

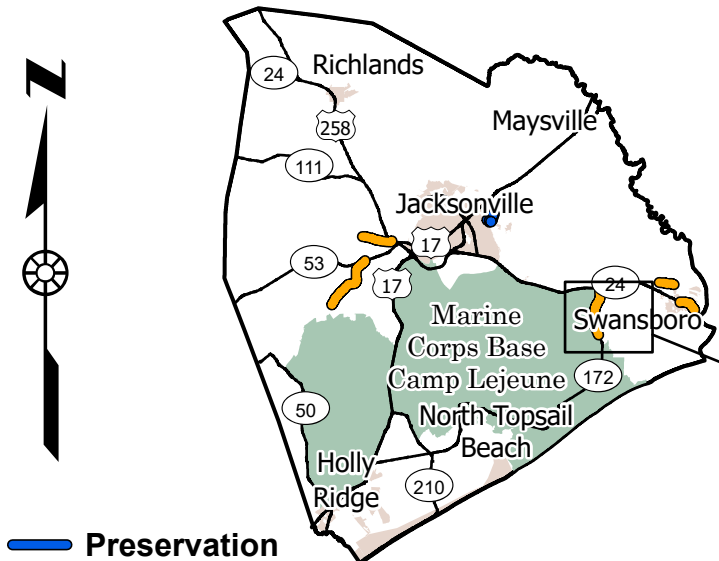
WBS NO: 2024CPT.03.10.10671, ETC.

CONTRACT: DC00451

# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS ONSLOW COUNTY

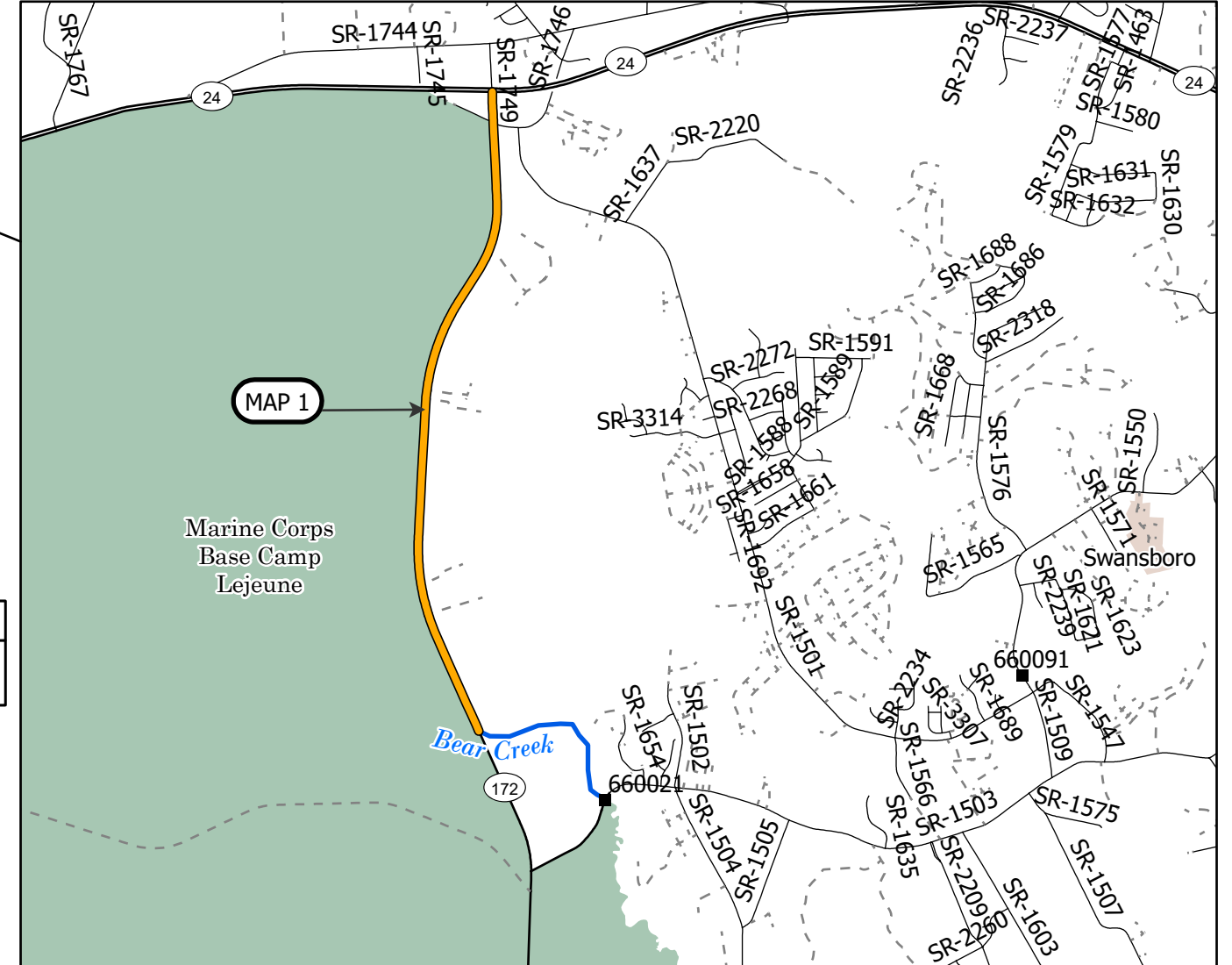
*TYPE OF WORK: RESURFACING & PRESERVATION*

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2024CPT.03.10.10671, ETC.	1
STATE PROJECT NUMBER		DESCRIPTION



- Preservation
- Resurfacing
- Division 3 Bridges

MAP	ROUTE	Description	TYPE
1	NC-172	FROM BEAR CREEK TO NC HWY 24-CIVILIAN [MP 22.90 - MP 26.13]	Resurfacing



<b>PROJECT LENGTH</b>				
<table border="1" style="margin: auto;"> <thead> <tr> <th>MAP</th> <th>MILES</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">3.23</td> </tr> </tbody> </table>	MAP	MILES	1	3.23
MAP	MILES			
1	3.23			

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.**



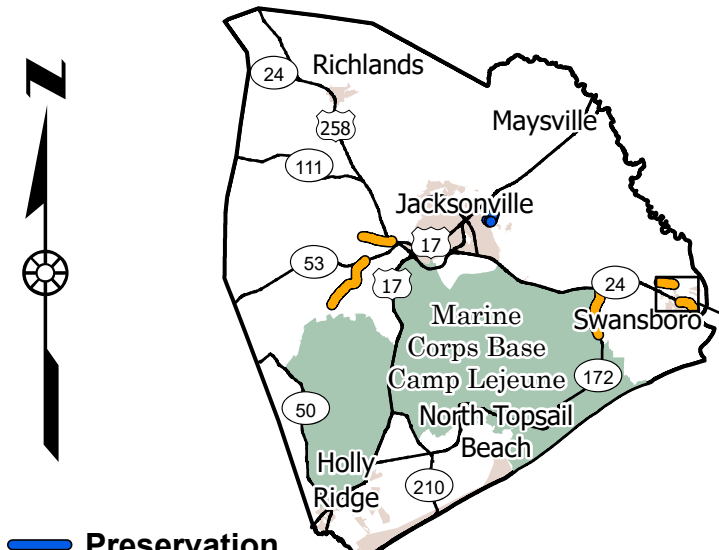
WBS NO: 2024CPT.03.10.10671, ETC.

CONTRACT: DC00451

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

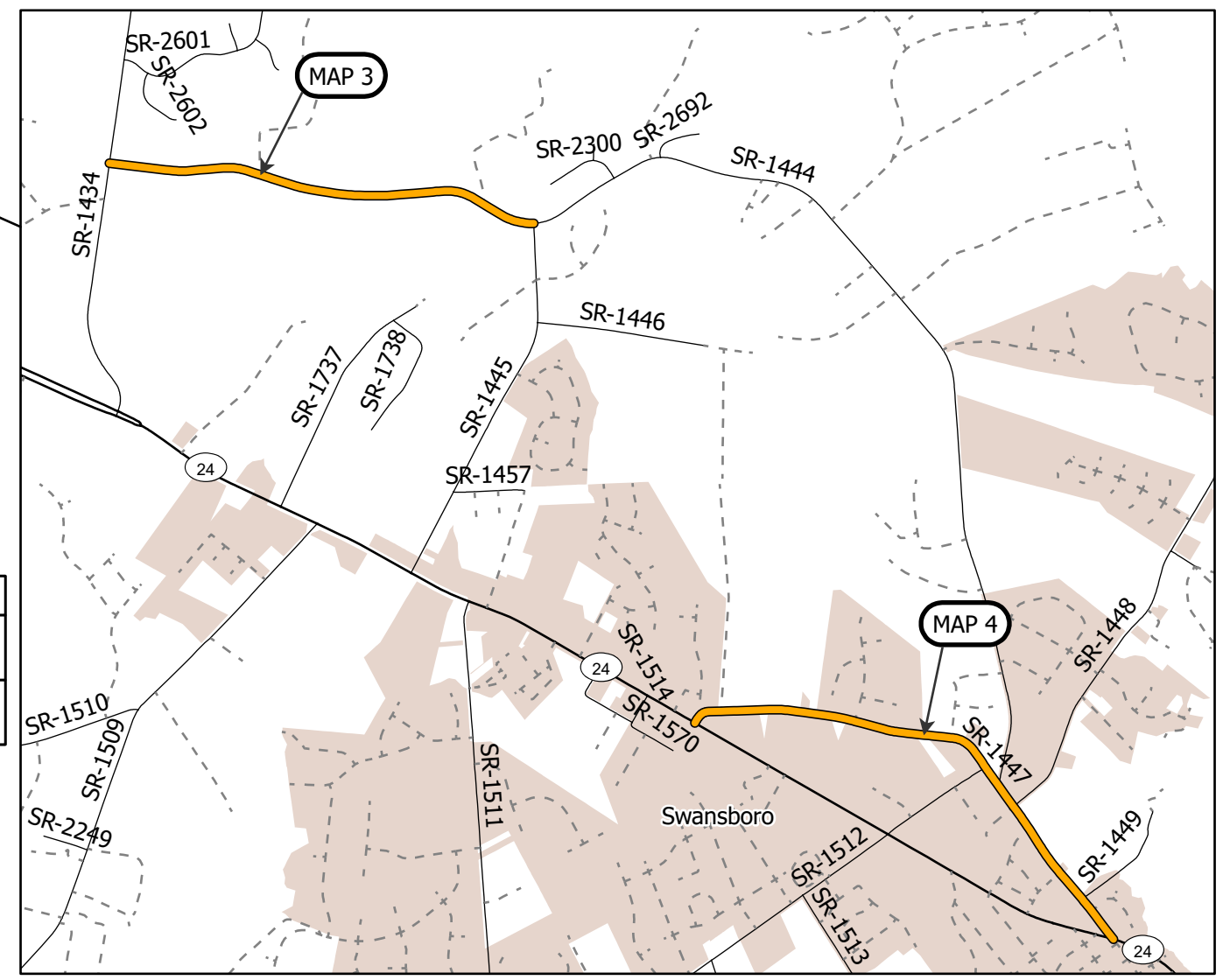
TYPE OF WORK: RESURFACING & PRESERVATION

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2024CPT.03.10.10671, ETC.	2
STATE PROJECT NUMBER		DESCRIPTION



- Preservation
- Resurfacing
- Division 3 Bridges

MAP	ROUTE	Description	TYPE
3	SR-1444 / SWANSBORO LOOP RD	FROM SR 1434 (BELGRADE-SWANSBORO RD) TO SR 1445 (NORRIS RD) [MP 0.00 - MP 1.05]	Resurfacing
4	SR-1447 / MAIN ST EX	FROM NC HWY 24 (W. CORBETT AVE) TO NC HWY 24 (W. CORBETT AVE) [MP 0.00 - MP 1.25]	Resurfacing



<i>PROJECT LENGTH</i>	
MAP	MILES
3	1.05
4	1.25

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 5501 BARBADOS BLVD., CASTLE HAYNE, NC, 28429

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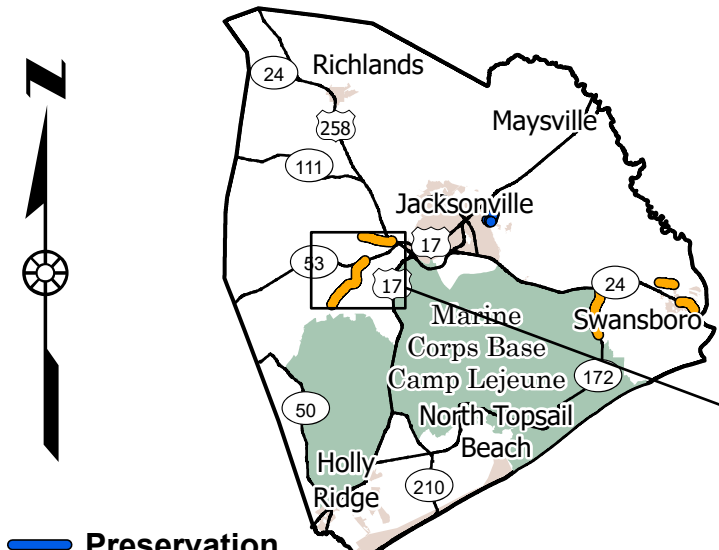
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CONTRACT: DC00451

# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS ONSLOW COUNTY

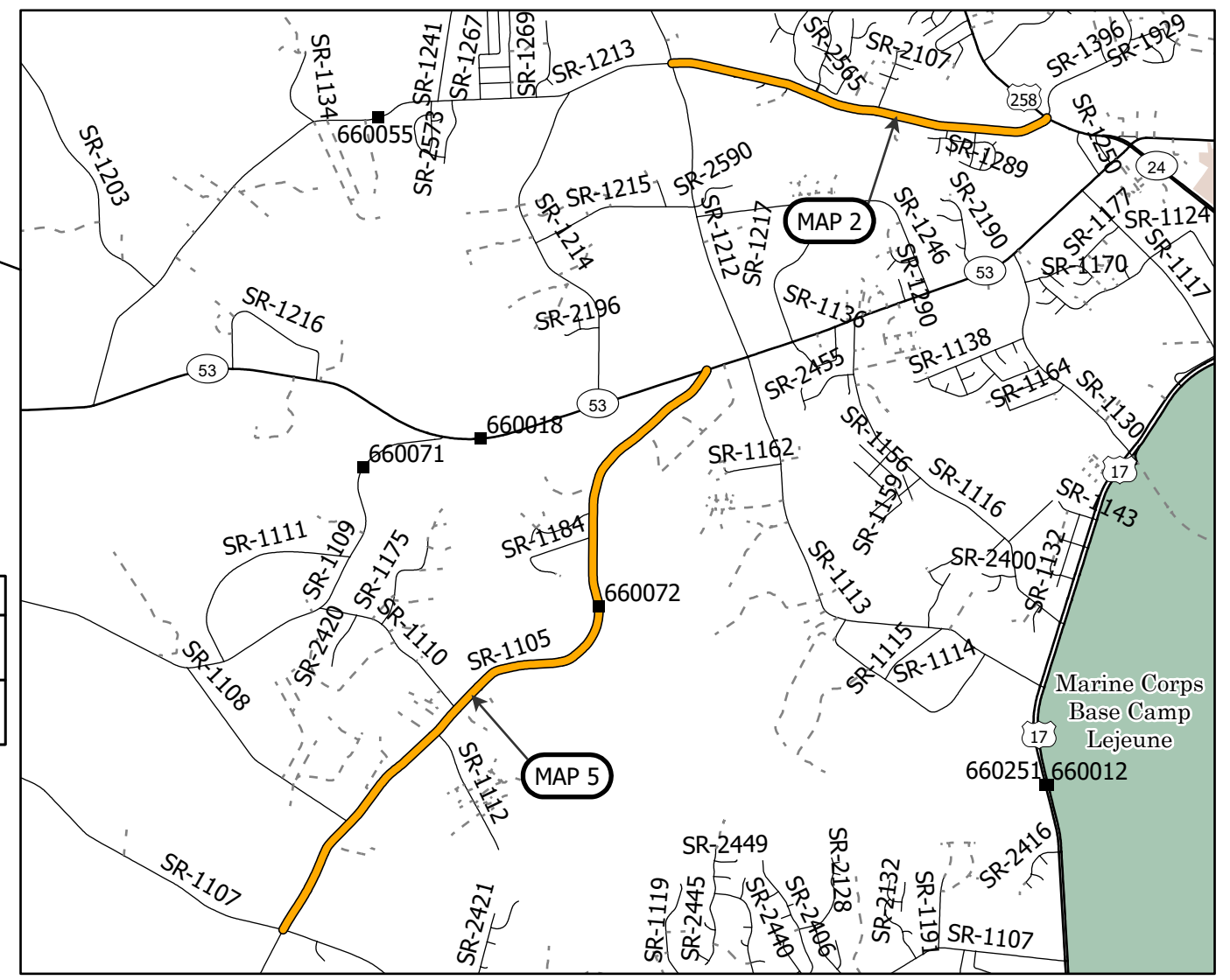
*TYPE OF WORK: RESURFACING & PRESERVATION*

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2024CPT.03.10.10671, ETC.	3
STATE PROJECT NUMBER		DESCRIPTION



- Preservation
- Resurfacing
- Division 3 Bridges

MAP	ROUTE	Description	TYPE
2	SR-1213 / BLUE CREEK RD	FROM NC HWY 258 (RICHLANDS HWY) TO SR 1212 (PONY FARM RD) [MP 0.00 - MP 2.06]	Resurfacing
5	SR-1105 / HAWS RUN RD	FROM SR 1107 (DAWSON CABIN RD) TO NC HWY 53 (BURGAW HWY) [MP 5.53 - MP 9.57]	Resurfacing



<i>PROJECT LENGTH</i>	
MAP	MILES
2	2.06
5	4.04

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

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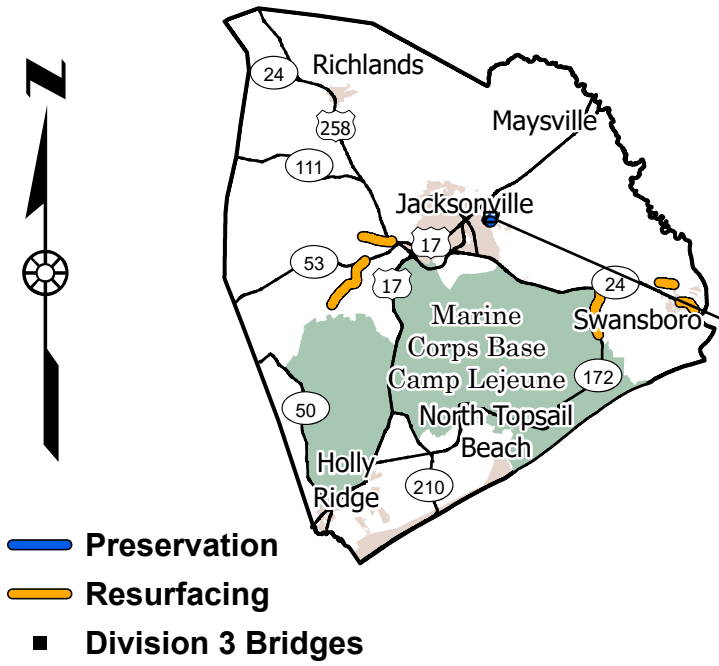
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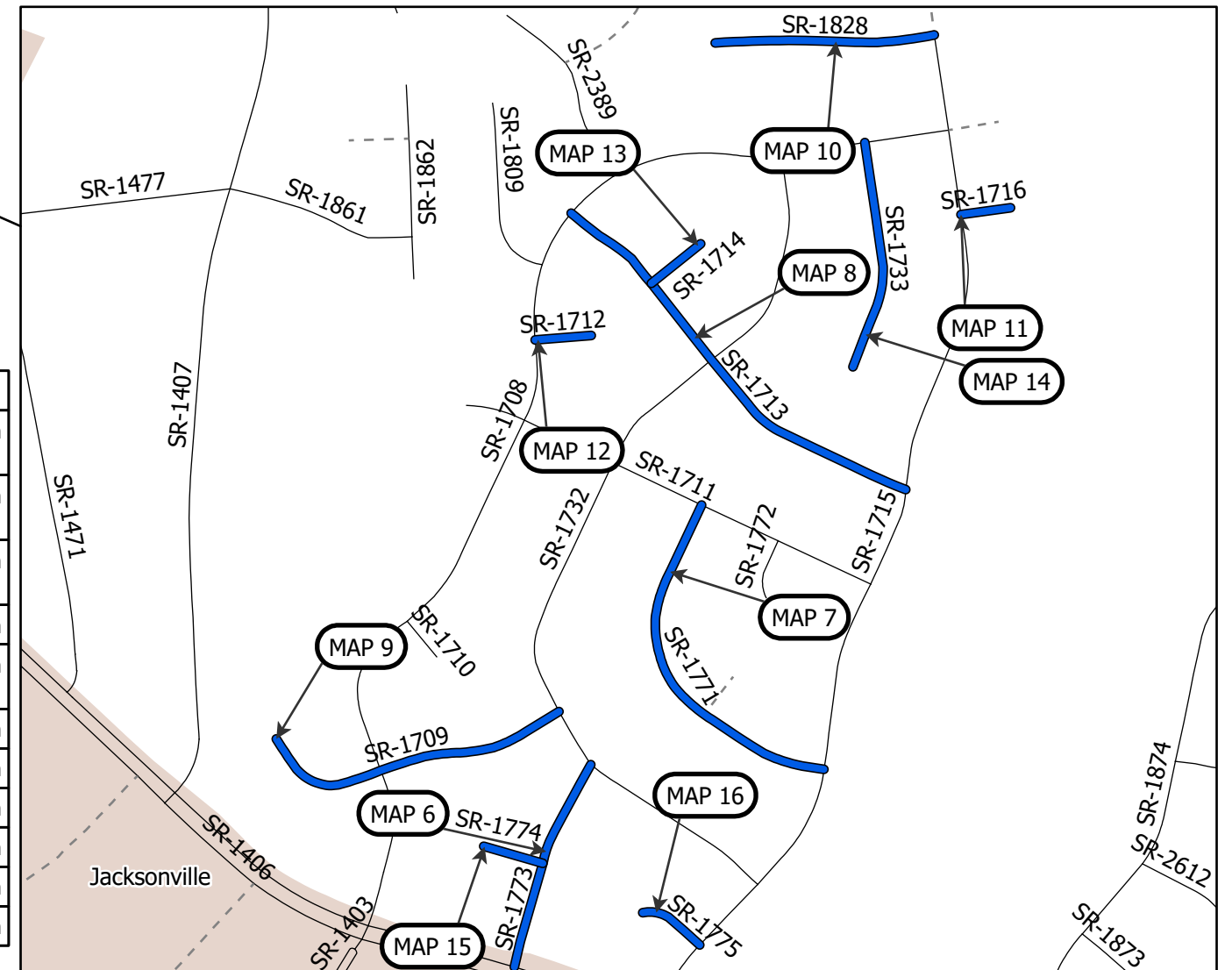
# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS ONslow COUNTY

*TYPE OF WORK: RESURFACING & PRESERVATION*

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2024CPT.03.04.10671, ETC.	4
STATE PROJECT NUMBER		DESCRIPTION



MAP	ROUTE	Description	TYPE
6	SR-1773 / NOBLE LN	FROM SR 1732 (TOWER DR) TO SR 1406 (PINEY GREEN RD) [MP 0.00 TO MP 0.15]	Preservation
7	SR-1771 / CASTLE DR	FROM SR 1711 ( ROYAL DR) TO SR 1715 (REGALWOOD DR) [MP 0.00 - MP 0.26]	Preservation
8	SR-1713 / THAMES DR	FROM SR 1708 (COUNTRY CLUB RD) TO SR 1715 (REGALWOOD DR) [MP 0.00 - MP 0.31]	Preservation
9	SR-1709 / KNIGHT PL	FROM 1732 (TOWER DR) TO CUL-DE-SAC -[MP 0.00 - MP 0.22]	Preservation
10	SR-1828 / HAMPTON CT	FROM SR 1715 (REGALWOOD DR) TO CUL-DE-SAC [MP 0.00 - MP 0.15]	Preservation
11	SR-1716 / DUFF CT	FROM 1715 (REGALWOOD DR) TO SR CUL-DE-SAC [MP 0.00 - MP 0.04]	Preservation
12	SR-1712 / BERKS CT	FROM 24 1708 (COUNTRY CLUB RD) TO CUL-DE-SAC [MP 0.00 - MP 0.04]	Preservation
13	SR-1714 / KERRY CT	FROM 1714 (THAMES DR) TO CUL-DE-SAC [MP 0.00 - MP 0.04]	Preservation
14	SR-1733 / LANCE CT	FROM 1708 (COUNTRY CLUB RD) TO CUL-DE-SAC [MP 0.00 - MP 0.16]	Preservation
15	SR-1774 / NOBLE CT	FROM 1773 (NOBLE LN) TO CUL-DE-SAC [MP 0.00 - MP 0.04]	Preservation
16	SR-1775 / REX CT	FROM SR 1715 (REGALWOOD DR) TO CUL-DE-SAC [MP 0.00 - MP 0.05]	Preservation

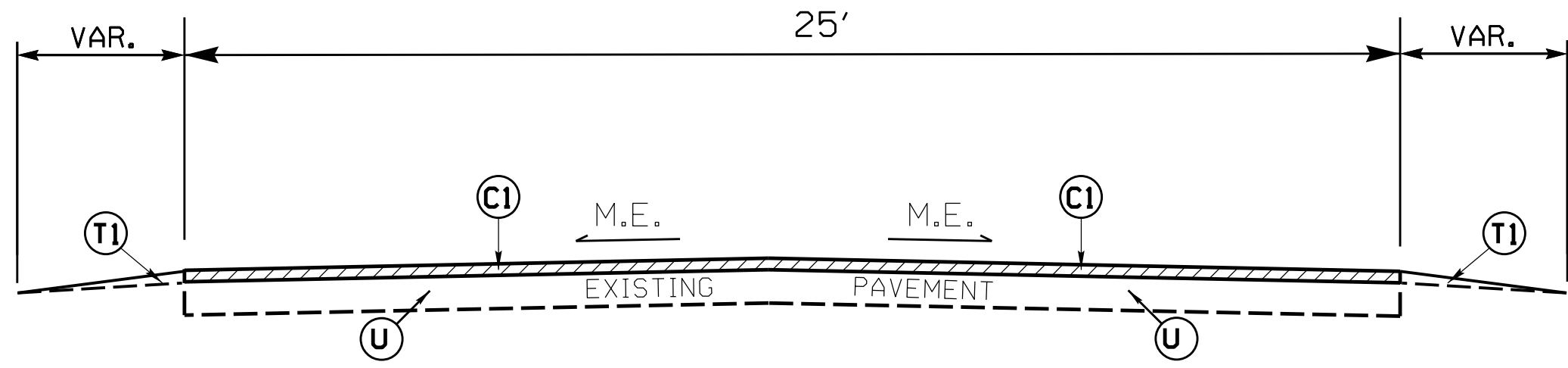


<i>PROJECT LENGTH</i>					
MAP	MILES	MAP	MILES	MAP	MILES
6	0.15	10	0.15	14	0.16
7	0.26	11	0.04	15	0.04
8	0.31	12	0.04	16	0.05
9	0.22	13	0.04		

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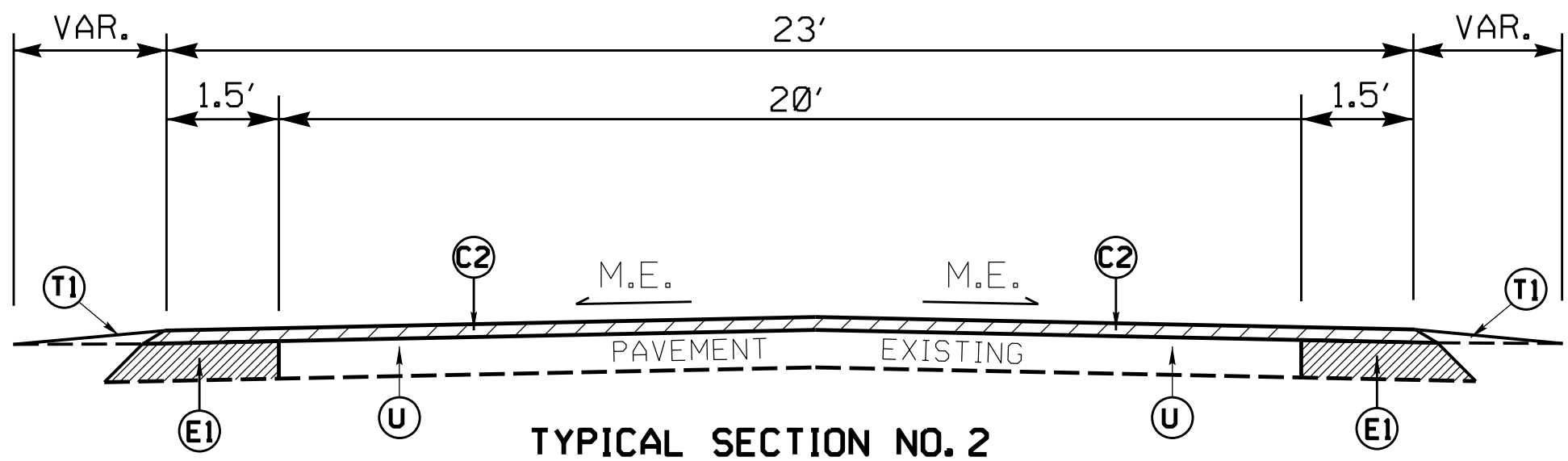
**This exhibit does not meet NC 47-30 requirements and therefore is not intended for design, construction, or recording or transfer of title.**





**TYPICAL SECTION NO. 1**

MAP NO. 1  
 NC 172 HWY.  
 MP 22.90 - MP 26.13



**TYPICAL SECTION NO. 2**

MAP NO. 3  
 SR 1444 (SWANSBORO LOOP RD.)  
 MP 0.00 - MP 1.05

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. 1" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ.YD.
E1	PROP. APPROX. 5" DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ.YD.
R1	EXISTING 2'-6" CURB & GUTTER
R2	EXISTING CONCRETE VALLEY CURB
T1	AGGREGATE SHOULDER BORROW (ASB)
T2	EARTH MATERIAL SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	VARIABLE MILLING, 0" - 1½" DEPTH
V2	MILLNG, 1½" DEPTH
V3	VARIABLE MILLING, 0" - 1" DEPTH

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

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

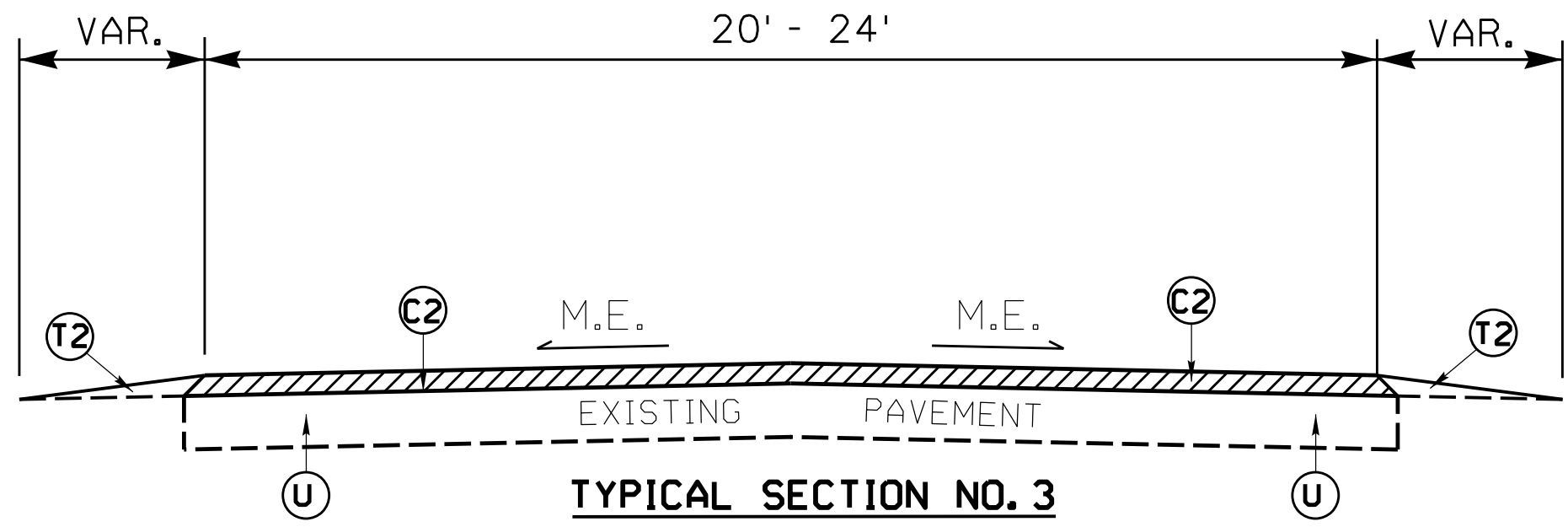
MAP NO. 3: THE CONTRACTOR SHALL RETAIN EXISTING LANE WIDTHS AND RESTRIPE WITH 1.5' PAVED SHOULDERS.

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

REVISIONS

8/17/99

SYSTEMS



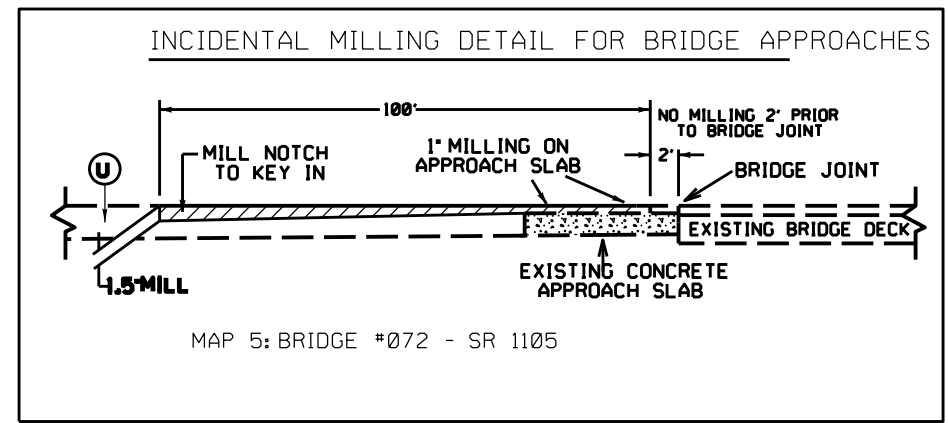
**TYPICAL SECTION NO. 3**

MAP NO. 2 SR 1213 (BLUE CREEK RD) MP 0.00 - MP 2.06  
 MAP NO. 4 SR 1447 (MAIN ST. EX.) MP 0.00 - MP 1.25

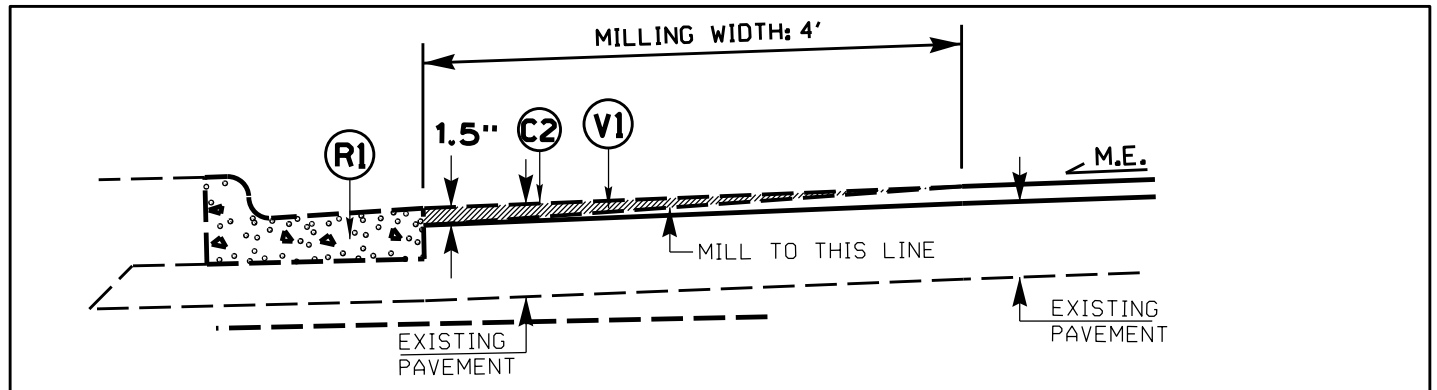
MAP NO. 5 SR 1105 (HAWS RUN RD.) MP 5.53 - MP 8.05  
 MP 8.08 - MP 9.57  
 V2 MP 5.97 - MP 6.03  
 NO PAVING BRIDGE #072

PAVEMENT SCHEDULE	
C2	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
R1	EXISTING 2'-6" CURB & GUTTER
T2	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
U	EXISTING PAVEMENT
V1	MILLING ASPHALT PAVEMENT, 0" - 1½" DEPTH
V2	MILLING, 1½" DEPTH

**NOTES:** V2 MAP NO. 5 FRIS MILL 1 1/2" MP 5.97 - MP 6.03  
 MILL A SINGLE LANE AND PAVE BACK BY THE END OF EACH WORK DAY.  
 SHOULDER WORK ON MAP NO. 2, 4-5 AS NEEDED, TO BE DETERMINED BY ENGINEER.  
 PAVEMENT EDGE SLOPES ARE 1:1, EXCEPT FINAL SURFACE COURSE. SEE SHOULDER WEDGE DETAIL.



MAP 5: BRIDGE #072 - SR 1105



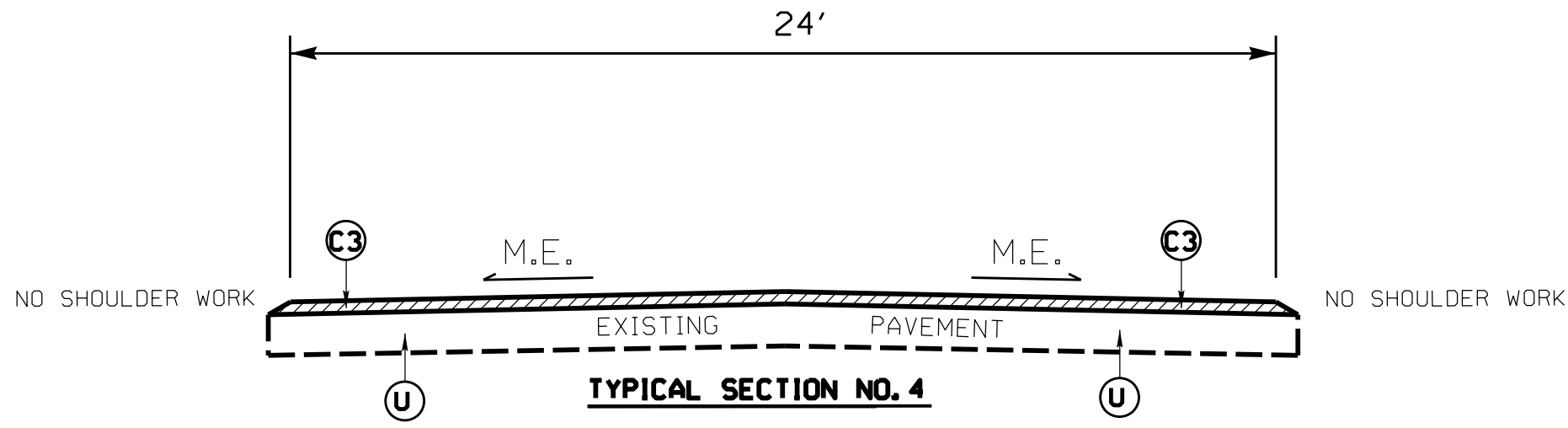
**VARIABLE MILLING AT 2'-6" CURB & GUTTER**

MAP NO. 2 SR 1213 (BLUE CREEK RD) MP 1.24 - MP 1.27  
 MAP NO. 4 SR 1447 (MAIN ST. EX.) MP 1.09 - MP 1.10  
 MP 1.14 - MP 1.22

REVISIONS

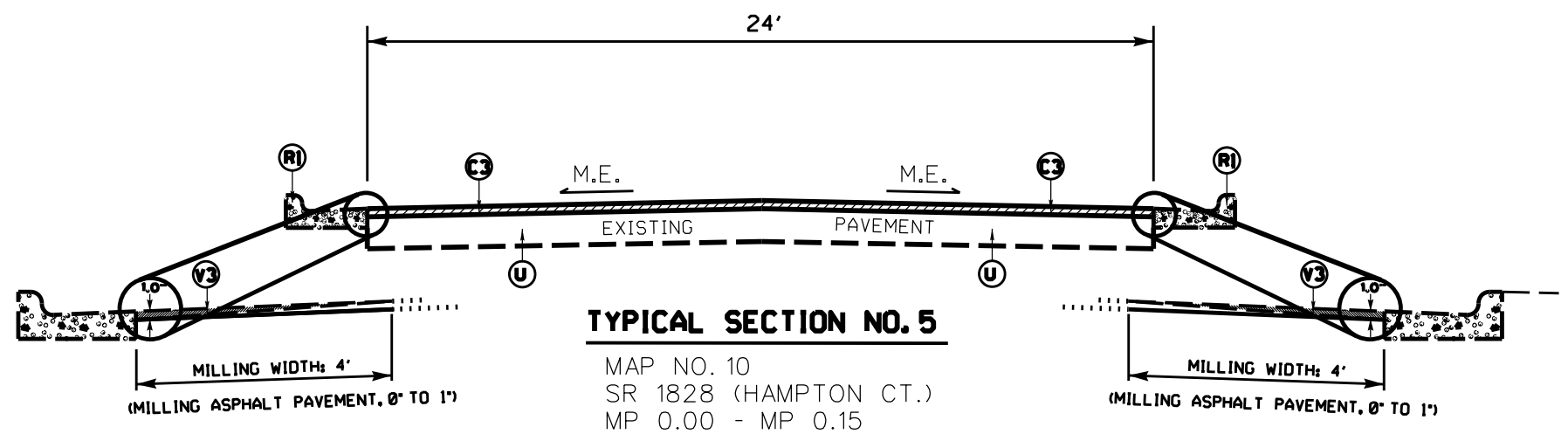
8/17/99  
 SYSTEMS  
 8/17/99

PAVEMENT SCHEDULE	
C3	PROP. APPROX. 1" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ.YD.
R1	EXISTING 2'-6" CURB & GUTTER
R2	EXISTING CONCRETE VALLEY CURB
U	EXISTING PAVEMENT
V2	MILLING ASPHALT PAVEMENT, 0" - 1" DEPTH



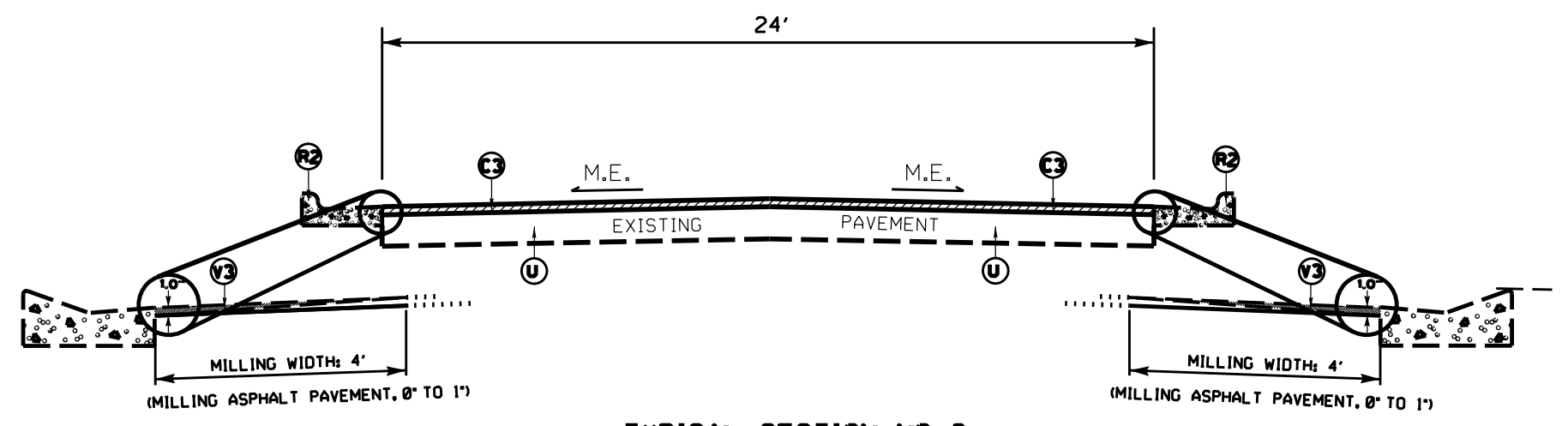
**TYPICAL SECTION NO. 4**

MAP NO. 6 SR 1773 (NOBLE LN.) MP 0.00 - MP 0.15  
 MAP NO. 7 SR 1771 (CASTLE DR.) MP 0.00 - MP 0.26  
 MAP NO. 9 SR 1709 (KNIGHT PL.) MP 0.00 - MP 0.22  
 MAP NO. 15 SR 1774 (NOBLE CT.) MP 0.00 - MP 0.04  
 MAP NO. 16 SR 1775 (REX CT.) MP 0.00 - MP 0.05



**TYPICAL SECTION NO. 5**

MAP NO. 10 SR 1828 (HAMPTON CT.) MP 0.00 - MP 0.15



**TYPICAL SECTION NO. 6**

MAP NO. 8 SR 1713 (THAMES DR.) MP 0.00 - MP 0.31  
 MAP NO. 13 SR 1714 (KERRY CT.) MP 0.00 - MP 0.04  
 MAP NO. 11 SR 1716 (DUFF CT.) MP 0.00 - MP 0.04  
 MAP NO. 12 SR 1712 (BERKS CT.) MP 0.00 - MP 0.04  
 MAP NO. 14 SR 1733 (LANCE CT.) MP 0.00 - MP 0.16

2024 ROADWAY ENGLISH STANDARD DRAWINGS  
 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  
 848.06 Curb Ramp  
 DIVISION 12 - PAVT MARKING, MARKERS AND DELINEATION  
 1205.08 Pavement Markings - Symbols & Word Messages

EFF. 01-16-2024 REV.

REVISIONS

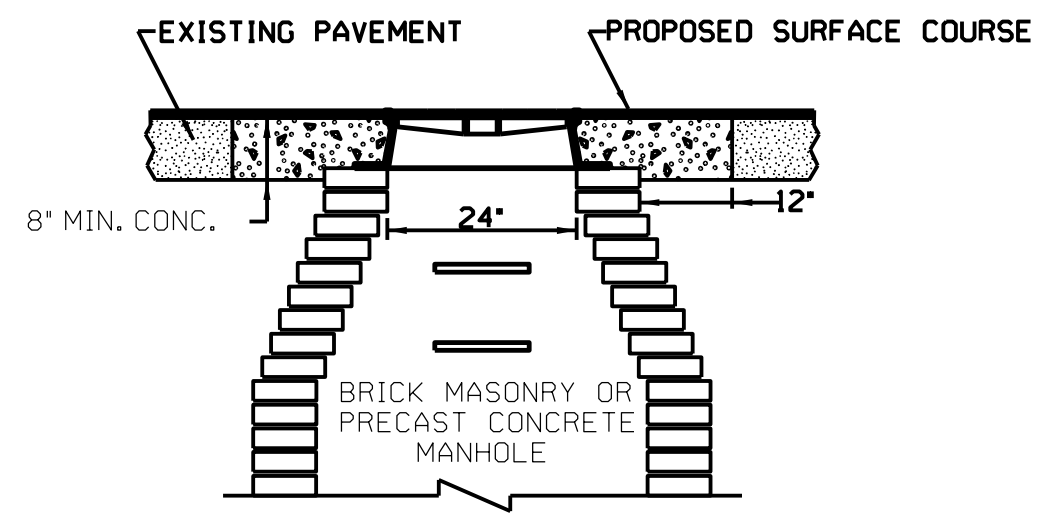
8/17/99  
 SYSTEM TIME  
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STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

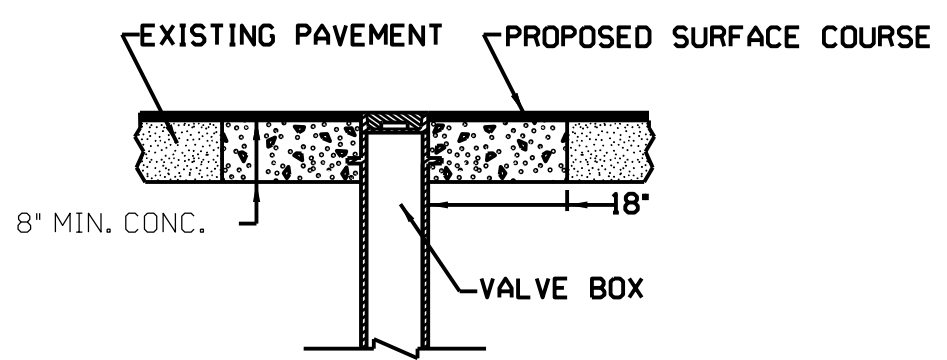
ENGLISH DETAIL DRAWING FOR  
MANHOLE AND VALVE BOX ADJUSTMENTS

**GENERAL NOTES:**

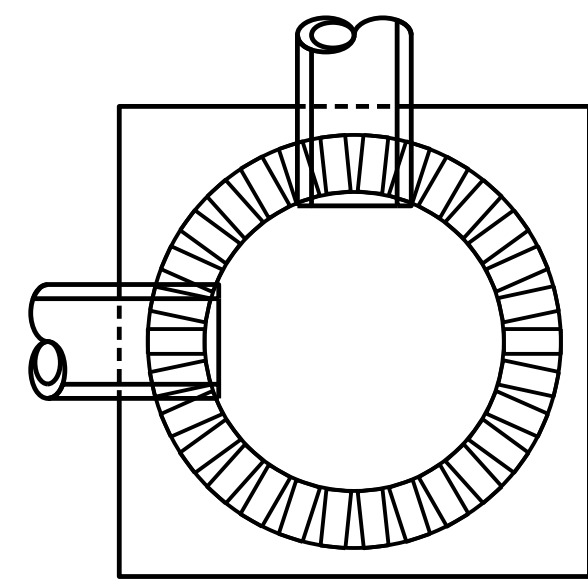
1. USE RAPID SET GROUT, MORTAR, OR CONCRETE THAT WILL TAKE FULL SET AND BECOME LOAD BEARING WITHIN SIXTY MINUTES OF PLACEMENT WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
2. REMOVE ALL FAULTY EXISTING BRICKWORK AND REPLACE WITH NEW BRICK MASONRY.
3. SHEER CUT EXCAVATION FOR THE ADJUSTMENT ON ALL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

REVISIONS

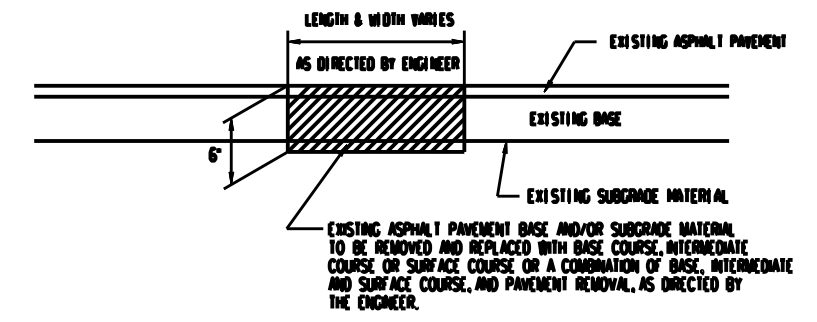
8/17/99  
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840D55

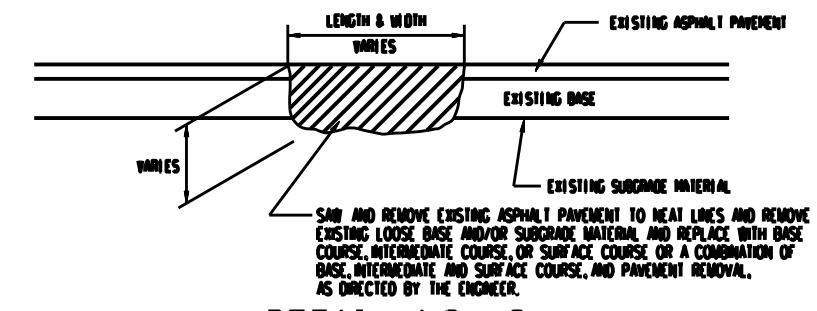
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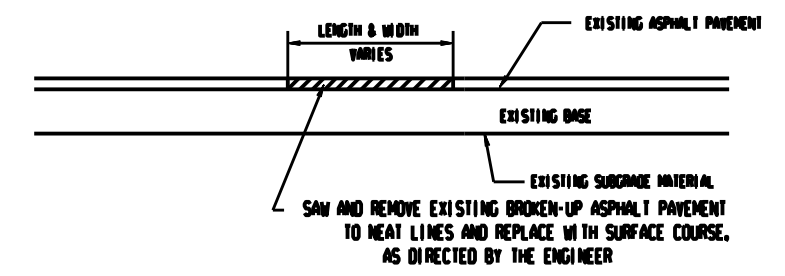
DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



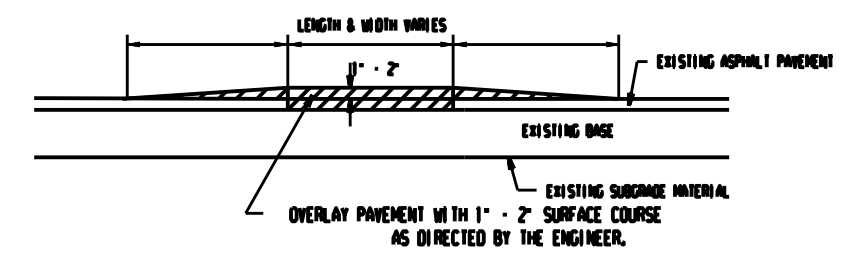
DETAIL NO. 1



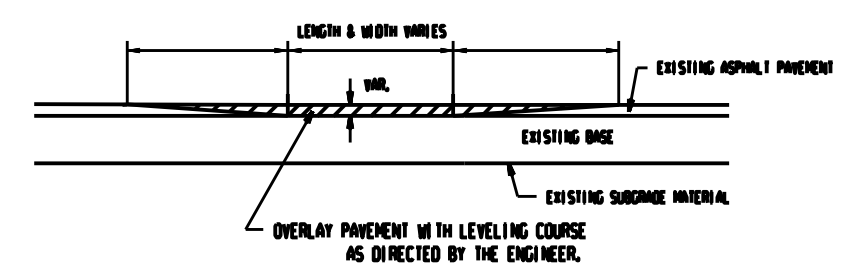
DETAIL NO. 2



DETAIL NO. 3



DETAIL NO. 4



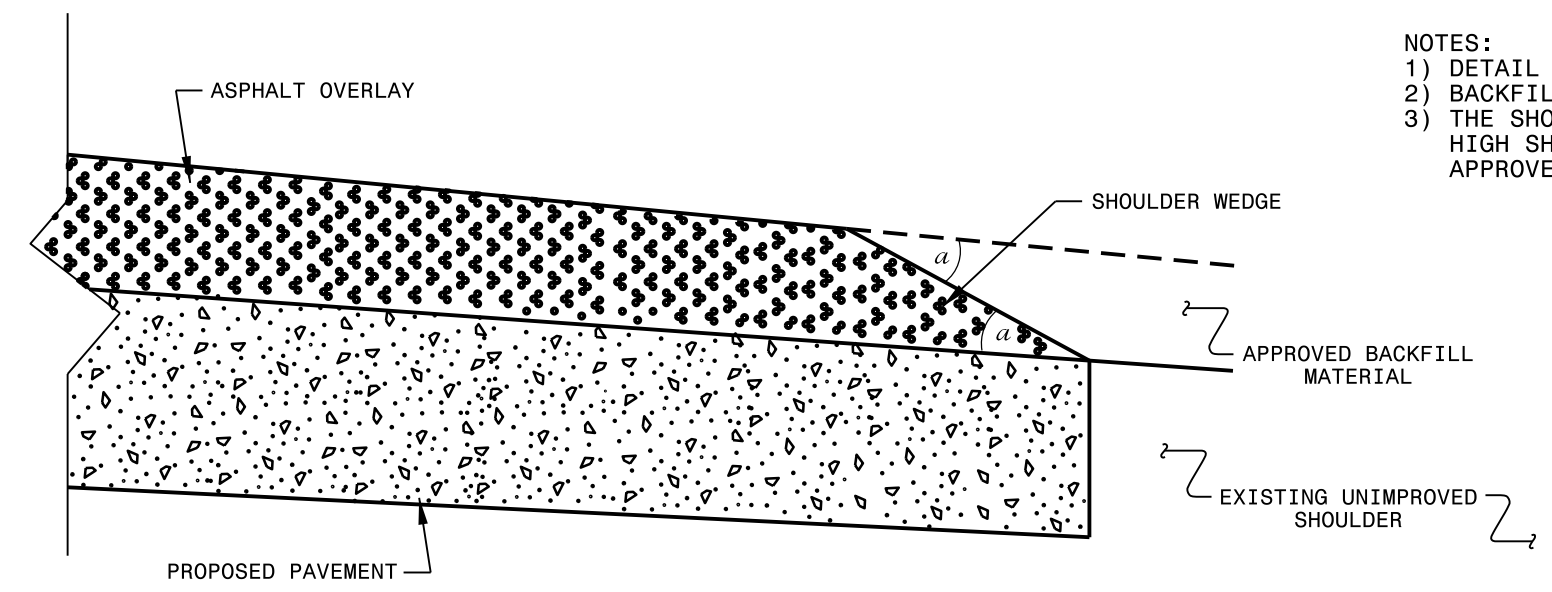
DETAIL NO. 5

REVISIONS

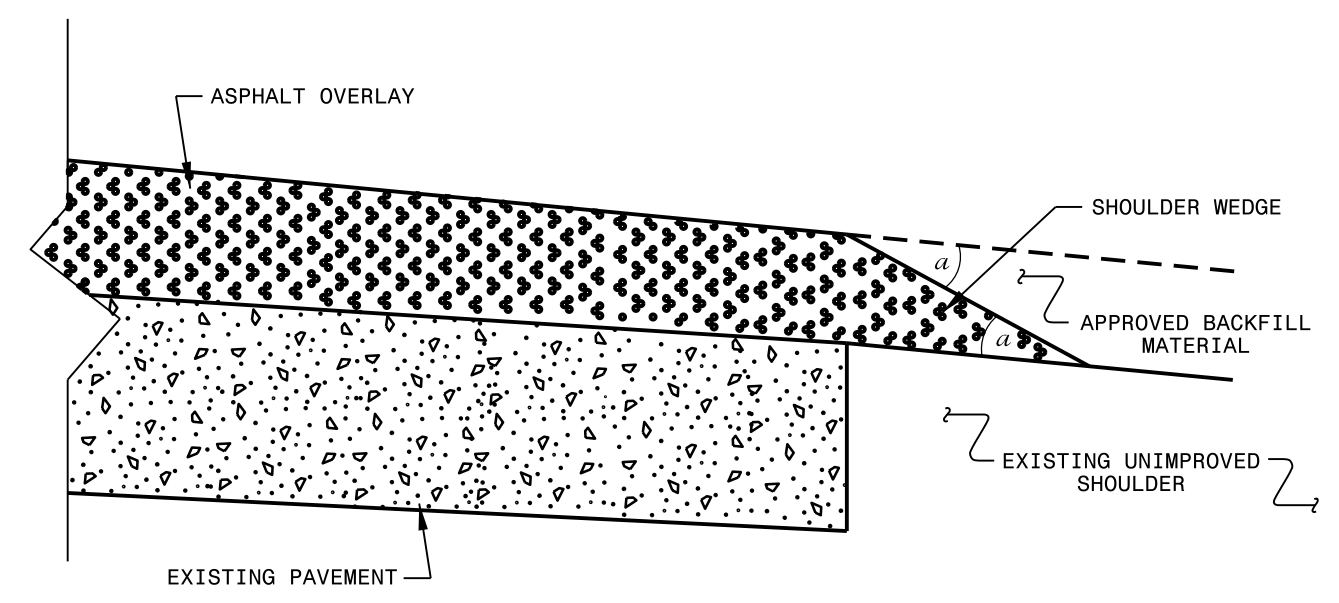
8/17/99

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 \$\$\$\$\$\$PNAME\$\$\$\$\$

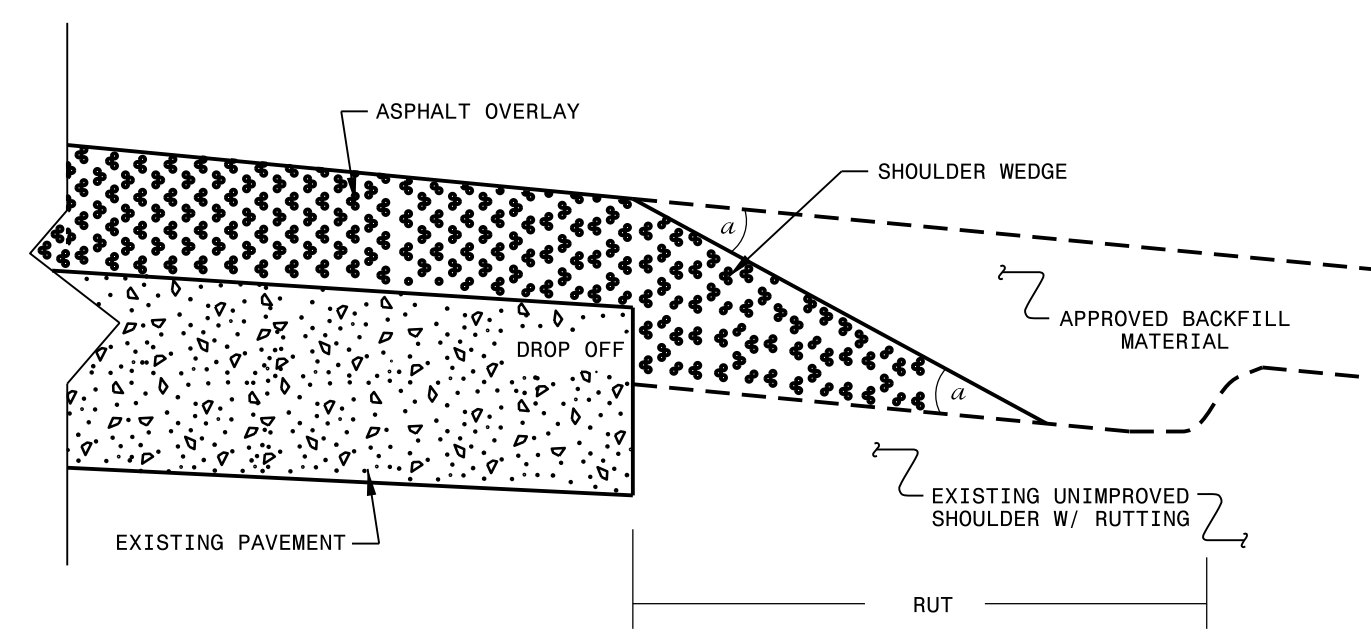
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFc AND ULTRA-THIN BONDED WEARING COURSE.
  - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
  - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



**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			

27 JUN 2018 13:22  
 s:\usr\details\stand\shoulderwedgedetail.dgn  
 3\Sampson August 2018 Revised Shoulder Wedge Detail.dgn  
 2024CPT.03.10.10671, ETC.

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

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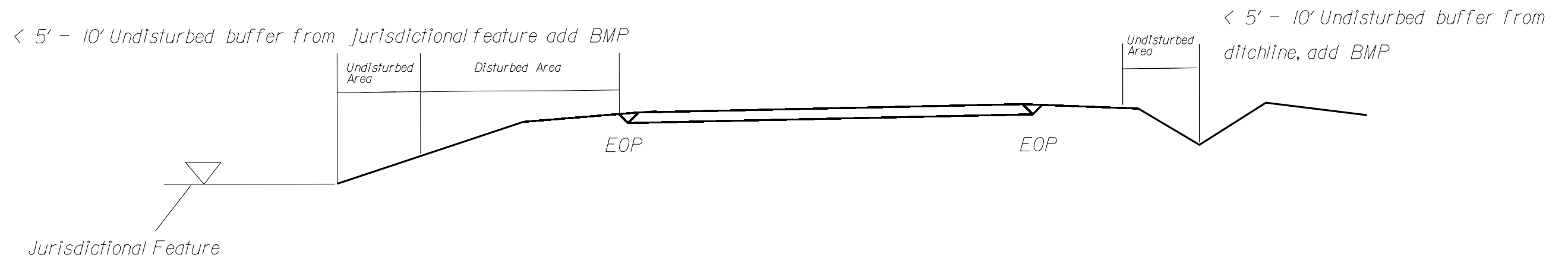
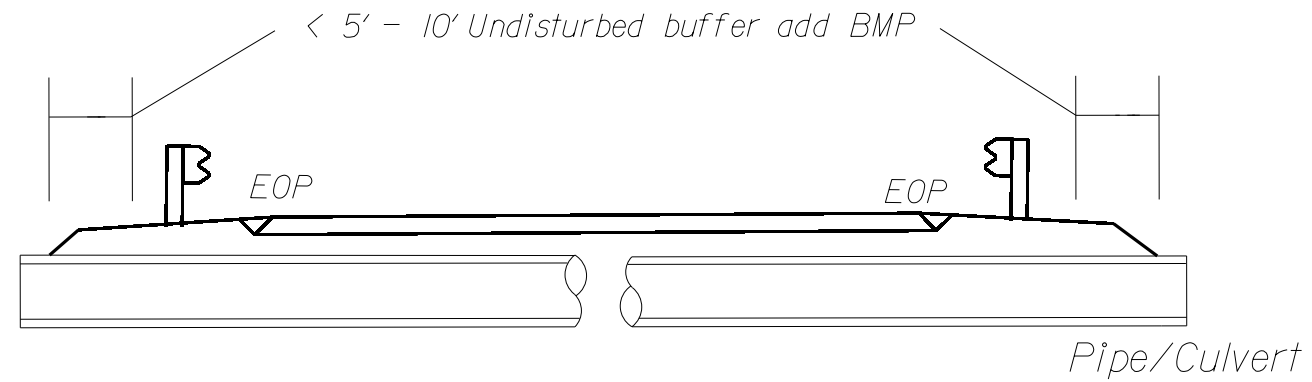
## ***SOIL STABILIZATION TIMEFRAMES***

<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.

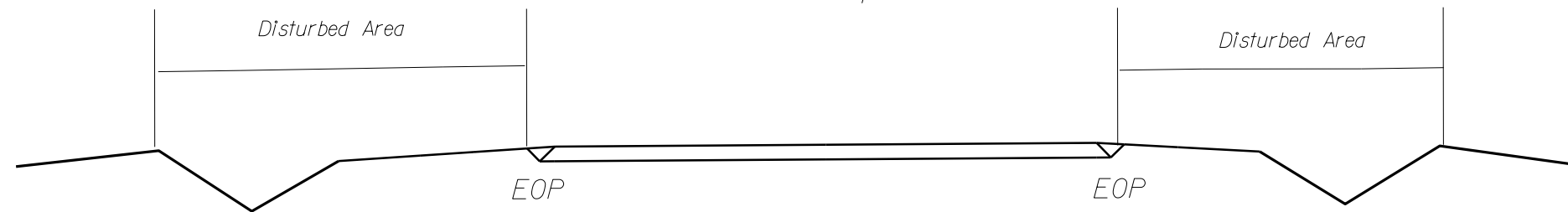
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

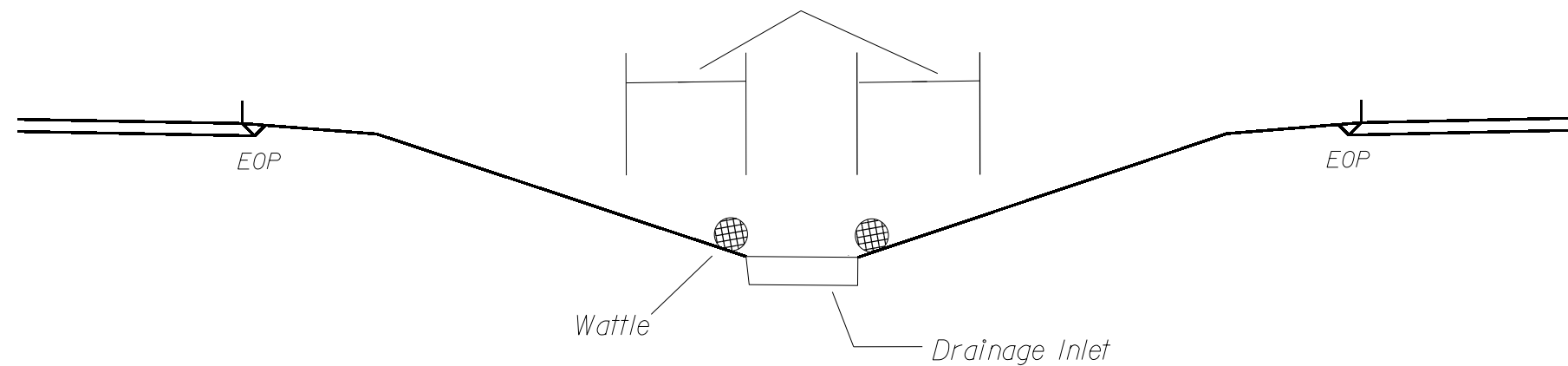
# EROSION CONTROL DETAIL



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

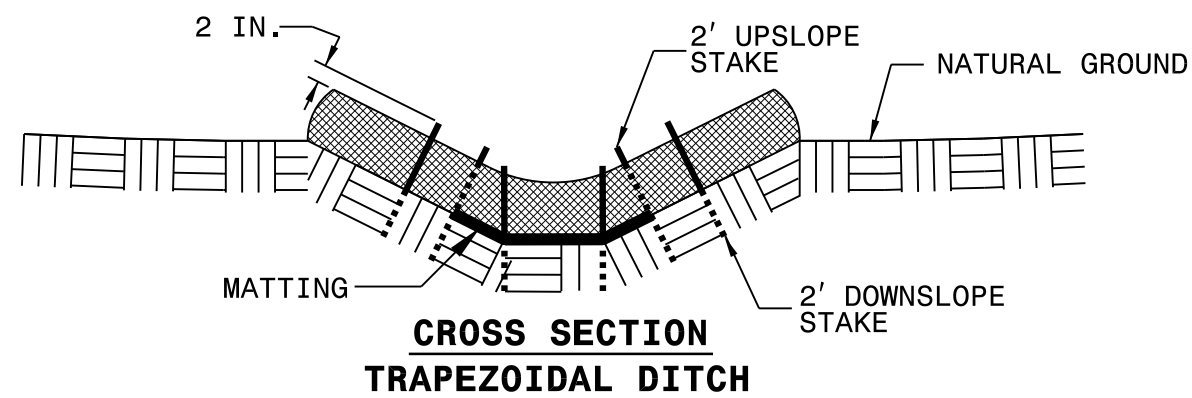
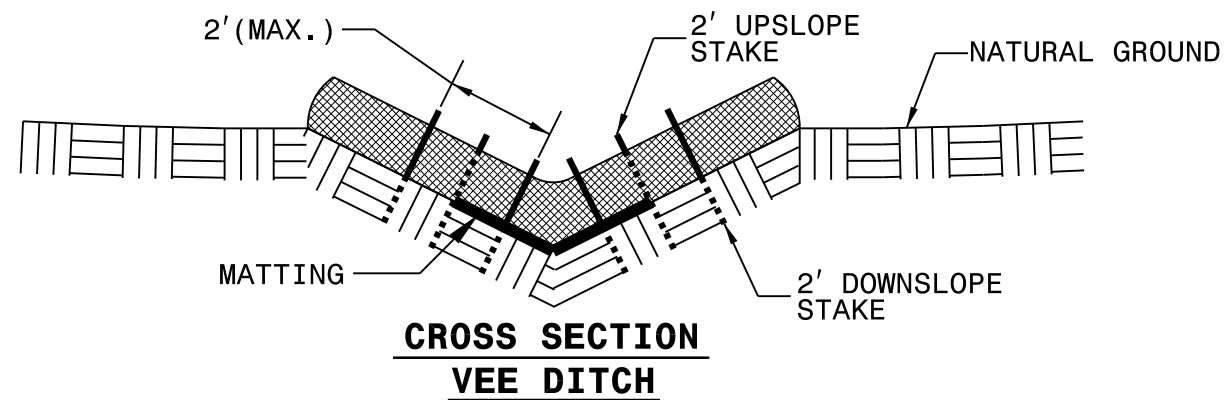
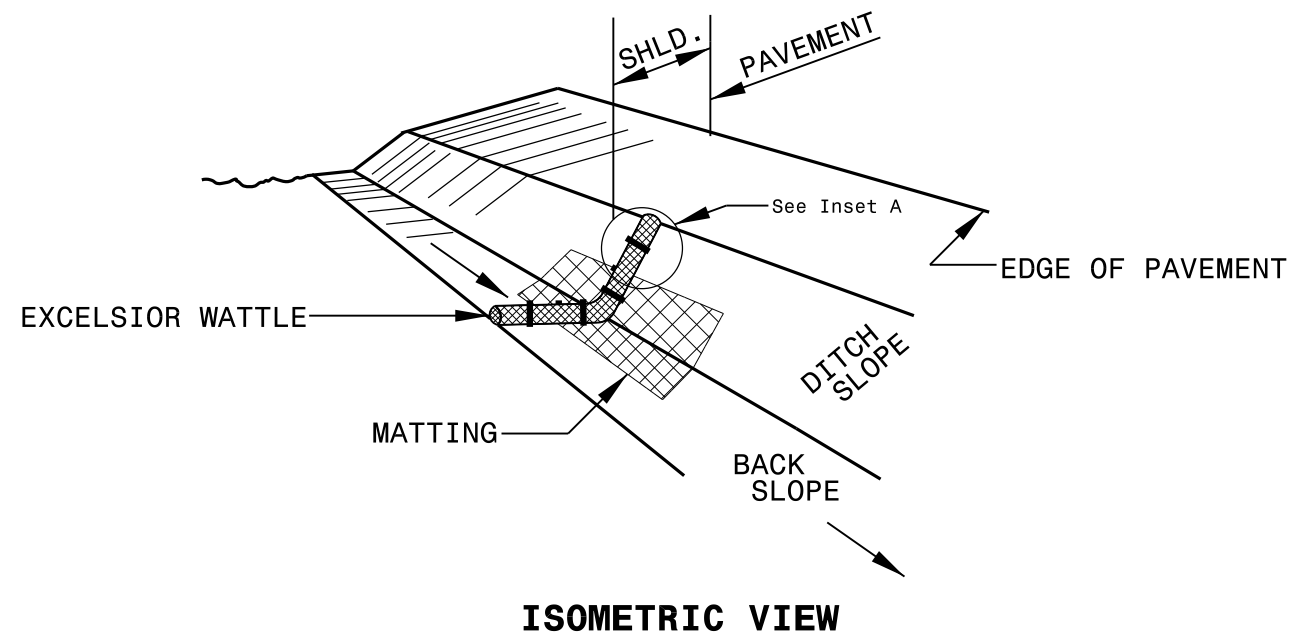


< 5' - 10' Undisturbed buffer from inlet, add wattle



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.

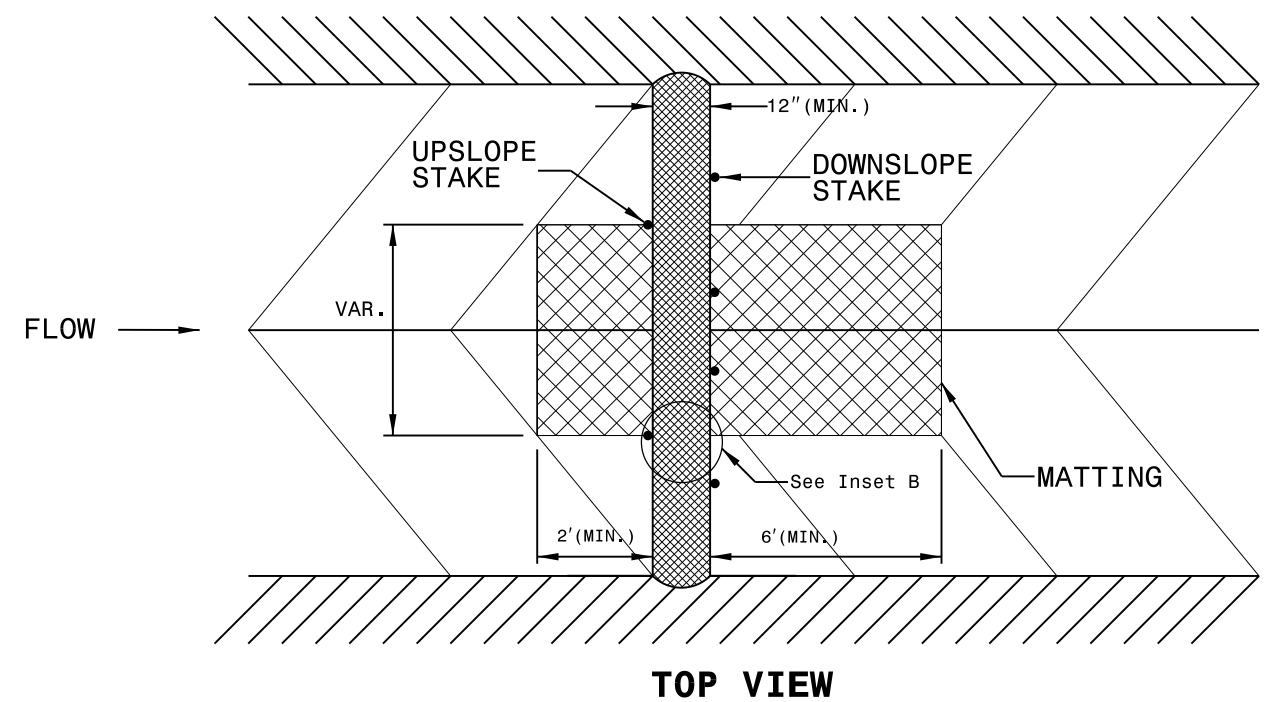
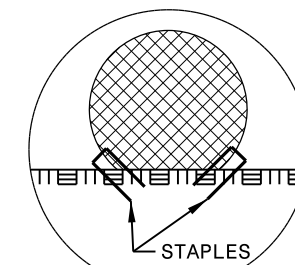
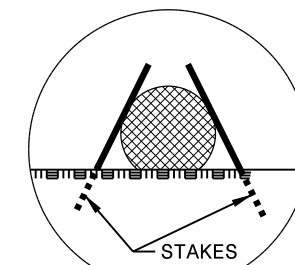
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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.











PROJECT NO.	SHEET NO.
2024CPT.03.10.10671, ETC.	14

**THERMOPLASTIC AND PAINT QUANTITIES**

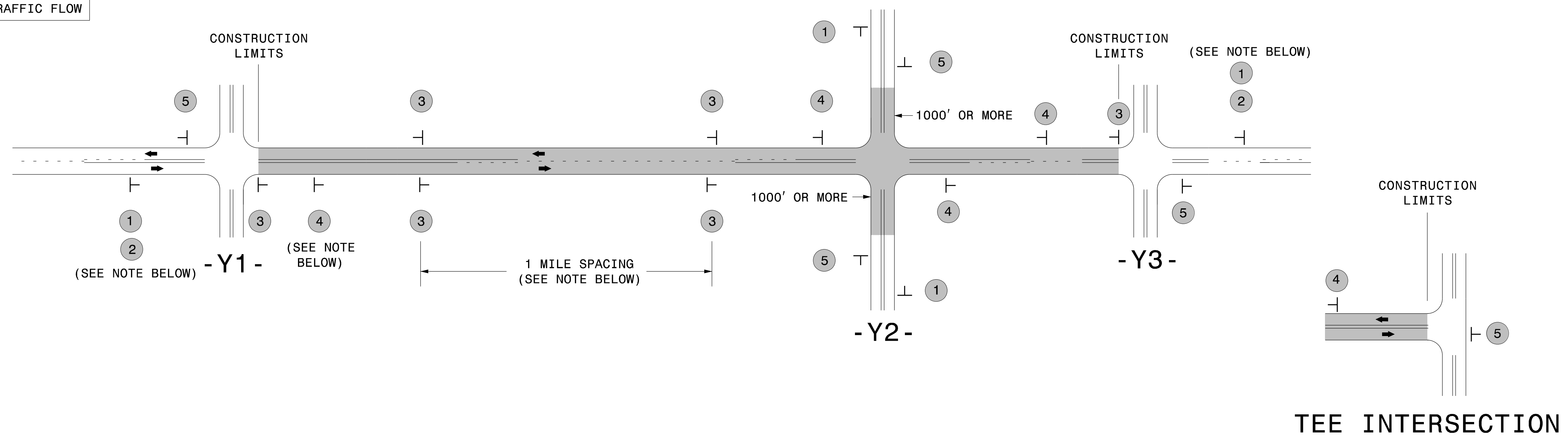
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4905100000-N		4905500000-N	
												NON CAST IRON SNOWPLOWABLE MARKERS (Y/Y)	NON CAST IRON SNOWPLOWABLE MARKERS (C/R)	REPLACE SNOWPLOWABLE PAVEMENT MARKER REFLECTOR	
								MI	FT				EA	EA	EA
2024CPT.03.10.10671	Onslow	1	NC-172 - CIVILIAN SIDE	FROM BEAR CREEK TO NC HWY 24 [MP 22.90 - MP 26.13]	1	2	2WU	3.23	25	22.9	26.13	275	5		
<b>TOTAL FOR MAP NO. 1</b>								<b>3.23</b>				<b>275</b>	<b>5</b>		
<b>TOTAL FOR PROJ NO. 2024CPT.03.10.10671</b>								<b>3.23</b>				<b>275</b>	<b>5</b>	<b>280</b>	
2024CPT.03.10.20671	Onslow	2	SR-1213 / BLUE CREEK RD	FROM NC HWY 258 (RICHLANDS HWY) TO SR 1212 (PONY FARM RD) [MP 0.00 - MP 2.06]	3	2	2WU	2.06	22	0	2.06	144	25		
<b>TOTAL FOR MAP NO. 2</b>								<b>2.06</b>				<b>144</b>	<b>25</b>		
2024CPT.03.10.20671	Onslow	3	SR-1444 / SWANSBORO LOOP RD	FROM SR 1434 (BELGRADE-SWANSBORO RD) TO SR 1445 (NORRIS RD) [MP 0.00 - MP 1.05]	2	2	2WU	1.05	23	0	1.05			10	
<b>TOTAL FOR MAP NO. 3</b>								<b>1.05</b>						<b>10</b>	
2024CPT.03.10.20671	Onslow	4	SR-1447 / MAIN ST EX	FROM NC HWY 24 (W. CORBETT AVE) TO NC HWY 24 (W. CORBETT AVE) [MP 0.00 - MP 1.25]	3	2	2WU	1.25	20	0	1.25	90	5		
<b>TOTAL FOR MAP NO. 4</b>								<b>1.25</b>				<b>90</b>	<b>5</b>		
2024CPT.03.10.20671	Onslow	5	SR-1105 / HAWS RUN RD	FROM SR 1107 (DAWSON CABIN RD) TO NC HWY 53 (BURGAW HWY) [MP 5.53 - MP 9.57]	3	2	2WU	4.04	22	5.53	9.57	275			
<b>TOTAL FOR MAP NO. 5</b>								<b>4.04</b>				<b>275</b>			
<b>TOTAL FOR PROJ NO. 2024CPT.03.10.20671</b>								<b>8.4</b>				<b>509</b>	<b>30</b>	<b>10</b>	
												<b>539</b>			
2024CPT.03.10.20672	Onslow	6	SR-1773 / NOBLE LN	FROM SR 1732 (TOWER DR) TO SR 1406 (PINEY GREEN RD) [MP 0.00 - MP 0.15]	4	2	2WU	0.15	24	0	0.15				
<b>TOTAL FOR MAP NO. 6</b>								<b>0.15</b>							
2024CPT.03.10.20672	Onslow	7	SR-1771 / CASTLE DR	FROM SR 1711 (ROYAL DR) TO SR 1715 (REGALWOOD DR) [MP 0.00 - MP 0.26]	4	2	2WU	0.26	24	0	0.26				
<b>TOTAL FOR MAP NO. 7</b>								<b>0.26</b>							
2024CPT.03.10.20672	Onslow	8	SR-1713 / THAMES DR	FROM SR 1708 (COUNTRY CLUB RD) TO SR 1715 (REGALWOOD DR) [MP 0.00 - MP 0.31]	6	2	2WU	0.31	24	0	0.31				
<b>TOTAL FOR MAP NO. 8</b>								<b>0.31</b>							
2024CPT.03.10.20672	Onslow	9	SR-1709 / KNIGHT PL	FROM SR 1732 (TOWER DR) TO CUL-DE-SAC [MP 0.00 - MP 0.22]	4	2	2WU	0.22	24	0	0.22				
<b>TOTAL FOR MAP NO. 9</b>								<b>0.22</b>							
2024CPT.03.10.20672	Onslow	10	SR-1828 / HAMPTON CT	FROM SR 1715 (REGALWOOD DR) TO CUL-DE-SAC [MP 0.00 - MP 0.15]	5	2	2WU	0.15	24	0	0.15				
<b>TOTAL FOR MAP NO. 10</b>								<b>0.15</b>							
2024CPT.03.10.20672	Onslow	11	SR-1716 / DUFF CT	FROM SR 1715 (REGALWOOD DR) TO CUL-DE-SAC [MP 0.00 - MP 0.04]	6	2	2WU	0.04	24	0	0.04				
<b>TOTAL FOR MAP NO. 11</b>								<b>0.04</b>							
2024CPT.03.10.20672	Onslow	12	SR-1712 / BERKS CT	FROM SR 1708 (COUNTRY CLUB RD) TO CUL-DE-SAC [MP 0.00 - MP 0.04]	6	2	2WU	0.04	24	0	0.04				
<b>TOTAL FOR MAP NO. 12</b>								<b>0.04</b>							
2024CPT.03.10.20672	Onslow	13	SR-1714 / KERRY CT	FROM SR 1713 (THAMES DR) TO CUL-DE-SAC [MP 0.00 - MP 0.04]	6	2	2WU	0.04	24	0	0.04				
<b>TOTAL FOR MAP NO. 13</b>								<b>0.04</b>							
2024CPT.03.10.20672	Onslow	14	SR-1733 / LANCE CT	FROM SR 1708 (COUNTRY CLUB RD) TO CUL-DE-SAC [MP 0.00 - MP 0.16]	6	2	2WU	0.16	24	0	0.16				
<b>TOTAL FOR MAP NO. 14</b>								<b>0.16</b>							
2024CPT.03.10.20672	Onslow	15	SR-1774 / NOBLE CT	FROM SR 1773 (NOBLE LN) TO CUL-DE-SAC [MP 0.00 - MP 0.04]	4	2	2WU	0.04	24	0	0.04				
<b>TOTAL FOR MAP NO. 15</b>								<b>0.04</b>							
2024CPT.03.10.20672	Onslow	16	SR-1775 / REX CT	FROM SR 1715 (REGALWOOD DR) TO CUL-DE-SAC [MP 0.00 - MP 0.05]	4	2	2WU	0.05	24	0	0.05				
<b>TOTAL FOR MAP NO. 16</b>								<b>0.05</b>							
<b>TOTAL FOR PROJ NO. 2024CPT.03.10.20672</b>								<b>1.46</b>							
<b>GRAND TOTAL</b>								<b>13.09</b>				<b>784</b>	<b>35</b>	<b>10</b>	
												<b>819</b>			

# SIGNING FOR RESURFACING PROJECTS

**LEGEND**

┃ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW



## MAINLINE (-L-) SIGNING

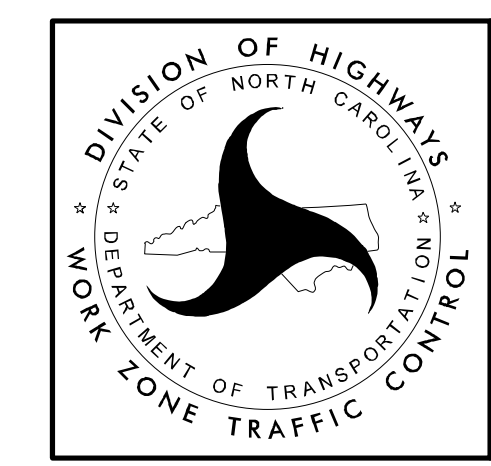
## -Y- LINE SIGNING

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.	NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:  1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS  WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.  <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">                       W20-1                      48" X 48"                      PLACED 500' IN ADVANCE OF FLAGGER.                 </div> <div style="text-align: center;">                       W20-7 A                      48" X 48"                      PLACED 250' IN ADVANCE OF FLAGGER.                 </div> </div>
	2	 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"	- 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"	- 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**