 13.48]	1 2	2 MD			448		125	31,425	20,600	340	20			44	24	4	14	3	2	12				30	473	
TOT	AL FOR MAP N	0. 1					3.87		448		125	31,425	20,600	340	20			44	24	4	14	3	2	12				30	473	
				FROM .13 MILES SOUTH OF NC 210						*																				
				TO 0.10 MILES NORTH OF SR 1563						•																				
				(SLOOP POINT LOOP RD.)		_	_														_	_								
2021CPT.03.06.10711			SOUTH	[MP 2.48 - MP 6.17]	1 2	2 2WI			416		125	29,645	20,040	485	20			45	33	4	9	3		12				16	473	
TOTA	AL FOR MAP N	0. 2		50014 US 447 TO NG 400			3.69		416		125	29,645	20,040	485	20			45	33	4	9	3		12				16	473	
2021 CDT 02 0C 10711	Dandas		210	FROM US 117 TO NC 133	2	2 2WI	U 4.92	23	560			59.555	23.855			250	12		10		-						92		41	382
2021CPT.03.06.10711	AL FOR MAP N		210	[MP 28.83 - MP 33.75]		2 ZWI	4.92 4.92		560 560				23,855 23,855		-	250 250	12	4	10	1	5	1	3	-			92		41	382 382
101	AL FUR IVIAP N	U. 3			+ +					*	1	59,555			 					1		1		1						
TOTAL FOR PR	OJ NO. 2021CP	T.03.06.1071	1				12.48	1	1,424	*	250	120,625	64,495	825	40	250	12	93	67	8	28	6	5	24			92	46	987	382
							1					185	5,120		29	90		1			231						1		1,3	369
			- 1	FROM A OF MORTH OF ST.									1	1																
				FROM 0.35 NORTH OF SR 1307	. [
		50 4005	(DOLL/EDG	(WALLACE AIRPORT ROAD) TO 0.27																										
			(POWERS	SOUTH OF SR 1307																										
2024 CDT 02 0C 20744	Daniel 1		OLD MILL (AD)	(WALLACE AIRPORT ROAD) [MP 1.60 - MP 2.27]	3 2	2 2WI	U 0.67	18	00																14,418	8,844		43		
2021CPT.03.06.20711	Pender 1		IAU)	[IVIP 1.00 - IVIP 2.27]	3 4	2 2000	0.67		80 80	*															14,418	8,844		43		
TOTA	L FOR WAP NO	J. 10		FROM 0.48 SOUTH OF SR 1306		_	0.67		80																14,418	8,844		43		
		CD.	1307	(POWERS RD./OLD MILL RD.) TO																										
			LLACE	SR 1350 (HENDERSON FIELD ROAD)																										
2021CPT.03.06.20711	Pender 1	.1 AIRPOR		[MP 0.67 - MP 1.70]		2 2WI	U 1.03	20	128																21,520	13,200		66		
	L FOR MAP NO		ii NOAD)	[1411 0.07 - 1411 1.70]		2 2000	1.03		128																21,520	13,200		66		
10		,,,,,								*																				
TOTAL FOR PR	OJ NO. 2021CP	T.03.06.2071	1				1.7		208	-															35,938	22,044		109		
																		1							57,	982	1			
				FROM ONSLOW COUNTY LINETO 3			1						1		ı		1			1 1		1								
				MILES SOUTH OF NC 50 AT																										
				SHELTER CREEK QUARRY																										
2021CPT.03.06.10712	Pender 1	4 NO	53	[MP 0.00 - MP 6.40]	N/A	2 2WI	U 6.4	24	24																					
	L FOR MAP NO			[6.4		24																					
		İ		FROM 3 MILES SOUTH OF NC 50 AT	- 1		1																	†						
				SHELTER CREEK QUARRY TO						*																				
				SR 1318 (CROOMSBRIDGE RD.)																										
2021CPT.03.06.10712	Pender 1	.5 NO	53	[MP 6.40 - MP 11.27]	N/A	2 2WI	U 4.87	24																						
	L FOR MAP NO	D. 15					4.87																							
				FROM SR 1318 (CROOMSBRIDGE RD.									1				1					1				1				1
2021CPT.03.06.10712			53	TO I-40 [MP 11.27 - MP 16.20]	N/A	2 2WI			24																					
TOTA	L FOR MAP NO	0. 16					4.93		24																					
TOTAL FOR PR	NO 2021C	T 02 06 1071	,				16.2		48	*																				
TOTAL FUR PRO	JJ 140. 2021CP	1.03.00.10/1	•														1													
								•							•		•										•			
				FROM SR 1563 (SLOOP POINT LOOP)																									
1				RD.) TO SR 1762																										
1			MIDDLE	(W. WINDWARD LANDING PL.)																										
2021CPT.03.06.20712	Pender 1	.8 POIN	IT RD.	[MP 0.00 - MP 0.46]	N/A	2 2WI	U 0.46	22		*																				
TOTA	L FOR MAP NO	D. 18					0.46			*																				
					1 -		0.46								l	1	1	1	-			1		 						
TOTAL FOR PR	OJ NO. 2021CP	T.03.06.2071	2				0.40	1					1			1	1	1	1	1	1	1	1	1		1	—			1
					1 1		1	1				1		1				1							1			1		
							30.84		1,680	1	250	120,625	64,495	825	40	250	12	93	67	8	28	6	5	24	35,938	22,044	92	155	987	382
'	GRAND TOTAL		ľ										5,120			90			•		231	•	•	•		982				369
1																														

 PROJ. REFERENCE NO.
 SHEET NO.

 2021CPT.03.06.10711,Etc.
 TCP-1



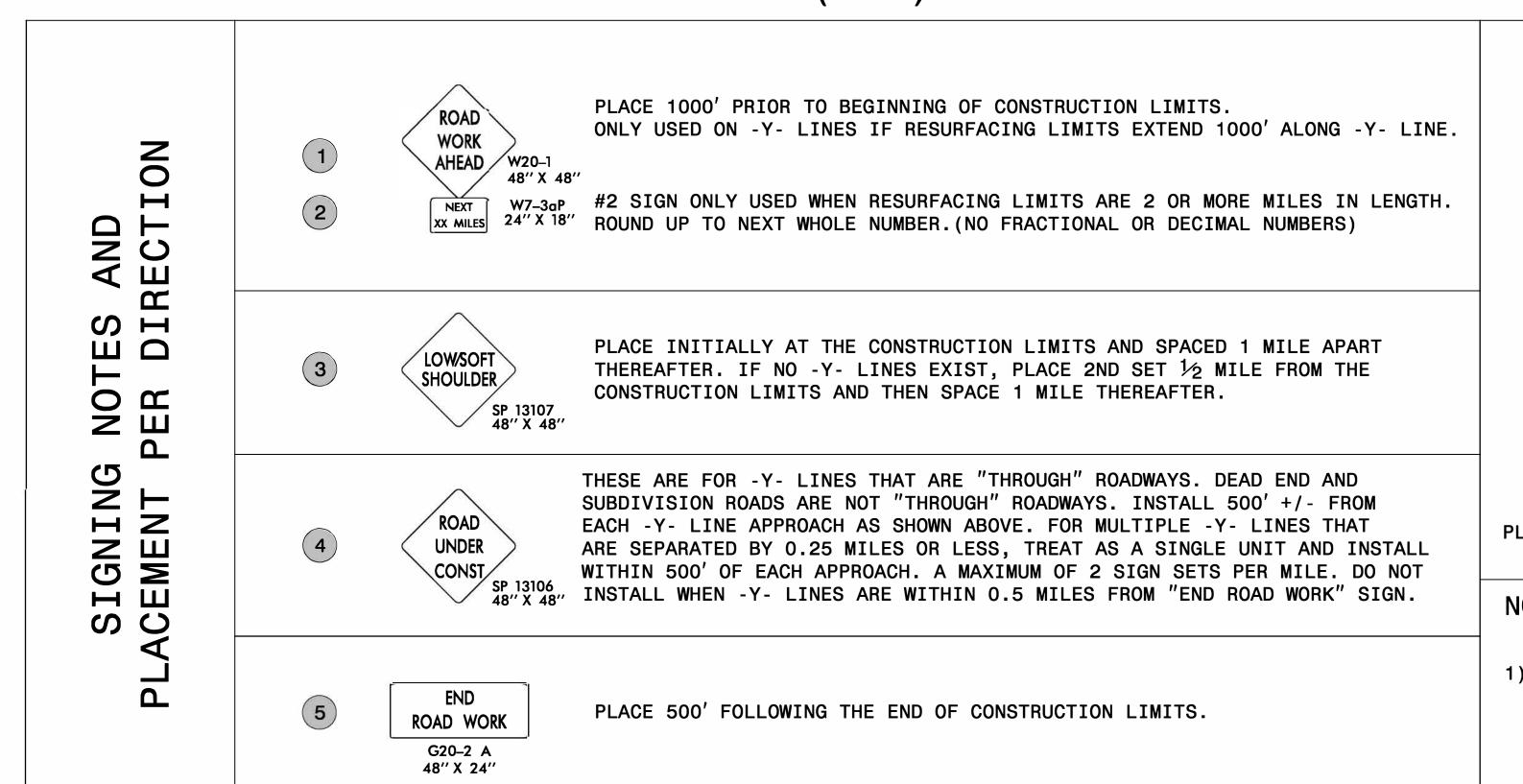
LEGEND

├─ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW

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
- 2) SUBDIVISION ROADS
- 3) DEAD END ROADS

WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE

-Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.

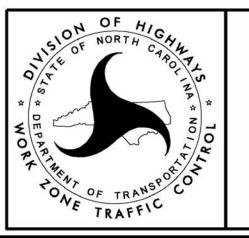




PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.

NOTES:

1) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.



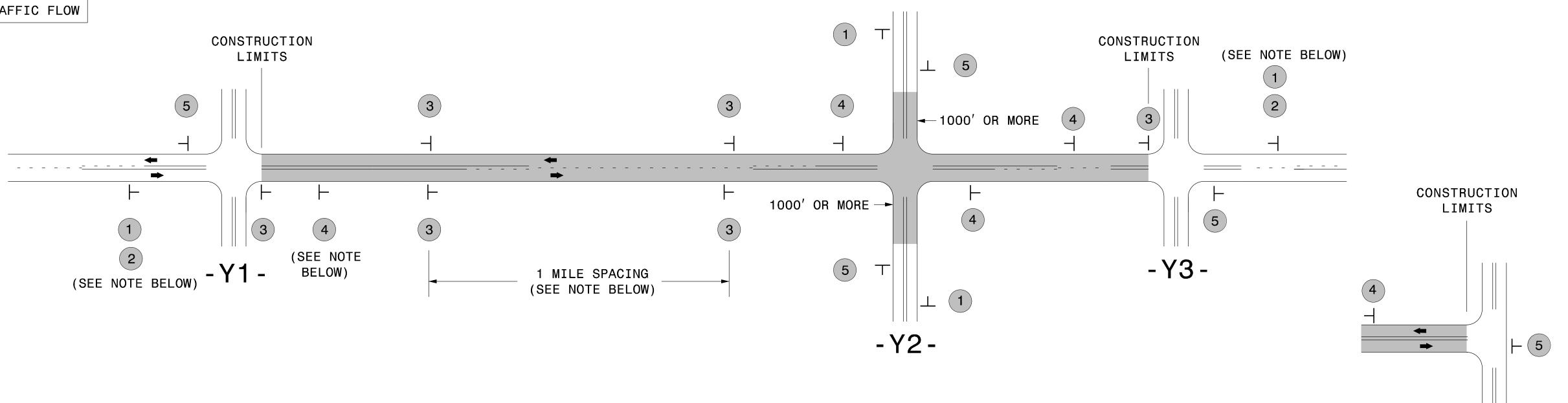
RESURFACING
ADVANCE WARNING SIGNS
FOR RURAL AND SUBURBAN
MULTI-LANE ROADWAYS
W/ SHOULDER SECTIONS

PROJ. REFERENCE NO. SHEET NO. 2021CPT.03.06.10711,Etc. TCP-2

SIGNING FOR RESURFACING PROJECTS

LEGEND ├ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW

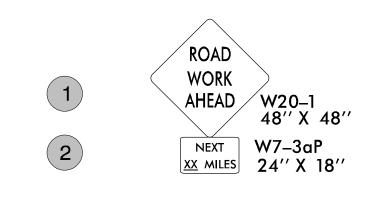


MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

IGNING NOTES AND EMENT PER DIRECTION

SO



PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS.
ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.

#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)



- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER.
- AT TEE INTERSECTIONS INSTALL INITIALLY ½ MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.
- ROAD UNDER CONST SP 13106 48" X 48"
- 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.

END ROAD WORK G20-2 A 48" X 24"

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.

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

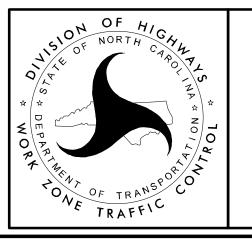
WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.



PLACED 500' IN ADVANCE OF FLAGGER.



PLACED 250' IN ADVANCE OF FLAGGER.

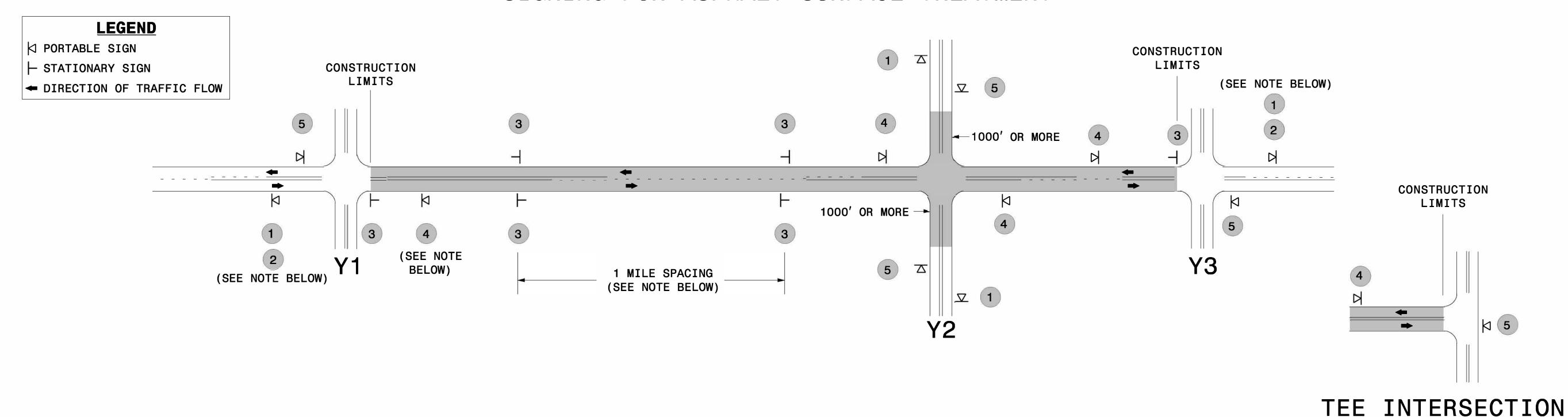


ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2-LANE ROADWAY
RESURFACING

TEE INTERSECTION

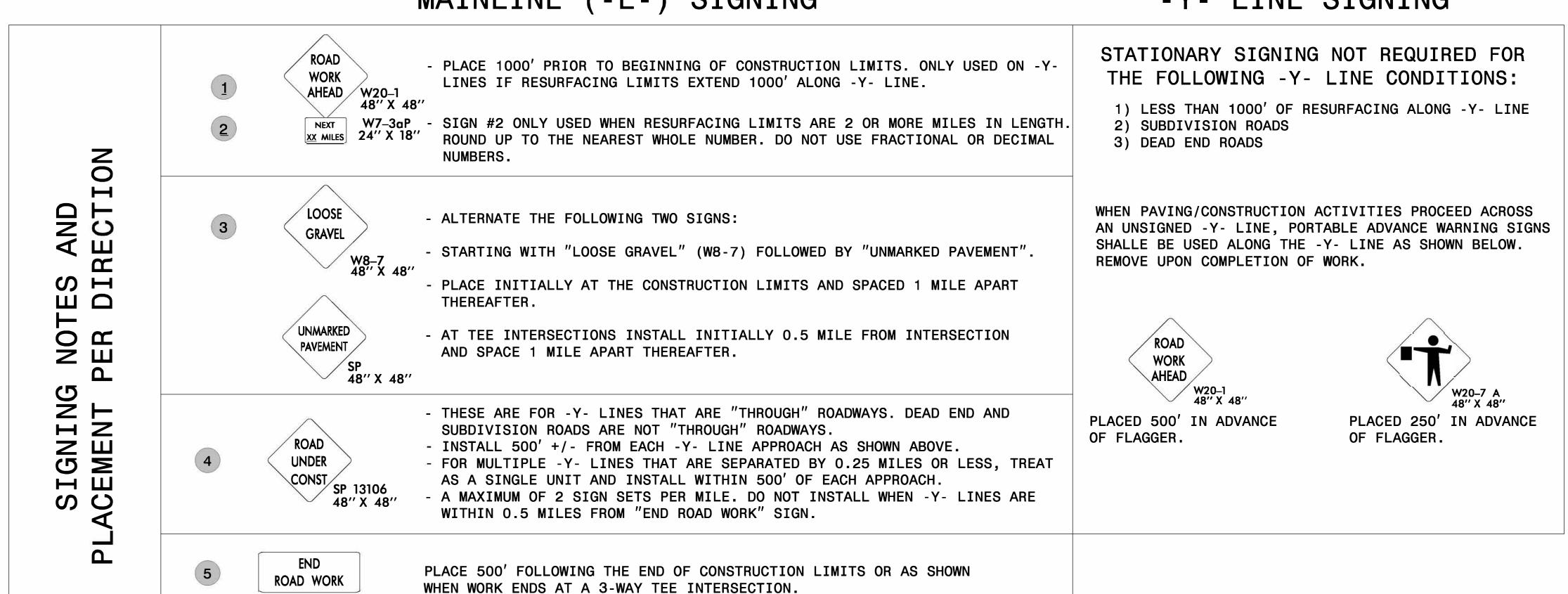
PROJ. REFERENCE NO. 2021CPT.03.06.10711,Etc. TCP-3

SIGNING FOR ASPHALT SURFACE TREATMENT



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING





ADVANCE WARNING SIGNS FOR 2-LANE ROADWAY ASPHALT SURFACE TREATMENT

MAPS LESS THAN 2 MILES G20-2 A 48" X 24"

START OF CONTRACT WORK.

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.

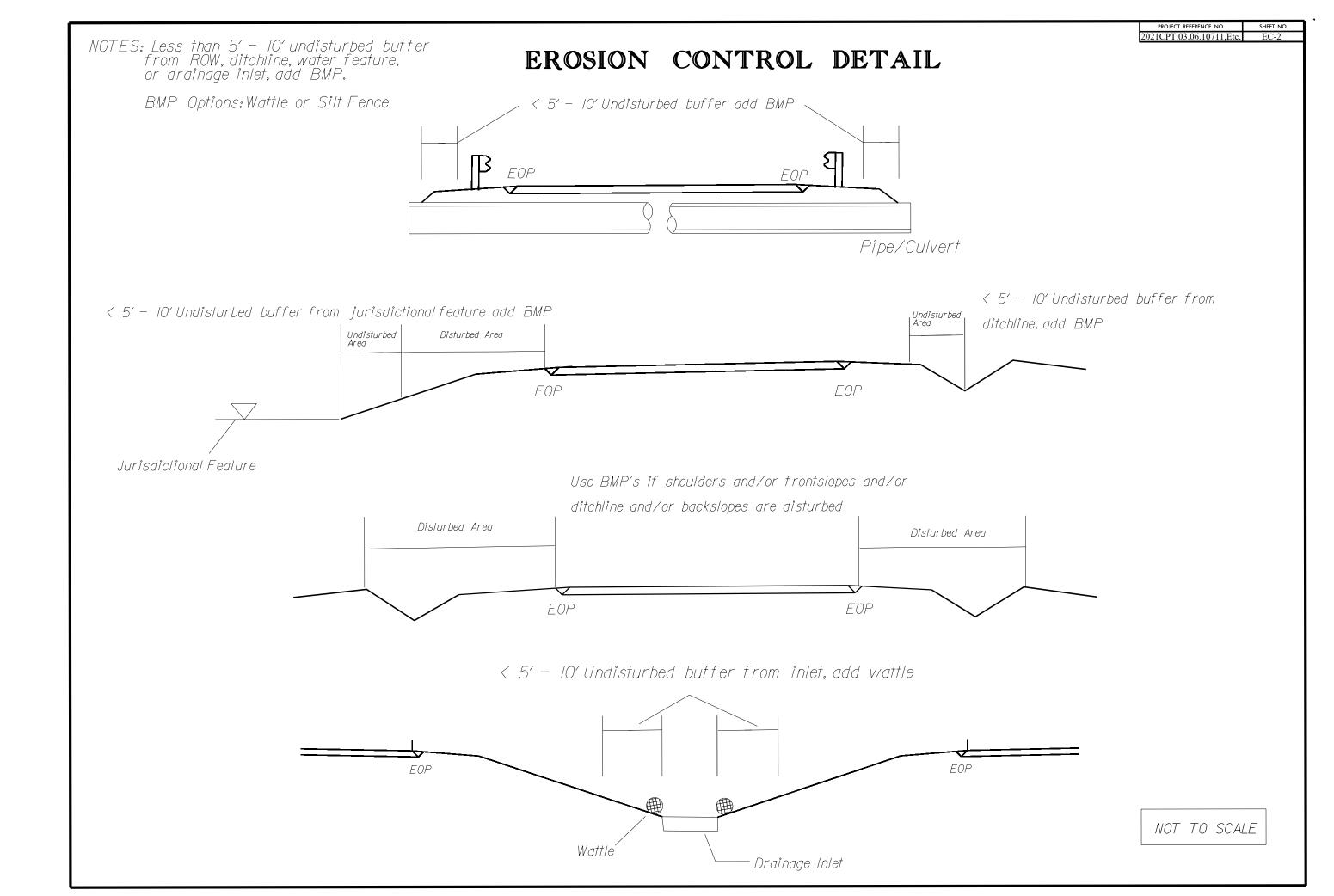
THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE

PROJECT REFERENCE NO. SHEET NO. 2021CPT.03.06.10711,Etc. EC-1

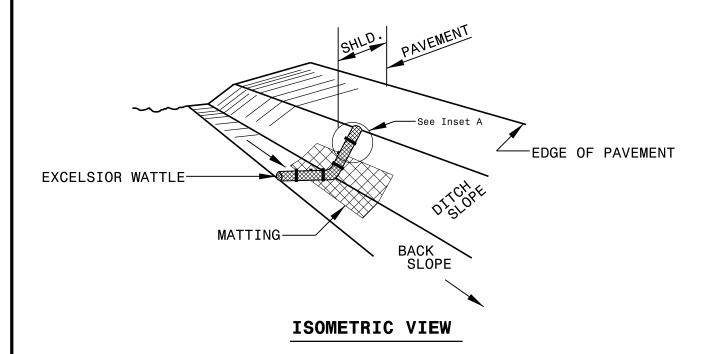
DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

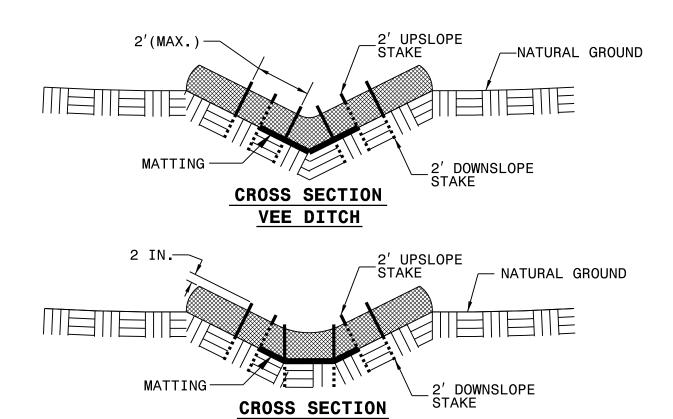
SOIL STABILIZATION TIMEFRAMES

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	I4 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 HOW ZONES.



WATTLE DETAIL





TRAPEZOIDAL DITCH

NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

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

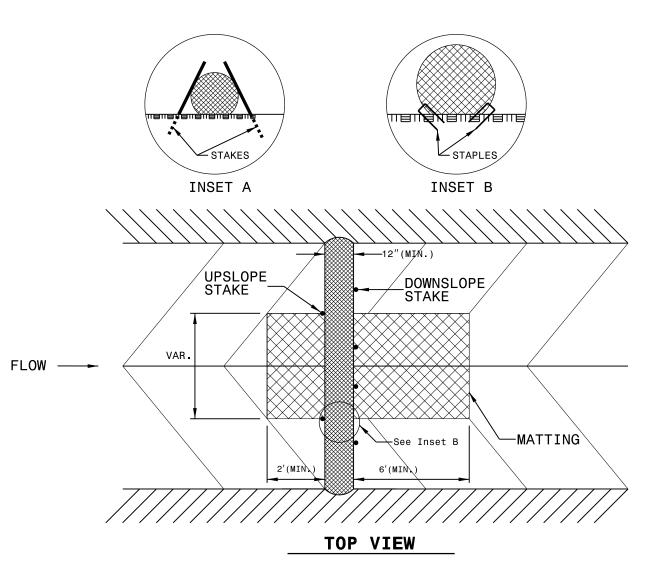
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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.



3/2015 Resurfacing\Pender County\Plan Sheets\3CR.20711.173_ EC RESURF_2 3/4450