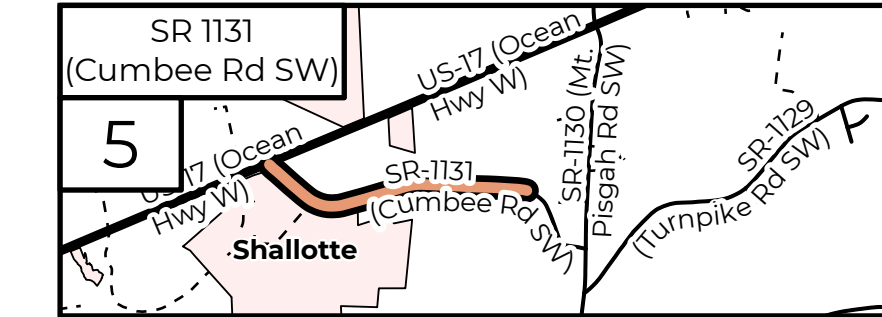
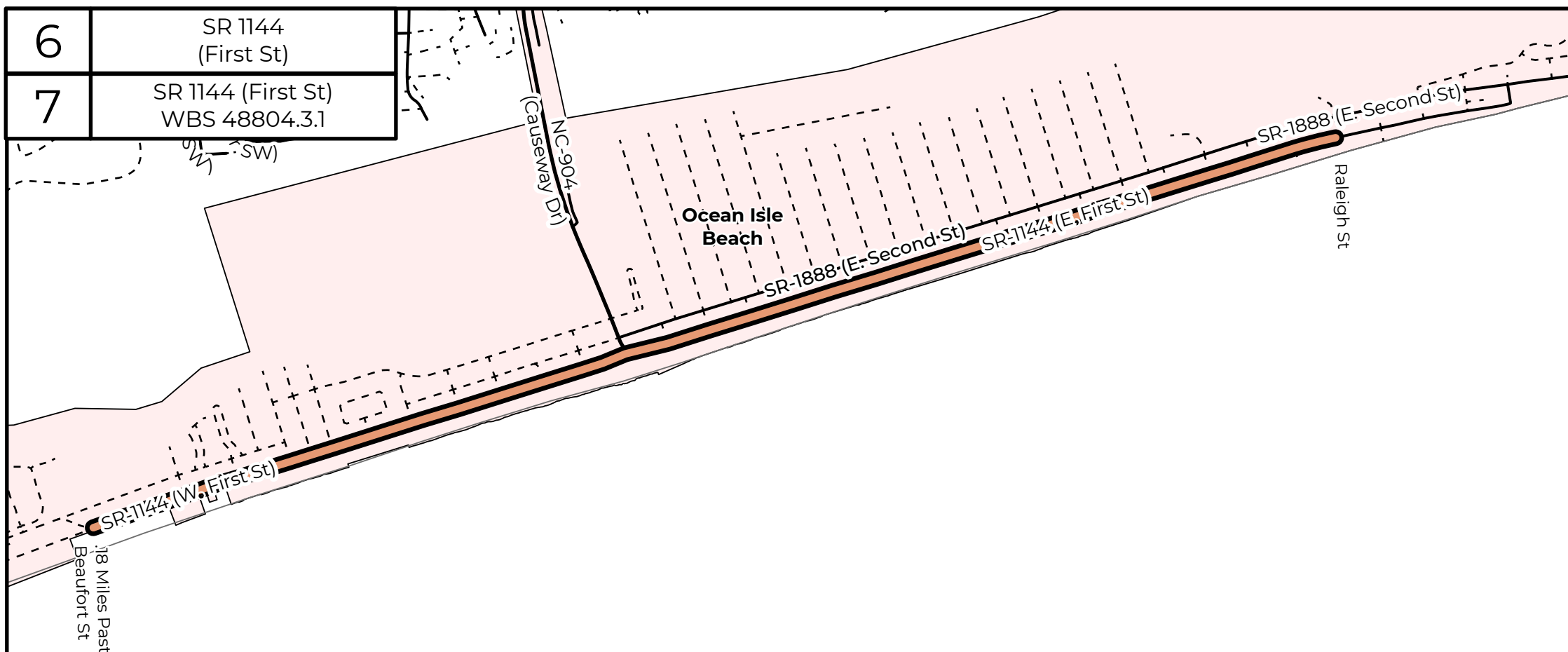
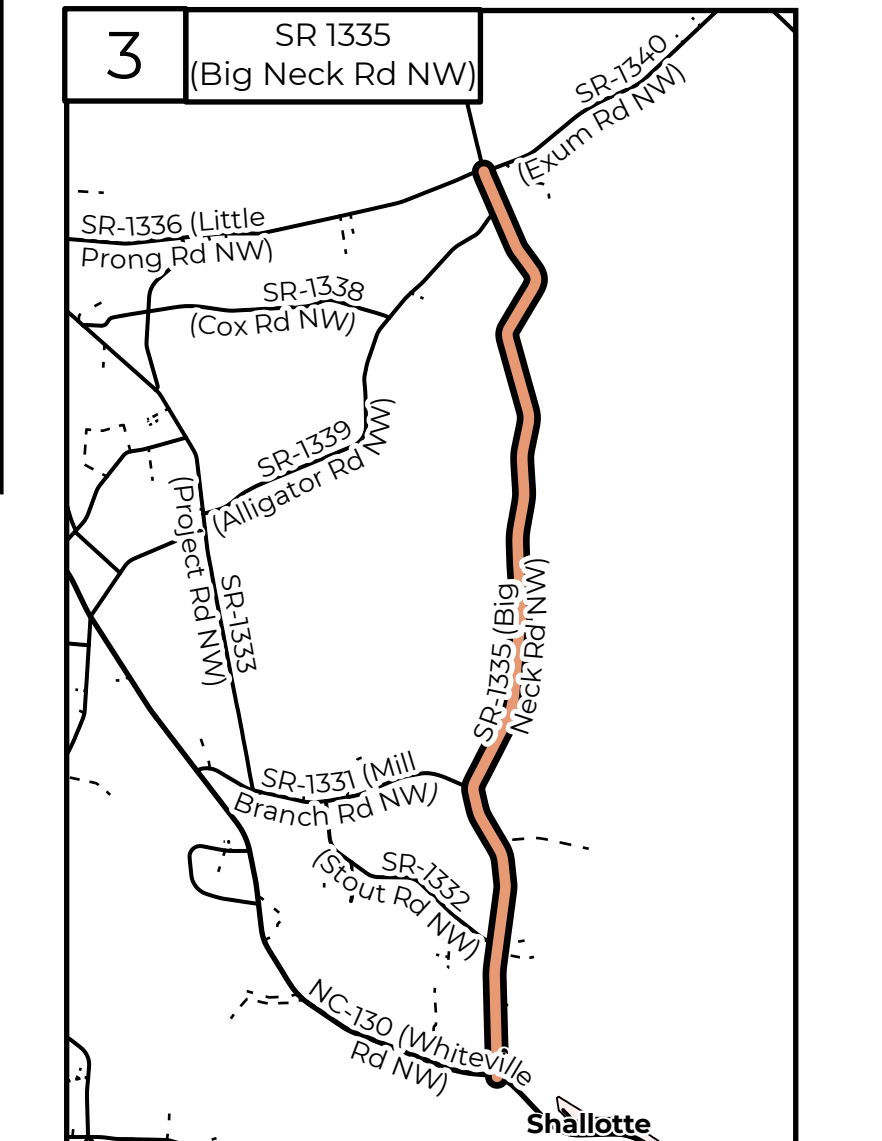
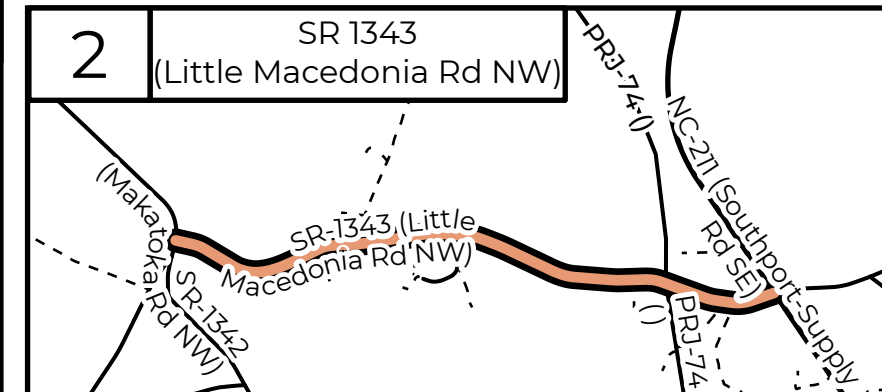
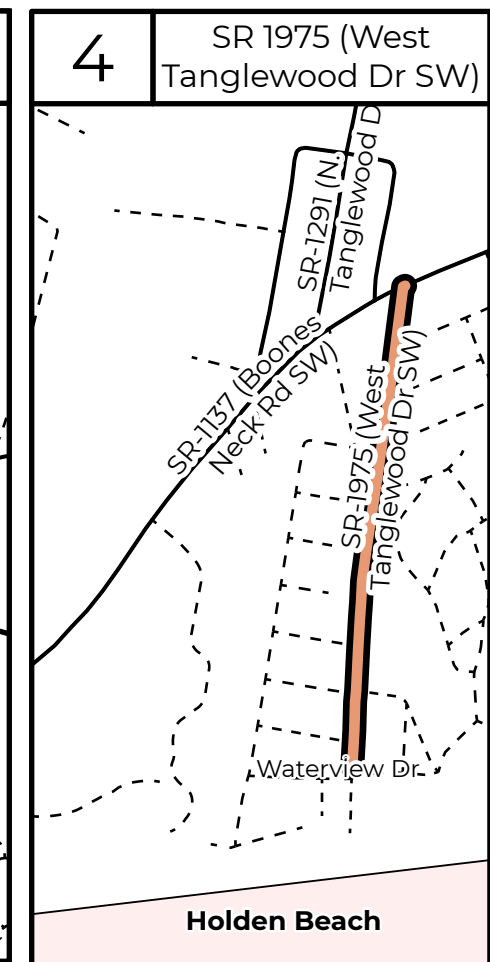
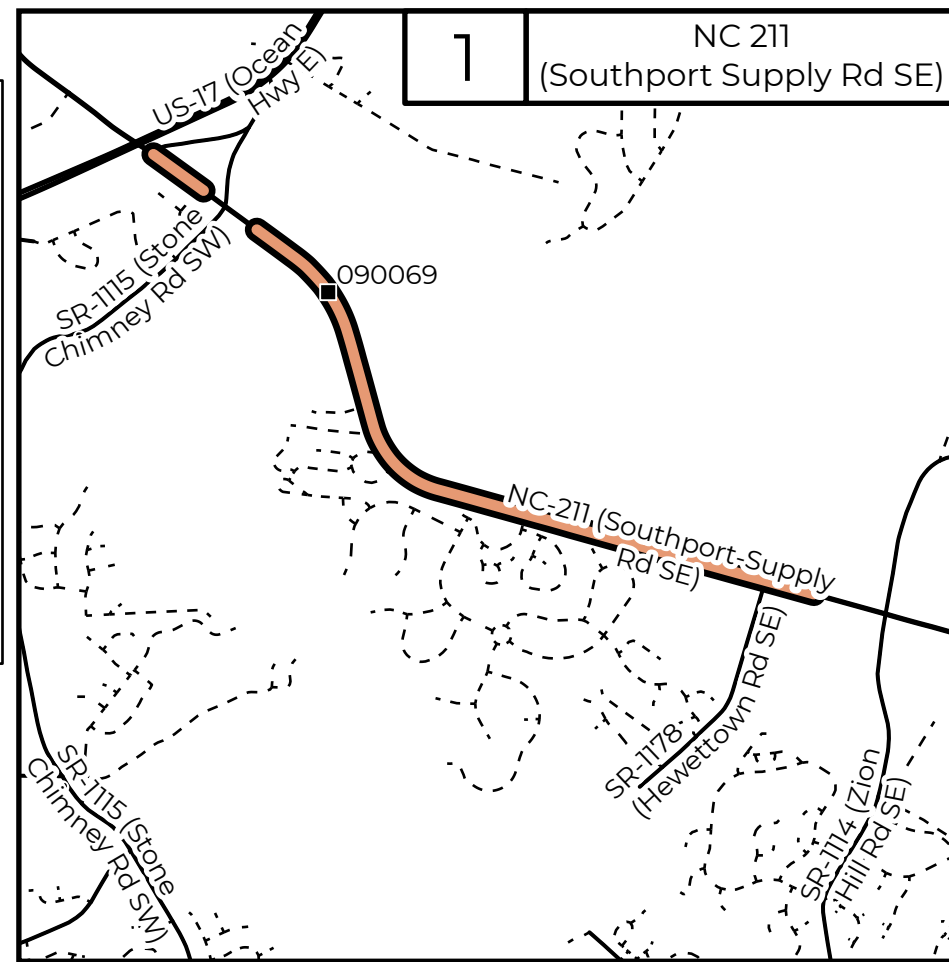
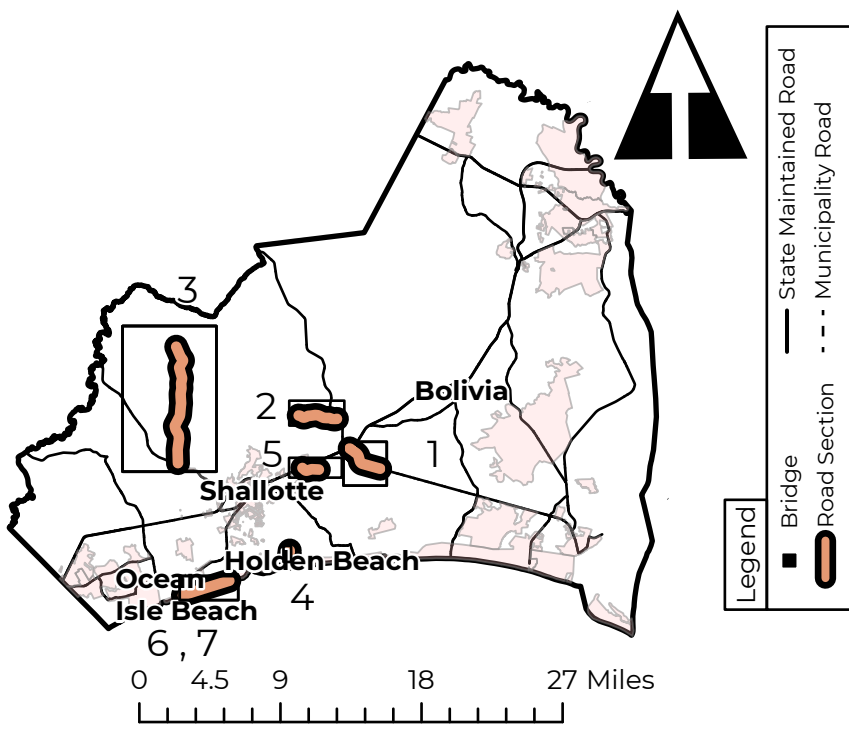
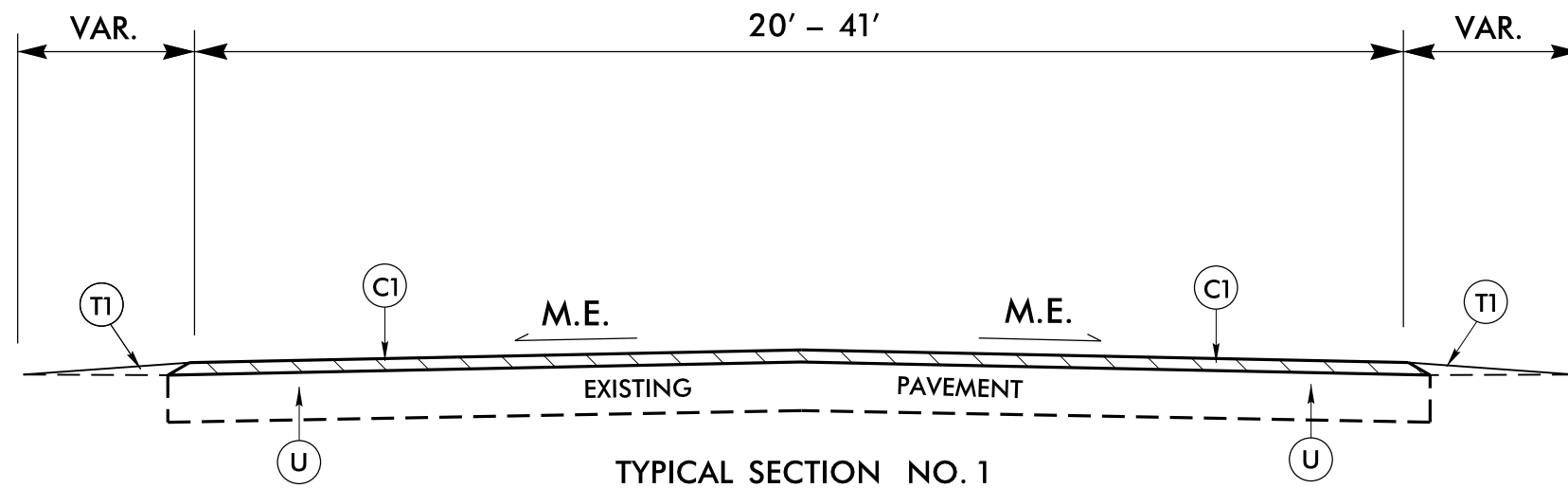


Brunswick County B



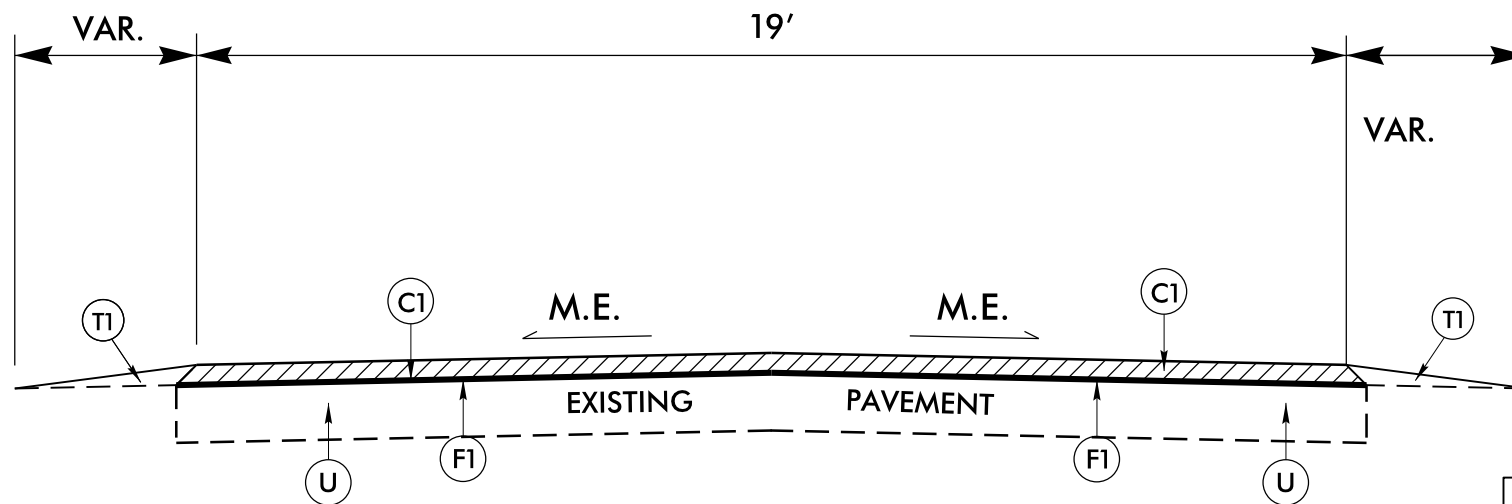


MAP NO. 1
NC 211 (SOUTHPORT - SUPPLY RD. SE)
MP 16.37 - MP 18.86
MP 19.03 - MP 19.26

MAP NO. 2
SR 1343 (LITTLE MACEDONIA RD. NW)
MP 0.00 - MP 2.55

MAP NO. 5
SR 1131 (CUMBEE ROAD SW)
MP 0.53 - MP 1.47

NO WORK BETWEEN
MP 18.86 - MP 19.03



MAP NO. 3
SR 1335 (BIG NECK RD. NW)
MP 5.30 - MP 13.07

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
C2	PROP. APPROX. 1¼" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ.YD.
C3	PROP. APPROX. 2½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ.YD.
E1	PROP. APPROX. 4" DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ.YD.
F1	ASPHALT SURFACE TREATMENT - MAT COAT #67 STONE
R1	EXISTING CONCRETE BRIDGE RAIL
T1	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
U	EXISTING PAVEMENT
V1	MILLING ASPHALT PAVEMENT, 0 - 1¼" DEPTH

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

SHOULDER WORK ON MAP NO. 1 - 3, 5 AS NEEDED, TO BE DETERMINED BY ENGINEER.

2018 ROADWAY ENGLISH STANDARD DRAWINGS

EFF.01-16-2018
REV.

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

840.45 PRECAST DRAINAGE STRUCTURE

848.06 CURB RAMP

DIVISION 12 - PVMT MARKING, MARKERS AND DELINEATION

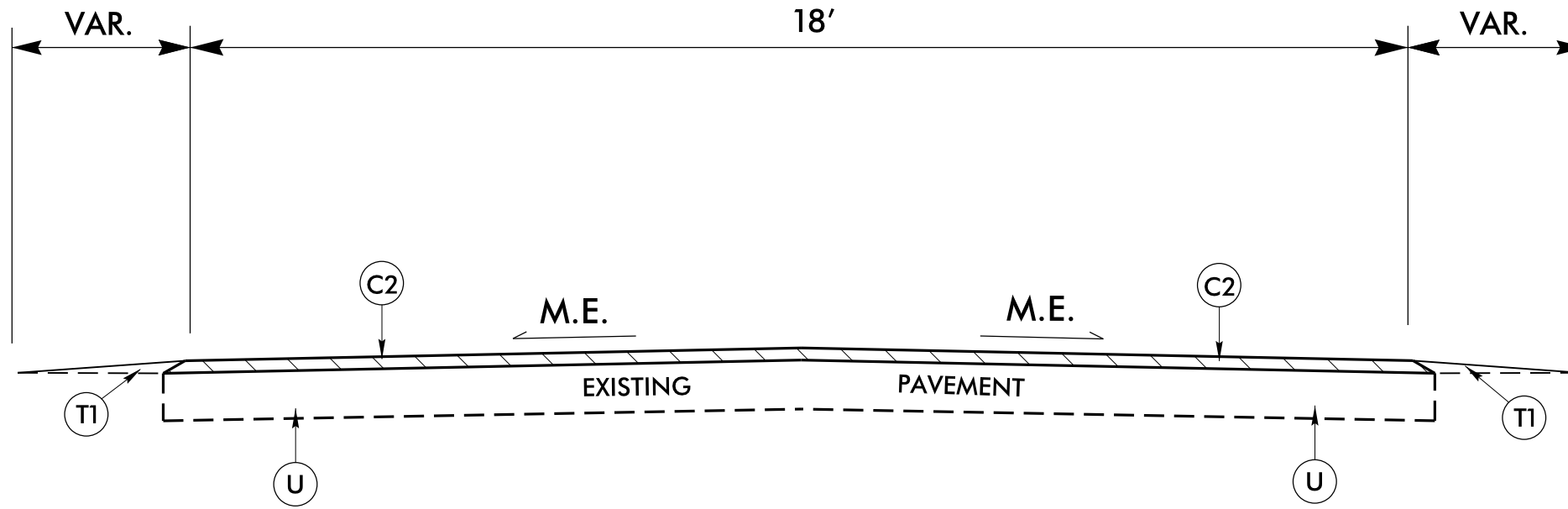
1205.08 Pavement Markings - Symbols & Word Messages

REVISIONS

8/17/99

Resurfacing\BRUNSWICK\2021 BRUNSWICK SPRING LET_DC00305\2021CPT.03.XX.10101 Etc. Rdj_tjp DC00305.dgn

26-APP-2021\450
5\Division\Resurfacing_Data\2021



TYPICAL SECTION NO. 3

MAP NO. 4
 SR 1975 (WEST TANGLEWOOD DR. SW)
 MP 0.00 – MP 0.53

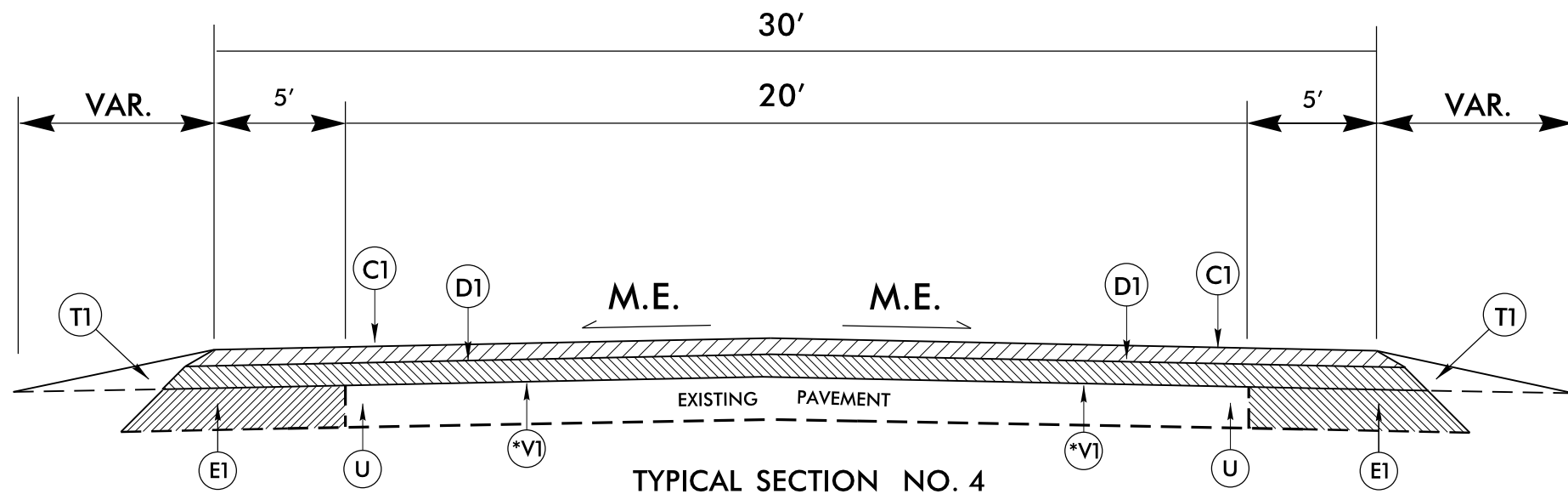
PAVEMENT SCHEDULE	
C1	1½" S9.5B
C2	1¾" S9.5B
D1	2½" I19.0C
E1	4" B25.0C
T1	EARTH MATERIAL SHOULDER RECONST.
U	EXISTING PAVEMENT
V1	0" - 1¼" VAR. MILLING

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

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

* VAR. MILLING ON MAP NO. 6 SHALL BE PERFORMED PRIOR TO WIDENING.

SHOULDER WORK ON MAP NO. 4 AS NEEDED, TO BE DETERMINED BY ENGINEER.



TYPICAL SECTION NO. 4

MAP NO. 6
 SR 1144 (FIRST ST.)
 MP 0.47 – MP 2.20
 MP 2.29 – MP 3.52

NO WORK BETWEEN (RAB)
 MP 2.20 – MP 2.29

REVISIONS
 28-MAP-20211354
 S:\Division\Resurfacing\Resurfacing Data\2021
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8/17/99

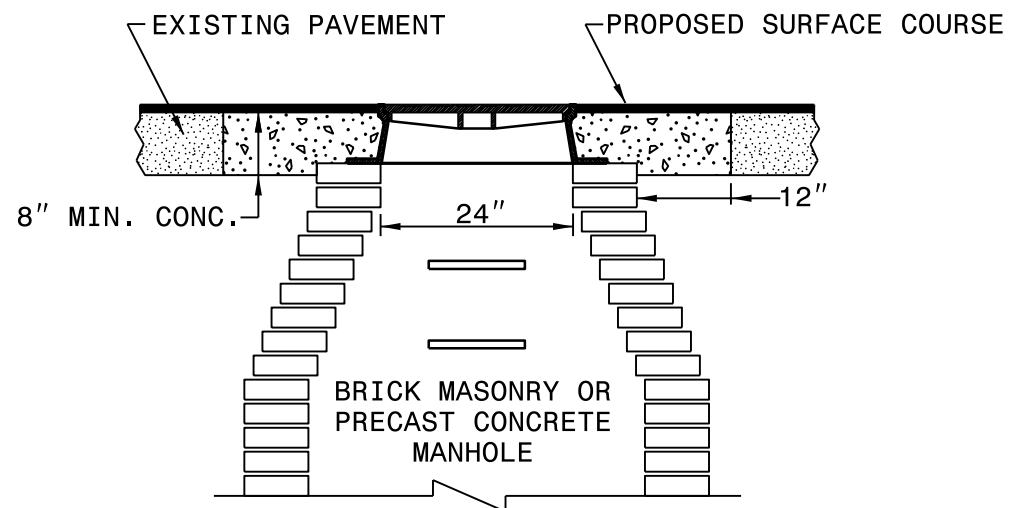
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
MANHOLE AND VALVE BOX ADJUSTMENTS

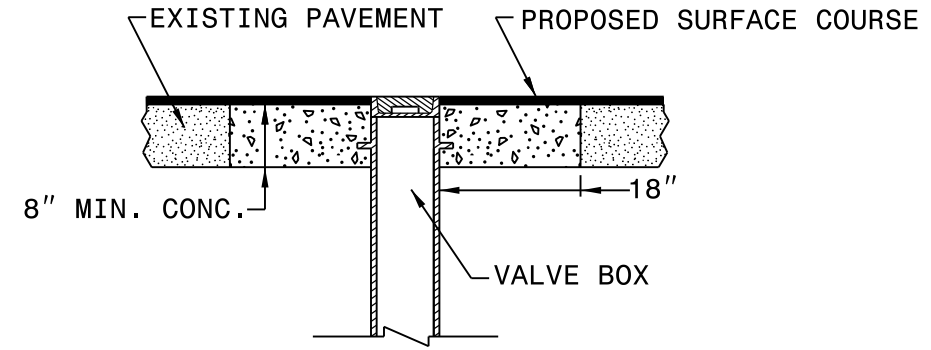
SHEET 1 OF 1
840D55

GENERAL NOTES:

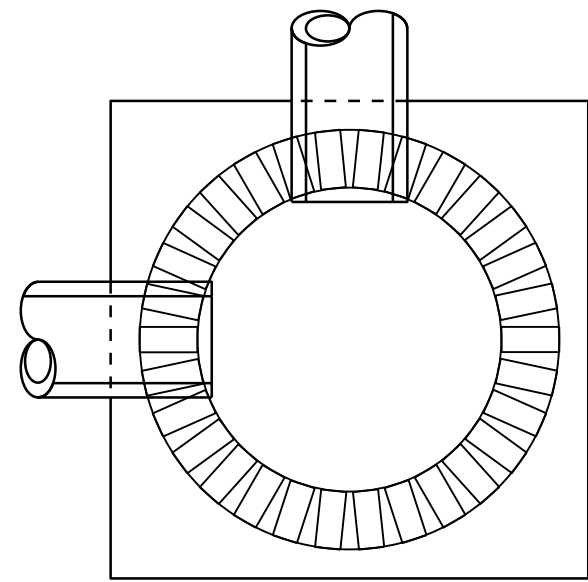
1. USE RAPID SET GROUT, MORTAR, OR CONCRETE THAT WILL TAKE FULL SET AND BECOME LOAD BEARING WITHIN SIXTY MINUTES OF PLACEMENT WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
2. REMOVE ALL FAULTY EXISTING BRICKWORK AND REPLACE WITH NEW BRICK MASONRY.
3. SHEER CUT EXCAVATION FOR THE ADJUSTMENT ON ALL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

ENGLISH DETAIL DRAWING FOR
MANHOLE AND VALVE BOX ADJUSTMENTS

SHEET 1 OF 1
840D55

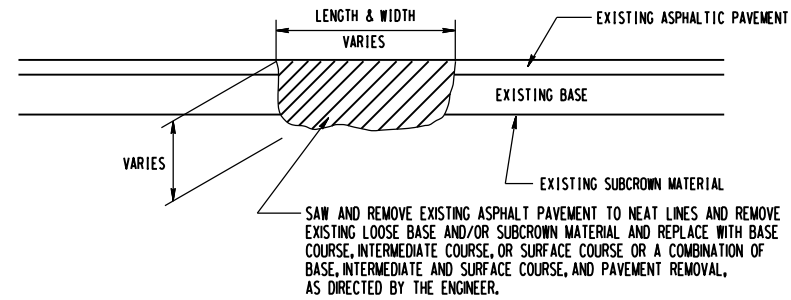
REVISIONS

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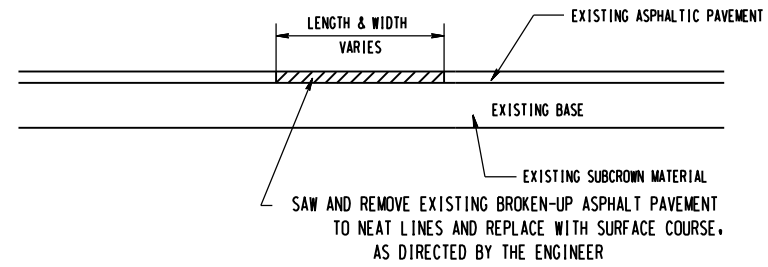
DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



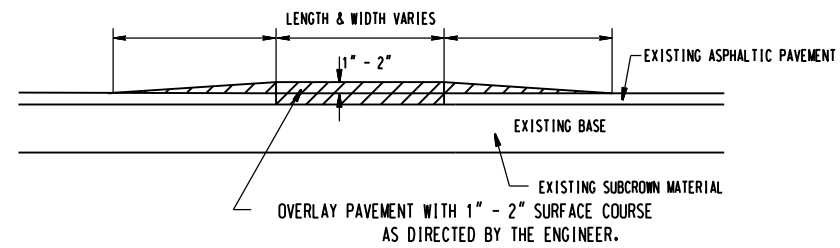
DETAIL NO. 1



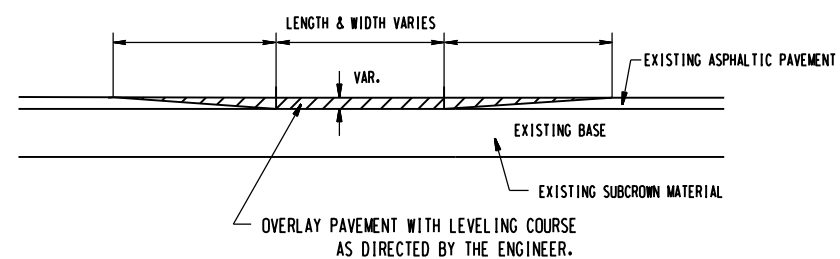
DETAIL NO. 2



DETAIL NO. 3



DETAIL NO. 4

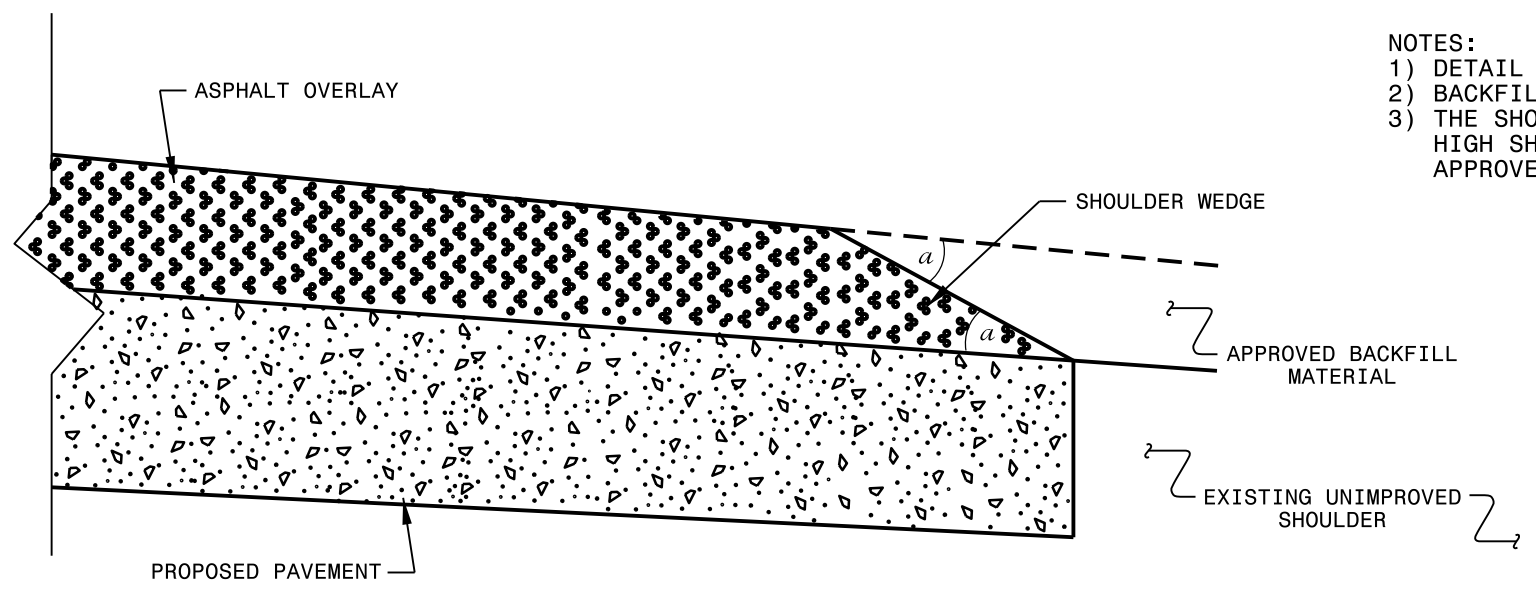


DETAIL NO. 5

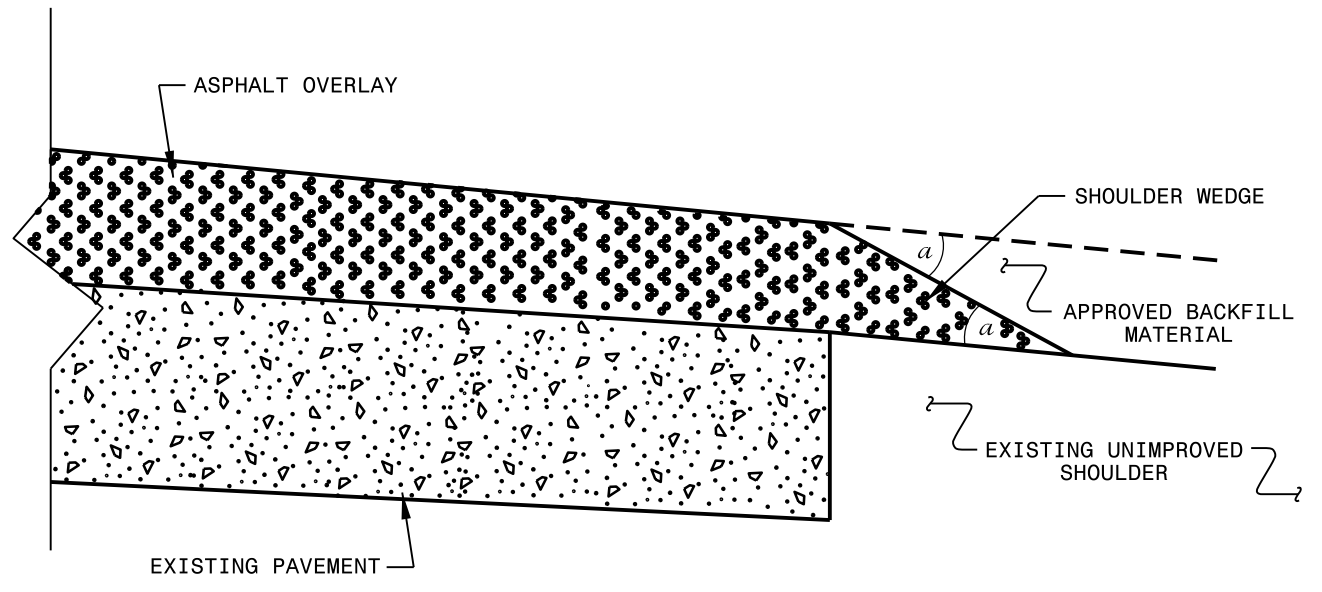
REVISIONS

20-APP-2015-1156
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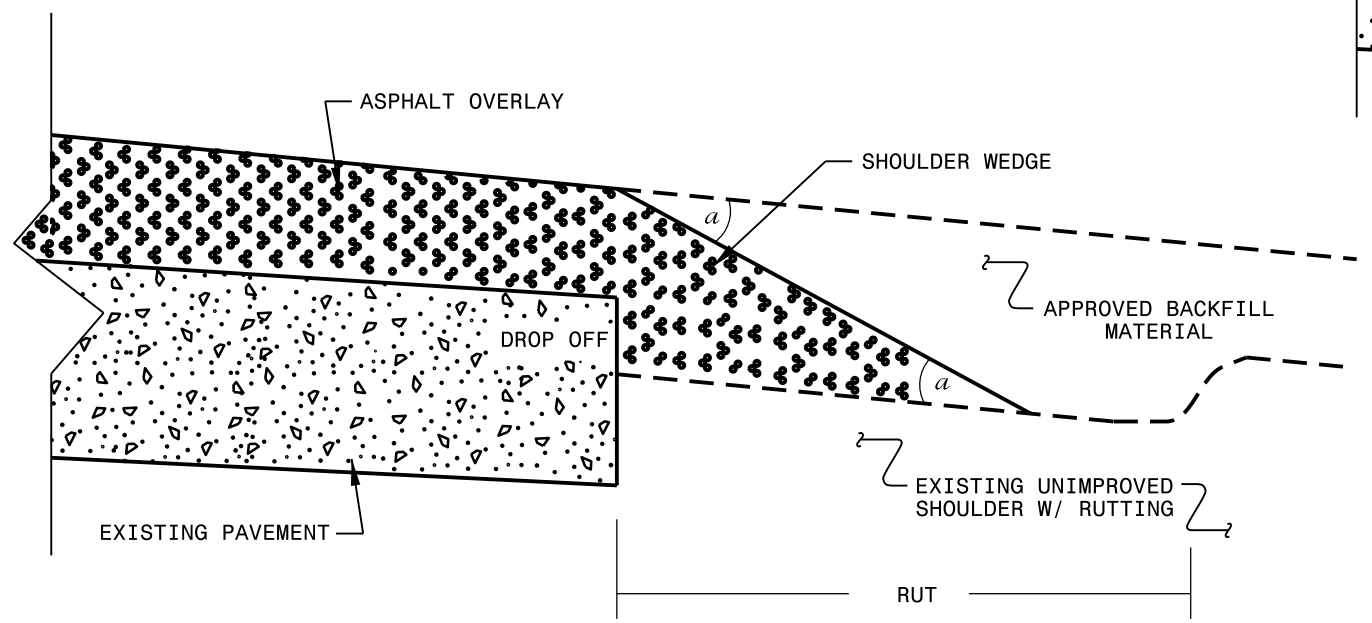
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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\shoulderwedgedetail.dgn			

27 JUN 2018 13:22 s:\projects\Resurfacing Projects\Division 3\Sampson August 2018\Revised Shoulder Wedge Detail.dgn
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STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

2-19

ENGLISH TYPICAL DRAWING FOR
PAVEMENT MARKINGS
HI-VISIBILITY CROSSWALKS
NO-TRACK MARKING GUIDANCE

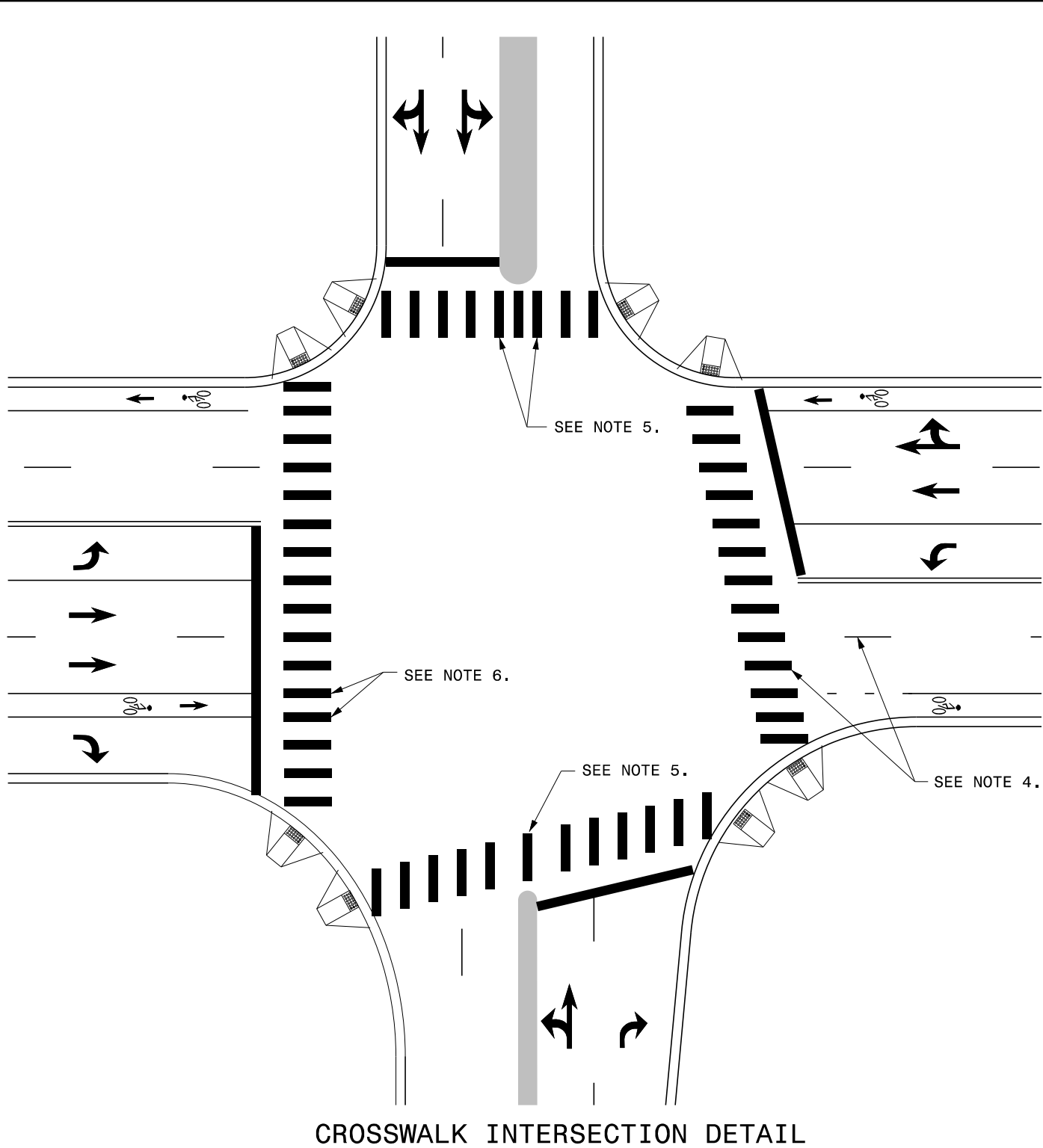
SHEET 1 OF 1

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

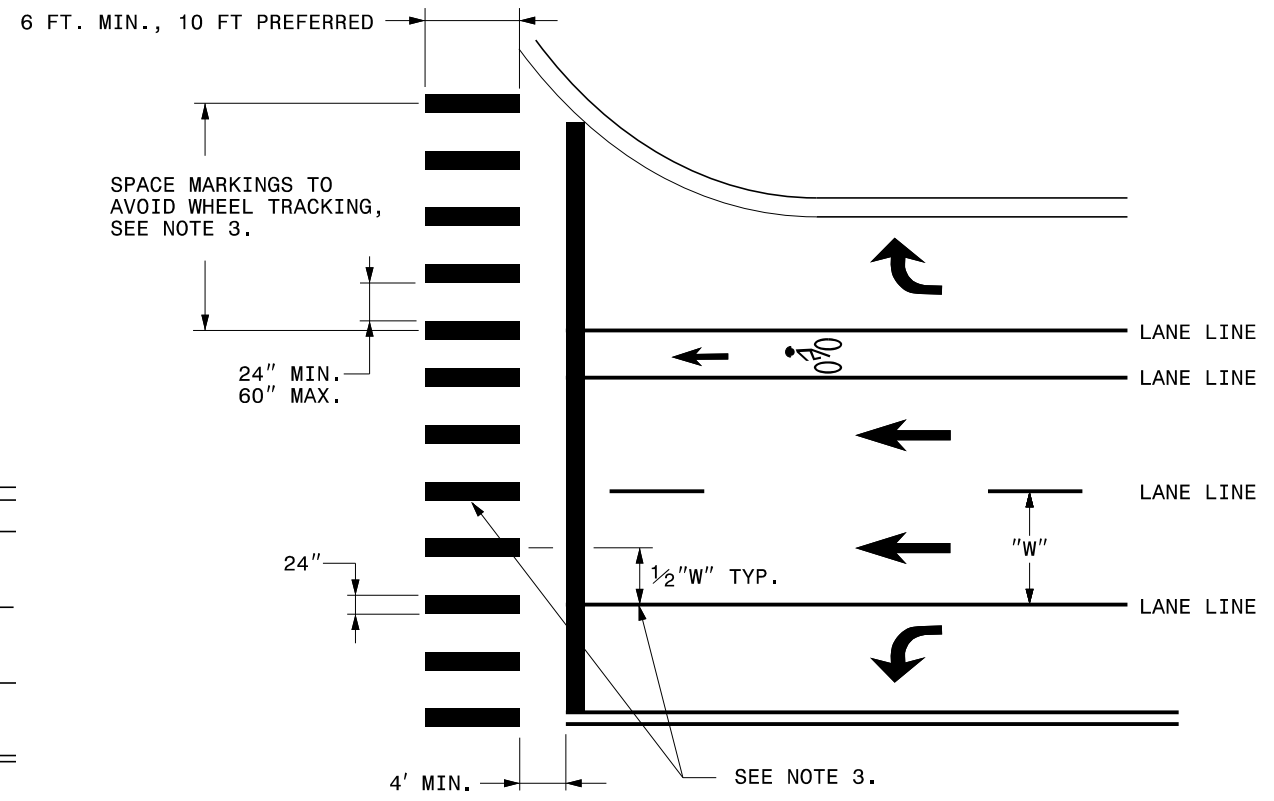
2-19

ENGLISH TYPICAL DRAWING FOR
PAVEMENT MARKINGS
HI-VISIBILITY CROSSWALKS
NO-TRACK MARKING GUIDANCE

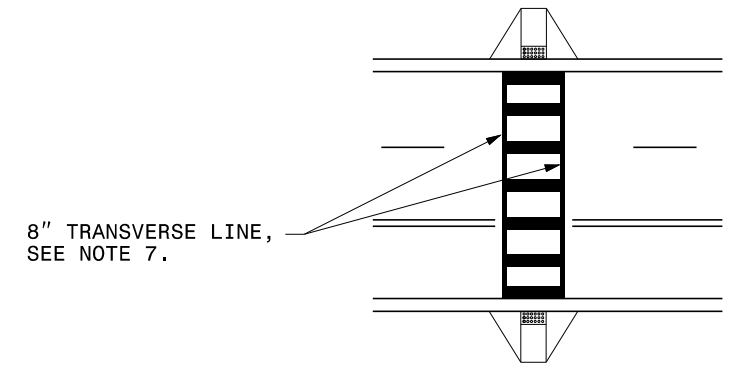
SHEET 1 OF 1



CROSSWALK INTERSECTION DETAIL



CROSSWALK MARKING DETAIL



MID-BLOCK CROSSWALK DETAIL

- GENERAL NOTES:
- 1- THE GUIDANCE IN THIS DETAIL IS TO BE USED WHEN NO-TRACK SPACING OF HI-VISIBILITY MARKINGS IS REQUESTED.
 - 2- USE THE GUIDANCE SHOWN ON THE ABOVE DETAILS IN CONJUNCTION WITH PAVEMENT MARKING GUIDANCE SHOWN ON ROADWAY STANDARD DRAWINGS 1205.01 AND 1205.07.
 - 3- PLACE MARKINGS TO AVOID WHEELPATH OF VEHICLES. MARKINGS TYPICALLY WILL BE LOCATED CENTERED AT THE LANE LINES AND EDGE LINES WITH ONE ADDITIONAL MARKING CENTERED IN THE MIDDLE OF THE LANE. AT WIDE LANE WIDTHS DUE TO TAPERS AND LARGE RADII, LOCATE MARKINGS AT BEST SPACING TO AVOID WHEEL TRACKING. THE SPACE BETWEEN MARKINGS SHALL NOT BE LESS THAN 24 INCHES OR GREATER THAN 60 INCHES.

- 4- WHERE THE CROSSWALK IS SKEWED TO THE LANE LINES, THE MARKINGS SHOULD BE PARALLEL TO THE LANE LINES.
- 5- PLACE MARKINGS ON BOTH EDGES OF THE NOSE OF A MEDIAN. FOR NARROW MEDIANS LESS THAN 4 FEET, A SINGLE MARKING MAY BE USED. FOR WIDE MEDIANS, INSTALL ADDITIONAL MARKINGS IN THE MEDIAN AREA. THE SPACE BETWEEN THE MARKINGS SHALL NOT TO BE LESS THAN 24 INCHES OR GREATER THAN 60 INCHES.
- 6- LOCATE MARKINGS CENTERED ON BICYCLE LANE LINES. MARKINGS SHALL NOT BE LOCATED IN THE CENTER OF THE BICYCLE PATH.
- 7- INCLUDE 8" TRANSVERSE LINES WITH 24" LONGITUDINAL MARKINGS AT MID-BLOCK CROSSINGS.

2-28-18

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

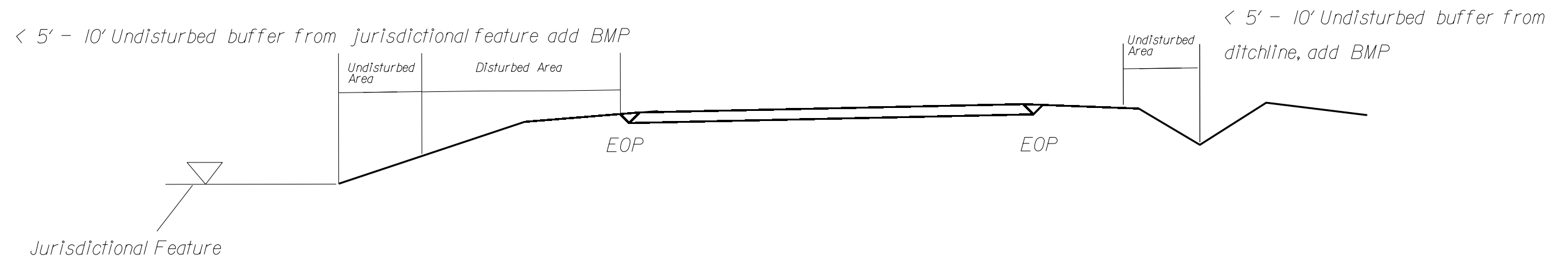
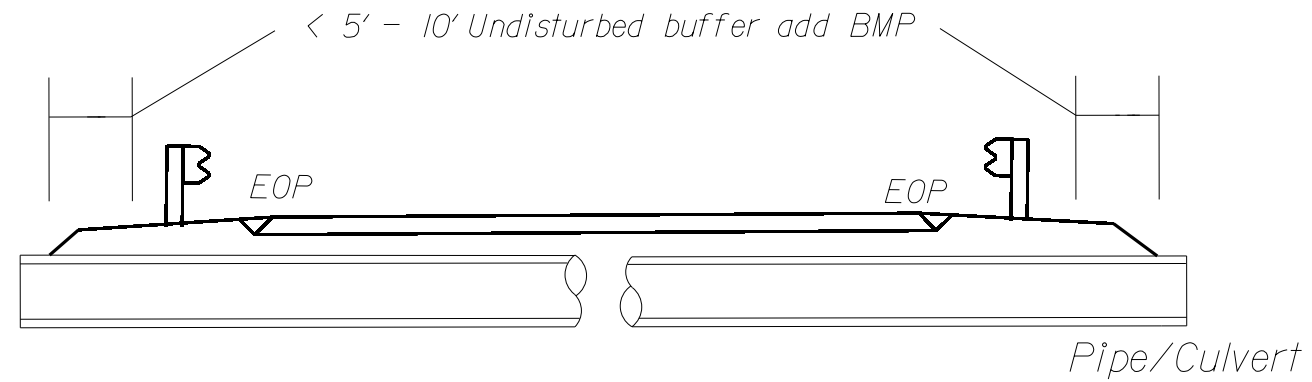
SOIL STABILIZATION TIMEFRAMES

<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

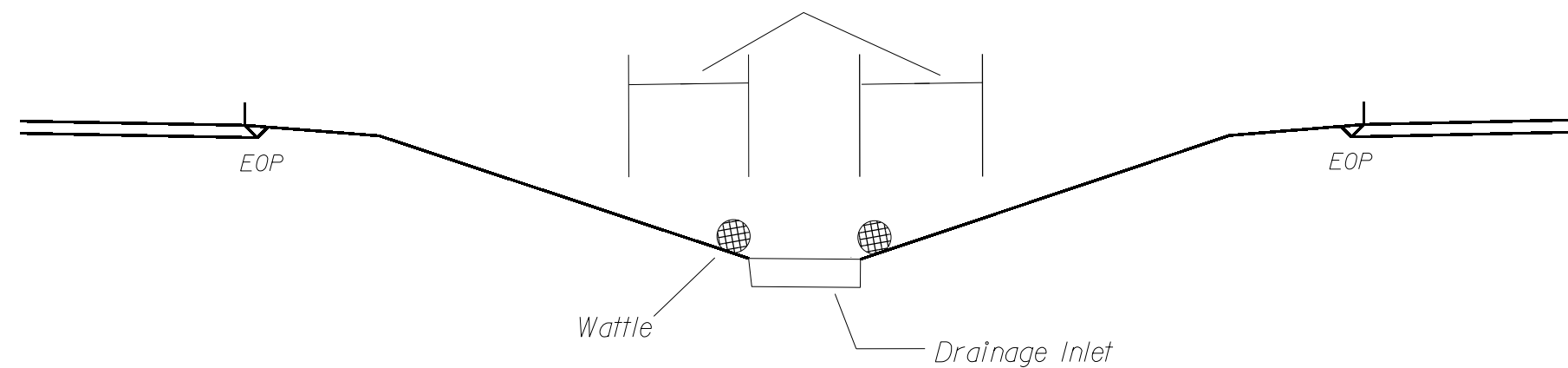
EROSION CONTROL DETAIL



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

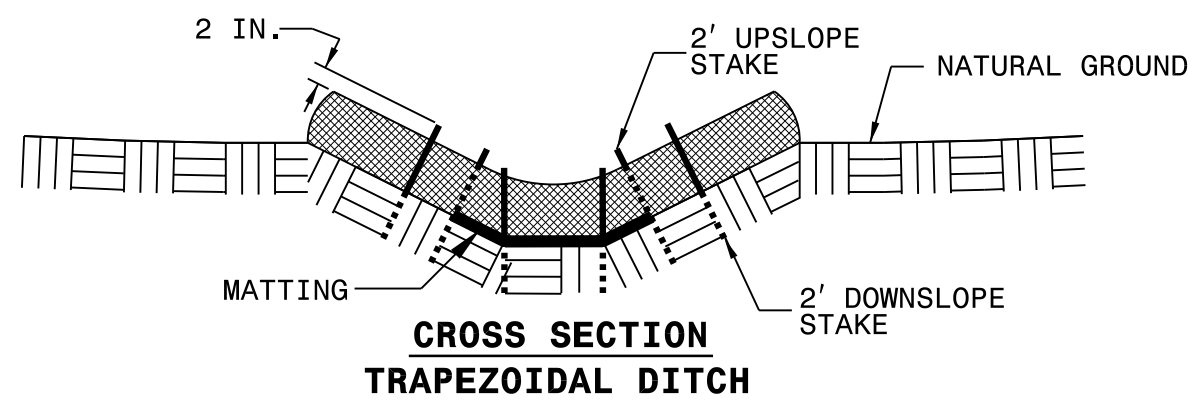
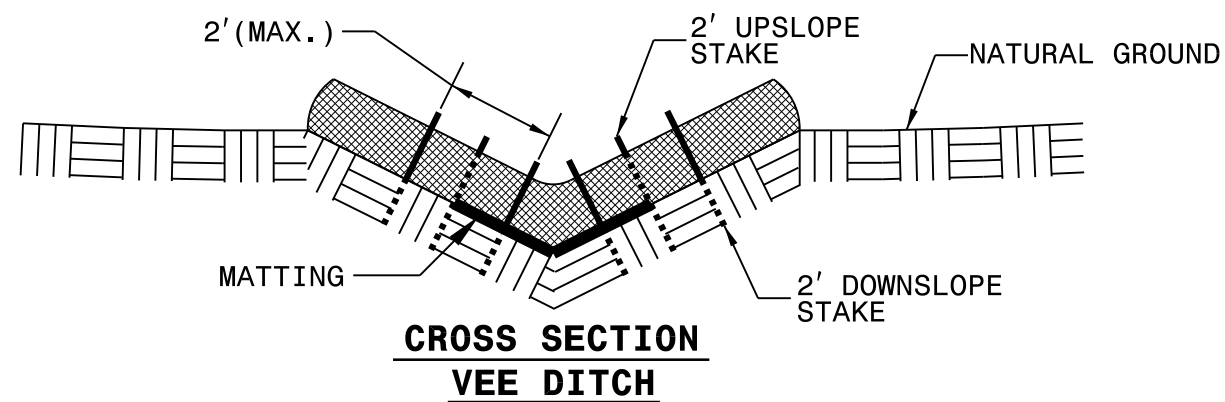
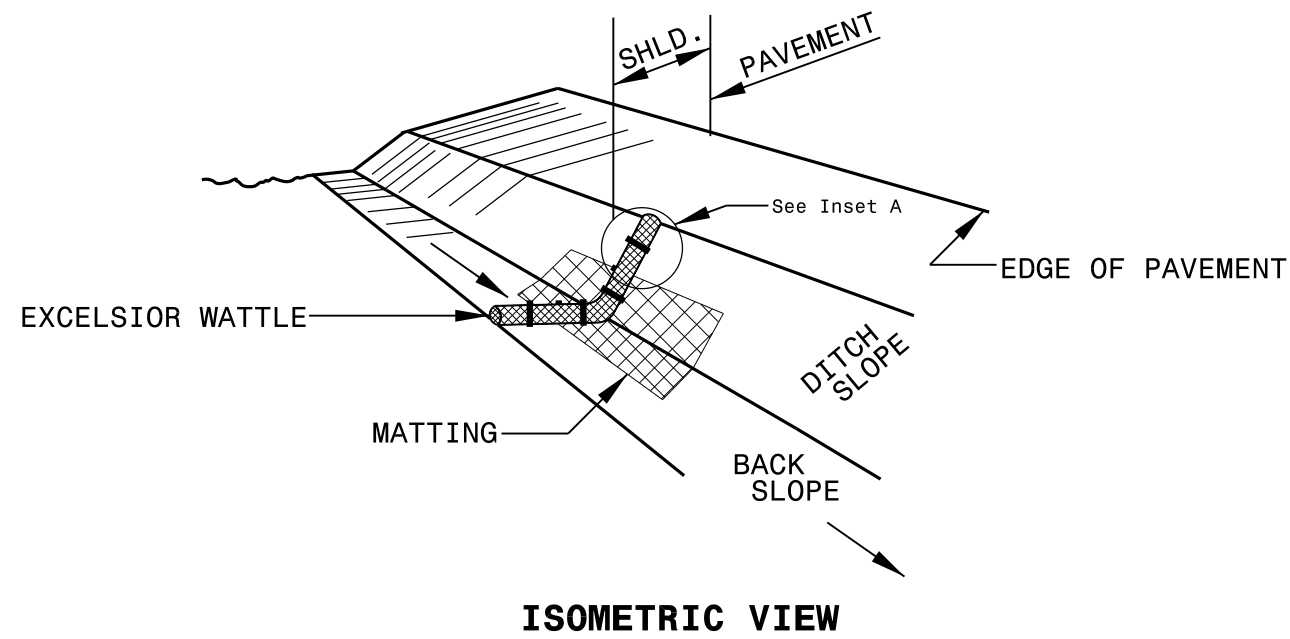


< 5' - 10' Undisturbed buffer from inlet, add wattle



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.

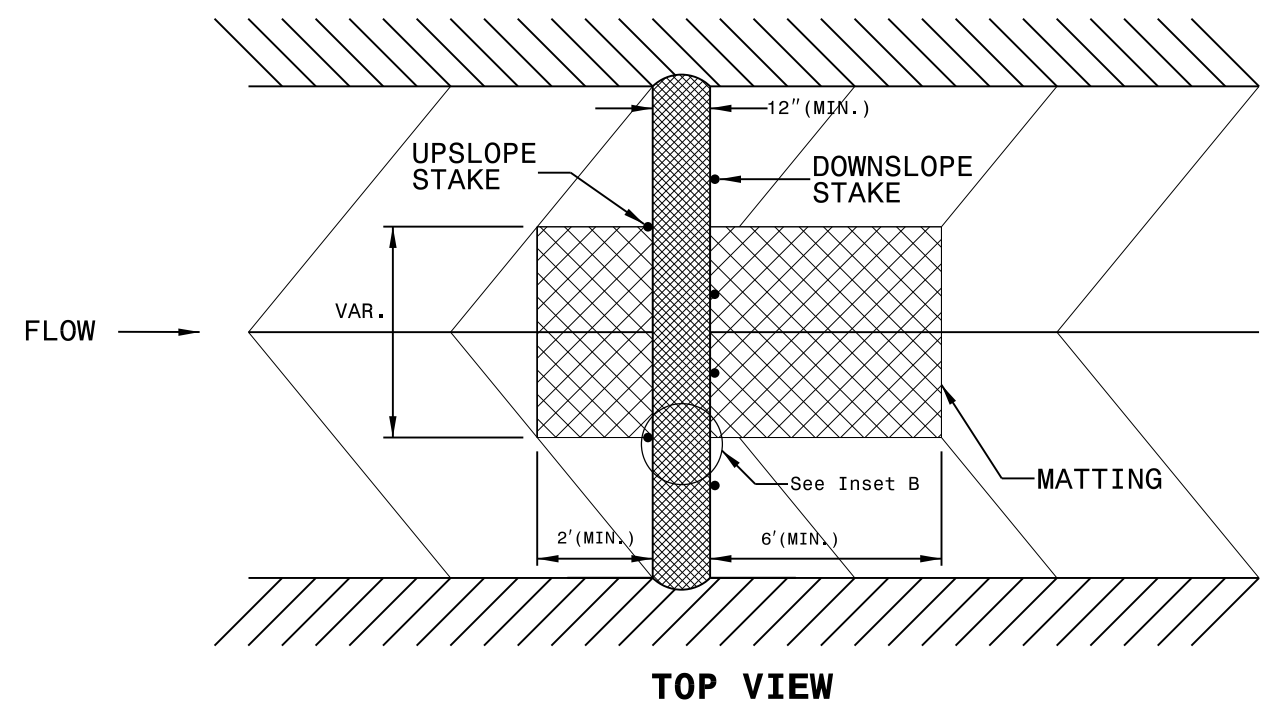
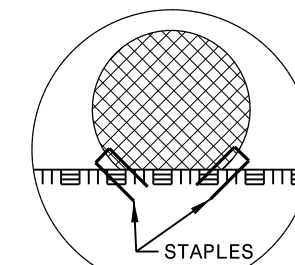
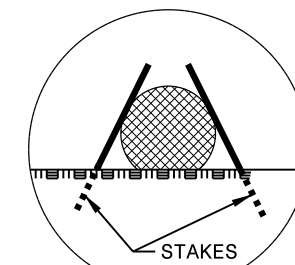
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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:\FFB-2015\1141\01\Resurfacing\Plan_Sheets\3CR\20711.173_EC_RESURF_2015.dgn
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 User: jfanning

PROJECT NO.	SHEET NO.
2021CPT.03.18.10101, 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	0000400000-N	0106000000-E	0318000000-E	0320000000-E	0360000000-E	1220000000-E	1245000000-E	1308000000-E	1330000000-E		
												CONSTRUCTION SURVEYING	BORROW EXCAVATION	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	FOUNDATION CONDITIONING GEOTEXTILE	12"RCP CULVERTS, CL. III	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	0" - 1.25" MILLING	INCIDENTAL MILLING		
											LS	CY	TON	SY	LF	TON	SMI	SY	SY			
											MI	FT										
2021CPT.03.18.10101	Brunswick	1	NC 211 (SOUTHPORT-SUPPLY ROAD SE)	FROM 0.05 MILES SOUTH OF US 17 (OCEAN HWY.) TO 0.16 MILES EAST OF SR 1114 (ZION HILL RD.) [MP 16.37 - MP 19.26]	1	2	2WU	NO	NO	2.89	34 - 41		442				42	5.79		2,237		
TOTAL FOR MAP NO. 1											2.89	442				42	5.79		2,237			
TOTAL FOR PROJ NO. 2021CPT.03.18.10101											2.89	442				42	5.79		2,237			
2021CPT.03.18.20101	Brunswick	2	SR 1343 (LITTLE MACEDONIA ROAD NW)	FROM SR 1342 (MAKATOKA RD. NW) TO NC 211 (SOUTHPORT-SUPPLY RD.) [MP 0.00 - MP 2.55]	1	2	2WU	NO	NO	2.55	20		389				114	5.10				
TOTAL FOR MAP NO. 2											2.55	389				114	5.10					
2021CPT.03.18.20101	Brunswick	3	SR 1335 (BIG NECK ROAD NW)	FROM SR 1340 (EXUM RD. NW) TO NC 130 (WHITEVILLE RD. NW) [MP 5.30 - MP 13.07]	2	2	2WU	NO	NO	7.77	19		1,186				222	15.54				
TOTAL FOR MAP NO. 3											7.77	1,186				222	15.54					
2021CPT.03.18.20101	Brunswick	4	SR 1975 (WEST TANGLEWOOD DRIVE SW)	FROM SR 1137 (BOONES NECK RD. SW) TO (WATERVIEW DR. SW) [MP 0.00 - MP 0.53]	4	2	2WU	NO	NO	0.53	18		81				46	1.06				
TOTAL FOR MAP NO. 4											0.53	81				46	1.06					
2021CPT.03.18.20101	Brunswick	5	SR 1131 (CUMBEE ROAD SW)	FROM SR 1131 (CUMBEE RD.) BEGIN MAINTENANCE TO US 17 HWY. (OCEAN HWY.) [MP 0.53 - MP 1.47]	1	2	2WU	NO	NO	0.94	20		148				50	1.88		139		
TOTAL FOR MAP NO. 5											0.94	148				50	1.88		139			
2021CPT.03.18.20101	Brunswick	6	SR 1144 (FIRST STREET)	FROM RALEIGH ST. TO 0.18 MILES WEST OF BEAUFORT ST. [MP 0.47 TO MP 3.52]	5	2	2WU	NO	NO	3.05	30	1.00	880	5.00	18.00	8.00	200	5.92	34,731	2,058		
TOTAL FOR MAP NO. 6											3.05	1.00	880	5.00	18.00	8.00	200	5.92	34,731	2,058		
TOTAL FOR PROJ NO. 2021CPT.03.18.20101											14.84	1.00	2,684	5.00	18.00	8.00	632	29.50	34,731	2,197		
48804.3.1	Brunswick	7	SR 1144 (FIRST STREET)	FROM RALEIGH ST. TO 0.18 MILES WEST OF BEAUFORT ST. [MP 0.47 TO MP 3.52]	5	2	2WU	NO	NO	N/A	30											
TOTAL FOR MAP NO. 7											0											
TOTAL FOR PROJ NO. 48804.3.1											0											
GRAND TOTAL											17.73	1.00	3,126	5.00	18.00	8.00	674	35.29	34,731	4,434		

PROJECT NO.	SHEET NO.
2021CPT.03.18.10101, Etc.	10

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	2600000000-N	2738000000-E	2815000000-N	2830000000-N	2845000000-N	4025000000-E	4072000000-E	4102000000-N	5255000000-N	6000000000-E	6009000000-E		
												RETROFIT EXISTING CURB RAMP	INCIDENTAL CONC (GENERIC)	ADJUSTMENT OF DROP INLET	ADJUSTMENT OF MANHOLES	ADJUSTMENT OF METER OR VALVE BOX	CONTRACTOR FURNISHED, TYPE ***SIGN	SUPPORTS, 3-LB STEEL U-CHANNEL	SIGN ERECTION, TYPE E	PORTABLE LIGHTING	TEMPORARY SILT FENCE	STONE FOR EC CLASS B		
												EA	SY	EA	EA	EA	SF	LF	EA	LS	LF	TON		
2021CPT.03.18.10101	Brunswick	1	NC 211 (SOUTHPORT-SUPPLY ROAD SE)	FROM 0.05 MILES SOUTH OF US 17 (OCEAN HWY.) TO 0.16 MILES EAST OF SR 1114 (ZION HILL RD.) [MP 16.37 - MP 19.26]	1	2	2WU	NO	NO	2.89	34 - 41					2				1.00	289	61		
TOTAL FOR MAP NO. 1																	2				1.00	289	61	
TOTAL FOR PROJ NO. 2021CPT.03.18.10101																	2				1.00	289	61	
2021CPT.03.18.20101	Brunswick	2	SR 1343 (LITTLE MACEDONIA ROAD NW)	FROM SR 1342 (MAKATOKA RD. NW) TO NC 211 (SOUTHPORT-SUPPLY RD.) [MP 0.00 - MP 2.55]	1	2	2WU	NO	NO	2.55	20										255	64		
TOTAL FOR MAP NO. 2																							255	64
2021CPT.03.18.20101	Brunswick	3	SR 1335 (BIG NECK ROAD NW)	FROM SR 1340 (EXUM RD. NW) TO NC 130 (WHITEVILLE RD. NW) [MP 5.30 - MP 13.07]	2	2	2WU	NO	NO	7.77	19										777	194		
TOTAL FOR MAP NO. 3																							777	194
2021CPT.03.18.20101	Brunswick	4	SR 1975 (WEST TANGLEWOOD DRIVE SW)	FROM SR 1137 (BOONES NECK RD. SW) TO (WATERVIEW DR. SW) [MP 0.00 - MP 0.53]	4	2	2WU	NO	NO	0.53	18										53	13		
TOTAL FOR MAP NO. 4																							53	13
2021CPT.03.18.20101	Brunswick	5	SR 1131 (CUMBEE ROAD SW)	FROM SR 1131 (CUMBEE RD.) BEGIN MAINTENANCE TO US 17 HWY. (OCEAN HWY.) [MP 0.53 - MP 1.47]	1	2	2WU	NO	NO	0.94	20										97	24		
TOTAL FOR MAP NO. 5																							97	24
2021CPT.03.18.20101	Brunswick	6	SR 1144 (FIRST STREET)	FROM RALEIGH ST. TO 0.18 MILES WEST OF BEAUFORT ST. [MP 0.47 TO MP 3.52]	5	2	2WU	NO	NO	3.05	30	11	160	47	5	13	15	56	4		296	74		
TOTAL FOR MAP NO. 6												11	160	47	5	13	15	56	4		296	74		
TOTAL FOR PROJ NO. 2021CPT.03.18.20101												11	160	47	5	13	15	56	4		1,478	369		
48804.3.1	Brunswick	7	SR 1144 (FIRST STREET)	FROM RALEIGH ST. TO 0.18 MILES WEST OF BEAUFORT ST. [MP 0.47 TO MP 3.52]	5	2	2WU	NO	NO	N/A	30													
TOTAL FOR MAP NO. 7																					0			
TOTAL FOR PROJ NO. 48804.3.1																					0			
GRAND TOTAL												11	160	47	5	15	15	56	4		1.00	1,767	430	

PROJECT NO.	SHEET NO.
2021CPT.03.18.10101, Etc.	11

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	6012000000-E	6015000000-E	6018000000-E	6021000000-E	6036000000-E	6042000000-E	6071010000-E	6084000000-E	6090000000-E	6093000000-E	6117000000-N	
												SEDIMENT CONTROL STONE	TEMPORARY MULCHING	SEED FOR TEMPORARY SEEDING	FERTILIZER FOR TEMPORARY SEEDING	MATTING FOR EROSION CONTROL	1/4" HARDWARE CLOTH	WATTLE	SEED & MULCHING	SEED FOR REPAIR SEEDING	FERTILIZER FOR REPAIR SEEDING	RESPONSE FOR EROSION CONTROL	
											MI	FT	TON	ACR	LBS	TON	SY	LF	LF	AC	LB	TON	EA
2021CPT.03.18.10101	Brunswick	1	NC 211 (SOUTHPORT-SUPPLY ROAD SE)	FROM 0.05 MILES SOUTH OF US 17 (OCEAN HWY.) TO 0.16 MILES EAST OF SR 1114 (ZION HILL RD.) [MP 16.37 - MP 19.26]	1	2	2WU	NO	NO	2.89	34 - 41	61	2.89	145	0.72	20	145	60	2.80	145	0.72	6	
TOTAL FOR MAP NO. 1											2.89		61	2.89	145	0.72	20	145	60	2.80	145	0.72	6
TOTAL FOR PROJ NO. 2021CPT.03.18.10101											2.89		61	2.89	145	0.72	20	145	60	2.80	145	0.72	6
2021CPT.03.18.20101	Brunswick	2	SR 1343 (LITTLE MACEDONIA ROAD NW)	FROM SR 1342 (MAKATOKA RD. NW) TO NC 211 (SOUTHPORT-SUPPLY RD.) [MP 0.00 - MP 2.55]	1	2	2WU	NO	NO	2.55	20	64	2.55	128	0.64	20	128	40	2.47	128	0.64	4	
TOTAL FOR MAP NO. 2											2.55		64	2.55	128	0.64	20	128	40	2.47	128	0.64	4
2021CPT.03.18.20101	Brunswick	3	SR 1335 (BIG NECK ROAD NW)	FROM SR 1340 (EXUM RD. NW) TO NC 130 (WHITEVILLE RD. NW) [MP 5.30 - MP 13.07]	2	2	2WU	NO	NO	7.77	19	194	7.77	389	1.94	50	389	120	7.53	389	1.94	4	
TOTAL FOR MAP NO. 3											7.77		194	7.77	389	1.94	50	389	120	7.53	389	1.94	4
2021CPT.03.18.20101	Brunswick	4	SR 1975 (WEST TANGLEWOOD DRIVE SW)	FROM SR 1137 (BOONES NECK RD. SW) TO (WATERVIEW DR. SW) [MP 0.00 - MP 0.53]	4	2	2WU	NO	NO	0.53	18	13	0.53	27	0.13	10	27	10	0.51	27	0.13	2	
TOTAL FOR MAP NO. 4											0.53		13	0.53	27	0.13	10	27	10	0.51	27	0.13	2
2021CPT.03.18.20101	Brunswick	5	SR 1131 (CUMBEE ROAD SW)	FROM SR 1131 (CUMBEE RD.) BEGIN MAINTANCE TO US 17 HWY. (OCEAN HWY.) [MP 0.53 - MP 1.47]	1	2	2WU	NO	NO	0.94	20	24	0.97	49	0.24	10	49	20	0.94	49	0.24	2	
TOTAL FOR MAP NO. 5											0.94		24	0.97	49	0.24	10	49	20	0.94	49	0.24	2
2021CPT.03.18.20101	Brunswick	6	SR 1144 (FIRST STREET)	FROM RALEIGH ST. TO 0.18 MILES WEST OF BEAUFORT ST. [MP 0.47 TO MP 3.52]	5	2	2WU	NO	NO	3.05	30	74	2.96	148	0.74	250	50	50	2.87	148	0.74	4	
TOTAL FOR MAP NO. 6											3.05		74	2.96	148	0.74	250	50	50	2.87	148	0.74	4
TOTAL FOR PROJ NO. 2021CPT.03.18.20101											14.84		369	14.78	741	3.69	340	643	240	14.32	741	3.69	16
48804.3.1	Brunswick	7	SR 1144 (FIRST STREET)	FROM RALEIGH ST. TO 0.18 MILES WEST OF BEAUFORT ST. [MP 0.47 TO MP 3.52]	5	2	2WU	NO	NO	N/A	30												
TOTAL FOR MAP NO. 7											0												
TOTAL FOR PROJ NO. 48804.3.1											0												
GRAND TOTAL											17.73		430	17.67	886	4.41	360	788	300	17.12	886	4.41	22

PROJECT NO.	SHEET NO.
2021CPT.03.18.10101, Etc.	12

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4420000000-N	4457000000-N	4685000000-E		4695000000-E		4720000000-E	4725000000-E			4726100000-E	4726110000-E				
								MI	FT	SF	EA	LS	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	
2021CPT.03.18.10101	Brunswick	1	NC 211 (SOUTHPORT-SUPPLY ROAD SE)	FROM 0.05 MILES SOUTH OF US 17 (OCEAN HWY.) TO 0.16 MILES EAST OF SR 1114 (ZION HILL RD.) [MP 16.37 - MP 19.26]	1	2	2WU	2.89	34 - 41	272	2	0.24	29,235	31,253	600		32	12	7	15	1					
TOTAL FOR MAP NO. 1								2.89		272	2	0.24	29,235	31,253	600		32	12	7	15	1					
TOTAL FOR PROJ NO. 2021CPT.03.18.10101								2.89		272	2	0.24	29,235	31,253	600		32	12	7	15	1					
													60,488		600						35					
2021CPT.03.18.20101	Brunswick	2	SR 1343 (LITTLE MACEDONIA ROAD NW)	FROM SR 1342 (MAKATOKA RD. NW) TO NC 211 (SOUTHPORT-SUPPLY RD.) [MP 0.00 - MP 2.55]	1	2	2WU	2.55	20	288		0.14														
TOTAL FOR MAP NO. 2								2.55		288		0.14														
2021CPT.03.18.20101	Brunswick	3	SR 1335 (BIG NECK ROAD NW)	FROM SR 1340 (EXUM RD. NW) TO NC 130 (WHITEVILLE RD. NW) [MP 5.30 - MP 13.07]	2	2	2WU	7.77	19	864		0.37														
TOTAL FOR MAP NO. 3								7.77		864		0.37														
2021CPT.03.18.20101	Brunswick	4	SR 1975 (WEST TANGLEWOOD DRIVE SW)	FROM SR 1137 (BOONES NECK RD. SW) TO (WATERVIEW DR. SW) [MP 0.00 - MP 0.53]	4	2	2WU	0.53	18			0.05														
TOTAL FOR MAP NO. 4								0.53				0.05														
2021CPT.03.18.20101	Brunswick	5	SR 1131 (CUMBEE ROAD SW)	FROM SR 1131 (CUMBEE RD.) BEGIN MAINTENANCE TO US 17 HWY. (OCEAN HWY.) [MP 0.53 - MP 1.47]	1	2	2WU	0.94	20			0.04														
TOTAL FOR MAP NO. 5								0.94				0.04														
2021CPT.03.18.20101	Brunswick	6	SR 1144 (FIRST STREET)	FROM RALEIGH ST. TO 0.18 MILES WEST OF BEAUFORT ST. [MP 0.47 TO MP 3.52]	5	2	2WU	3.05	30	77		0.16	31,464	31,464		335						12	22			
TOTAL FOR MAP NO. 6								3.05		77		0.16	31,464	31,464		335								12	22	
TOTAL FOR PROJ NO. 2021CPT.03.18.20101								14.84		1,229		0.76	31,464	31,464		335								12	22	
													62,928		335						26					
48804.3.1	Brunswick	7	SR 1144 (FIRST STREET)	FROM RALEIGH ST. TO 0.18 MILES WEST OF BEAUFORT ST. [MP 0.47 TO MP 3.52]	5	2	2WU	N/A	30																	
TOTAL FOR MAP NO. 7								0																		
TOTAL FOR PROJ NO. 48804.3.1								0																		
GRAND TOTAL								17.73		1,501	2	1.00	60,699	62,717	600	335		32	12	33	15	1	12	22		
													123,416		935						61					

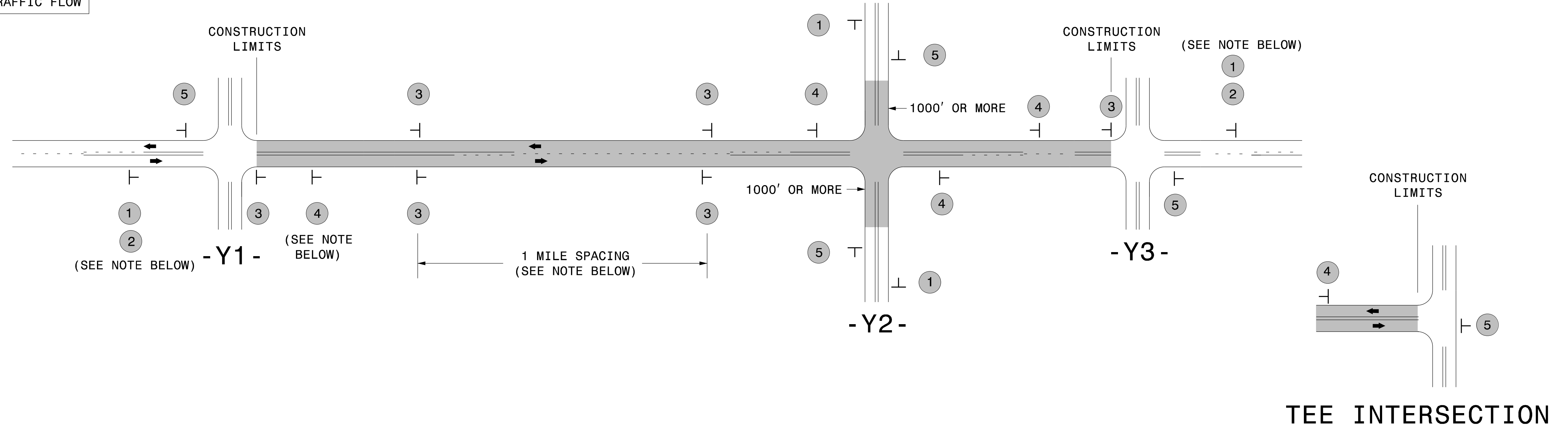
PROJECT NO.	SHEET NO.
2021CPT.03.18.10101, Etc.	13

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4810000000-E		4820000000-E	4835000000-E	4850000000-E	4891000000-E	4900000000-N	4905000000-N					
										4" WHITE PAINT	4" YELLOW PAINT	8" WHITE PAINT	24" WHITE PAINT	REMOVAL OF PAVEMENT MARKING LINES (4")	GENERIC MARKING, 24" X 90 M WHITE THERMO	YELLOW & YELLOW MARKERS	SNOW PLOWABLE MARKERS (Y/Y)	SNOW PLOWABLE MARKERS (C/R)				
										MI	FT	LF	LF	LF	LF	EA	EA	EA				
2021CPT.03.18.10101	Brunswick	1	NC 211 (SOUTHPORT-SUPPLY ROAD SE)	FROM 0.05 MILES SOUTH OF US 17 (OCEAN HWY.) TO 0.16 MILES EAST OF SR 1114 (ZION HILL RD.) [MP 16.37 - MP 19.26]	1	2	2WU	2.89	34 - 41	1,200	1,200			1,200	110	4	319	118				
TOTAL FOR MAP NO. 1											2.89			1,200	110	4	319	118				
TOTAL FOR PROJ NO. 2021CPT.03.18.10101											2.89			1,200	110	4	319	118				
										2,400						437						
2021CPT.03.18.20101	Brunswick	2	SR 1343 (LITTLE MACEDONIA ROAD NW)	FROM SR 1342 (MAKATOKA RD. NW) TO NC 211 (SOUTHPORT-SUPPLY RD.) [MP 0.00 - MP 2.55]	1	2	2WU	2.55	20	53,856	41,810					169						
TOTAL FOR MAP NO. 2											2.55					169						
2021CPT.03.18.20101	Brunswick	3	SR 1335 (BIG NECK ROAD NW)	FROM SR 1340 (EXUM RD. NW) TO NC 130 (WHITEVILLE RD. NW) [MP 5.30 - MP 13.07]	2	2	2WU	7.77	19	164,102	123,077					513						
TOTAL FOR MAP NO. 3											7.77					513						
2021CPT.03.18.20101	Brunswick	4	SR 1975 (WEST TANGLEWOOD DRIVE SW)	FROM SR 1137 (BOONES NECK RD. SW) TO (WATERVIEW DR. SW) [MP 0.00 - MP 0.53]	4	2	2WU	0.53	18													
TOTAL FOR MAP NO. 4											0.53											
2021CPT.03.18.20101	Brunswick	5	SR 1131 (CUMBEE ROAD SW)	FROM SR 1131 (CUMBEE RD.) BEGIN MAINTENANCE TO US 17 HWY. (OCEAN HWY.) [MP 0.53 - MP 1.47]	1	2	2WU	0.94	20	20,486	14,078					65						
TOTAL FOR MAP NO. 5											0.94					65						
2021CPT.03.18.20101	Brunswick	6	SR 1144 (FIRST STREET)	FROM RALEIGH ST. TO 0.18 MILES WEST OF BEAUFORT ST. [MP 0.47 TO MP 3.52]	5	2	2WU	3.05	30		62,515	335	340		170	196						
TOTAL FOR MAP NO. 6											3.05			62,515	335	340	170	196				
TOTAL FOR PROJ NO. 2021CPT.03.18.20101											14.84			238,444	241,480	335	340	170	943			
										479,924												
48804.3.1	Brunswick	7	SR 1144 (FIRST STREET)	FROM RALEIGH ST. TO 0.18 MILES WEST OF BEAUFORT ST. [MP 0.47 TO MP 3.52]	5	2	2WU	N/A	30													
TOTAL FOR MAP NO. 7											0											
TOTAL FOR PROJ NO. 48804.3.1											0											
GRAND TOTAL											17.73			239,644	242,680	335	340	1,200	280	947	319	118
										482,324						437						

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"> 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;"> 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		- 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		- 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.	

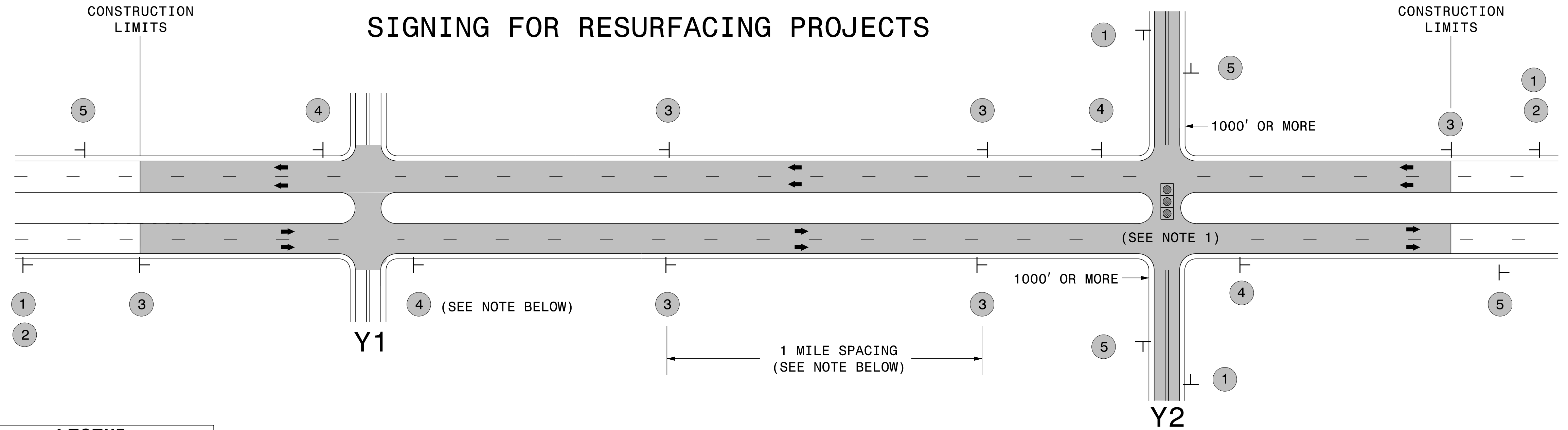
THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.

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



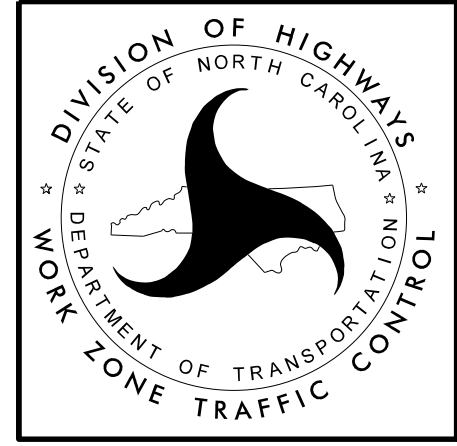
LEGEND
 ┆ STATIONARY SIGN
 ← DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	 	<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)</p>	<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, ADVANCE WARNING PORTABLE 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;"> <small>W20-1 48" X 48"</small> </div> <div style="text-align: center;"> <small>W20-7 A 48" X 48"</small> </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p> <p>NOTES:</p> <ol style="list-style-type: none"> 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.
		<p>PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.</p>	
		<p>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.</p>	
		<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</p>	

3/23/2015
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 User:rmgarrrett

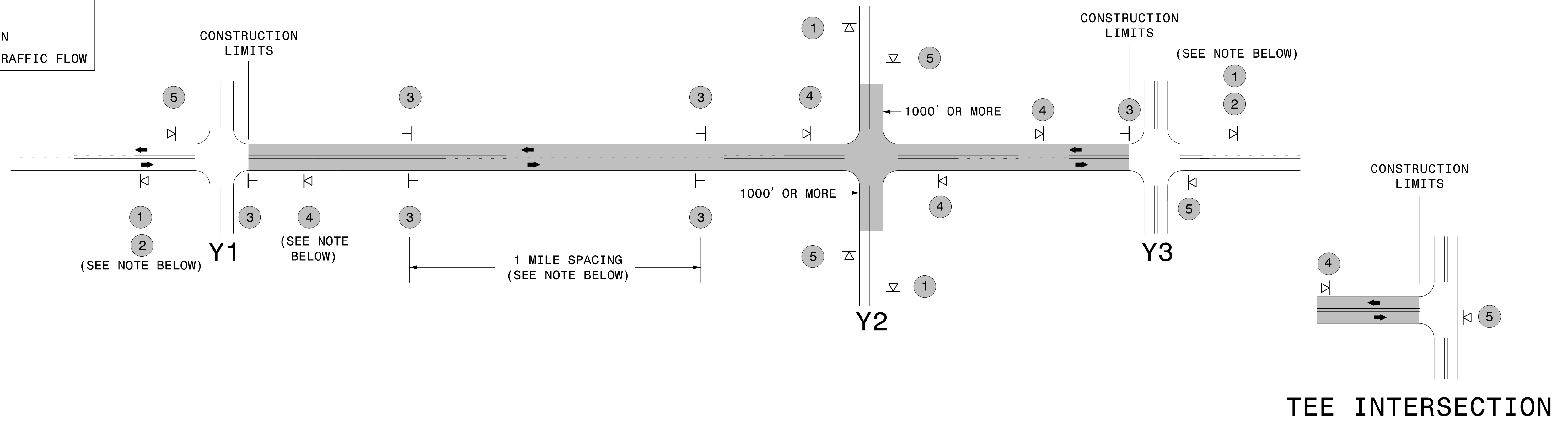


**RESURFACING
 ADVANCE WARNING SIGNS
 FOR RURAL AND SUBURBAN
 MULTI-LANE ROADWAYS
 W/ SHOULDER SECTIONS**

SIGNING FOR ASPHALT SURFACE TREATMENT

LEGEND

- ▷ PORTABLE SIGN
- └ 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.	STATIONARY SIGNING NOT REQUIRED 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.	
	2	 W7-3qP 24" X 18"	- SIGN #2 ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO THE NEAREST WHOLE NUMBER. DO NOT USE FRACTIONAL OR DECIMAL NUMBERS.		
	3	 W8-7 48" X 48"	- ALTERNATE THE FOLLOWING TWO SIGNS: - STARTING WITH "LOOSE GRAVEL" (W8-7) FOLLOWED BY "UNMARKED PAVEMENT". - PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER.		
	4	 SP 48" X 48"	- AT TEE INTERSECTIONS INSTALL INITIALLY 0.5 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.		
	5	 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.		
5	 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.	 W20-1 48" X 48"	PLACED 500' IN ADVANCE OF FLAGGER.	
				 W20-7 A 48" X 48"	PLACED 250' IN ADVANCE OF FLAGGER.

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 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.

ADVANCE WARNING SIGNS FOR 2-LANE ROADWAY ASPHALT SURFACE TREATMENT