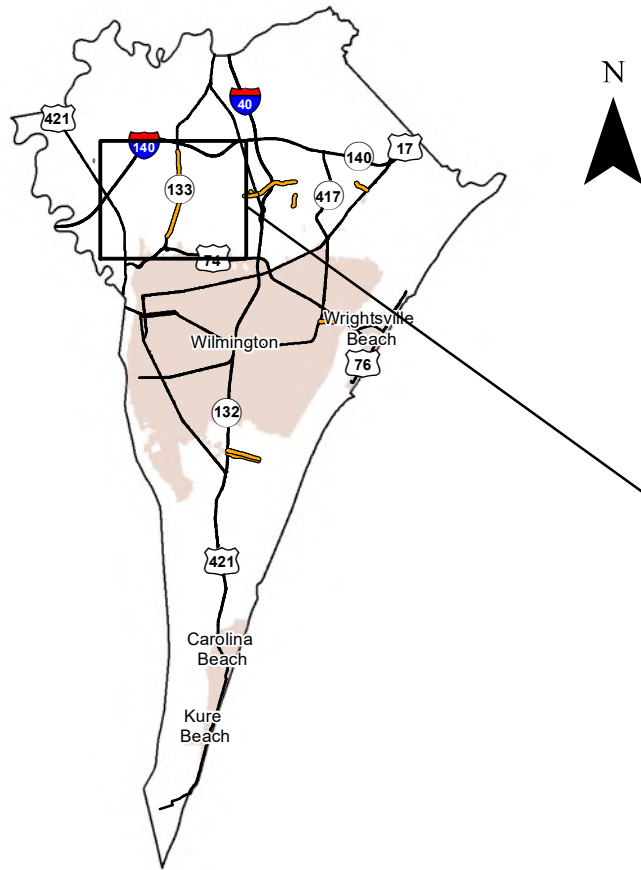


WBS NO: 2026CPT.03.03.10651, ETC.

CONTRACT: DC00492



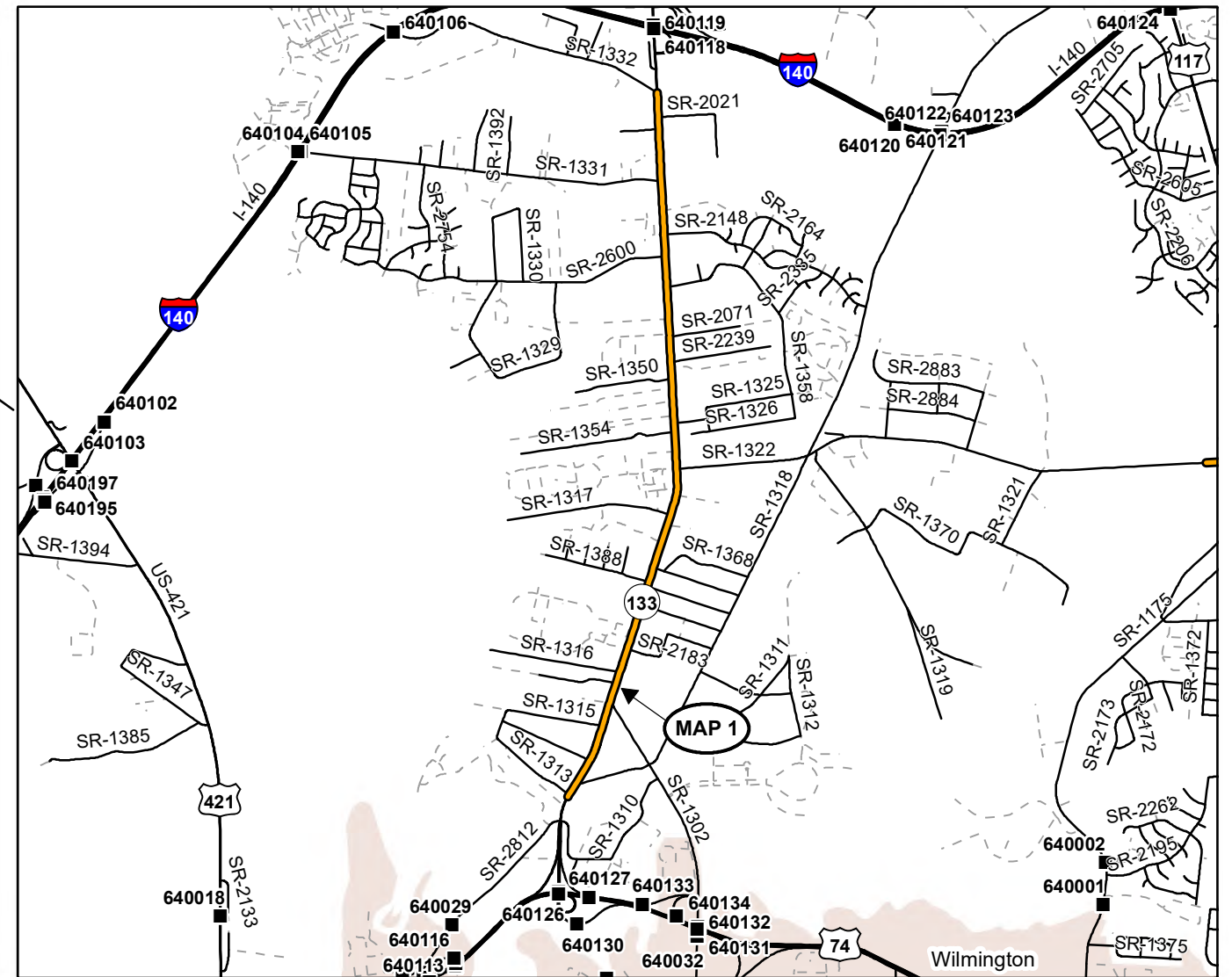
**STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS  
NEW HANOVER COUNTY**

*TYPE OF WORK: RESURFACING*

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2026CPT.03.03.10651, ETC.	1
STATE PROJECT NUMBER		DESCRIPTION

- Resurfacing
- Division 3 Bridges

MAP	ROUTE	DESCRIPTION	TYPE
1	NC 133 / CASTLE HAYNE RD	FROM 0.11 MI NORTH OF SR 1310 (DIVISION DR) TO SR 1332 (CHAIR RD) [MP 3.63 - MP 6.90]	RESURFACING



**PROJECT LENGTH**

MAP	MILES
1	3.27

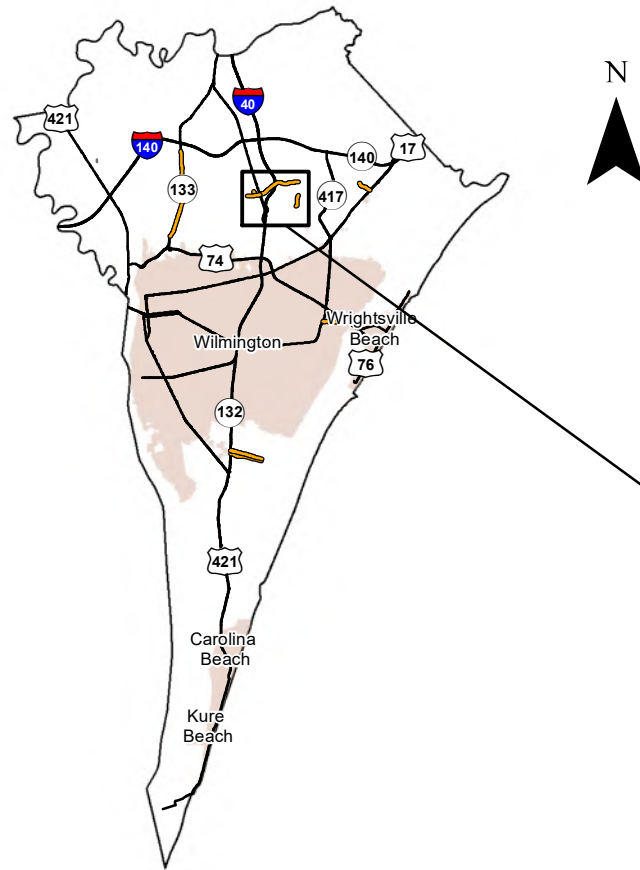
Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
5501 BARBADOS BLVD., CASTLE HAYNE, NC, 28429

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: 2026CPT.03.03.10651, ETC.

CONTRACT: DC00492



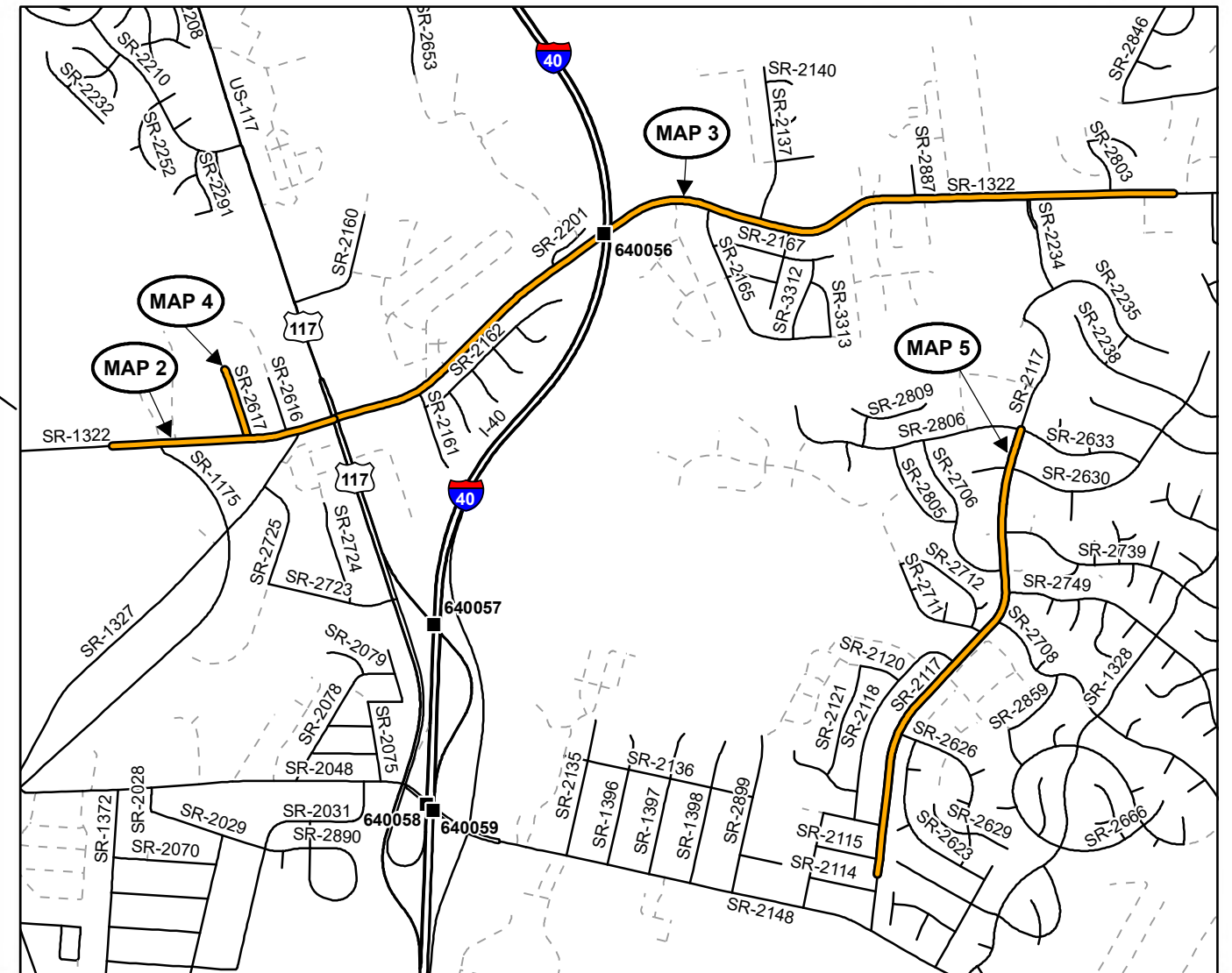
**STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS  
NEW HANOVER COUNTY**

*TYPE OF WORK: RESURFACING*

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2026CPT.03.03.10651, ETC.	2
STATE PROJECT NUMBER		DESCRIPTION

- Resurfacing
- Division 3 Bridges

MAP	ROUTE	DESCRIPTION	TYPE
2	SR-1322 / BAVARIAN LN	FROM SR 1175 (N KERR AVE) TO US HWY 117 (N COLLEGE RD) [MP 2.45 - MP 2.89]	RESURFACING
3	SR-1322 / MURRAYVILLE RD	FROM US HWY 117 (N COLLEGE RD) TO 0.08 MI WEST OF SR 1361 (CLEWIS AVE) [MP 2.89 - MP 4.79]	RESURFACING
4	SR-2617 / RED HAWK RD	FROM SR 1322 (BAVARIAN LN) TO CUL-DE-SAC [MP 0.00 - MP 0.15]	RESURFACING
5	SR-2117 / HARRIS RD / SHENANDOAH ST	FROM HALFWAY BETWEEN SR 2114 (CANTWELL RD) AND SR 2115 (IVANHOE RD) TO SR 2633 (SHIRE LN) [MP 0.12 - MP 1.13]	RESURFACING



**PROJECT LENGTH**

MAP	MILES
2	0.44
3	1.90
4	0.15
5	1.01

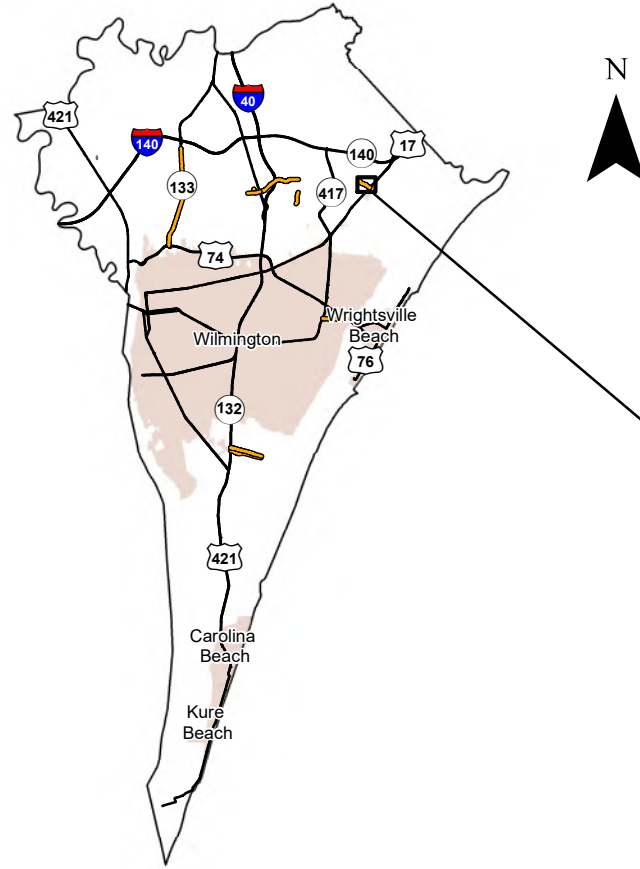
Prepared in the Office of:  
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WBS NO: 2026CPT.03.03.10651, ETC.

CONTRACT: DC00492



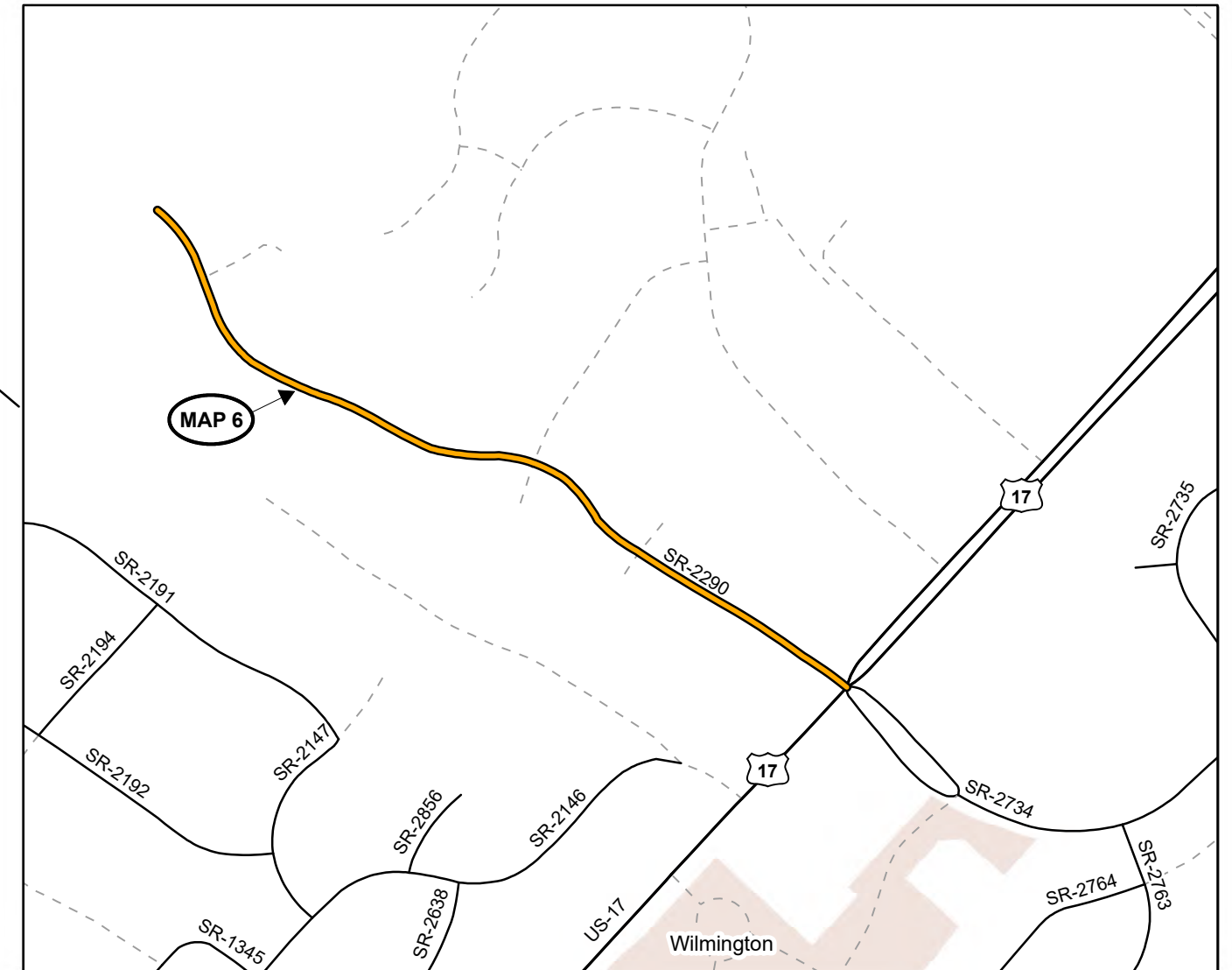
STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS  
**NEW HANOVER COUNTY**

*TYPE OF WORK: RESURFACING*

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2026CPT.03.03.10651, ETC.	3
STATE PROJECT NUMBER		DESCRIPTION

- Resurfacing
- Division 3 Bridges

MAP	ROUTE	DESCRIPTION	TYPE
6	SR-2290 / MENDENHALL DR	FROM US HWY 17 (MARKET ST) TO END MAINTENANCE (MP 0.00 - MP 0.49]	RESURFACING



**PROJECT LENGTH**

MAP	MILES
6	0.49

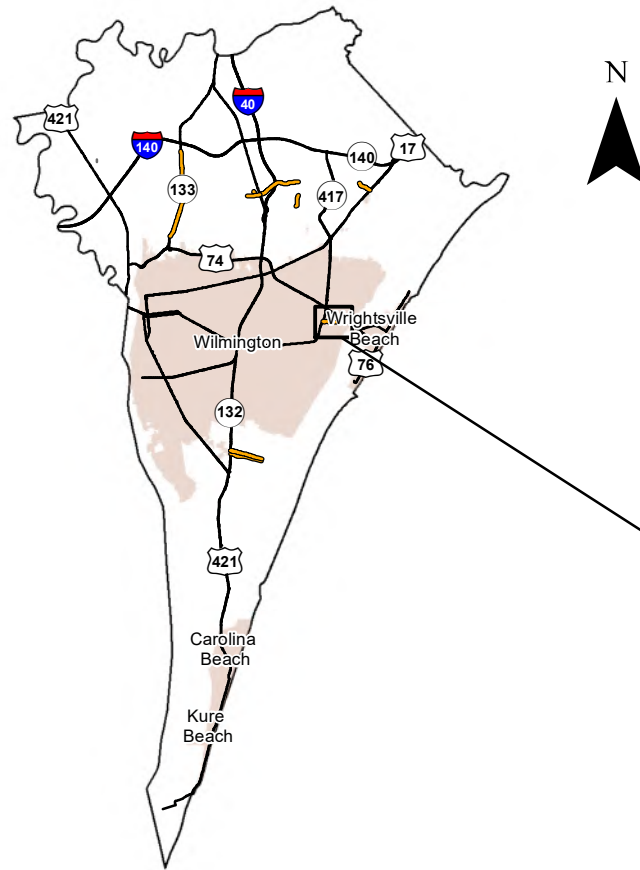
Prepared in the Office of:  
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WBS NO: 2026CPT.03.03.10651, ETC.

CONTRACT: DC00492



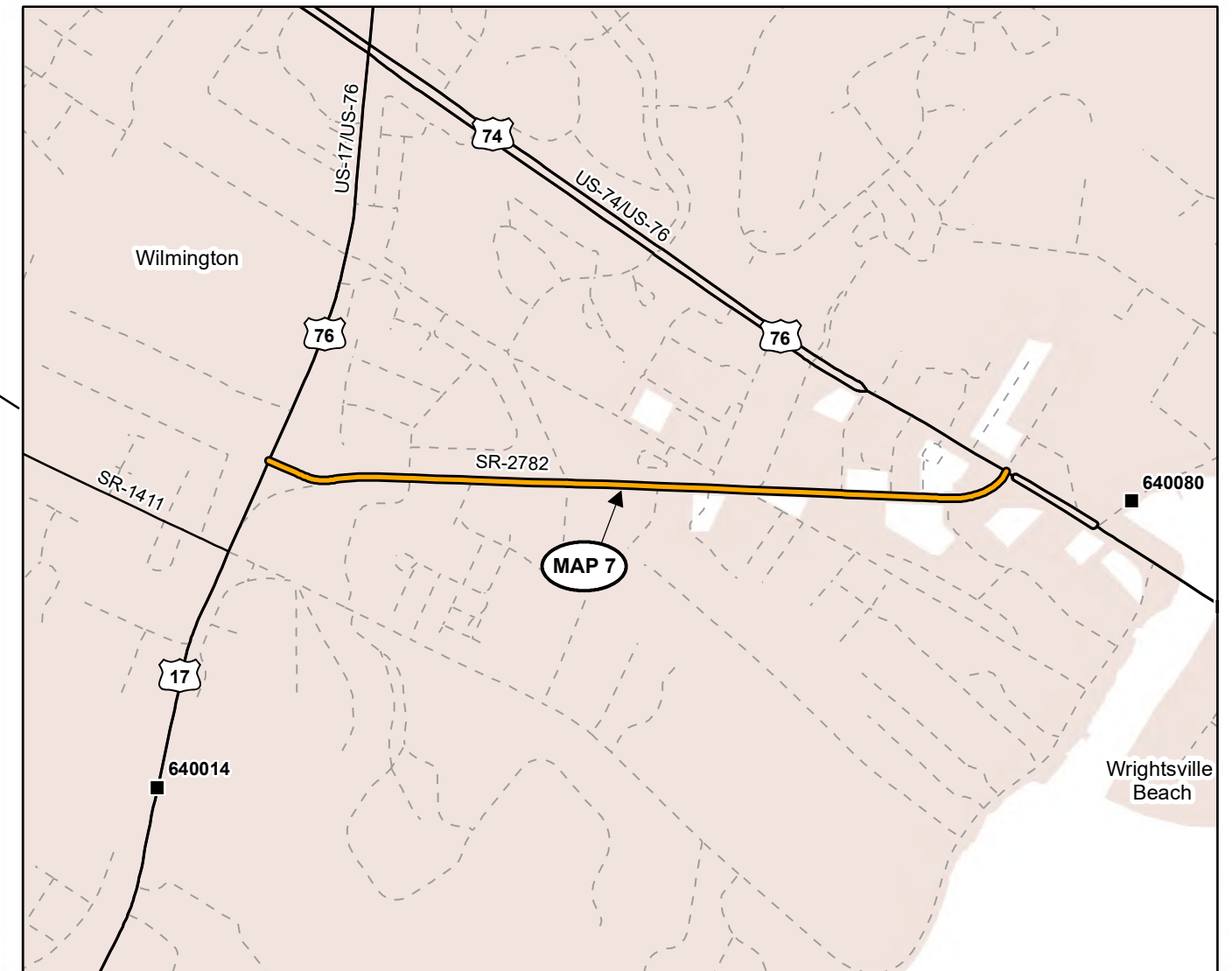
STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS  
**NEW HANOVER COUNTY**

*TYPE OF WORK: RESURFACING*

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2026CPT.03.03.10651, ETC.	4
STATE PROJECT NUMBER		DESCRIPTION

- Resurfacing
- Division 3 Bridges

MAP	ROUTE	DESCRIPTION	TYPE
7	SR-2782 / WRIGHTSVILLE AVE	FROM US HWY 76 (MILITARY CUTOFF RD) TO US HWY 74/76 (EASTWOOD RD) [MP 0.00 - MP 0.87]	RESURFACING



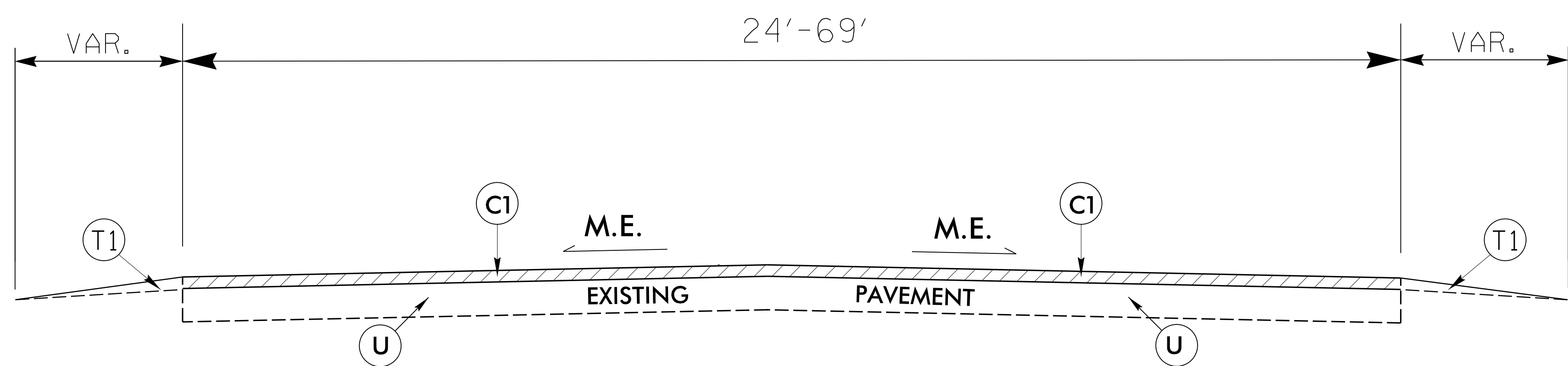
**PROJECT LENGTH**

MAP	MILES
7	0.87

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.

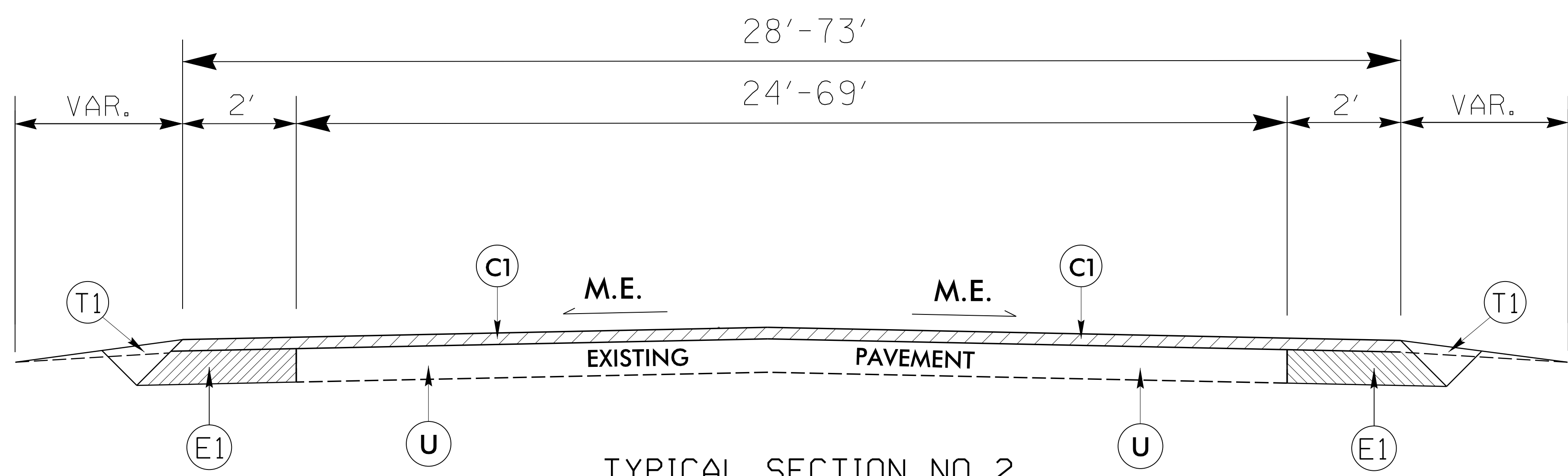




**TYPICAL SECTION NO. 1**

MAP NO. 1  
 NC 133 / CASTLE HAYNE RD  
 MP 3.63 - MP 6.50

- (V3) MP 4.64 - MP 5.02 FRIS MILLING
- (V3) MP 6.06 - MP 6.07 FRIS MILLING



**TYPICAL SECTION NO. 2**

MAP NO. 1  
 NC 133 / CASTLE HAYNE RD  
 FROM SR 1331 ROCK HILL RD TO SR 1332 CHAIR RD  
 MP 6.50 - MP 6.90

**PAVEMENT SCHEDULE**

C1	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
C2	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
C3	PROP. APPROX. 1¼" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ.YD.
E1	PROP. APPROX. 5" DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ.YD.
R1	EXISTING MONOLITHIC ISLAND
R2	EXISTING 8" X 6" CONCRETE CURB
R3	EXISTING 2'-6" CURB & GUTTER
R4	EXISTING VALLEY GUTTER
T1	EARTH MATERIAL SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	VARIABLE MILLING 0" TO 1.5" DEPTH
V2	VARIABLE MILLING 0" TO 1.25" DEPTH
V3	MILLING ASPHALT PAVEMENT, 1.5" DEPTH

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

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

THE CONTRACTOR SHALL RETAIN EXISTING LANE WIDTHS AND REINSTALL MARKINGS AT SAME LOCATIONS.

PLACE LANE MARKINGS AND SYMBOLS FOR A RIGHT TURN LANE FRONTING CAPE FEAR PLAZA ACROSS FROM YORKTOWN DRIVE. SEE SHEET PMP-1.

THE CONTRACTOR SHALL BE AWARE THAT PORTIONS OF MAP 1, NC 133/CASTLE HAYNE RD IS WITHIN A FLOODPLAIN (FRIS) AREA AND MILLING IS REQUIRED TO MAINTAIN THE EXISTING ELEVATION BETWEEN MP 4.64 TO MP 5.02, AND MP 6.06 TO MP 6.07. FLOODPLAIN (FRIS) LOCATION WILL BE PRE-MARKED BY STATE FORCES.

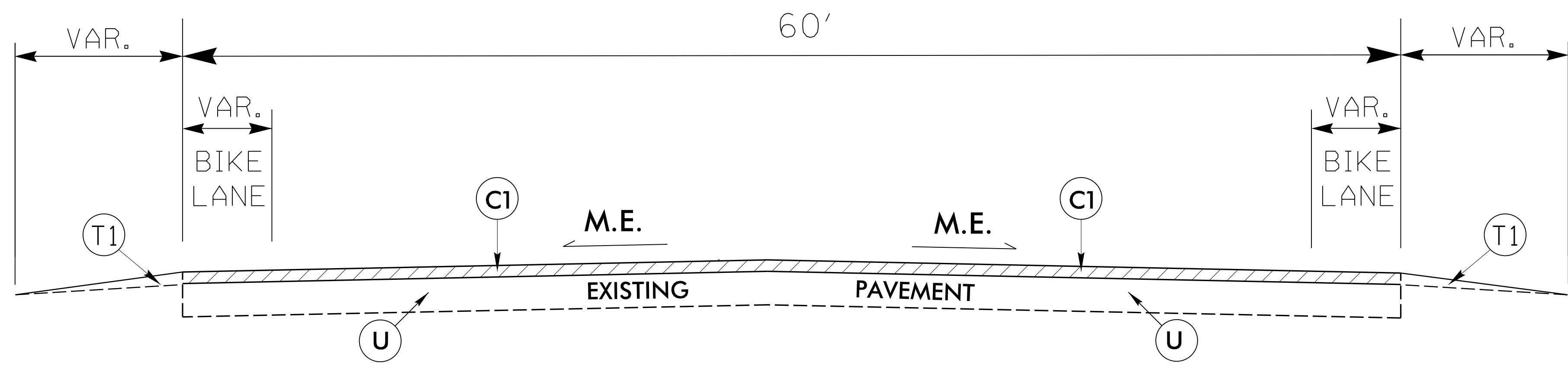
PAVEMENT EDGE SLOPES ARE 1:1, EXCEPT FINAL SURFACE COURSE. SEE SHOULDER WEDGE DETAIL.

SR	Road Name	Average Lane Width (LF)
NC 133	CASTLE HAYNE RD	12

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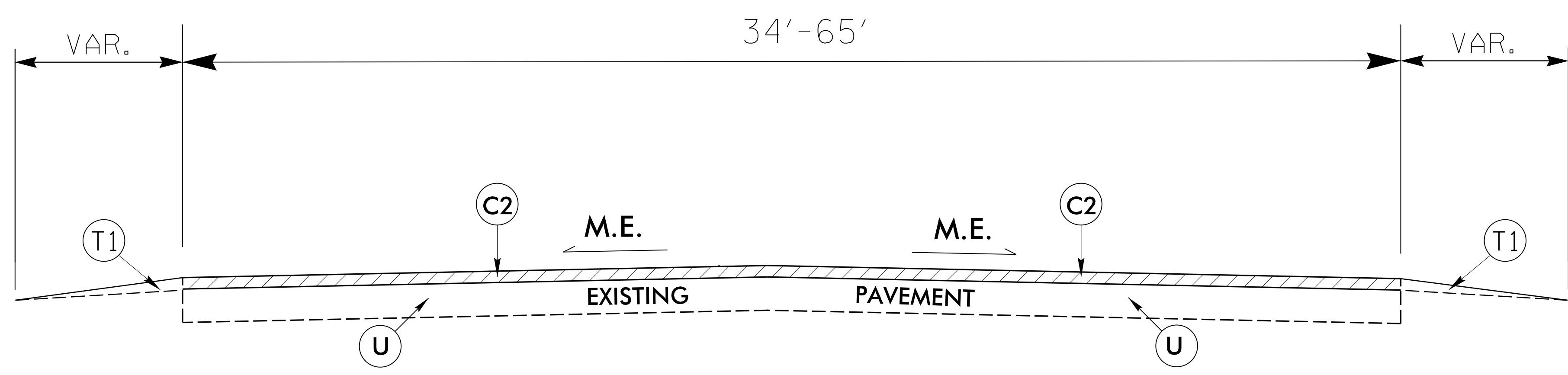
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TYPICAL SECTION NO. 3

MAP NO. 7  
SR-2782 / WRIGHTSVILLE AVE  
MP 0.00 - MP 0.87



TYPICAL SECTION NO. 4

MAP NO. 2  
SR 1322 / BAVARIAN LN  
MP 2.45 - MP 2.89

**PAVEMENT SCHEDULE**

C1	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
C2	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
C3	PROP. APPROX. 1¼" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ.YD.
E1	PROP. APPROX. 5" DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ.YD.
R1	EXISTING MONOLITHIC ISLAND
R2	EXISTING 8" X 6" CONCRETE CURB
R3	EXISTING 2'-6" CURB & GUTTER
R4	EXISTING VALLEY GUTTER
T1	EARTH MATERIAL SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	VARIABLE MILLING 0" TO 1.5" DEPTH
V2	VARIABLE MILLING 0" TO 1.25" DEPTH

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

SHOULDER WORK ON MAPS NO. 2, AND 7 AS NEEDED, TO BE DETERMINED BY ENGINEER.

THE CONTRACTOR SHALL RETAIN EXISTING LANE WIDTHS AND REINSTALL MARKINGS AT SAME LOCATIONS.

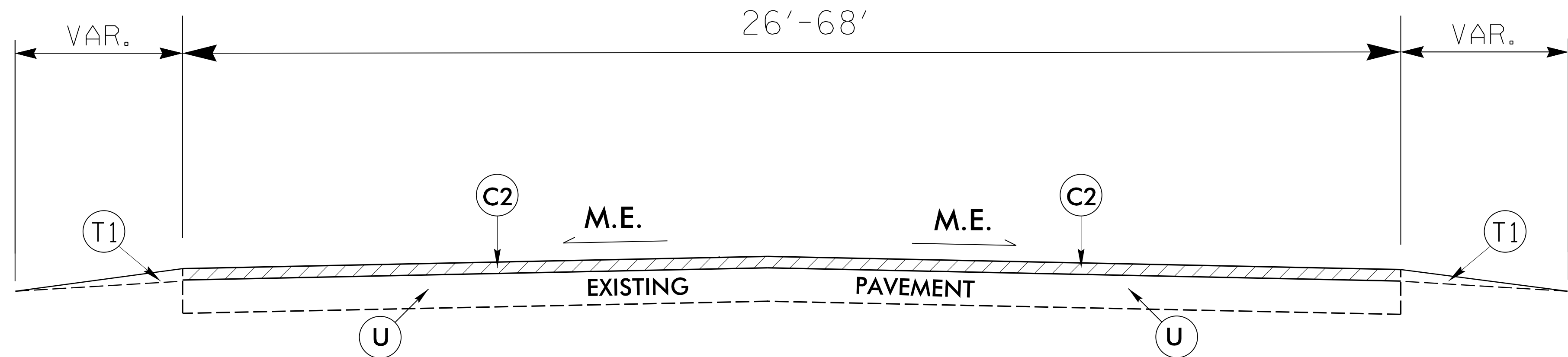
PAVEMENT EDGE SLOPES ARE 1:1, EXCEPT FINAL SURFACE COURSE. SEE SHOULDER WEDGE DETAIL.

SR	Road Name	Average Lane Width (LF)
SR 1322	BAVARIAN LN	11
SR 2782	WRIGHTSVILLE AVE	12

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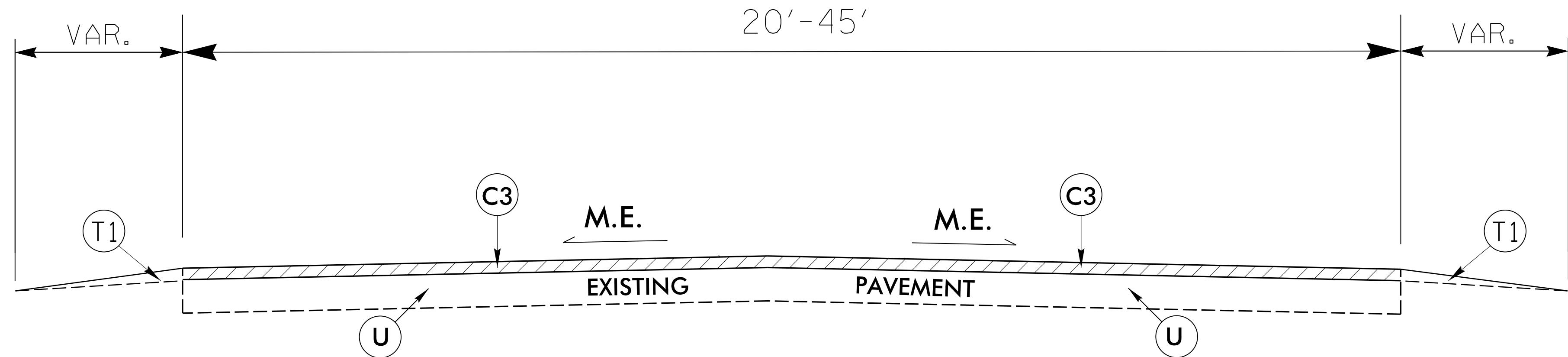
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**TYPICAL SECTION NO. 5**

MAP NO. 3  
SR 1322 / MURRAYVILLE RD  
MP 2.89 - MP 4.79



**TYPICAL SECTION NO. 6**

MAP NO. 4  
SR-2617 / RED HAWK RD  
MP 0.00 - MP 0.15

MAP NO. 6  
SR-2290 / MENDENHALL DR  
MP 0.00 - MP 0.49

MAP NO. 5  
SR-2117 / HARRIS RD / SHENANDOAH ST  
MP 0.12 MP 1.13

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
C2	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
C3	PROP. APPROX. 1¼" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ.YD.
E1	PROP. APPROX. 5" DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ.YD.
R1	EXISTING MONOLITHIC ISLAND
R2	EXISTING 8" X 6" CONCRETE CURB
R3	EXISTING 2'-6" CURB & GUTTER
R4	EXISTING VALLEY GUTTER
T1	EARTH MATERIAL SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	VARIABLE MILLING 0" TO 1.5" DEPTH
V2	VARIABLE MILLING 0" TO 1.25" DEPTH

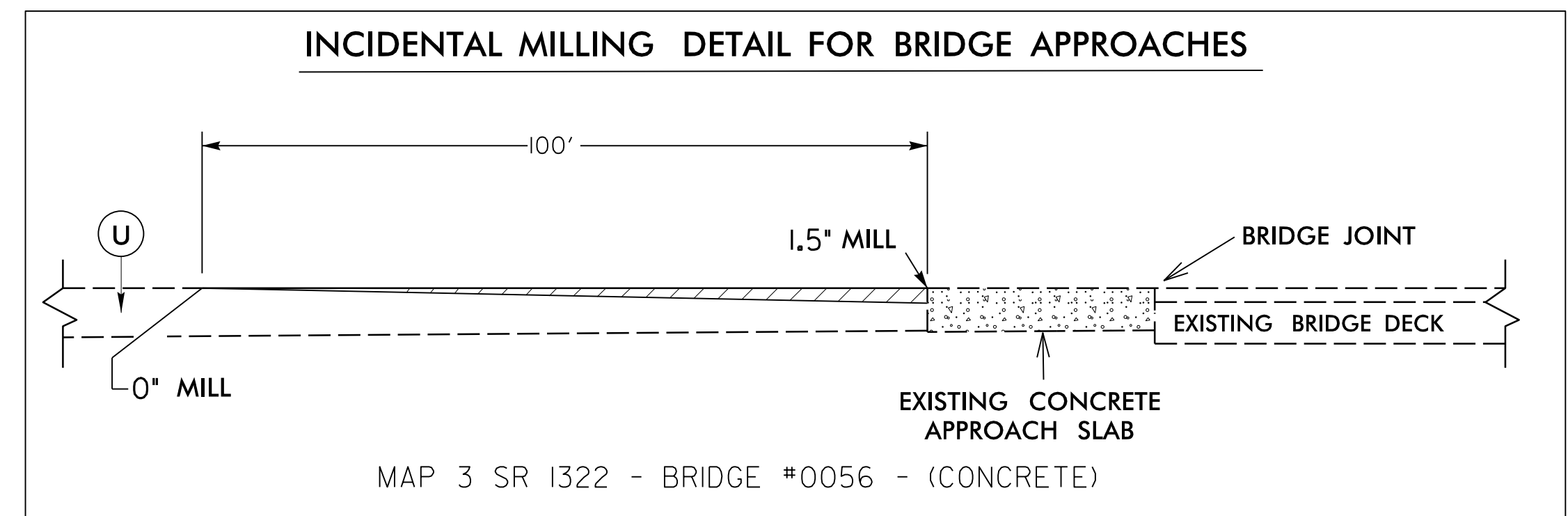
**NOTES:** MILL A SINGLE LANE AND PAVE BACK BY THE END OF EACH WORK DAY.

SHOULDER WORK ON MAPS NO. 3, 4, 5, AND 6 AS NEEDED, TO BE DETERMINED BY ENGINEER.

THE CONTRACTOR SHALL RETAIN EXISTING LANE WIDTHS AND REINSTALL MARKINGS AT SAME LOCATIONS.

NO GRINDING SHALL BE PERMITTED ON CONCRETE BRIDGE DECK FOR BRIDGE #0056

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

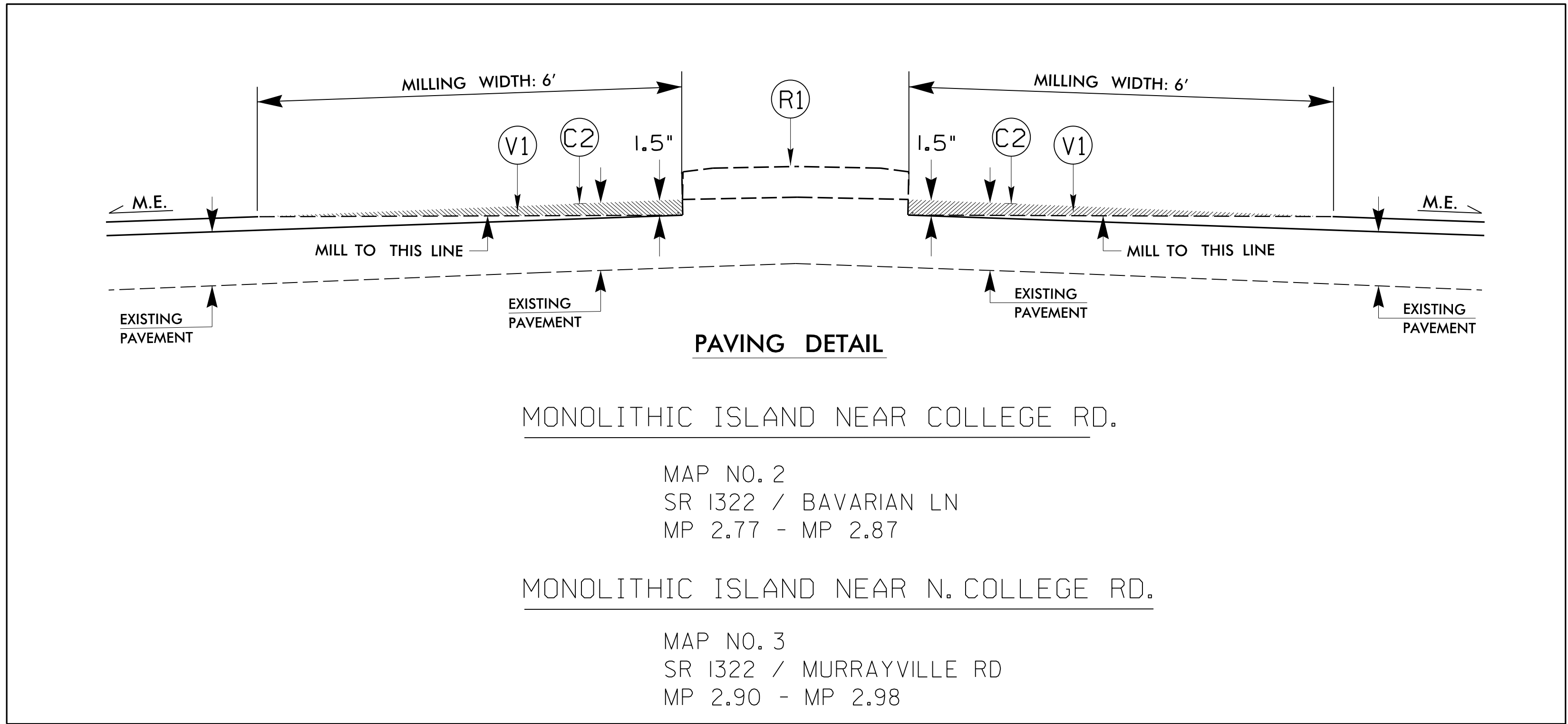


MAP 3 SR 1322 - BRIDGE #0056 - (CONCRETE)

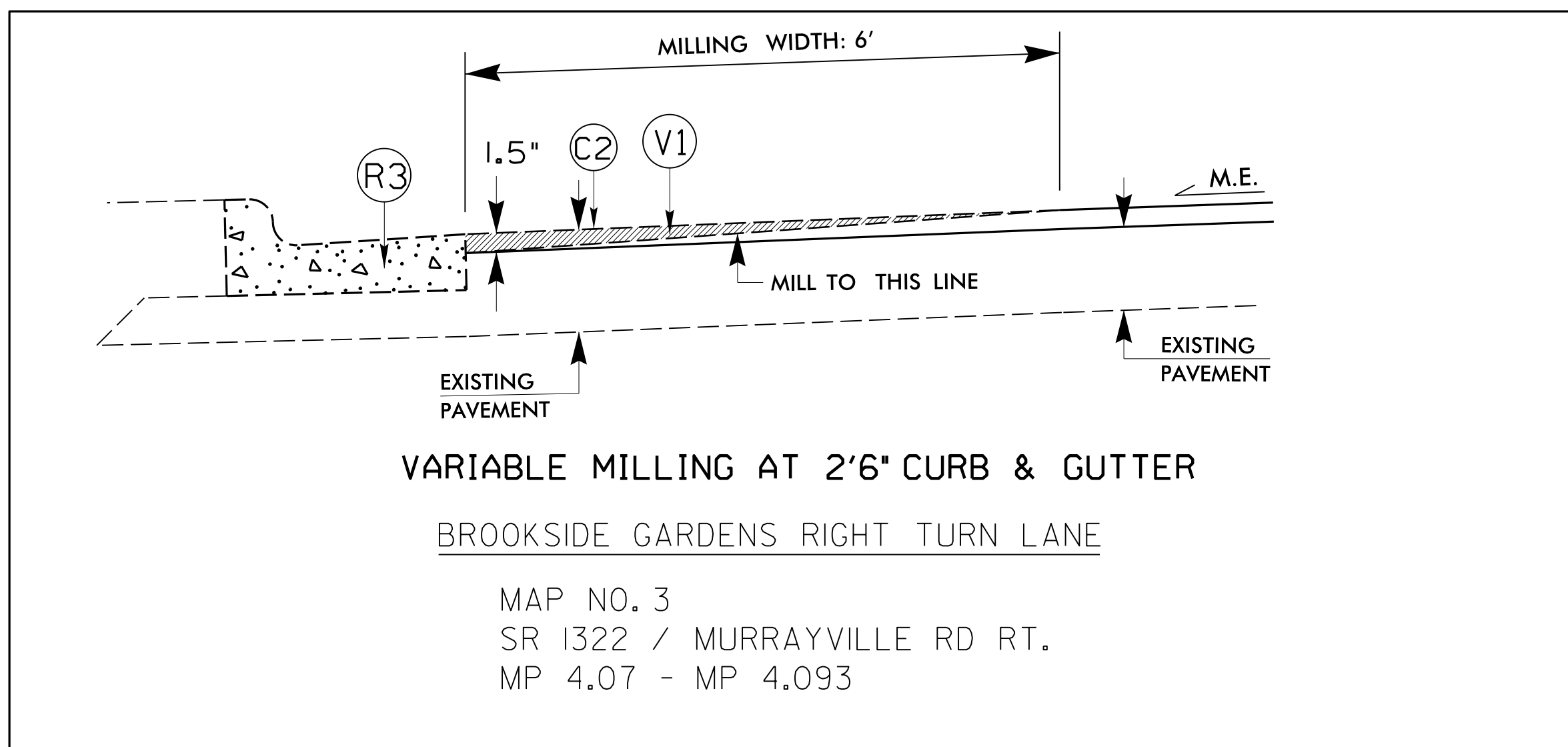
SR	Road Name	Average Lane Width (LF)
SR 1322	MURRAYVILLE RD	11
SR 2617	RED HAWK RD	10
SR 2290	MENDENHALL DR	12
SR 2117	HARRIS RD/ SHENANDOAH ST	9

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 11/3/2025  
 Project: New Hanover - Rej - typ - 1.dgn  
 User: RSKenneth





PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
C2	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
C3	PROP. APPROX. 1¼" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ.YD.
E1	PROP. APPROX. 5" DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ.YD.
R1	EXISTING MONOLITHIC ISLAND
R2	EXISTING 8" X 6" CONCRETE CURB
R3	EXISTING 2'-6" CURB & GUTTER
R4	EXISTING VALLEY GUTTER
T1	EARTH MATERIAL SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	VARIABLE MILLING 0" TO 1.5" DEPTH
V2	VARIABLE MILLING 0" TO 1.25" DEPTH

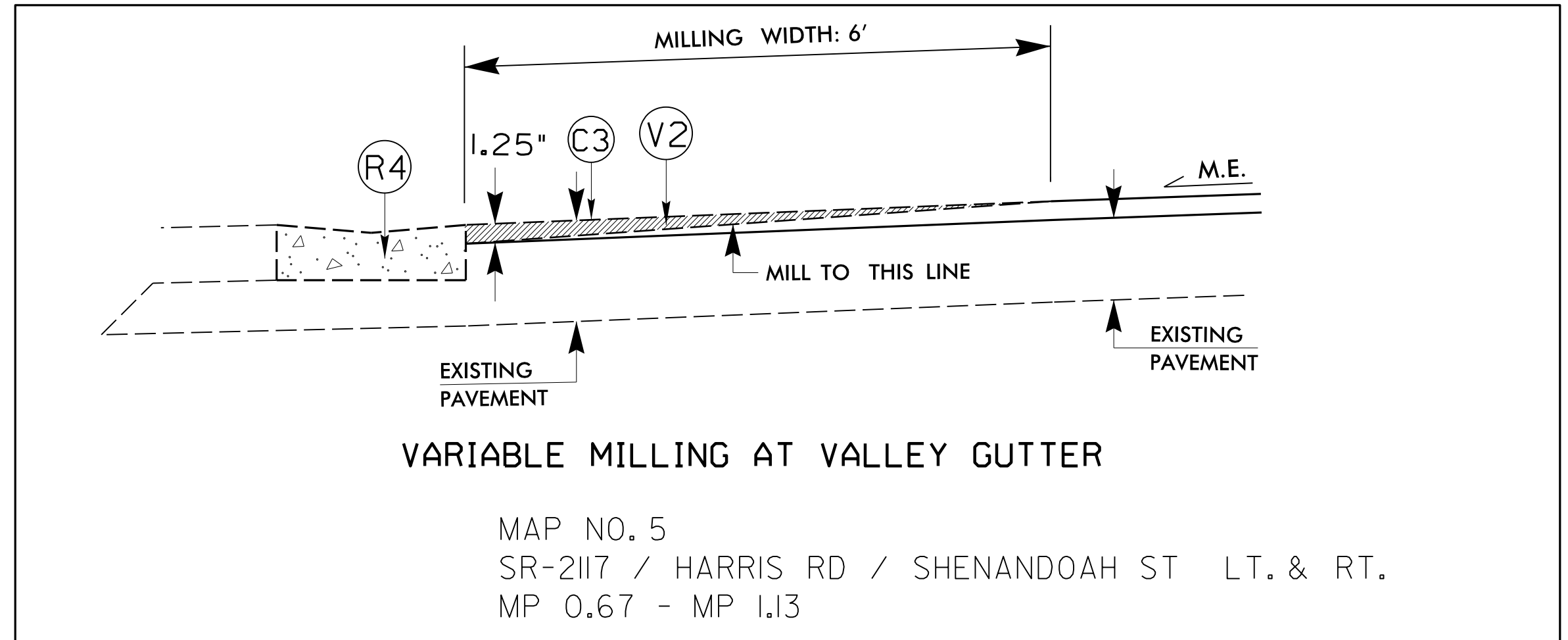
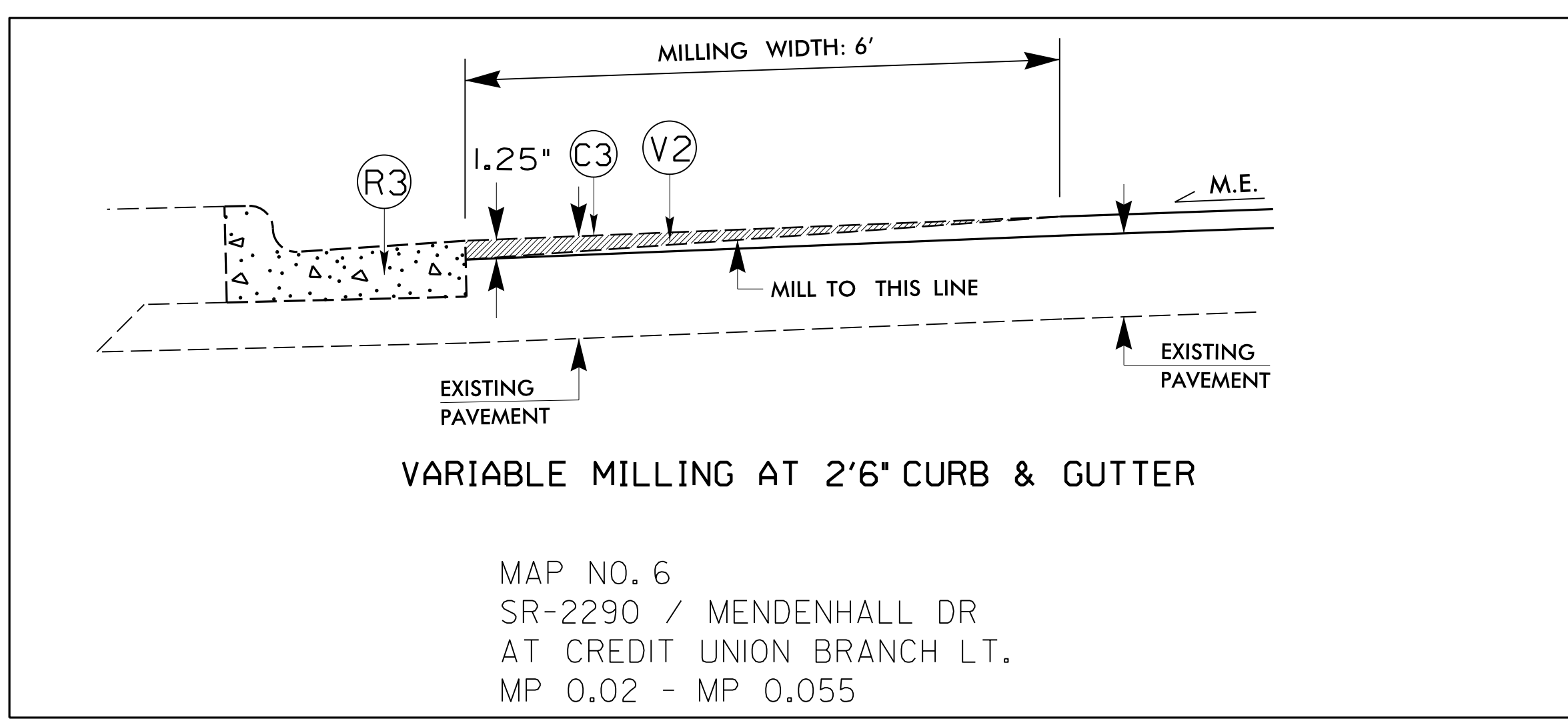


**RETROFIT DETECTABLE WARNING SURFACE**

Road Name/Location	Detectable Warnings	MP Location	Left/Right
Map 7-At Southerland & Wrightsville Avenues	9 SF	0.520	LT
Map 7-At Allen's Lane & Wrightsville Avenue	9 SF	0.570	RT
Map 7-At Burke Avenue & Wrightsville Avenue	9 SF	0.723	LT

**REMOVE AND REPLACE 24" VALLEY CURBING**

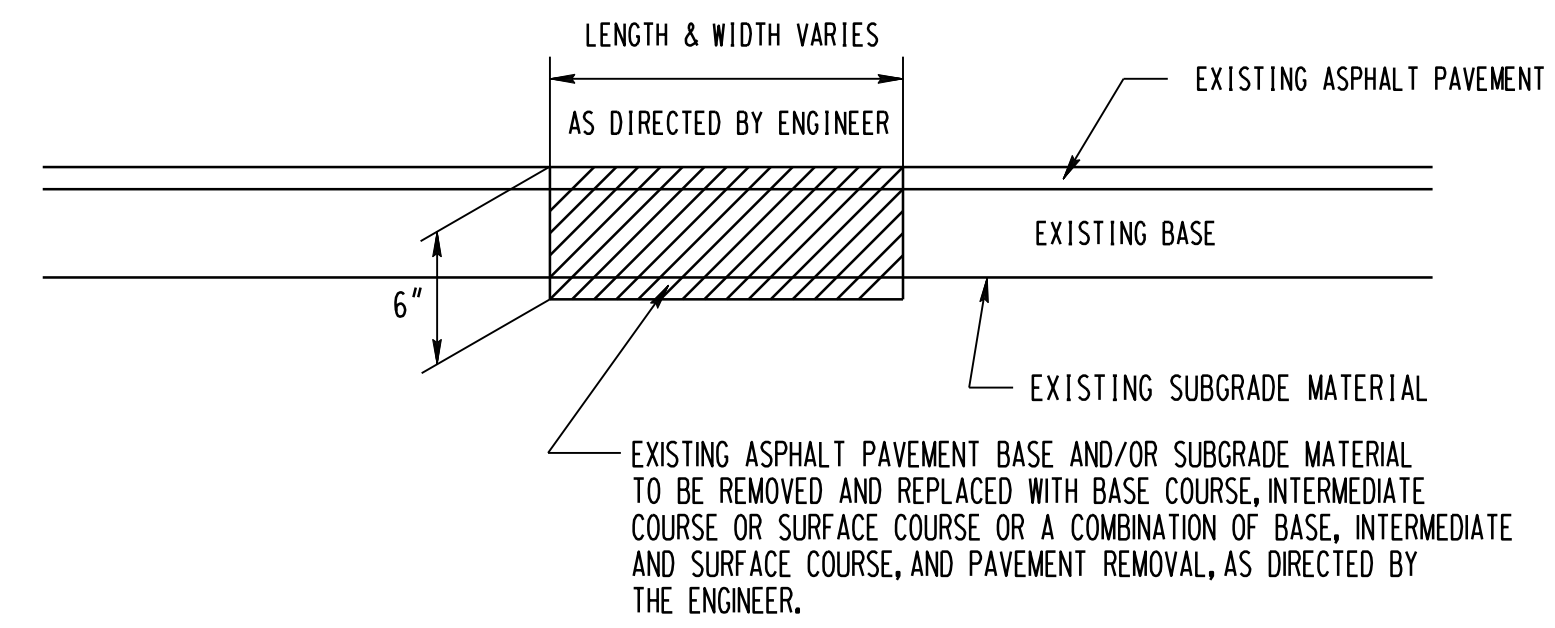
Road Name/Location	Quantity	MP Location	Left/Right
Map 5-Adjacent to a curb inlet on Shenandoah Street, SR 2117	12 LF	1.01	LT



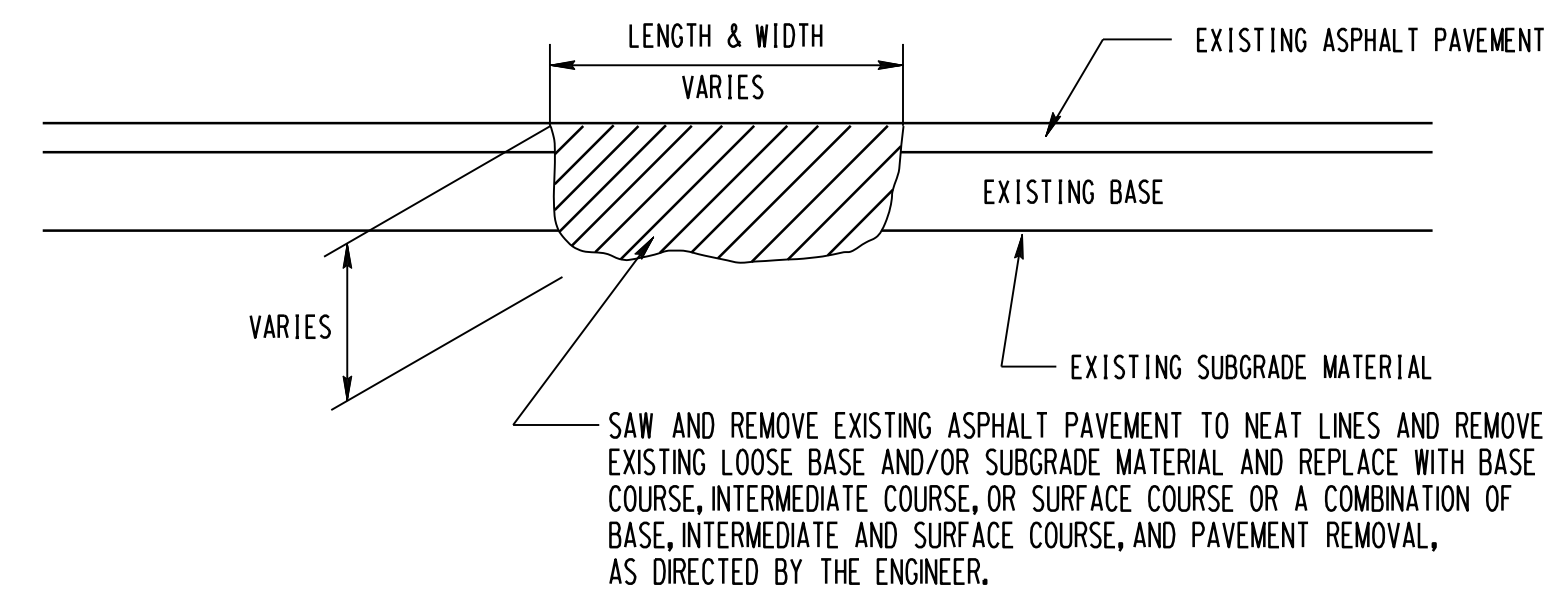
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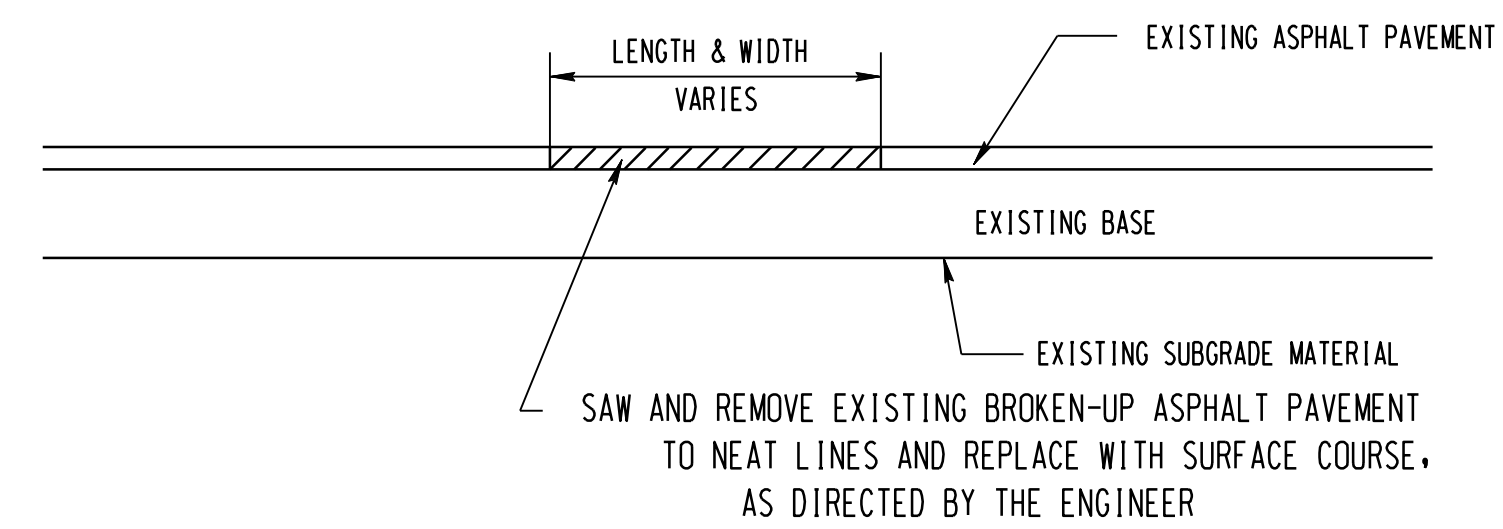
DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



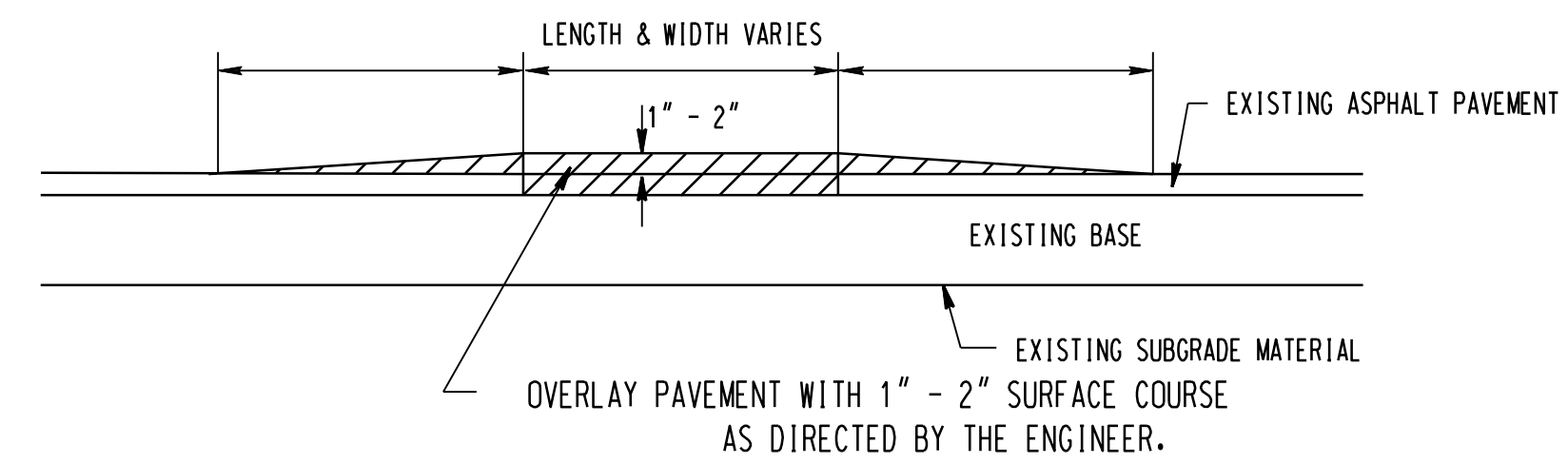
DETAIL NO. 1



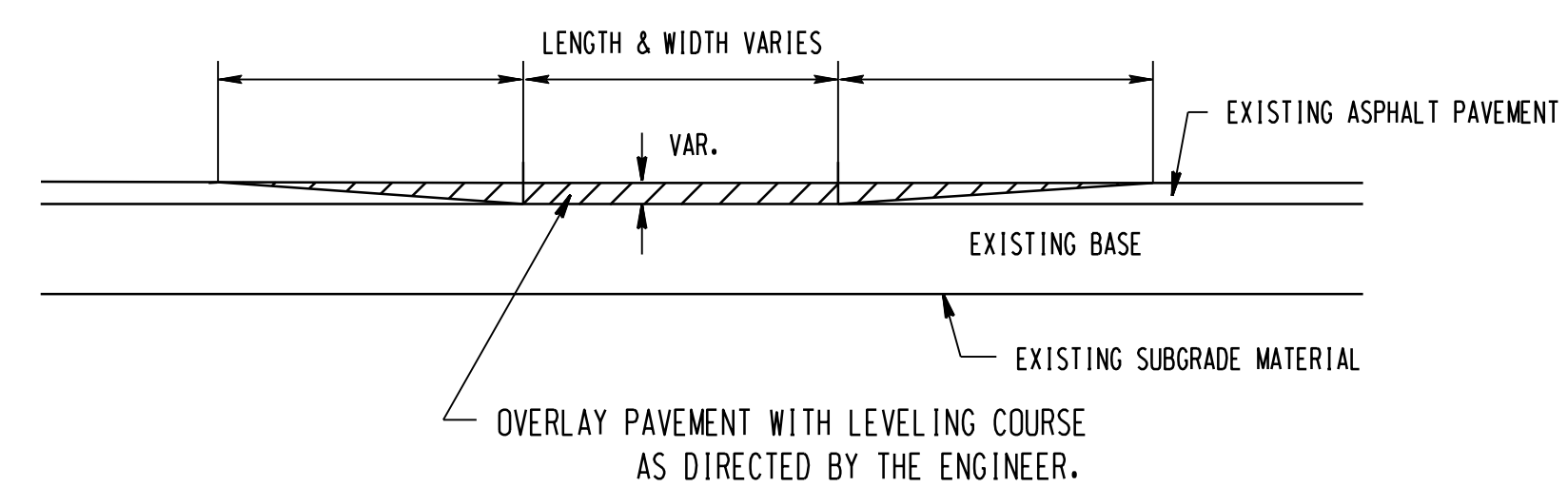
DETAIL NO. 2



DETAIL NO. 3



DETAIL NO. 4



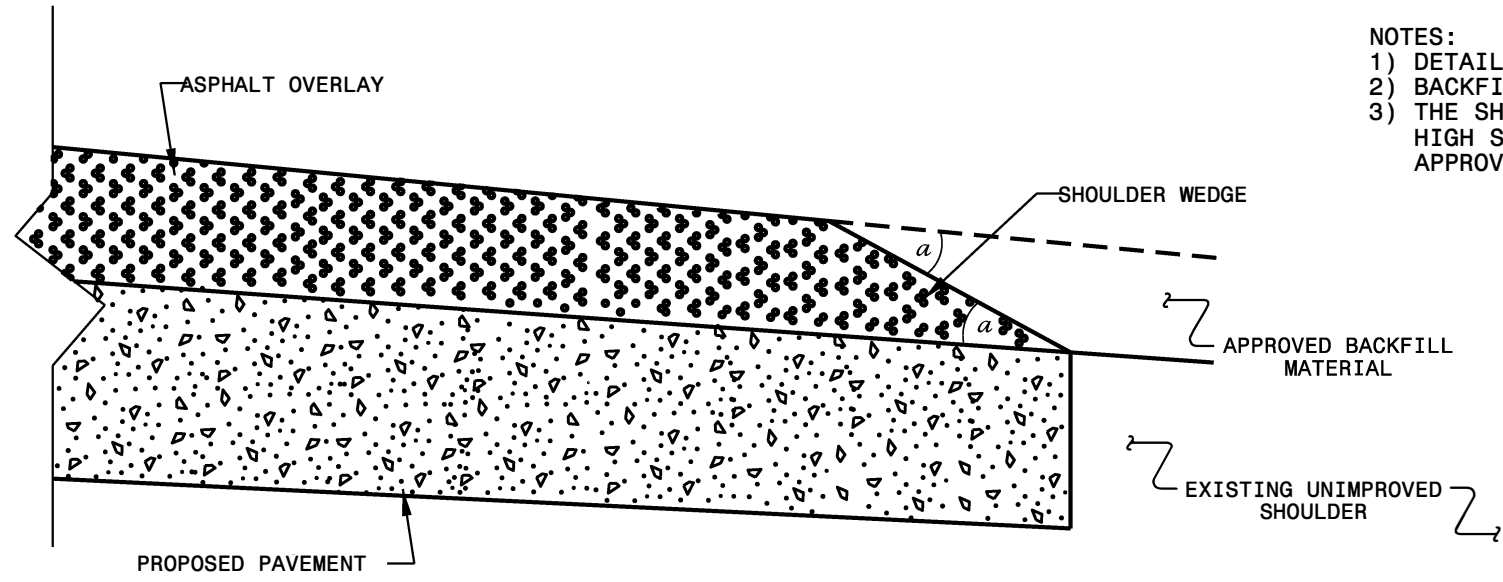
DETAIL NO. 5

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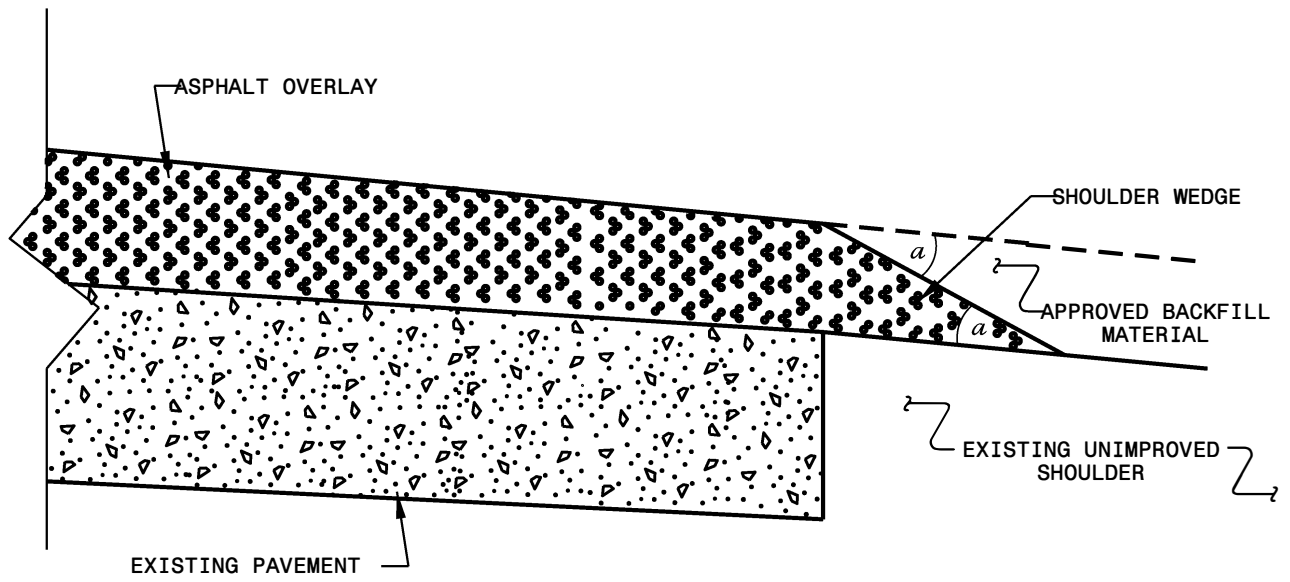
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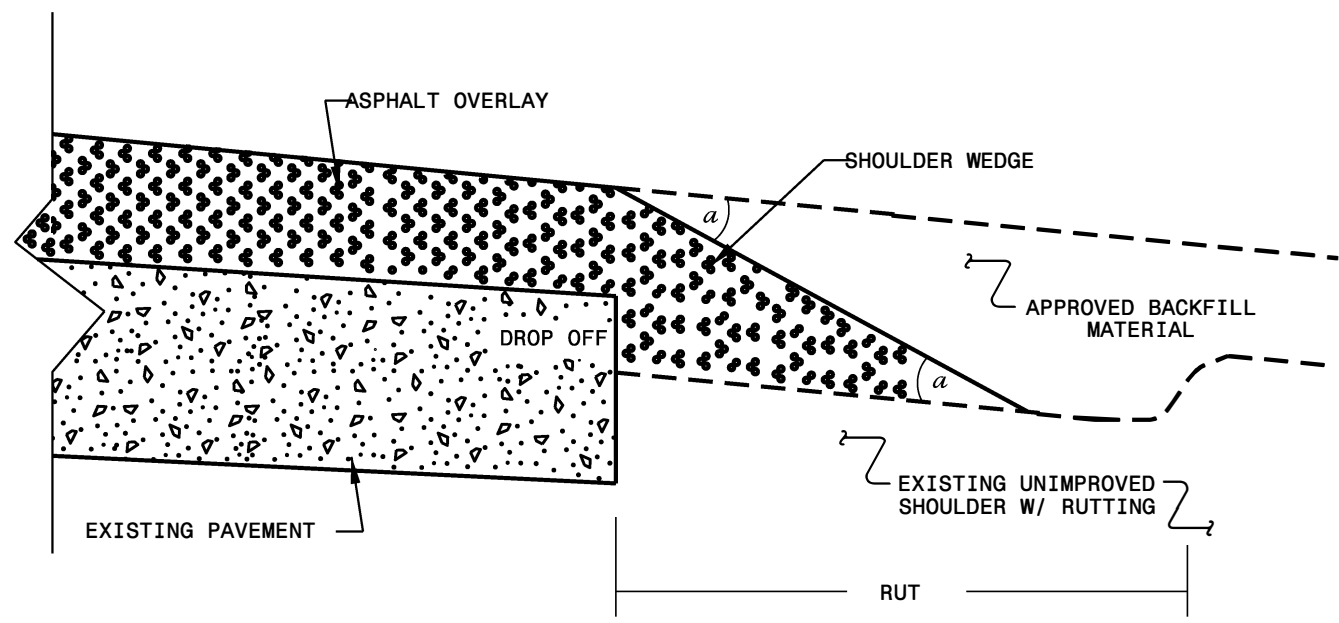
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFc AND ULTRA-THIN BONDED WEARING COURSE.
  - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
  - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



**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°

<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	

25 JAN 2018 09:41 P:\projects\Resurfacing Projects\Division 4\1-5937 Wilson March 2018\Revised Shoulder Wedge Detail.dgn

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

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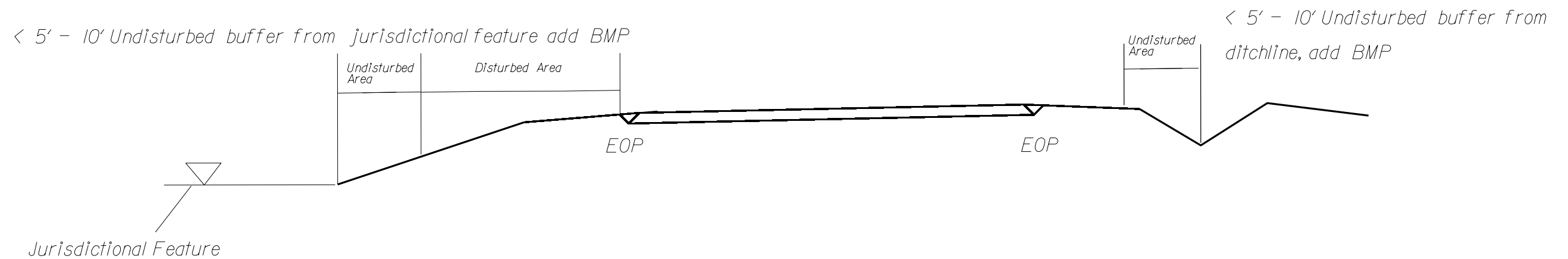
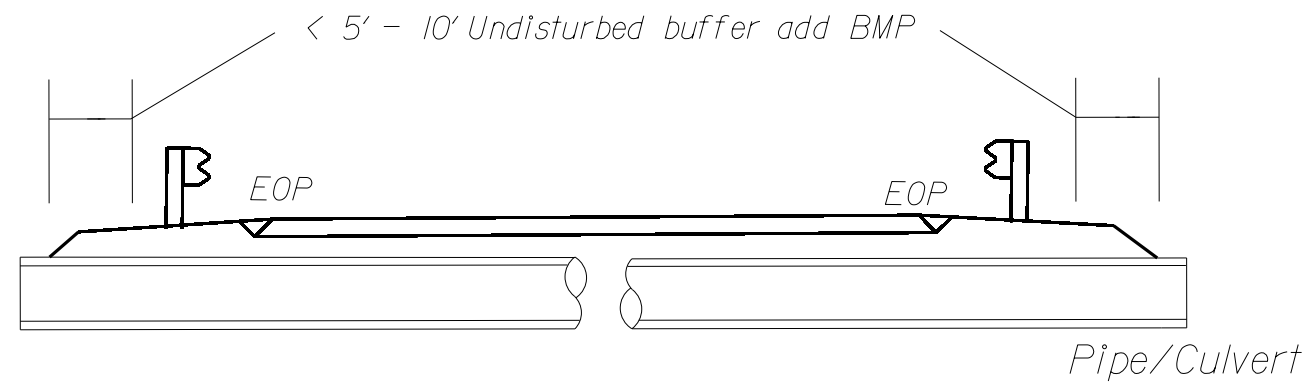
## ***SOIL STABILIZATION TIMEFRAMES***

<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.

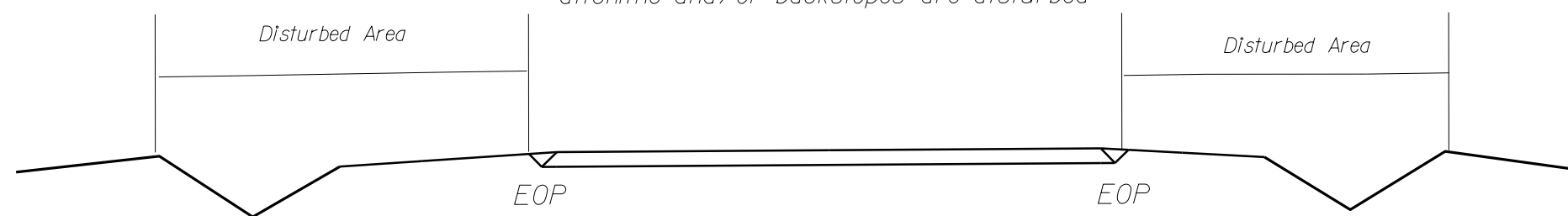
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

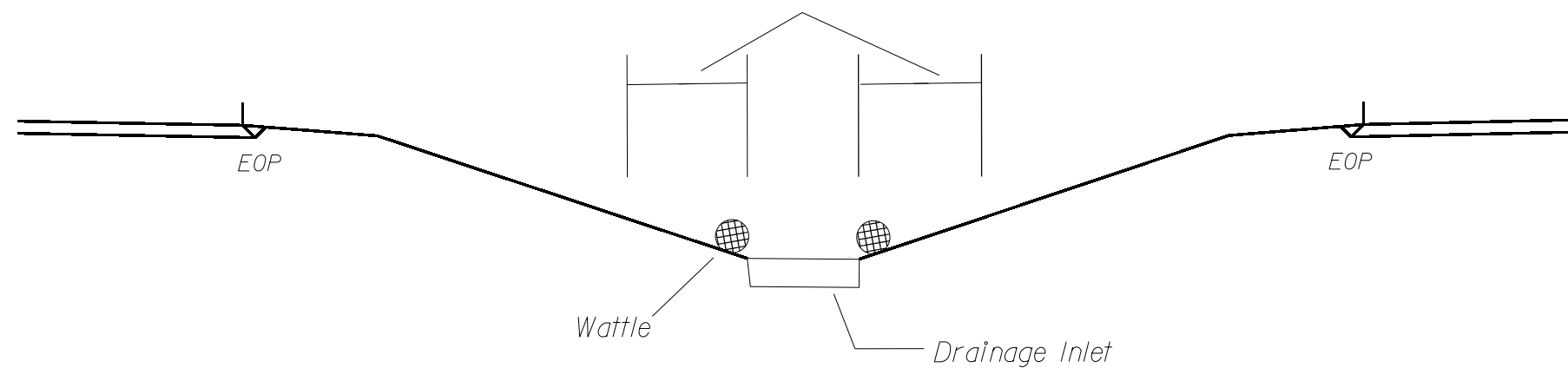
# EROSION CONTROL DETAIL



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

8/17/99

## SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	1220000000-E	1231000000-E	1245000000-E	1297000000-E	1308000000-E		1330000000-E	1491000000-E	1519000000-E	1520000000-E	1523000000-E	1524000000-E	1575000000-E	1705000000-E	1705500000-E		
											INCIDENTAL STONE BASE	SHOULDER BORROW	SHOULDER RECONSTRUCTION	1.5" MILLING	0" - 1.5" MILLING	0" - 1.25" MILLING	INCIDENTAL MILLING	BASE COURSE, B25.0C	SURFACE COURSE, S9.5B	LEVELING COURSE, S9.5B	SURFACE COURSE, S9.5C	LEVELING COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT (FULL DEPTH)	PATCHING EXISTING PAVEMENT (MILL)		
							MI	FT			TON	CY	SMI	SY	SY	SY	SY	TONS	TON	TON	TON	TON	TON	TON	TON		
2026CPT.03.03.10651	New Hanover	1	NC-133 CASTLE HAYNE RD				FROM 0.11 MI NORTH OF SR 1310 (DIVISION DR) TO SR 1332 (CHAIR RD) [MP 3.63 - MP 6.90]																				
<b>TOTAL FOR MAP NO. 1</b>							<b>3.27</b>	<b>24-69</b>	<b>3.63</b>	<b>6.9</b>	<b>180</b>	<b>400</b>	<b>6.54</b>	<b>6,630.00</b>	<b>570</b>		<b>4,284</b>	<b>281</b>			<b>6,857</b>	<b>20</b>	<b>566</b>		<b>2,997</b>		
<b>TOTAL FOR PROJ NO. 2026CPT.03.03.10651</b>							<b>3.27</b>				<b>180</b>	<b>400</b>	<b>6.54</b>	<b>6,630</b>	<b>570</b>		<b>4,284</b>	<b>281</b>			<b>6,857</b>	<b>20</b>	<b>566</b>		<b>2,997</b>		
2026CPT.03.03.20651	New Hanover	2	SR-1322 / BAVARIAN LN				FROM SR 1175 (N KERR AVE) TO US HWY 117 (N COLLEGE RD) [MP 2.45 - MP 2.89]																				
<b>TOTAL FOR MAP NO. 2</b>							<b>0.44</b>	<b>34-65</b>	<b>2.45</b>	<b>2.89</b>	<b>24</b>	<b>55</b>	<b>0.90</b>		<b>667</b>		<b>770</b>			<b>1,116</b>				<b>82</b>		<b>204</b>	
2026CPT.03.03.20651	New Hanover	3	SR-1322 / MURRAYVILLE RD				FROM US HWY 117 (N COLLEGE RD) TO 0.08 MI WEST OF SR 1361 (CLEWIS AVE) [MP 2.89 - MP 4.79]																				
<b>TOTAL FOR MAP NO. 3</b>							<b>1.9</b>	<b>26-68</b>	<b>2.89</b>	<b>4.79</b>	<b>62</b>	<b>232</b>	<b>3.79</b>		<b>584</b>		<b>1,271</b>			<b>2,938</b>	<b>5</b>			<b>217</b>	<b>81</b>	<b>450</b>	
2026CPT.03.03.20651	New Hanover	4	SR-2617 / RED HAWK RD				FROM SR 1322 (BAVARIAN LN) TO CUL-DE-SAC [MP 0.00 - MP 0.15]																				
<b>TOTAL FOR MAP NO. 4</b>							<b>0.15</b>	<b>20</b>	<b>0</b>	<b>0.15</b>		<b>14</b>	<b>0.27</b>				<b>56</b>			<b>175</b>				<b>12</b>		<b>15</b>	
2026CPT.03.03.20651	New Hanover	5	SR-2117 / HARRIS RD / SHENANDOAH ST				FROM HALFWAY BETWEEN SR 2114 (CANTWELL RD) AND SR 2115 (IVANHOE RD) TO SR 2633 (SHIRE LN) [MP 0.12 - MP 1.13]																				
<b>TOTAL FOR MAP NO. 5</b>							<b>1.01</b>	<b>25-32</b>	<b>0.12</b>	<b>1.13</b>	<b>26</b>	<b>68</b>	<b>1.12</b>		<b>3,239</b>		<b>2,030</b>			<b>1,612</b>	<b>5</b>			<b>124</b>		<b>398</b>	
2026CPT.03.03.20651	New Hanover	6	SR-2290 / MENDENHALL DR				FROM US HWY 17 (MARKET ST) TO END MAINTENANCE [MP 0.00 - MP 0.49]																				
<b>TOTAL FOR MAP NO. 6</b>							<b>0.49</b>	<b>20-45</b>	<b>0</b>	<b>0.49</b>	<b>12</b>	<b>20</b>	<b>0.40</b>				<b>111</b>	<b>111</b>			<b>572</b>	<b>5</b>			<b>42</b>		<b>104</b>
2026CPT.03.03.20651	New Hanover	7	SR-2782 / WRIGHTSVILLE AVE				FROM US HWY 76 (MILITARY CUTOFF RD) TO US HWY 74/76 (EASTWOOD RD) [MP 0.00 - MP 0.87]																				
<b>TOTAL FOR MAP NO. 7</b>							<b>0.87</b>	<b>60</b>	<b>0</b>	<b>0.87</b>	<b>6</b>	<b>122</b>	<b>0.74</b>		<b>3,684</b>		<b>375</b>					<b>2,260</b>	<b>25</b>		<b>173</b>		<b>799</b>
<b>TOTAL FOR PROJ NO. 2026CPT.03.03.20651</b>							<b>4.86</b>				<b>130</b>	<b>511</b>	<b>7.22</b>		<b>8,174</b>	<b>111</b>	<b>4,613</b>			<b>6,413</b>	<b>15</b>		<b>2,260</b>	<b>25</b>	<b>650</b>	<b>81</b>	<b>1,970</b>
<b>GRAND TOTAL</b>							<b>8.13</b>				<b>310</b>	<b>911</b>	<b>13.76</b>		<b>6,630</b>	<b>8,744</b>	<b>111</b>	<b>8,897</b>	<b>281</b>	<b>6,413</b>	<b>15</b>	<b>9,117</b>	<b>45</b>	<b>1,216</b>	<b>81</b>	<b>4,967</b>	

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### SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	6009000000-E	6012000000-E	6015000000-E	6018000000-E	6021000000-E	6036000000-E	6042000000-E	6071010000-E	6084000000-E	6090000000-E	6093000000-E	6117000000-N	7444000000-E	
											STONE FOR EC CLASS B	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	INDUCTIVE LOOP SAWCUT	
							MI	FT			TON	TON	ACR	LBS	TON	SY	LF	LF	AC	LB	TON	EA	LF	
2026CPT.03.03.10651	New Hanover	1	NC-133 CASTLE HAYNE RD			2WU	3.27	24-69	3.63	6.9	80	80	3.25	165	0.80	20	165	50	3.20	165	0.80	7	2,400	
<b>TOTAL FOR MAP NO. 1</b>							<b>3.27</b>				<b>80</b>	<b>80</b>	<b>3.25</b>	<b>165</b>	<b>0.80</b>	<b>20</b>	<b>165</b>	<b>50</b>	<b>3.20</b>	<b>165</b>	<b>0.80</b>	<b>7</b>	<b>2,400</b>	
<b>TOTAL FOR PROJ NO. 2026CPT.03.03.10651</b>							<b>3.27</b>				<b>80</b>	<b>80</b>	<b>3.25</b>	<b>165</b>	<b>0.80</b>	<b>20</b>	<b>165</b>	<b>50</b>	<b>3.20</b>	<b>165</b>	<b>0.80</b>	<b>7</b>	<b>2,400</b>	
2026CPT.03.03.20651	New Hanover	2	SR-1322 / BAVARIAN LN			2WU	0.44	34-65	2.45	2.89	10	10	0.45	25	0.10	10	25	10	0.45	25	0.10	2	500	
<b>TOTAL FOR MAP NO. 2</b>							<b>0.44</b>				<b>10</b>	<b>10</b>	<b>0.45</b>	<b>25</b>	<b>0.10</b>	<b>10</b>	<b>25</b>	<b>10</b>	<b>0.45</b>	<b>25</b>	<b>0.10</b>	<b>2</b>	<b>500</b>	
2026CPT.03.03.20651	New Hanover	3	SR-1322 / MURRAYVILLE RD			2WU	1.9	26-68	2.89	4.79	50	50	1.90	95	0.50	20	95	30	1.85	95	0.50	8	1,750	
<b>TOTAL FOR MAP NO. 3</b>							<b>1.9</b>				<b>50</b>	<b>50</b>	<b>1.90</b>	<b>95</b>	<b>0.50</b>	<b>20</b>	<b>95</b>	<b>30</b>	<b>1.85</b>	<b>95</b>	<b>0.50</b>	<b>8</b>	<b>1,750</b>	
2026CPT.03.03.20651	New Hanover	4	SR-2617 / RED HAWK RD			2WU	0.15	20	0	0.15	5	5	0.15	5	0.05	10	5	10	0.15	5	0.05	2		
<b>TOTAL FOR MAP NO. 4</b>							<b>0.15</b>				<b>5</b>	<b>5</b>	<b>0.15</b>	<b>5</b>	<b>0.05</b>	<b>10</b>	<b>5</b>	<b>10</b>	<b>0.15</b>	<b>5</b>	<b>0.05</b>	<b>2</b>		
2026CPT.03.03.20651	New Hanover	5	SR-2117 / HARRIS RD / SHENANDOAH ST			2WU	1.01	25-32	0.12	1.13	25	25	1.00	50	0.25	10	50	20	1.00	50	0.25	2		
<b>TOTAL FOR MAP NO. 5</b>							<b>1.01</b>				<b>25</b>	<b>25</b>	<b>1.00</b>	<b>50</b>	<b>0.25</b>	<b>10</b>	<b>50</b>	<b>20</b>	<b>1.00</b>	<b>50</b>	<b>0.25</b>	<b>2</b>		
2026CPT.03.03.20651	New Hanover	6	SR-2290 / MENDENHALL DR			2WU	0.49	20-45	0	0.49	5	5	0.20	10	0.05	10	10	10	0.20	10	0.05	2	1,000	
<b>TOTAL FOR MAP NO. 6</b>							<b>0.49</b>				<b>5</b>	<b>5</b>	<b>0.20</b>	<b>10</b>	<b>0.05</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.20</b>	<b>10</b>	<b>0.05</b>	<b>2</b>	<b>1,000</b>
2026CPT.03.03.20651	New Hanover	7	SR-2782 / WRIGHTSVILLE AVE			2WU	0.87	60	0	0.87	10	10	0.35	20	0.10	10	20	10	0.35	20	0.10	2	2,475	
<b>TOTAL FOR MAP NO. 7</b>							<b>0.87</b>				<b>10</b>	<b>10</b>	<b>0.35</b>	<b>20</b>	<b>0.10</b>	<b>10</b>	<b>20</b>	<b>10</b>	<b>0.35</b>	<b>20</b>	<b>0.10</b>	<b>2</b>	<b>2,475</b>	
<b>TOTAL FOR PROJ NO. 2026CPT.03.03.20651</b>							<b>4.86</b>				<b>105</b>	<b>105</b>	<b>4.05</b>	<b>205</b>	<b>1.05</b>	<b>70</b>	<b>205</b>	<b>90</b>	<b>4.00</b>	<b>205</b>	<b>1.05</b>	<b>18</b>	<b>5,725</b>	
<b>GRAND TOTAL</b>							<b>8.13</b>				<b>185</b>	<b>185</b>	<b>7.30</b>	<b>370</b>	<b>1.85</b>	<b>90</b>	<b>370</b>	<b>140</b>	<b>7.20</b>	<b>370</b>	<b>1.85</b>	<b>25</b>	<b>8,125</b>	

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### THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4025000000-E CONTRACTOR FURNISHED, TYPE E SIGN	4072000000-E SUPPORTS, 3-LB STEEL U-CHANNEL	4102000000-N SIGN ERECTION, TYPE E	4413000000-E WORK ZONE ADVANCE/GENERAL WARNING SIGNING	4457000000-N TEMPORARY TRAFFIC CONTROL	4510000000-N LAW ENFORCEMENT	4685000000-E		4688000000-E		4695000000-E			
								MI	FT			SF	LF	EA	SF	LS	HR	4" X 90 M YELLOW THERMO	4" X 90 M WHITE THERMO	6" X 90 M YELLOW THERMO	6" X 90 M WHITE THERMO	8" X 90 M YELLOW THERMO	8" X 90 M WHITE THERMO		
2026CPT.03.03.10651	New Hanover	1	NC-133 CASTLE HAYNE RD	FROM 0.11 MI NORTH OF SR 1310 (DIVISION DR) TO SR 1332 (CHAIR RD) [MP 3.63 - MP 6.90]	1,2	2	2WU	3.27	24-69	3.63	6.9	13	27	2	368	0.43	120			46,771	40,302	217	103		
<b>TOTAL FOR MAP NO. 1</b>								<b>3.27</b>				<b>13</b>	<b>27</b>	<b>2</b>	<b>368</b>	<b>0.43</b>	<b>120</b>			<b>46,771</b>	<b>40,302</b>	<b>217</b>	<b>103</b>		
<b>TOTAL FOR PROJ NO. 2026CPT.03.03.10651</b>								<b>3.27</b>				<b>13</b>	<b>27</b>	<b>2</b>	<b>368</b>	<b>0.43</b>	<b>120</b>					<b>46,771</b>	<b>40,302</b>	<b>217</b>	<b>103</b>
																			<b>87,073</b>		<b>320</b>				
2026CPT.03.03.20651	New Hanover	2	SR-1322 / BAVARIAN LN	FROM SR 1175 (N KERR AVE) TO US HWY 117 (N COLLEGE RD) [MP 2.45 - MP 2.89]	4	2	2WU	0.44	34-65	2.45	2.89				64	0.05	80	5,590	6,081			173	164		
<b>TOTAL FOR MAP NO. 2</b>								<b>0.44</b>						<b>64</b>	<b>0.05</b>	<b>80</b>	<b>5,590</b>	<b>6,081</b>					<b>173</b>	<b>164</b>	
2026CPT.03.03.20651	New Hanover	3	SR-1322 / MURRAYVILLE RD	FROM US HWY 117 (N COLLEGE RD) TO 0.08 MI WEST OF SR 1361 (CLEWIS AVE) [MP 2.89 - MP 4.79]	5	2	2WU	1.9	26-68	2.89	4.79				224	0.22	40			24,388	22,047	470	47		
<b>TOTAL FOR MAP NO. 3</b>								<b>1.9</b>						<b>224</b>	<b>0.22</b>	<b>40</b>			<b>24,388</b>	<b>22,047</b>	<b>470</b>	<b>47</b>			
2026CPT.03.03.20651	New Hanover	4	SR-2617 / RED HAWK RD	FROM SR 1322 (BAVARIAN LN) TO CUL DE-SAC [MP 0.00 - MP 0.15]	6	2	2WU	0.15	20	0	0.15					0.02									
<b>TOTAL FOR MAP NO. 4</b>								<b>0.15</b>								<b>0.02</b>									
2026CPT.03.03.20651	New Hanover	5	SR-2117 / HARRIS RD / SHENANDOAH ST	FROM HALFWAY BETWEEN SR 2114 (CANTWELL RD) AND SR 2115 (IVANHOE RD) TO SR 2633 (SHIRE LN) [MP 0.12 - MP 1.13]	6	2	2WU	1.01	25-32	0.12	1.13					0.12		11,798	7,032						
<b>TOTAL FOR MAP NO. 5</b>								<b>1.01</b>								<b>0.12</b>		<b>11,798</b>	<b>7,032</b>						
2026CPT.03.03.20651	New Hanover	6	SR-2290 / MENDENHALL DR	FROM US HWY 17 (MARKET ST) TO END MAINTENANCE (MP 0.00 - MP 0.49)	6	2	2WU	0.49	20-45	0	0.49					0.06	40			68					
<b>TOTAL FOR MAP NO. 6</b>								<b>0.49</b>								<b>0.06</b>	<b>40</b>		<b>68</b>						
2026CPT.03.03.20651	New Hanover	7	SR-2782 / WRIGHTSVILLE AVE	FROM US HWY 76 (MILITARY CUTOFF RD) TO US HWY 74/76 (EASTWOOD RD) [MP 0.00 - MP 0.87]	3	2	2WU	0.87	60	0	0.87				112	0.10				11,647	8,816	90	100		
<b>TOTAL FOR MAP NO. 7</b>								<b>0.87</b>							<b>112</b>	<b>0.102</b>		<b>11,647</b>	<b>8,816</b>	<b>90</b>	<b>100</b>				
<b>TOTAL FOR PROJ NO. 2026CPT.03.03.20651</b>								<b>4.86</b>							<b>400</b>	<b>0.567</b>	<b>160</b>	<b>17,388</b>	<b>13,181</b>	<b>36,035</b>	<b>30,863</b>	<b>733</b>	<b>311</b>		
																			<b>30,569</b>		<b>66,898</b>		<b>1,044</b>		
<b>GRAND TOTAL</b>								<b>8.13</b>						<b>13</b>	<b>27</b>	<b>2</b>	<b>768</b>	<b>1.000</b>	<b>280</b>	<b>17,388</b>	<b>13,181</b>	<b>82,806</b>	<b>71,165</b>	<b>950</b>	<b>414</b>
																			<b>30,569</b>		<b>153,971</b>		<b>1,364</b>		

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### THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	470000000-E		470900000-E		472000000-E			472500000-E								
												12" X 90 M YELLOW THERMO	12" X 90 M WHITE THERMO	THERMOPLASTIC PAVEMENT MARKING LINES (24" X 90 MILS)	THERMO MSG SCHOOL (90 MIL)	THERMO MSG ONLY (90 MIL)	THERMO STR ARROW (90 MIL)	THERMO LT ARROW (90 MIL)	THERMO RT ARROW (90 MIL)	THERMO STR & RT ARROW (90 MIL)	THERMO STR & LT ARROW (90 MIL)	MERGE ARROW (90 MIL)	24" YIELD LINE TRIANGLE (90 MIL)				
												MI	FT	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
2026CPT.03.03.10651	New Hanover	1	NC-133 CASTLE HAYNE RD	FROM 0.11 MI NORTH OF SR 1310 (DIVISION DR) TO SR 1332 (CHAIR RD) [MP 3.63 - MP 6.90]	1, 2	2	2WU	3.27	24-69	3.63	6.9	839	124	414	12	8	15	67	21	6	2	6					
<b>TOTAL FOR MAP NO. 1</b>								<b>3.27</b>				<b>839</b>	<b>124</b>	<b>414</b>	<b>12</b>	<b>8</b>	<b>15</b>	<b>67</b>	<b>21</b>	<b>6</b>	<b>2</b>	<b>6</b>					
<b>TOTAL FOR PROJ NO. 2026CPT.03.03.10651</b>								<b>3.27</b>				<b>839</b>	<b>124</b>	<b>414</b>	<b>12</b>	<b>8</b>	<b>15</b>	<b>67</b>	<b>21</b>	<b>6</b>	<b>2</b>	<b>6</b>					
												<b>963</b>		<b>20</b>	<b>117</b>												
2026CPT.03.03.20651	New Hanover	2	SR-1322 / BAVARIAN LN	FROM SR 1175 (N KERR AVE) TO US HWY 117 (N COLLEGE RD) [MP 2.45 - MP 2.89]	4	2	2WU	0.44	34-65	2.45	2.89			169	8	7	16	8									
<b>TOTAL FOR MAP NO. 2</b>								<b>0.44</b>						<b>169</b>	<b>8</b>	<b>7</b>	<b>16</b>	<b>8</b>									
2026CPT.03.03.20651	New Hanover	3	SR-1322 / MURRAYVILLE RD	FROM US HWY 117 (N COLLEGE RD) TO 0.08 MI WEST OF SR 1361 (CLEWIS AVE) [MP 2.89 - MP 4.79]	5	2	2WU	1.9	26-68	2.89	4.79			122	12	3	11	5				4					
<b>TOTAL FOR MAP NO. 3</b>								<b>1.9</b>						<b>122</b>	<b>12</b>	<b>3</b>	<b>11</b>	<b>5</b>				<b>4</b>					
2026CPT.03.03.20651	New Hanover	4	SR-2617 / RED HAWK RD	FROM SR 1322 (BAVARIAN LN) TO CUL DE-SAC [MP 0.00 - MP 0.15]	6	2	2WU	0.15	20	0	0.15																
<b>TOTAL FOR MAP NO. 4</b>								<b>0.15</b>																			
2026CPT.03.03.20651	New Hanover	5	SR-2117 / HARRIS RD / SHENANDOAH ST	FROM HALFWAY BETWEEN SR 2114 (CANTWELL RD) AND SR 2115 (IVANHOE RD) TO SR 2633 (SHIRE LN) [MP 0.12 - MP 1.13]	6	2	2WU	1.01	25-32	0.12	1.13																
<b>TOTAL FOR MAP NO. 5</b>								<b>1.01</b>																			
2026CPT.03.03.20651	New Hanover	6	SR-2290 / MENDENHALL DR	FROM US HWY 17 (MARKET ST) TO END MAINTENANCE (MP 0.00 - MP 0.49)	6	2	2WU	0.49	20-45	0	0.49			30				1			1						
<b>TOTAL FOR MAP NO. 6</b>								<b>0.49</b>							<b>30</b>				<b>1</b>			<b>1</b>					
2026CPT.03.03.20651	New Hanover	7	SR-2782 / WRIGHTSVILLE AVE	FROM US HWY 76 (MILITARY CUTOFF RD) TO US HWY 74/76 (EASTWOOD RD) [MP 0.00 - MP 0.87]	3	2	2WU	0.87	60	0	0.87			207		7	31	20			7						
<b>TOTAL FOR MAP NO. 7</b>								<b>0.87</b>							<b>207</b>		<b>7</b>	<b>31</b>	<b>20</b>			<b>7</b>					
<b>TOTAL FOR PROJ NO. 2026CPT.03.03.20651</b>								<b>4.86</b>							<b>528</b>	<b>12</b>	<b>8</b>	<b>17</b>	<b>58</b>	<b>34</b>		<b>8</b>		<b>4</b>			
<b>GRAND TOTAL</b>												<b>8.13</b>				<b>839</b>	<b>124</b>	<b>942</b>	<b>24</b>	<b>16</b>	<b>32</b>	<b>125</b>	<b>55</b>	<b>6</b>	<b>10</b>	<b>6</b>	<b>4</b>
																<b>963</b>			<b>40</b>	<b>238</b>							

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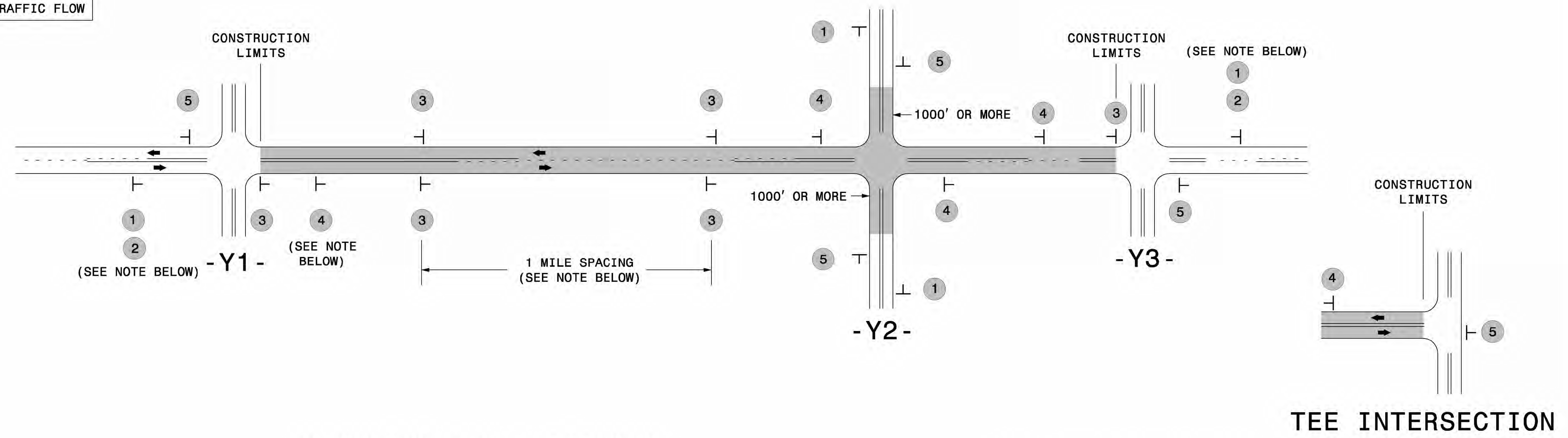
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# SIGNING FOR RESURFACING PROJECTS

**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"> <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, 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;">             PLACED 500' IN ADVANCE OF FLAGGER.         </div> <div style="text-align: center;">             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		<ul style="list-style-type: none"> <li>PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER.</li> <li>AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.</li> </ul>	
	4		<ul style="list-style-type: none"> <li>THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS.</li> <li>INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE.</li> <li>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.</li> <li>A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.</li> <li>FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.</li> </ul>	
	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**

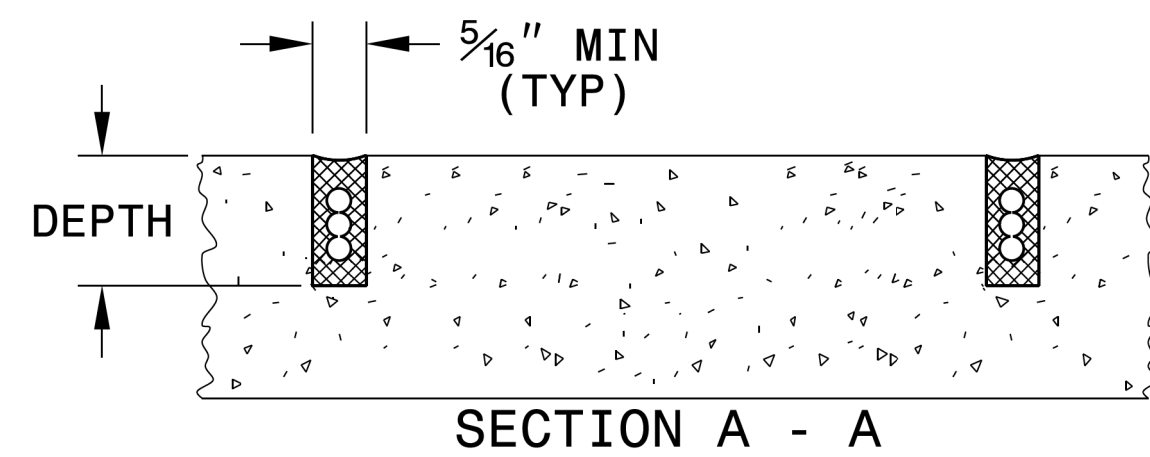
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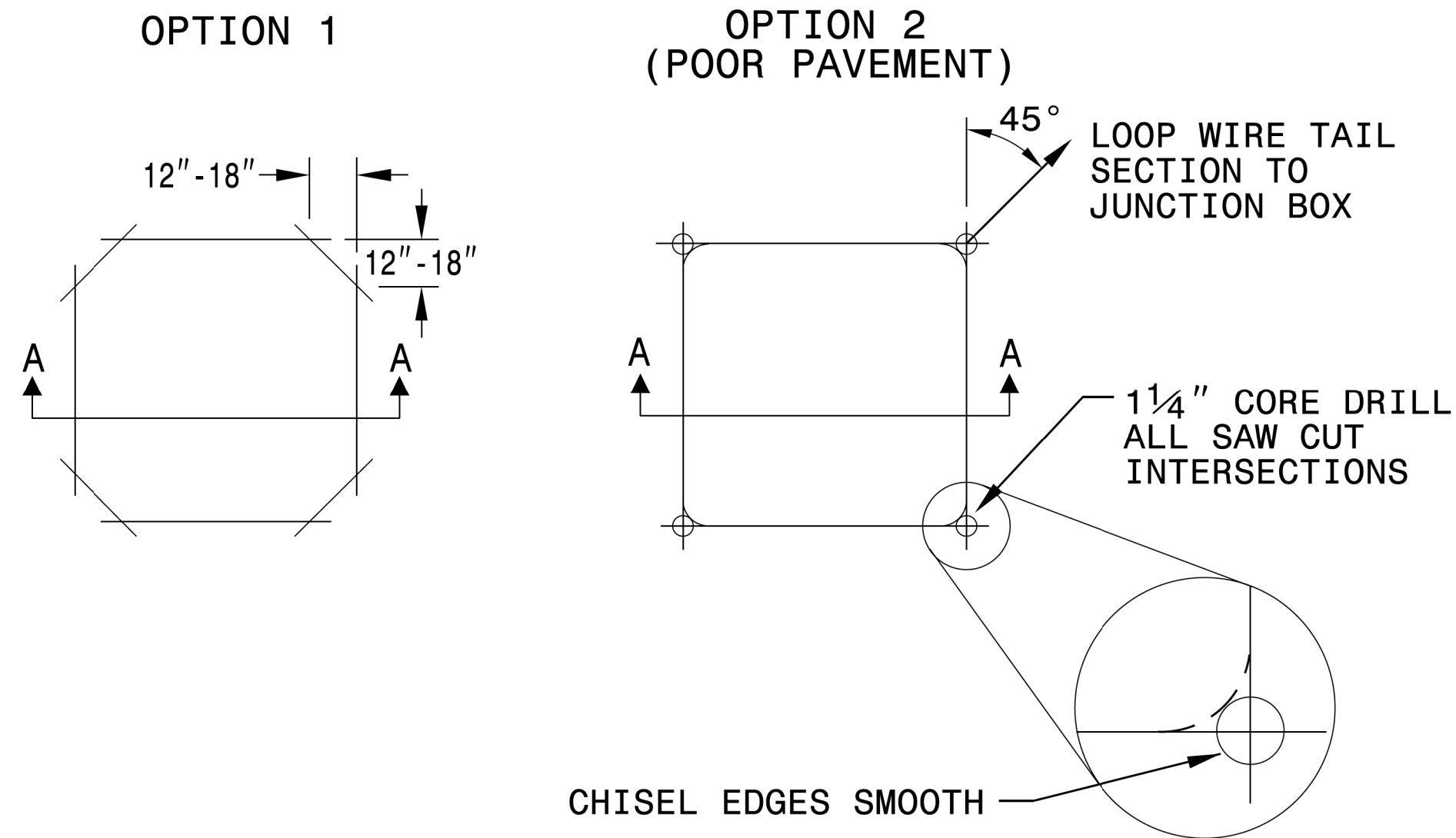
**SAW SLOT DEPTH CHART**

DEPTH (IN)	NO. OF WIRE TURNS				
	2	3	4	5	6
CONCRETE	2.0	2.0	2.5	2.5	3.0
ASPHALT	2.0	2.5	3.0	3.0	3.0

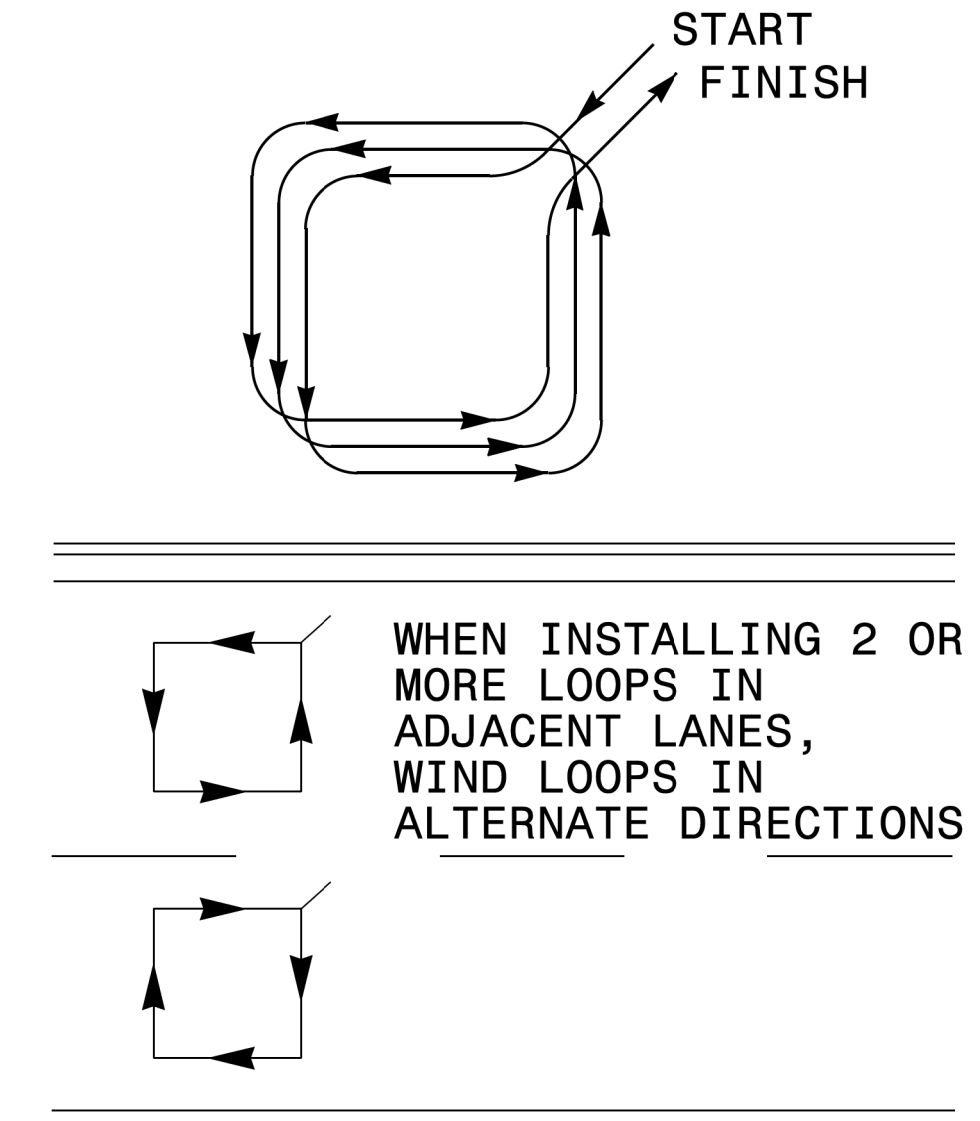


**CONVENTIONAL 4-SIDED LOOP**

**SAW CUT OPTIONS**



**LOOP WINDING METHOD**

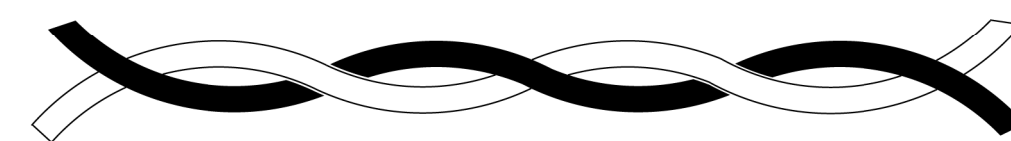


**LOOP WIRE TWISTING METHOD**

INCORRECT WAY TO TWIST WIRE



CORRECT WAY TO TWIST WIRE

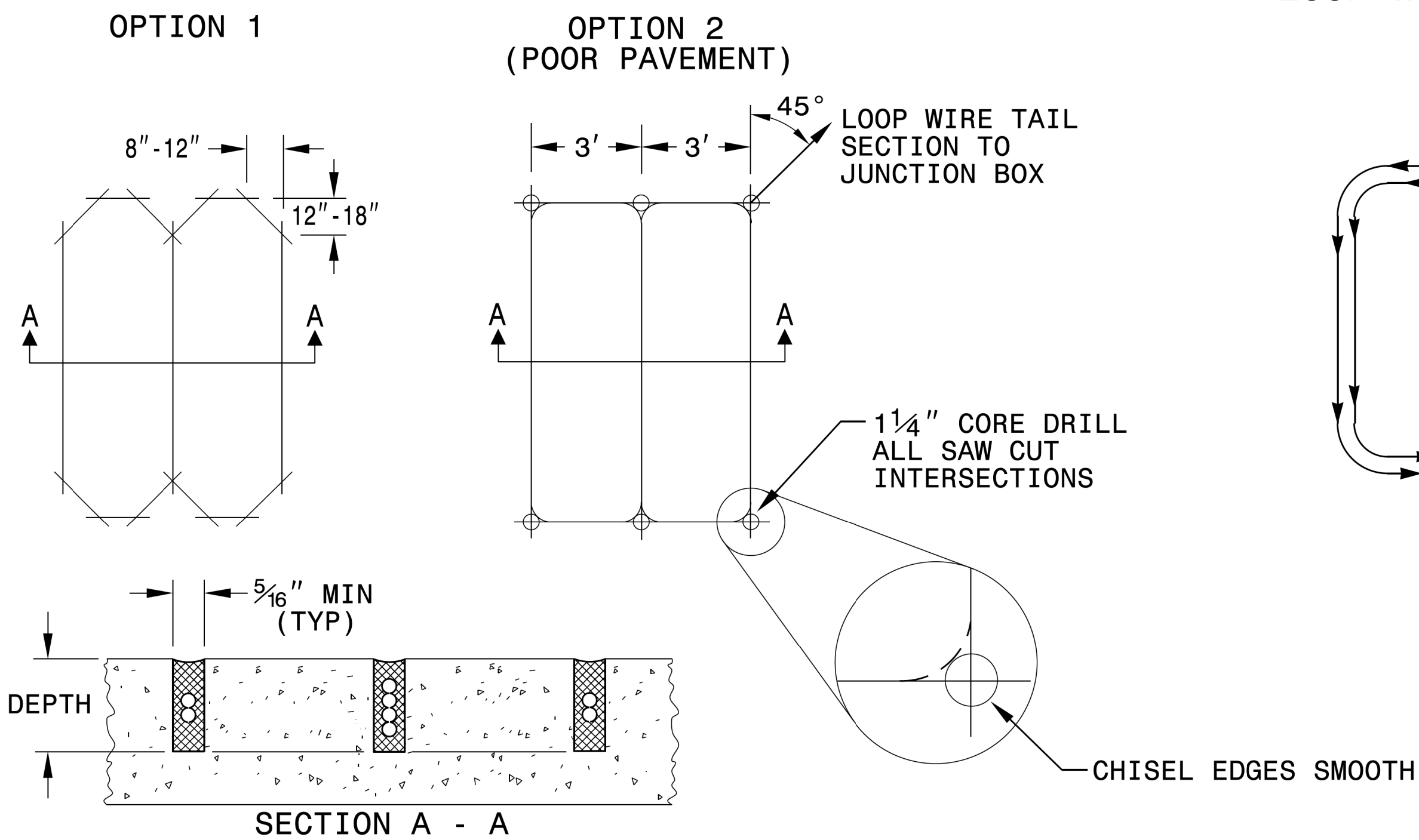


**NOTES**

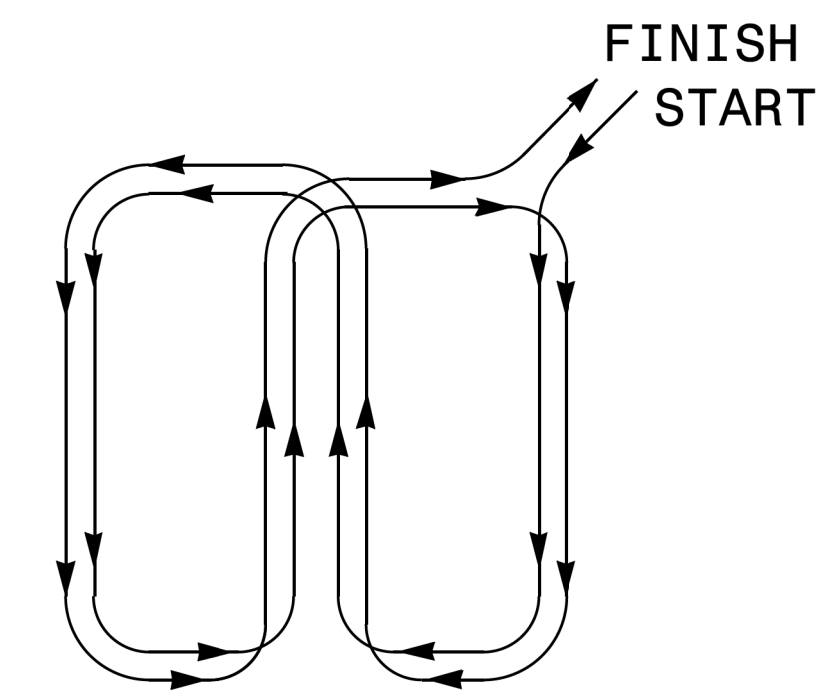
1. OVERLAP SAW CUTS AT CORNERS AND INTERSECTION POINTS TO ENSURE UNIFORM SAW SLOT DEPTH.
2. MAINTAIN 12" SPACING BETWEEN LOOP WIRE TAIL SECTIONS.
3. WIRE LOOPS CONNECTED TO THE SAME DETECTOR CHANNEL IN SERIES.
4. LOCATE LOOPS IN CENTER OF LANES UNLESS OTHERWISE SHOWN ON PLANS OR APPROVED BY ENGINEER.

**QUADRUPOLE LOOP**

**SAW CUT OPTIONS**



**LOOP WINDING METHOD**



DEPTH IS 2.5" FOR CONCRETE AND 3.0" FOR ASPHALT

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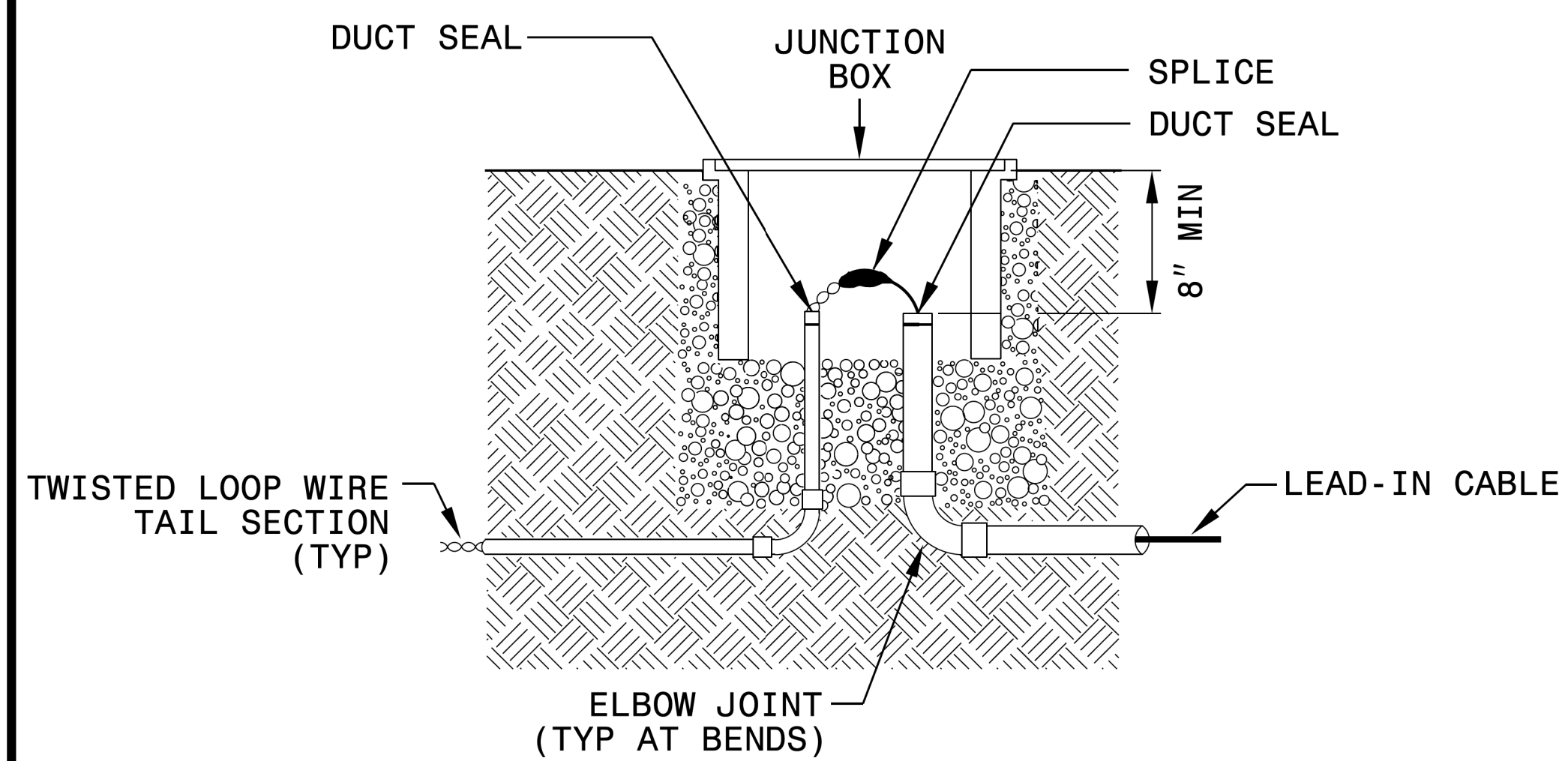
ROADWAY STANDARD DRAWING FOR  
**INDUCTIVE DETECTION LOOPS**

SHEET 1 OF 3

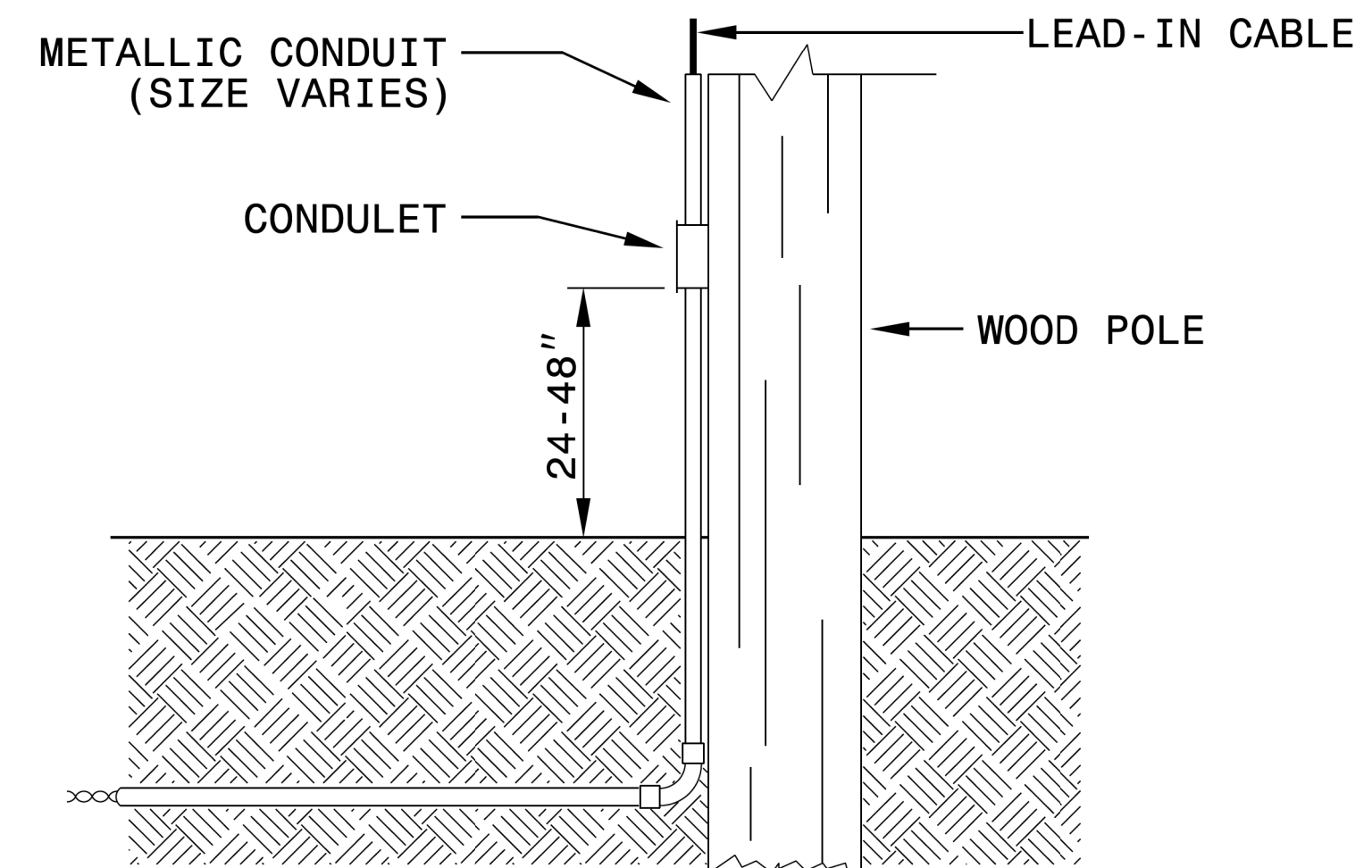
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**LOOP WIRE SPLICE POINT DETAILS**

**LOOP WIRE AT JUNCTION BOX**



**LOOP WIRE AT POLE**

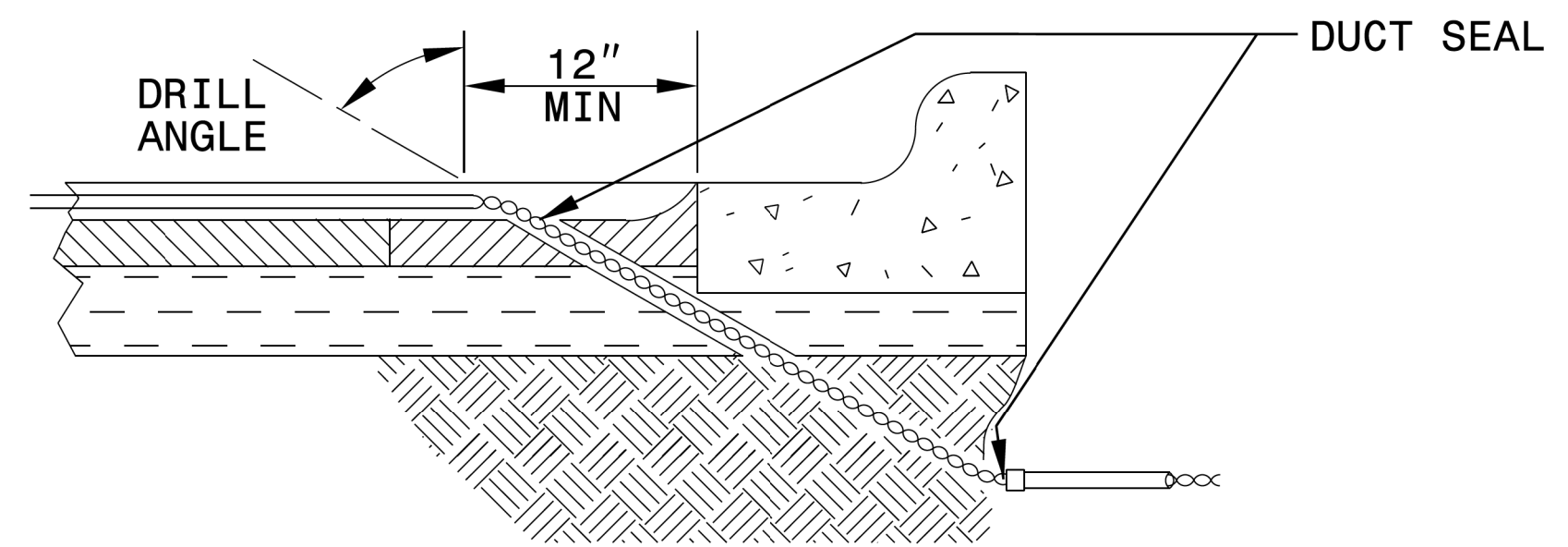


**NOTE**

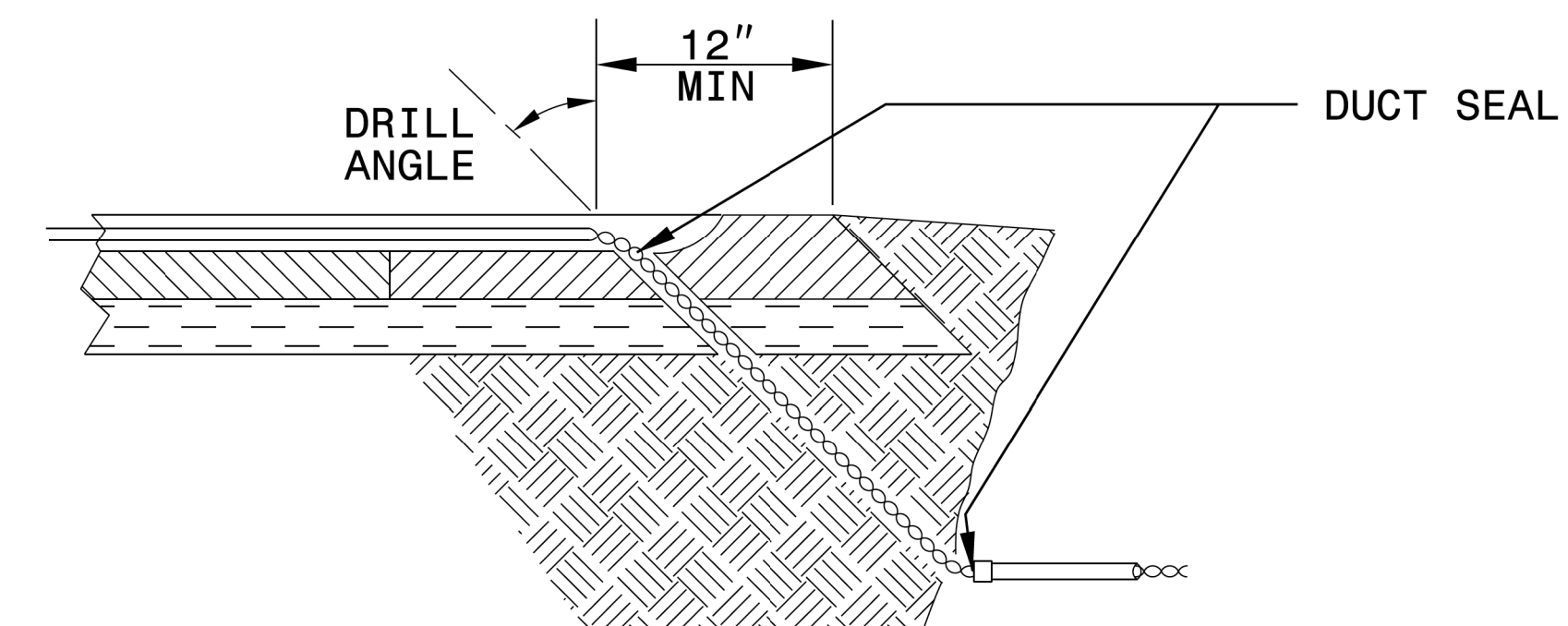
SPLICE ALL LOOP WIRE TAIL SECTIONS/LEAD-IN CABLE IN JUNCTION BOXES OR APPROVED CONDULETS.

**LOOP WIRE PAVEMENT EDGE DETAILS**

**LOOP WIRE AT CURB & GUTTER SECTION**



**LOOP WIRE AT PAVEMENT SECTION**



**NOTES**

1. DO NOT EXCAVATE UNDER CURB AND GUTTER SECTIONS FOR CONDUIT INSTALLATION.
2. TWIST LOOP WIRE TAIL SECTIONS FROM WHERE LOOP WIRE TAIL LEAVES SAW CUT TO JUNCTION BOX, INCLUDING THROUGH CONDUIT.
3. BEFORE SEALING LOOPS, INSTALL DUCT SEAL WHERE LOOP WIRE TAIL SECTION LEAVES SAW CUT IN PAVEMENT AND AT ENTRANCE OF CONDUIT TO JUNCTION BOX.

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ROADWAY STANDARD DRAWING FOR  
**INDUCTIVE DETECTION LOOPS**  
LOOP WIRE DETAILS

SHEET 2 OF 3  
**1725.01**

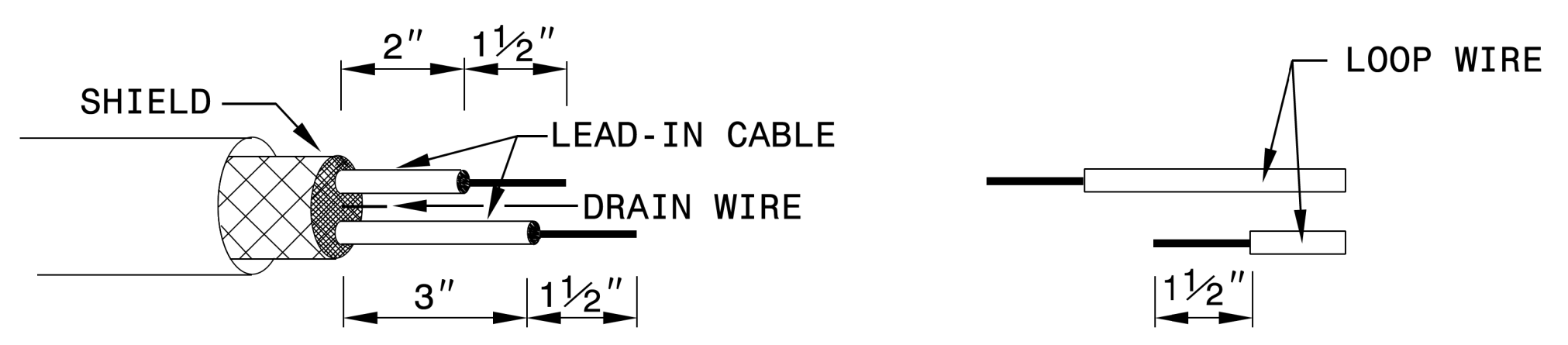
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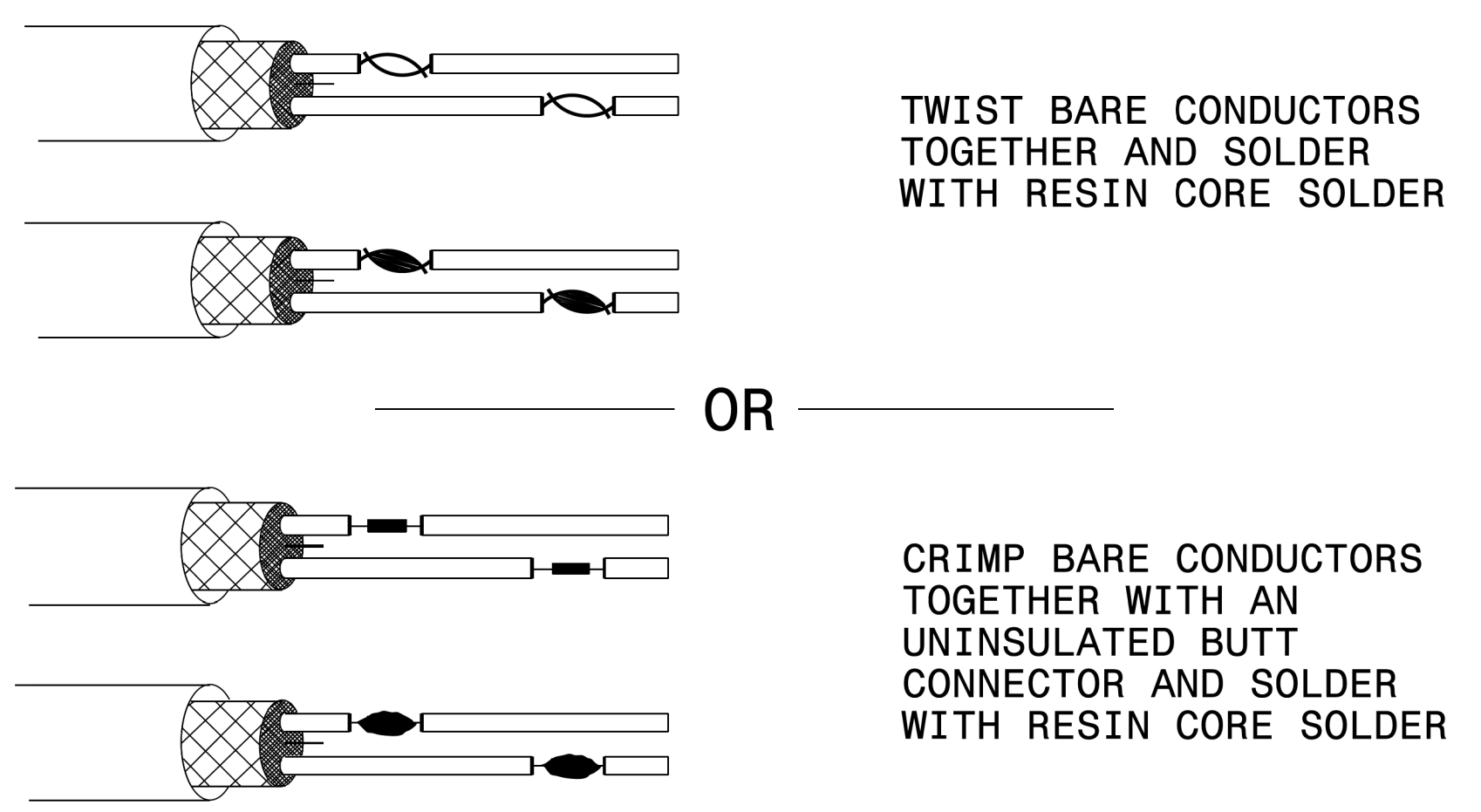
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**STEP 1. STRIP LOOP WIRE AND LEAD-IN CABLE**



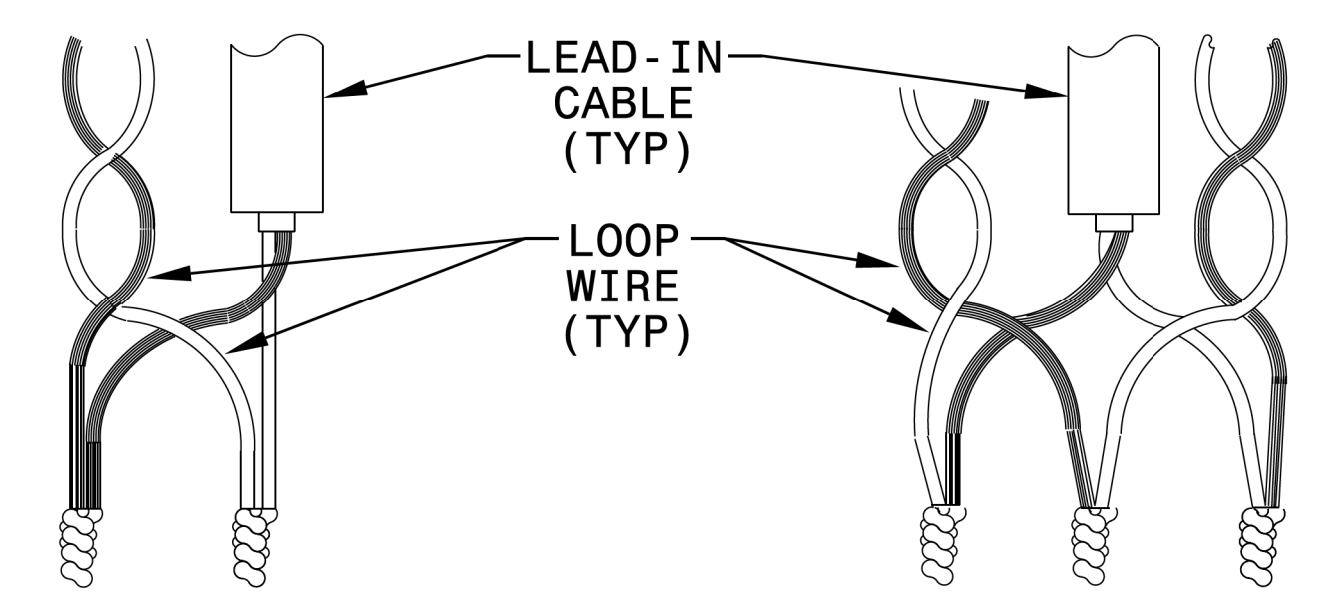
**STEP 2. CONNECT AND SOLDER**



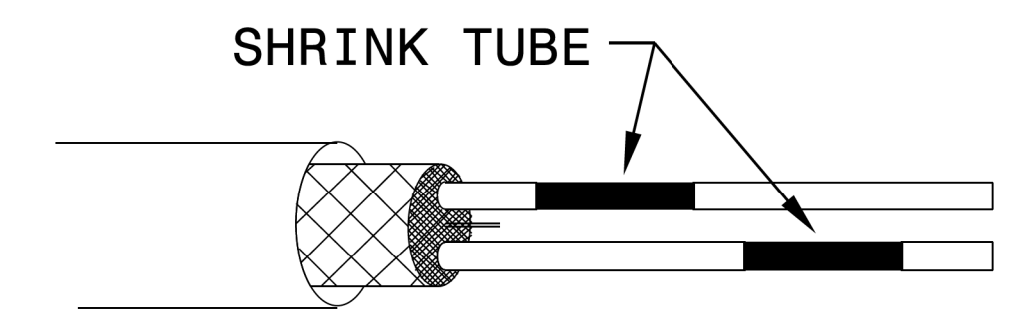
BOND SHIELD DRAIN WIRE AT SPLICE SECTIONS (DO NOT GROUND)

**LOOP WIRE AND LEAD-IN CABLE CONNECTION DETAILS**

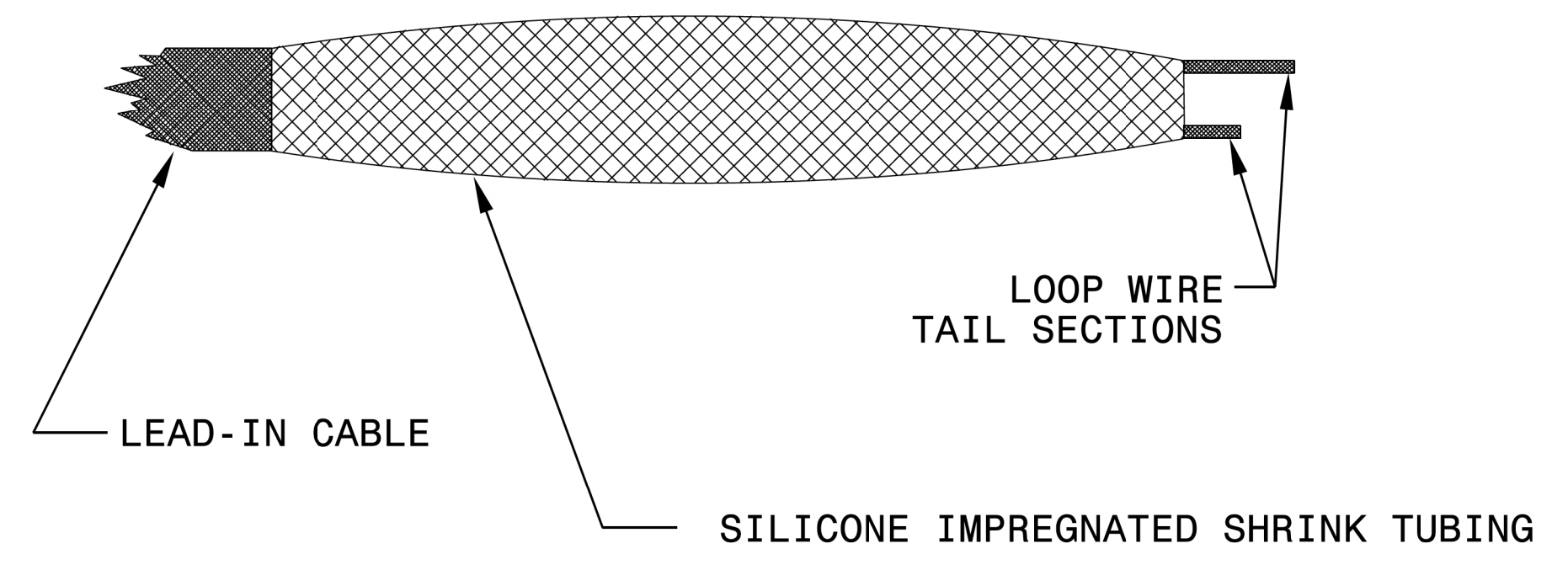
SINGLE CONNECTION      SERIES CONNECTION



**STEP 3. INSULATE EACH SOLDER JOINT SEPARATELY**



**STEP 4. ENVIRONMENTALLY PROTECT SPLICE**



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ROADWAY STANDARD DRAWING FOR  
**INDUCTIVE DETECTION LOOPS**  
SPLICING FOR LEAD-IN CABLE AND LOOP WIRE

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