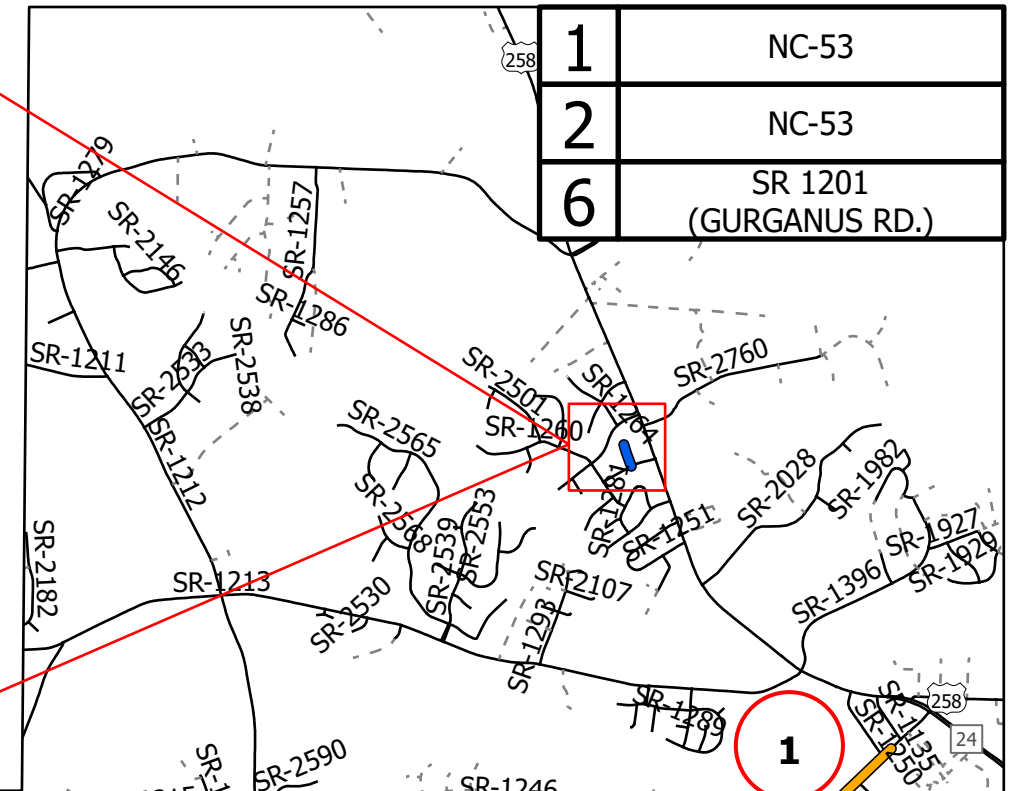
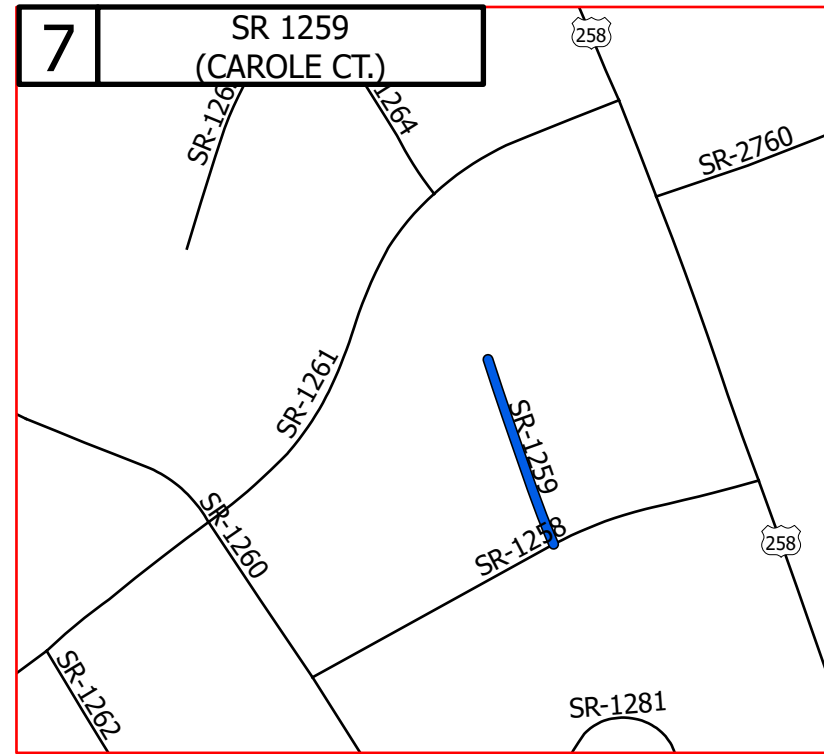
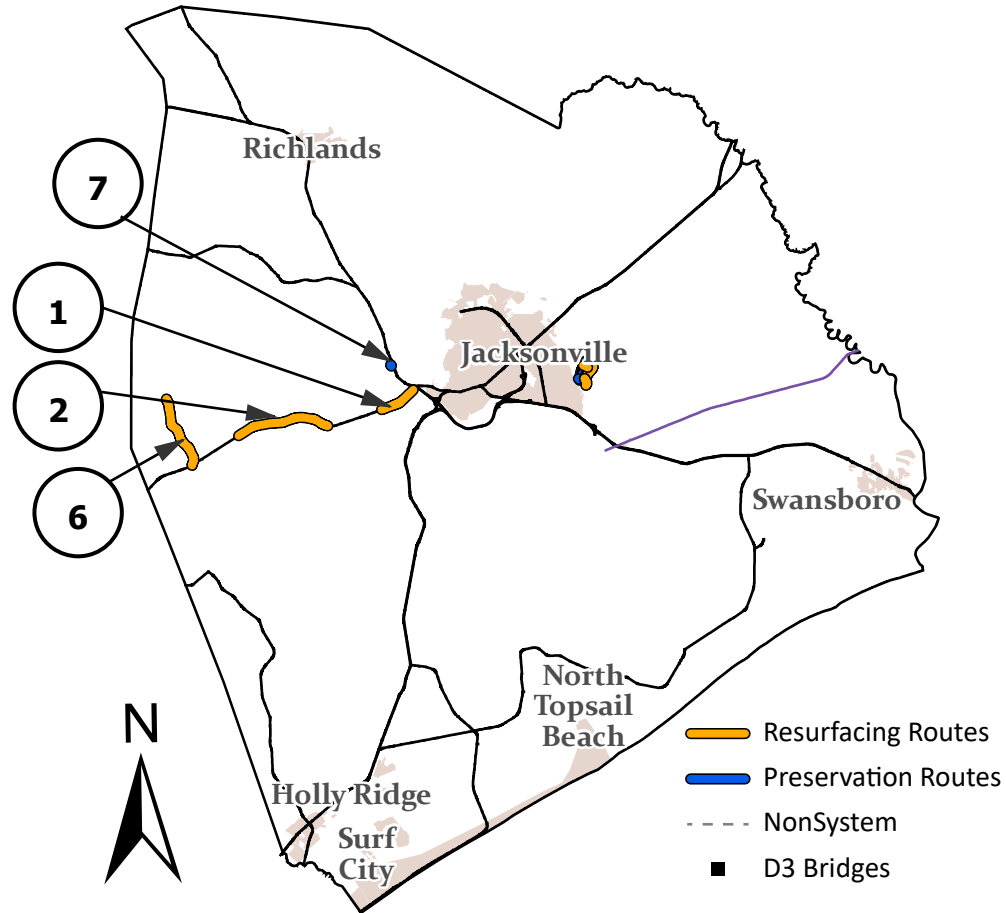
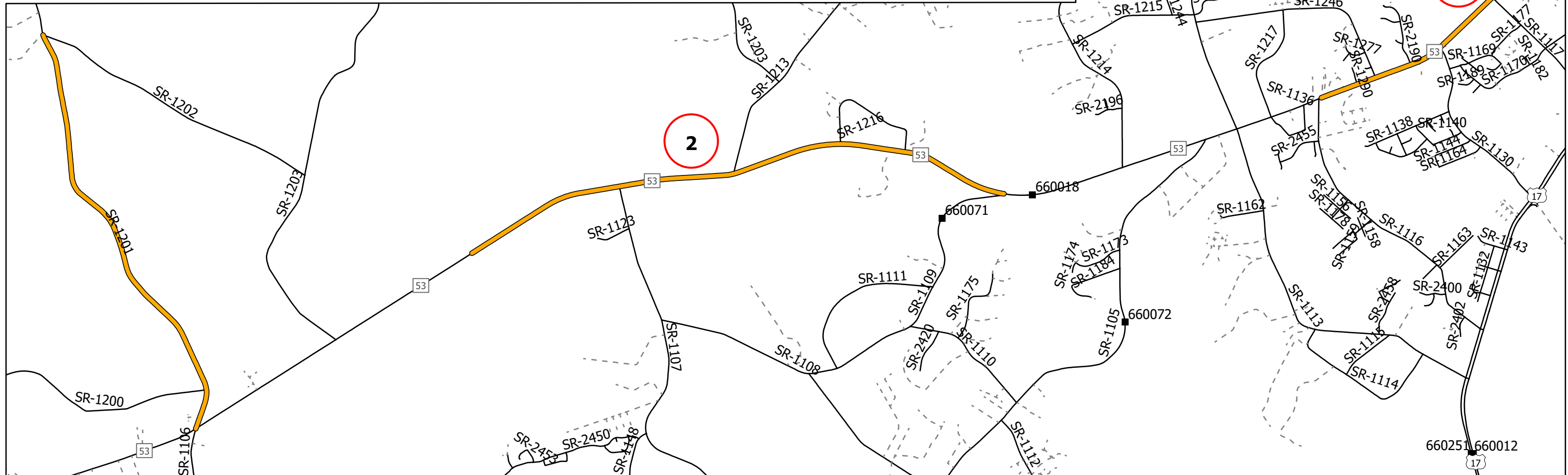


ONSLOW 1-2, 6-7

PROJECT REFERENCE NO.	SHEET NO.
2023CPT.03.13.10671, ETC.	1

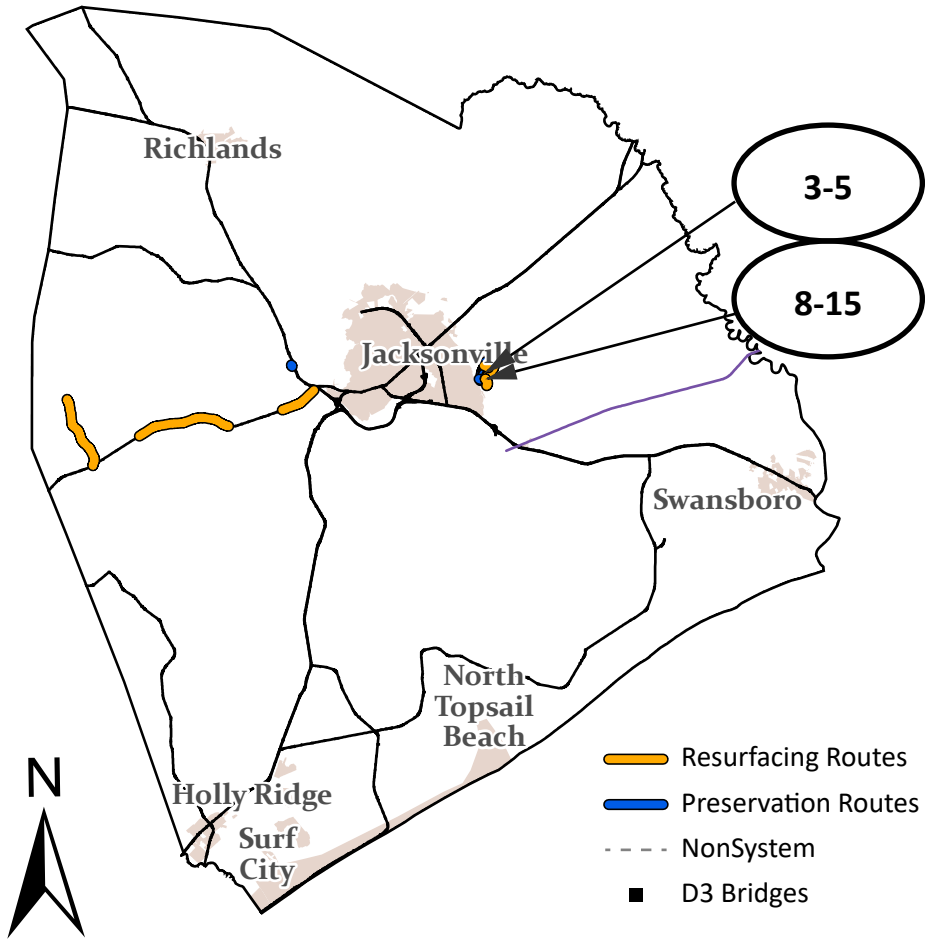


1	NC-53
2	NC-53
6	SR 1201 (GURGANUS RD.)

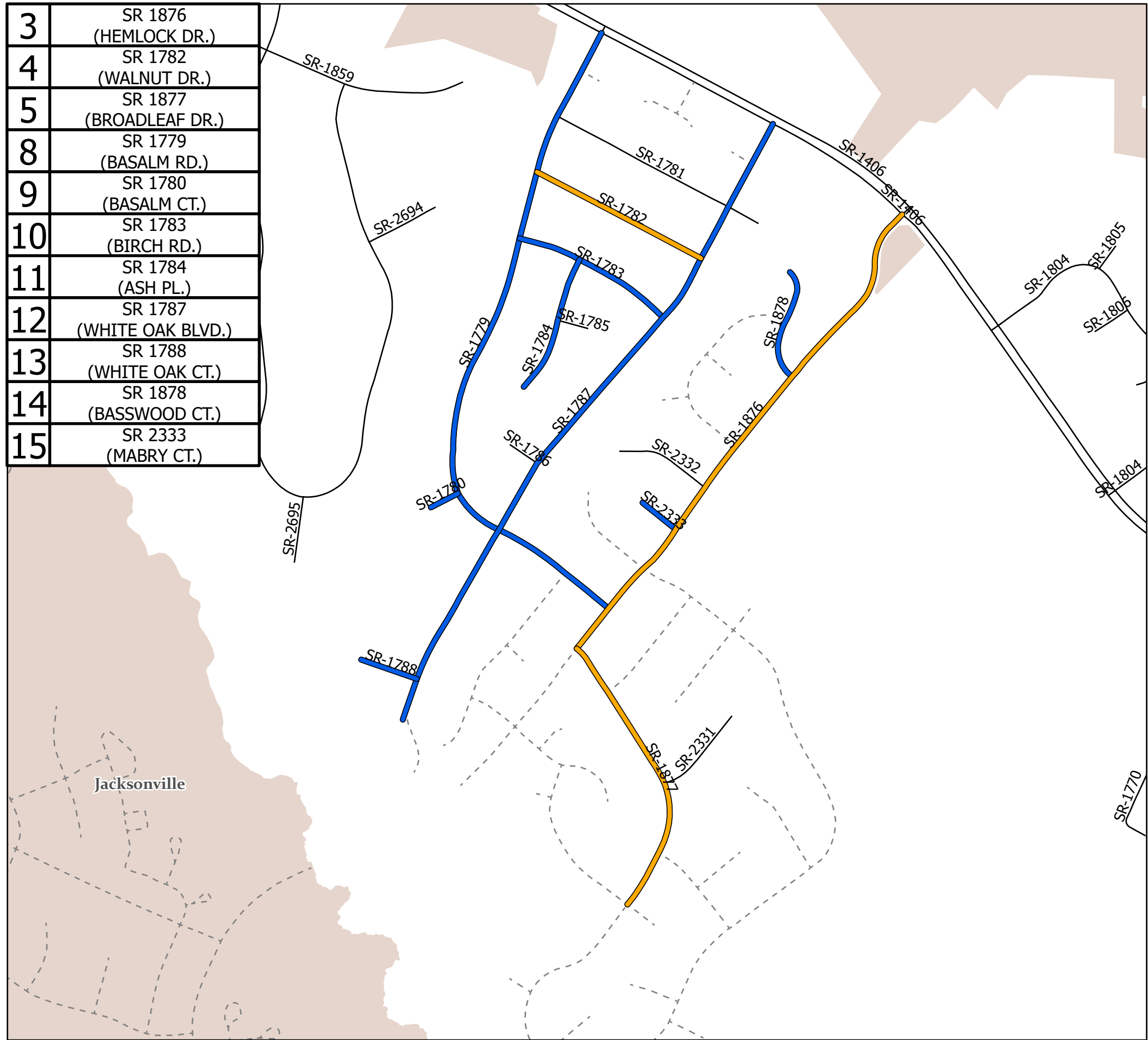


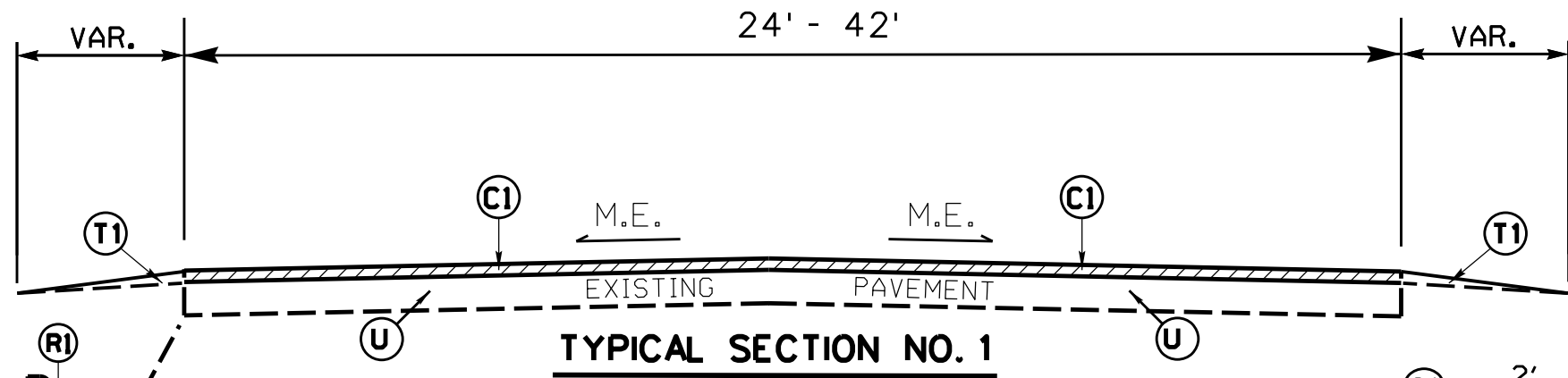
ONSLOW 3-5, 8-15

PROJECT REFERENCE NO.	SHEET NO.
2023CPT.03.13.10671, ETC.	2



3	SR 1876 (HEMLOCK DR.)
4	SR 1782 (WALNUT DR.)
5	SR 1877 (BROADLEAF DR.)
8	SR 1779 (BASALM RD.)
9	SR 1780 (BASALM CT.)
10	SR 1783 (BIRCH RD.)
11	SR 1784 (ASH PL.)
12	SR 1787 (WHITE OAK BLVD.)
13	SR 1788 (WHITE OAK CT.)
14	SR 1878 (BASSWOOD CT.)
15	SR 2333 (MABRY CT.)

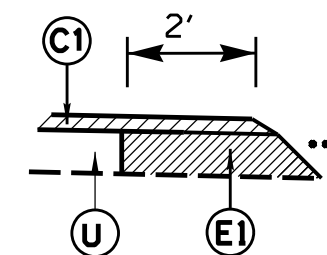




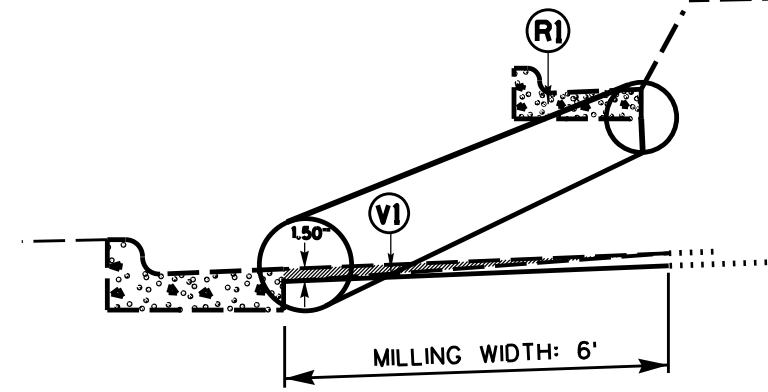
MAP NO. 1
NC 53 (BURGAW HWY.)
MP 12.72 - MP 14.26

MAP NO. 2
NC 53 (BURGAW HWY.)
MP 16.71 - MP 20.50

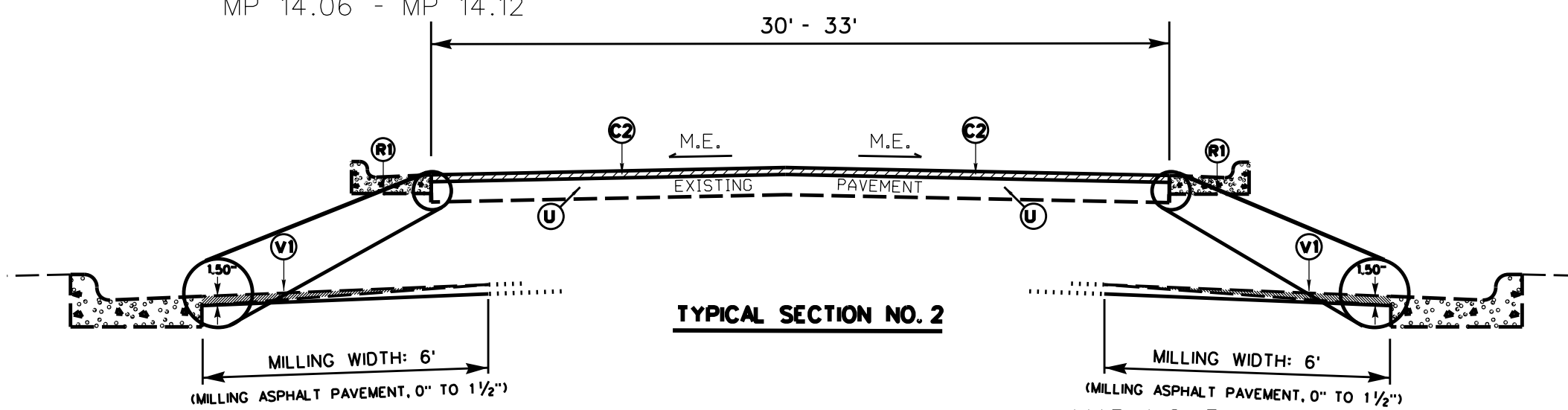
V2 FRIS MILL 1 1/2"
MP 19.11 - MP 19.14



MAP 1, 2 - NC 53 (BURGAW HWY.) SHORT OVERLAYS, 2' ASYMETRIC, & SPIRAL WIDENING
NOTE: STATE FORCES WILL MARK SHORT OVERLAYS, 2' ASYMETRIC, & SPIRAL WIDENING LOCATIONS



(MILLING ASPHALT PAVEMENT, 0" TO 1 1/2")
V1 MAP NO. 1 ONLY
MP 14.06 - MP 14.12



MAP NO. 3
SR 1876 (HEMLOCK DR.)
MP 0.00 - MP 0.64

MAP NO. 4
SR 1782 (WALNUT DR.)
MP 0.00 - MP 0.21

MAP NO. 5
SR 1877 (BROADLEAF DR.)
MP 0.00 - MP 0.33

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1 1/2" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
C2	PROP. APPROX. 1 1/2" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
C3	PROP. APPROX. 1" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S4.75A, AT AN AVERAGE RATE OF 110 LBS. PER SQ.YD.
E1	PROP. APPROX. 5" DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ.YD.
R1	EXISTING 2'-6" CURB & GUTTER
T1	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
U	EXISTING PAVEMENT
V1	VARIABLE MILLING, 0" - 1/2" DEPTH
V2	MILLING ASPHALT PAVEMENT, 1 1/2" DEPTH

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

SHOULDER WORK ON MAP NO. 1, 2, & 5 AS NEEDED, TO BE DETERMINED BY ENGINEER.

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

2018 ROADWAY ENGLISH STANDARD DRAWINGS REV. EFF. 01-16-2018

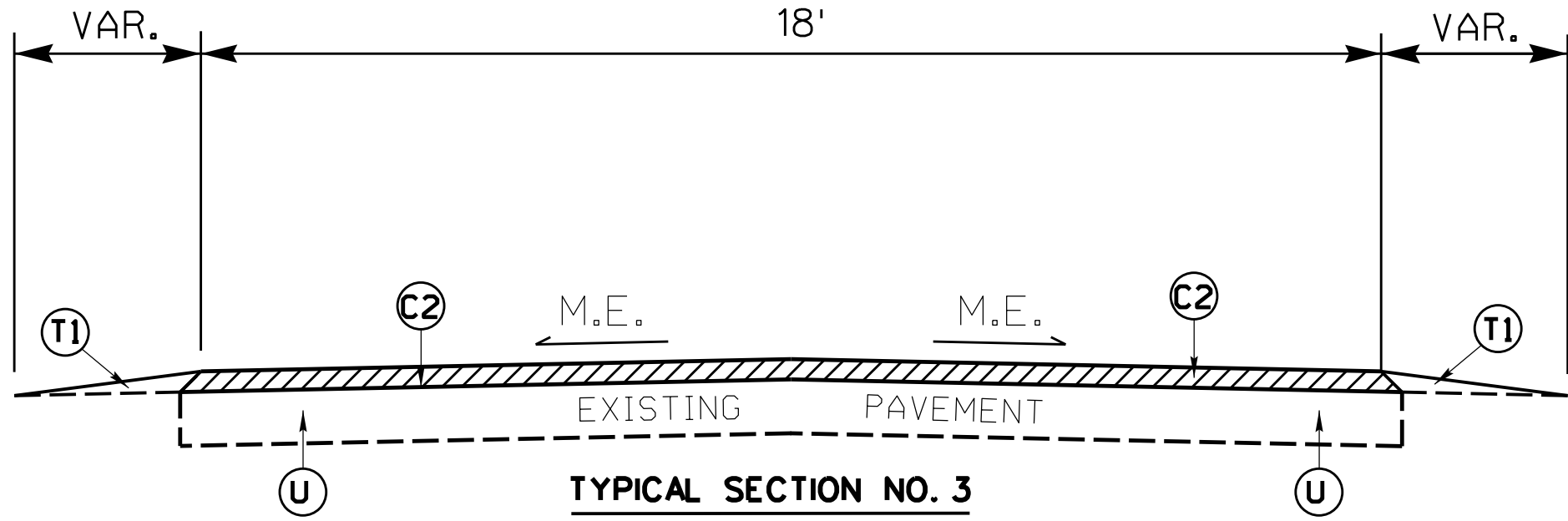
The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N.C. Department of Transportation - Raleigh, N.C., Dated January, 2018 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO.	TITLE
DIVISION 8 - INCIDENTALS	
846.01	Concrete Curb, Gutter and Curb & Gutter
848.01	Concrete Sidewalk
848.05	Curb Ramp - Proposed Curb & Gutter
848.06	Curb Ramp - Existing Curb & Gutter
862.01	Guardrail Placement
862.02	Guardrail Installation
DIVISION 12 - PVT MARKING, MARKERS AND DELINEATION	
1205.08	Pavement Markings - Symbols & Word Messages

REVISIONS

8/17/99

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DESIGN\$\$\$\$\$
\$\$\$\$\$USERNAME\$\$\$\$\$

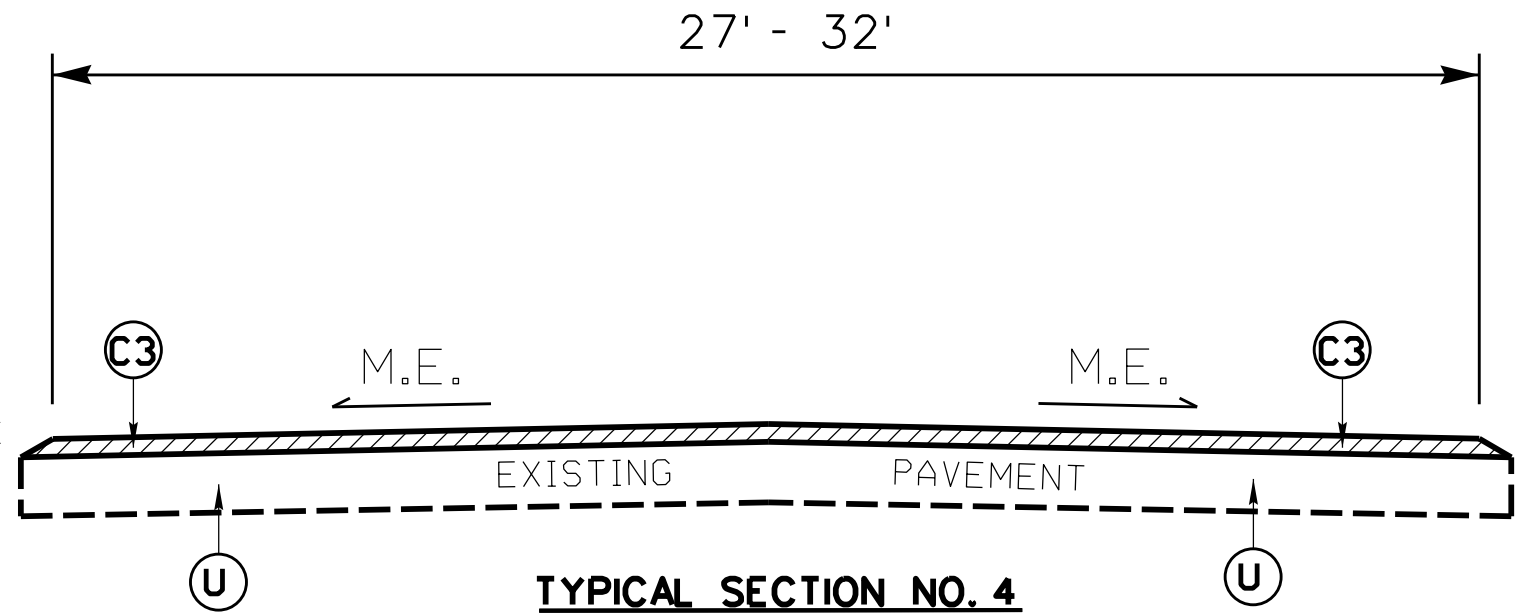


TYPICAL SECTION NO. 3

MAP NO. 6
SR 1201 (GURGANUS RD.)
MP 0.00 - MP 3.11

PAVEMENT SCHEDULE	
C2	1.5" S9.5B
C3	1" S4.75A
T1	SHOULDER RECONST.
U	EXISTING PAVEMENT

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



TYPICAL SECTION NO. 4

NO SHOULDER WORK

NO SHOULDER WORK

MAP NO. 7
SR 1259 (CAROLE CT.)
MP 0.00 - MP 0.08

MAP NO. 8
SR 1779 (BALSAM RD.)
MP 0.00 - MP 0.78

MAP NO. 9
SR 1780 (BALSAM CT.)
MP 0.00 - MP 0.04

MAP NO. 10
SR 1783 (BIRCH RD.)
MP 0.00 - MP 0.19

MAP NO. 11
SR 1784 (ASH PL.)
MP 0.00 - MP 0.16

MAP NO. 12
SR 1787 (WHITE OAK BLVD.)
MP 0.00 - MP 0.81

MAP NO. 13
SR 1788 (WHITE OAK CT.)
MP 0.00 - MP 0.07

MAP NO. 14
SR 1878 (BASSWOOD CT.)
MP 0.00 - MP 0.13

MAP NO. 15
SR 2333 (MABRY CT.)
MP 0.00 - MP 0.04

REVISIONS

8/17/99

SYSTEMS DESIGN

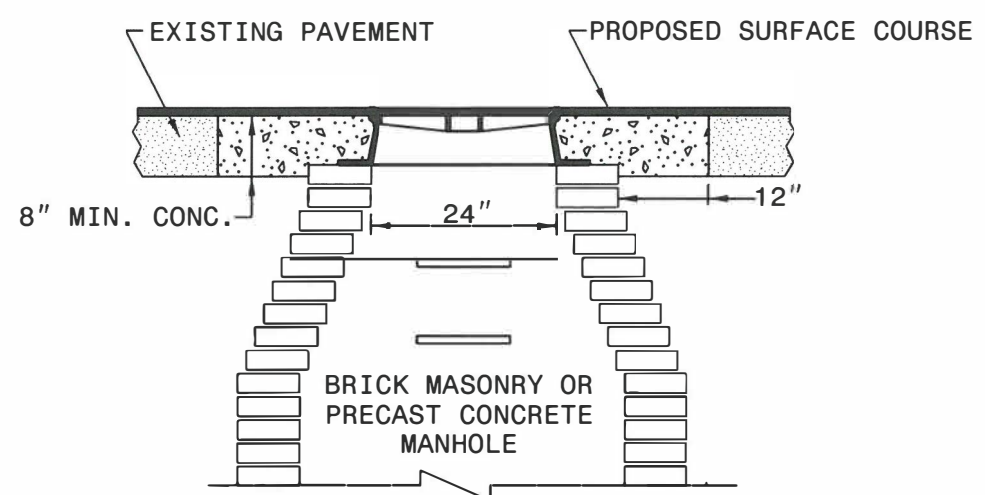
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
MANHOLE AND VALVE BOX ADJUSTMENTS

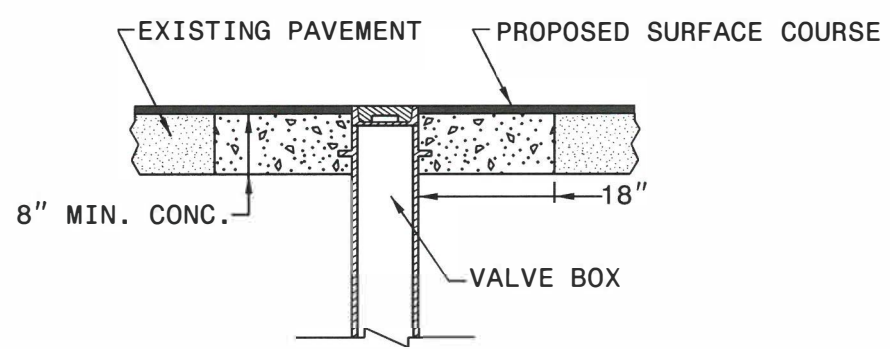
SHEET 1 OF 1
840D55

GENERAL NOTES:

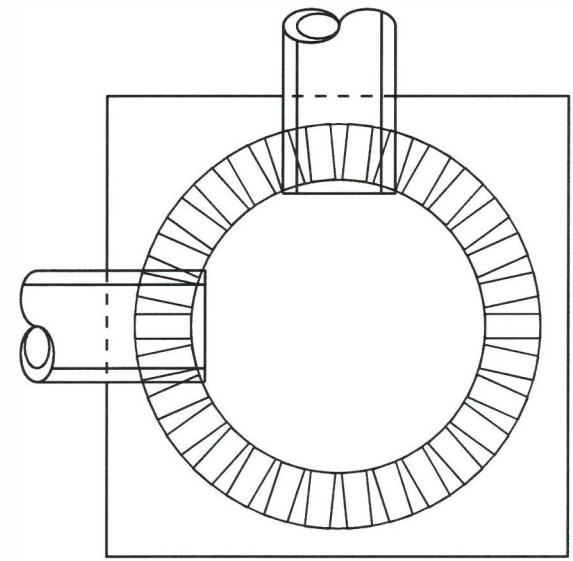
1. USE RAPID SET GROUT, MORTAR, OR CONCRETE THAT WILL TAKE FULL SET AND BECOME LOAD BEARING WITHIN SIXTY MINUTES OF PLACEMENT WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
2. REMOVE ALL FAULTY EXISTING BRICKWORK AND REPLACE WITH NEW BRICK MASONRY.
3. SHEER CUT EXCAVATION FOR THE ADJUSTMENT ON ALL SIDES.
4. FILL AREA BELOW 8" DEPTH WITH 78M OR NO. 57 CLEAN STONE.
5. MIX MORTAR TO NCDOT SPECIFICATIONS.
6. MORTAR JOINTS $\frac{1}{2}$ " \pm $\frac{1}{8}$ "
7. CONSTRUCT AN ASPHALT RAMP IN ACCORDANCE WITH SECTION 858-3 OF THE 2018 STANDARD SPECIFICATIONS.



MANHOLE CONCRETE ENCASEMENT



VALVE BOX CONCRETE ENCASEMENT



ELEVATION VIEW

PLACE BRICK ACCORDING TO ELEVATION VIEW

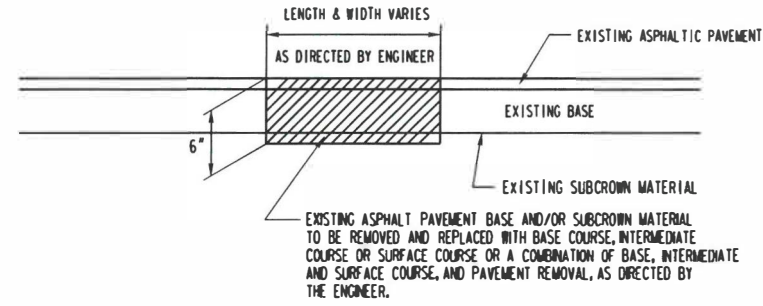
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
MANHOLE AND VALVE BOX ADJUSTMENTS

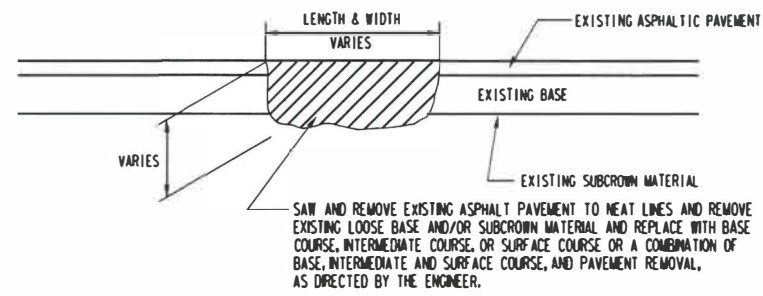
SHEET 1 OF 1
840D55

28-NOV-2017 10:49
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 8/17/99
 REVISIONS
 2000\CADD_Specs_Dwg\Tacticals_Curb_Etc.dwg

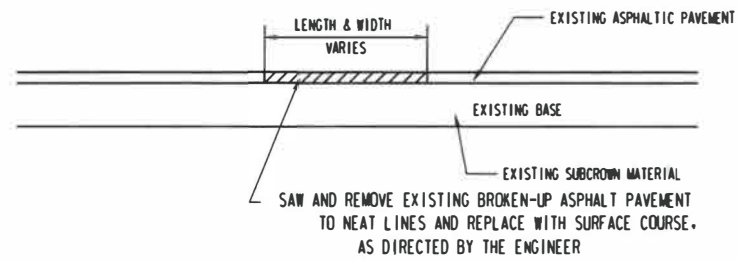
DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



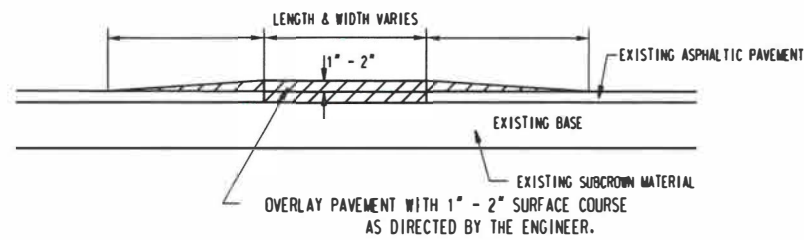
DETAIL NO. 1



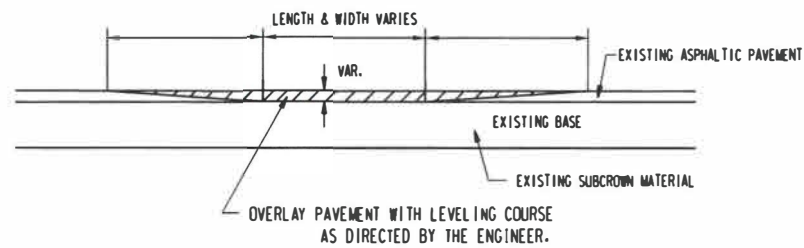
DETAIL NO. 2



DETAIL NO. 3



DETAIL NO. 4

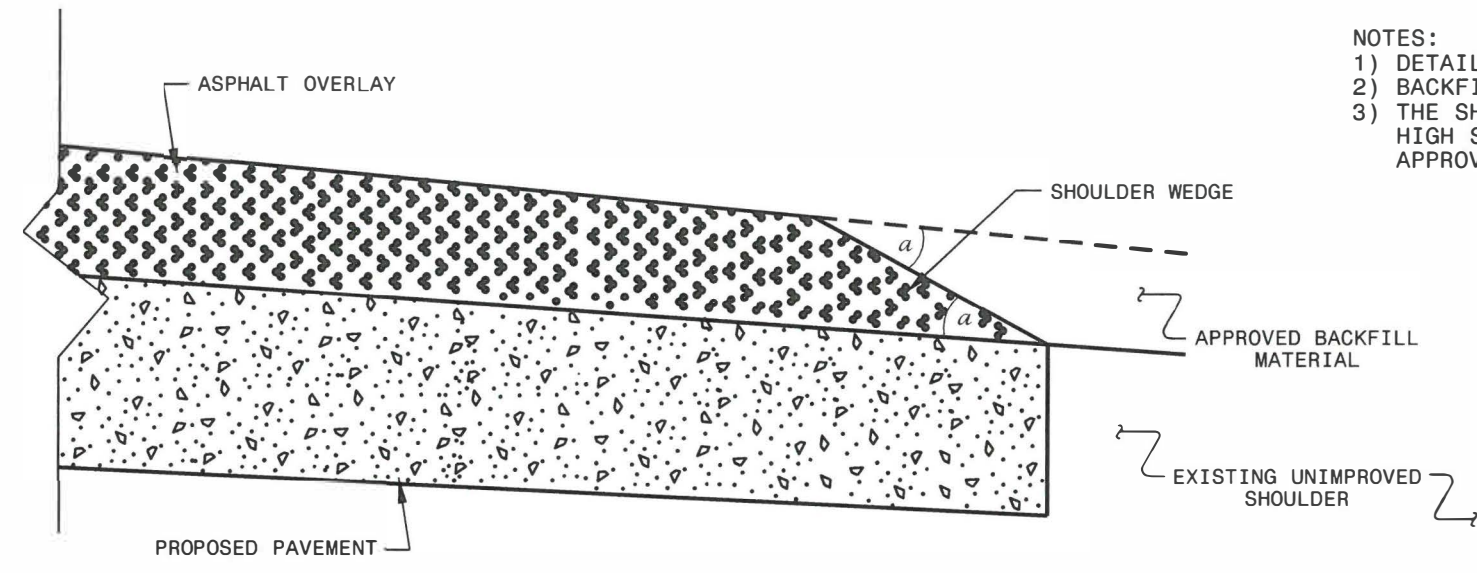


DETAIL NO. 5

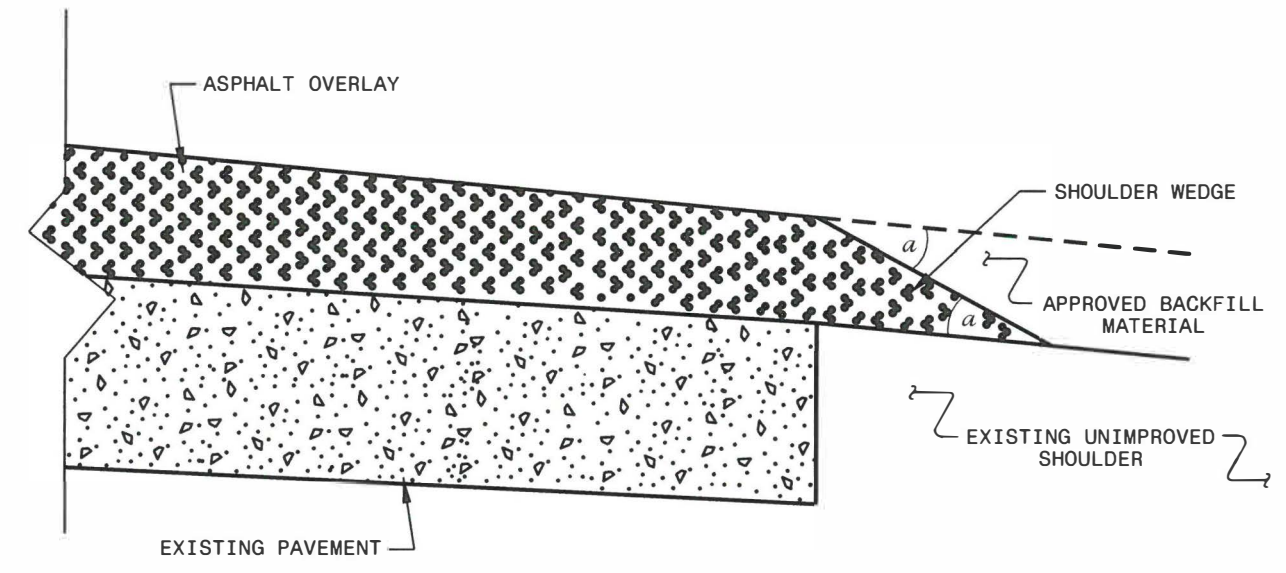
REVISIONS

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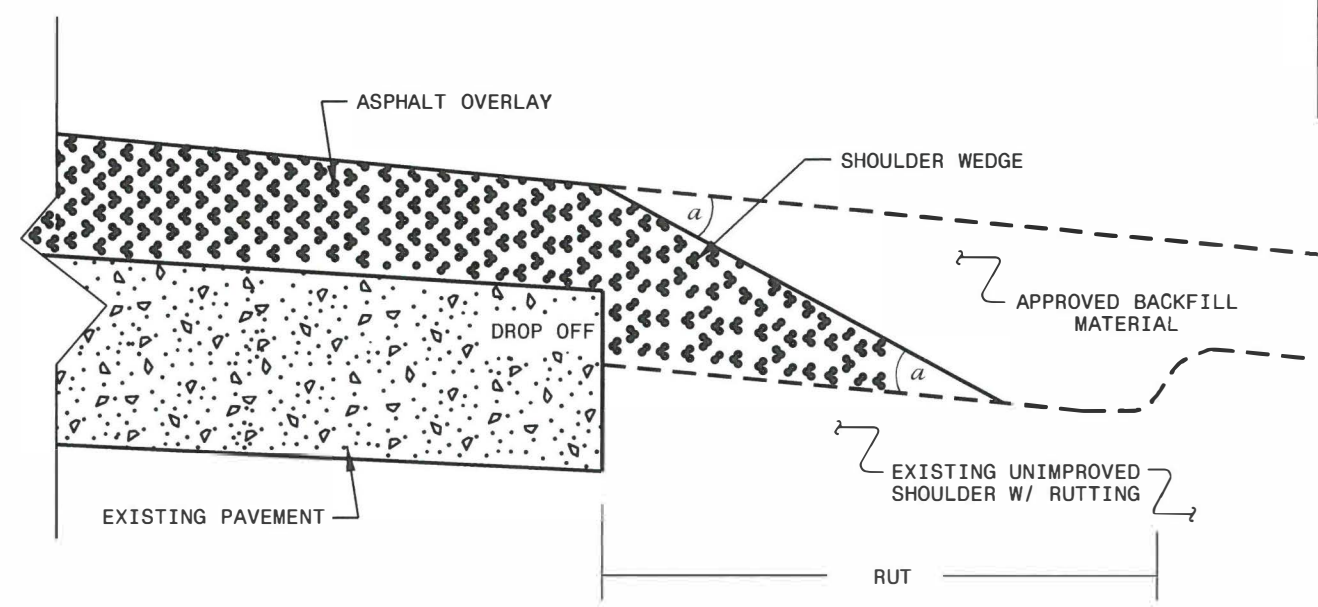
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFc AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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

27-JUN-2018 13:52
 S:\Contracts\2018\Resurfacing Projects\Division 3\Sampson August 2018\Revised Shoulder Wedge Detail.dgn
 P:\porter AT CSD-232592

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

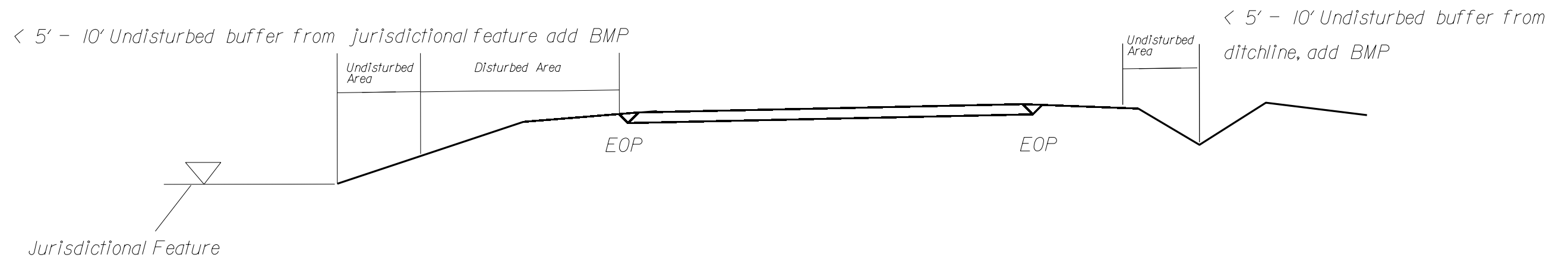
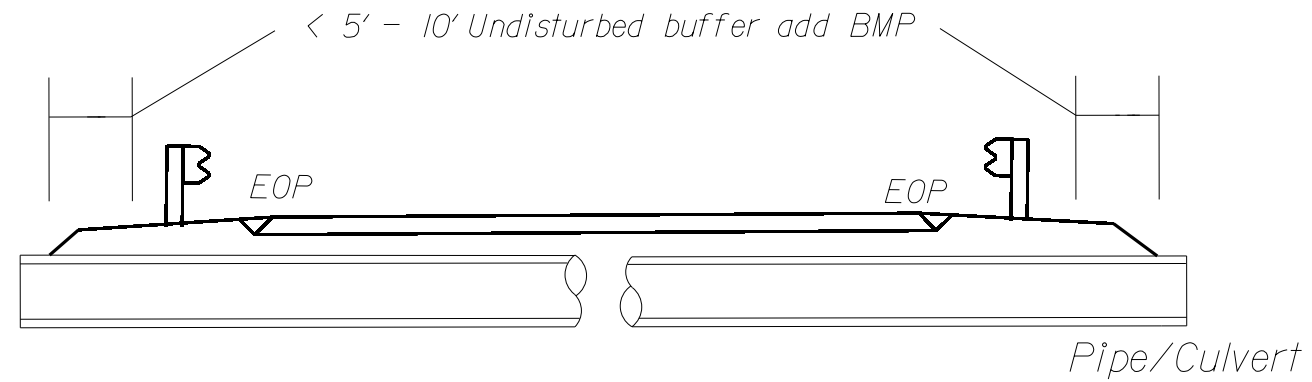
SOIL STABILIZATION TIMEFRAMES

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
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: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

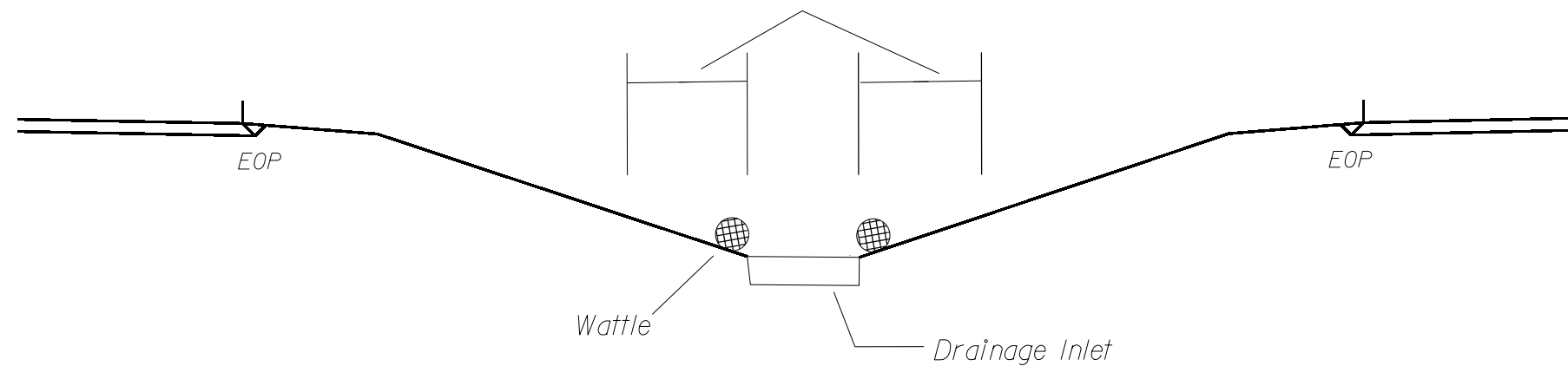
EROSION CONTROL DETAIL



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

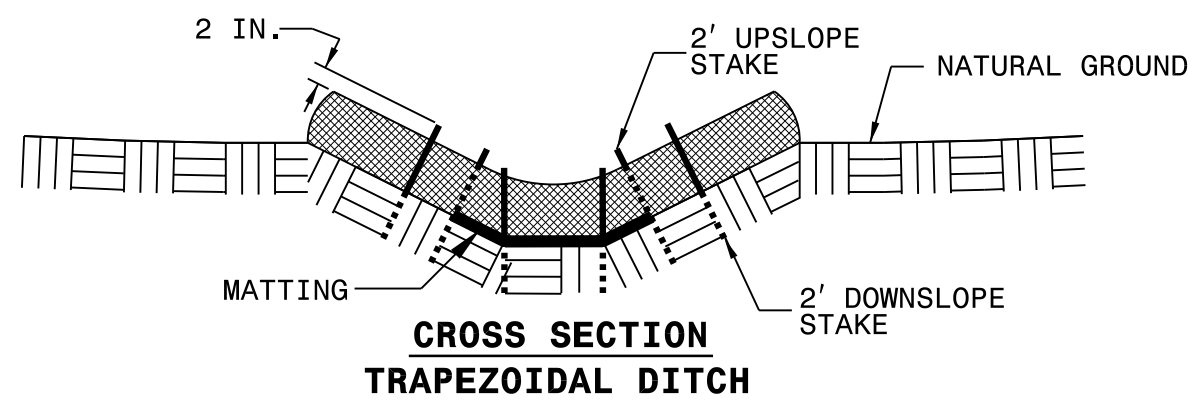
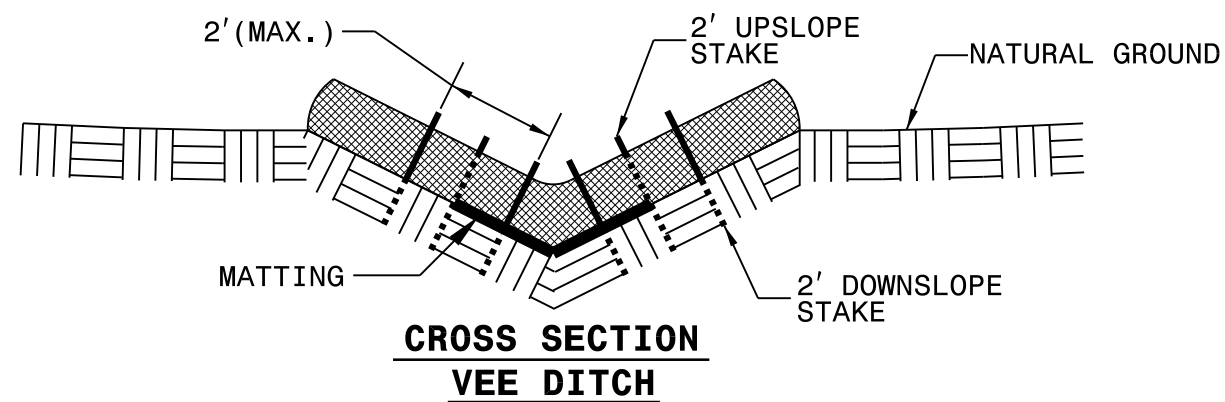
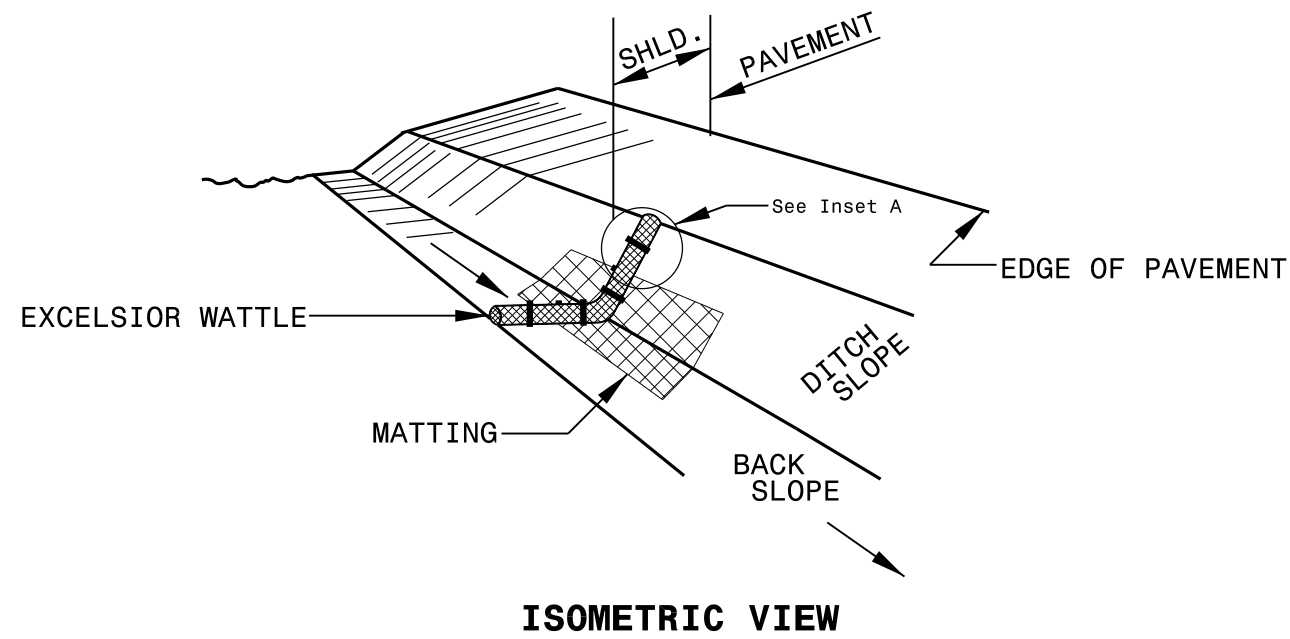


< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE

WATTLE DETAIL



NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

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

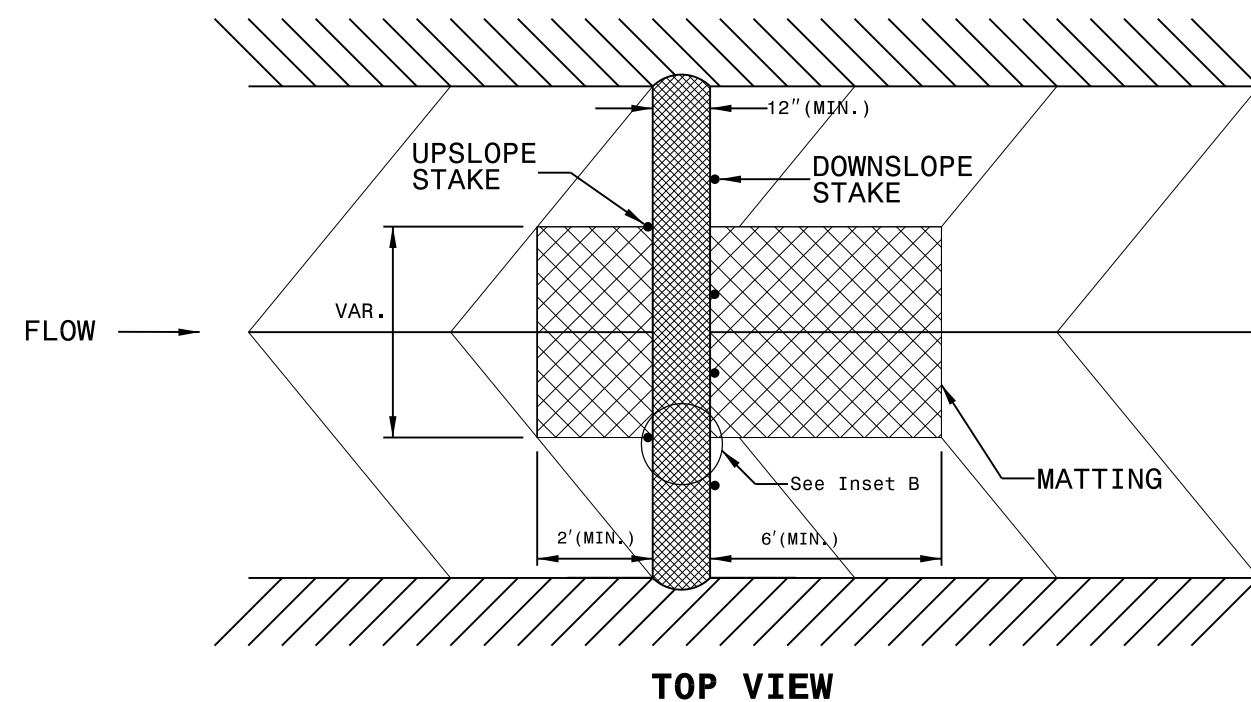
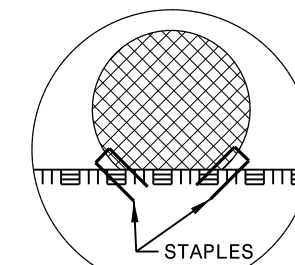
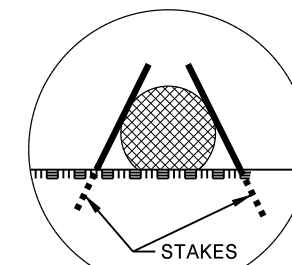
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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.



I:\FEB-2015 Iir41 0:\Resurfacing\Plan Sheets\3CR.20711.173. EC RESURF. 2015.dgn

PROJECT NO.	SHEET NO.
2023CPT.03.13.10671, Etc.	8

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	0106000000-E	1220000000-E	1245000000-E	1260000000-E	1297000000-E	1308000000-E	1330000000-E	1491000000-E	1519000000-E	1520000000-E	1523000000-E	1526000000-E	1575000000-E	1705500000-E	1880000000-E	2830000000-N	2845000000-N	3287000000-N							
												BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	1.5" MILLING	0" - 1.5" MILLING (GENERIC)	INCIDENTAL MILLING	BASE COURSE, B25.0C	SURFACE COURSE, S9.5B	LEVELING COURSE, S9.5B	SURFACE COURSE, S9.5C	SURFACE COURSE, S9.5C	SURFACE COURSE, S4.75A	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT (MILL)	LEVELING COURSE, S4.75A GENERIC	ADJUSTMENT OF MANHOLES	ADJUSTMENT OF METER OR VALVE BOX	GUARDRAIL END UNITS, TYPE TL-3						
										MI	FT	CY	TON	SMI	TON	SY	SY	SY	TONS	TON	TON	TON	TON	TON	TON	EA	EA	EA								
2023CPT.03.13.10671	Onslow	1	NC-53	FROM PAVEMENT SEAM W US 258 SOUTH TO .04 MI E OF SR 1116 (ON SLOW PINES RD) [MP 12.72 - MP 14.26]	1	2	2WU	NO	NO	1.54	38-42	915	50	3.08			203	366	56			198	3,361		226	200	8	5	2.00							
TOTAL FOR MAP NO. 1												915	50	3.08			203	366	56			198	3,361		226	200	8	5	2.00							
2023CPT.03.13.10671	Onslow	2	NC-53	FROM WEST OF SR 1109 (HOLLY SHELTER RD) TO 1.14 MI W OF SR 1107 (HARRIS CREEK RD) [MP 16.71 - MP 20.50]	1	2	2WU	NO	NO	3.79	24-28		200	7.58	1,955	421		362	111			330	5,125		351	400										
TOTAL FOR MAP NO. 2													200	7.58	1,955	421		362	111			330	5,125		351	400										
TOTAL FOR PROJ NO. 2023CPT.03.13.10671												915	250	10.66	1,955	421	203	728	167			528	8,486		577	600		8	5	2.00						
																											9,014									
2023CPT.03.13.20671	Onslow	3	SR-1876 / HEMLOCK DR	FROM SR 1406 (PINEY GREEN RD) TO CUL-DE-SAC [MP 0.00 - MP 0.64]	2	2	2WU	NO	NO	0.64	33						4,506	312		1,198	50			91	150	7	18									
TOTAL FOR MAP NO. 3																		4,506	312		1,198	50			91	150	7	18								
2023CPT.03.13.20671	Onslow	4	SR-1782 / WALNUT DR	FROM SR 1779 (BALSAM RD) TO SR 1787 (WHITE OAK BLVD) [MP 0.00 - MP 0.21]	2	2	2WU	NO	NO	0.21	30						1,478			320	40			24		4										
TOTAL FOR MAP NO. 4																		1,478			320	40			24		4									
2023CPT.03.13.20671	Onslow	5	SR-1877 / BROADLEAF DR	FROM SR 1876 (HEMLOCK DR) TO RIVERBIRCH PL (NON-SYSTEM) [MP 0.00 - MP 0.33]	2	2	2WU	NO	NO	0.33	33						2,323	168		583	20			45	100	7	10									
TOTAL FOR MAP NO. 5																		2,323	168		583	20			45	100	7	10								
2023CPT.03.13.20671	Onslow	6	SR-1201 / GURGANUS RD	FROM NC 53 (BURGAW HWY) TO .03 MI N OF SR 1202 (SWINSON RD) [MP 0.00 - MP 3.11]	3	2	2WU	NO	NO	3.11	18		104	6.22	1,555			337		3,023	50			213	150		2									
TOTAL FOR MAP NO. 6													104	6.22	1,555			337		3,023	50			213	150		2									
TOTAL FOR PROJ NO. 2023CPT.03.13.20671													104	6.22	1,555		8,307	817		5,124	160			373	400		18	30								
2023CPT.03.13.20672	Onslow	7	SR-1259 / CAROLE CT	FROM SR 1258 (CAROLE DR) TO CUL-DE-SAC [MP 0.00 - MP 0.08]	4	2	2WU	NO	NO	0.08	27												80	6		20										
TOTAL FOR MAP NO. 7																								80	6		20									
2023CPT.03.13.20672	Onslow	8	SR-1779 / BALSAM RD	FROM SR 1406 (PINEY GREEN DR) TO SR 1876 (HEMLOCK DR) [MP 0.00 - MP 0.78]	4	2	2WU	NO	NO	0.78	32												803	59	50	20	12	3								
TOTAL FOR MAP NO. 8																								803	59	50	20	12	3							
2023CPT.03.13.20672	Onslow	9	SR-1780 / BALSAM CT	FROM SR 1779 (BALSAM CT) TO CUL-DE-SAC [MP 0.00 - MP 0.04]	4	2	2WU	NO	NO	0.04	31												52	4		1	1									
TOTAL FOR MAP NO. 9																								52	4		1	1								
2023CPT.03.13.20672	Onslow	10	SR-1783 / BIRCH RD	FROM SR 1779 (BALSAM RD) TO SR 1787 (WHITE OAK RD) [MP 0.00 - MP 0.19]	4	2	2WU	NO	NO	0.19	31												201	14		3										
TOTAL FOR MAP NO. 10																								201	14		3									
2023CPT.03.13.20672	Onslow	11	SR-1784 / ASH PL	FROM SR 1873 (BIRCH RD) TO CUL-DE-SAC [MP 0.00 - MP 0.16]	4	2	2WU	NO	NO	0.16	30												171	14	42	4										
TOTAL FOR MAP NO. 11																								171	14	42	4									
2023CPT.03.13.20672	Onslow	12	SR-1787 / WHITE OAK BLVD	FROM SR 1406 (PINEY GREEN RD) TO CUL-DE-SAC [MP 0.00 - MP 0.81]	4	2	2WU	NO	NO	0.81	30												858	70	213	30	14	2								
TOTAL FOR MAP NO. 12																								858	70	213	30	14	2							
2023CPT.03.13.20672	Onslow	13	SR-1788 / WHITE OAK CT	FROM SR 1787 (WHITE OAK BLVD) TO CUL-DE-SAC [MP 0.00 - MP 0.07]	4	2	2WU	NO	NO	0.07	30												77	8	5	1										
TOTAL FOR MAP NO. 13																								77	8	5	1									
2023CPT.03.13.20672	Onslow	14	SR-1878 / BASSWOOD CT	FROM SR 1876 (HEMLOCK RD) TO CUL-DE-SAC [MP 0.00 - MP 0.13]	4	2	2WU	NO	NO	0.13	27												115	6		4	3									
TOTAL FOR MAP NO. 14																								115	6		4	3								
2023CPT.03.13.20672	Onslow	15	SR-2333 / MABRY CT	FROM SR 1876 (HEMLOCK RD) TO CUL-DE-SAC [MP 0.00 - MP 0.04]	4	2	2WU	NO	NO	0.04	28												53	4		2										
TOTAL FOR MAP NO. 15																								53	4		2									
TOTAL FOR PROJ NO. 2023CPT.03.13.20672																								2,410	185	310	70	41	9							
GRAND TOTAL										11.92		915	354	16.88	3,510	421	8,510	1,545	167	5,124	160	528	8,486	2,410	1,135	1,310	70	67	44	2.00						
																											9,014									

PROJECT NO.	SHEET NO.
2023CPT.03.13.10671, Etc.	10

THERMOPLASTIC AND PAINT QUANTITIES

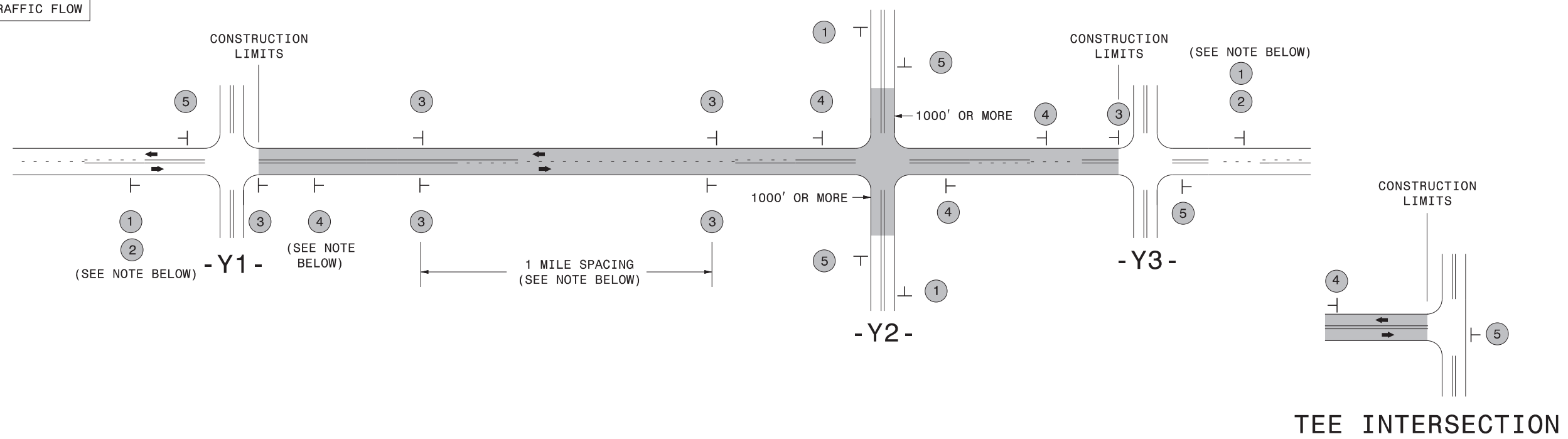
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4510000000-N	4685000000-E		4709000000-E	4720000000-E	4725000000-E				4900000000-N	4905100000-N				
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	LAW ENFORCEMENT	4" X 90 M YELLOW THERMO	4" X 90 M WHITE THERMO	THERMOPLASTIC PAVEMENT MARKING LINES (24" X 90 MILS)	THERMO MSG SCHOOL (90 MIL)	THERMO LT ARROW (90 MIL)	THERMO RT ARROW (90 MIL)	THERMO STR & RT ARROW (90 MIL)	THERMO STR & LT ARROW (90 MIL)	YELLOW & YELLOW MARKERS	NON CAST IRON SNOWPLOWABLE MARKERS (Y/Y)	NON CAST IRON SNOWPLOWABLE MARKERS (C/R)			
									MI	FT	SF	LS	HR	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA			
2023CPT.03.13.10671	Onslow	1	NC-53	FROM PAVEMENT SEAM W US 258 SOUTH TO .04 MI E OF SR 1116 (ON SLOW PINES RD) [MP 12.72 - MP 14.26]	1	2	2WU	1.54	38-42	175	0.16	40	18,720	16,753	255	24	53	4	1	4		209	130			
TOTAL FOR MAP NO. 1									1.54	38-42	175	0.16	40	18,720	16,753	255	24	53	4	1	4		209	130		
2023CPT.03.13.10671	Onslow	2	NC-53	FROM WEST OF SR 1109 (HOLLY SHELTER RD) TO 1.14 MI W OF SR 1107 (HARRIS CREEK RD) [MP 16.71 - MP 20.50]	1	2	2WU	3.79	24-28	425	0.38		32,310	43,080								259				
TOTAL FOR MAP NO. 2									3.79	24-28	425	0.38		32,310	43,080										259	
TOTAL FOR PROJ NO. 2023CPT.03.13.10671									5.33		600	0.54	40	51,030	59,833	255	24	53	4	1	4				468	130
									110,863		62										598					
2023CPT.03.13.20671	Onslow	3	SR-1876 / HEMLOCK DR	FROM SR 1406 (PINEY GREEN RD) TO CUL-DE-SAC [MP 0.00 - MP 0.64]	2	2	2WU	0.64	33		0.04															
TOTAL FOR MAP NO. 3									0.64			0.04														
2023CPT.03.13.20671	Onslow	4	SR-1782 / WALNUT DR	FROM SR 1779 (BALSAM RD) TO SR 1787 (WHITE OAK BLVD) [MP 0.00 - MP 0.21]	2	2	2WU	0.21	30		0.01															
TOTAL FOR MAP NO. 4									0.21			0.01														
2023CPT.03.13.20671	Onslow	5	SR-1877 / BROADLEAF DR	FROM SR 1876 (HEMLOCK DR) TO RIVERBIRCH PL (NON-SYSTEM) [MP 0.00 - MP 0.33]	2	2	2WU	0.33	33		0.02															
TOTAL FOR MAP NO. 5									0.33			0.02														
2023CPT.03.13.20671	Onslow	6	SR-1201 / GURGANUS RD	FROM NC 53 (BURGAW HWY) TO .03 MI N OF SR 1202 (SWINSON RD) [MP 0.00 - MP 3.11]	3	2	2WU	3.11	18	348	0.21		24,631	32,842								205				
TOTAL FOR MAP NO. 6									3.11	18	348	0.21		24,631	32,842									205		
TOTAL FOR PROJ NO. 2023CPT.03.13.20671									4.29		348	0.28		24,631	32,842									205		
									57,473																	
2023CPT.03.13.20672	Onslow	7	SR-1259 / CAROLE CT	FROM SR 1258 (CAROLE DR) TO CUL-DE-SAC [MP 0.00 - MP 0.08]	4	2	2WU	0.08	27		0.01															
TOTAL FOR MAP NO. 7									0.08			0.01														
2023CPT.03.13.20672	Onslow	8	SR-1779 / BALSAM RD	FROM SR 1406 (PINEY GREEN DR) TO SR 1876 (HEMLOCK DR) [MP 0.00 - MP 0.78]	4	2	2WU	0.78	32		0.05	40														
TOTAL FOR MAP NO. 8									0.78			0.05	40													
2023CPT.03.13.20672	Onslow	9	SR-1780 / BALSAM CT	FROM SR 1779 (BALSAM CT) TO CUL-DE-SAC [MP 0.00 - MP 0.04]	4	2	2WU	0.04	31		0.01															
TOTAL FOR MAP NO. 9									0.04			0.01														
2023CPT.03.13.20672	Onslow	10	SR-1783 / BIRCH RD	FROM SR 1779 (BALSAM RD) TO SR 1787 (WHITE OAK RD) [MP 0.00 - MP 0.19]	4	2	2WU	0.19	31		0.01															
TOTAL FOR MAP NO. 10									0.19			0.01														
2023CPT.03.13.20672	Onslow	11	SR-1784 / ASH PL	FROM SR 1873 (BIRCH RD) TO CUL-DE-SAC [MP 0.00 - MP 0.16]	4	2	2WU	0.16	30		0.01															
TOTAL FOR MAP NO. 11									0.16			0.01														
2023CPT.03.13.20672	Onslow	12	SR-1787 / WHITE OAK BLVD	FROM SR 1406 (PINEY GREEN RD) TO CUL-DE-SAC [MP 0.00 - MP 0.81]	4	2	2WU	0.81	30		0.06															
TOTAL FOR MAP NO. 12									0.81			0.06														
2023CPT.03.13.20672	Onslow	13	SR-1788 / WHITE OAK CT	FROM SR 1787 (WHITE OAK BLVD) TO CUL-DE-SAC [MP 0.00 - MP 0.07]	4	2	2WU	0.07	30		0.01															
TOTAL FOR MAP NO. 13									0.07			0.01														
2023CPT.03.13.20672	Onslow	14	SR-1878 / BASSWOOD CT	FROM SR 1876 (HEMLOCK RD) TO CUL-DE-SAC [MP 0.00 - MP 0.13]	4	2	2WU	0.13	27		0.01															
TOTAL FOR MAP NO. 14									0.13			0.01														
2023CPT.03.13.20672	Onslow	15	SR-2333 / MABRY CT	FROM SR 1876 (HEMLOCK RD) TO CUL-DE-SAC [MP 0.00 - MP 0.04]	4	2	2WU	0.04	28		0.01															
TOTAL FOR MAP NO. 15									0.04			0.01														
TOTAL FOR PROJ NO. 2023CPT.03.13.20672									2.3			0.180	40													
GRAND TOTAL									11.92		948	1.000	80	75,661	92,675	255	24	53	4	1	4		205	468	130	
									168,336														62		598	

SIGNING FOR RESURFACING PROJECTS

LEGEND

┆ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

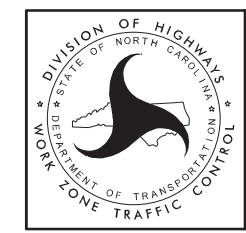
-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1	 W20-1 48" X 48"	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"> 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) 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;"> <p>W20-1 48" X 48"</p> <p>PLACED 500' IN ADVANCE OF FLAGGER.</p> </div> <div style="text-align: center;"> <p>W20-7 A 48" X 48"</p> <p>PLACED 250' IN ADVANCE OF FLAGGER.</p> </div> </div>
	2	 NEXT XX MILES W7-3aP 24" X 18"	#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	 LOW/SOFT SHOULDER SP 13107 48" X 48"	<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	 ROAD UNDER CONST SP 13106 48" X 48"	<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	 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.

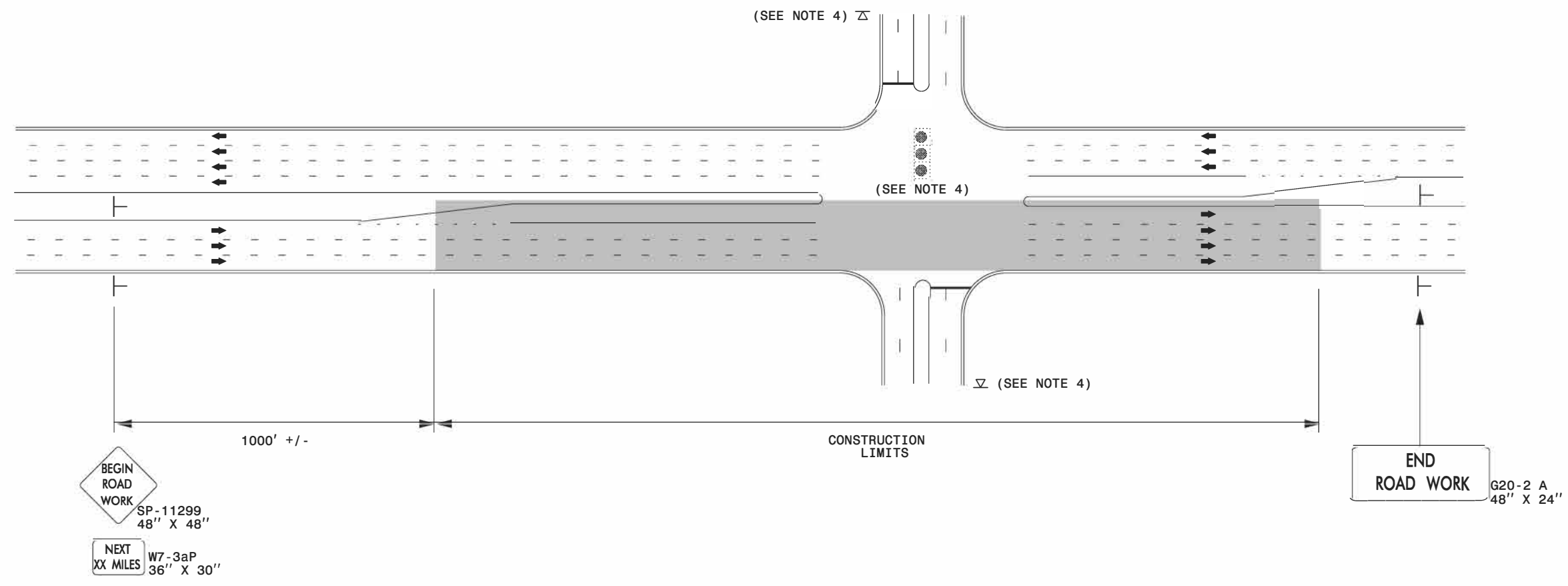
MAPS LESS THAN 2 MILES

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.



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

URBAN / SUBURBAN WORKZONES



NOTES:

- 1) 48" x 48" SIZED SIGNS (SP- 11299) MAY BE REDUCED TO 36" X 36" ON ROADWAYS WITH SPEED LIMITS OF 40 MPH OR LESS.
- 2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
- 3) ADVANCE WARNING SIGNS NOT REQUIRED ON NON-SIGNALIZED SIDE STREETS.
- 4) 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.
- 5) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 2' AS MEASURED FROM THE EDGE OF PAVEMENT OR THE FACE OF THE CURB. WHEN UNABLE TO OBTAIN THE LATERAL CLEARANCE WITHIN THE MEDIAN AREA USE SHOULDER MOUNTS ONLY.
- 6) SIGN MOUNT LOCATIONS SHALL NOT BLOCK SIDEWALKS OR DRIVEWAYS.
- 7) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
- 8) IF MILLED AREAS ARE NOT PAVED BACK BY THE END OF THE WORK DAY, PORTABLE SIGNS SHALL BE USED TO WARN DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8, "UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER WHERE LATERAL CLEARANCE CAN BE OBTAINED WITHIN THE MEDIAN AREAS. THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

LEGEND	
├	STATIONARY SIGN
➔	DIRECTION OF TRAFFIC FLOW



**RESURFACING ADVANCE
WARNING SIGNS FOR
URBAN / SUBURBAN
FACILITIES**

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