

WBS NO: 2025CPT.03.06.10671, ETC.

CONTRACT: C20XXX

**STATE OF NORTH CAROLINA**  
**DIVISION OF HIGHWAYS**  

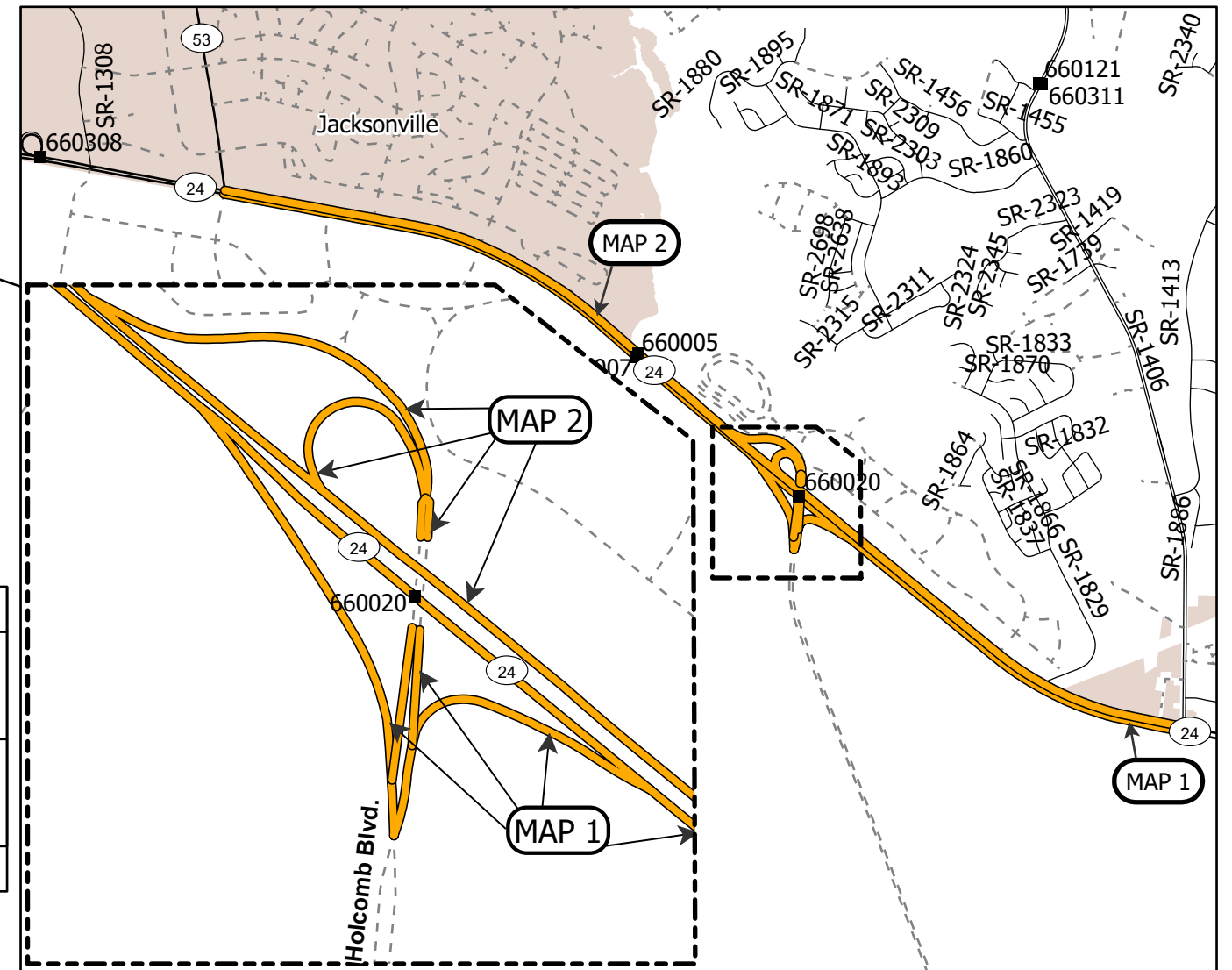
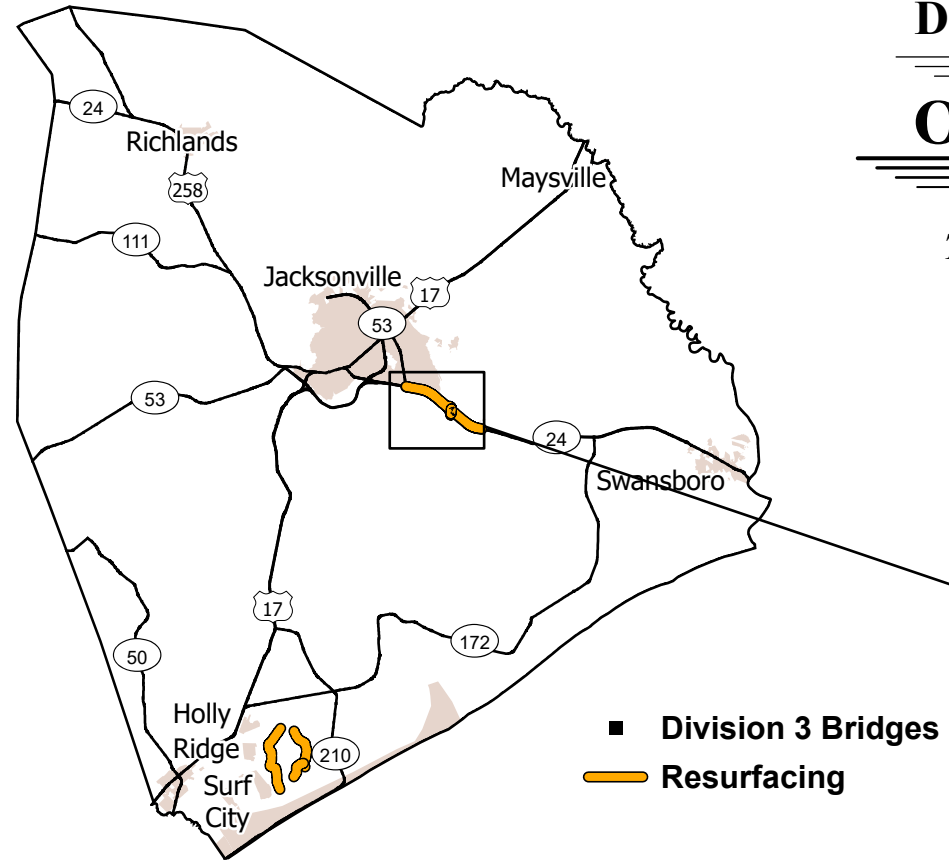

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**ONSLOW COUNTY**

*TYPE OF WORK: RESURFACING*

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2025CPT.03.06.10671, ETC.	1
STATE PROJECT NUMBER		DESCRIPTION



MAP	ROUTE	Description	TYPE
1	NC 24 E	FROM NC HWY 53 (WESTERN BLVD) TO SR 1406 (PINEY GREEN RD) [MP 23.97 - MP 27.87]	Resurfacing
2	NC 24 W	FROM SR 1406 (PINEY GREEN RD) TO NC HWY 53 (WESTERN BLVD) [MP 12.50 - MP 16.53]	Resurfacing

**PROJECT LENGTH**

MAP	MILES
1	3.9
2	3.91

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.



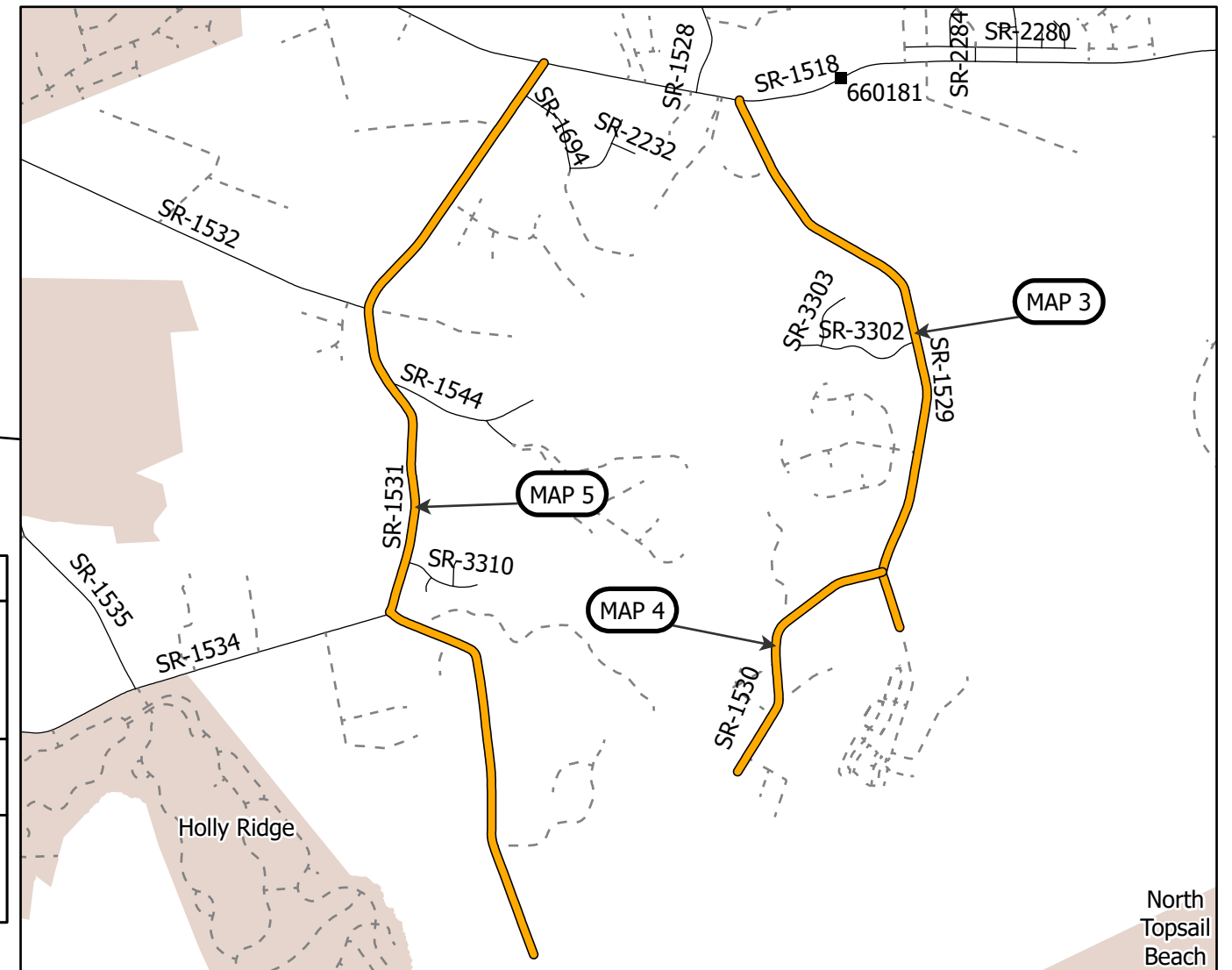
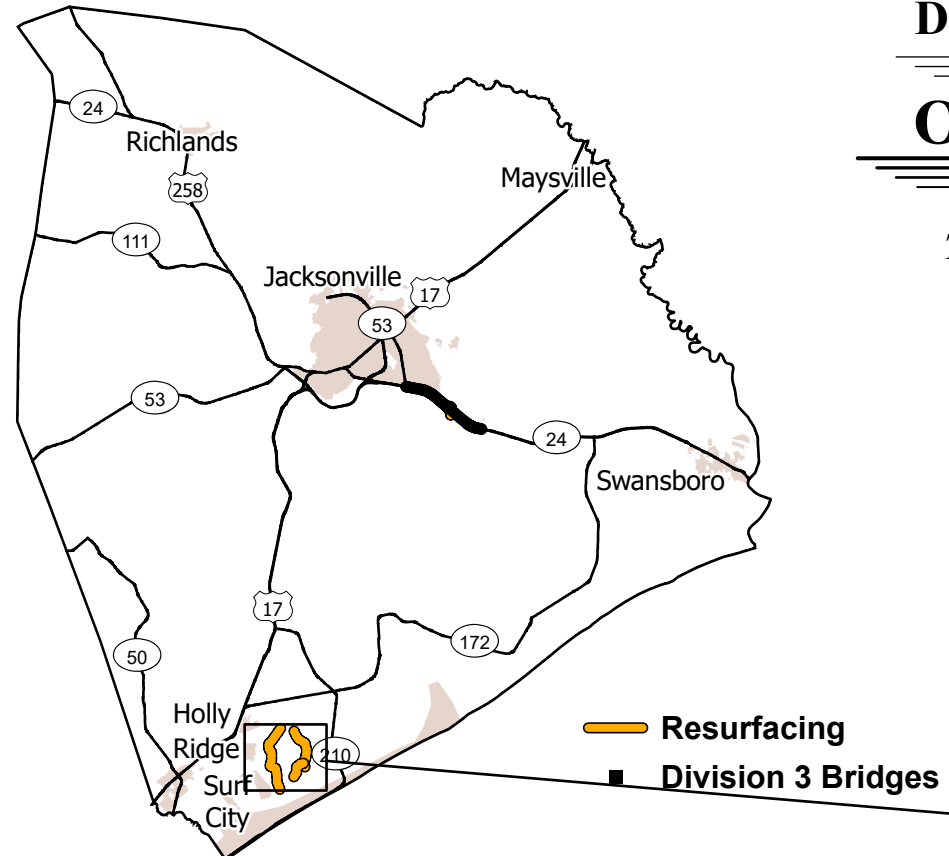
WBS NO: 2025CPT.03.06.10671, ETC.

CONTRACT: C20XXX

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

*TYPE OF WORK: RESURFACING*

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2025CPT.03.06.10671, ETC.	2
STATE PROJECT NUMBER		DESCRIPTION



MAP	ROUTE	Description	TYPE
3	SR-1529 / TURKEY POINT RD & HARBOR POINT RD	FROM SR 1518 (OLD FOLKSTONE RD) TO END OF MAINTENANCE [MP 0.00 - MP 1.83]	Resurfacing
4	SR 1530 / TURKEY POINT	FROM SR 1529 (HARBOR PT) TO END OF MAINTENANCE [MP 0.00 - MP 1.83]	Resurfacing
5	SR 1531 / TAR LANDING RD.	FROM SR 1518 (OLD FOLKSTONE RD) TO END OF MAINTENANCE [MP 0.00 - MP 3.09]	Resurfacing

<i>PROJECT LENGTH</i>	
MAP	MILES
3	1.83
4	0.82
5	3.09

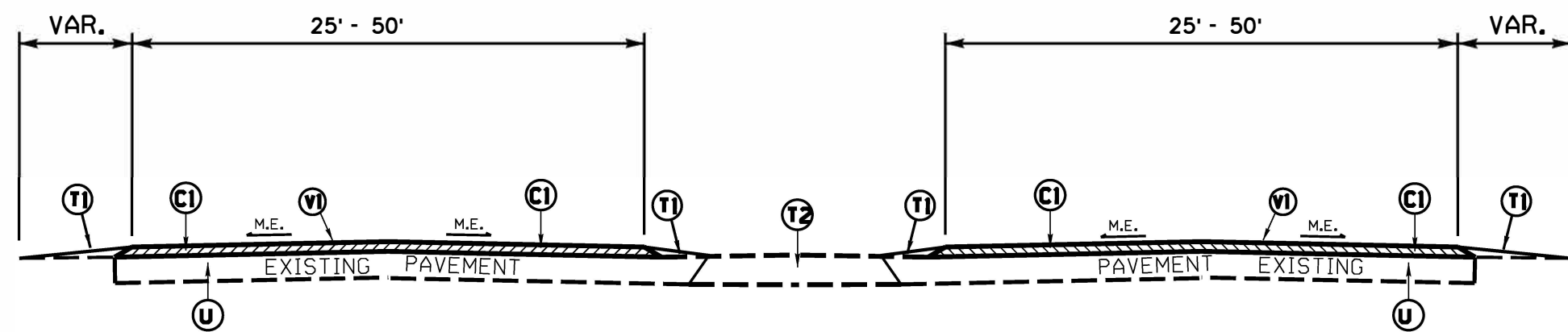
Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
5501 BARBADOS BLVD., CASTLE HAYNE, NC, 28429

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



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.
R1	EXISTING 2'6" CURB & GUTTER
R2	EXISTING MONOLITHIC ISLAND
T1	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
T2	EXISTING EARTH MATERIAL
U	EXISTING PAVEMENT
V1	MILLING, 1 1/2" DEPTH



TYPICAL SECTION NO. 1

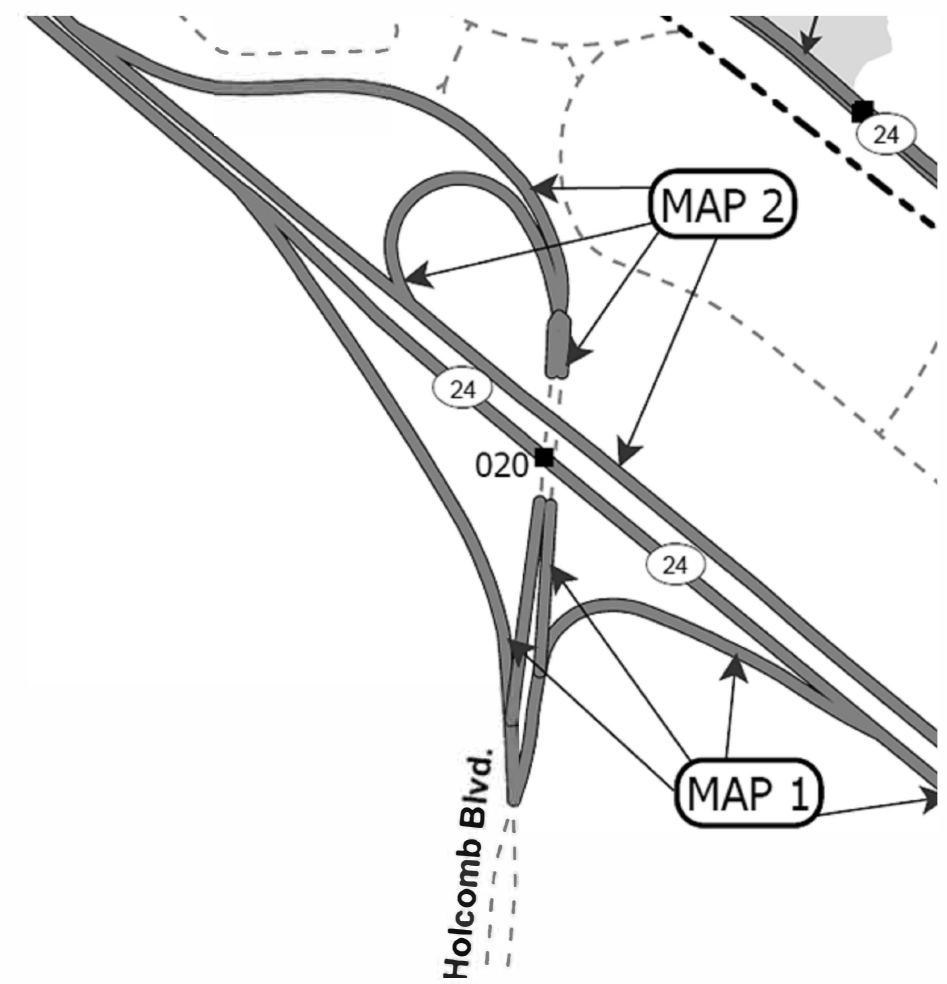
MAP NO. 1  
NC-24 E (LEJEUNE BLVD)  
MP 25.57 - MP 27.87

MAP NO. 2  
NC-24 W (FREEDOM WAY)  
MP 12.50 - MP 14.91

**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.**

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

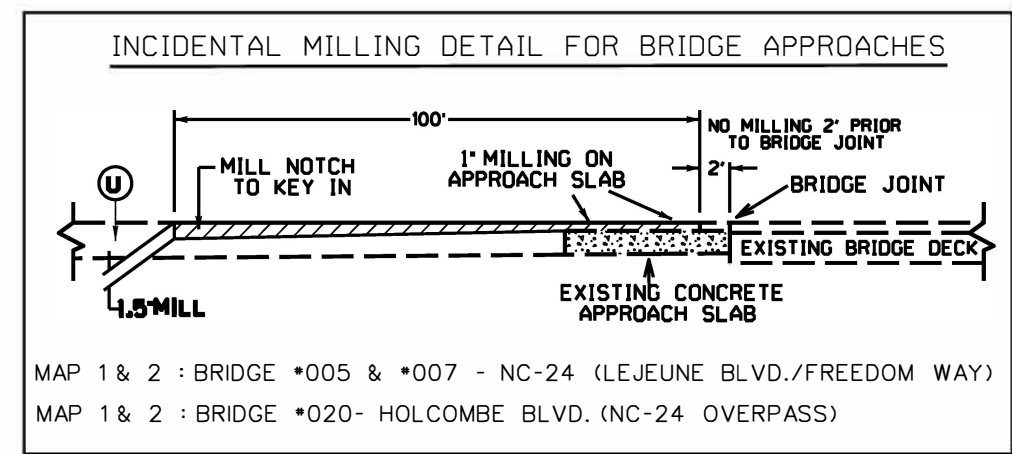


MAP NO. 1  
OFF RAMP  
CAMP LEJEUNE MAIN GATE  
NC-24 EB  
MP 0.00 - MP 0.34

MAP NO. 2  
OFF RAMP  
CAMP LEJEUNE GATE  
NC-24 WB  
MP 0.00 - MP 0.22

MAP NO. 1  
ON RAMP  
HOLCOMBE BLVD.  
SWANSBORO  
MP 0.03 - MP 0.28

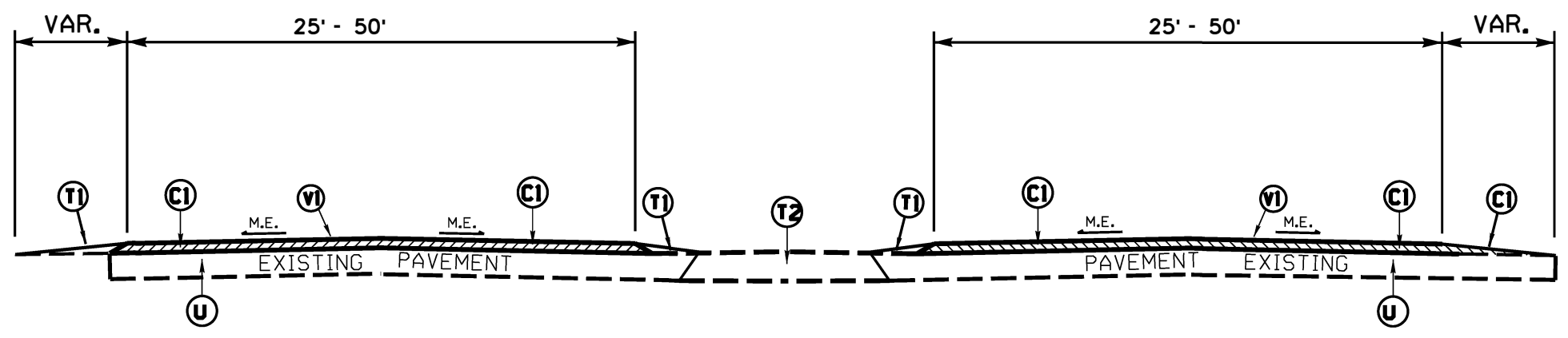
MAP NO. 2  
ON RAMP  
HOLCOMBE BLVD.  
MIDWAY PARK/JACKSONVILLE  
MP 0.07 - MP 0.32  
MP 0.00 - MP 0.38



MAP 1 & 2 : BRIDGE \*005 & \*007 - NC-24 (LEJEUNE BLVD./FREEDOM WAY)  
MAP 1 & 2 : BRIDGE \*020- HOLCOMBE BLVD. (NC-24 OVERPASS)

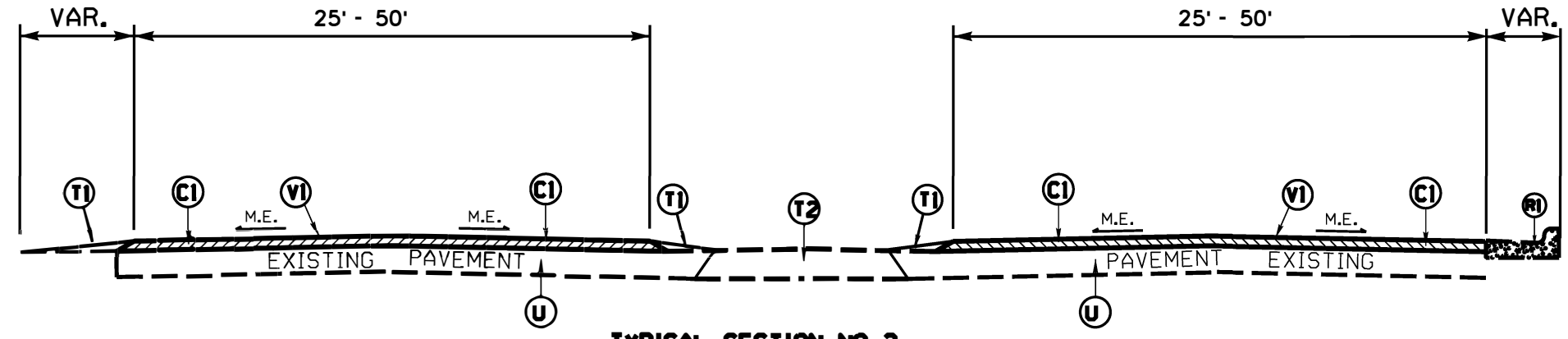
REVISIONS

8/17/99  
SYSTEMS  
D:\PROJECTS\2025CPT\2025CPT.03.06.10671\2025CPT.03.06.10671.DWG



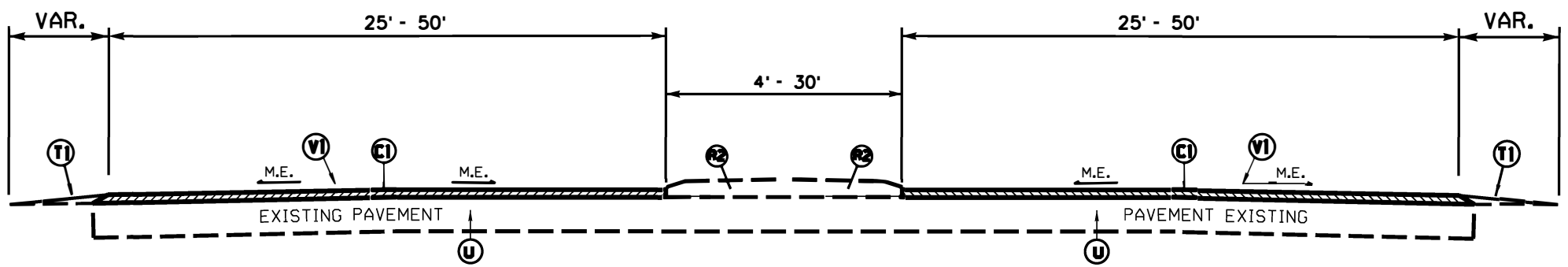
**TYPICAL SECTION NO. 2**

MAP NO. 1	MAP NO. 2
NC-24 E (LEJEUNE BLVD)	NC-24 W (FREEDOM WAY)
MP 24.10 - MP 25.49	MP 16.33 - MP 16.38
	MP 16.23 - MP 16.30
	MP 15.75 - MP 16.17
	MP 15.42 - MP 15.58
	MP 14.99 - MP 15.29



**TYPICAL SECTION NO. 3**

MAP NO. 1	MAP NO. 2
NC-24 E (LEJEUNE BLVD)	NC-24 W (FREEDOM WAY)
MP 23.97 - MP 25.48	MP 16.46 - MP 16.53
	MP 16.30 - MP 16.33
	MP 16.17 - MP 16.23
	MP 15.58 - MP 15.75
	MP 15.29 - MP 15.42



**TYPICAL SECTION NO. 4**

MAP NO. 1	MAP NO. 2
NC-24 E (LEJEUNE BLVD)	NC-24 W (FREEDOM WAY)
MP 25.77 - MP 26.07	MP 14.41 - MP 14.71

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.
R1	EXISTING 2'6" CURB & GUTTER
R2	EXISTING MONOLITHIC ISLAND
T1	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
T2	EXISTING EARTH MATERIAL
U	EXISTING PAVEMENT
V1	MILLING, 1 1/2" DEPTH

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

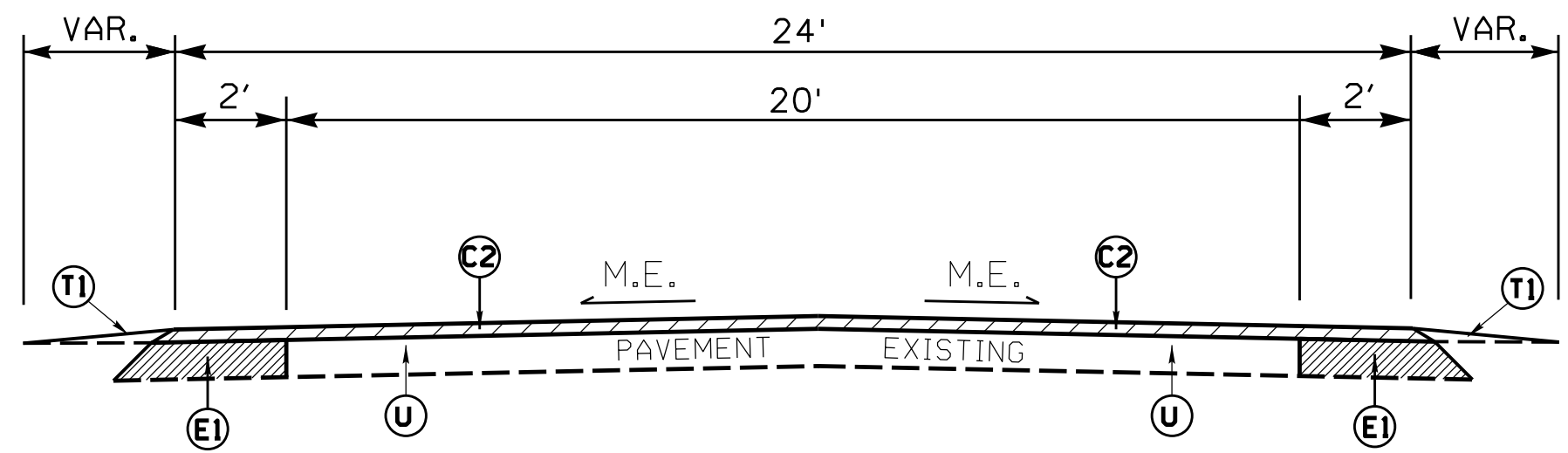
**SHOULDER WORK ON MAP NO. 1 - 5 AS NEEDED, TO BE DETERMINED BY ENGINEER.**

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

REVISIONS

8/17/99

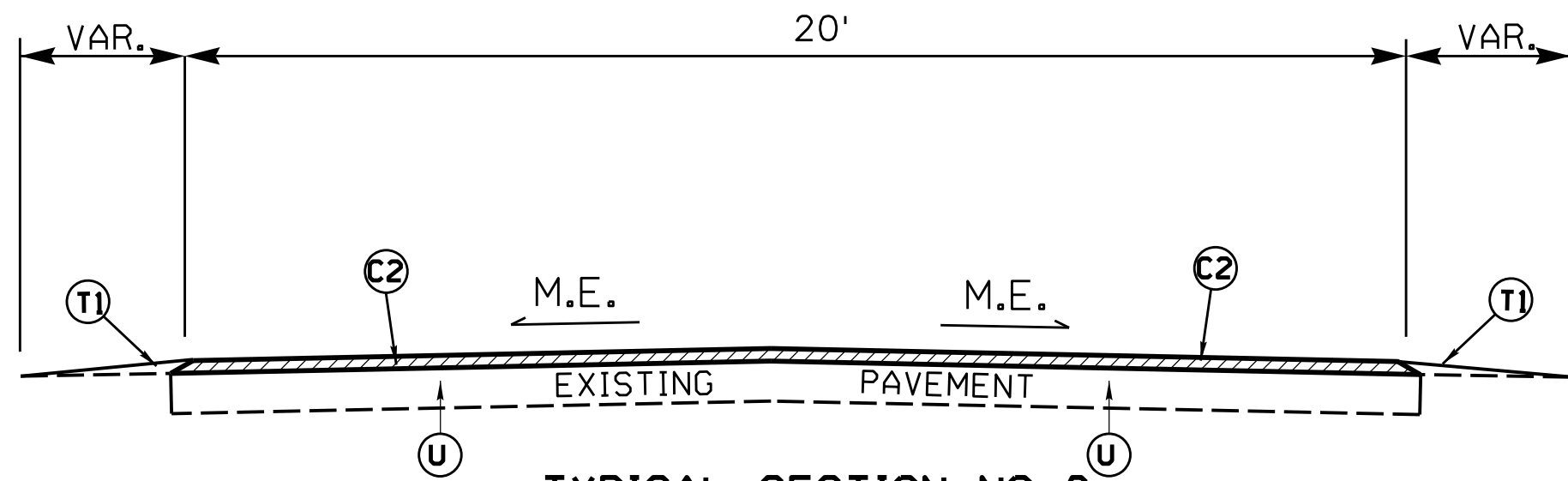
SYSTEMS TIME 3:55 PM 8/17/99



**TYPICAL SECTION NO. 5**

MAP NO. 3  
SR 1529 (TURKEY PT/HARBOR PT)  
MP 0.00 - MP 1.83

MAP NO. 4  
SR 1530 (TURKEY PT)  
MP 0.00 - MP 0.82



**TYPICAL SECTION NO. 6**

MAP NO. 5  
SR 1531 (TAR LANDING RD)  
MP 0.00 - MP 3.09

PAVEMENT SCHEDULE	
C2	PROP. APPROX. 1 1/2" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 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.
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. 3 & 4: THE CONTRACTOR SHALL RETAIN EXISTING LANE WIDTHS AND RESTRIPE WITH 2' PAVED SHOULDERS.

MAP NO. 5: NO THERMO SHALL BE PLACED FROM MP 0.00 - MP 1.88. TWO COATS OF PAINT ONLY.

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

REVISIONS

8/17/99

\$\$\$\$\$SYTIME\$\$\$\$\$  
\$\$\$\$\$DATE\$\$\$\$\$  
\$\$\$\$\$NAME\$\$\$\$\$

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		
846.01	Concrete Curb, Gutter and Curb & Gutter	
862.01	Guardrail Placement	
862.02	Guardrail Installation	
DIVISION 12 - PVT MARKING, MARKERS AND DELINEATION		
1205.08	Pavement Markings - Symbols & Word Messages	

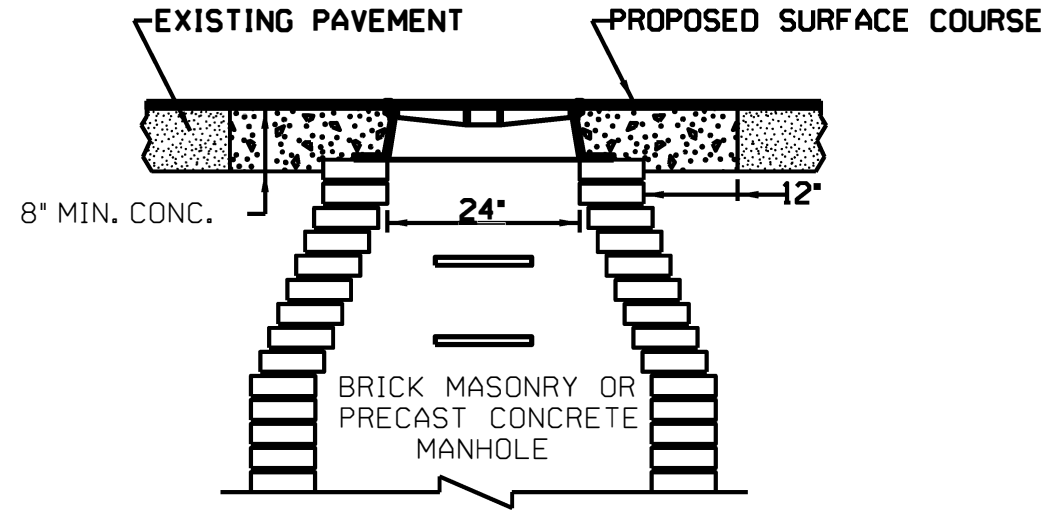
STATE OF NORTH CAROLINA  
 DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR  
 MANHOLE AND VALVE BOX ADJUSTMENTS

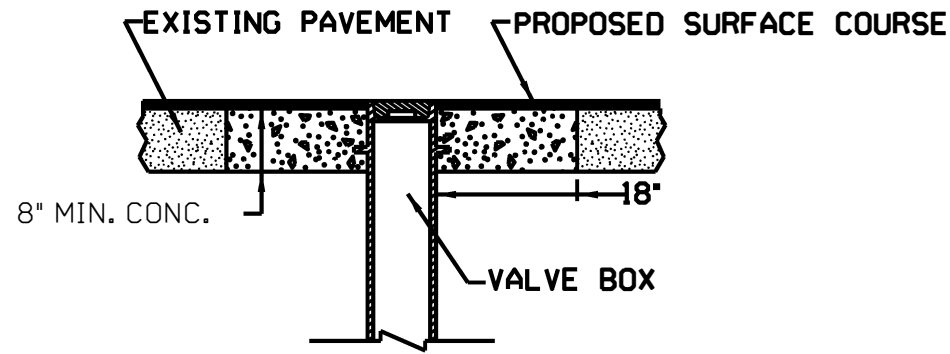
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**GENERAL NOTES:**

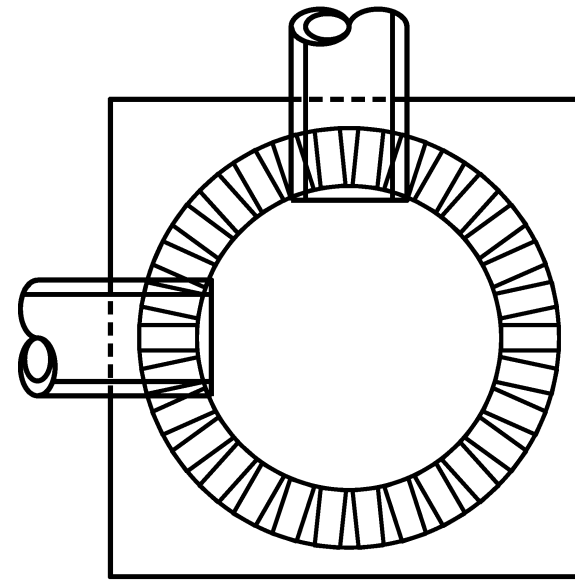
1. USE RAPID SET GROUT, MORTAR, OR CONCRETE THAT WILL TAKE FULL SET AND BECOME LOAD BEARING WITHIN SIXTY MINUTES OF PLACEMENT WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
2. REMOVE ALL FAULTY EXISTING BRICKWORK AND REPLACE WITH NEW BRICK MASONRY.
3. SHEER CUT EXCAVATION FOR THE ADJUSTMENT ON ALL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

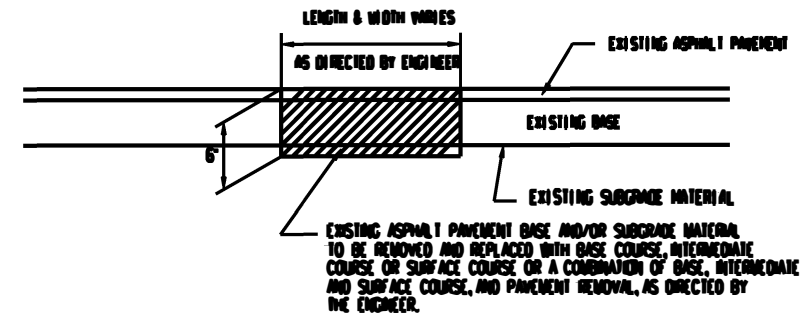
ENGLISH DETAIL DRAWING FOR  
 MANHOLE AND VALVE BOX ADJUSTMENTS

840055

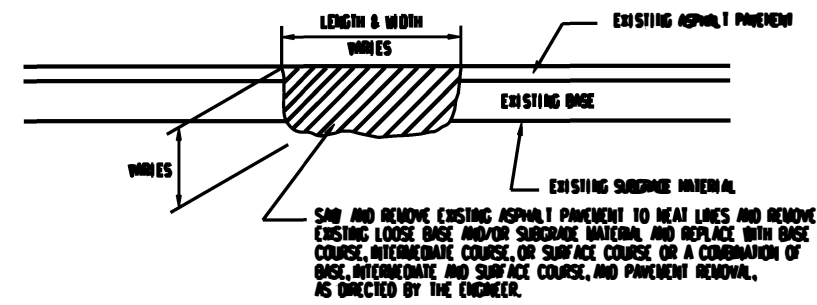
REVISIONS

SYSTEMS  
 DESIGN  
 NAME

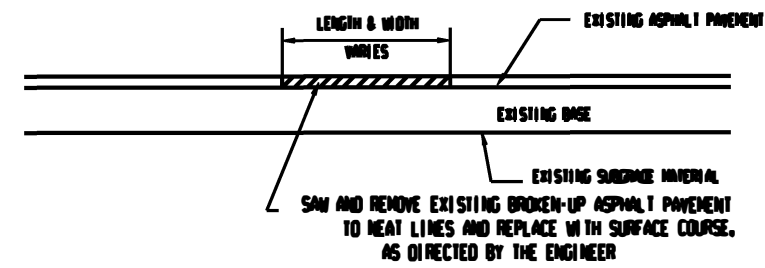
DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



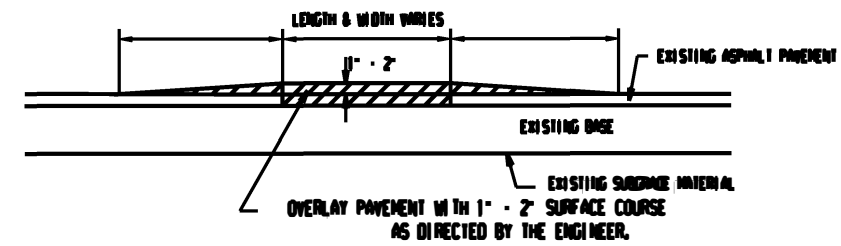
DETAIL NO. 1



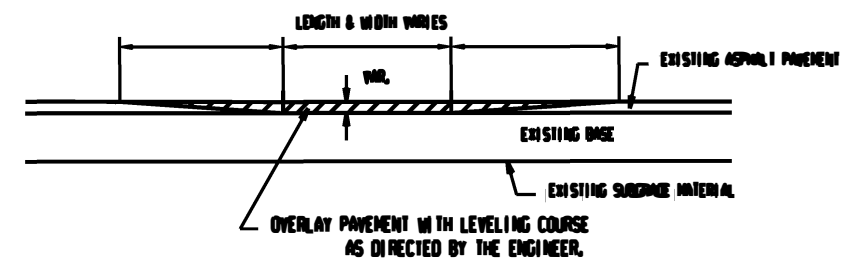
DETAIL NO. 2



DETAIL NO. 3



DETAIL NO. 4



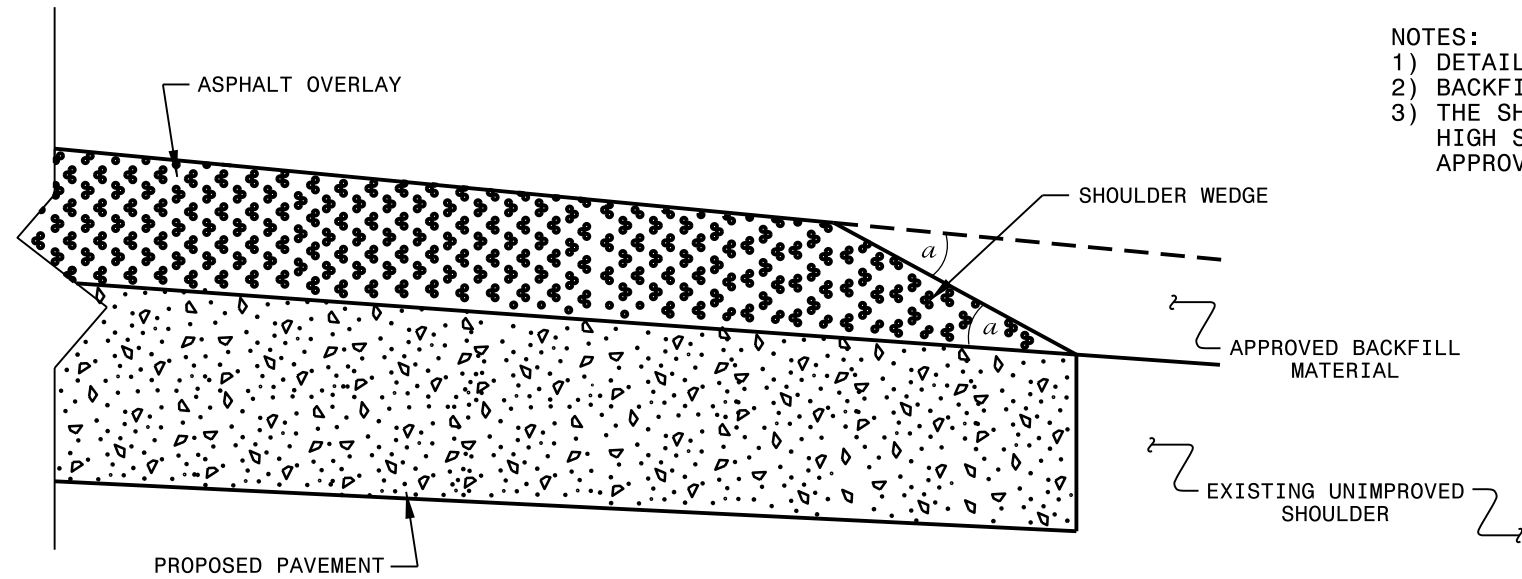
DETAIL NO. 5

REV. 8.0 NS

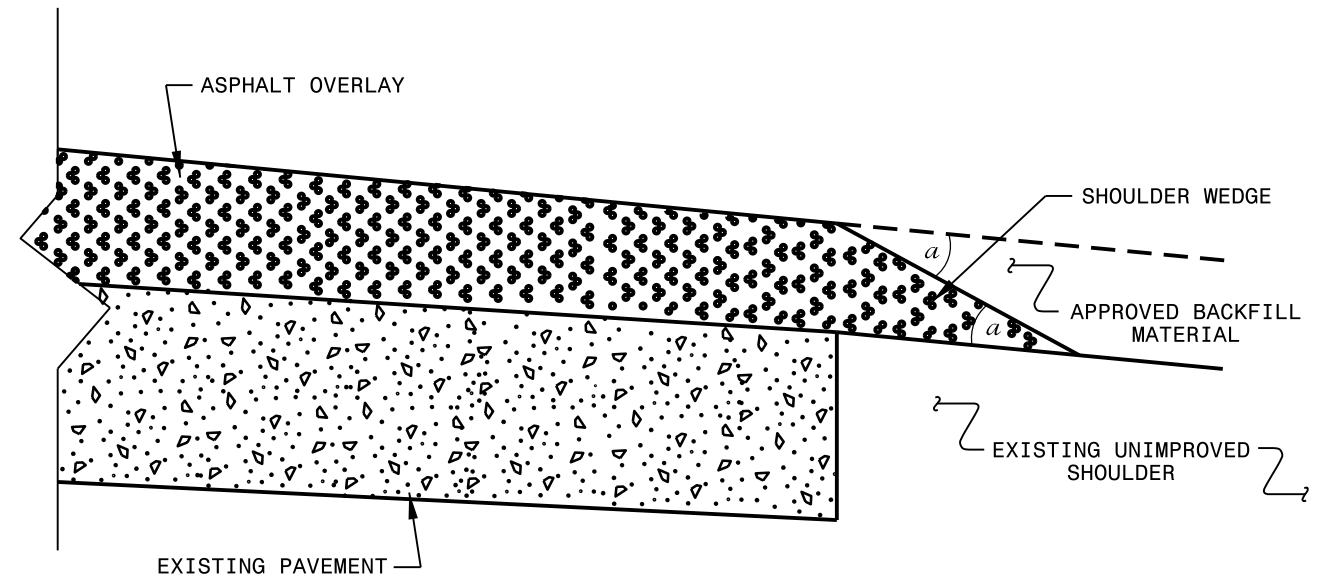
8/17/99

SYSTEMS  
 DESIGN

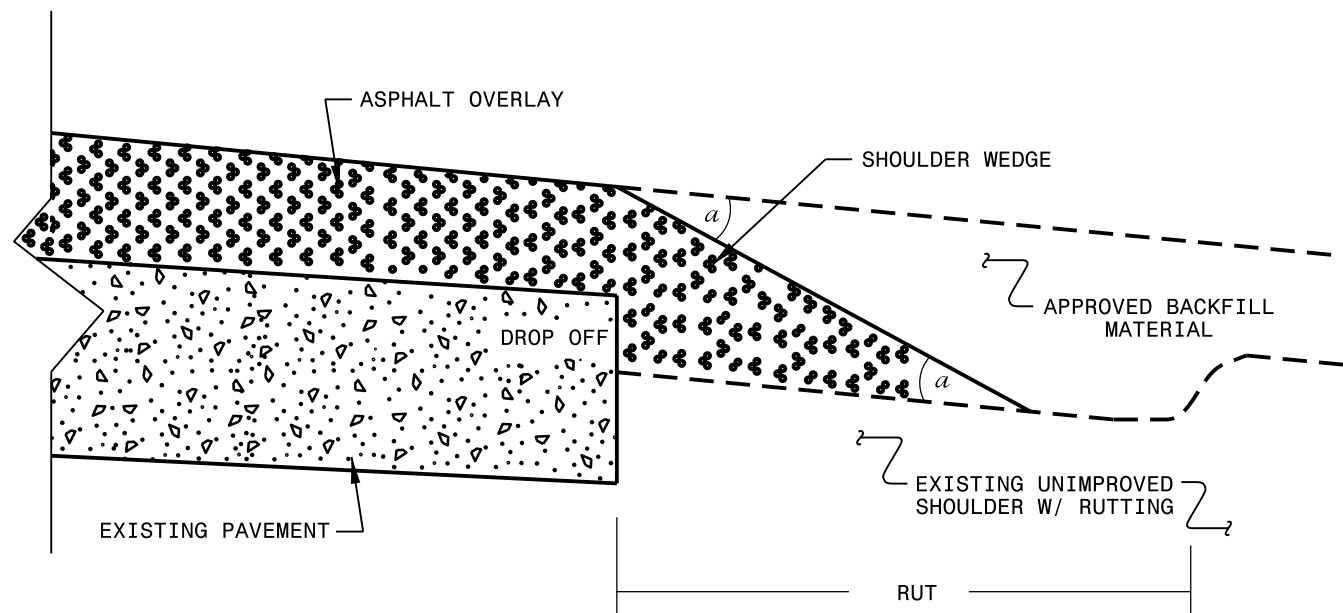
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
  - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
  - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



**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°

<b>CONTRACT STANDARDS AND DEVELOPMENT UNIT</b>			
Office 919-707-6950		FAX 919-250-4119	
<b>SHOULDER WEDGE DETAILS</b>			
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			



PROJECT NO.	SHEET NO.
2025CPT.03.06.10671, ETC.	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	0106000000-E	1220000000-E	1245000000-E	1297000000-E	1330000000-E	1491000000-E	1519000000-E	1523000000-E			
														BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	1.5" MILLING	INCIDENTAL MILLING	BASE COURSE, B25.0C	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5C			
														MI	FT									
														CY	TON	SMI	SY	SY	TONS	TON	TON			
2025CPT.03.06.10671	Onslow	1	NC-24 E (LEJEUNE BLVD)	FROM NC HWY 53 (WESTERN BLVD) TO SR 1406 (PINEY GREEN RD) [MP 23.97 - MP 27.87]	1, 2, 3, 4	3	MD	NO	NO	3.90	38	23.97	27.87	485	20	7.88	99,609	13,779			9,997			
<b>TOTAL FOR MAP NO. 1</b>														<b>3.90</b>		<b>485</b>	<b>20</b>	<b>7.88</b>	<b>99,609</b>	<b>13,779</b>			<b>9,997</b>	
2025CPT.03.06.10671	Onslow	2	NC-24 W (FREEDOM WAY)	FROM SR 1406 (PINEY GREEN RD) TO NC HWY 53 (WESTERN BLVD) [MP 12.62 - MP 16.53]	1, 2, 3, 4	3	MD	NO	NO	3.91	36	12.62	16.53	485	20	7.88	86,631	15,409			8,999			
<b>TOTAL FOR MAP NO. 2</b>														<b>3.91</b>		<b>485</b>	<b>20</b>	<b>7.88</b>	<b>86,631</b>	<b>15,409</b>			<b>8,999</b>	
<b>TOTAL FOR PROJ NO. 2025CPT.03.06.10671</b>														<b>7.81</b>		<b>970</b>	<b>40</b>	<b>15.76</b>	<b>186,240</b>	<b>29,188</b>			<b>18,996</b>	
2025CPT.03.06.20671	Onslow	3	SR-1529 (TURKEY POINT RD/HARBOR POINT RD)	FROM SR 1518 (OLD FOLKSTONE RD) TO END OF MAINTENANCE [MP 0.00 - MP 1.83]	5	2	2WU	NO	NO	1.83	24	0.00	1.83	223	56	3.66		205	1,449	2,304				
<b>TOTAL FOR MAP NO. 3</b>														<b>1.83</b>		<b>223</b>	<b>56</b>	<b>3.66</b>		<b>205</b>	<b>1,449</b>	<b>2,304</b>		
2025CPT.03.06.20671	Onslow	4	SR-1530 (TURKEY POINT RD)	FROM SR 1529 (HARBOR PT) TO END OF MAINTENANCE [MP 0.00 - MP 0.82]	5	2	2WU	NO	NO	0.82	23	0.00	0.82	100	68	1.64		619	909					
<b>TOTAL FOR MAP NO. 4</b>														<b>0.82</b>		<b>100</b>	<b>68</b>	<b>1.64</b>		<b>619</b>	<b>909</b>			
2025CPT.03.06.20671	Onslow	5	SR-1531 (TAR LANDING RD)	FROM SR 1518 (OLD FOLKSTONE RD) TO END OF MAINTENANCE [MP 0.00 - MP 3.09]	6	2	2WU	NO	NO	3.09	21	0.00	3.09	377	164	6.18		2,522		3,481				
<b>TOTAL FOR MAP NO. 5</b>														<b>3.09</b>		<b>377</b>	<b>164</b>	<b>6.18</b>		<b>2,522</b>	<b>3,481</b>			
<b>TOTAL FOR PROJ NO. 2025CPT.03.06.20671</b>														<b>5.74</b>		<b>700</b>	<b>288</b>	<b>11.48</b>		<b>2,727</b>	<b>2,068</b>	<b>6,694</b>		
<b>GRAND TOTAL</b>														<b>13.55</b>		<b>1,670</b>	<b>328</b>	<b>27.24</b>		<b>186,240</b>	<b>31,915</b>	<b>2,068</b>	<b>6,694</b>	<b>18,996</b>

PROJECT NO.	SHEET NO.
2025CPT.03.06.10671, 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	BEGIN MP	END MP	1575000000-E	1693000000-E	1705000000-E	1705500000-E	2738000000-E		2830000000-N	2845000000-N	3287000000-N				
														ASPHALT BINDER FOR PLANT MIX	ASPHALT PLANT MIX, PAVEMENT REPAIR	PATCHING EXISTING PAVEMENT (FULL DEPTH)	PATCHING EXISTING PAVEMENT (MILL)	REMOVE EXISTING ASPHALT ISLAND	5" MONOLITHIC CONC. ISLAND (GENERIC)	ADJUSTMENT OF MANHOLES	ADJUSTMENT OF METER OR VALVE BOX	GUARDRAIL END UNITS, TYPE TL-3				
														MI	FT											
														TON	TON	TON	TON	SY	SY	EA	EA	EA				
2025CPT.03.06.10671	Onslow	1	NC-24 E (LEJEUNE BLVD)	FROM NC HWY 53 (WESTERN BLVD) TO SR 1406 (PINEY GREEN RD) [MP 23.97 - MP 27.87]	1, 2, 3, 4	3	MD	NO	NO	3.90	38	23.97	27.87	596		120	5			6	2	10				
<b>TOTAL FOR MAP NO. 1</b>														<b>3.90</b>		<b>596</b>	<b>120</b>	<b>5</b>			<b>6</b>	<b>2</b>	<b>10</b>			
2025CPT.03.06.10671	Onslow	2	NC-24 W (FREEDOM WAY)	FROM SR 1406 (PINEY GREEN RD) TO NC HWY 53 (WESTERN BLVD) [MP 12.62 - MP 16.53]	1, 2, 3, 4	3	MD	NO	NO	3.91	36	12.62	16.53	537		120	5				2	8				
<b>TOTAL FOR MAP NO. 2</b>														<b>3.91</b>		<b>537</b>	<b>120</b>	<b>5</b>			<b>2</b>	<b>8</b>				
<b>TOTAL FOR PROJ NO. 2025CPT.03.06.10671</b>														<b>7.81</b>		<b>1,133</b>	<b>240</b>	<b>10</b>			<b>6</b>	<b>4</b>	<b>18</b>			
2025CPT.03.06.20671	Onslow	3	SR-1529 (TURKEY POINT RD/HARBOR POINT RD)	FROM SR 1518 (OLD FOLKSTONE RD) TO END OF MAINTENANCE [MP 0.00 - MP 1.83]	5	2	2WU	NO	NO	1.83	24	0.00	1.83	220			107									
<b>TOTAL FOR MAP NO. 3</b>														<b>1.83</b>		<b>220</b>		<b>107</b>								
2025CPT.03.06.20671	Onslow	4	SR-1530 (TURKEY POINT RD)	FROM SR 1529 (HARBOR PT) TO END OF MAINTENANCE [MP 0.00 - MP 0.82]	5	2	2WU	NO	NO	0.82	23	0.00	0.82	87							1					
<b>TOTAL FOR MAP NO. 4</b>														<b>0.82</b>		<b>87</b>					<b>1</b>					
2025CPT.03.06.20671	Onslow	5	SR-1531 (TAR LANDING RD)	FROM SR 1518 (OLD FOLKSTONE RD) TO END OF MAINTENANCE [MP 0.00 - MP 3.09]	6	2	2WU	NO	NO	3.09	21	0.00	3.09	255	10		607	250	250		3					
<b>TOTAL FOR MAP NO. 5</b>														<b>3.09</b>		<b>255</b>	<b>10</b>	<b>607</b>	<b>250</b>	<b>250</b>		<b>3</b>				
<b>TOTAL FOR PROJ NO. 2025CPT.03.06.20671</b>														<b>5.74</b>		<b>562</b>	<b>10</b>	<b>714</b>	<b>250</b>	<b>250</b>		<b>4</b>				
<b>GRAND TOTAL</b>														<b>13.55</b>		<b>1,695</b>	<b>10</b>	<b>240</b>	<b>724</b>	<b>250</b>	<b>250</b>	<b>6</b>	<b>8</b>	<b>18</b>		
																		<b>500</b>								

PROJECT NO.	SHEET NO.
2025CPT.03.06.10671, 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	BEGIN MP	END MP	3420000000-E	5255000000-N	6000000000-E	6009000000-E	6012000000-E	6015000000-E	6018000000-E	6021000000-E			
														REMOVE & REPLACE EXISTING GUARDRAIL (GENERIC)	PORTABLE LIGHTING	TEMPORARY SILT FENCE	STONE FOR EC CLASS B	SEDIMENT CONTROL STONE	TEMPORARY MULCHING	SEED FOR TEMPORARY SEEDING	FERTILIZER FOR TEMPORARY SEEDING			
														MI	FT									
														LF	LS	LF	TON	TON	ACR	LBS	TON			
2025CPT.03.06.10671	Onslow	1	NC-24 E (LEJEUNE BLVD)	FROM NC HWY 53 (WESTERN BLVD) TO SR 1406 (PINEY GREEN RD) [MP 23.97 - MP 27.87]	1, 2, 3, 4	3	MD	NO	NO	3.90	38	23.97	27.87	925	0.50	390	100	100	3.90	195	1.00			
<b>TOTAL FOR MAP NO. 1</b>														<b>3.90</b>			<b>925</b>	<b>0.50</b>	<b>390</b>	<b>100</b>	<b>100</b>	<b>3.90</b>	<b>195</b>	<b>1.00</b>
2025CPT.03.06.10671	Onslow	2	NC-24 W (FREEDOM WAY)	FROM SR 1406 (PINEY GREEN RD) TO NC HWY 53 (WESTERN BLVD) [MP 12.62 - MP 16.53]	1, 2, 3, 4	3	MD	NO	NO	3.91	36	12.62	16.53	725	0.50	390	100	100	3.90	195	1.00			
<b>TOTAL FOR MAP NO. 2</b>														<b>3.91</b>			<b>725</b>	<b>0.50</b>	<b>390</b>	<b>100</b>	<b>100</b>	<b>3.90</b>	<b>195</b>	<b>1.00</b>
<b>TOTAL FOR PROJ NO. 2025CPT.03.06.10671</b>														<b>7.81</b>			<b>1,650</b>	<b>1</b>	<b>780</b>	<b>200</b>	<b>200</b>	<b>7.80</b>	<b>390</b>	<b>2.00</b>
2025CPT.03.06.20671	Onslow	3	SR-1529 (TURKEY POINT RD/HARBOR POINT RD)	FROM SR 1518 (OLD FOLKSTONE RD) TO END OF MAINTENANCE [MP 0.00 - MP 1.83]	5	2	2WU	NO	NO	1.83	24	0.00	1.83			185	45	45	1.85	90	0.45			
<b>TOTAL FOR MAP NO. 3</b>														<b>1.83</b>					<b>185</b>	<b>45</b>	<b>45</b>	<b>1.85</b>	<b>90</b>	<b>0.45</b>
2025CPT.03.06.20671	Onslow	4	SR-1530 (TURKEY POINT RD)	FROM SR 1529 (HARBOR PT) TO END OF MAINTENANCE [MP 0.00 - MP 0.82]	5	2	2WU	NO	NO	0.82	23	0.00	0.82			80	20	20	0.80	40	0.20			
<b>TOTAL FOR MAP NO. 4</b>														<b>0.82</b>					<b>80</b>	<b>20</b>	<b>20</b>	<b>0.80</b>	<b>40</b>	<b>0.20</b>
2025CPT.03.06.20671	Onslow	5	SR-1531 (TAR LANDING RD)	FROM SR 1518 (OLD FOLKSTONE RD) TO END OF MAINTENANCE [MP 0.00 - MP 3.09]	6	2	2WU	NO	NO	3.09	21	0.00	3.09			310	75	75	3.00	155	0.75			
<b>TOTAL FOR MAP NO. 5</b>														<b>3.09</b>					<b>310</b>	<b>75</b>	<b>75</b>	<b>3.00</b>	<b>155</b>	<b>0.75</b>
<b>TOTAL FOR PROJ NO. 2025CPT.03.06.20671</b>														<b>5.74</b>					<b>575</b>	<b>140</b>	<b>140</b>	<b>5.65</b>	<b>285</b>	<b>1.40</b>
<b>GRAND TOTAL</b>														<b>13.55</b>			<b>1,650</b>	<b>1</b>	<b>1,355</b>	<b>340</b>	<b>340</b>	<b>13.45</b>	<b>675</b>	<b>3.40</b>

PROJECT NO.	SHEET NO.
2025CPT.03.06.10671, ETC.	12

## 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	7444000000-E
										MI	FT			SY	LF	LF	AC	LB	TON	EA	LF
2025CPT.03.06.10671	Onslow	1	NC-24 E (LEJEUNE BLVD)	FROM NC HWY 53 (WESTERN BLVD) TO SR 1406 (PINEY GREEN RD) [MP 23.97 - MP 27.87]	1, 2, 3, 4	3	MD	NO	NO	3.90	38	23.97	27.87	30	195	60	3.80	200	1.00	8	2,184
<b>TOTAL FOR MAP NO. 1</b>										<b>3.90</b>				<b>30</b>	<b>195</b>	<b>60</b>	<b>3.80</b>	<b>200</b>	<b>1.00</b>	<b>8</b>	<b>2,184</b>
2025CPT.03.06.10671	Onslow	2	NC-24 W (FREEDOM WAY)	FROM SR 1406 (PINEY GREEN RD) TO NC HWY 53 (WESTERN BLVD) [MP 12.62 - MP 16.53]	1, 2, 3, 4	3	MD	NO	NO	3.91	36	12.62	16.53	30	195	60	3.80	195	1.00	8	3,718
<b>TOTAL FOR MAP NO. 2</b>										<b>3.91</b>				<b>30</b>	<b>195</b>	<b>60</b>	<b>3.80</b>	<b>195</b>	<b>1.00</b>	<b>8</b>	<b>3,718</b>
<b>TOTAL FOR PROJ NO. 2025CPT.03.06.10671</b>										<b>7.81</b>				<b>60</b>	<b>390</b>	<b>120</b>	<b>7.60</b>	<b>395</b>	<b>2.00</b>	<b>16</b>	<b>5,902</b>
2025CPT.03.06.20671	Onslow	3	SR-1529 (TURKEY POINT RD/HARBOR POINT RD)	FROM SR 1518 (OLD FOLKSTONE RD) TO END OF MAINTENANCE [MP 0.00 - MP 1.83]	5	2	2WU	NO	NO	1.83	24	0.00	1.83	20	90	30	1.75	90	0.45	4	
<b>TOTAL FOR MAP NO. 3</b>										<b>1.83</b>				<b>20</b>	<b>90</b>	<b>30</b>	<b>1.75</b>	<b>90</b>	<b>0.45</b>	<b>4</b>	
2025CPT.03.06.20671	Onslow	4	SR-1530 (TURKEY POINT RD)	FROM SR 1529 (HARBOR PT) TO END OF MAINTENANCE [MP 0.00 - MP 0.82]	5	2	2WU	NO	NO	0.82	23	0.00	0.82	10	40	20	0.80	40	0.20	2	
<b>TOTAL FOR MAP NO. 4</b>										<b>0.82</b>				<b>10</b>	<b>40</b>	<b>20</b>	<b>0.80</b>	<b>40</b>	<b>0.20</b>	<b>2</b>	
2025CPT.03.06.20671	Onslow	5	SR-1531 (TAR LANDING RD)	FROM SR 1518 (OLD FOLKSTONE RD) TO END OF MAINTENANCE [MP 0.00 - MP 3.09]	6	2	2WU	NO	NO	3.09	21	0.00	3.09	20	155	50	3.00	155	0.75	6	
<b>TOTAL FOR MAP NO. 5</b>										<b>3.09</b>				<b>20</b>	<b>155</b>	<b>50</b>	<b>3.00</b>	<b>155</b>	<b>0.75</b>	<b>6</b>	
<b>TOTAL FOR PROJ NO. 2025CPT.03.06.20671</b>										<b>5.74</b>				<b>50</b>	<b>285</b>	<b>100</b>	<b>5.55</b>	<b>285</b>	<b>1.40</b>	<b>12</b>	
<b>GRAND TOTAL</b>										<b>13.55</b>				<b>110</b>	<b>675</b>	<b>220</b>	<b>13.15</b>	<b>680</b>	<b>3.40</b>	<b>28</b>	<b>5,902</b>

PROJECT NO.	SHEET NO.
2025CPT.03.06.10671, ETC.	13

## THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4413000000-E	4415000000-N	4420000000-N	4434000000-N	4457000000-N	4480000000-N	4510000000-N	4688000000-E	
								MI	FT			WORK ZONE ADVANCE/GENERAL WARNING SIGNING	FLASHING ARROW BOARD	PORT CHANG MSG SIGN	SEQUENTIAL FLASHING WARNING LIGHTS	TEMPORARY TRAFFIC CONTROL	TMA	LAW ENFORCEMENT	6" X90 M YELLOW THERMO	6" X 90 M WHITE THERMO
												SF	EA	EA	EA	LS	EA	HR	LF	LF
2025CPT.03.06.10671	Onslow	1	NC-24 E (LEJEUNE BLVD)	FROM NC HWY 53 (WESTERN BLVD) TO SR 1406 (PINEY GREEN RD) [MP 23.97 - MP 27.87]	1, 2, 3, 4	3	MD	3.90	38	23.97	27.87	800	2	3	6	0.31	2	480	26,913	42,079
<b>TOTAL FOR MAP NO. 1</b>								<b>3.90</b>				<b>800</b>	<b>2</b>	<b>3</b>	<b>6</b>	<b>0.31</b>	<b>2</b>	<b>480</b>	<b>26,913</b>	<b>42,079</b>
2025CPT.03.06.10671	Onslow	2	NC-24 W (FREEDOM WAY)	FROM SR 1406 (PINEY GREEN RD) TO NC HWY 53 (WESTERN BLVD) [MP 12.62 - MP 16.53]	1, 2, 3, 4	3	MD	3.91	36	12.62	16.53	800	2	3	6	0.31	2	480	27,695	43,369
<b>TOTAL FOR MAP NO. 2</b>								<b>3.91</b>				<b>800</b>	<b>2</b>	<b>3</b>	<b>6</b>	<b>0.31</b>	<b>2</b>	<b>480</b>	<b>27,695</b>	<b>43,369</b>
<b>TOTAL FOR PROJ NO. 2025CPT.03.06.10671</b>								<b>7.81</b>				<b>1,600</b>	<b>4</b>	<b>6</b>	<b>12</b>	<b>0.62</b>	<b>4</b>	<b>960</b>	<b>54,608</b>	<b>85,448</b>
																			<b>140,056</b>	
2025CPT.03.06.20671	Onslow	3	SR-1529 (TURKEY POINT RD/HARBOR POINT RD)	FROM SR 1518 (OLD FOLKSTONE RD) TO END OF MAINTENANCE [MP 0.00 - MP 1.83]	5	2	2WU	1.83	24	0.00	1.83					0.12				
<b>TOTAL FOR MAP NO. 3</b>								<b>1.83</b>								<b>0.12</b>				
2025CPT.03.06.20671	Onslow	4	SR-1530 (TURKEY POINT RD)	FROM SR 1529 (HARBOR PT) TO END OF MAINTENANCE [MP 0.00 - MP 0.82]	5	2	2WU	0.82	23	0.00	0.82					0.06				
<b>TOTAL FOR MAP NO. 4</b>								<b>0.82</b>							<b>0.06</b>					
2025CPT.03.06.20671	Onslow	5	SR-1531 (TAR LANDING RD)	FROM SR 1518 (OLD FOLKSTONE RD) TO END OF MAINTENANCE [MP 0.00 - MP 3.09]	6	2	2WU	3.09	21	0.00	3.09	352				0.20			11,651	12,778
<b>TOTAL FOR MAP NO. 5</b>								<b>3.09</b>				<b>352</b>			<b>0.20</b>			<b>11,651</b>	<b>12,778</b>	
<b>TOTAL FOR PROJ NO. 2025CPT.03.06.20671</b>								<b>5.74</b>				<b>352</b>			<b>0.38</b>			<b>11,651</b>	<b>12,778</b>	
																			<b>24,429</b>	
<b>GRAND TOTAL</b>								<b>13.55</b>				<b>1,952</b>	<b>4</b>	<b>6</b>	<b>12</b>	<b>1</b>	<b>4</b>	<b>960</b>	<b>66,259</b>	<b>98,226</b>
																			<b>164,485</b>	

PROJECT NO.	SHEET NO.
2025CPT.03.06.10671, ETC.	14

## THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4695000000-E	4700000000-E	4704000000-E	4709000000-E	4720000000-E		4725000000-E			
												8" X 90 M YELLOW THERMO	12" X 90 M WHITE THERMO	THERMOPLAST IC PAVEMENT MARKING LINES (16" X 90 MILS)	THERMOPLAST IC PAVEMENT MARKING LINES (24" X 90 MILS)	THERMO PAVEMENT MARKING CHARACTER (90 MILS)	THERMO RXR 90 MILS	THERMO STR ARROW (90 MIL)	THERMO LT ARROW (90 MIL)	THERMO RT ARROW (90 MIL)	
												MI	FT			EA	EA	EA	EA	EA	
2025CPT.03.06.10671	Onslow	1	NC-24 E (LEJEUNE BLVD)	FROM NC HWY 53 (WESTERN BLVD) TO SR 1406 (PINEY GREEN RD) [MP 23.97 - MP 27.87]	1, 2, 3, 4	3	MD	3.90	38	23.97	27.87		364	175	722	4	4	63	48	15	
<b>TOTAL FOR MAP NO. 1</b>								<b>3.90</b>					<b>364</b>	<b>175</b>	<b>722</b>	<b>4</b>	<b>4</b>	<b>63</b>	<b>48</b>	<b>15</b>	
2025CPT.03.06.10671	Onslow	2	NC-24 W (FREEDOM WAY)	FROM SR 1406 (PINEY GREEN RD) TO NC HWY 53 (WESTERN BLVD) [MP 12.62 - MP 16.53]	1, 2, 3, 4	3	MD	3.91	36	12.62	16.53		526	100	603	8	4	63	26	23	
<b>TOTAL FOR MAP NO. 2</b>								<b>3.91</b>					<b>526</b>	<b>100</b>	<b>603</b>	<b>8</b>	<b>4</b>	<b>63</b>	<b>26</b>	<b>23</b>	
<b>TOTAL FOR PROJ NO. 2025CPT.03.06.10671</b>								<b>7.81</b>					<b>890</b>	<b>275</b>	<b>1,325</b>	<b>12</b>	<b>8</b>	<b>126</b>	<b>74</b>	<b>38</b>	
												<b>20</b>		<b>248</b>							
2025CPT.03.06.20671	Onslow	3	SR-1529 (TURKEY POINT RD/HARBOR POINT RD)	FROM SR 1518 (OLD FOLKSTONE RD) TO END OF MAINTENANCE [MP 0.00 - MP 1.83]	5	2	2WU	1.83	24	0.00	1.83				36						
<b>TOTAL FOR MAP NO. 3</b>								<b>1.83</b>							<b>36</b>						
2025CPT.03.06.20671	Onslow	4	SR-1530 (TURKEY POINT RD)	FROM SR 1529 (HARBOR PT) TO END OF MAINTENANCE [MP 0.00 - MP 0.82]	5	2	2WU	0.82	23	0.00	0.82				11						
<b>TOTAL FOR MAP NO. 4</b>								<b>0.82</b>							<b>11</b>						
2025CPT.03.06.20671	Onslow	5	SR-1531 (TAR LANDING RD)	FROM SR 1518 (OLD FOLKSTONE RD) TO END OF MAINTENANCE [MP 0.00 - MP 3.09]	6	2	2WU	3.09	21	0.00	3.09	250									
<b>TOTAL FOR MAP NO. 5</b>								<b>3.09</b>					<b>250</b>								
<b>TOTAL FOR PROJ NO. 2025CPT.03.06.20671</b>								<b>5.74</b>					<b>250</b>		<b>47</b>						
<b>GRAND TOTAL</b>								<b>13.55</b>					<b>250</b>	<b>890</b>	<b>275</b>	<b>1,372</b>	<b>12</b>	<b>8</b>	<b>126</b>	<b>74</b>	<b>38</b>
												<b>20</b>		<b>248</b>							

PROJECT NO.	SHEET NO.
2025CPT.03.06.10671, ETC.	15

## THERMOPLASTIC AND PAINT QUANTITIES

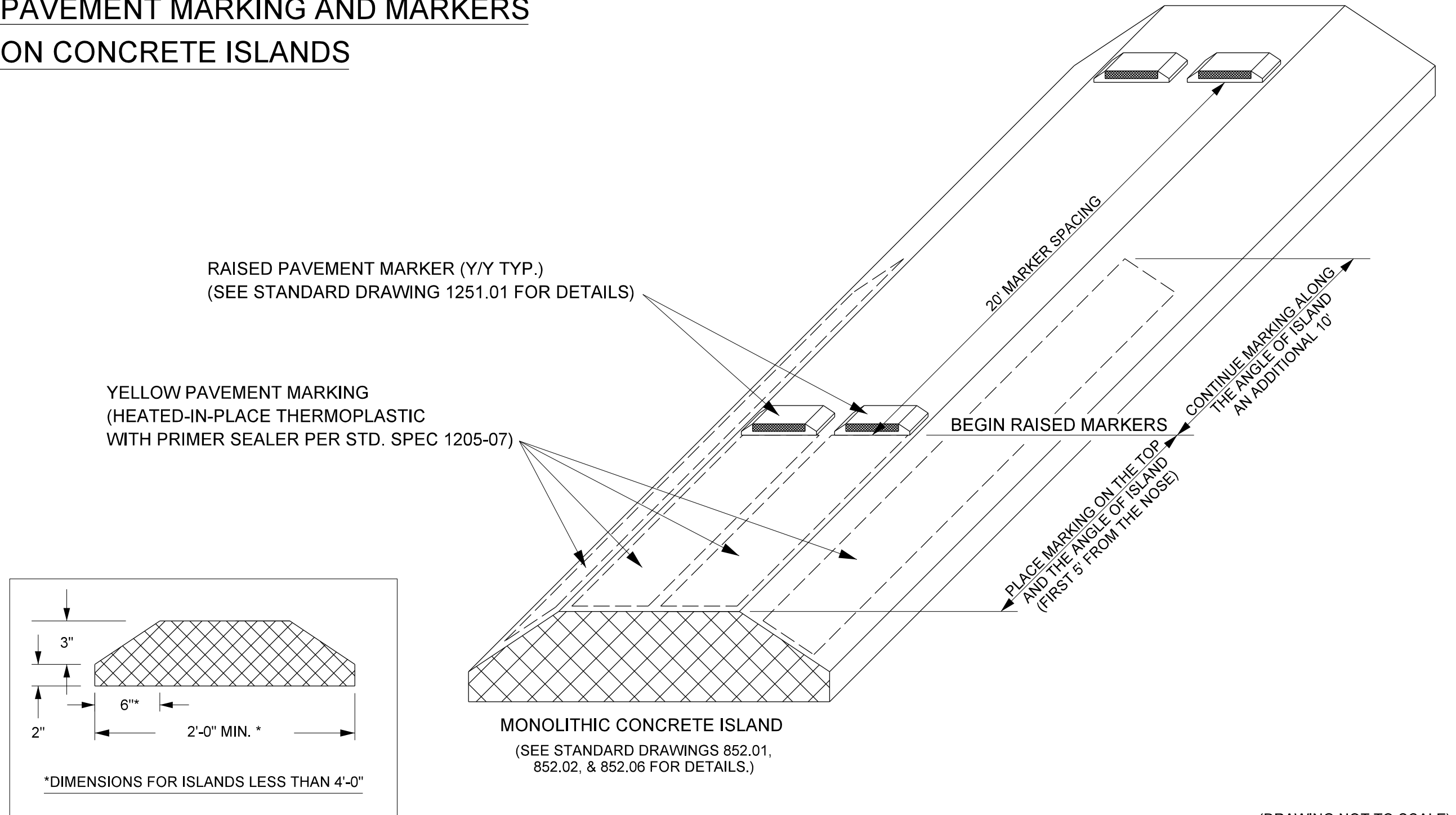
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4725000000-E			4810000000-E		4815000000-E		4850000000-E	4900000000-N	4905100000-N			
												THERMO STR & LT ARROW (90 MIL)	MERGE ARROW (90 MIL)	THERMO U-TURN ARROW (90 MIL)	4" YELLOW PAINT	4" WHITE PAINT	6" WHITE PAINT	6" YELLOW PAINT	REMOVAL OF PAVEMENT MARKING LINES (4")	YELLOW & YELLOW MARKERS	NON CAST IRON SNOWPLOWABLE MARKERS (C/R)			
												EA	EA	EA	LF	LF	LF	LF	LF	EA	EA			
2025CPT.03.06.10671	Onslow	1	NC-24 E (LEJEUNE BLVD)	FROM NC HWY 53 (WESTERN BLVD) TO SR 1406 (PINEY GREEN RD) [MP 23.97 - MP 27.87]	1, 2, 3, 4	3	MD	3.90	38	23.97	27.87	3						3,725	750	2,238	20	543		
<b>TOTAL FOR MAP NO. 1</b>								<b>3.90</b>				<b>3</b>						<b>3,725</b>	<b>750</b>	<b>2,238</b>	<b>20</b>	<b>543</b>		
2025CPT.03.06.10671	Onslow	2	NC-24 W (FREEDOM WAY)	FROM SR 1406 (PINEY GREEN RD) TO NC HWY 53 (WESTERN BLVD) [MP 12.62 - MP 16.53]	1, 2, 3, 4	3	MD	3.91	36	12.62	16.53		3	4				1,125	750	938	100	636		
<b>TOTAL FOR MAP NO. 2</b>								<b>3.91</b>					<b>3</b>	<b>4</b>				<b>1,125</b>	<b>750</b>	<b>938</b>	<b>100</b>	<b>636</b>		
<b>TOTAL FOR PROJ NO. 2025CPT.03.06.10671</b>								<b>7.81</b>				<b>3</b>	<b>3</b>	<b>4</b>					<b>4,850</b>	<b>1,500</b>	<b>3,176</b>	<b>120</b>	<b>1,179</b>	
																		<b>6,350</b>						
2025CPT.03.06.20671	Onslow	3	SR-1529 (TURKEY POINT RD/HARBOR POINT RD)	FROM SR 1518 (OLD FOLKSTONE RD) TO END OF MAINTENANCE [MP 0.00 - MP 1.83]	5	2	2WU	1.83	24	0.00	1.83													
<b>TOTAL FOR MAP NO. 3</b>								<b>1.83</b>																
2025CPT.03.06.20671	Onslow	4	SR-1530 (TURKEY POINT RD)	FROM SR 1529 (HARBOR PT) TO END OF MAINTENANCE [MP 0.00 - MP 0.82]	5	2	2WU	0.82	23	0.00	0.82													
<b>TOTAL FOR MAP NO. 4</b>								<b>0.82</b>																
2025CPT.03.06.20671	Onslow	5	SR-1531 (TAR LANDING RD)	FROM SR 1518 (OLD FOLKSTONE RD) TO END OF MAINTENANCE [MP 0.00 - MP 3.09]	6	2	2WU	3.09	21	0.00	3.09													
<b>TOTAL FOR MAP NO. 5</b>								<b>3.09</b>																
<b>TOTAL FOR PROJ NO. 2025CPT.03.06.20671</b>								<b>5.74</b>																
																		<b>234,502</b>						
<b>GRAND TOTAL</b>								<b>13.55</b>				<b>3</b>	<b>3</b>	<b>4</b>	<b>115,582</b>	<b>118,920</b>	<b>4,850</b>	<b>1,500</b>	<b>3,176</b>	<b>501</b>	<b>1,179</b>			
																		<b>234,502</b>		<b>6,350</b>				



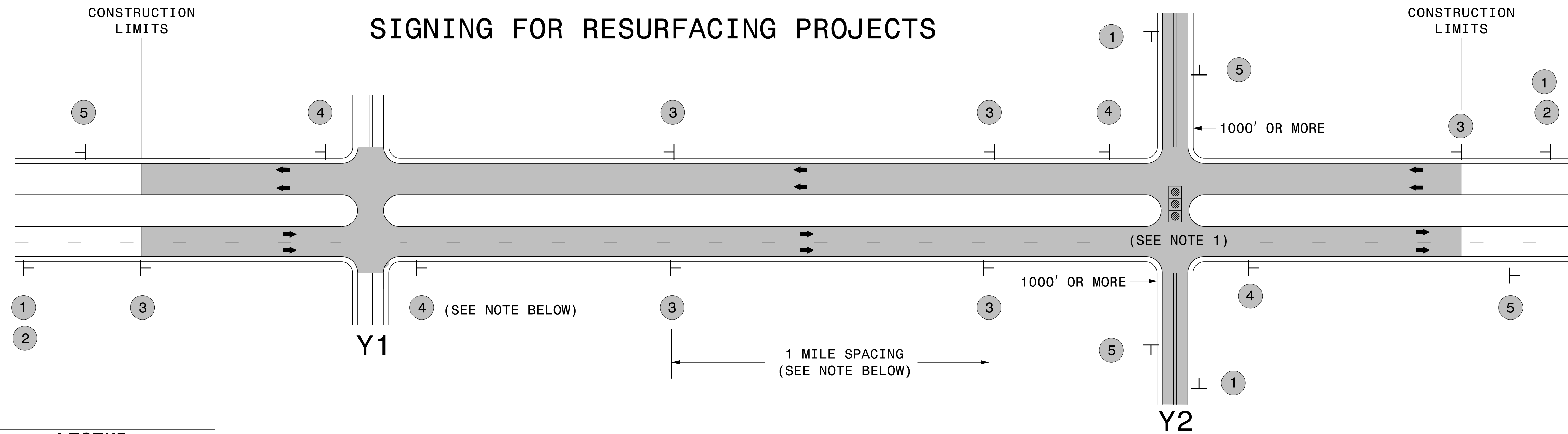


# PAVEMENT MARKING DETAIL

## PAVEMENT MARKING AND MARKERS ON CONCRETE ISLANDS



(DRAWING NOT TO SCALE)



LEGEND	
⊥	STATIONARY SIGN
←	DIRECTION OF TRAFFIC FLOW

### MAINLINE (-L-) SIGNING

### -Y- LINE SIGNING

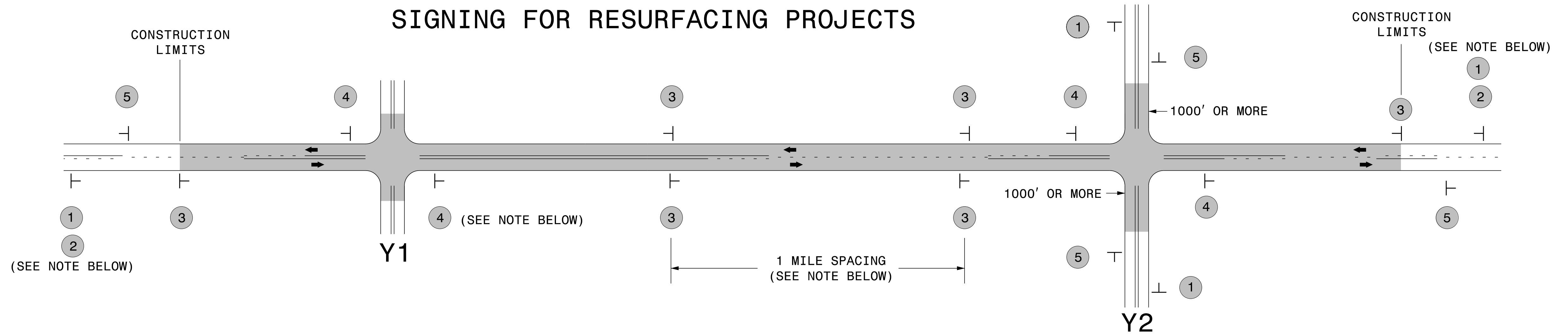
SIGNING NOTES AND PLACEMENT PER DIRECTION	MAINLINE (-L-) SIGNING		-Y- LINE SIGNING	
	1	 W20-1 48" X 48"	PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	<p><b>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</b></p> <ol style="list-style-type: none"> <li>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>2) SUBDIVISION ROADS</li> <li>3) DEAD END ROADS</li> </ol> <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; align-items: center;"> <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. PLACED 250' IN ADVANCE OF FLAGGER.</p>
	2	 W7-3aP 24" X 18"	#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)	
	3	 SP 13107 48" X 48"	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.	
	4	 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.		

**NOTES:**

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

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

# SIGNING FOR RESURFACING PROJECTS

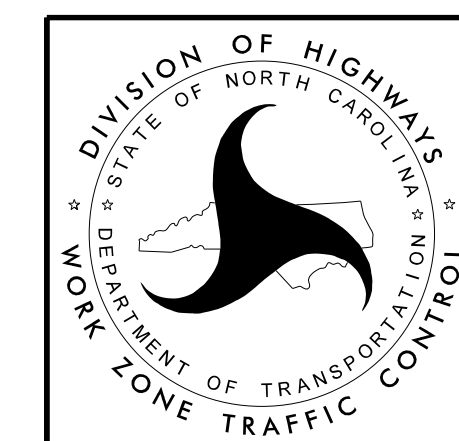


LEGEND	
┆	STATIONARY SIGN
←	DIRECTION OF TRAFFIC FLOW

## 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"> <li>LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>SUBDIVISION ROADS</li> <li>DEAD END ROADS</li> </ol> <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>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>	



RESURFACING  
ADVANCE WARNING SIGNS  
FOR  
RURAL AND SUBURBAN  
2 LANE ROADWAYS

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

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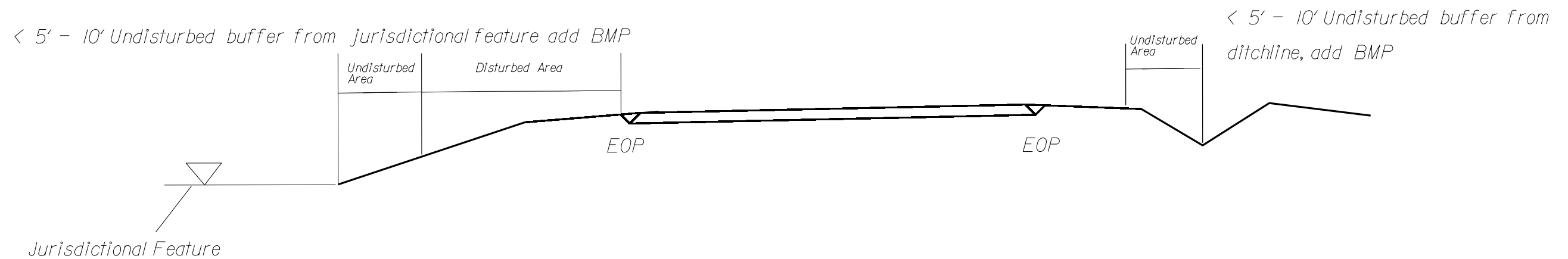
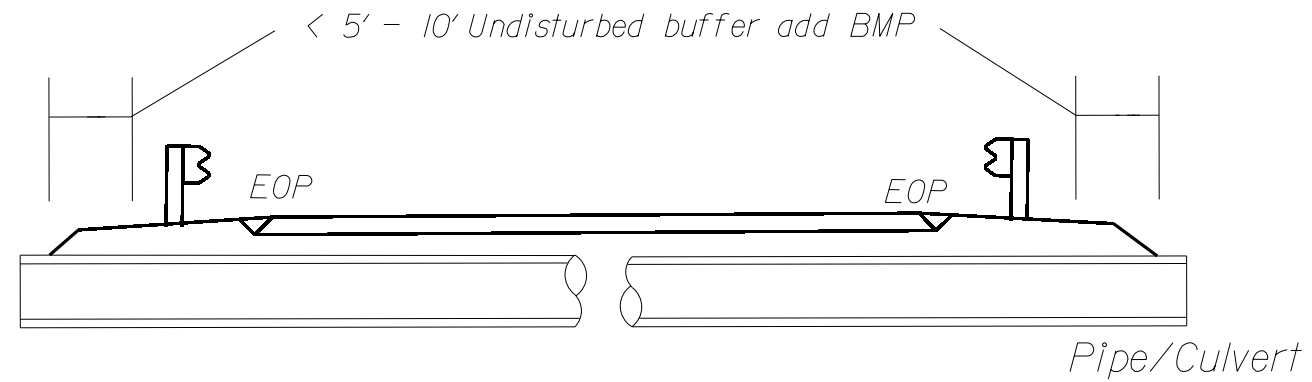
## ***SOIL STABILIZATION TIMEFRAMES***

<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

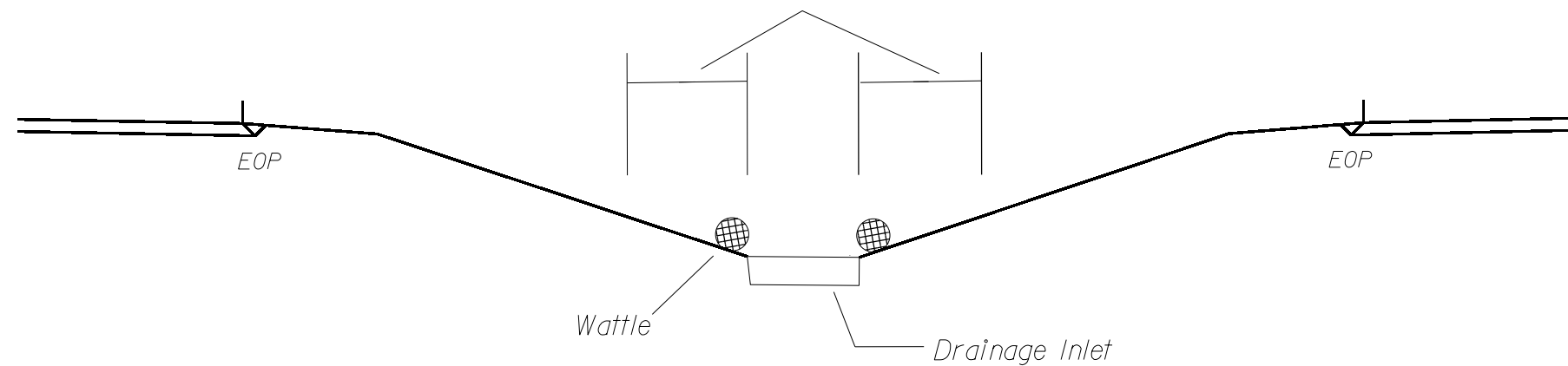
# EROSION CONTROL DETAIL



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

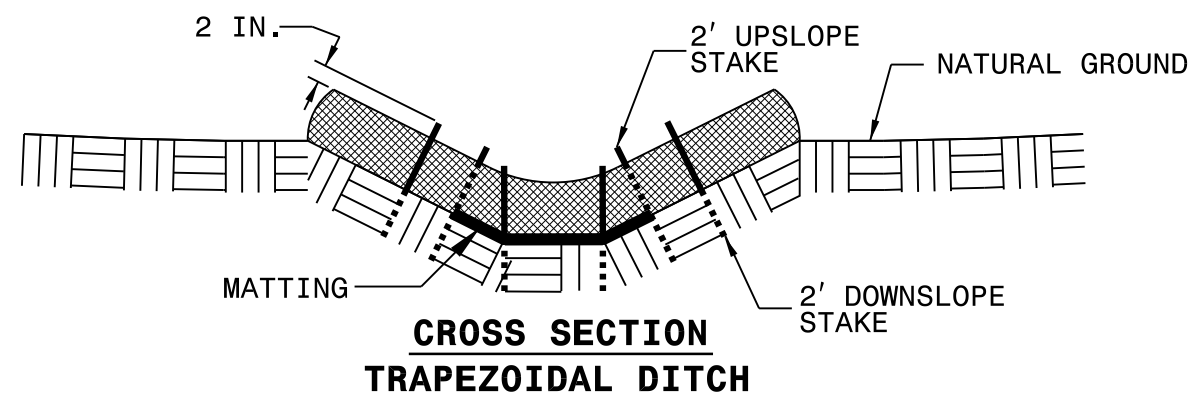
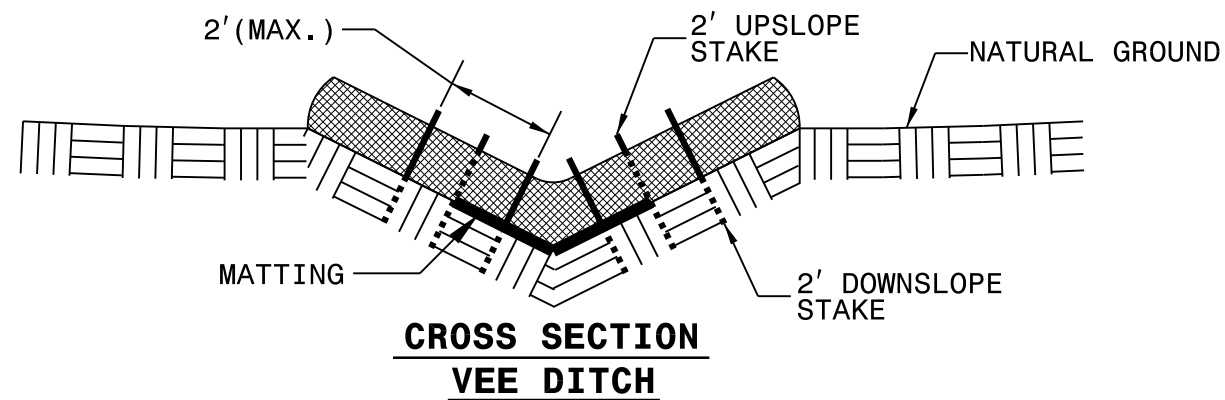
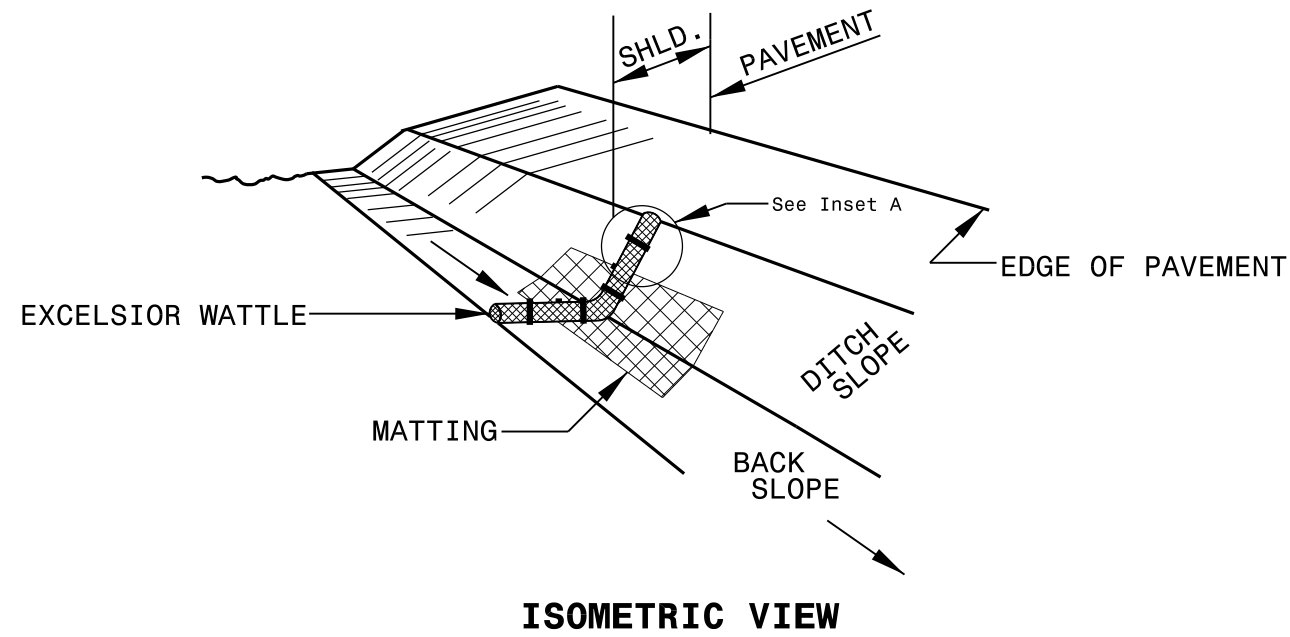


< 5' - 10' Undisturbed buffer from inlet, add wattle



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.

