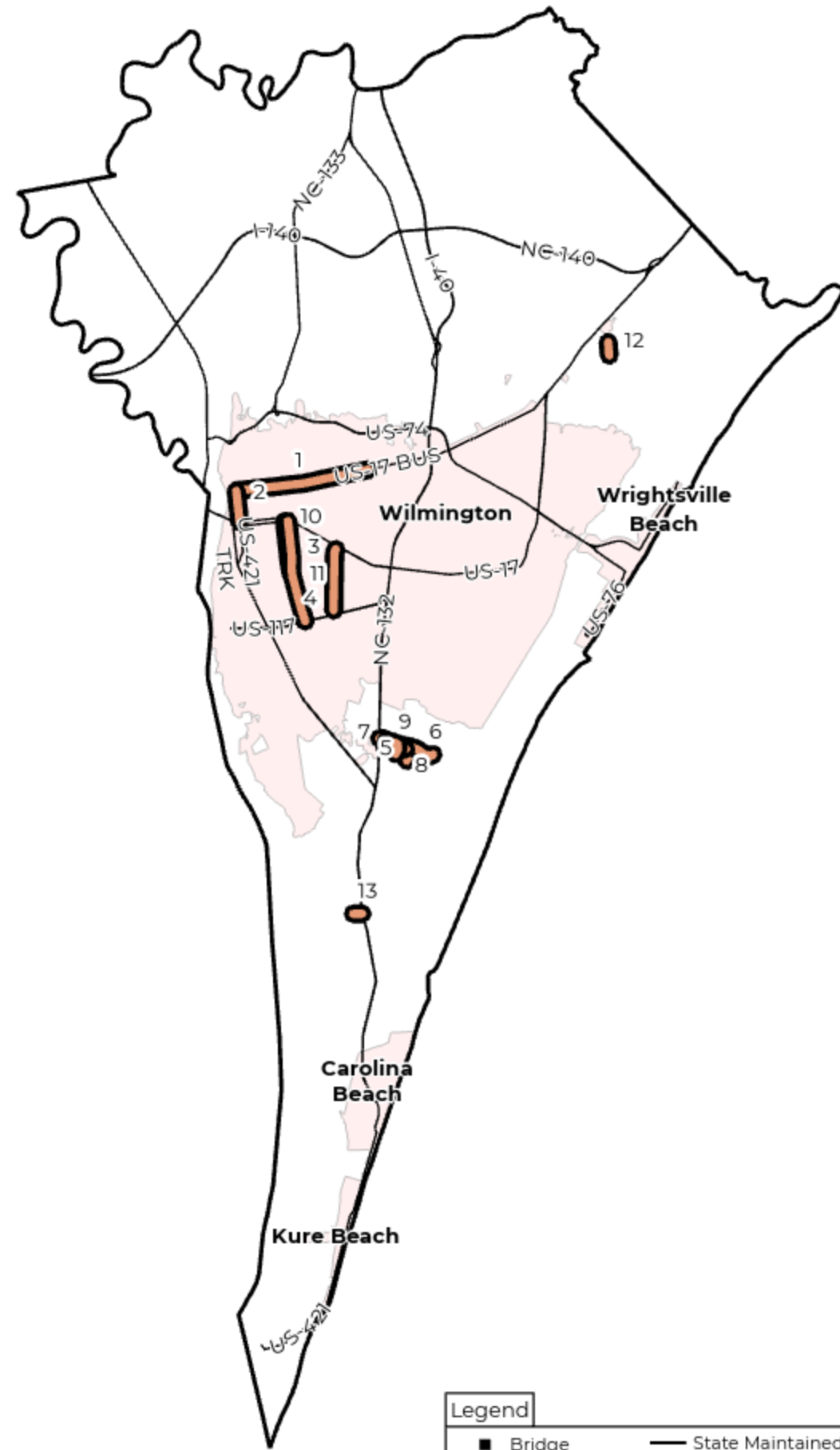
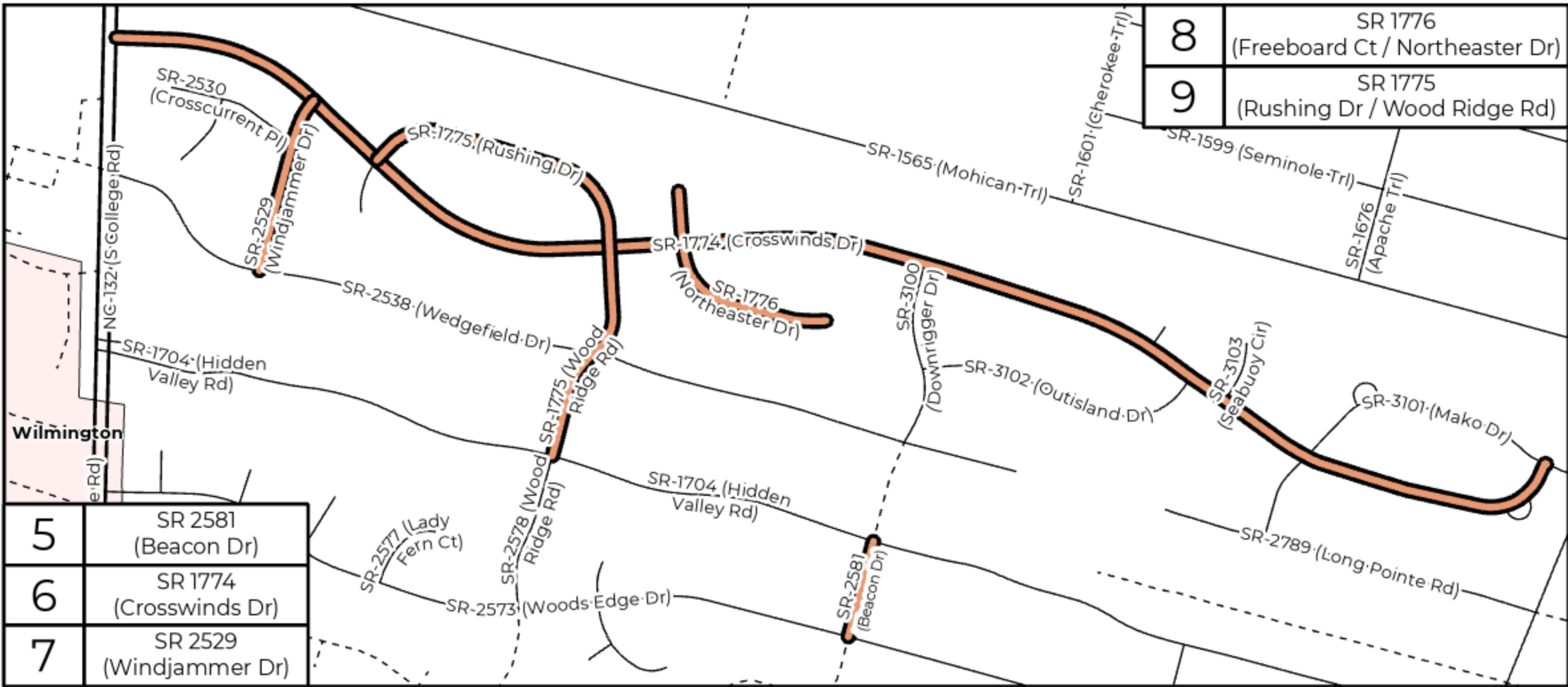
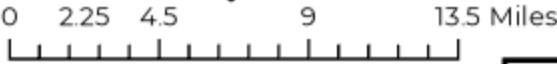
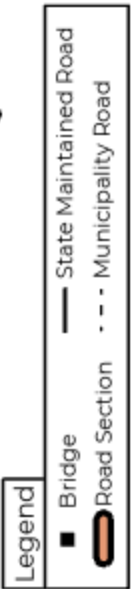
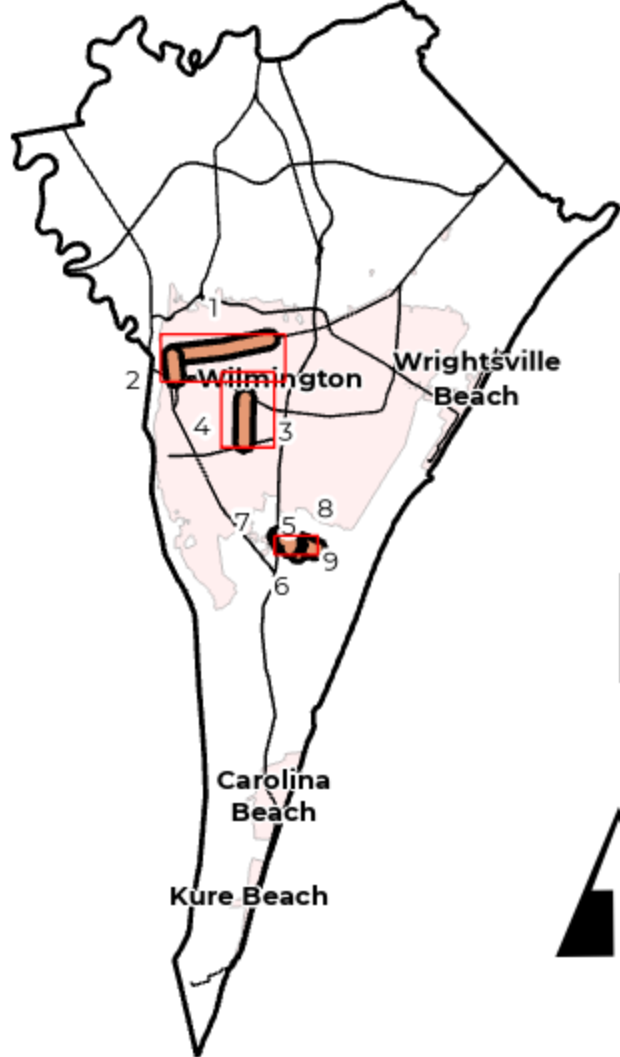


# New Hanover County 1 - 13



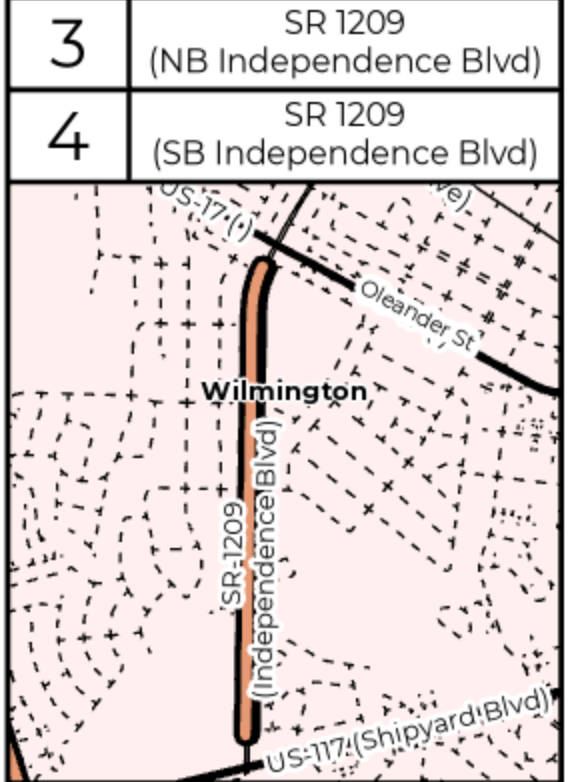
Map Number	Page Number	Route
1	2	US 17 BUSINESS (MARKET STREET)
2	2	US 17 BUSINESS (THIRD STREET)
3	2	SR 1209 (NB INDEPENDENCE BOULEVARD)
4	2	SR 1209 (SB INDEPENDENCE BOULEVARD)
5	2	SR 2581 (BEACON DRIVE)
6	2	SR 1774 (CROSSWINDS DRIVE)
7	2	SR 2529 (WINDJAMMER DRIVE)
8	2	SR 1776 (FREEBOARD COURT/NORTHEAST)
9	2	SR 1775 (RUSHING DRIVE)
10	3	SR 1216 (16TH STREET)
11	3	SR 1217 (17TH STREET)
12	3	SR 1849 (SCORPION DR.)
13	3	SR 2400 (SAGO BAY DR.)

# New Hanover County 1 - 9

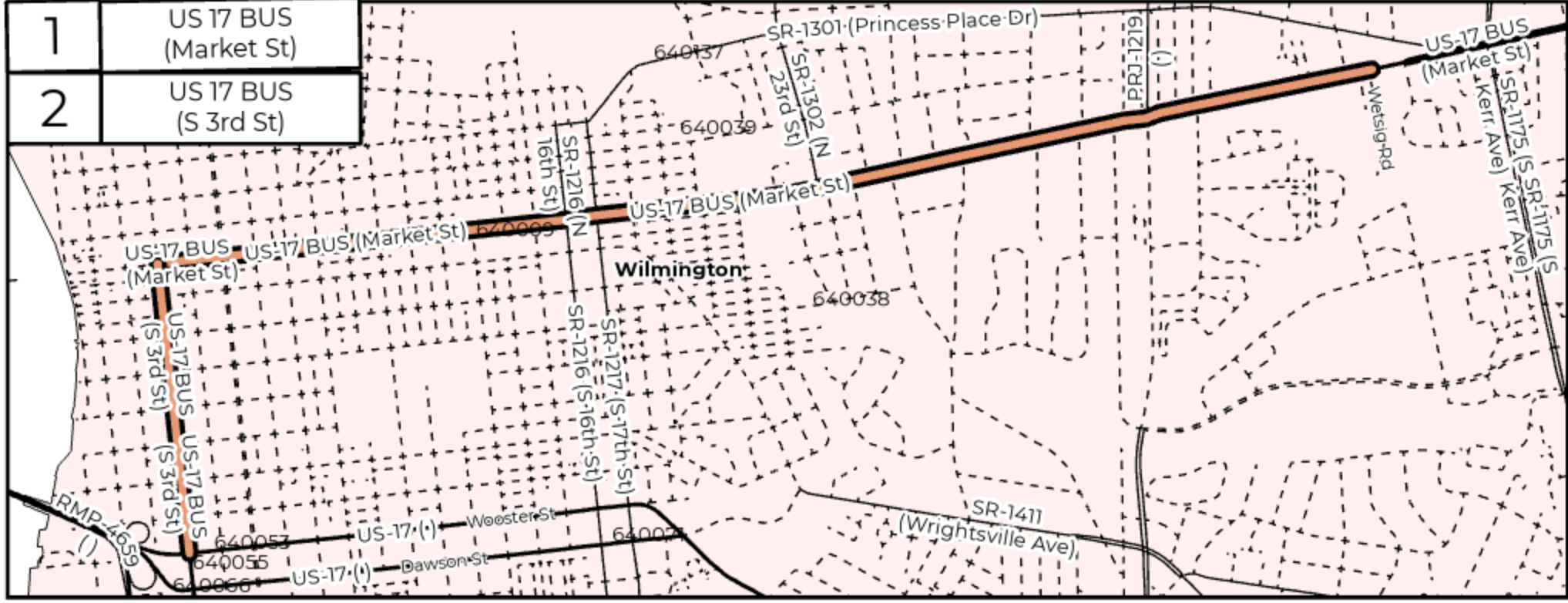


5	SR 2581 (Beacon Dr)
6	SR 1774 (Crosswinds Dr)
7	SR 2529 (Windjammer Dr)

8	SR 1776 (Freeboard Ct / Northeast Dr)
9	SR 1775 (Rushing Dr / Wood Ridge Rd)

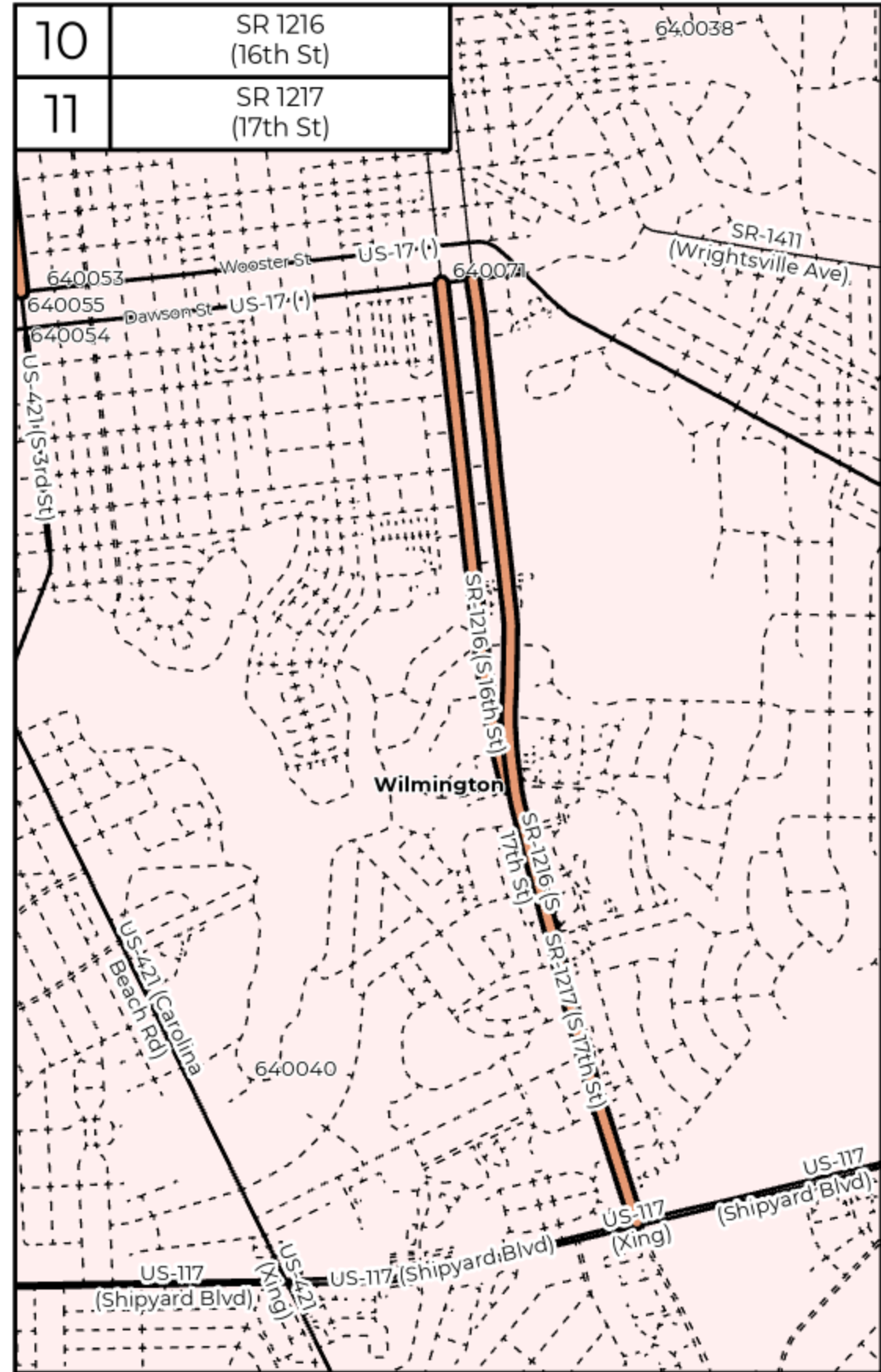
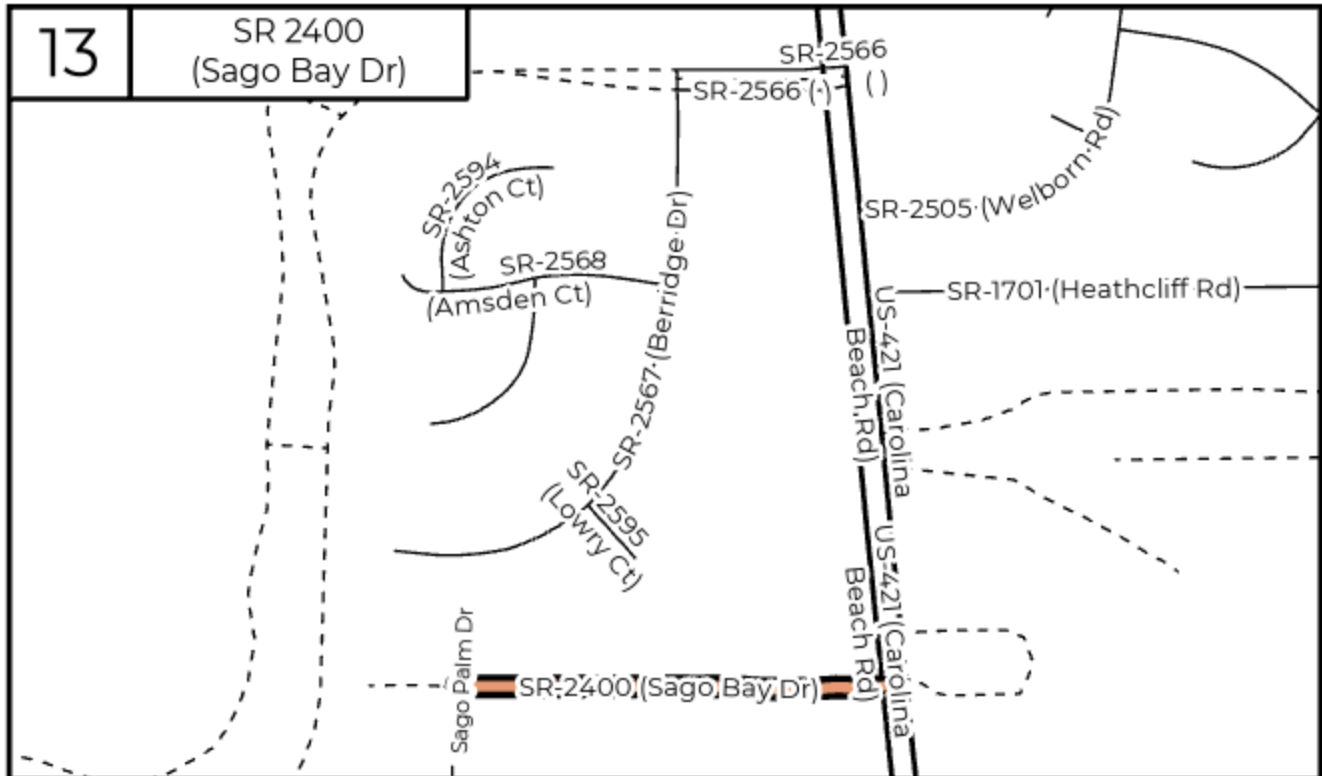
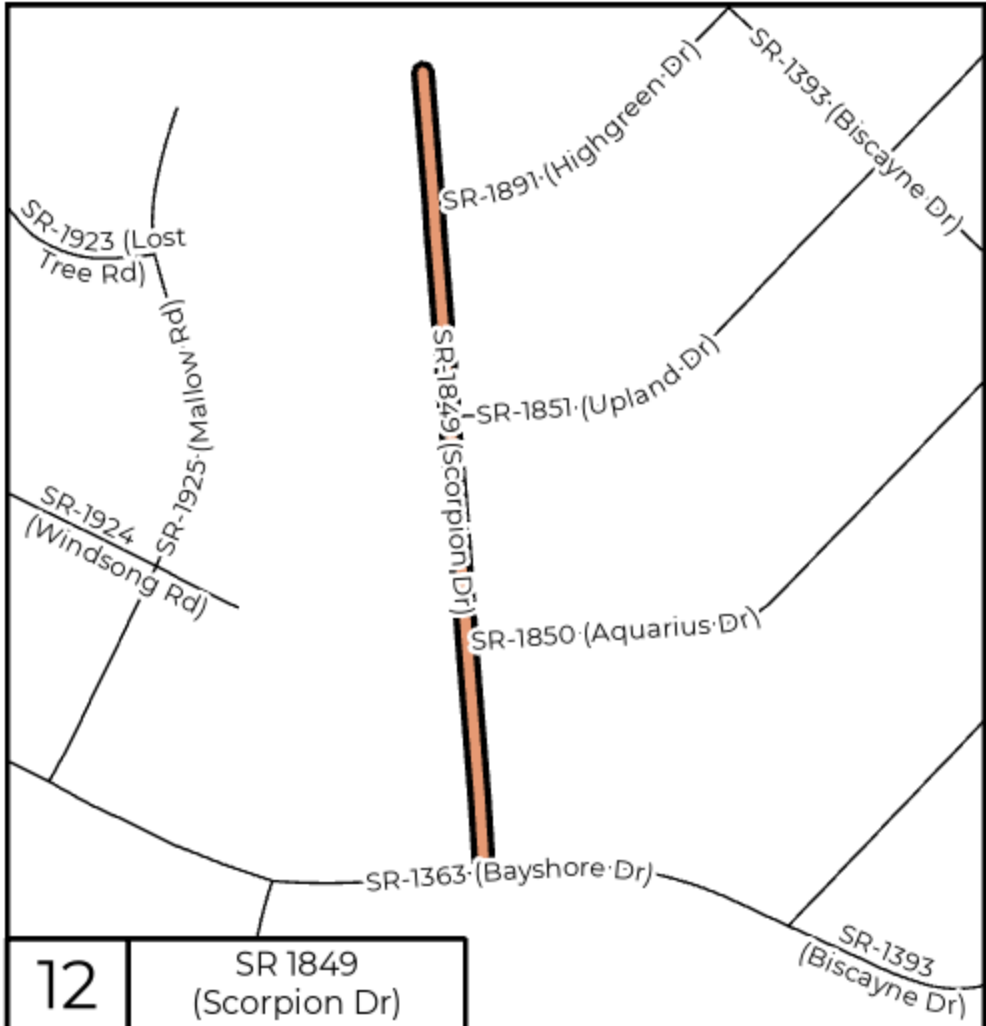
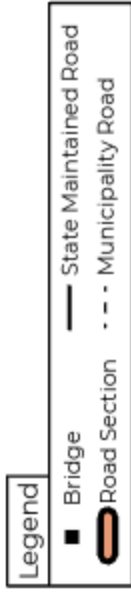
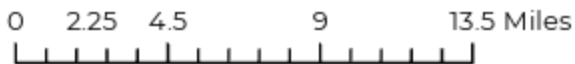
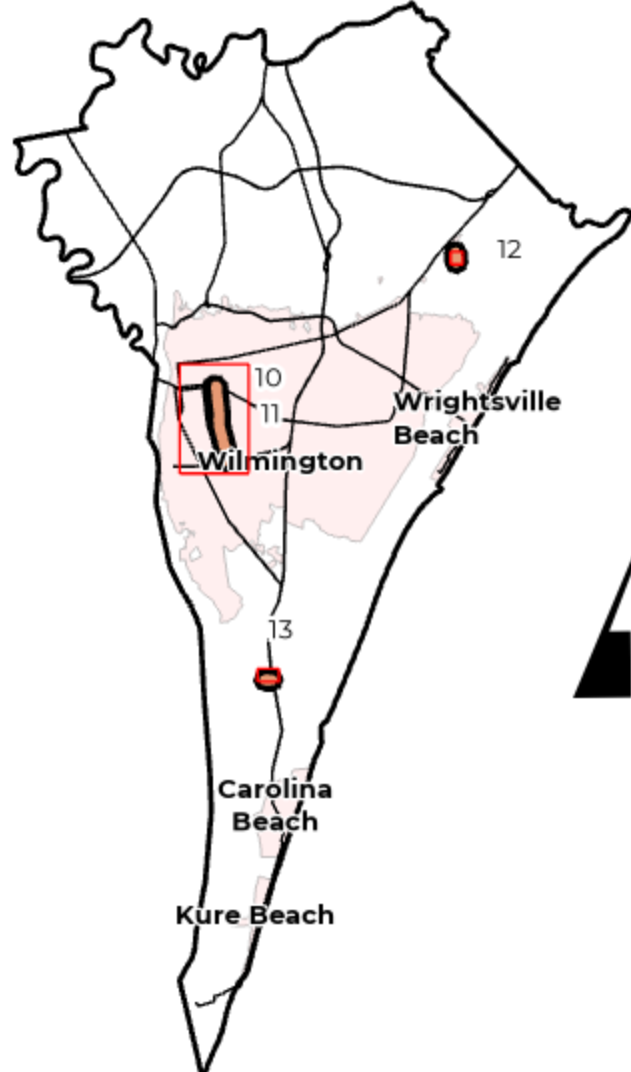


3	SR 1209 (NB Independence Blvd)
4	SR 1209 (SB Independence Blvd)

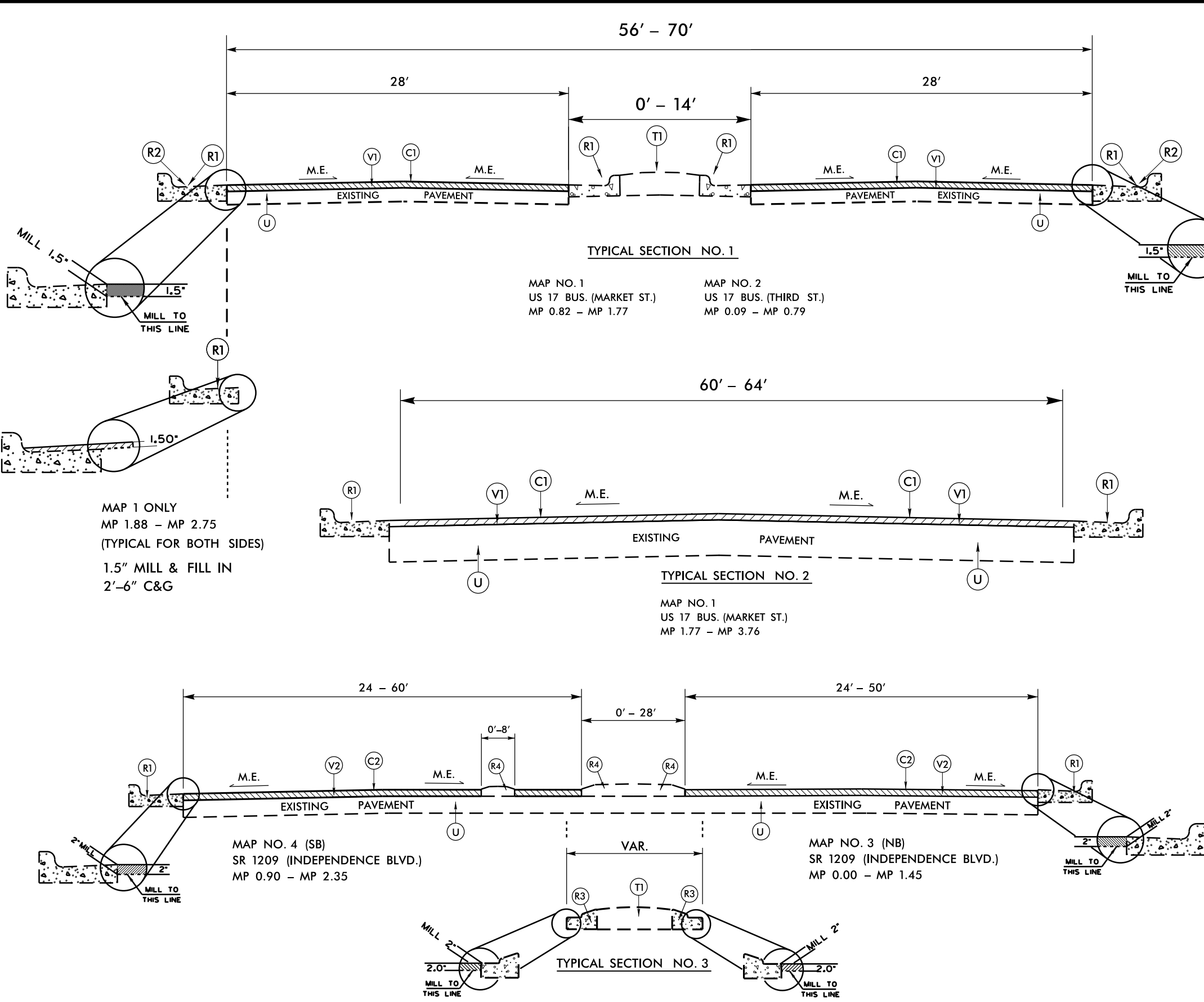


1	US 17 BUS (Market St)
2	US 17 BUS (S 3rd St)

# New Hanover County 10 - 13



8/17/99  
 18-AUG-2021 14:39  
 S:\Division\Resurfacing\Resurfacing Data\2021\Resurfacing\NEW\_HANOVER\_FALL\_LET\2021CPT.03.26.10651.Rdy\_tup.dgn  
 11/03/2021 10:32:50  
 sobh



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

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

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. 2" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ.YD.
C3	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
C4	PROP. APPROX. 1¼" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ.YD.
C5	PROP. APPROX. 1" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S4.75A, AT AN AVERAGE RATE OF 110.0 LBS. PER SQ.YD.
R1	EXISTING CONCRETE 2'-6" CURB & GUTTER
R2	EXISTING GRANITE CURB
R3	EXISTING CONCRETE 1'-6" CURB & GUTTER
R4	EXISTING CONCRETE MONOLITHIC ISLAND
R5	EXISTING VALLEY CURB
R6	EXISTING ASPHALT CURB
T1	EXISTING EARTH MATERIAL
T2	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
U	EXISTING PAVEMENT
V1	MILLING ASPHALT PAVEMENT, 1½" DEPTH
V2	MILLING ASPHALT PAVEMENT, 2" DEPTH
V3	VARIABLE MILLING 0" TO 1½" DEPTH
V4	VARIABLE MILLING 0" TO 1¼" DEPTH

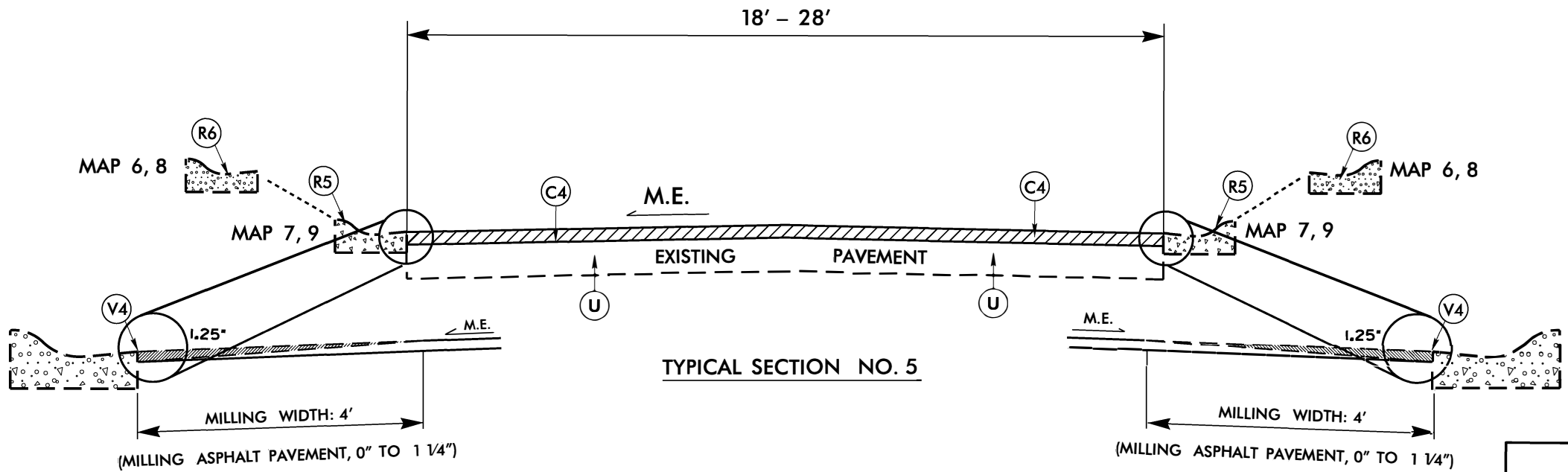
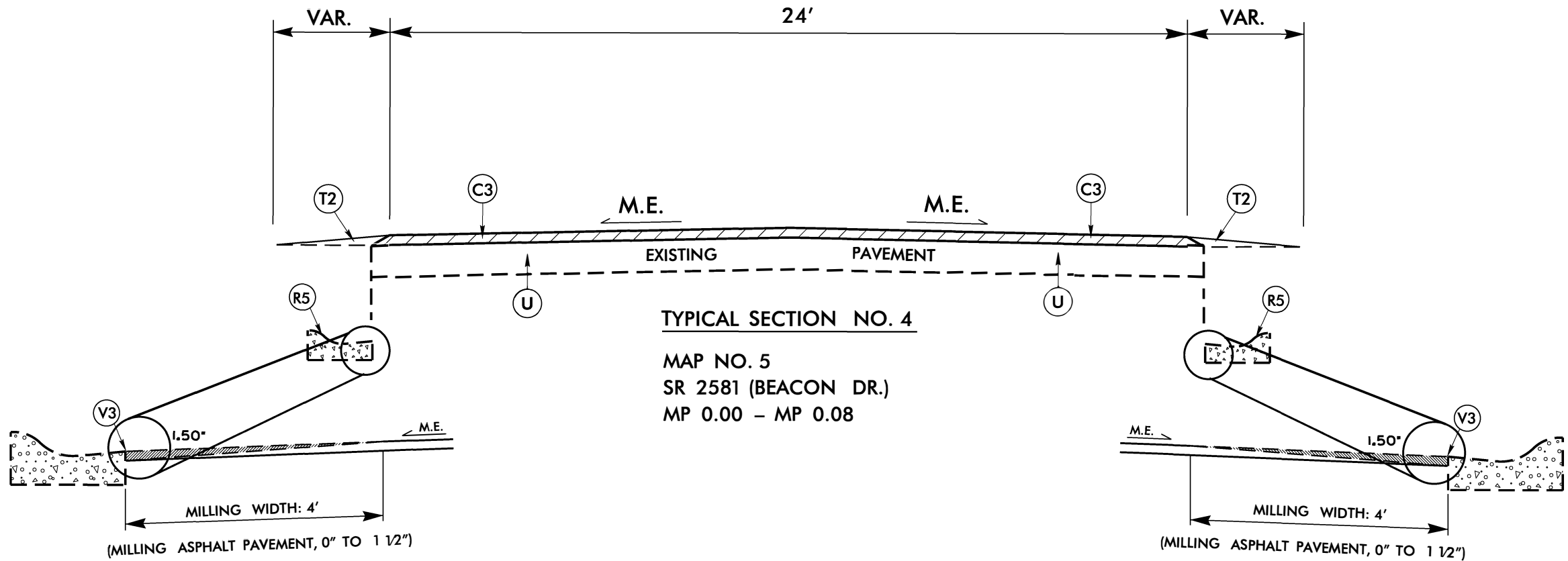
MAP 1 ONLY  
 MP 1.88 - MP 2.75  
 (TYPICAL FOR BOTH SIDES)  
 1.5" MILL & FILL IN  
 2'-6" C&G

MAP NO. 4 (SB)  
 SR 1209 (INDEPENDENCE BLVD.)  
 MP 0.90 - MP 2.35

MAP NO. 3 (NB)  
 SR 1209 (INDEPENDENCE BLVD.)  
 MP 0.00 - MP 1.45

REVISIONS

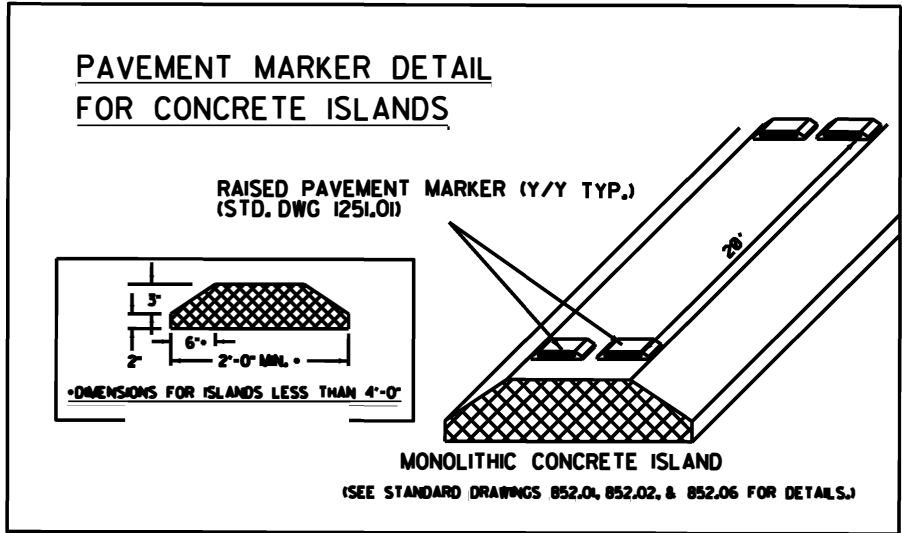
PAVEMENT SCHEDULE	
C3	1½" S9.5B
C4	1¼" S9.5B
R5	EXISTING VALLEY CURB
R6	EXISTING ASPHALT CURB
T2	EARTH MATERIAL SHOULDER RECONST.
U	EXISTING PAVEMENT
V3	VARIABLE MILLING 0" TO 1½" DEPTH
V4	VARIABLE MILLING 0" TO 1¼" DEPTH



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

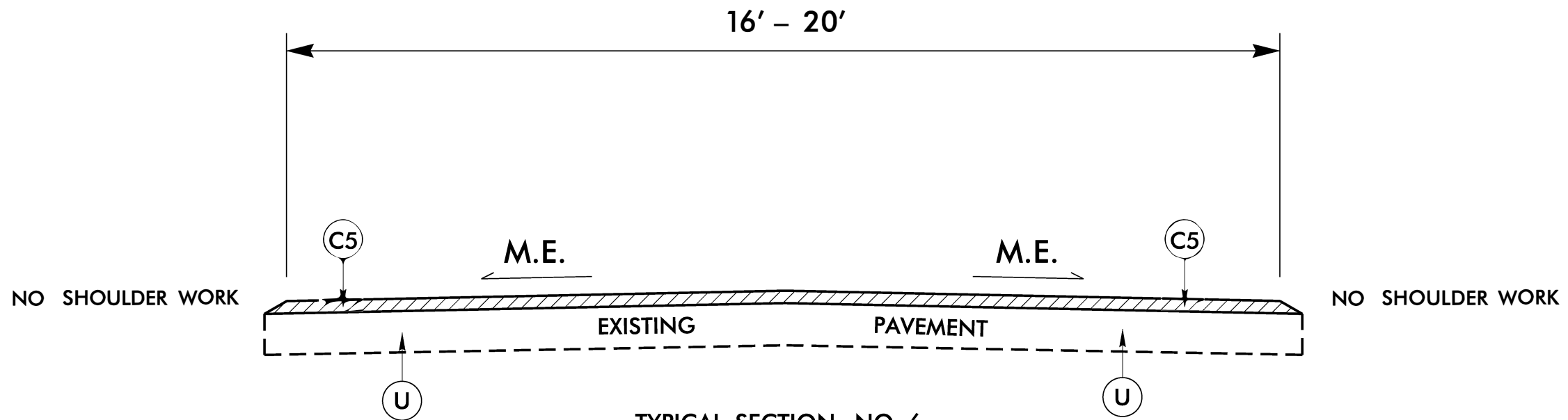
NOTES: SHOULDER WORK ON MAP NO. 5 AS NEEDED, TO BE DETERMINED BY ENGINEER.

ALL MILLING ON THESE MAP MUST BE PAVED BACK WITHIN TWO (2) WEEKS.



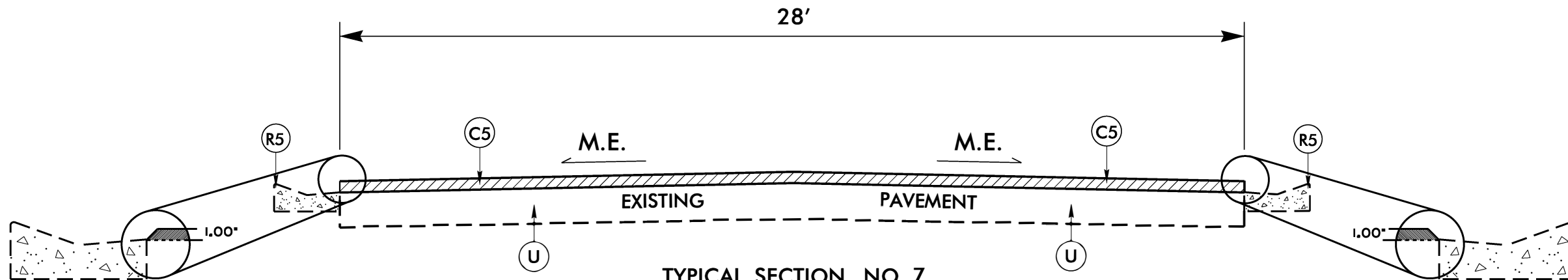
REVISIONS

18-AUG-2021 14:29 S:\D\Y\1510P Resurfacing Data\2021 Resurfacing\NEW HANOVER\2021 NEW HANOVER FALL LET\2021CPT.03.26.10651.Rdy\_tup.dgn 8/17/99



**TYPICAL SECTION NO. 6**

MAP NO. 12  
SR 1849 (SCORPION DR.)  
MP 0.00 - MP 0.30



**TYPICAL SECTION NO. 7**

MAP NO. 13  
SR 2400 (SAGO BAY DR.)  
MP 0.00 - MP 0.21

PAVEMENT SCHEDULE	
C5	1" S4.75A
R5	EXISTING VALLEY CURB
U	EXISTING PAVEMENT

**\*MILL PATCH ONLY**

MAP NO. 10  
SR 1216 (16TH ST.)  
MP 1.02 - MP 3.29

MAP NO. 11  
SR 1217 (17TH ST.)  
MP 0.00 - MP 2.27

**2018 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, 2018 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
848.01	Concrete Sidewalk
848.05	Curb Ramp - Proposed Curb & Gutter
848.06	Curb Ramp - Existing Curb & Gutter

DIVISION 12 - PVMT MARKING, MARKERS AND DELINEATION	
1205.08	Pavement Markings - Symbols & Word Messages

EFF. 01-16-2018  
REV.

REVISIONS

17-AUG-2021 20:24  
S:\0\Division\Resurfacing Data\2021  
Resurfacing\NEW\_HANOVER\FALL LET\2021\CPT.03.26.10651.Rdy\_tup.dgn  
17-AUG-2021 20:24  
S:\0\Division\Resurfacing Data\2021  
Resurfacing\NEW\_HANOVER\FALL LET\2021\CPT.03.26.10651.Rdy\_tup.dgn

28-NOV-2017 10:49  
 S:\Division Resurfacing\z Design Standards & CADD\CADD\_Specs.Dwg\Tutorials\_Curb, Etc.dgn  
 8/17/99  
 REVISIONS  
 \$\$\$SUSPENSE\$\$\$

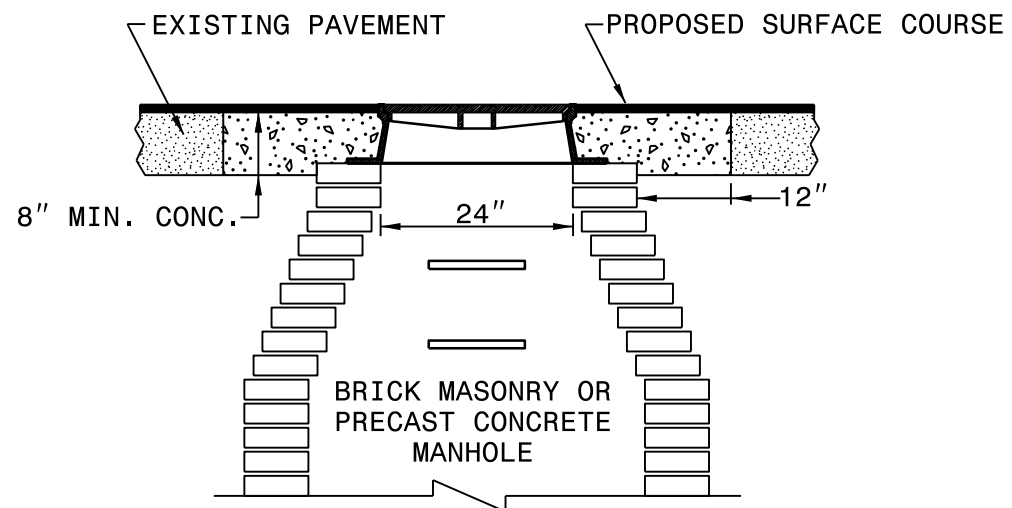
STATE OF NORTH CAROLINA  
 DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR  
**MANHOLE AND VALVE BOX ADJUSTMENTS**

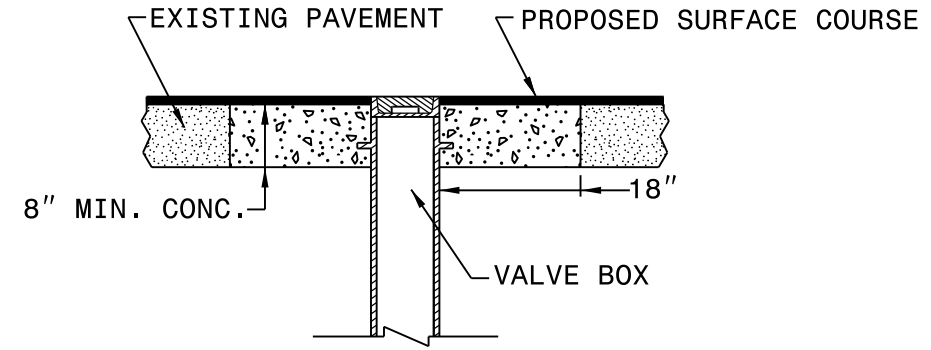
SHEET 1 OF 1  
**840D55**

GENERAL NOTES:

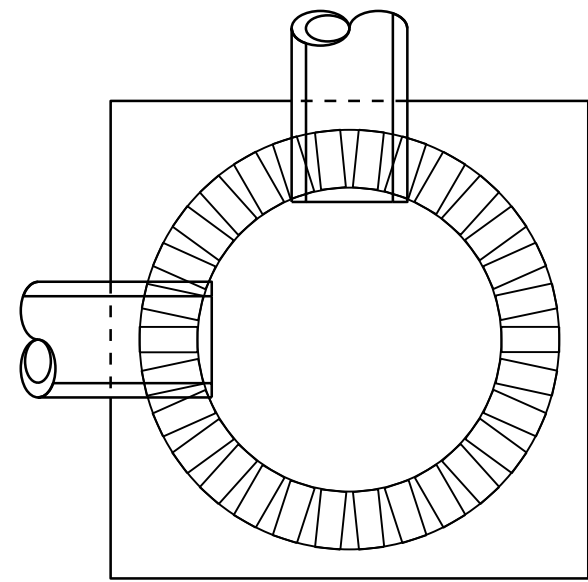
1. USE RAPID SET GROUT, MORTAR, OR CONCRETE THAT WILL TAKE FULL SET AND BECOME LOAD BEARING WITHIN SIXTY MINUTES OF PLACEMENT WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
2. REMOVE ALL FAULTY EXISTING BRICKWORK AND REPLACE WITH NEW BRICK MASONRY.
3. SHEER CUT EXCAVATION FOR THE ADJUSTMENT ON ALL SIDES.
4. FILL AREA BELOW 8" DEPTH WITH 78M OR NO. 57 CLEAN STONE.
5. MIX MORTAR TO NCDOT SPECIFICATIONS.
6. MORTAR JOINTS  $\frac{1}{2}$ " +/-  $\frac{1}{8}$ "
7. CONSTRUCT AN ASPHALT RAMP IN ACCORDANCE WITH SECTION 858-3 OF THE 2018 STANDARD SPECIFICATIONS.



**MANHOLE CONCRETE ENCASEMENT**



**VALVE BOX CONCRETE ENCASEMENT**



**ELEVATION VIEW**

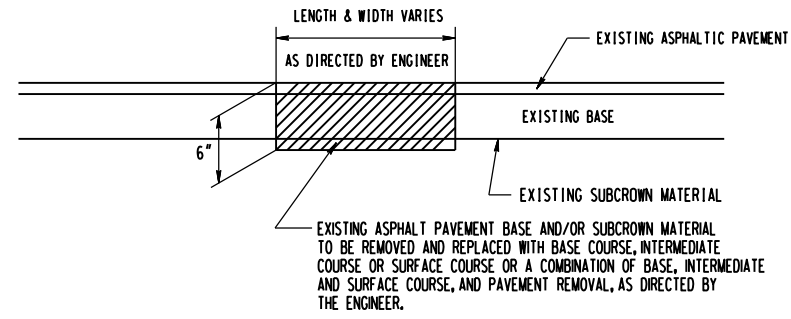
PLACE BRICK ACCORDING TO ELEVATION VIEW

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

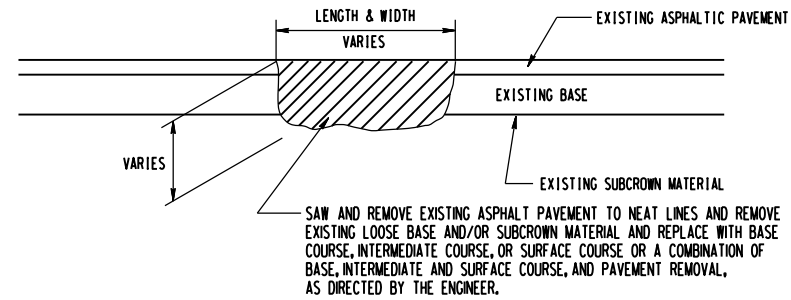
ENGLISH DETAIL DRAWING FOR  
**MANHOLE AND VALVE BOX ADJUSTMENTS**

SHEET 1 OF 1  
**840D55**

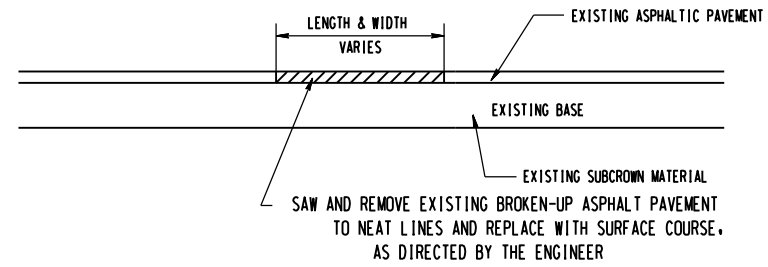
DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



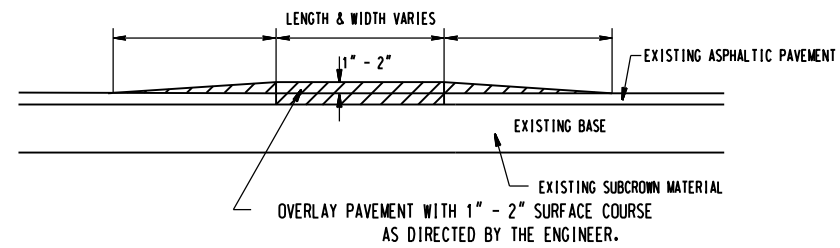
DETAIL NO. 1



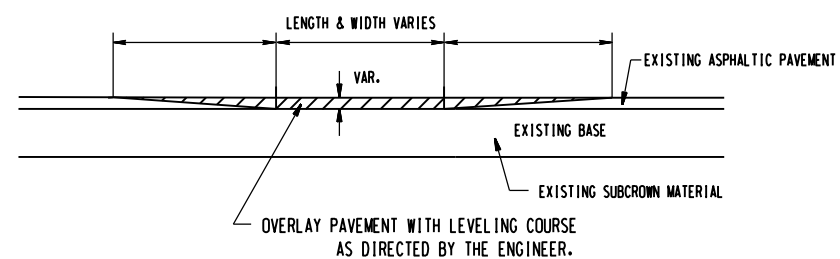
DETAIL NO. 2



DETAIL NO. 3



DETAIL NO. 4



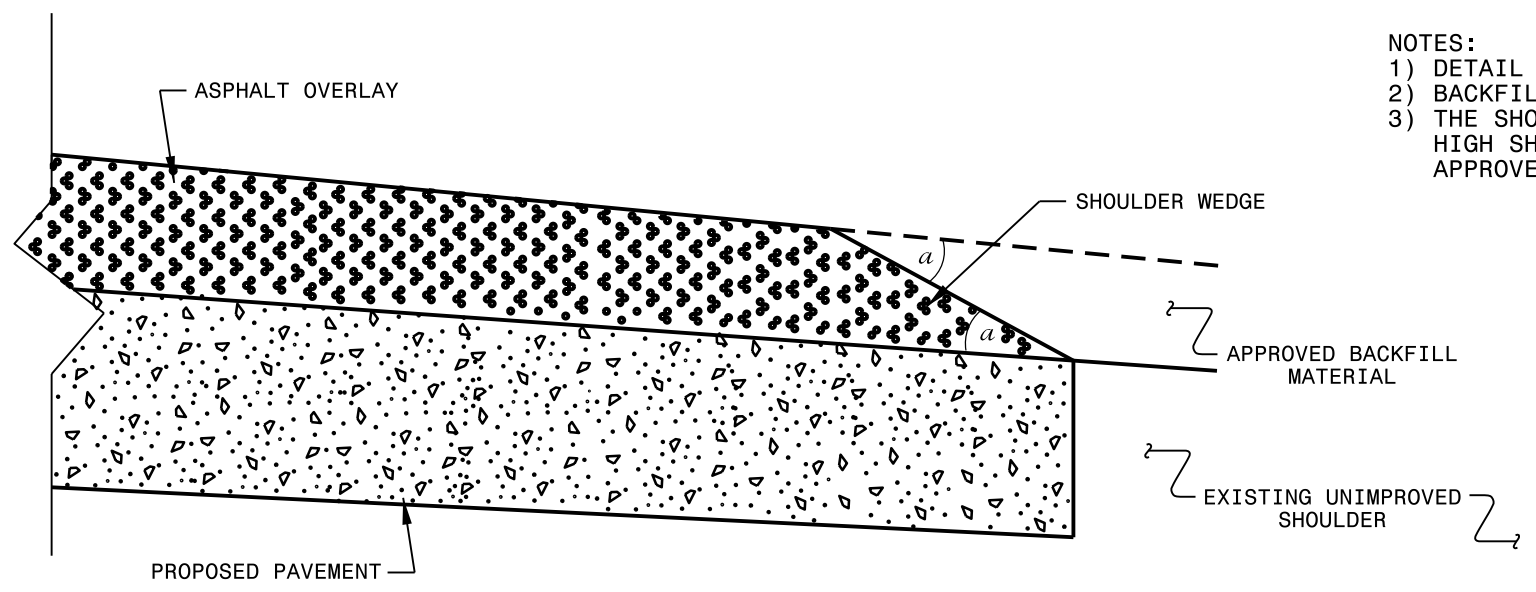
DETAIL NO. 5

REVISIONS

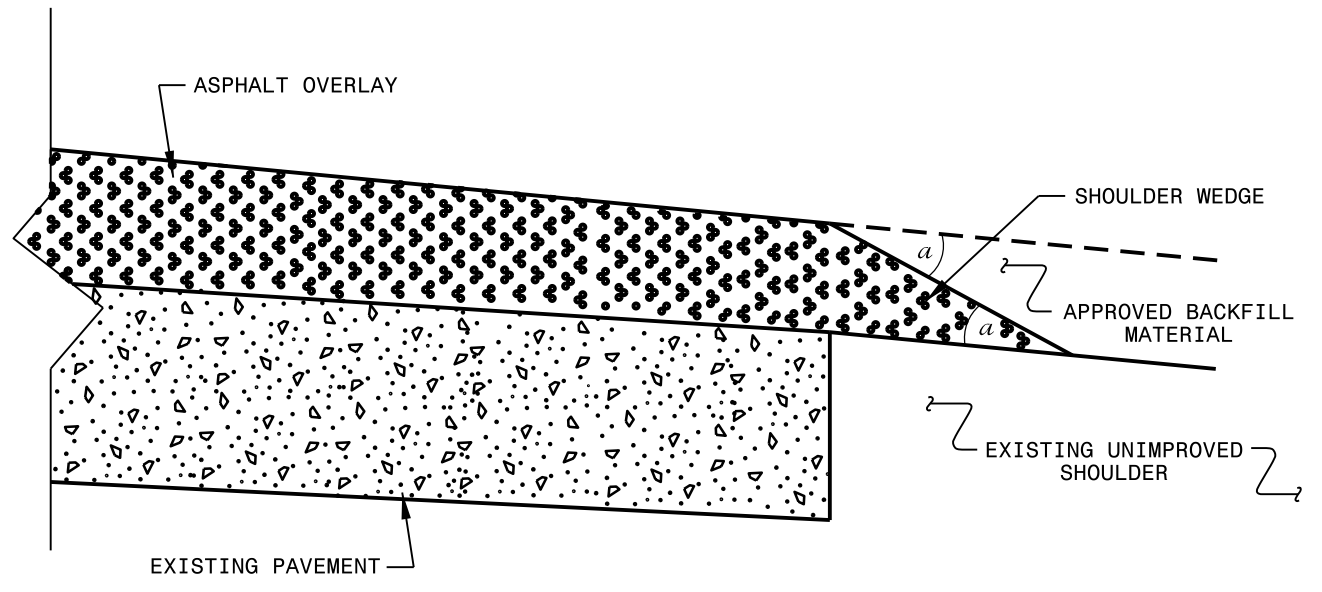
20-APP-2015-1156  
 C:\Users\jmkim\OneDrive\Desktop\DETAIL\_PSHS\Microstation\_Files\3CR\20711173\_Patch.dgn  
 \$\$\$SUNRISE\$\$\$



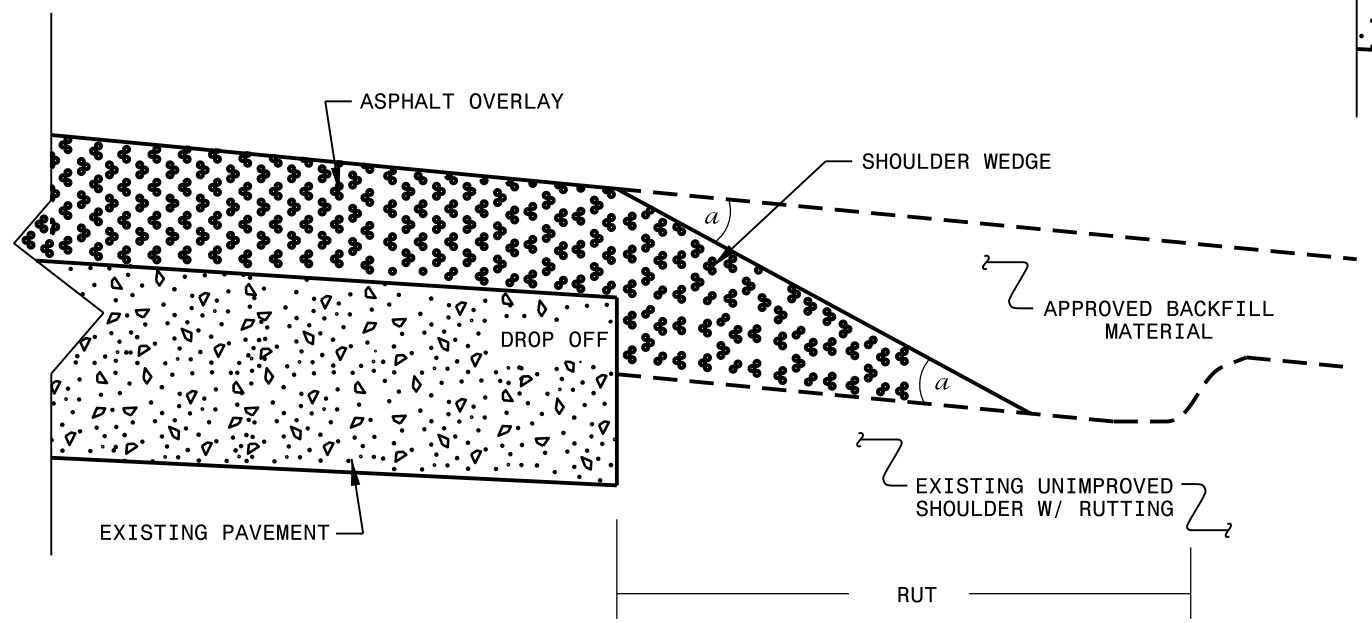
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
  - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
  - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



**SHOULDER WEDGE DETAIL**  
 (Resurfacing Projects w/ Widening or  
 with Existing Paved Shoulder having no dropoffs)



**SHOULDER WEDGE DETAIL**  
 (Resurfacing Projects w/ NO Widening)



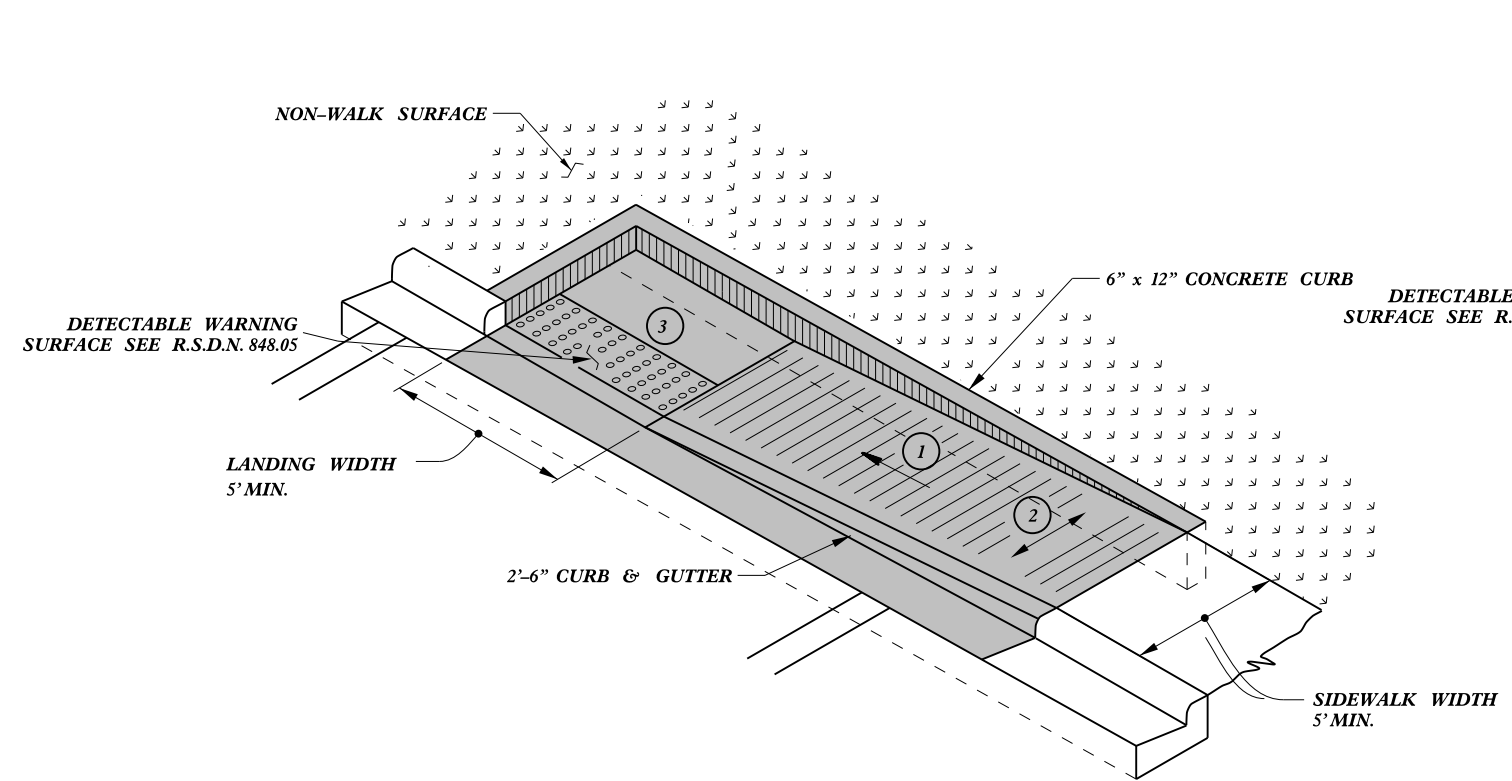
**SHOULDER WEDGE DETAIL**  
 (Resurfacing Adjacent to  
 Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

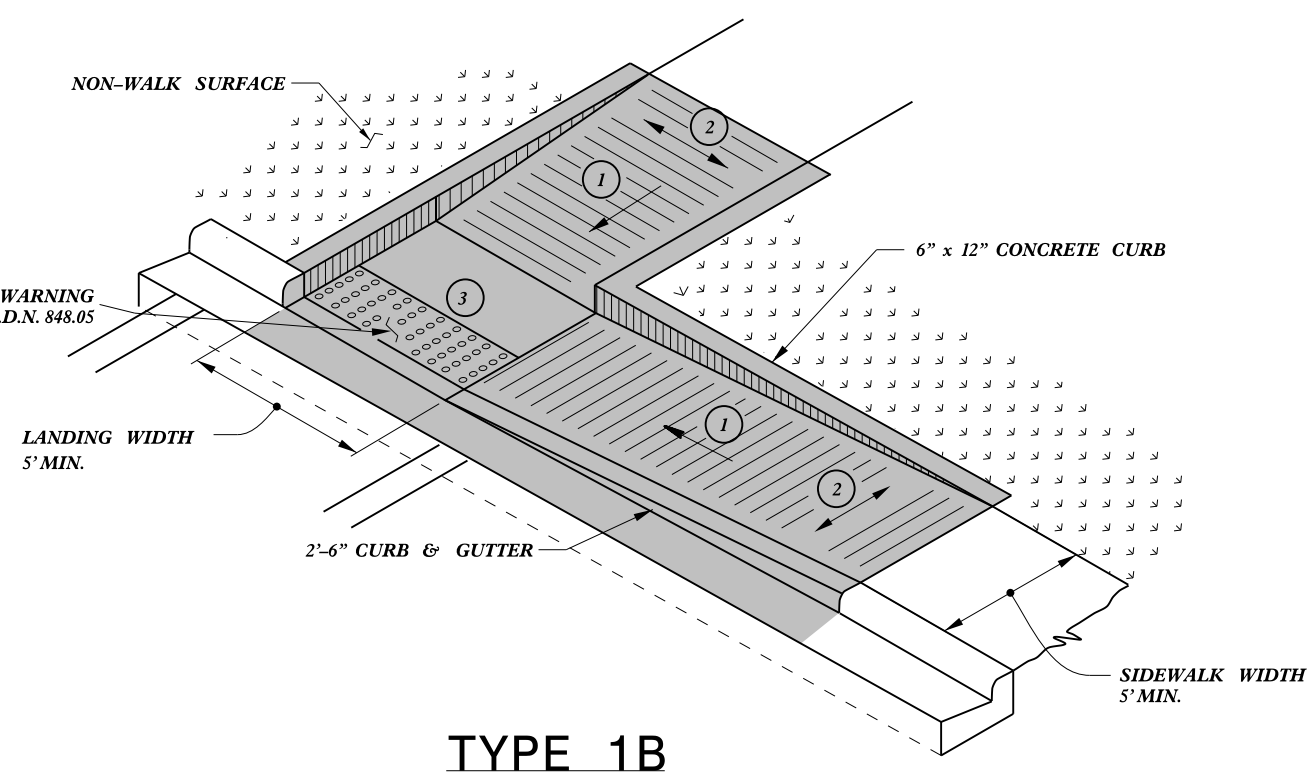
<b>CONTRACT STANDARDS AND DEVELOPMENT UNIT</b>			
Office 919-707-6950		FAX 919-250-4119	
<b>SHOULDER WEDGE DETAILS</b>			
ORIGINAL BY: T.SPELL	DATE: 7-19-11		
MODIFIED BY:	DATE: 2/2/16		
CHECKED BY:	DATE:		
FILE SPEC.: s:\usr\details\stand\shoulderwedgedetail.dgn			

27 JUN 2018 13:22 s:\projects\Resurfacing Projects\Division 3\Sampson August 2018\Revised Shoulder Wedge Detail.dgn  
 P:\porter\_41\_CSD\_2018\_05\_25.dwg

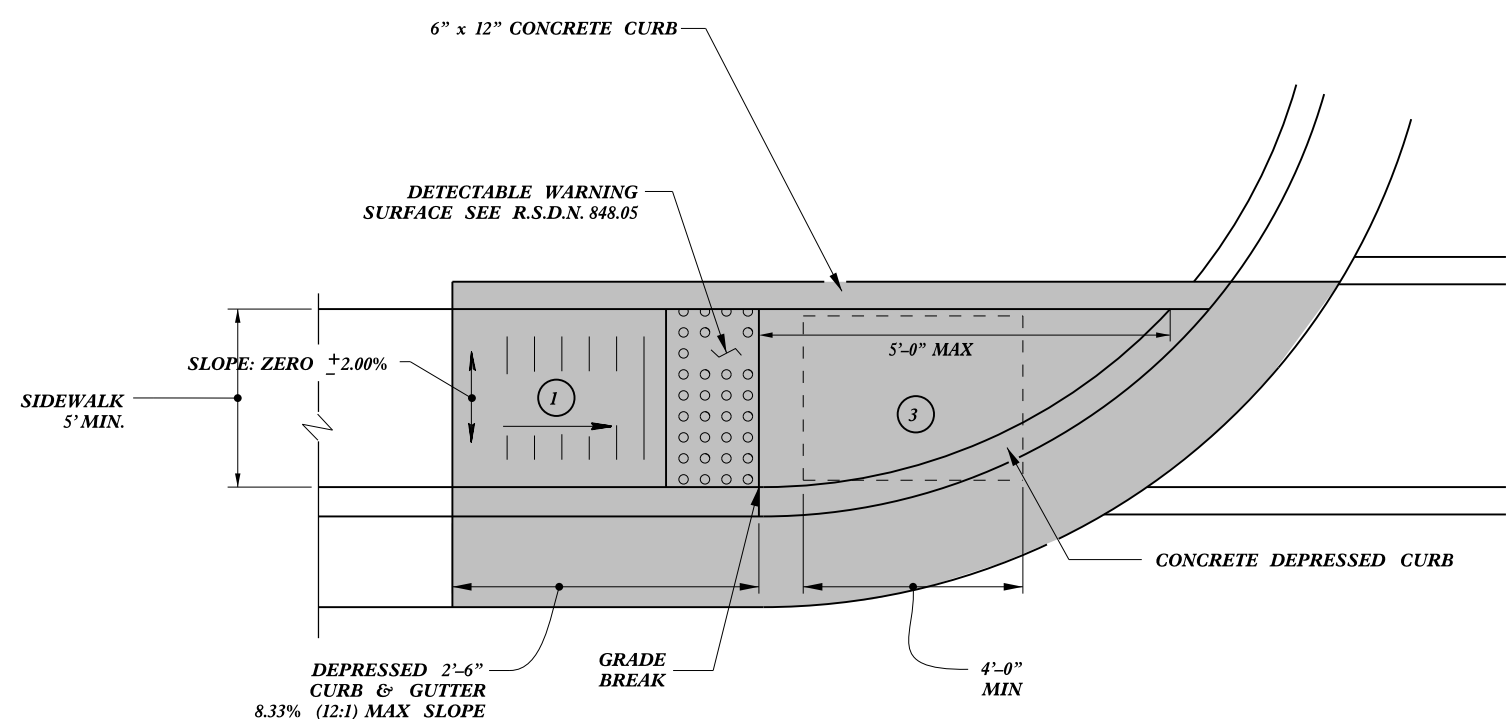




**TYPE 1A**



**TYPE 1B**



**TYPE 1**

PAY LIMITS FOR 1 CURB RAMP

- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.

REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES



DocuSign by  
Joel S. Howerton

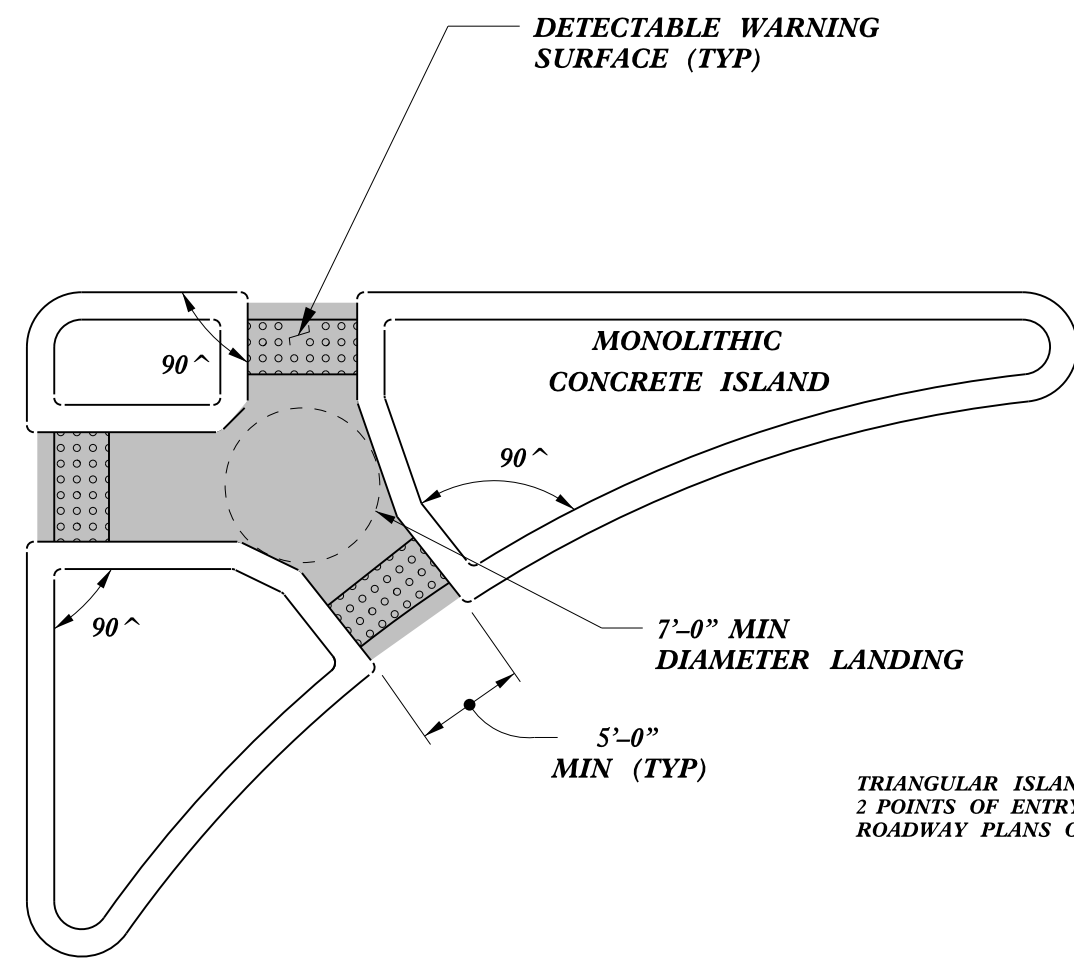
449E8E25522144F...  
11/18/2015

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

<b>CONTRACT STANDARDS AND DEVELOPMENT UNIT</b>	
Office 919-707-6950	FAX 919-250-4119
<b>CURB RAMPS</b>	
Directional Ramps	
ORIGINAL BY: J.S. HOWERTON	DATE: 7/7/11
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC: stds/2012CurbRamp/CurbRampDetails.dwg	

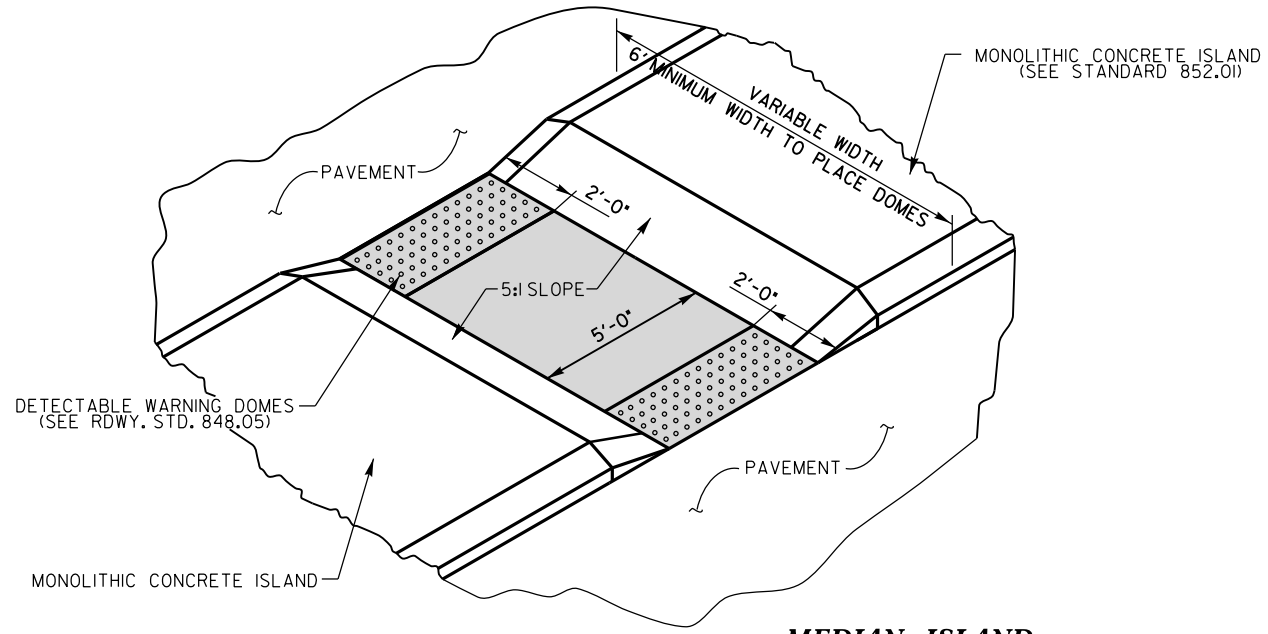
5/14/99  
CONSTRUCTION USER NAME  
DATE

PAY LIMITS FOR 2 OR 3 CURB RAMPS  
(CALCULATE BASED ON NUMBER OF  
SETS OF TRUNCATED DOMES)

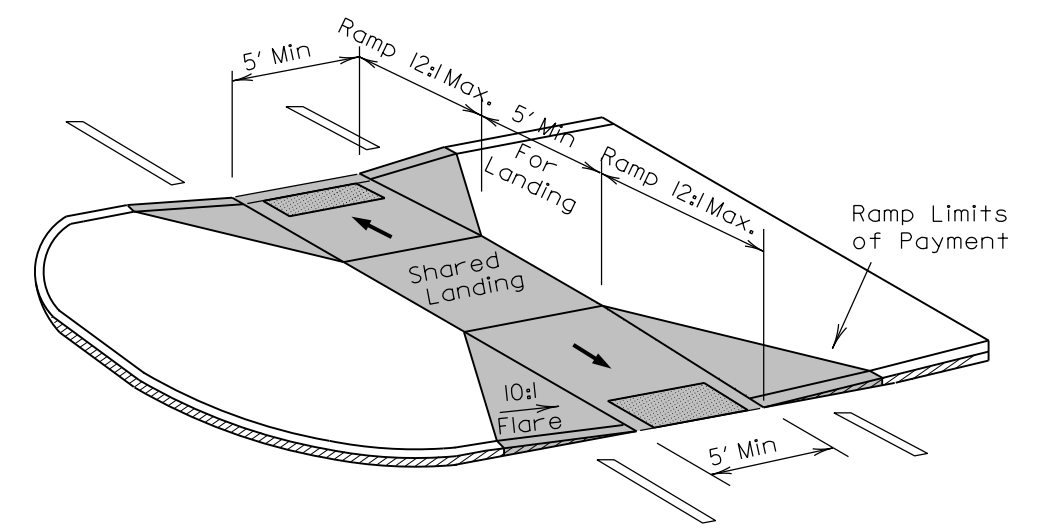


TRIANGULAR ISLANDS MAY BE CONSTRUCTED WITH ONLY  
2 POINTS OF ENTRY AND EXIT AS SHOWN IN THE  
ROADWAY PLANS OR AS DIRECTED BY THE ENGINEER.

**TRIANGULAR ISLAND  
WITH CUT THROUGH**



**MEDIAN ISLAND  
WITH CUT THROUGH**



**MEDIAN ISLAND  
CURB RAMPS**

5/14/99  
SYTIME  
SERIAL  
DATE  
USER  
NAME

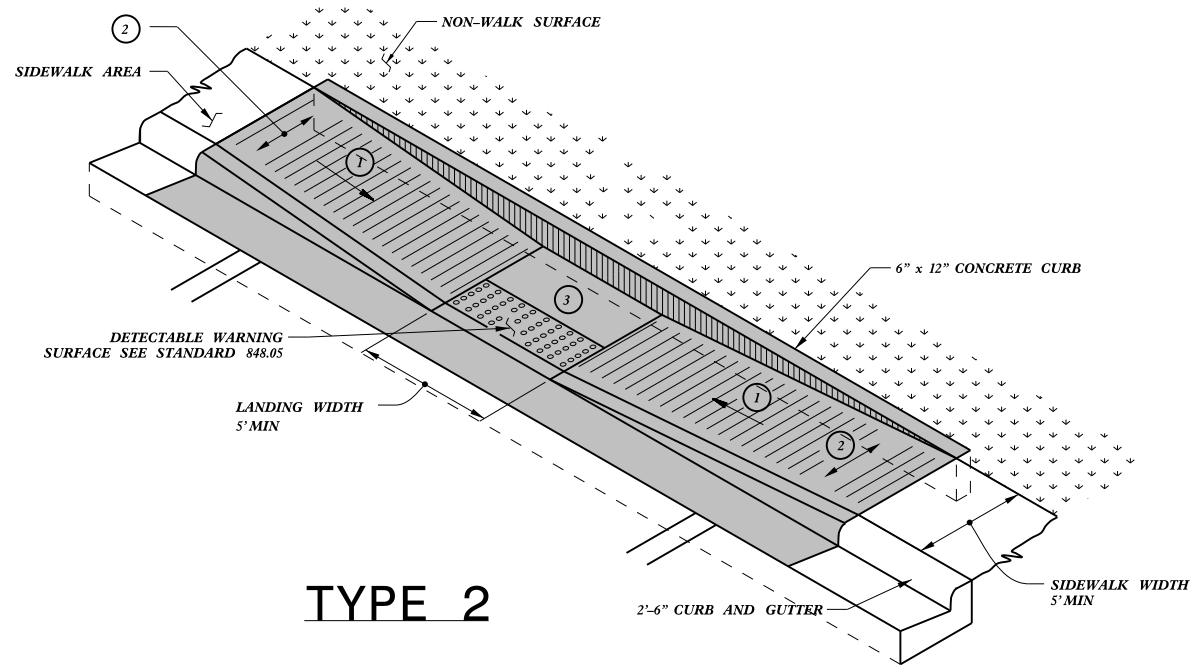
DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

<b>CONTRACT STANDARDS AND DEVELOPMENT UNIT</b>	
Office 919-707-6950 FAX 919-250-4119	
<b>CURB RAMPS</b>	
Median or Turn Lane Islands	
ORIGINAL BY: J.S. HOWERTON	DATE: 7/7/11
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC. :stds/2012CurbRamp/CurbRampDetails.dwg	

11/18/2015

DocuSign  
 Joel S. Howerton

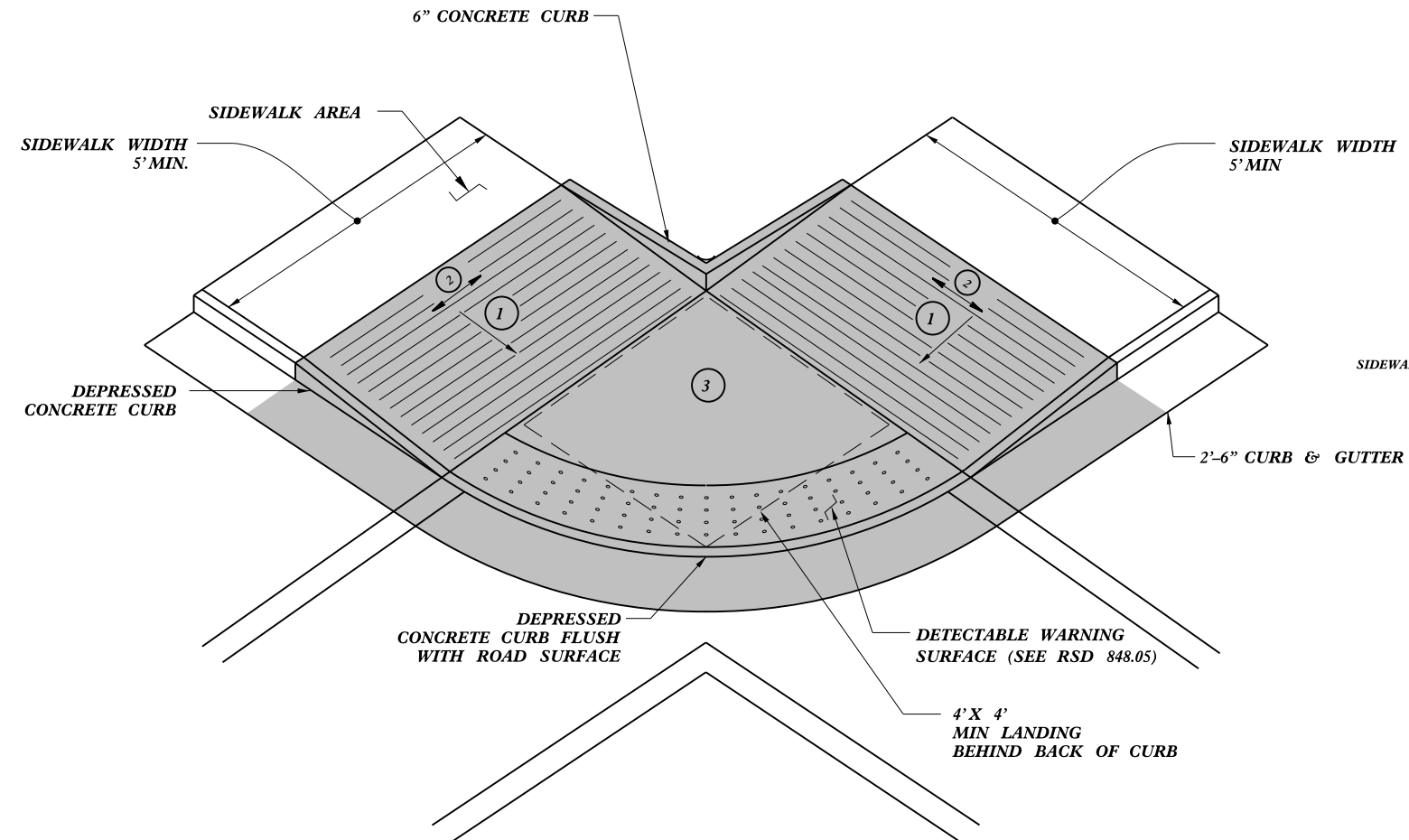
449E8E25622144F...



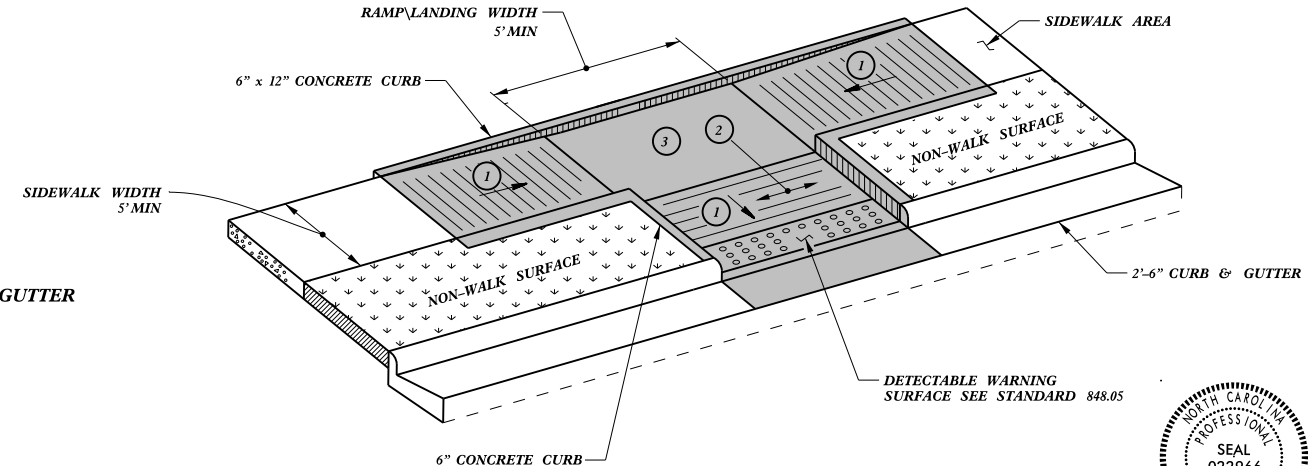
**TYPE 2**

PAY LIMITS FOR 1 CURB RAMP

- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.



**TYPE 2A**



**TYPE 3**

11/18/2015



DocuSign  
 Joel S. Howerton  
 449E8E25522144E

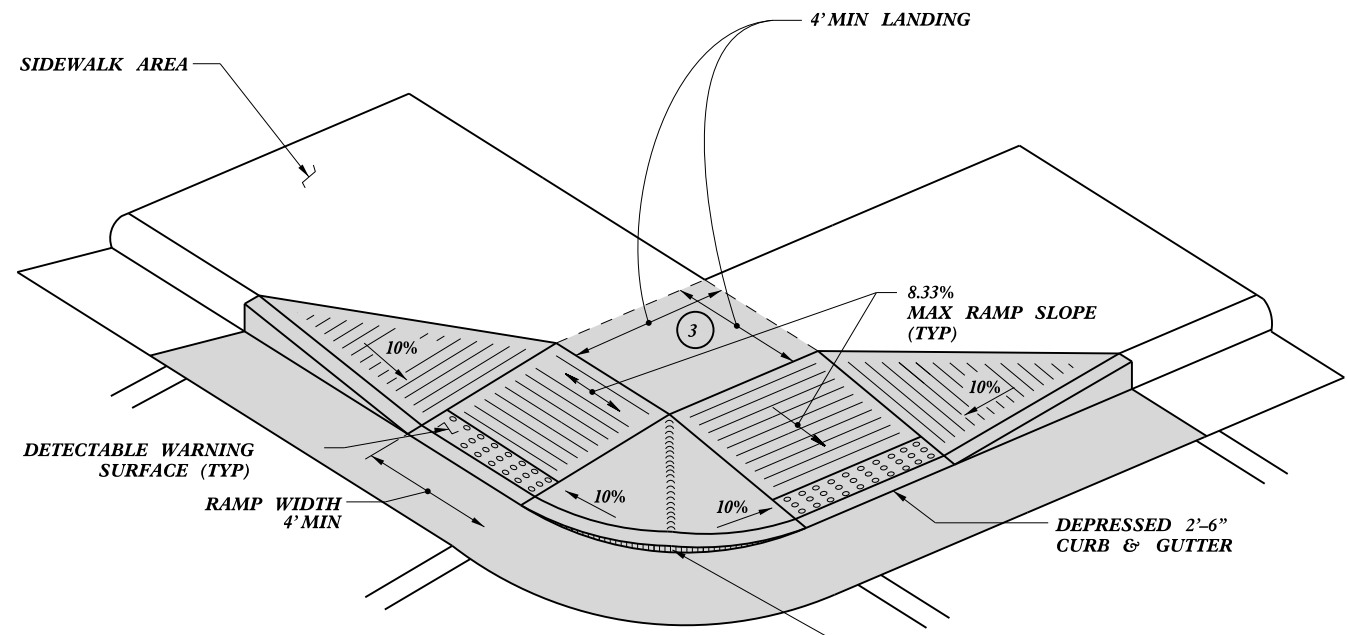
CONTRACT STANDARDS AND DEVELOPMENT UNIT  
 Office 919-707-6950 FAX 919-250-4119

**CURB RAMPS**  
 Parallel Ramps

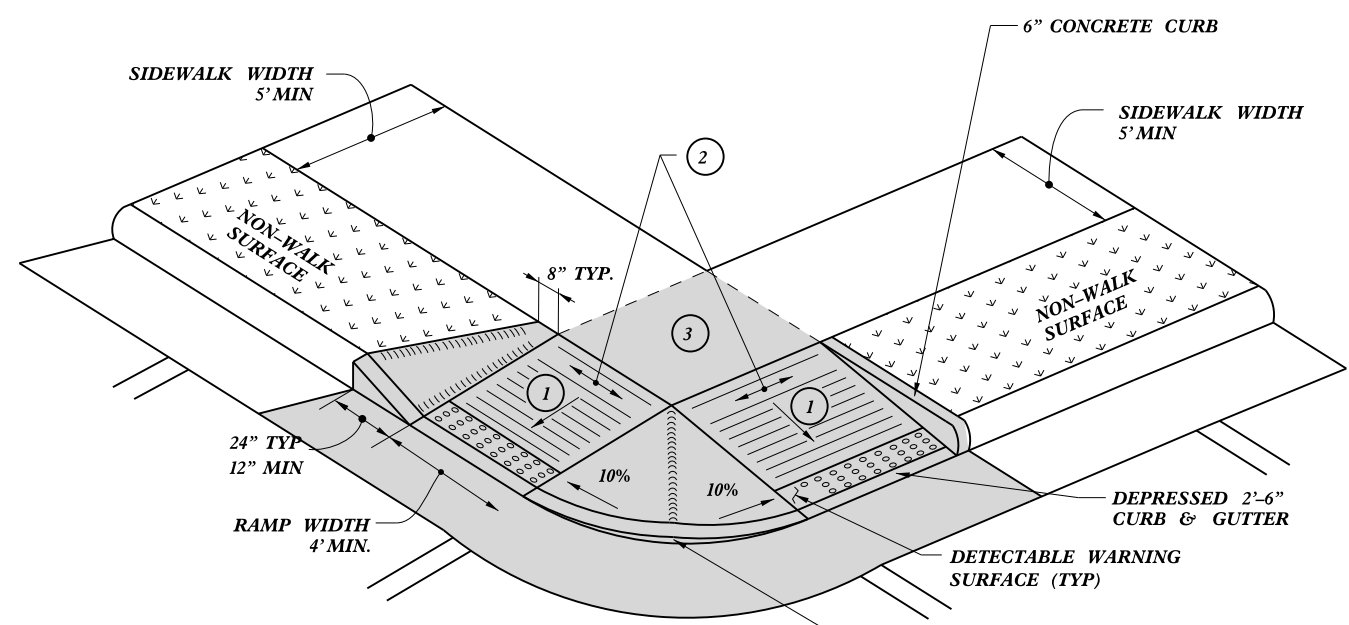
ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11  
 MODIFIED BY: DATE:  
 CHECKED BY: DATE:  
 FILE SPEC: stds/2012CurbRamp/CurbRampDetails.dwg

REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

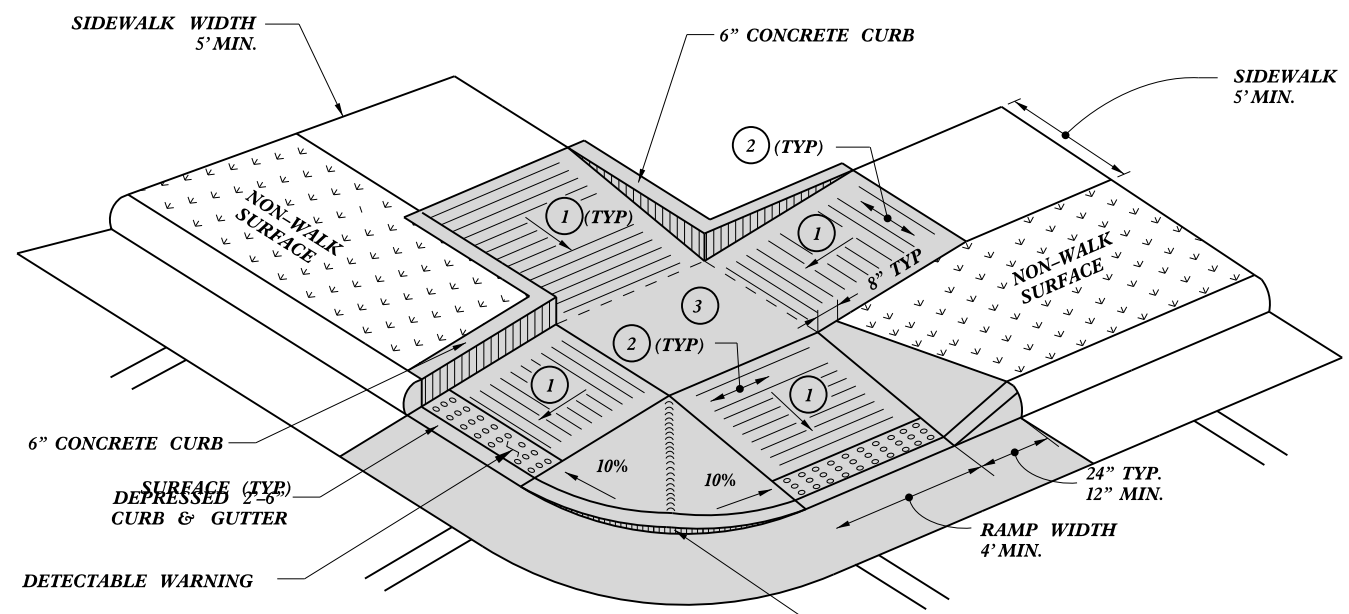
5/14/99



**TYPE 4**



**TYPE 4A**



**TYPE 5**

PAY LIMITS FOR 2 CURB RAMPS

- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.

DocuSigned by:  
**Joel S Howerton**  
 449E8E25522144F...



11/18/2015

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

**CONTRACT STANDARDS AND DEVELOPMENT UNIT**  
 Office 919-707-6950 FAX 919-250-4119

**CURB RAMPS**  
 Shared Landing

ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11  
 MODIFIED BY: DATE:   
 CHECKED BY: DATE:   
 FILE SPEC: stds/2012CurbRamp/CurbRampDetails.dwg

REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

5/14/199

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

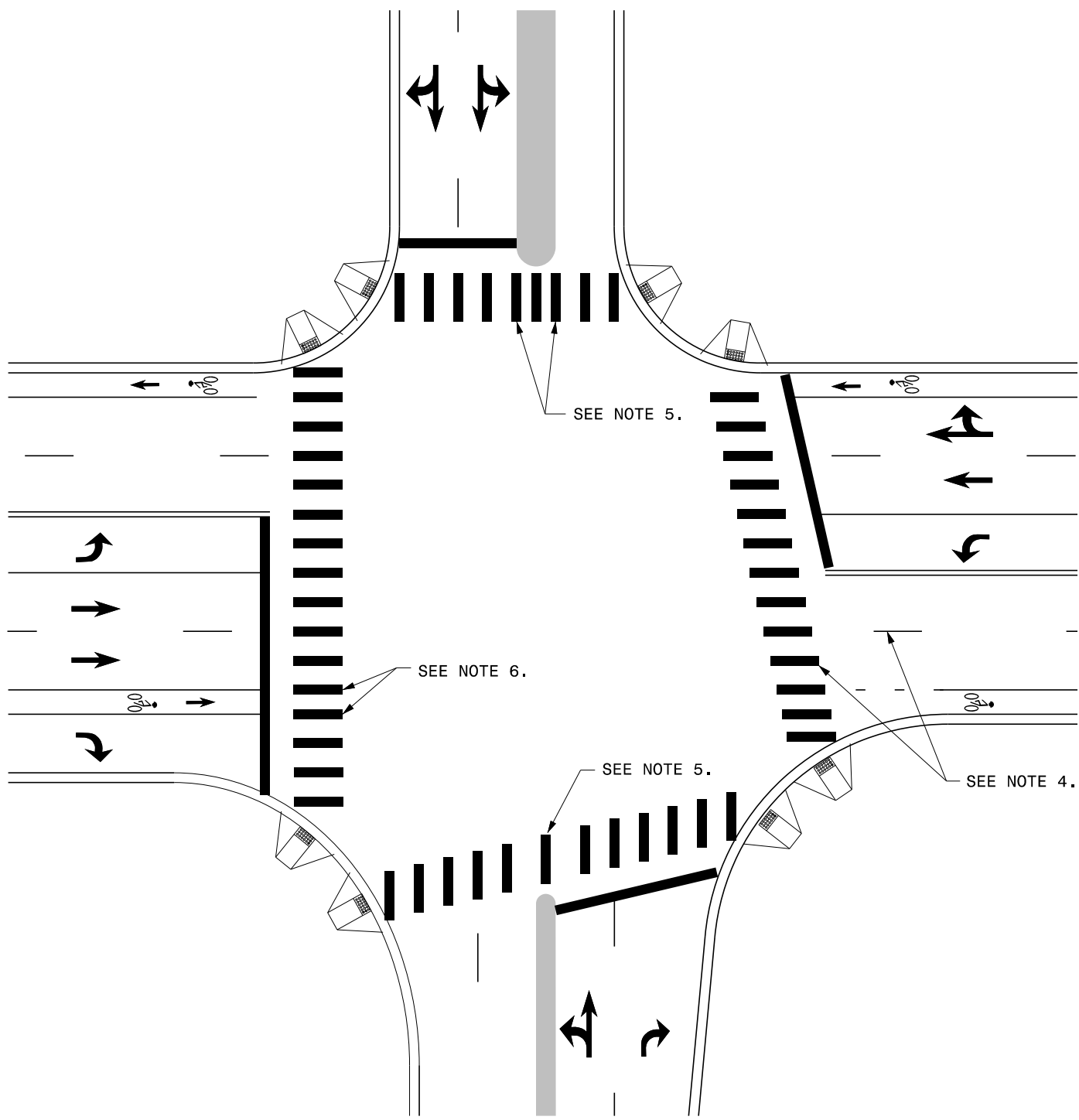
2-19

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

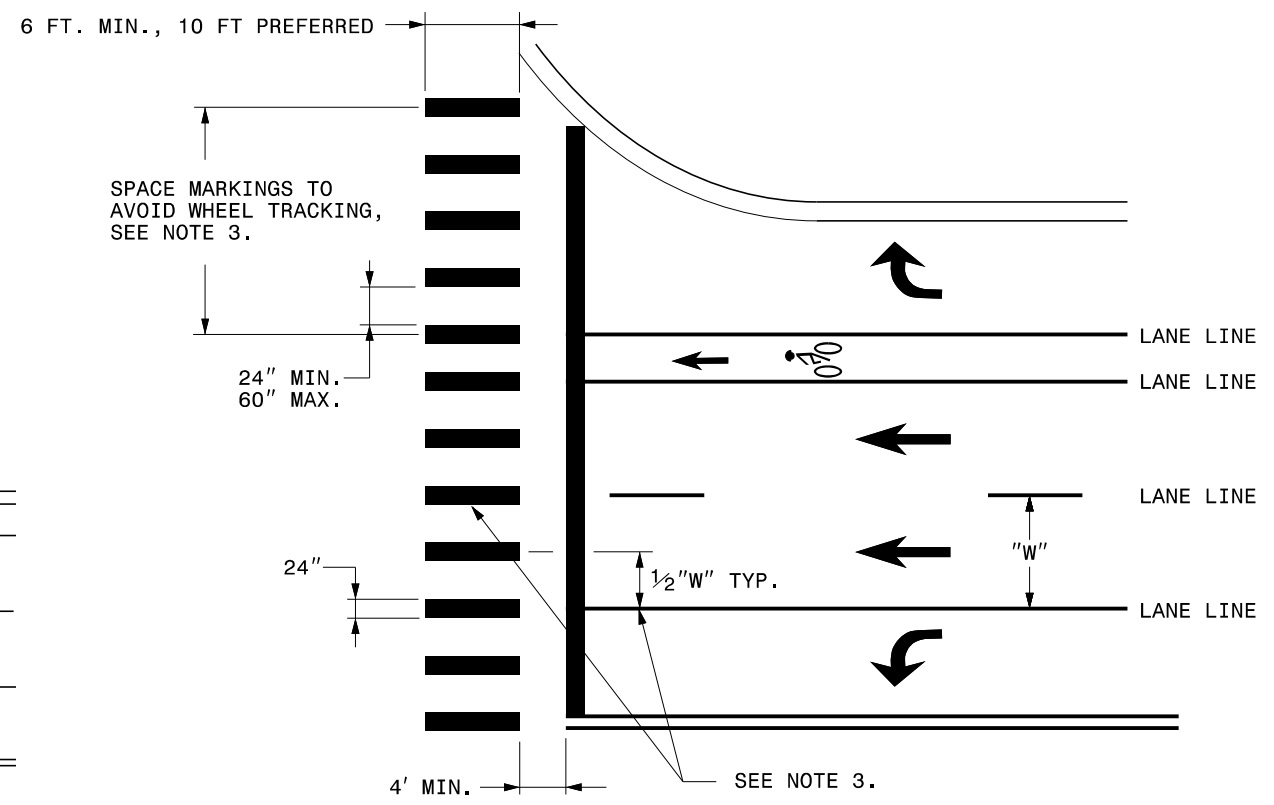
STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

2-19

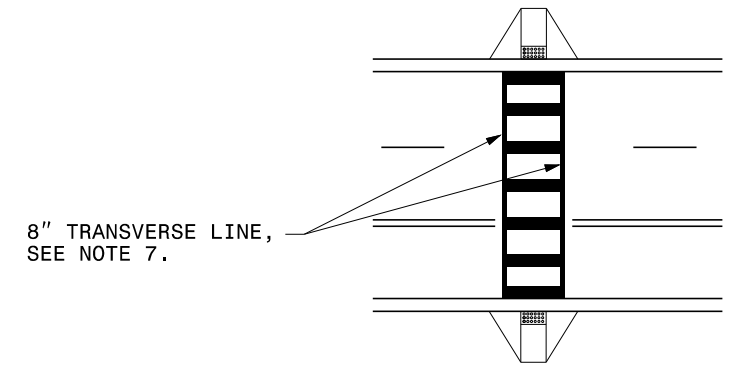
ENGLISH TYPICAL DRAWING FOR  
**PAVEMENT MARKINGS**  
HI-VISIBILITY CROSSWALKS  
NO-TRACK MARKING GUIDANCE



CROSSWALK INTERSECTION DETAIL



CROSSWALK MARKING DETAIL



MID-BLOCK CROSSWALK DETAIL

GENERAL NOTES:

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

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

PROJECT NO.	SHEET NO.
2021CPT.03.26.10651, Etc.	16

# 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	0106000000-E	1245000000-E	1297000000-E		1308000000-E		1330000000-E	1519000000-E	1520000000-E	1523000000-E	1526000000-E	
												BORROW EXCAVATION	SHOULDER RECONSTRUCTION	1.5" MILLING	2" MILLING	0" - 1.5" MILLING	0" - 1.25" MILLING	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	LEVELING COURSE, S9.5B	SURFACE COURSE, S9.5C	SURFACE COURSE, S4.75A	
											MI	FT	CY	SMI	SY	SY	SY	SY	SY	TON	TON	TON	TON
2021CPT.03.26.10651	New Hanover	1	US 17 BUSINESS (MARKET STREET)	FROM US 17 BUS. (3RD ST.) TO 0.28 MI. WEST OF SR 1175 (KERR AVE.) [MP 0.82 - MP 3.76]	1, 2	4 - 5	MU	NO	NO	2.94	56 - 60				88,624				6,612	60	7,902		
<b>TOTAL FOR MAP NO. 1</b>											<b>2.94</b>				<b>88,624</b>				<b>6,612</b>	<b>60</b>	<b>7,902</b>		
2021CPT.03.26.10651	New Hanover	2	US 17 BUSINESS (THIRD STREET)	FROM US 17 BUS. (WOOSTER ST.) TO US 17 BUS. (MARKET ST.) [MP 0.09 - MP 0.79]	1	4	MD	NO	NO	0.7	56 - 70				23,228				1,568		1,962		
<b>TOTAL FOR MAP NO. 2</b>											<b>0.7</b>				<b>23,228</b>				<b>1,568</b>		<b>1,962</b>		
<b>TOTAL FOR PROJ NO. 2021CPT.03.26.10651</b>											<b>3.64</b>				<b>111,852</b>				<b>8,180</b>	<b>60</b>	<b>9,864</b>		
											<b>111,852</b>												
2021CPT.03.26.20651	New Hanover	3	SR 1209 (NB INDEPENDENCE BOULEVARD)	FROM US 117 (SHIPYARD BLVD.) TO 0.08 MI. S. OF US 17 (OLEANDER DR.) [MP 0.00 - MP 1.45]	3	2	MD	NO	NO	1.45	24 - 50				35,230				1,644		4,283		
<b>TOTAL FOR MAP NO. 3</b>											<b>1.45</b>				<b>35,230</b>				<b>1,644</b>		<b>4,283</b>		
2021CPT.03.26.20651	New Hanover	4	SR 1209 (SB INDEPENDENCE BOULEVARD)	FROM 0.08 MI. S. OF US 17 (OLEANDER DR.) TO US 117 (SHIPYARD BLVD.) [MP 0.90 - MP 2.35]	3	2	MD	NO	NO	1.45	24 - 60				35,953				883		4,364		
<b>TOTAL FOR MAP NO. 4</b>											<b>1.45</b>				<b>35,953</b>				<b>883</b>		<b>4,364</b>		
2021CPT.03.26.20651	New Hanover	5	SR 2581 (BEACON DRIVE)	FROM SR 1704 (HIDDEN VALLEY RD.) TO SR 2573 (WOODS EDGE DR.) [MP 0.00 - MP 0.08]	4	2	2WU	NO	NO	0.08	24	13	0.10				141	345	93				
<b>TOTAL FOR MAP NO. 5</b>											<b>0.08</b>		<b>13</b>	<b>0.10</b>				<b>141</b>	<b>345</b>	<b>93</b>			
2021CPT.03.26.20651	New Hanover	6	SR 1774 (CROSSWINDS DRIVE)	FROM SR 3101 (MAKO DR.) TO NC 132 (S. COLLEGE RD.) [MP 0.00 - MP 1.31]	5	2	2WU	NO	NO	1.31	28							2,863	768	1,532			
<b>TOTAL FOR MAP NO. 6</b>											<b>1.31</b>								<b>2,863</b>	<b>768</b>	<b>1,532</b>		
2021CPT.03.26.20651	New Hanover	7	SR 2529 (WINDJAMMER DRIVE)	SR 1774 (CROSSWINDS DR.) TO SR 2538 (WEDGEFIELD DR.) [MP 0.00 - MP 0.15]	5	2	2WU	NO	NO	0.15	18							704	67	114			
<b>TOTAL FOR MAP NO. 7</b>											<b>0.15</b>								<b>704</b>	<b>67</b>	<b>114</b>		
2021CPT.03.26.20651	New Hanover	8	SR 1776 (FREEBOARD COURT/NORTHEASTER DRIVE)	CUL-DE-SAC TO CUL-DE-SAC [MP 0.00 - MP 0.19]	5	2	2WU	NO	NO	0.19	20							892	53	154			
<b>TOTAL FOR MAP NO. 8</b>											<b>0.19</b>								<b>892</b>	<b>53</b>	<b>154</b>		
2021CPT.03.26.20651	New Hanover	9	SR 1775 (RUSHING DRIVE)	FROM SR 1774 (CROSSWINDS DR.) TO SR 1704 (HIDDEN VALLEY RD.) [MP 0.00 - MP 0.44]	5	2	2WU	NO	NO	0.44	20	15	0.12					329	56	357			
<b>TOTAL FOR MAP NO. 9</b>											<b>0.44</b>		<b>15</b>	<b>0.12</b>				<b>329</b>	<b>56</b>	<b>357</b>			
<b>TOTAL FOR PROJ NO. 2021CPT.03.26.20651</b>											<b>5.07</b>		<b>28</b>	<b>0.22</b>			<b>71,183</b>	<b>141</b>	<b>4,788</b>	<b>3,816</b>	<b>2,250</b>		<b>8,647</b>
											<b>71,183</b>											<b>4,929</b>	
2021CPT.03.26.20652	New Hanover	10	SR 1216 (16TH STREET)	FROM US 17 (DAWSON ST.) TO US 117 (SHIPYARD BLVD.) [MP 1.02 - MP 3.29]	N/A	2		NO	NO	2.27	33												
<b>TOTAL FOR MAP NO. 10</b>											<b>2.27</b>												
2021CPT.03.26.20652	New Hanover	11	SR 1217 (17TH STREET)	FROM US 117 (SHIPYARD BLVD.) TO US 17 (DAWSON ST.) [MP 0.00 - MP 2.27]	N/A	2		NO	NO	2.27	33												
<b>TOTAL FOR MAP NO. 11</b>											<b>2.27</b>												
2021CPT.03.26.20652	New Hanover	12	SR 1849 (SCORPION DR.)	FROM SR 1363 (BAYSHORE DR.) TO 0.05 MILES N. OF SR 1891 (HIGHGREEN DR.) [MP 0.00 - MP 0.30]	6	2	2WU	NO	NO	0.3	16 - 20											200	
<b>TOTAL FOR MAP NO. 12</b>											<b>0.3</b>												<b>200</b>
2021CPT.03.26.20652	New Hanover	13	SR 2400 (SAGO BAY DR.)	FROM US 421 (CAROLINA BEACH RD.) TO SAGO BAY DR. (NON-SYSTEM) [MP 0.00 - MP 0.21]	7	2	2WU	NO	NO	0.21	28											202	
<b>TOTAL FOR MAP NO. 13</b>											<b>0.21</b>												<b>202</b>
<b>TOTAL FOR PROJ NO. 2021CPT.03.26.20652</b>											<b>5.05</b>												<b>402</b>
<b>GRAND TOTAL</b>											<b>13.76</b>		<b>28</b>	<b>0.22</b>	<b>111,852</b>	<b>71,183</b>	<b>141</b>	<b>4,788</b>	<b>11,996</b>	<b>2,250</b>	<b>60</b>	<b>18,511</b>	<b>402</b>
											<b>183,035</b>											<b>4,929</b>	



PROJECT NO.	SHEET NO.
2021CPT.03.26.10651, Etc.	17

# 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	1575000000-E	1880000000-E		2542000000-E	2591000000-E	2600000000-N	2605000000-N	2613000000-N	2752000000-E		2759000000-N		
												ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT (FULL DEPTH) GENERIC	PATCHING EXISTING PAVEMENT (MILL) GENERIC	1'-6" CONCRETE CURB & GUTTER	4" CONCRETE SIDEWALK	RETROFIT EXISTING CURB RAMP	CONCRETE CURB RAMP	REMOVE & REPLACE CURB RAMPS	2'-6" CURB & GUTTER, REMOVE & REPLACE (GENERIC)	1'-6" CURB & GUTTER, REMOVE & REPLACE (GENERIC)	ADJUSTMENT OF MONUMENTS (GENERIC)		
												MI	FT	TON	TON	TON	LF	SY	EA	EA	EA	LF	LF	EA
2021CPT.03.26.10651	New Hanover	1	US 17 BUSINESS (MARKET STREET)	FROM US 17 BUS. (3RD ST.) TO 0.28 MI. WEST OF SR 1175 (KERR AVE.) [MP 0.82 - MP 3.76]	1, 2	4 - 5	MU	NO	NO	2.94	56 - 60	478	340			194	48	1	20	840		10		
<b>TOTAL FOR MAP NO. 1</b>												<b>2.94</b>		<b>478</b>	<b>340</b>		<b>194</b>	<b>48</b>	<b>1</b>	<b>20</b>	<b>840</b>		<b>10</b>	
2021CPT.03.26.10651	New Hanover	2	US 17 BUSINESS (THIRD STREET)	FROM US 17 BUS. (WOOSTER ST.) TO US 17 BUS. (MARKET ST.) [MP 0.09 - MP 0.79]	1	4	MD	NO	NO	0.7	56 - 70	118	120			25	6		4	690		5		
<b>TOTAL FOR MAP NO. 2</b>												<b>0.7</b>		<b>118</b>	<b>120</b>		<b>25</b>	<b>6</b>		<b>4</b>	<b>690</b>		<b>5</b>	
<b>TOTAL FOR PROJ NO. 2021CPT.03.26.10651</b>												<b>3.64</b>		<b>596</b>	<b>460</b>		<b>219</b>	<b>54</b>	<b>1</b>	<b>24</b>	<b>1,530</b>		<b>15</b>	
															<b>460</b>						<b>1,530</b>			
2021CPT.03.26.20651	New Hanover	3	SR 1209 (NB INDEPENDENCE BOULEVARD)	FROM US 117 (SHIPYARD BLVD.) TO 0.08 MI. S. OF US 17 (OLEANDER DR.) [MP 0.00 - MP 1.45]	3	2	MD	NO	NO	1.45	24 - 50	257	21			40						30		
<b>TOTAL FOR MAP NO. 3</b>												<b>1.45</b>		<b>257</b>	<b>21</b>		<b>40</b>					<b>30</b>		
2021CPT.03.26.20651	New Hanover	4	SR 1209 (SB INDEPENDENCE BOULEVARD)	FROM 0.08 MI. S. OF US 17 (OLEANDER DR.) TO US 117 (SHIPYARD BLVD.) [MP 0.90 - MP 2.35]	3	2	MD	NO	NO	1.45	24 - 60	262	21											
<b>TOTAL FOR MAP NO. 4</b>												<b>1.45</b>		<b>262</b>	<b>21</b>									
2021CPT.03.26.20651	New Hanover	5	SR 2581 (BEACON DRIVE)	FROM SR 1704 (HIDDEN VALLEY RD.) TO SR 2573 (WOODS EDGE DR.) [MP 0.00 - MP 0.08]	4	2	2WU	NO	NO	0.08	24	6		25										
<b>TOTAL FOR MAP NO. 5</b>												<b>0.08</b>		<b>6</b>		<b>25</b>								
2021CPT.03.26.20651	New Hanover	6	SR 1774 (CROSSWINDS DRIVE)	FROM SR 3101 (MAKO DR.) TO NC 132 (S. COLLEGE RD.) [MP 0.00 - MP 1.31]	5	2	2WU	NO	NO	1.31	28	103		15								17		
<b>TOTAL FOR MAP NO. 6</b>												<b>1.31</b>		<b>103</b>		<b>15</b>						<b>17</b>		
2021CPT.03.26.20651	New Hanover	7	SR 2529 (WINDJAMMER DRIVE)	SR 1774 (CROSSWINDS DR.) TO SR 2538 (WEDGEFIELD DR.) [MP 0.00 - MP 0.15]	5	2	2WU	NO	NO	0.15	18	8	5									2		
<b>TOTAL FOR MAP NO. 7</b>												<b>0.15</b>		<b>8</b>	<b>5</b>							<b>2</b>		
2021CPT.03.26.20651	New Hanover	8	SR 1776 (FREEBOARD COURT/NORTHEASTER DRIVE)	CUL-DE-SAC TO CUL-DE-SAC [MP 0.00 - MP 0.19]	5	2	2WU	NO	NO	0.19	20	10		15								1		
<b>TOTAL FOR MAP NO. 8</b>												<b>0.19</b>		<b>10</b>		<b>15</b>						<b>1</b>		
2021CPT.03.26.20651	New Hanover	9	SR 1775 (RUSHING DRIVE)	FROM SR 1774 (CROSSWINDS DR.) TO SR 1704 (HIDDEN VALLEY RD.) [MP 0.00 - MP 0.44]	5	2	2WU	NO	NO	0.44	20	24										3		
<b>TOTAL FOR MAP NO. 9</b>												<b>0.44</b>		<b>24</b>								<b>3</b>		
<b>TOTAL FOR PROJ NO. 2021CPT.03.26.20651</b>												<b>5.07</b>		<b>670</b>	<b>47</b>	<b>55</b>	<b>40</b>					<b>30</b>	<b>23</b>	
															<b>102</b>						<b>30</b>			
2021CPT.03.26.20652	New Hanover	10	SR 1216 (16TH STREET)	FROM US 17 (DAWSON ST.) TO US 117 (SHIPYARD BLVD.) [MP 1.02 - MP 3.29]	N/A	2		NO	NO	2.27	33					180								
<b>TOTAL FOR MAP NO. 10</b>												<b>2.27</b>					<b>180</b>							
2021CPT.03.26.20652	New Hanover	11	SR 1217 (17TH STREET)	FROM US 117 (SHIPYARD BLVD.) TO US 17 (DAWSON ST.) [MP 0.00 - MP 2.27]	N/A	2		NO	NO	2.27	33					220								
<b>TOTAL FOR MAP NO. 11</b>												<b>2.27</b>					<b>220</b>							
2021CPT.03.26.20652	New Hanover	12	SR 1849 (SCORPION DR.)	FROM SR 1363 (BAYSHORE DR.) TO 0.05 MILES N. OF SR 1891 (HIGHGREEN DR.) [MP 0.00 - MP 0.30]	6	2	2WU	NO	NO	0.3	16 - 20	14										1		
<b>TOTAL FOR MAP NO. 12</b>												<b>0.3</b>		<b>14</b>								<b>1</b>		
2021CPT.03.26.20652	New Hanover	13	SR 2400 (SAGO BAY DR.)	FROM US 421 (CAROLINA BEACH RD.) TO SAGO BAY DR. (NON-SYSTEM) [MP 0.00 - MP 0.21]	7	2	2WU	NO	NO	0.21	28	14		30								3		
<b>TOTAL FOR MAP NO. 13</b>												<b>0.21</b>		<b>14</b>		<b>30</b>						<b>3</b>		
<b>TOTAL FOR PROJ NO. 2021CPT.03.26.20652</b>												<b>5.05</b>		<b>28</b>		<b>430</b>						<b>4</b>		
															<b>430</b>									
<b>GRAND TOTAL</b>												<b>13.76</b>		<b>1,294</b>	<b>507</b>	<b>485</b>	<b>40</b>	<b>219</b>	<b>54</b>	<b>1</b>	<b>24</b>	<b>1,530</b>	<b>30</b>	<b>42</b>
															<b>992</b>						<b>1,560</b>			

PROJECT NO.	SHEET NO.
2021CPT.03.26.10651, Etc.	18

**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	2800000000-N	2830000000-N	2845000000-N	4600000000-N		5255000000-N	6000000000-E	6009000000-E	6012000000-E	6015000000-E							
												ADJUSTMENT OF CATCH BASIN	ADJUSTMENT OF MANHOLES	ADJUSTMENT OF METER OR VALVE BOX	TEMPORARY CURB RAMP (GENERIC)	AUDIBLE WARNING DEVICE (GENERIC)	PORTABLE LIGHTING	TEMPORARY SILT FENCE	STONE FOR EC CLASS B	SEDIMENT CONTROL STONE	TEMPORARY MULCHING							
												EA	EA	EA	EA	EA	LS	LF	TON	TON	ACR							
2021CPT.03.26.10651	New Hanover	1	US 17 BUSINESS (MARKET STREET)	FROM US 17 BUS. (3RD ST.) TO 0.28 MI. WEST OF SR 1175 (KERR AVE.) [MP 0.82 - MP 3.76]	1, 2	4 - 5	MU	NO	NO	2.94	56 - 60	2	25	31	8	4	0.35											
<b>TOTAL FOR MAP NO. 1</b>												<b>2</b>	<b>25</b>	<b>31</b>	<b>8</b>	<b>4</b>	<b>0.35</b>											
2021CPT.03.26.10651	New Hanover	2	US 17 BUSINESS (THIRD STREET)	FROM US 17 BUS. (WOOSTER ST.) TO US 17 BUS. (MARKET ST.) [MP 0.09 - MP 0.79]	1	4	MD	NO	NO	0.7	56 - 70	1	10	13	2	2	0.15											
<b>TOTAL FOR MAP NO. 2</b>												<b>1</b>	<b>10</b>	<b>13</b>	<b>2</b>	<b>2</b>	<b>0.15</b>											
<b>TOTAL FOR PROJ NO. 2021CPT.03.26.10651</b>												<b>3</b>	<b>35</b>	<b>44</b>	<b>10</b>	<b>6</b>	<b>0.50</b>											
												<b>16</b>																
2021CPT.03.26.20651	New Hanover	3	SR 1209 (NB INDEPENDENCE BOULEVARD)	FROM US 117 (SHIPYARD BLVD.) TO 0.08 MI. S. OF US 17 (OLEANDER DR.) [MP 0.00 - MP 1.45]	3	2	MD	NO	NO	1.45	24 - 50		4				0.20											
<b>TOTAL FOR MAP NO. 3</b>													<b>4</b>				<b>0.20</b>											
2021CPT.03.26.20651	New Hanover	4	SR 1209 (SB INDEPENDENCE BOULEVARD)	FROM 0.08 MI. S. OF US 17 (OLEANDER DR.) TO US 117 (SHIPYARD BLVD.) [MP 0.90 - MP 2.35]	3	2	MD	NO	NO	1.45	24 - 60		4				0.20											
<b>TOTAL FOR MAP NO. 4</b>													<b>4</b>				<b>0.20</b>											
2021CPT.03.26.20651	New Hanover	5	SR 2581 (BEACON DRIVE)	FROM SR 1704 (HIDDEN VALLEY RD.) TO SR 2573 (WOODS EDGE DR.) [MP 0.00 - MP 0.08]	4	2	2WU	NO	NO	0.08	24						5	1	1	0.05								
<b>TOTAL FOR MAP NO. 5</b>																	<b>5</b>	<b>1</b>	<b>1</b>	<b>0.05</b>								
2021CPT.03.26.20651	New Hanover	6	SR 1774 (CROSSWINDS DRIVE)	FROM SR 3101 (MAKO DR.) TO NC 132 (S. COLLEGE RD.) [MP 0.00 - MP 1.31]	5	2	2WU	NO	NO	1.31	28		3															
<b>TOTAL FOR MAP NO. 6</b>													<b>3</b>															
2021CPT.03.26.20651	New Hanover	7	SR 2529 (WINDJAMMER DRIVE)	SR 1774 (CROSSWINDS DR.) TO SR 2538 (WEDGEFIELD DR.) [MP 0.00 - MP 0.15]	5	2	2WU	NO	NO	0.15	18		1															
<b>TOTAL FOR MAP NO. 7</b>													<b>1</b>															
2021CPT.03.26.20651	New Hanover	8	SR 1776 (FREEBOARD COURT/NORTHEASTER DRIVE)	CUL-DE-SAC TO CUL-DE-SAC [MP 0.00 - MP 0.19]	5	2	2WU	NO	NO	0.19	20	2	3															
<b>TOTAL FOR MAP NO. 8</b>												<b>2</b>	<b>3</b>															
2021CPT.03.26.20651	New Hanover	9	SR 1775 (RUSHING DRIVE)	FROM SR 1774 (CROSSWINDS DR.) TO SR 1704 (HIDDEN VALLEY RD.) [MP 0.00 - MP 0.44]	5	2	2WU	NO	NO	0.44	20		1	1														
<b>TOTAL FOR MAP NO. 9</b>													<b>1</b>	<b>1</b>														
<b>TOTAL FOR PROJ NO. 2021CPT.03.26.20651</b>												<b>2</b>	<b>16</b>	<b>1</b>			<b>0.40</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>0.05</b>							
2021CPT.03.26.20652	New Hanover	10	SR 1216 (16TH STREET)	FROM US 17 (DAWSON ST.) TO US 117 (SHIPYARD BLVD.) [MP 1.02 - MP 3.29]	N/A	2		NO	NO	2.27	33						0.05											
<b>TOTAL FOR MAP NO. 10</b>																	<b>0.05</b>											
2021CPT.03.26.20652	New Hanover	11	SR 1217 (17TH STREET)	FROM US 117 (SHIPYARD BLVD.) TO US 17 (DAWSON ST.) [MP 0.00 - MP 2.27]	N/A	2		NO	NO	2.27	33						0.05											
<b>TOTAL FOR MAP NO. 11</b>																	<b>0.05</b>											
2021CPT.03.26.20652	New Hanover	12	SR 1849 (SCORPION DR.)	FROM SR 1363 (BAYSHORE DR.) TO 0.05 MILES N. OF SR 1891 (HIGHGREEN DR.) [MP 0.00 - MP 0.30]	6	2	2WU	NO	NO	0.3	16 - 20		1															
<b>TOTAL FOR MAP NO. 12</b>													<b>1</b>															
2021CPT.03.26.20652	New Hanover	13	SR 2400 (SAGO BAY DR.)	FROM US 421 (CAROLINA BEACH RD.) TO SAGO BAY DR. (NON-SYSTEM) [MP 0.00 - MP 0.21]	7	2	2WU	NO	NO	0.21	28																	
<b>TOTAL FOR MAP NO. 13</b>																	<b>0.21</b>											
<b>TOTAL FOR PROJ NO. 2021CPT.03.26.20652</b>																	<b>5.05</b>		<b>1</b>		<b>0.10</b>							
<b>GRAND TOTAL</b>																	<b>13.76</b>		<b>5</b>	<b>52</b>	<b>45</b>	<b>10</b>	<b>6</b>	<b>1.00</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>0.05</b>
												<b>16</b>																

# 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	6018000000-E	6021000000-E	6036000000-E	6042000000-E	6071010000-E	6084000000-E	6090000000-E	6093000000-E	6117000000-N	6117500000-N		
												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	CONCRETE WASHOUT STRUCTURE		
											LBS	TON	SY	LF	LF	AC	LB	TON	EA	EA			
2021CPT.03.26.10651	New Hanover	1	US 17 BUSINESS (MARKET STREET)	FROM US 17 BUS. (3RD ST.) TO 0.28 MI. WEST OF SR 1175 (KERR AVE.) [MP 0.82 - MP 3.76]	1, 2	4 - 5	MU	NO	NO	2.94	56 - 60										1		
<b>TOTAL FOR MAP NO. 1</b>											<b>2.94</b>											<b>1</b>	
2021CPT.03.26.10651	New Hanover	2	US 17 BUSINESS (THIRD STREET)	FROM US 17 BUS. (WOOSTER ST.) TO US 17 BUS. (MARKET ST.) [MP 0.09 - MP 0.79]	1	4	MD	NO	NO	0.7	56 - 70												
<b>TOTAL FOR MAP NO. 2</b>											<b>0.7</b>												
<b>TOTAL FOR PROJ NO. 2021CPT.03.26.10651</b>											<b>3.64</b>												<b>1</b>
2021CPT.03.26.20651	New Hanover	3	SR 1209 (NB INDEPENDENCE BOULEVARD)	FROM US 117 (SHIPYARD BLVD.) TO 0.08 MI. S. OF US 17 (OLEANDER DR.) [MP 0.00 - MP 1.45]	3	2	MD	NO	NO	1.45	24 - 50												
<b>TOTAL FOR MAP NO. 3</b>											<b>1.45</b>												
2021CPT.03.26.20651	New Hanover	4	SR 1209 (SB INDEPENDENCE BOULEVARD)	FROM 0.08 MI. S. OF US 17 (OLEANDER DR.) TO US 117 (SHIPYARD BLVD.) [MP 0.90 - MP 2.35]	3	2	MD	NO	NO	1.45	24 - 60												
<b>TOTAL FOR MAP NO. 4</b>											<b>1.45</b>												
2021CPT.03.26.20651	New Hanover	5	SR 2581 (BEACON DRIVE)	FROM SR 1704 (HIDDEN VALLEY RD.) TO SR 2573 (WOODS EDGE DR.) [MP 0.00 - MP 0.08]	4	2	2WU	NO	NO	0.08	24	3	0.01	10	3	10	0.05	3	0.01	2			
<b>TOTAL FOR MAP NO. 5</b>											<b>0.08</b>	<b>3</b>	<b>0.01</b>	<b>10</b>	<b>3</b>	<b>10</b>	<b>0.05</b>	<b>3</b>	<b>0.01</b>	<b>2</b>			
2021CPT.03.26.20651	New Hanover	6	SR 1774 (CROSSWINDS DRIVE)	FROM SR 3101 (MAKO DR.) TO NC 132 (S. COLLEGE RD.) [MP 0.00 - MP 1.31]	5	2	2WU	NO	NO	1.31	28												
<b>TOTAL FOR MAP NO. 6</b>											<b>1.31</b>												
2021CPT.03.26.20651	New Hanover	7	SR 2529 (WINDJAMMER DRIVE)	SR 1774 (CROSSWINDS DR.) TO SR 2538 (WEDGEFIELD DR.) [MP 0.00 - MP 0.15]	5	2	2WU	NO	NO	0.15	18												
<b>TOTAL FOR MAP NO. 7</b>											<b>0.15</b>												
2021CPT.03.26.20651	New Hanover	8	SR 1776 (FREEBOARD COURT/NORTHEASTER DRIVE)	CUL-DE-SAC TO CUL-DE-SAC [MP 0.00 - MP 0.19]	5	2	2WU	NO	NO	0.19	20												
<b>TOTAL FOR MAP NO. 8</b>											<b>0.19</b>												
2021CPT.03.26.20651	New Hanover	9	SR 1775 (RUSHING DRIVE)	FROM SR 1774 (CROSSWINDS DR.) TO SR 1704 (HIDDEN VALLEY RD.) [MP 0.00 - MP 0.44]	5	2	2WU	NO	NO	0.44	20												
<b>TOTAL FOR MAP NO. 9</b>											<b>0.44</b>												
<b>TOTAL FOR PROJ NO. 2021CPT.03.26.20651</b>											<b>5.07</b>	<b>3</b>	<b>0.01</b>	<b>10</b>	<b>3</b>	<b>10</b>	<b>0.05</b>	<b>3</b>	<b>0.01</b>	<b>2</b>			
2021CPT.03.26.20652	New Hanover	10	SR 1216 (16TH STREET)	FROM US 17 (DAWSON ST.) TO US 117 (SHIPYARD BLVD.) [MP 1.02 - MP 3.29]	N/A	2		NO	NO	2.27	33												
<b>TOTAL FOR MAP NO. 10</b>											<b>2.27</b>												
2021CPT.03.26.20652	New Hanover	11	SR 1217 (17TH STREET)	FROM US 117 (SHIPYARD BLVD.) TO US 17 (DAWSON ST.) [MP 0.00 - MP 2.27]	N/A	2		NO	NO	2.27	33												
<b>TOTAL FOR MAP NO. 11</b>											<b>2.27</b>												
2021CPT.03.26.20652	New Hanover	12	SR 1849 (SCORPION DR.)	FROM SR 1363 (BAYSHORE DR.) TO 0.05 MILES N. OF SR 1891 (HIGHGREEN DR.) [MP 0.00 - MP 0.30]	6	2	2WU	NO	NO	0.3	16 - 20												
<b>TOTAL FOR MAP NO. 12</b>											<b>0.3</b>												
2021CPT.03.26.20652	New Hanover	13	SR 2400 (SAGO BAY DR.)	FROM US 421 (CAROLINA BEACH RD.) TO SAGO BAY DR. (NON-SYSTEM) [MP 0.00 - MP 0.21]	7	2	2WU	NO	NO	0.21	28												
<b>TOTAL FOR MAP NO. 13</b>											<b>0.21</b>												
<b>TOTAL FOR PROJ NO. 2021CPT.03.26.20652</b>											<b>5.05</b>												
<b>GRAND TOTAL</b>											<b>13.76</b>	<b>3</b>	<b>0.01</b>	<b>10</b>	<b>3</b>	<b>10</b>	<b>0.05</b>	<b>3</b>	<b>0.01</b>	<b>2</b>	<b>1</b>		

PROJECT NO.	SHEET NO.
2021CPT.03.26.10651, Etc.	20

## 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	730000000-E	730100000-E	732400000-N	742000000-E	744400000-E	745600000-E	774400000-N		
												UNPAVED TRENCHING (2 CONDUITS, 2 INCH)	DIRECTIONAL DRILL (2 CONDUITS, 2 INCH)	JUNCTION BOX (STANDARD SIZE)	2" RISER WITH WEATHERHEAD	INDUCTIVE LOOP SAWCUT	LEAD-IN CABLE (14-2)	DETECTOR CARD (TYPE 170)		
												MI	FT	LF	LF	EA	EA	LF	LF	EA
2021CPT.03.26.10651	New Hanover	1	US 17 BUSINESS (MARKET STREET)	FROM US 17 BUS. (3RD ST.) TO 0.28 MI. WEST OF SR 1175 (KERR AVE.) [MP 0.82 - MP 3.76]	1, 2	4 - 5	MU	NO	NO	2.94	28 - 60						6,798.00	3,500		
<b>TOTAL FOR MAP NO. 1</b>												<b>2.94</b>		<b>950</b>	<b>10</b>	<b>4</b>	<b>6,798.00</b>	<b>3,500</b>		
2021CPT.03.26.10651	New Hanover	2	US 17 BUSINESS (THIRD STREET)	FROM US 17 BUS. (WOOSTER ST.) TO US 17 BUS. (MARKET ST.) [MP 0.09 - MP 0.79]	1	4	MD	NO	NO	0.7	28 - 70						1,794.00			
<b>TOTAL FOR MAP NO. 2</b>												<b>0.7</b>					<b>1,794.00</b>			
<b>TOTAL FOR PROJ NO. 2021CPT.03.26.10651</b>												<b>3.64</b>		<b>950</b>	<b>10</b>	<b>4</b>	<b>8,592.00</b>	<b>3,500</b>		
2021CPT.03.26.20651	New Hanover	3	SR 1209 (NB INDEPENDENCE BOULEVARD)	FROM US 117 (SHIPYARD BLVD.) TO 0.08 MI. S. OF US 17 (OLEANDER DR.) [MP 0.00 - MP 1.45]	3	2	MD	NO	NO	1.45	24 - 50	515					1,360.00	1,085	4	
<b>TOTAL FOR MAP NO. 3</b>												<b>1.45</b>		<b>515</b>	<b>4</b>	<b>2</b>	<b>1,360.00</b>	<b>1,085</b>	<b>4</b>	
2021CPT.03.26.20651	New Hanover	4	SR 1209 (SB INDEPENDENCE BOULEVARD)	FROM 0.08 MI. S. OF US 17 (OLEANDER DR.) TO US 117 (SHIPYARD BLVD.) [MP 0.90 - MP 2.35]	3	2	MD	NO	NO	1.45	24 - 60						1,359.00			
<b>TOTAL FOR MAP NO. 4</b>												<b>1.45</b>					<b>1,359.00</b>			
2021CPT.03.26.20651	New Hanover	5	SR 2581 (BEACON DRIVE)	FROM SR 1704 (HIDDEN VALLEY RD.) TO SR 2573 (WOODS EDGE DR.) [MP 0.00 - MP 0.08]	4	2	2WU	NO	NO	0.08	24									
<b>TOTAL FOR MAP NO. 5</b>												<b>0.08</b>								
2021CPT.03.26.20651	New Hanover	6	SR 1774 (CROSSWINDS DRIVE)	FROM SR 3101 (MAKO DR.) TO NC 132 (S. COLLEGE RD.) [MP 0.00 - MP 1.31]	5	2	2WU	NO	NO	1.31	28									
<b>TOTAL FOR MAP NO. 6</b>												<b>1.31</b>								
2021CPT.03.26.20651	New Hanover	7	SR 2529 (WINDJAMMER DRIVE)	SR 1774 (CROSSWINDS DR.) TO SR 2538 (WEDGEFIELD DR.) [MP 0.00 - MP 0.15]	5	2	2WU	NO	NO	0.15	18									
<b>TOTAL FOR MAP NO. 7</b>												<b>0.15</b>								
2021CPT.03.26.20651	New Hanover	8	SR 1776 (FREEBOARD COURT/NORTHEASTER DRIVE)	CUL-DE-SAC TO CUL-DE-SAC [MP 0.00 - MP 0.19]	5	2	2WU	NO	NO	0.19	20									
<b>TOTAL FOR MAP NO. 8</b>												<b>0.19</b>								
2021CPT.03.26.20651	New Hanover	9	SR 1775 (RUSHING DRIVE)	FROM SR 1774 (CROSSWINDS DR.) TO SR 1704 (HIDDEN VALLEY RD.) [MP 0.00 - MP 0.44]	5	2	2WU	NO	NO	0.44	20									
<b>TOTAL FOR MAP NO. 9</b>												<b>0.44</b>								
<b>TOTAL FOR PROJ NO. 2021CPT.03.26.20651</b>												<b>5.07</b>		<b>515</b>	<b>4</b>	<b>2</b>	<b>2,719.00</b>	<b>1,085</b>	<b>4</b>	
2021CPT.03.26.20652	New Hanover	10	SR 1216 (16TH STREET)	FROM US 17 (DAWSON ST.) TO US 117 (SHIPYARD BLVD.) [MP 1.02 - MP 3.29]	N/A	2		NO	NO	2.27	33						1,337.00			
<b>TOTAL FOR MAP NO. 10</b>												<b>2.27</b>					<b>1,337.00</b>			
2021CPT.03.26.20652	New Hanover	11	SR 1217 (17TH STREET)	FROM US 117 (SHIPYARD BLVD.) TO US 17 (DAWSON ST.) [MP 0.00 - MP 2.27]	N/A	2		NO	NO	2.27	33									
<b>TOTAL FOR MAP NO. 11</b>												<b>2.27</b>								
2021CPT.03.26.20652	New Hanover	12	SR 1849 (SCORPION DR.)	FROM SR 1363 (BAYSHORE DR.) TO 0.05 MILES N. OF SR 1891 (HIGHGREEN DR.) [MP 0.00 - MP 0.30]	6	2	2WU	NO	NO	0.3	16 - 20									
<b>TOTAL FOR MAP NO. 12</b>												<b>0.3</b>								
2021CPT.03.26.20652	New Hanover	13	SR 2400 (SAGO BAY DR.)	FROM US 421 (CAROLINA BEACH RD.) TO SAGO BAY DR. (NON-SYSTEM) [MP 0.00 - MP 0.21]	7	2	2WU	NO	NO	0.21	28									
<b>TOTAL FOR MAP NO. 13</b>												<b>0.21</b>								
<b>TOTAL FOR PROJ NO. 2021CPT.03.26.20652</b>												<b>5.05</b>					<b>1,337.00</b>			
<b>GRAND TOTAL</b>												<b>13.76</b>		<b>515</b>	<b>950</b>	<b>14</b>	<b>6</b>	<b>12,648.00</b>	<b>4,585</b>	<b>4</b>

# THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4415000000-N	4420000000-N	4434000000-N	4447000000-E	4457000000-N	4480000000-N	4510000000-N	4685000000-E		4695000000-E		4700000000-E							
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING	FLASHING ARROW BOARD	PORT CHANG MSG SIGN	SEQUENTIAL FLASHING WARNING LIGHTS	PEDESTRIAN CHANNELIZING DEVICES	TEMPORARY TRAFFIC CONTROL	TMA	LAW ENFORCEMENT	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	8" X 90 M WHITE THERMO	8" X 90 M YELLOW THERMO	12" X 90 M WHITE THERMO							
									MI	FT	SF	EA	EA	EA	LF	LS	EA	HR	LF	LF	LF	LF							
2021CPT.03.26.10651	New Hanover	1	US 17 BUSINESS (MARKET STREET)	FROM US 17 BUS. (3RD ST.) TO 0.28 MI. WEST OF SR 1175 (KERR AVE.) [MP 0.82 - MP 3.76]	1, 2	4 - 5	MU	2.94	56 - 60	330	2	4	15	240	0.21	2	400	12,988	22,250	150	100								
<b>TOTAL FOR MAP NO. 1</b>									<b>2.94</b>		<b>330</b>	<b>2</b>	<b>4</b>	<b>15</b>	<b>240</b>	<b>0.21</b>	<b>2</b>	<b>400</b>	<b>12,988</b>	<b>22,250</b>	<b>150</b>	<b>100</b>							
2021CPT.03.26.10651	New Hanover	2	US 17 BUSINESS (THIRD STREET)	FROM US 17 BUS. (WOOSTER ST.) TO US 17 BUS. (MARKET ST.) [MP 0.09 - MP 0.79]	1	4	MD	0.7	56 - 70	48	2	2	15	120	0.05	2	120	6,603	900	100									
<b>TOTAL FOR MAP NO. 2</b>									<b>0.7</b>		<b>48</b>	<b>2</b>	<b>2</b>	<b>15</b>	<b>120</b>	<b>0.05</b>	<b>2</b>	<b>120</b>	<b>6,603</b>	<b>900</b>	<b>100</b>								
<b>TOTAL FOR PROJ NO. 2021CPT.03.26.10651</b>									<b>3.64</b>		<b>378</b>	<b>4</b>	<b>6</b>	<b>30</b>	<b>360</b>	<b>0.26</b>	<b>4</b>	<b>520</b>		<b>19,591</b>	<b>23,150</b>	<b>250</b>	<b>100</b>						
																		<b>42,741</b>		<b>350</b>									
2021CPT.03.26.20651	New Hanover	3	SR 1209 (NB INDEPENDENCE BOULEVARD)	FROM US 117 (SHIPYARD BLVD.) TO 0.08 MI. S. OF US 17 (OLEANDER DR.) [MP 0.00 - MP 1.45]	3	2	MD	1.45	24 - 50	80	1	1	10		0.11	1	120	8,750	140										
<b>TOTAL FOR MAP NO. 3</b>									<b>1.45</b>		<b>80</b>	<b>1</b>	<b>1</b>	<b>10</b>		<b>0.11</b>	<b>1</b>	<b>120</b>	<b>8,750</b>	<b>140</b>									
2021CPT.03.26.20651	New Hanover	4	SR 1209 (SB INDEPENDENCE BOULEVARD)	FROM 0.08 MI. S. OF US 17 (OLEANDER DR.) TO US 117 (SHIPYARD BLVD.) [MP 0.90 - MP 2.35]	3	2	MD	1.45	24 - 60		1	1	10		0.11	1	120	8,750	192	735		268							
<b>TOTAL FOR MAP NO. 4</b>									<b>1.45</b>			<b>1</b>	<b>1</b>	<b>10</b>		<b>0.11</b>	<b>1</b>	<b>120</b>	<b>8,750</b>	<b>192</b>	<b>735</b>		<b>268</b>						
2021CPT.03.26.20651	New Hanover	5	SR 2581 (BEACON DRIVE)	FROM SR 1704 (HIDDEN VALLEY RD.) TO SR 2573 (WOODS EDGE DR.) [MP 0.00 - MP 0.08]	4	2	2WU	0.08	24						0.01														
<b>TOTAL FOR MAP NO. 5</b>									<b>0.08</b>							<b>0.01</b>													
2021CPT.03.26.20651	New Hanover	6	SR 1774 (CROSSWINDS DRIVE)	FROM SR 3101 (MAKO DR.) TO NC 132 (S. COLLEGE RD.) [MP 0.00 - MP 1.31]	5	2	2WU	1.31	28						0.09														
<b>TOTAL FOR MAP NO. 6</b>									<b>1.31</b>							<b>0.09</b>													
2021CPT.03.26.20651	New Hanover	7	SR 2529 (WINDJAMMER DRIVE)	SR 1774 (CROSSWINDS DR.) TO SR 2538 (WEDGEFIELD DR.) [MP 0.00 - MP 0.15]	5	2	2WU	0.15	18						0.01														
<b>TOTAL FOR MAP NO. 7</b>									<b>0.15</b>							<b>0.01</b>													
2021CPT.03.26.20651	New Hanover	8	SR 1776 (FREEBOARD COURT/NORTHEASTER DRIVE)	CUL-DE-SAC TO CUL-DE-SAC [MP 0.00 - MP 0.19]	5	2	2WU	0.19	20						0.02														
<b>TOTAL FOR MAP NO. 8</b>									<b>0.19</b>							<b>0.02</b>													
2021CPT.03.26.20651	New Hanover	9	SR 1775 (RUSHING DRIVE)	FROM SR 1774 (CROSSWINDS DR.) TO SR 1704 (HIDDEN VALLEY RD.) [MP 0.00 - MP 0.44]	5	2	2WU	0.44	20						0.03														
<b>TOTAL FOR MAP NO. 9</b>									<b>0.44</b>							<b>0.03</b>													
<b>TOTAL FOR PROJ NO. 2021CPT.03.26.20651</b>									<b>5.07</b>		<b>80</b>	<b>2</b>	<b>2</b>	<b>20</b>		<b>0.38</b>	<b>2</b>	<b>240</b>		<b>17,500</b>	<b>332</b>		<b>735</b>		<b>268</b>				
																		<b>17,832</b>		<b>735</b>									
2021CPT.03.26.20652	New Hanover	10	SR 1216 (16TH STREET)	FROM US 17 (DAWSON ST.) TO US 117 (SHIPYARD BLVD.) [MP 1.02 - MP 3.29]	N/A	2		2.27	33	48	1	1	10		0.16	1	160												
<b>TOTAL FOR MAP NO. 10</b>									<b>2.27</b>		<b>48</b>	<b>1</b>	<b>1</b>	<b>10</b>		<b>0.16</b>	<b>1</b>	<b>160</b>											
2021CPT.03.26.20652	New Hanover	11	SR 1217 (17TH STREET)	FROM US 117 (SHIPYARD BLVD.) TO US 17 (DAWSON ST.) [MP 0.00 - MP 2.27]	N/A	2		2.27	33	48	1	1	10		0.16	1	160												
<b>TOTAL FOR MAP NO. 11</b>									<b>2.27</b>		<b>48</b>	<b>1</b>	<b>1</b>	<b>10</b>		<b>0.16</b>	<b>1</b>	<b>160</b>											
2021CPT.03.26.20652	New Hanover	12	SR 1849 (SCORPION DR.)	FROM SR 1363 (BAYSHORE DR.) TO 0.05 MILES N. OF SR 1891 (HIGHGREEN DR.) [MP 0.00 - MP 0.30]	6	2	2WU	0.3	16 - 20						0.02														
<b>TOTAL FOR MAP NO. 12</b>									<b>0.3</b>							<b>0.02</b>													
2021CPT.03.26.20652	New Hanover	13	SR 2400 (SAGO BAY DR.)	FROM US 421 (CAROLINA BEACH RD.) TO SAGO BAY DR. (NON-SYSTEM) [MP 0.00 - MP 0.21]	7	2	2WU	0.21	28						0.02														
<b>TOTAL FOR MAP NO. 13</b>									<b>0.21</b>							<b>0.02</b>													
<b>TOTAL FOR PROJ NO. 2021CPT.03.26.20652</b>									<b>5.05</b>		<b>96</b>	<b>2</b>	<b>2</b>	<b>20</b>		<b>0.36</b>	<b>2</b>	<b>320</b>											
<b>GRAND TOTAL</b>									<b>13.76</b>		<b>554</b>	<b>8</b>	<b>10</b>	<b>70</b>		<b>360</b>	<b>1.00</b>	<b>8</b>	<b>1,080</b>		<b>37,091</b>	<b>23,482</b>	<b>985</b>	<b>100</b>	<b>268</b>				
																		<b>60,573</b>		<b>1,085</b>									

PROJECT NO.	SHEET NO.
2021CPT.03.26.10651, Etc.	22

# THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	472000000-E		472500000-E					481000000-E		482000000-E		483500000-E		
										THERMO RXR 90 MILS	THERMO MSG SCHOOL 90 M	THERMO STR ARROW 90 M	THERMO LT ARROW 90 M	THERMO RT ARROW 90 M	THERMO STR & RT ARROW 90 M	THERMO STR & LT ARROW 90 M	24" YIELD LINE TRIANGLE (90 MIL)	4" WHITE PAINT	4" YELLOW PAINT	8" WHITE PAINT	8" YELLOW PAINT	24" WHITE PAINT	
										EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
2021CPT.03.26.10651	New Hanover	1	US 17 BUSINESS (MARKET STREET)	FROM US 17 BUS. (3RD ST.) TO 0.28 MI. WEST OF SR 1175 (KERR AVE.) [MP 0.82 - MP 3.76]	1, 2	4 - 5	MU	2.94	56 - 60	12	12	50	13	5	83	49		520	587	560	280	40	
<b>TOTAL FOR MAP NO. 1</b>																	<b>520</b>	<b>587</b>	<b>560</b>	<b>280</b>	<b>40</b>		
2021CPT.03.26.10651	New Hanover	2	US 17 BUSINESS (THIRD STREET)	FROM US 17 BUS. (WOOSTER ST.) TO US 17 BUS. (MARKET ST.) [MP 0.09 - MP 0.79]	1	4	MD	0.7	56 - 70			13	8	2	25	16							
<b>TOTAL FOR MAP NO. 2</b>																							
<b>TOTAL FOR PROJ NO. 2021CPT.03.26.10651</b>																							
										<b>12</b>	<b>12</b>	<b>63</b>	<b>21</b>	<b>7</b>	<b>108</b>	<b>65</b>	<b>20</b>	<b>520</b>	<b>587</b>	<b>560</b>	<b>280</b>	<b>40</b>	
										<b>24</b>	<b>284</b>					<b>1,107</b>		<b>840</b>					
2021CPT.03.26.20651	New Hanover	3	SR 1209 (NB INDEPENDENCE BOULEVARD)	FROM US 117 (SHIPYARD BLVD.) TO 0.08 MI. S. OF US 17 (OLEANDER DR.) [MP 0.00 - MP 1.45]	3	2	MD	1.45	24 - 50			6	32	19	3	4							
<b>TOTAL FOR MAP NO. 3</b>																							
2021CPT.03.26.20651	New Hanover	4	SR 1209 (SB INDEPENDENCE BOULEVARD)	FROM 0.08 MI. S. OF US 17 (OLEANDER DR.) TO US 117 (SHIPYARD BLVD.) [MP 0.90 - MP 2.35]	3	2	MD	1.45	24 - 60			6	20	17	3	5							
<b>TOTAL FOR MAP NO. 4</b>																							
2021CPT.03.26.20651	New Hanover	5	SR 2581 (BEACON DRIVE)	FROM SR 1704 (HIDDEN VALLEY RD.) TO SR 2573 (WOODS EDGE DR.) [MP 0.00 - MP 0.08]	4	2	2WU	0.08	24														
<b>TOTAL FOR MAP NO. 5</b>																							
2021CPT.03.26.20651	New Hanover	6	SR 1774 (CROSSWINDS DRIVE)	FROM SR 3101 (MAKO DR.) TO NC 132 (S. COLLEGE RD.) [MP 0.00 - MP 1.31]	5	2	2WU	1.31	28														
<b>TOTAL FOR MAP NO. 6</b>																							
2021CPT.03.26.20651	New Hanover	7	SR 2529 (WINDJAMMER DRIVE)	SR 1774 (CROSSWINDS DR.) TO SR 2538 (WEDGEFIELD DR.) [MP 0.00 - MP 0.15]	5	2	2WU	0.15	18														
<b>TOTAL FOR MAP NO. 7</b>																							
2021CPT.03.26.20651	New Hanover	8	SR 1776 (FREEBOARD COURT/NORTHEASTER DRIVE)	CUL-DE-SAC TO CUL-DE-SAC [MP 0.00 - MP 0.19]	5	2	2WU	0.19	20														
<b>TOTAL FOR MAP NO. 8</b>																							
2021CPT.03.26.20651	New Hanover	9	SR 1775 (RUSHING DRIVE)	FROM SR 1774 (CROSSWINDS DR.) TO SR 1704 (HIDDEN VALLEY RD.) [MP 0.00 - MP 0.44]	5	2	2WU	0.44	20														
<b>TOTAL FOR MAP NO. 9</b>																							
<b>TOTAL FOR PROJ NO. 2021CPT.03.26.20651</b>																							
										<b>12</b>	<b>52</b>	<b>36</b>	<b>6</b>	<b>9</b>									
										<b>12</b>	<b>103</b>												
2021CPT.03.26.20652	New Hanover	10	SR 1216 (16TH STREET)	FROM US 17 (DAWSON ST.) TO US 117 (SHIPYARD BLVD.) [MP 1.02 - MP 3.29]	N/A	2		2.27	33												300	100	
<b>TOTAL FOR MAP NO. 10</b>																					<b>300</b>	<b>100</b>	
2021CPT.03.26.20652	New Hanover	11	SR 1217 (17TH STREET)	FROM US 117 (SHIPYARD BLVD.) TO US 17 (DAWSON ST.) [MP 0.00 - MP 2.27]	N/A	2		2.27	33												300	100	
<b>TOTAL FOR MAP NO. 11</b>																					<b>300</b>	<b>100</b>	
2021CPT.03.26.20652	New Hanover	12	SR 1849 (SCORPION DR.)	FROM SR 1363 (BAYSHORE DR.) TO 0.05 MILES N. OF SR 1891 (HIGHGREEN DR.) [MP 0.00 - MP 0.30]	6	2	2WU	0.3	16 - 20														
<b>TOTAL FOR MAP NO. 12</b>																							
2021CPT.03.26.20652	New Hanover	13	SR 2400 (SAGO BAY DR.)	FROM US 421 (CAROLINA BEACH RD.) TO SAGO BAY DR. (NON-SYSTEM) [MP 0.00 - MP 0.21]	7	2	2WU	0.21	28														
<b>TOTAL FOR MAP NO. 13</b>																							
<b>TOTAL FOR PROJ NO. 2021CPT.03.26.20652</b>																							
<b>GRAND TOTAL</b>																							
										<b>12</b>	<b>24</b>	<b>115</b>	<b>57</b>	<b>13</b>	<b>117</b>	<b>65</b>	<b>20</b>	<b>1,120</b>	<b>587</b>	<b>560</b>	<b>280</b>	<b>240</b>	
										<b>36</b>	<b>387</b>					<b>1,707</b>		<b>840</b>					

PROJECT NO.	SHEET NO.
2021CPT.03.26.10651, Etc.	23

## THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4845000000-N		4891000000-E	4900000000-N	4905000000-N	
										PAINT STR ARROW	PAINT STR & RT ARROW	24" X 90 M WHITE THERMO	YELLOW & YELLOW MARKERS	SNOW PLOWABLE MARKERS (C/R)	SNOW PLOWABLE MARKERS (Y/Y)
										EA	EA	LF	EA	EA	EA
2021CPT.03.26.10651	New Hanover	1	US 17 BUSINESS (MARKET STREET)	FROM US 17 BUS. (3RD ST.) TO 0.28 MI. WEST OF SR 1175 (KERR AVE.) [MP 0.82 - MP 3.76]	1, 2	4 - 5	MU	2.94	56 - 60	2	2	2,695		370	130
<b>TOTAL FOR MAP NO. 1</b>								<b>2.94</b>		<b>2</b>	<b>2</b>	<b>2,695</b>		<b>370</b>	<b>130</b>
2021CPT.03.26.10651	New Hanover	2	US 17 BUSINESS (THIRD STREET)	FROM US 17 BUS. (WOOSTER ST.) TO US 17 BUS. (MARKET ST.) [MP 0.09 - MP 0.79]	1	4	MD	0.7	56 - 70			640		126	20
<b>TOTAL FOR MAP NO. 2</b>								<b>0.7</b>				<b>640</b>		<b>126</b>	<b>20</b>
<b>TOTAL FOR PROJ NO. 2021CPT.03.26.10651</b>								<b>3.64</b>		<b>2</b>	<b>2</b>	<b>3,335</b>		<b>496</b>	<b>150</b>
										<b>4</b>			<b>646</b>		
2021CPT.03.26.20651	New Hanover	3	SR 1209 (NB INDEPENDENCE BOULEVARD)	FROM US 117 (SHIPYARD BLVD.) TO 0.08 MI. S. OF US 17 (OLEANDER DR.) [MP 0.00 - MP 1.45]	3	2	MD	1.45	24 - 50			290	34	254	
<b>TOTAL FOR MAP NO. 3</b>								<b>1.45</b>				<b>290</b>	<b>34</b>	<b>254</b>	
2021CPT.03.26.20651	New Hanover	4	SR 1209 (SB INDEPENDENCE BOULEVARD)	FROM 0.08 MI. S. OF US 17 (OLEANDER DR.) TO US 117 (SHIPYARD BLVD.) [MP 0.90 - MP 2.35]	3	2	MD	1.45	24 - 60			433	8	273	
<b>TOTAL FOR MAP NO. 4</b>								<b>1.45</b>				<b>433</b>	<b>8</b>	<b>273</b>	
2021CPT.03.26.20651	New Hanover	5	SR 2581 (BEACON DRIVE)	FROM SR 1704 (HIDDEN VALLEY RD.) TO SR 2573 (WOODS EDGE DR.) [MP 0.00 - MP 0.08]	4	2	2WU	0.08	24						
<b>TOTAL FOR MAP NO. 5</b>								<b>0.08</b>							
2021CPT.03.26.20651	New Hanover	6	SR 1774 (CROSSWINDS DRIVE)	FROM SR 3101 (MAKO DR.) TO NC 132 (S. COLLEGE RD.) [MP 0.00 - MP 1.31]	5	2	2WU	1.31	28						
<b>TOTAL FOR MAP NO. 6</b>								<b>1.31</b>							
2021CPT.03.26.20651	New Hanover	7	SR 2529 (WINDJAMMER DRIVE)	SR 1774 (CROSSWINDS DR.) TO SR 2538 (WEDGEFIELD DR.) [MP 0.00 - MP 0.15]	5	2	2WU	0.15	18						
<b>TOTAL FOR MAP NO. 7</b>								<b>0.15</b>							
2021CPT.03.26.20651	New Hanover	8	SR 1776 (FREEBOARD COURT/NORTHEASTER DRIVE)	CUL-DE-SAC TO CUL-DE-SAC [MP 0.00 - MP 0.19]	5	2	2WU	0.19	20						
<b>TOTAL FOR MAP NO. 8</b>								<b>0.19</b>							
2021CPT.03.26.20651	New Hanover	9	SR 1775 (RUSHING DRIVE)	FROM SR 1774 (CROSSWINDS DR.) TO SR 1704 (HIDDEN VALLEY RD.) [MP 0.00 - MP 0.44]	5	2	2WU	0.44	20						
<b>TOTAL FOR MAP NO. 9</b>								<b>0.44</b>							
<b>TOTAL FOR PROJ NO. 2021CPT.03.26.20651</b>								<b>5.07</b>				<b>723</b>	<b>42</b>	<b>527</b>	
													<b>527</b>		
2021CPT.03.26.20652	New Hanover	10	SR 1216 (16TH STREET)	FROM US 17 (DAWSON ST.) TO US 117 (SHIPYARD BLVD.) [MP 1.02 - MP 3.29]	N/A	2		2.27	33						
<b>TOTAL FOR MAP NO. 10</b>								<b>2.27</b>							
2021CPT.03.26.20652	New Hanover	11	SR 1217 (17TH STREET)	FROM US 117 (SHIPYARD BLVD.) TO US 17 (DAWSON ST.) [MP 0.00 - MP 2.27]	N/A	2		2.27	33						
<b>TOTAL FOR MAP NO. 11</b>								<b>2.27</b>							
2021CPT.03.26.20652	New Hanover	12	SR 1849 (SCORPION DR.)	FROM SR 1363 (BAYSHORE DR.) TO 0.05 MILES N. OF SR 1891 (HIGHGREEN DR.) [MP 0.00 - MP 0.30]	6	2	2WU	0.3	16 - 20						
<b>TOTAL FOR MAP NO. 12</b>								<b>0.3</b>							
2021CPT.03.26.20652	New Hanover	13	SR 2400 (SAGO BAY DR.)	FROM US 421 (CAROLINA BEACH RD.) TO SAGO BAY DR. (NON-SYSTEM) [MP 0.00 - MP 0.21]	7	2	2WU	0.21	28						
<b>TOTAL FOR MAP NO. 13</b>								<b>0.21</b>							
<b>TOTAL FOR PROJ NO. 2021CPT.03.26.20652</b>								<b>5.05</b>							
<b>GRAND TOTAL</b>								<b>13.76</b>		<b>2</b>	<b>2</b>	<b>4,058</b>	<b>42</b>	<b>1,023</b>	<b>150</b>
										<b>4</b>			<b>1,173</b>		

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

---



---

## ***SOIL STABILIZATION TIMEFRAMES***

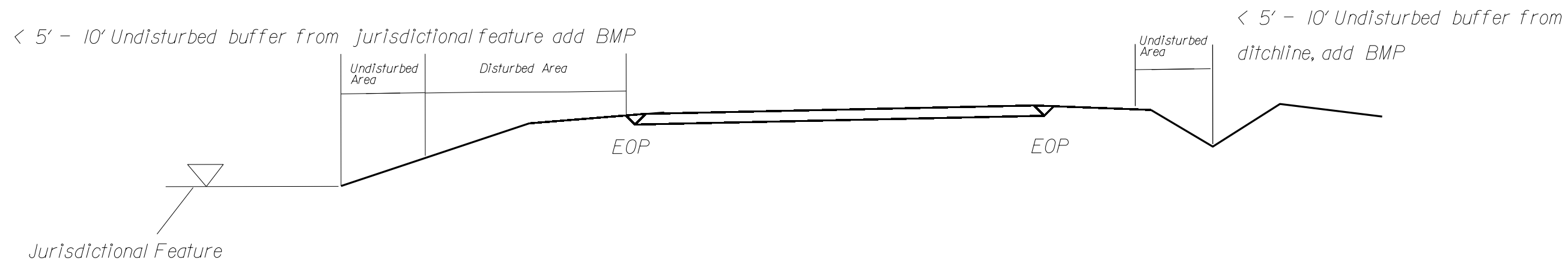
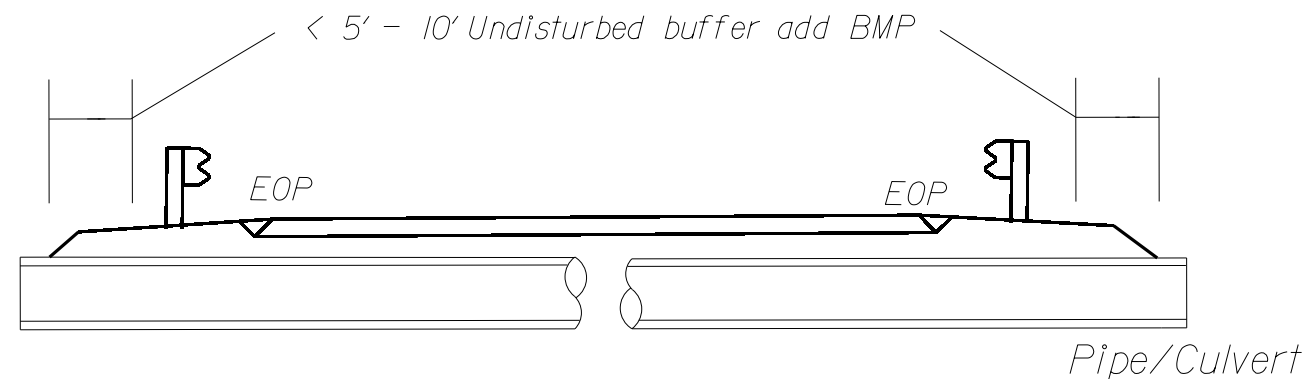
<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.



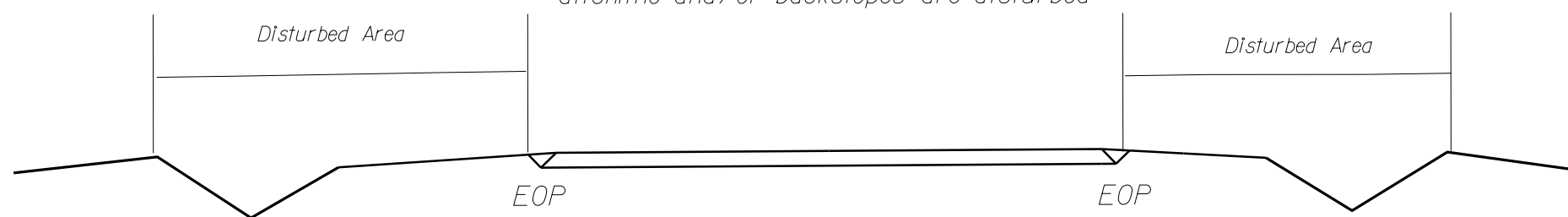
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

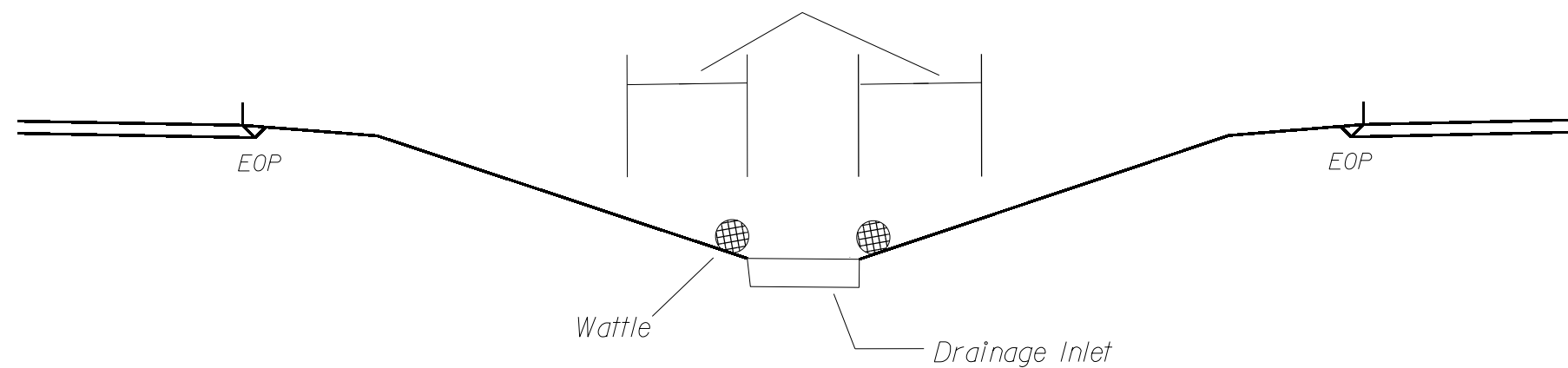
# EROSION CONTROL DETAIL



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

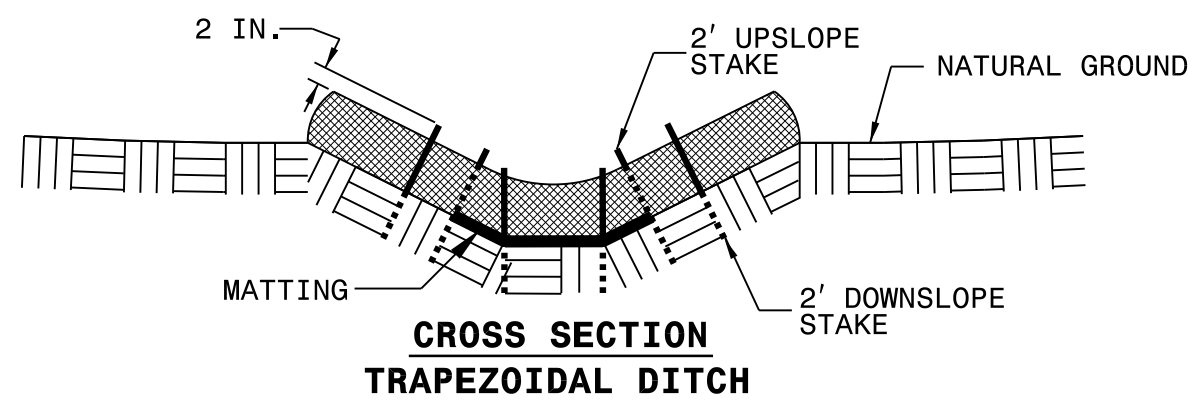
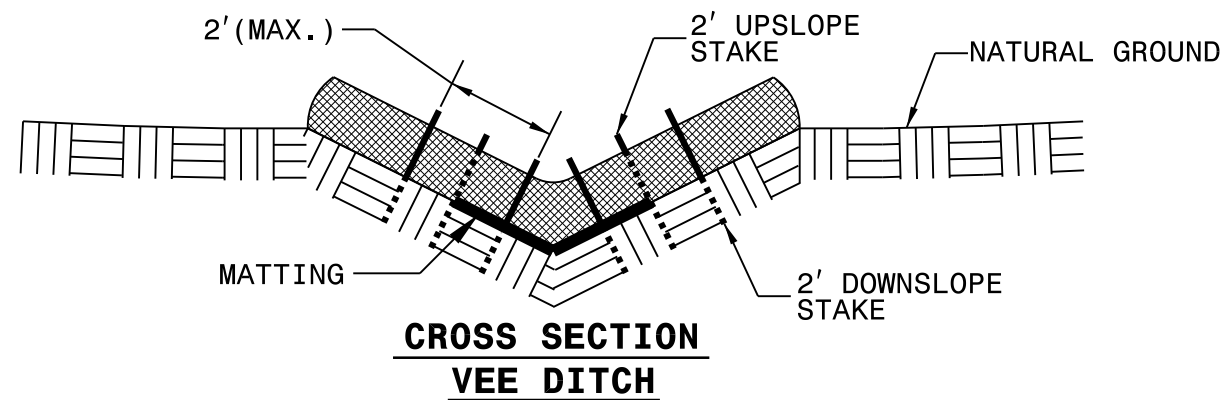
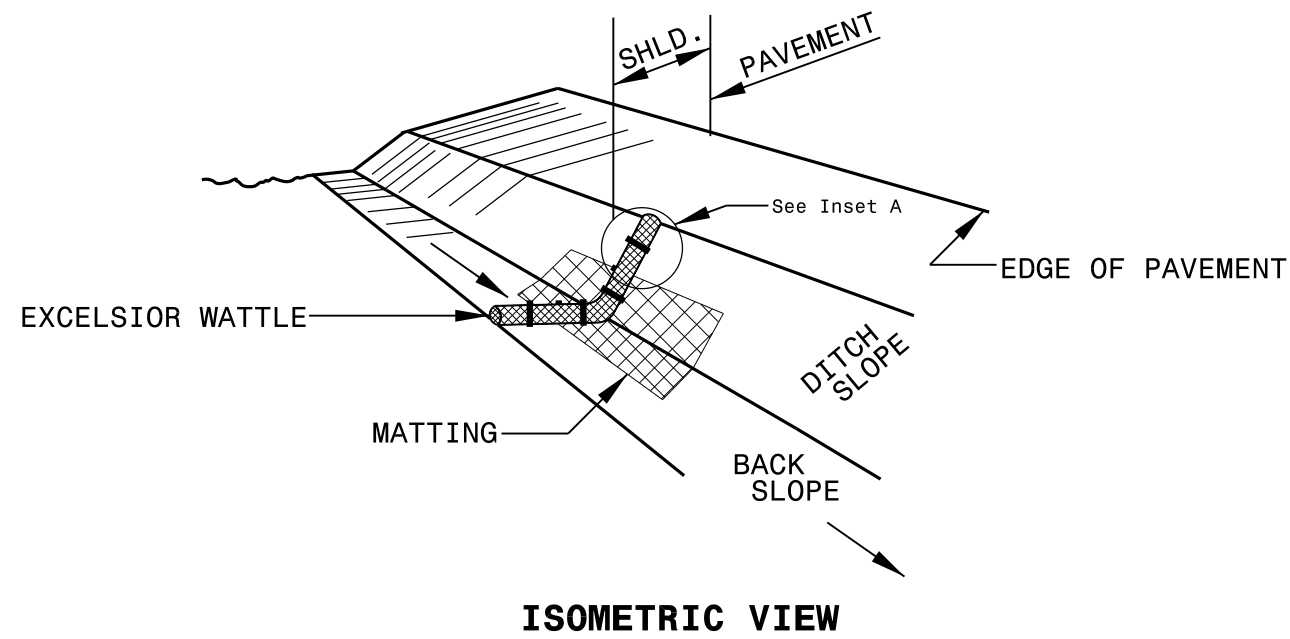


< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE

# WATTLE DETAIL



**NOTES:**

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

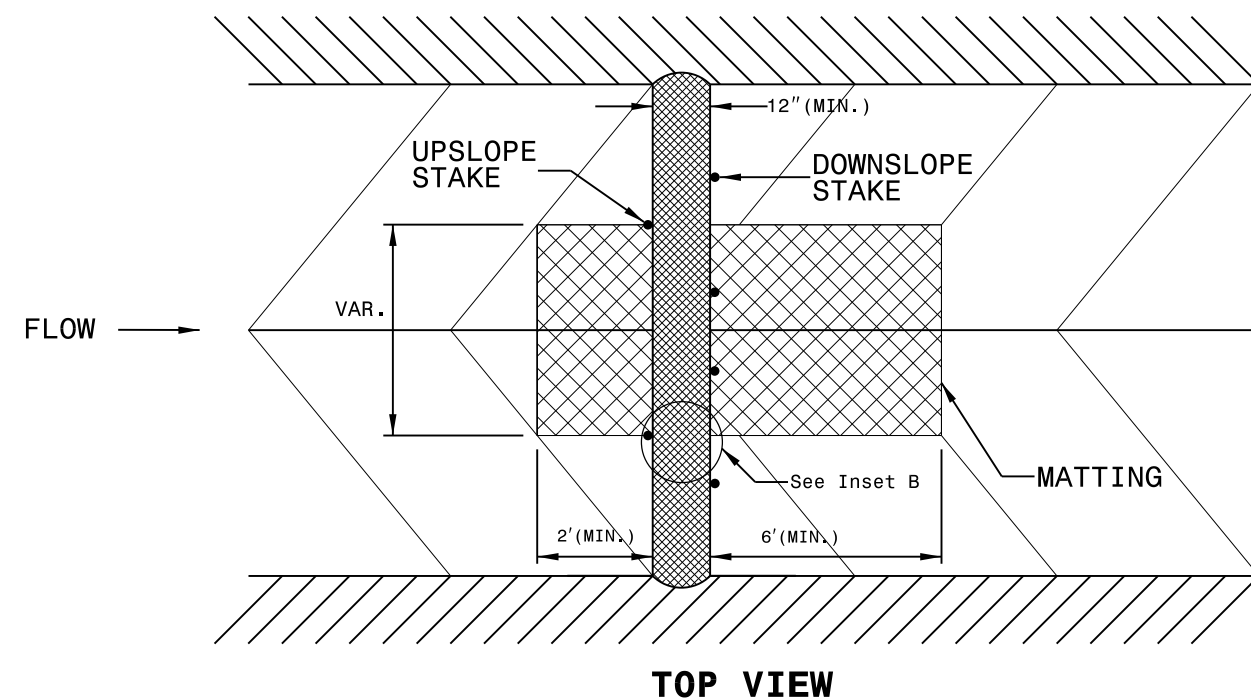
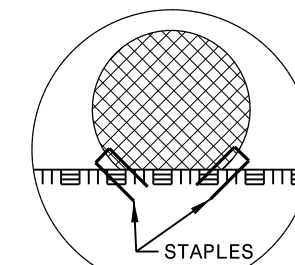
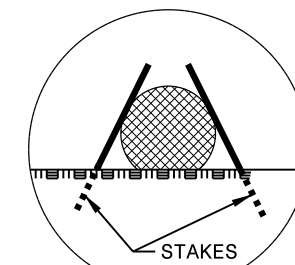
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

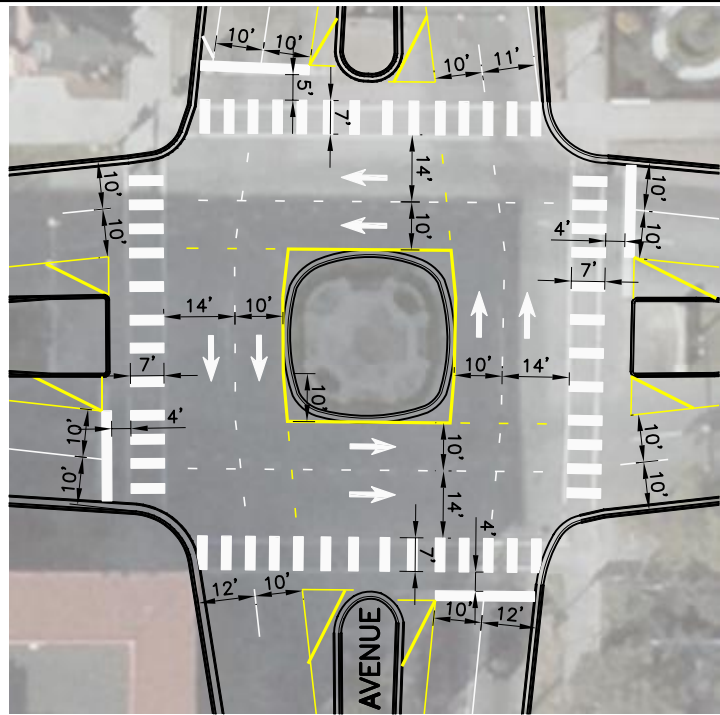
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

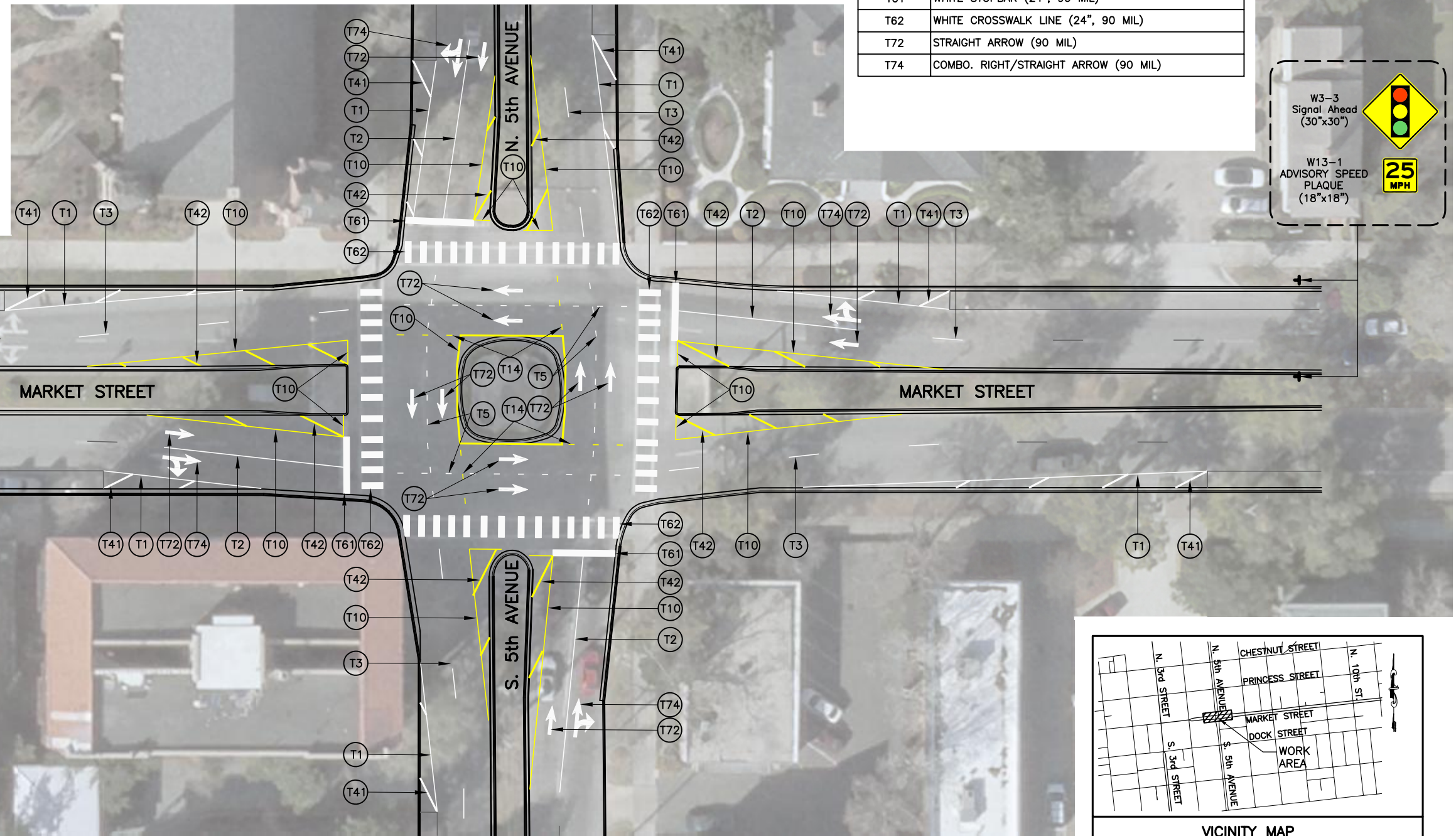
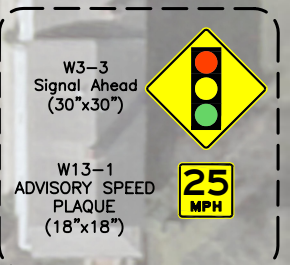


I:\FEB-2015\1141\01\Resurfacing\Plan\_Sheets\3CR.20711.173. EC RESURF. 2015.dgn

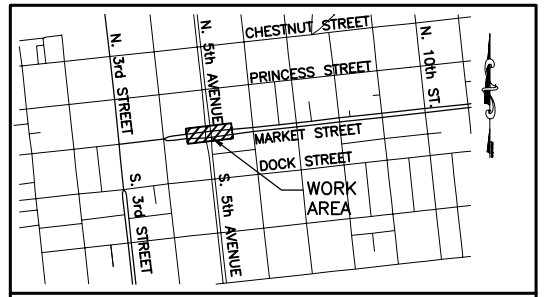
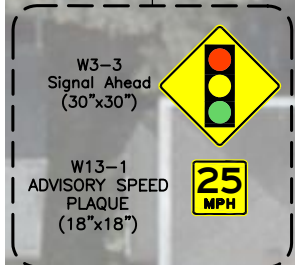


Dimension Plan

LEGEND	
SYMBOL	DESCRIPTION
T1	WHITE EDGELINE (4", 90 MIL)
T2	WHITE SOLID LANE LINE (4", 90 MIL)
T3	10 FT. WHITE SKIP (4", 90 MIL)
T5	2 FT. - 6 FT./SP WHITE MINISKIP (4", 90 MIL)
T10	YELLOW EDGELINE (4", 90 MIL)
T14	2 FT. - 6 FT.SP YELLOW MINISKIP (4", 90 MIL)
T41	WHITE DIAGONAL (8", 90 MIL)
T42	YELLOW DIAGONAL (8", 90 MIL)
T61	WHITE STOPBAR (24", 90 MIL)
T62	WHITE CROSSWALK LINE (24", 90 MIL)
T72	STRAIGHT ARROW (90 MIL)
T74	COMBO. RIGHT/STRAIGHT ARROW (90 MIL)



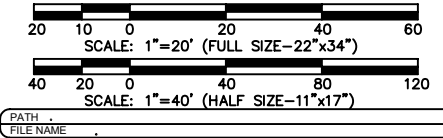
Pavement Marking Plan



VICINITY MAP

REV. #1	REVISIONS

DATE: JUNE 16, 2021  
 DRAWN: RDT  
 CHECKED: DAV



PROPOSED INTERSECTION SAFETY IMPROVEMENT  
 PAVEMENT MARKING RE-STRIPPING PLAN  
 MARKET STREET AT 5TH AVENUE

PMP

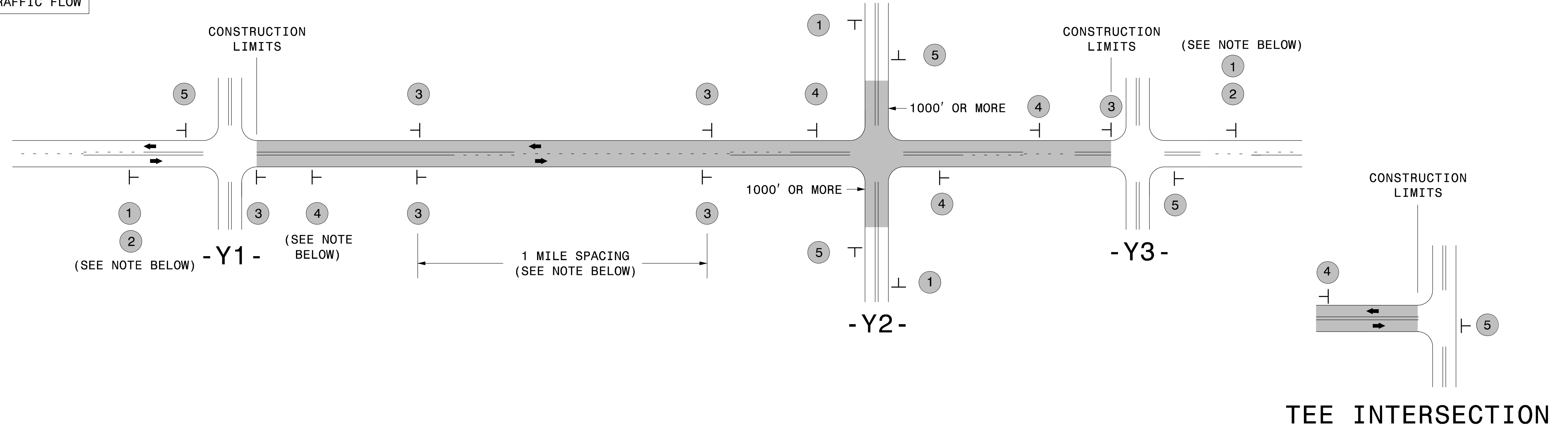
SHEET 1 of 1

# SIGNING FOR RESURFACING PROJECTS

**LEGEND**

┆ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW



## MAINLINE (-L-) SIGNING

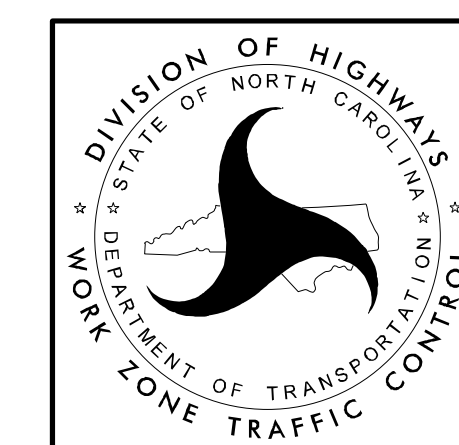
## -Y- LINE SIGNING

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>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, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">               W20-1 48" X 48"              PLACED 500' IN ADVANCE OF FLAGGER.         </div> <div style="text-align: center;">               W20-7 A 48" X 48"              PLACED 250' IN ADVANCE OF FLAGGER.         </div> </div>
	2		#2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)	
	3		- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.	
	4		- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. - DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. - INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. - FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. - A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.	
	5		PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.	

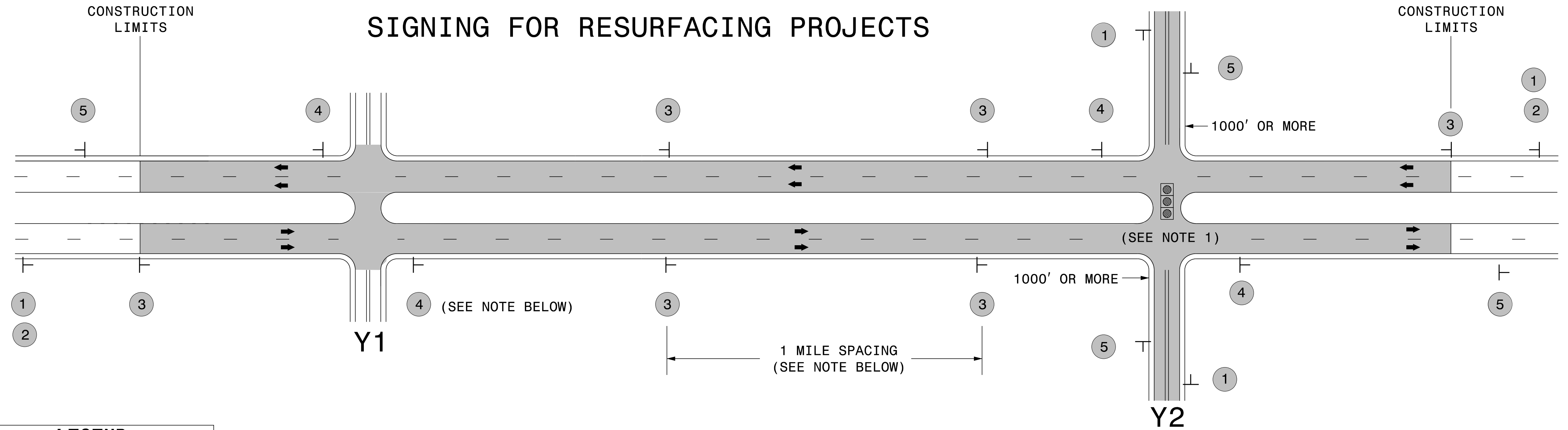
THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.

### MAPS LESS THAN 2 MILES

FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.



ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING



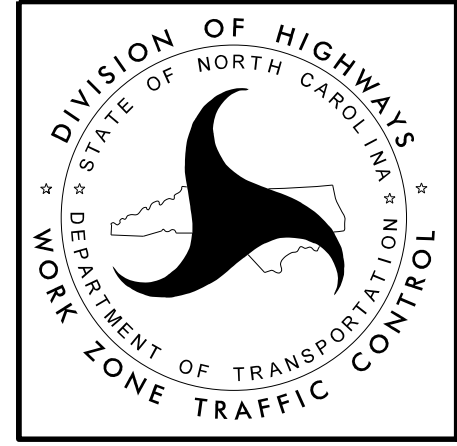
**LEGEND**  
 ┆ STATIONARY SIGN  
 ← DIRECTION OF TRAFFIC FLOW

**MAINLINE (-L-) SIGNING**

**-Y- LINE SIGNING**

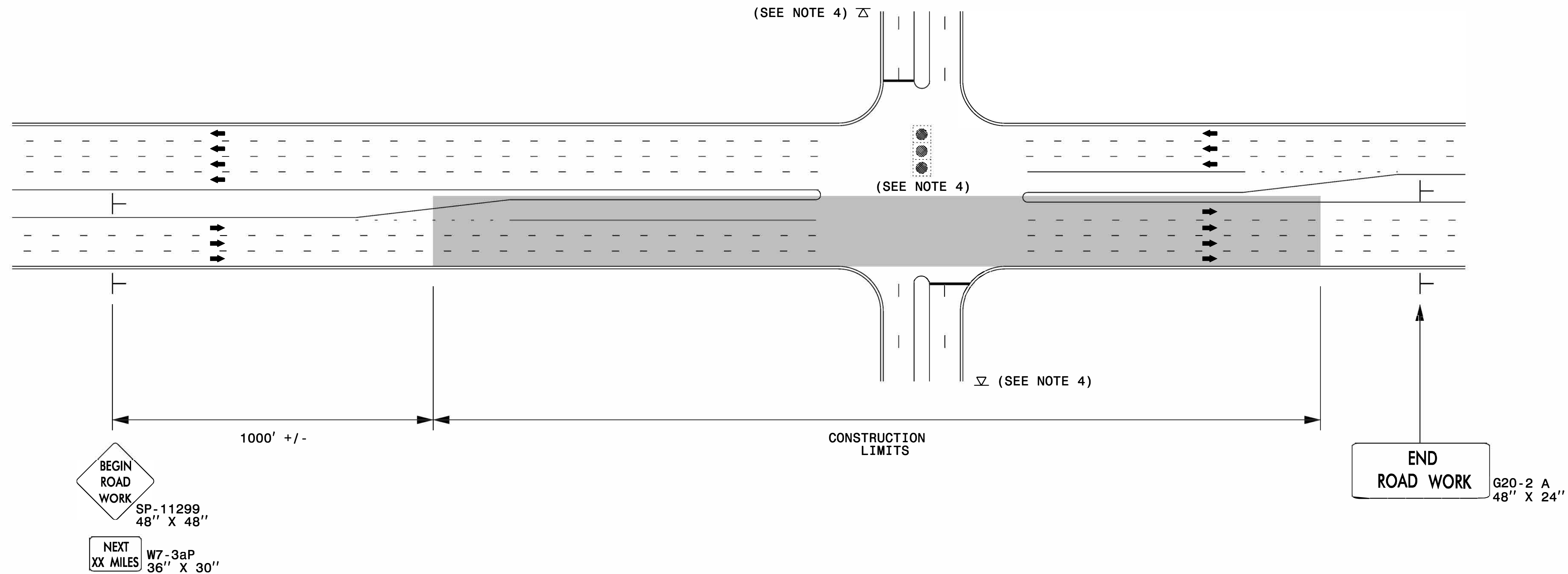
SIGNING NOTES AND PLACEMENT PER DIRECTION	1	 W20-1 48" X 48"	PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	<p><b>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</b></p> <ol style="list-style-type: 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> <p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>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.</li> </ol>
	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.		

3/23/2015  
 C:\Users\rmgarrrett\Downloads\Resurfacing\_AdvWarn\_Ltr-Su\_Shldr.dgn  
 User:rmgarrrett



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

## URBAN / SUBURBAN WORKZONES

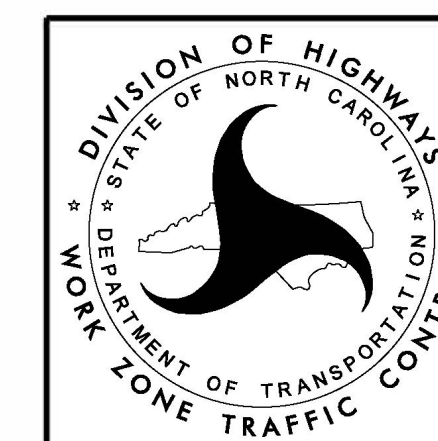


### NOTES:

- 1) 48" x 48" SIZED SIGNS (SP- 11299) MAY BE REDUCED TO 36" X 36" ON ROADWAYS WITH SPEED LIMITS OF 40 MPH OR LESS.
- 2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
- 3) ADVANCE WARNING SIGNS NOT REQUIRED ON NON-SIGNALIZED SIDE STREETS.
- 4) 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.
- 5) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 2' AS MEASURED FROM THE EDGE OF PAVEMENT OR THE FACE OF THE CURB. WHEN UNABLE TO OBTAIN THE LATERAL CLEARANCE WITHIN THE MEDIAN AREA USE SHOULDER MOUNTS ONLY.
- 6) SIGN MOUNT LOCATIONS SHALL NOT BLOCK SIDEWALKS OR DRIVEWAYS.
- 7) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
- 8) IF MILLED AREAS ARE NOT PAVED BACK BY THE END OF THE WORK DAY, PORTABLE SIGNS SHALL BE USED TO WARN DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8, "UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER WHERE LATERAL CLEARANCE CAN BE OBTAINED WITHIN THE MEDIAN AREAS. THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

### LEGEND

- ├ STATIONARY SIGN
- ➔ DIRECTION OF TRAFFIC FLOW



**RESURFACING ADVANCE  
WARNING SIGNS FOR  
URBAN / SUBURBAN  
FACILITIES**