

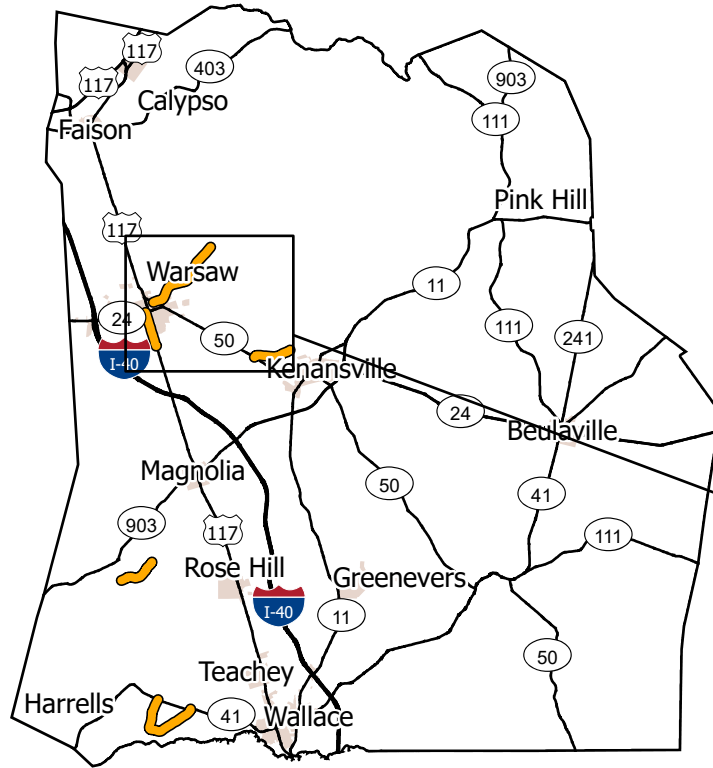
WBS NO:2025CPT.03.03.20311

CONTRACT: DC00456

**STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
DUPLIN COUNTY**

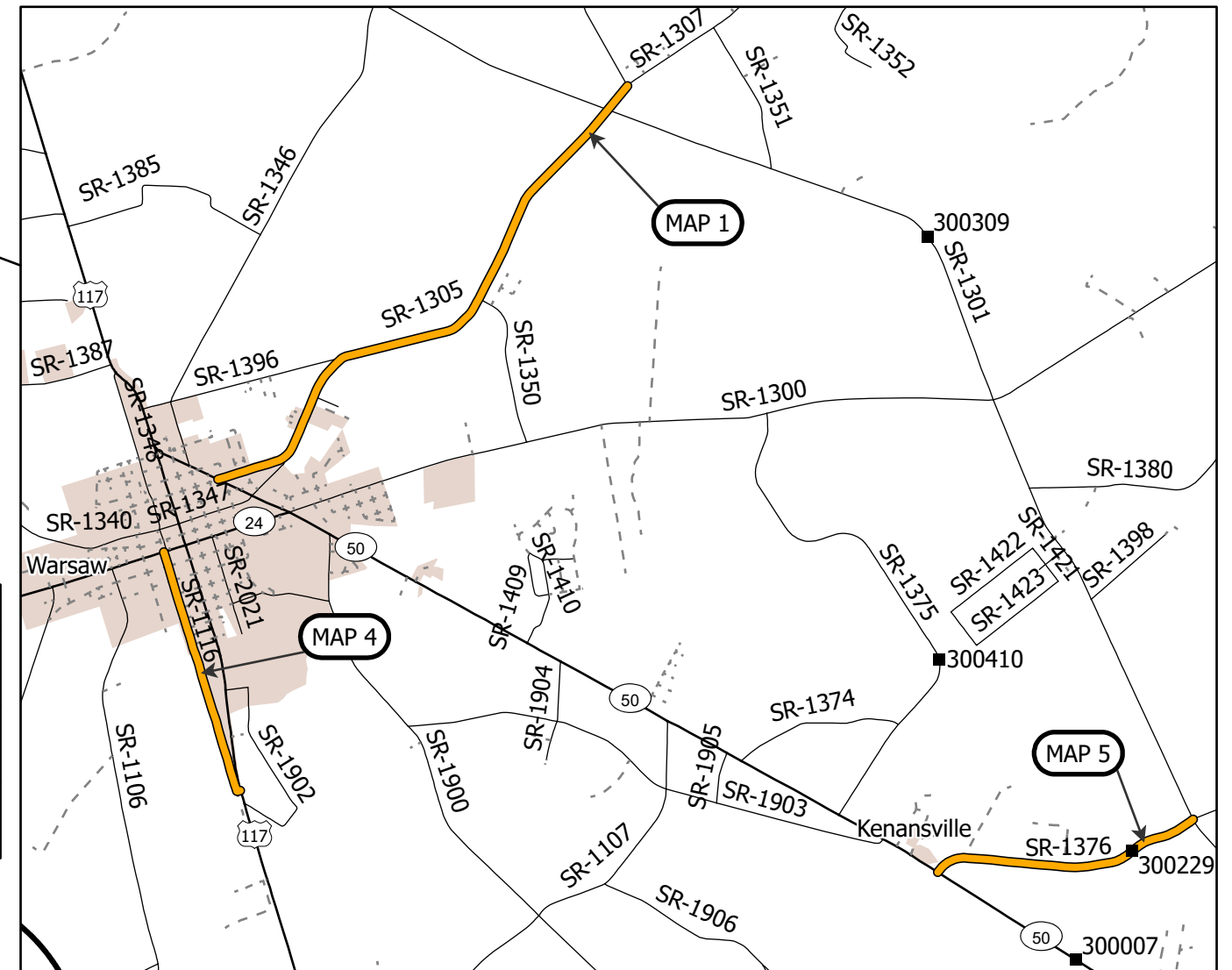
TYPE OF WORK: RESURFACING

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2025CPT.03.03.20311	1
STATE PROJECT NUMBER		DESCRIPTION



- Resurfacing
- Division 3 Bridges

MAP	ROUTE	Description	TYPE
1	SR-1305 / REVELLE RD	FROM NC HWY 50 (MEMORIAL DR) TO SR 1307 (EVA JAMES RD) [MP 0.00 - MP 3.71]	Resurfacing
4	SR-1116 / S RAILROAD ST	FROM NC HWY 24 (W COLLEGE ST) TO US HWY 117 [MP 0.00 - MP 1.55]	Resurfacing
5	SR-1376 / FAISON W MCGOWEN RD	FROM 1301 (BOWDENS RD) TO NC HWY 50/24 BUS [MP 0.00 - MP 1.68]	Resurfacing



PROJECT LENGTH

MAP	MILES
1	3.71
4	1.55
5	1.68

Prepared in the Office of:
DIVISION OF HIGHWAYS
5501 BARBADOS BLVD., CASTLE HAYNE, NC, 28429

This exhibit does not meet NC 47-30 requirements and therefore is not intended for design, construction, or recording or transfer of title.



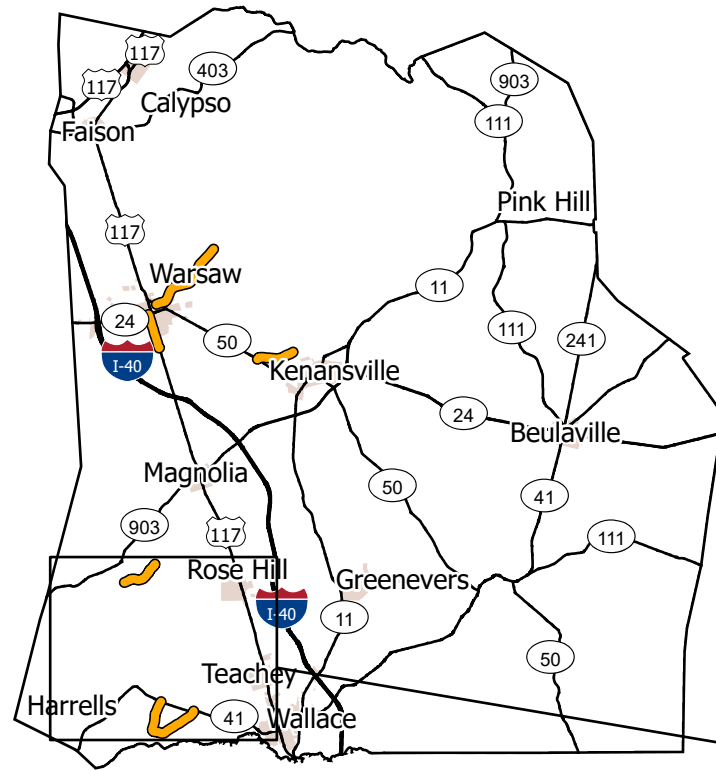
WBS NO:2025CPT.03.03.20311

CONTRACT: DC00456

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS DUPLIN COUNTY

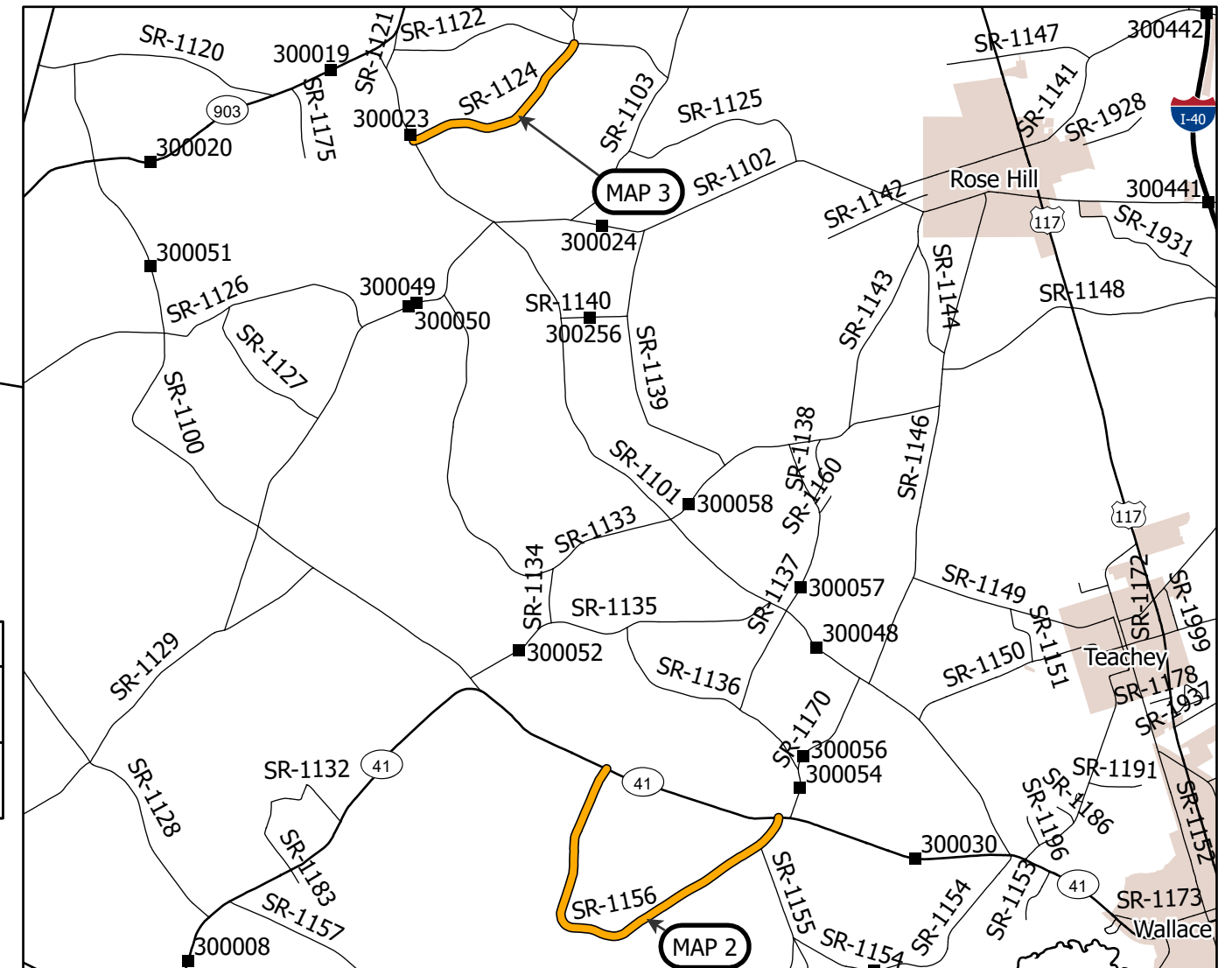
TYPE OF WORK: RESURFACING

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2025CPT.03.03.20311	2
STATE PROJECT NUMBER		DESCRIPTION



- Resurfacing
- Division 3 Bridges

MAP	ROUTE	Description	TYPE
2	SR-1156 / KENAN LOOP RD	FROM NC HWY 41 (WALLACE HWY) TO NC HWY 41 (WALLACE HWY)[MP 0.00 - MP 3.52]	Resurfacing
3	SR-1124 / BETHOLITE RD	FROM SR 1122 (BLUE NEWKIRK RD) TO SR 1101 (CORNWALLIS RD) [MP 0.00 - MP 1.70]	Resurfacing



PROJECT LENGTH

MAP	MILES
2	3.52
3	1.70

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PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½' DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
T1	EARTH MATERIAL SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT

NOTES:

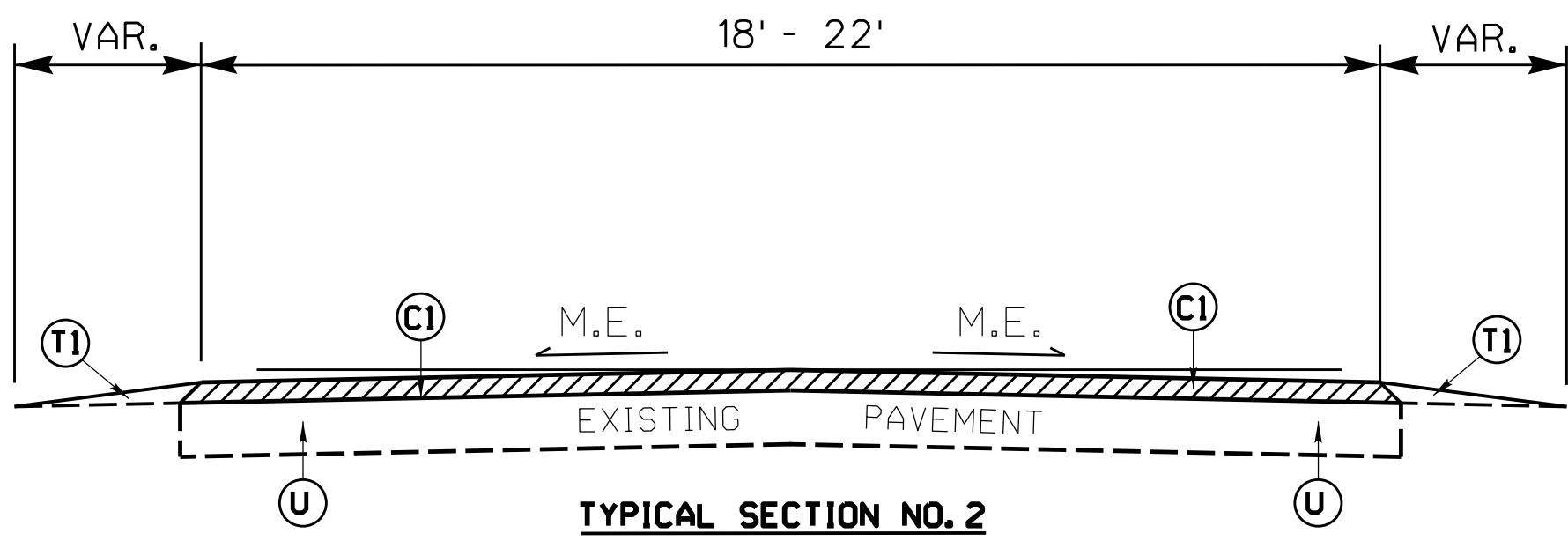
MILL A SINGLE LANE AND PAVE BACK BY THE END OF EACH WORK DAY.

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

MAP NO. 5: STRIPING AT EACH END OF SR 1376 TO BE DETERMINED BY ENGINEER.

MAP NO. 5: EXISTING ISLANDS TO BE REMOVED. EXCAVATE APPROXIMATELY 12" BELOW EXISTING GRADE..

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



MAP NO. 2
SR 1156 KENAN LOOP RD.
MP 0.00 - MP 3.52

MAP NO. 3
SR 1124 BETHOLITE RD.
MP 0.00 - MP 1.70

MAP NO. 4
SR 1116 S RAILROAD ST.
MP 0.00 - MP 1.55

MAP NO. 5
SR 1376 FAISON W MCGOWEN RD.
MP 0.00 - MP 0.40
MP 0.45 - 1.68

REVISIONS

8/17/99
\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$SECTION\$\$\$\$\$
\$\$\$\$\$SERIAL\$\$\$\$\$

2024 ROADWAY ENGLISH STANDARD DRAWINGS		EFF.01-16-2024
		REV.
The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N.C. Department of Transportation - Raleigh, N.C., Dated January, 2024 are applicable to this project and by reference hereby are considered a part of these plans:		
STD.NO.	TITLE	
DIVISION 8 - INCIDENTALS		
852.01	Concrete Islands	
862.01	Guardrail Placement	
862.02	Guardrail Installation	
DIVISION 12 - PAVT MARKING, MARKERS AND DELINEATION		
1205.08	Pavement Markings - Symbols & Word Messages	

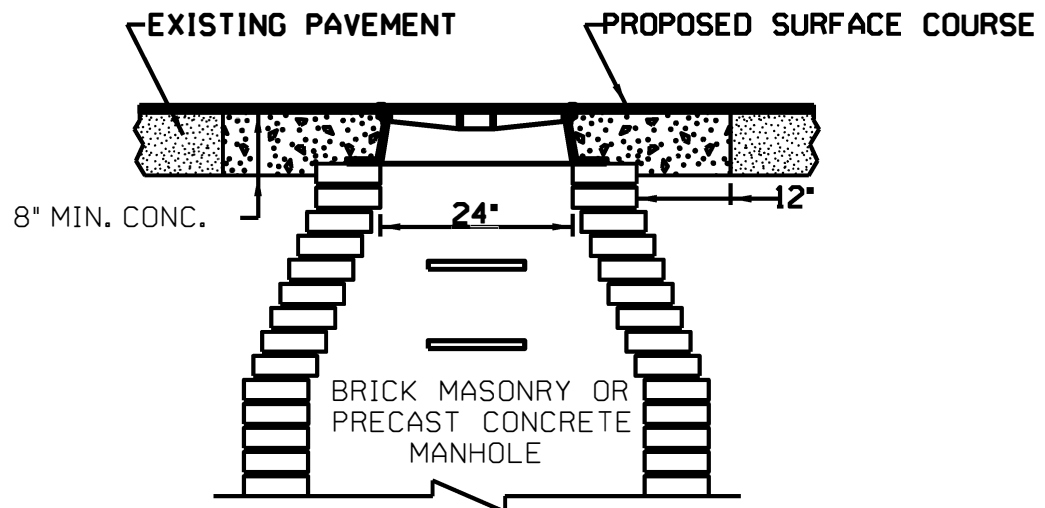
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
MANHOLE AND VALVE BOX ADJUSTMENTS

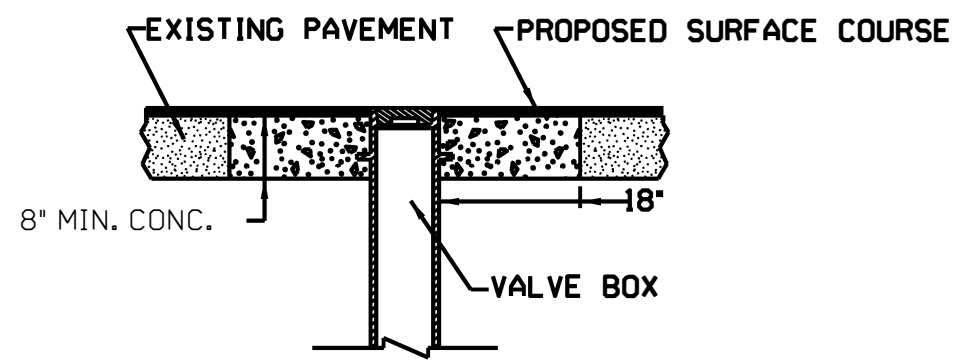
840055

GENERAL NOTES:

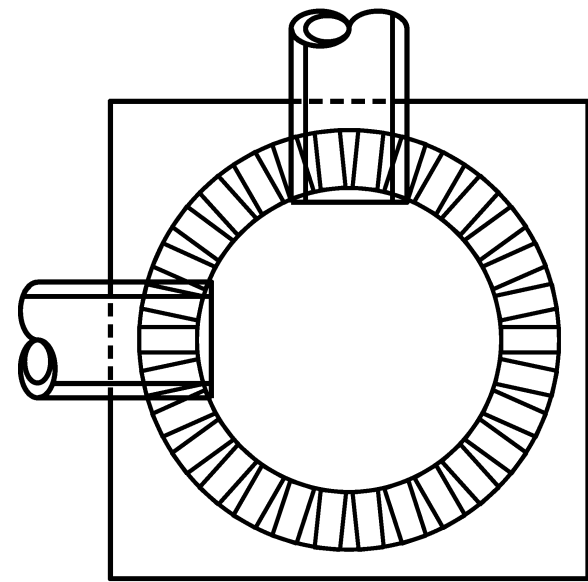
1. USE RAPID SET GROUT, MORTAR, OR CONCRETE THAT WILL TAKE FULL SET AND BECOME LOAD BEARING WITHIN SIXTY MINUTES OF PLACEMENT WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
2. REMOVE ALL FAULTY EXISTING BRICKWORK AND REPLACE WITH NEW BRICK MASONRY.
3. SHEER CUT EXCAVATION FOR THE ADJUSTMENT ON ALL 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 2024 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

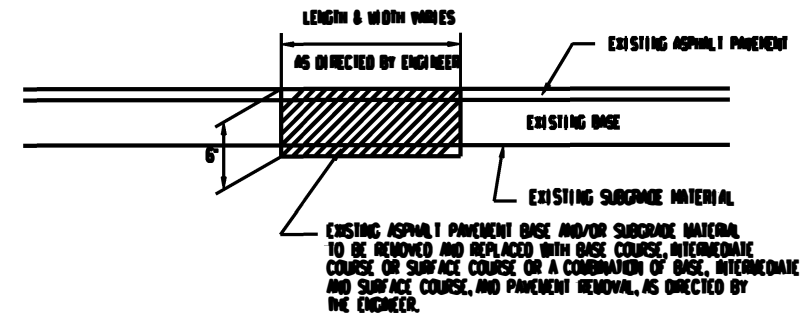
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REVISIONS

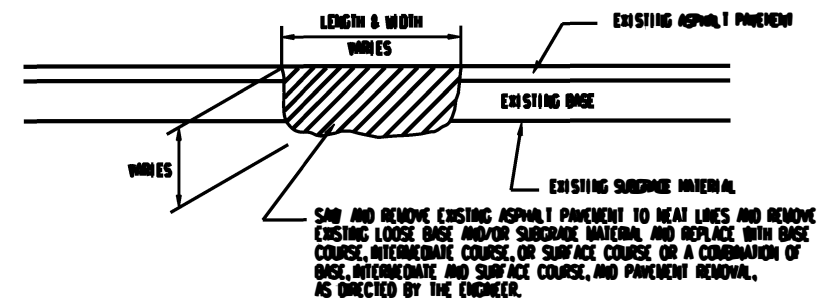
8/17/99

SYSTEMS
DESIGN
NAME

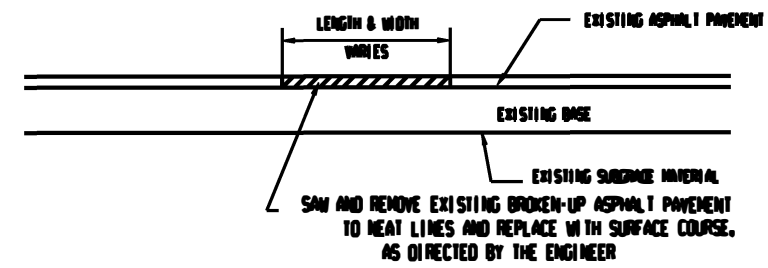
DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



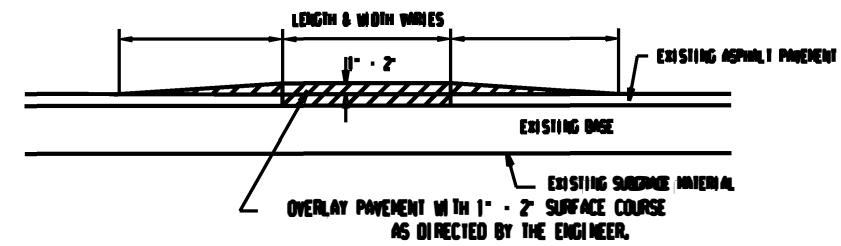
DETAIL NO. 1



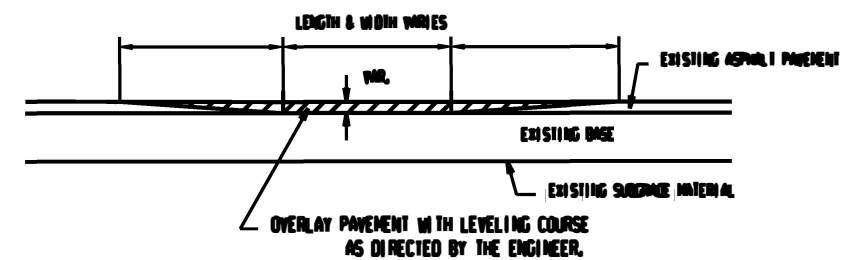
DETAIL NO. 2



DETAIL NO. 3



DETAIL NO. 4

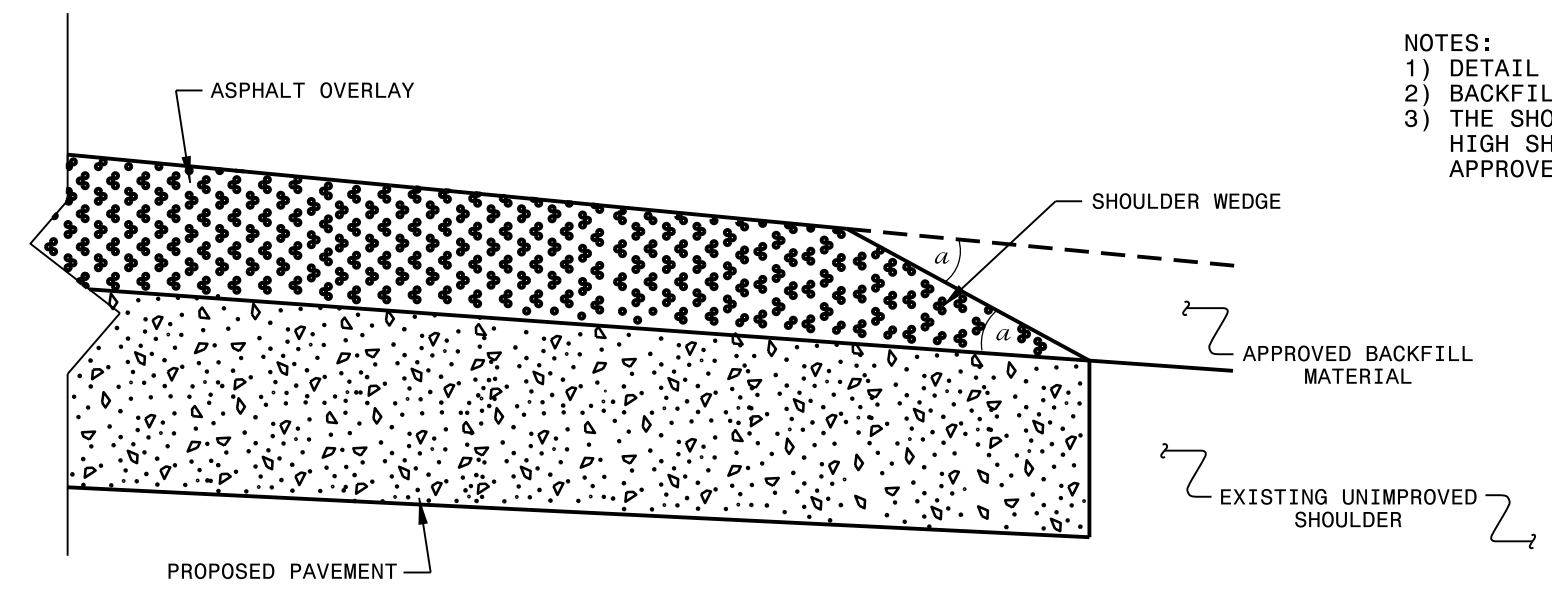


DETAIL NO. 5

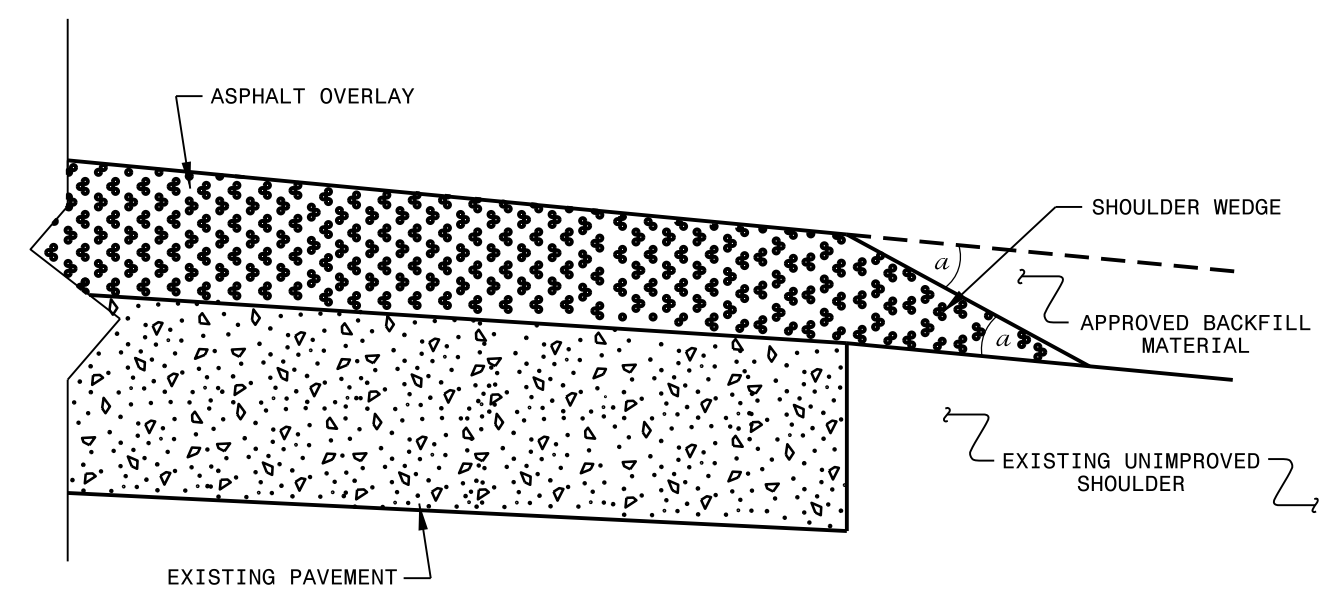
REV. 8.0 NS

SYSTEMS
 8/17/99
 2025CPT.03.03.20311

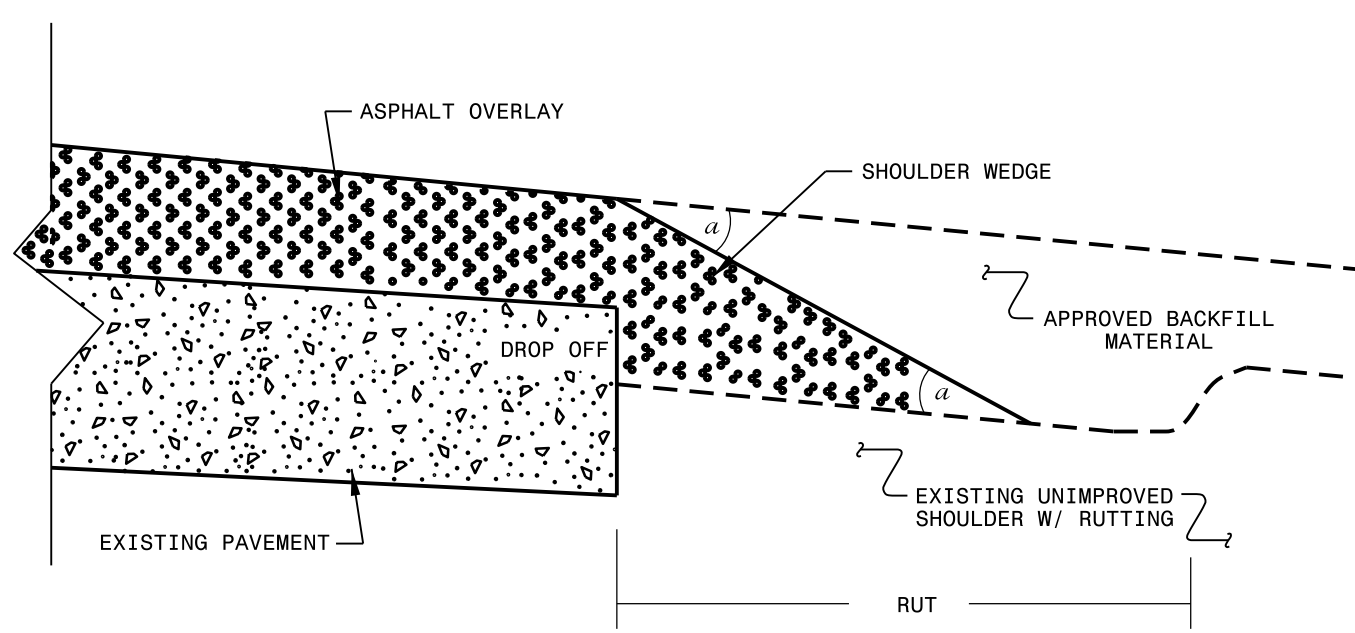
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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:\usr\details\stand\shoulderwedgedetail.dgn
 3\Sampson August 2018 Revised Shoulder Wedge Detail.dgn
 P:\porter_41_CSD_20152542

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

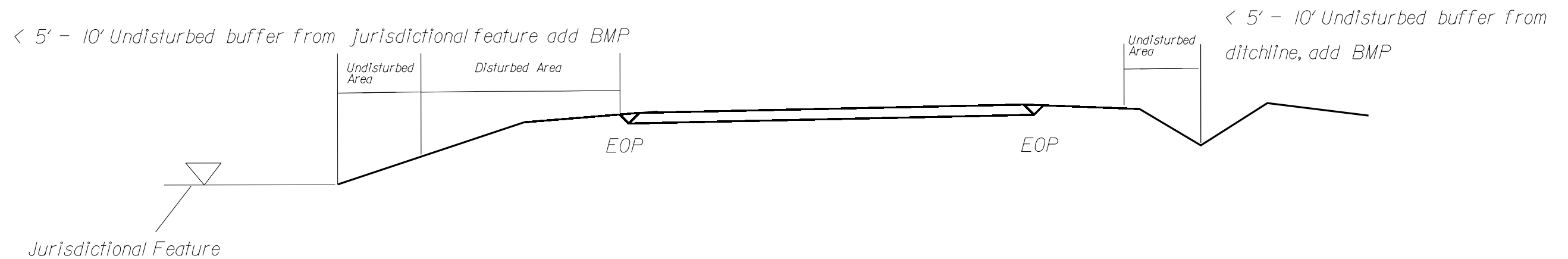
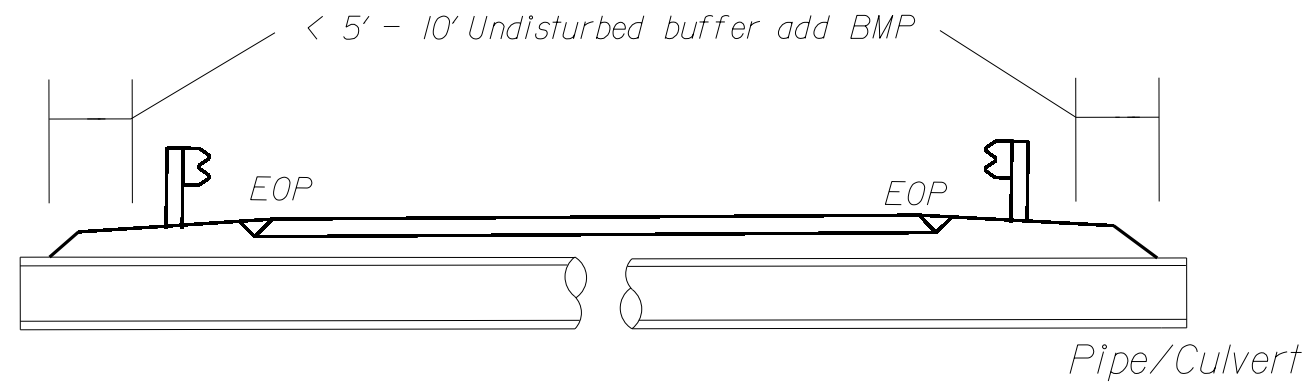
SOIL STABILIZATION TIMEFRAMES

<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.

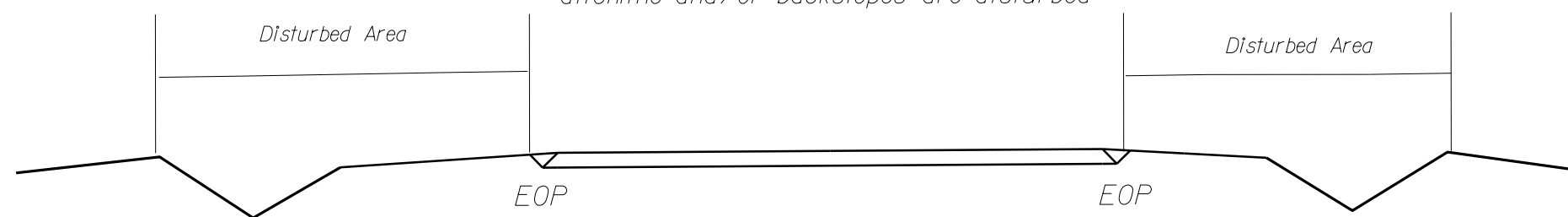
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

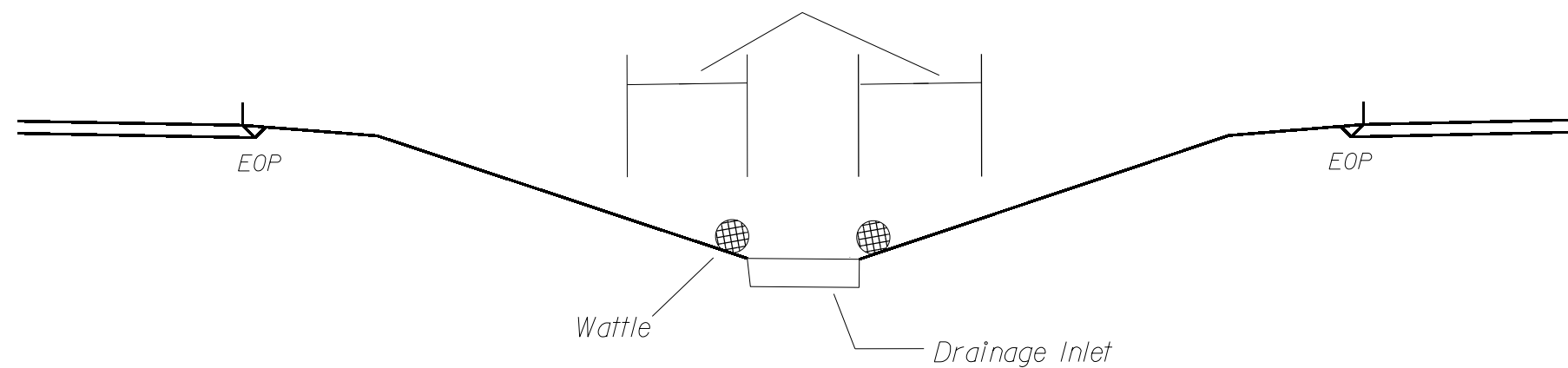
EROSION CONTROL DETAIL



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

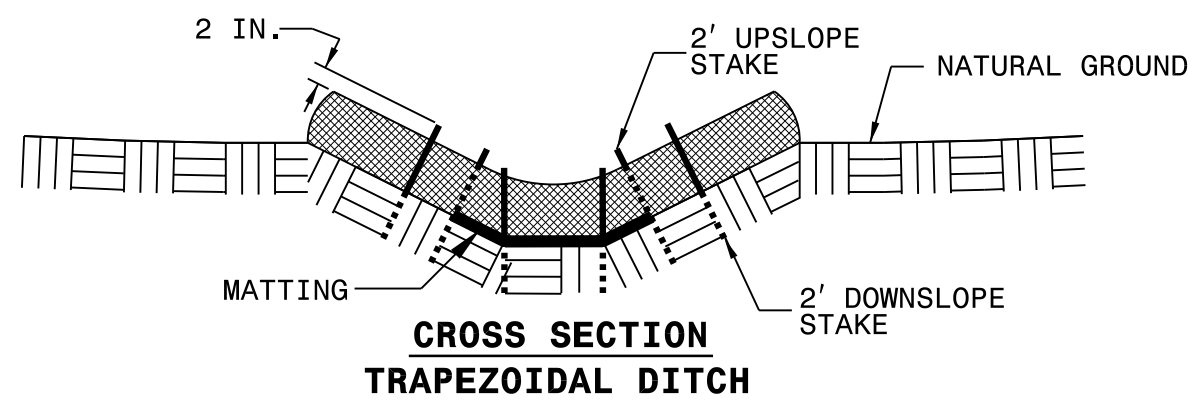
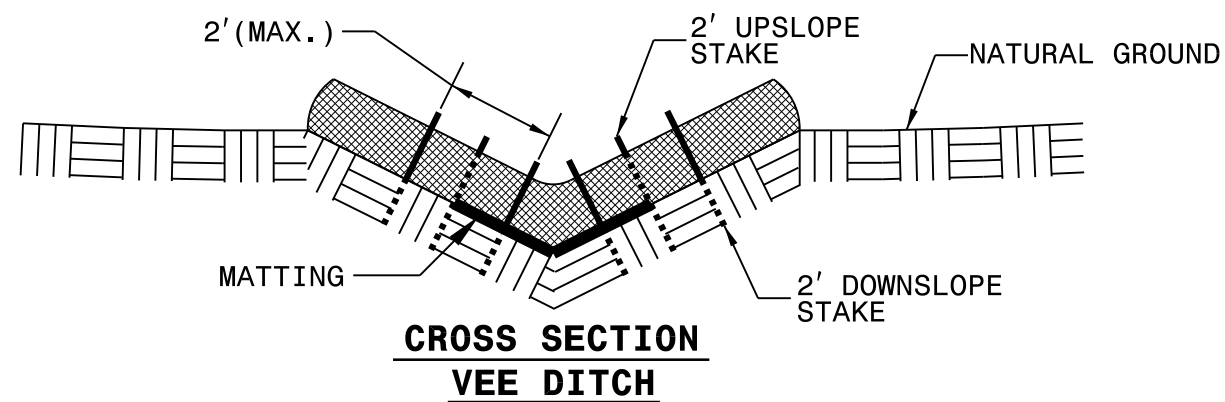
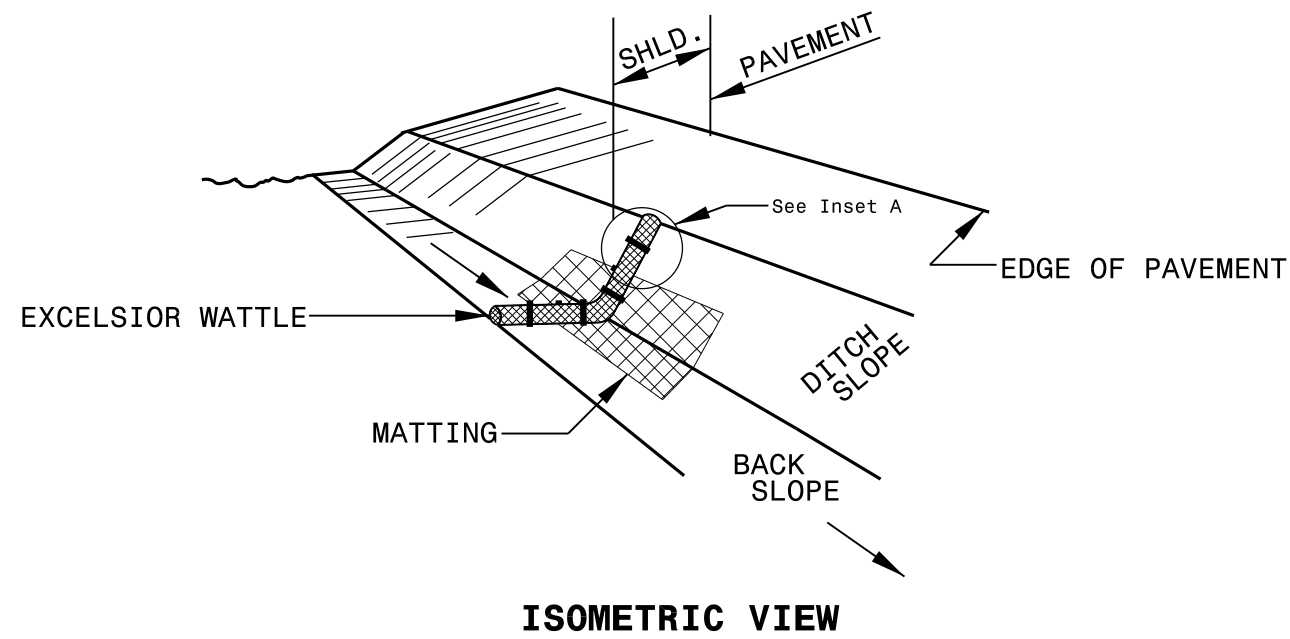


< 5' - 10' Undisturbed buffer from inlet, add wattle



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.

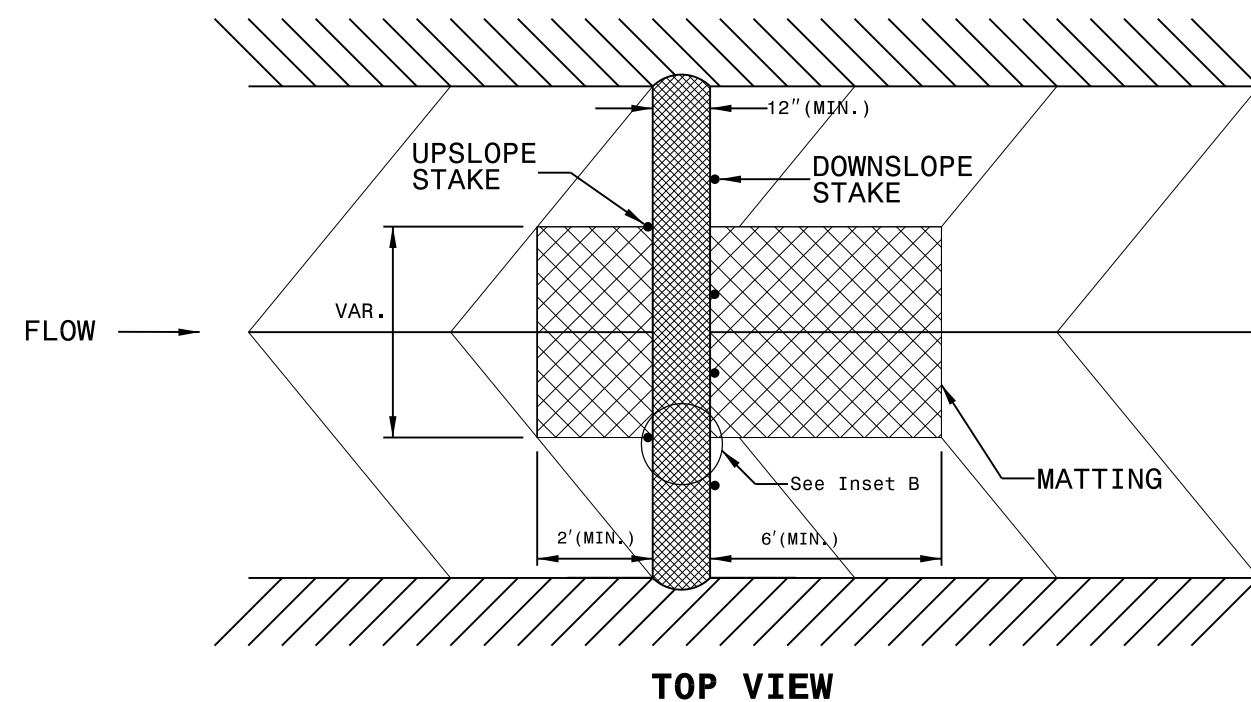
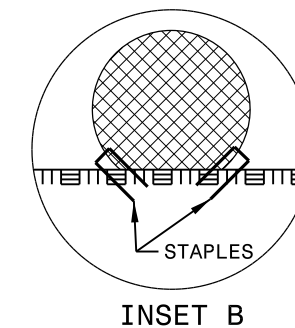
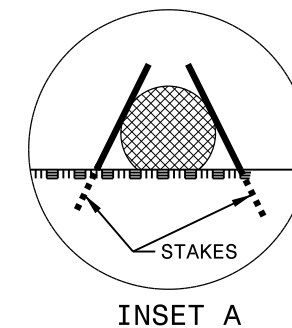
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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\1141\01\Resurfacing\Plan_Sheets\3CR.20711.173. EC RESURF. 2015.dgn

PROJECT NO.	SHEET NO.
2025CPT.03.03.20311	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	BEGIN MP	END MP	0234000000-E	1220000000-E	1245000000-E	1330000000-E	1491000000-E	1519000000-E	1520000000-E				
										MI	FT			STATE FURNISHED BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	INCIDENTAL MILLING	BASE COURSE, B25.0C	SURFACE COURSE, S9.5B	LEVELING COURSE, S9.5B				
														MI	FT			CY	TON	SMI	SY	TONS	TON	TON
2025CPT.03.03.20311	Duplin	1	SR-1305 / REVELLE RD	FROM NC HWY 50 (MEMORIAL DR) TO SR 1307 (EVA JAMES RD) [MP 0.00 - MP 3.71]	1	2	2WU	NO	NO	3.71	22	0	3.71	443	126	7.42	1,513	2,950	3,810					
TOTAL FOR MAP NO. 1										3.71				443	126	7.42	1,513	2,950	3,810					
2025CPT.03.03.20311	Duplin	2	SR-1156 / KENAN LOOP RD	FROM NC HWY 41 (WALLACE HWY) TO NC HWY 41 (WALLACE HWY) [MP 0.00 - MP 3.52]	2	2	2WU	NO	NO	3.52	20	0	3.52	420	76	7.04	834		3,636	30				
TOTAL FOR MAP NO. 2										3.52				420	76	7.04	834		3,636	30				
2025CPT.03.03.20311	Duplin	3	SR-1124 / BETHOLITE RD	FROM SR 1122 (BLUE NEWKIRK RD) TO SR 1101 (CORNWALLIS RD) [MP 0.00 - MP 1.70]	2	2	2WU	NO	NO	1.70	20	0	1.70	203	32	3.40	233		1,734					
TOTAL FOR MAP NO. 3										1.70				203	32	3.40	233		1,734					
2025CPT.03.03.20311	Duplin	4	SR-1116 / S RAILROAD ST	FROM NC HWY 24 (W COLLEGE ST) TO US HWY 117 [MP 0.00 - MP 1.55]	2	2	2WU	NO	NO	1.55	18	0	1.55	187	52	3.10	336		1,514	50				
TOTAL FOR MAP NO. 4										1.55				187	52	3.10	336		1,514	50				
2025CPT.03.03.20311	Duplin	5	SR-1376 / FAISON W MCGOWEN RD	FROM 1301 (BOWDENS RD) TO NC HWY 50/24 BUS [MP 0.00 - MP 1.68]	2	2	2WU	NO	NO	1.68	22	0	1.68	200	52	3.36	845		1,860					
TOTAL FOR MAP NO. 5										1.68				200	52	3.36	845		1,860					
TOTAL FOR PROJ NO. 2025CPT.03.03.20311										12.16				1,453	338	24.32	3,761	2,950	12,554	80				
GRAND TOTAL										12.16				1,453	338	24.32	3,761	2,950	12,554	80				

PROJECT NO.	SHEET NO.
2025CPT.03.03.20311	9

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	BEGIN MP	END MP	1575000000-E	1705000000-E	1705500000-E	1881000000-E		2738000000-E	2830000000-N
										MI	FT			ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT (FULL DEPTH)	PATCHING EXISTING PAVEMENT (MILL)	SINUSOIDAL MILLED RUMBLE STRIPS (18 INCH), TYPE CENTERLINE	SINUSOIDAL MILLED RUMBLE STRIPS (14 INCH), TYPE SHOULDER	REMOVE EXISTING ASPHALT ISLAND	ADJUSTMENT OF MANHOLES
										TON	TON	TON	LF	LF	SY	EA				
2025CPT.03.03.20311	Duplin	1	SR-1305 / REVELLE RD	FROM NC HWY 50 (MEMORIAL DR) TO SR 1307 (EVA JAMES RD) [MP 0.00 - MP 3.71]	1	2	2WU	NO	NO	3.71	22	0	3.71	449		1,430	24,487	39,178		
TOTAL FOR MAP NO. 1										3.71				449		1,430	24,487	39,178		
2025CPT.03.03.20311	Duplin	2	SR-1156 / KENAN LOOP RD	FROM NC HWY 41 (WALLACE HWY) TO NC HWY 41 (WALLACE HWY) [MP 0.00 - MP 3.52]	2	2	2WU	NO	NO	3.52	20	0	3.52	272		695				
TOTAL FOR MAP NO. 2										3.52				272		695				
2025CPT.03.03.20311	Duplin	3	SR-1124 / BETHOLITE RD	FROM SR 1122 (BLUE NEWKIRK RD) TO SR 1101 (CORNWALLIS RD) [MP 0.00 - MP 1.70]	2	2	2WU	NO	NO	1.70	20	0	1.70	129		333				
TOTAL FOR MAP NO. 3										1.70				129		333				
2025CPT.03.03.20311	Duplin	4	SR-1116 / S RAILROAD ST	FROM NC HWY 24 (W COLLEGE ST) TO US HWY 117 [MP 0.00 - MP 1.55]	2	2	2WU	NO	NO	1.55	18	0	1.55	110		175				4
TOTAL FOR MAP NO. 4										1.55				110		175				4
2025CPT.03.03.20311	Duplin	5	SR-1376 / FAISON W MCGOWEN RD	FROM 1301 (BOWDENS RD) TO NC HWY 50/24 BUS [MP 0.00 - MP 1.68]	2	2	2WU	NO	NO	1.68	22	0	1.68	161	65	767			197	
TOTAL FOR MAP NO. 5										1.68				161	65	767			197	
TOTAL FOR PROJ NO. 2025CPT.03.03.20311										12.16				1,121	65	3,400	24,487	39,178	197	4
GRAND TOTAL																	63,665			
GRAND TOTAL										12.16				1,121	65	3,400	24,487	39,178	197	4
GRAND TOTAL																	63,665			

PROJECT NO.	SHEET NO.
2025CPT.03.03.20311	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	BEGIN MP	END MP	2845000000-N	6000000000-E	6009000000-E	6012000000-E	6015000000-E	6018000000-E	6021000000-E
										MI	FT			EA	LF	TON	TON	ACR	LBS	TON
2025CPT.03.03.20311	Duplin	1	SR-1305 / REVELLE RD	FROM NC HWY 50 (MEMORIAL DR) TO SR 1307 (EVA JAMES RD) [MP 0.00 - MP 3.71]	1	2	2WU	NO	NO	3.71	22	0	3.71	3	370	93	93	3.70	185	0.93
TOTAL FOR MAP NO. 1										3.71				3	370	93	93	3.70	185	0.93
2025CPT.03.03.20311	Duplin	2	SR-1156 / KENAN LOOP RD	FROM NC HWY 41 (WALLACE HWY) TO NC HWY 41 (WALLACE HWY) [MP 0.00 - MP 3.52]	2	2	2WU	NO	NO	3.52	20	0	3.52		350	88	88	3.50	175	0.88
TOTAL FOR MAP NO. 2										3.52					350	88	88	3.50	175	0.88
2025CPT.03.03.20311	Duplin	3	SR-1124 / BETHOLITE RD	FROM SR 1122 (BLUE NEWKIRK RD) TO SR 1101 (CORNWALLIS RD) [MP 0.00 - MP 1.70]	2	2	2WU	NO	NO	1.70	20	0	1.70		165	42	42	1.65	85	0.42
TOTAL FOR MAP NO. 3										1.70					165	42	42	1.65	85	0.42
2025CPT.03.03.20311	Duplin	4	SR-1116 / S RAILROAD ST	FROM NC HWY 24 (W COLLEGE ST) TO US HWY 117 [MP 0.00 - MP 1.55]	2	2	2WU	NO	NO	1.55	18	0	1.55		155	38	38	1.55	75	0.38
TOTAL FOR MAP NO. 4										1.55					155	38	38	1.55	75	0.38
2025CPT.03.03.20311	Duplin	5	SR-1376 / FAISON W MCGOWEN RD	FROM 1301 (BOWDENS RD) TO NC HWY 50/24 BUS [MP 0.00 - MP 1.68]	2	2	2WU	NO	NO	1.68	22	0	1.68		165	40	40	1.65	85	0.40
TOTAL FOR MAP NO. 5										1.68					165	40	40	1.65	85	0.40
TOTAL FOR PROJ NO. 2025CPT.03.03.20311										12.16				3	1,205	301	301	12.05	605	3.01
GRAND TOTAL										12.16				3	1,205	301	301	12.05	605	3.01

PROJECT NO.	SHEET NO.
2025CPT.03.03.20311	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	BEGIN MP	END MP	6036000000-E	6042000000-E	6071010000-E	6084000000-E	6090000000-E	6093000000-E	6117000000-N
										MI	FT			SY	LF	LF	AC	LB	TON	EA
2025CPT.03.03.20311	Duplin	1	SR-1305 / REVELLE RD	FROM NC HWY 50 (MEMORIAL DR) TO SR 1307 (EVA JAMES RD) [MP 0.00 - MP 3.71]	1	2	2WU	NO	NO	3.71	22	0	3.71	30	185	60	3.60	185	0.93	7
TOTAL FOR MAP NO. 1										3.71				30	185	60	3.60	185	0.93	7
2025CPT.03.03.20311	Duplin	2	SR-1156 / KENAN LOOP RD	FROM NC HWY 41 (WALLACE HWY) TO NC HWY 41 (WALLACE HWY) [MP 0.00 - MP 3.52]	2	2	2WU	NO	NO	3.52	20	0	3.52	30	175	60	3.40	175	0.88	7
TOTAL FOR MAP NO. 2										3.52				30	175	60	3.40	175	0.88	7
2025CPT.03.03.20311	Duplin	3	SR-1124 / BETHOLITE RD	FROM SR 1122 (BLUE NEWKIRK RD) TO SR 1101 (CORNWALLIS RD) [MP 0.00 - MP 1.70]	2	2	2WU	NO	NO	1.70	20	0	1.70	20	85	30	1.60	85	0.42	3
TOTAL FOR MAP NO. 3										1.70				20	85	30	1.60	85	0.42	3
2025CPT.03.03.20311	Duplin	4	SR-1116 / S RAILROAD ST	FROM NC HWY 24 (W COLLEGE ST) TO US HWY 117 [MP 0.00 - MP 1.55]	2	2	2WU	NO	NO	1.55	18	0	1.55	20	75	30	1.50	75	0.38	3
TOTAL FOR MAP NO. 4										1.55				20	75	30	1.50	75	0.38	3
2025CPT.03.03.20311	Duplin	5	SR-1376 / FAISON W MCGOWEN RD	FROM 1301 (BOWDENS RD) TO NC HWY 50/24 BUS [MP 0.00 - MP 1.68]	2	2	2WU	NO	NO	1.68	22	0	1.68	20	85	30	1.60	85	0.40	3
TOTAL FOR MAP NO. 5										1.68				20	85	30	1.60	85	0.40	3
TOTAL FOR PROJ NO. 2025CPT.03.03.20311										12.16				120	605	210	11.70	605	3.01	23
GRAND TOTAL										12.16				120	605	210	11.70	605	3.01	23

PROJECT NO.	SHEET NO.
2025CPT.03.03.20311	12

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4413000000-E	4457000000-N	4685000000-E		4688000000-E		4704000000-E	
								MI	FT			WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	6" X 90 M WHITE THERMO	6" X 90 M YELLOW THERMO	THERMOPLASTIC PAVEMENT MARKING LINES (16" X 90 MILS)	
												SF	LS	LF	LF	LF	LF	LF	
2025CPT.03.03.20311	Duplin	1	SR-1305 / REVELLE RD	FROM NC HWY 50 (MEMORIAL DR) TO SR 1307 (EVA JAMES RD) [MP 0.00 - MP 3.71]	1	2	2WU	3.71	22	0	3.71	416	0.45			39,178	24,487		
TOTAL FOR MAP NO. 1								3.71				416	0.45			39,178	24,487		
2025CPT.03.03.20311	Duplin	2	SR-1156 / KENAN LOOP RD	FROM NC HWY 41 (WALLACE HWY) TO NC HWY 41 (WALLACE HWY) [MP 0.00 - MP 3.52]	2	2	2WU	3.52	20	0	3.52	400	0.23	37,100	23,816				
TOTAL FOR MAP NO. 2								3.52				400	0.23	37,100	23,816				
2025CPT.03.03.20311	Duplin	3	SR-1124 / BETHOLITE RD	FROM SR 1122 (BLUE NEWKIRK RD) TO SR 1101 (CORNWALLIS RD) [MP 0.00 - MP 1.70]	2	2	2WU	1.70	20	0	1.70		0.11	17,866	13,607				
TOTAL FOR MAP NO. 3								1.70					0.11	17,866	13,607				
2025CPT.03.03.20311	Duplin	4	SR-1116 / S RAILROAD ST	FROM NC HWY 24 (W COLLEGE ST) TO US HWY 117 [MP 0.00 - MP 1.55]	2	2	2WU	1.55	18	0	1.55		0.10	16,238	5,153			42	
TOTAL FOR MAP NO. 4								1.55					0.10	16,238	5,153			42	
2025CPT.03.03.20311	Duplin	5	SR-1376 / FAISON W MCGOWEN RD	FROM 1301 (BOWDENS RD) TO NC HWY 50/24 BUS [MP 0.00 - MP 1.68]	2	2	2WU	1.68	22	0	1.68		0.11	17,654	12,680				
TOTAL FOR MAP NO. 5								1.68					0.11	17,654	12,680				
TOTAL FOR PROJ NO. 2025CPT.03.03.20311								12.16					816	1	88,858	55,256	39,178	24,487	42
GRAND TOTAL															144,114	63,665			
GRAND TOTAL								12.16					816	1	88,858	55,256	39,178	24,487	42
GRAND TOTAL															144,114	63,665			

PROJECT NO.	SHEET NO.
2025CPT.03.03.20311	13

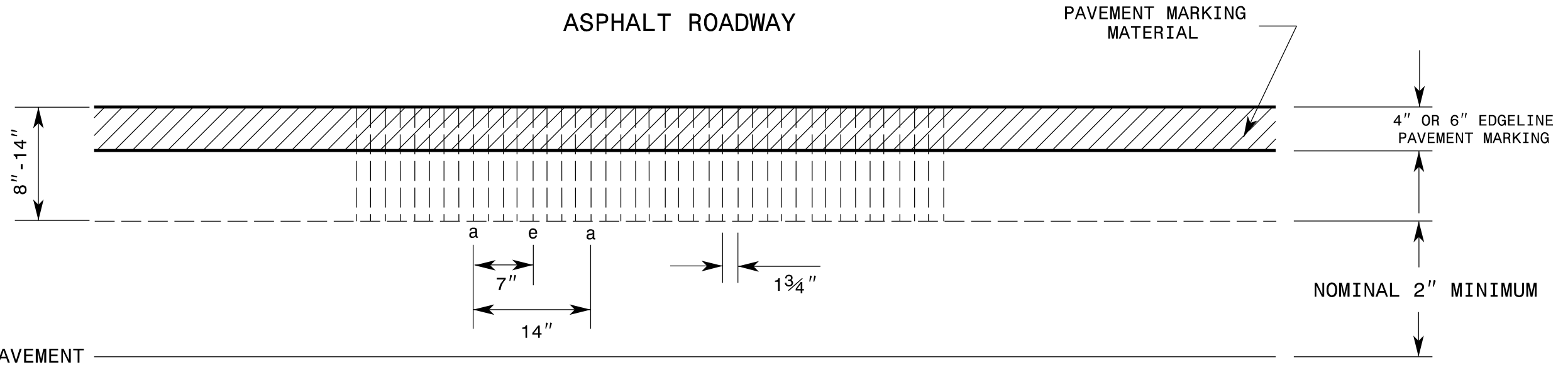
THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4709000000-E	4720000000-E	4810000000-E		4850000000-E	4900000000-N
								MI	FT			THERMOPLASTIC PAVEMENT MARKING LINES (24" X 90 MILS)	THERMO RXR 90 MILS	4" WHITE PAINT	4" YELLOW PAINT	REMOVAL OF PAVEMENT MARKING LINES (4")	YELLOW & YELLOW MARKERS
												LF	EA	LF	LF	LF	EA
2025CPT.03.03.20311	Duplin	1	SR-1305 / REVELLE RD	FROM NC HWY 50 (MEMORIAL DR) TO SR 1307 (EVA JAMES RD) [MP 0.00 - MP 3.71]	1	2	2WU	3.71	22	0	3.71			39,178	24,487		241
TOTAL FOR MAP NO. 1							3.71							39,178	24,487		241
2025CPT.03.03.20311	Duplin	2	SR-1156 / KENAN LOOP RD	FROM NC HWY 41 (WALLACE HWY) TO NC HWY 41 (WALLACE HWY) [MP 0.00 - MP 3.52]	2	2	2WU	3.52	20	0	3.52						231
TOTAL FOR MAP NO. 2							3.52										231
2025CPT.03.03.20311	Duplin	3	SR-1124 / BETHOLITE RD	FROM SR 1122 (BLUE NEWKIRK RD) TO SR 1101 (CORNWALLIS RD) [MP 0.00 - MP 1.70]	2	2	2WU	1.70	20	0	1.70						111
TOTAL FOR MAP NO. 3							1.70										111
2025CPT.03.03.20311	Duplin	4	SR-1116 / S RAILROAD ST	FROM NC HWY 24 (W COLLEGE ST) TO US HWY 117 [MP 0.00 - MP 1.55]	2	2	2WU	1.55	18	0	1.55	52	2				101
TOTAL FOR MAP NO. 4							1.55					52	2				101
2025CPT.03.03.20311	Duplin	5	SR-1376 / FAISON W MCGOWEN RD	FROM 1301 (BOWDENS RD) TO NC HWY 50/24 BUS [MP 0.00 - MP 1.68]	2	2	2WU	1.68	22	0	1.68	36		215	215	220	107
TOTAL FOR MAP NO. 5							1.68					36		215	215	220	107
TOTAL FOR PROJ NO. 2025CPT.03.03.20311							12.16					88	2	39,393	24,702	220	791
														64,095			
GRAND TOTAL							12.16					88	2	39,393	24,702	220	791
														64,095			

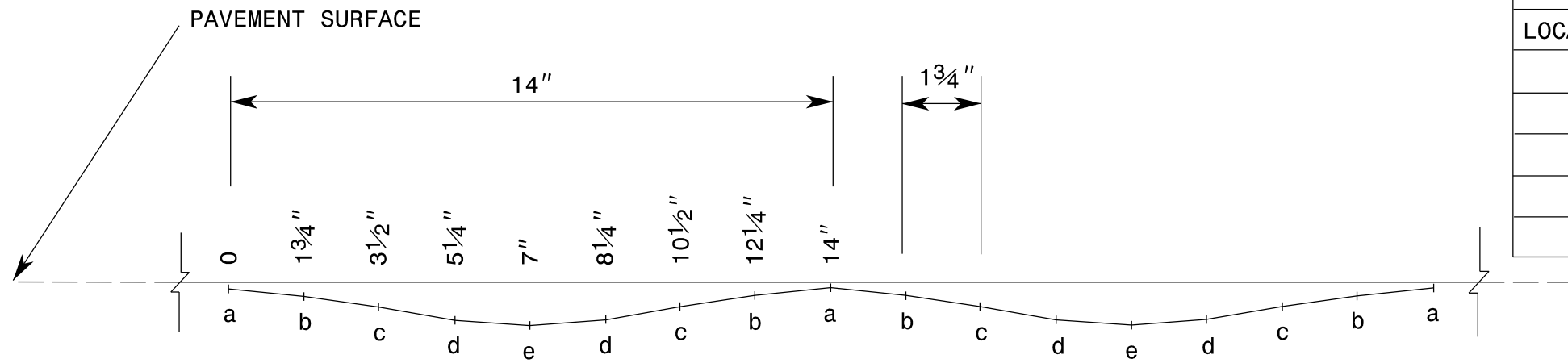
See Table 1 within Rumble Strip Policy for Design Guidance

PLAN VIEW

TRAVEL LANE(S)
ASPHALT ROADWAY



PROFILE VIEW



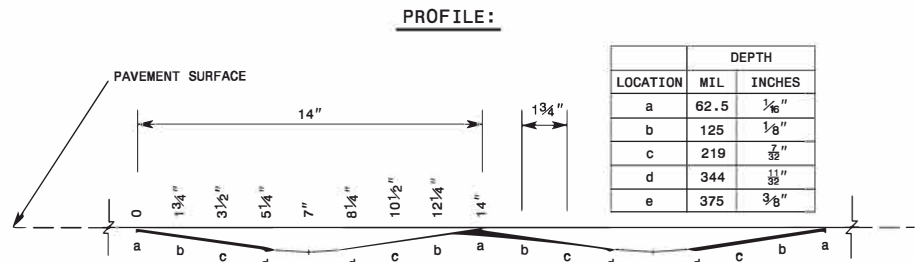
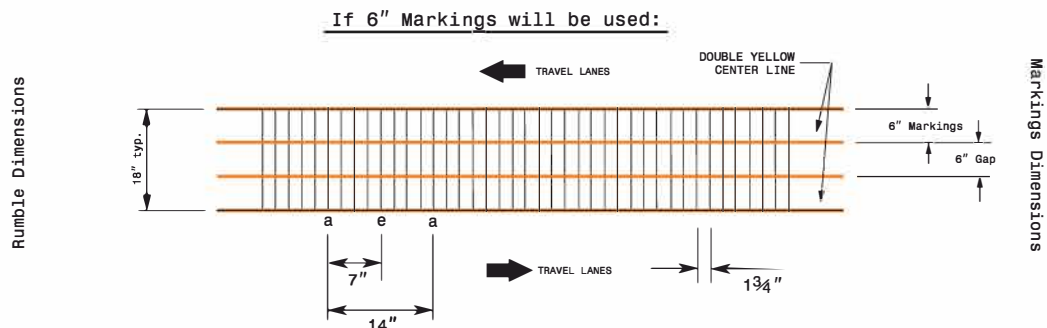
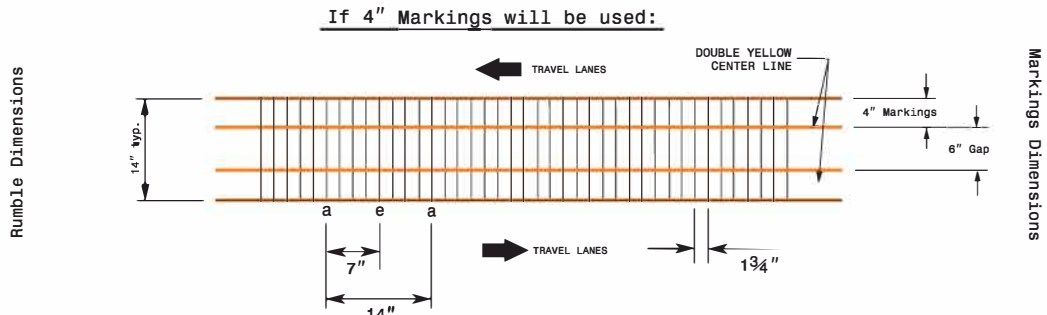
LOCATION	DEPTH	
	MIL	INCHES
a	62.5	$\frac{1}{16}$ "
b	125	$\frac{1}{8}$ "
c	219	$\frac{7}{32}$ "
d	344	$\frac{11}{32}$ "
e	375	$\frac{3}{8}$ "

REFERENCE DRAWING ID: Sin.Stripe

NOTES:

- 1) Specification in table taken from MNDOT Research Project Final Report 2016-23: *Sinusoidal Rumble Strip Design Optimization Study By: Terhaar et. al, June 2016*
- 2) USING A VACUUM, REMOVE ALL DEBRIS FROM THE MILLINGS JUST PRIOR TO PLACING ANY PAVEMENT MARKINGS.
- 3) ENSURE GLASS BEADS ARE SPREAD UNIFORMLY OVER THE ENTIRE SURFACE OF THE PAVEMENT MARKING MATERIAL.

See Table 2 within Rumble Strip Policy for Design Guidance



REFERENCE DRAWING ID: Sin.CL

NOTES:

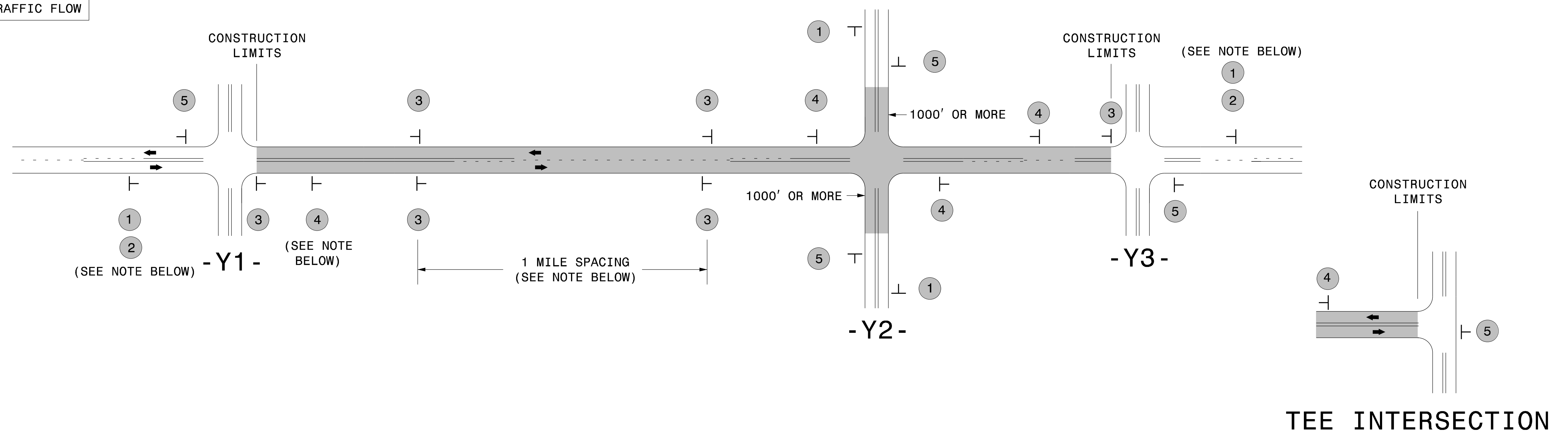
- 1) Specification in table taken from MNDOT Research Project Final Report 2016-23: *Sinusoidal Rumble Strip Design Optimization Study By Terhaar et. al, June 2016*
- 2) USING A VACUUM, REMOVE ALL DEBRIS FROM THE MILLINGS JUST PRIOR TO PLACING ANY PAVEMENT MARKINGS.
- 3) ENSURE GLASS BEADS ARE SPREAD UNIFORMLY OVER THE ENTIRE SURFACE OF THE PAVEMENT MARKING MATERIAL.

SIGNING FOR RESURFACING PROJECTS

LEGEND

┃ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

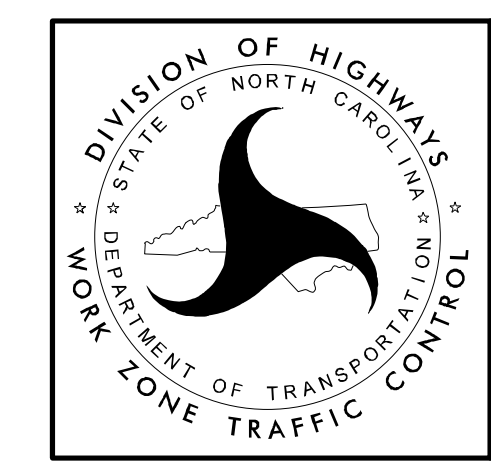
-Y- LINE SIGNING

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;"> W20-1 48" X 48" </div> <div style="text-align: center;"> W20-7 A 48" X 48" </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER.</p> <p>PLACED 250' IN ADVANCE OF FLAGGER.</p>
	2	 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	 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	 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	 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