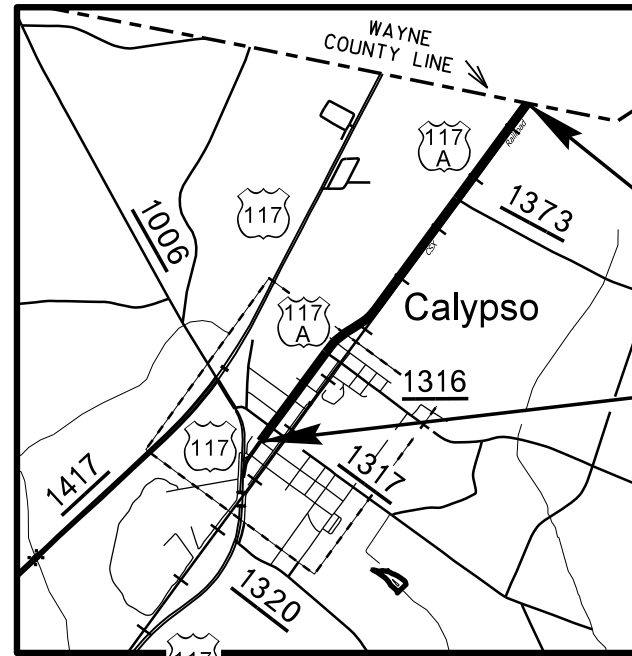


MAPS N.T.S.

# DUPLIN COUNTY

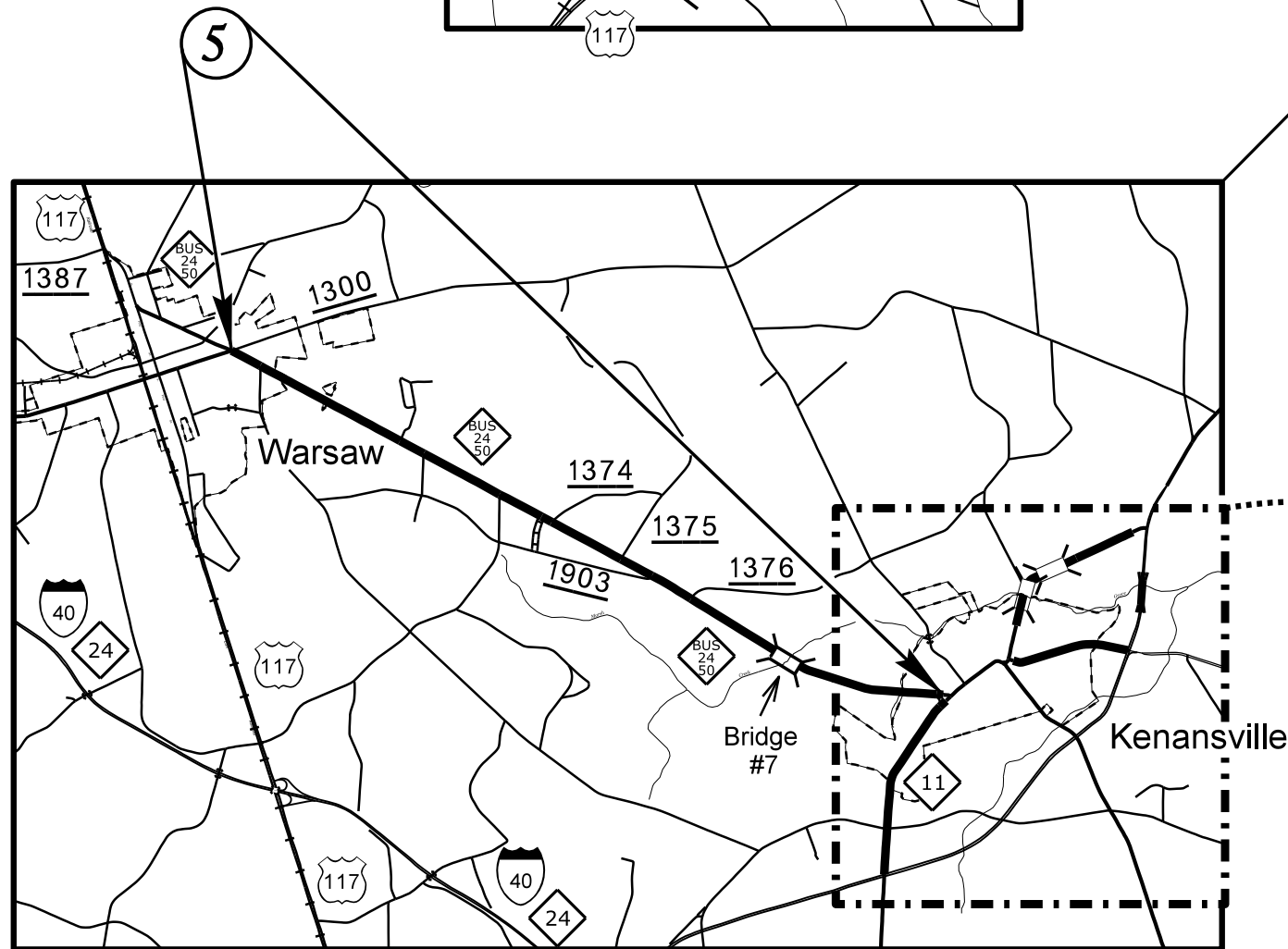


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US 117 ALT.

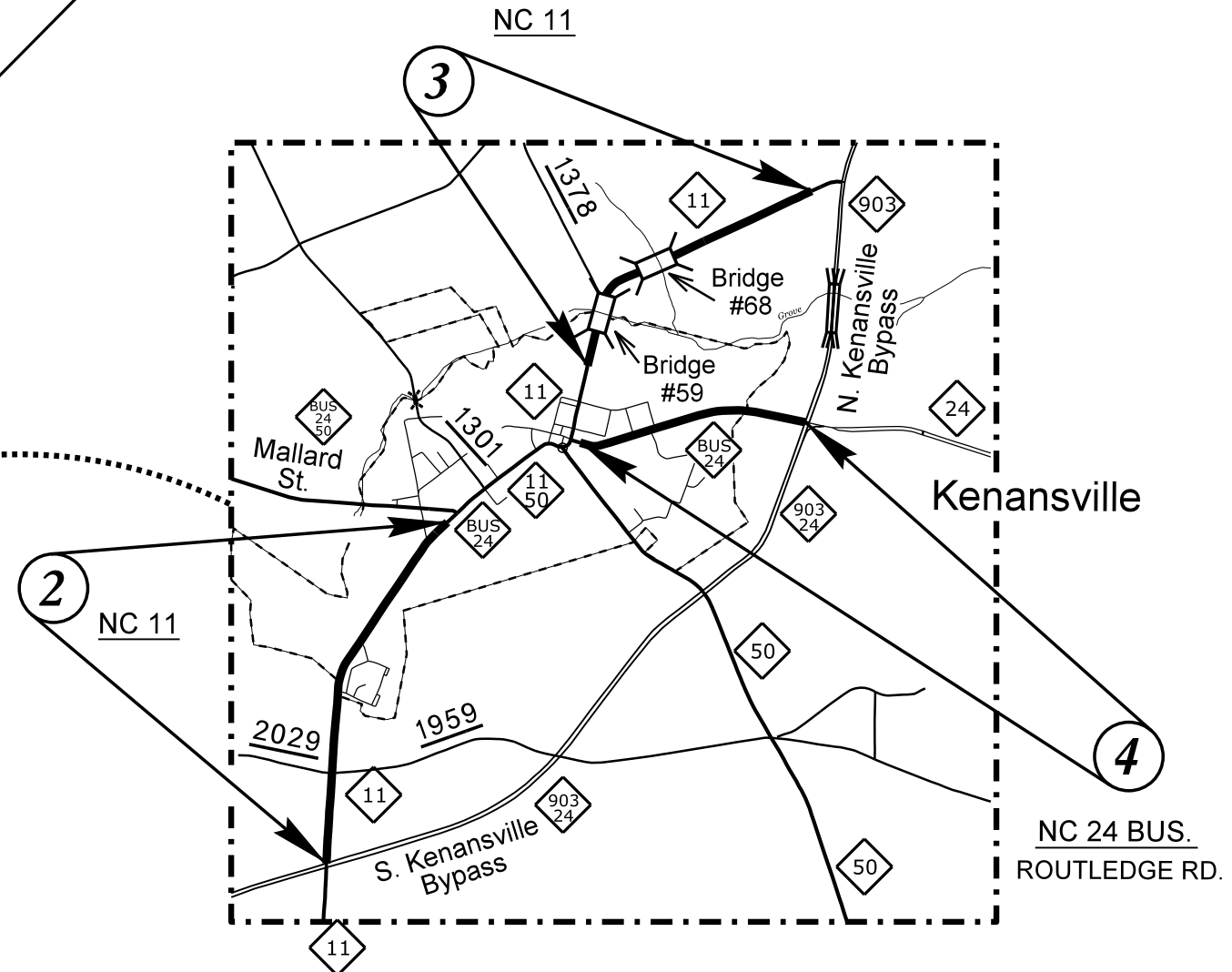


DUPLIN COUNTY

NC 24 BUS. / NC 50



**5**



NC 11

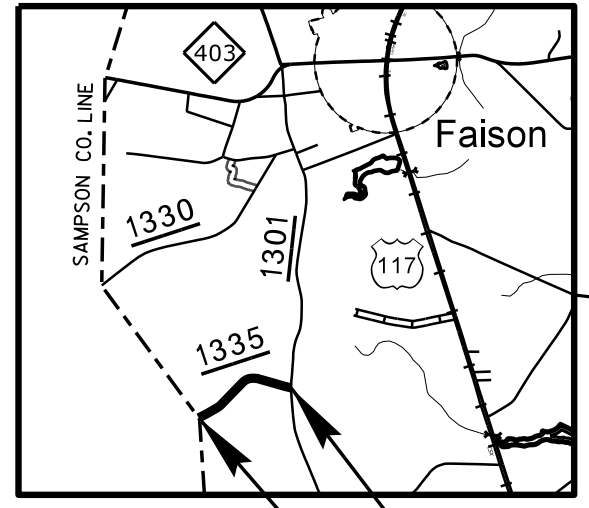
**2**  
NC 11

NC 24 BUS.  
ROUTLEDGE RD.

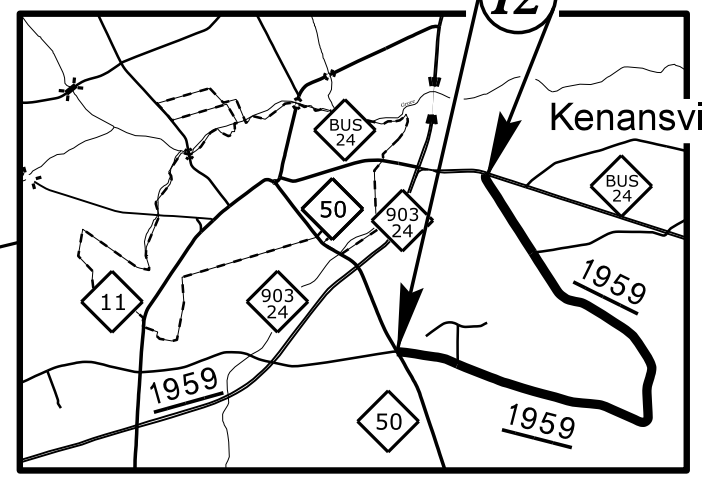
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 \$\$\$SUSPENSE\$\$\$

REVISIONS

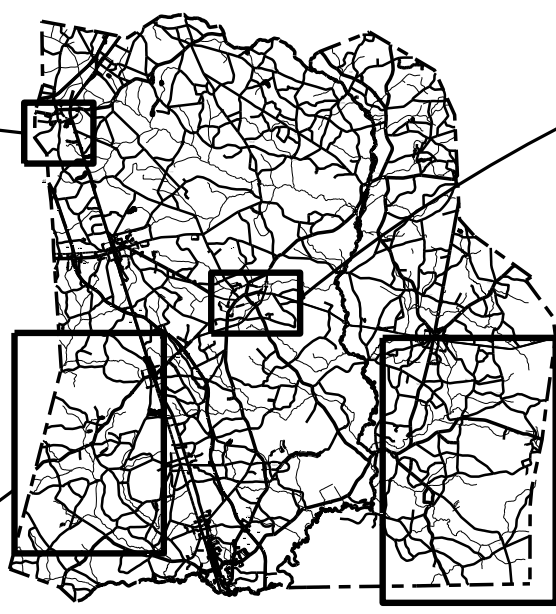
***DUPLIN COUNTY - CONT.***



**SR 1335**  
JOHN WARREN RD. **15**

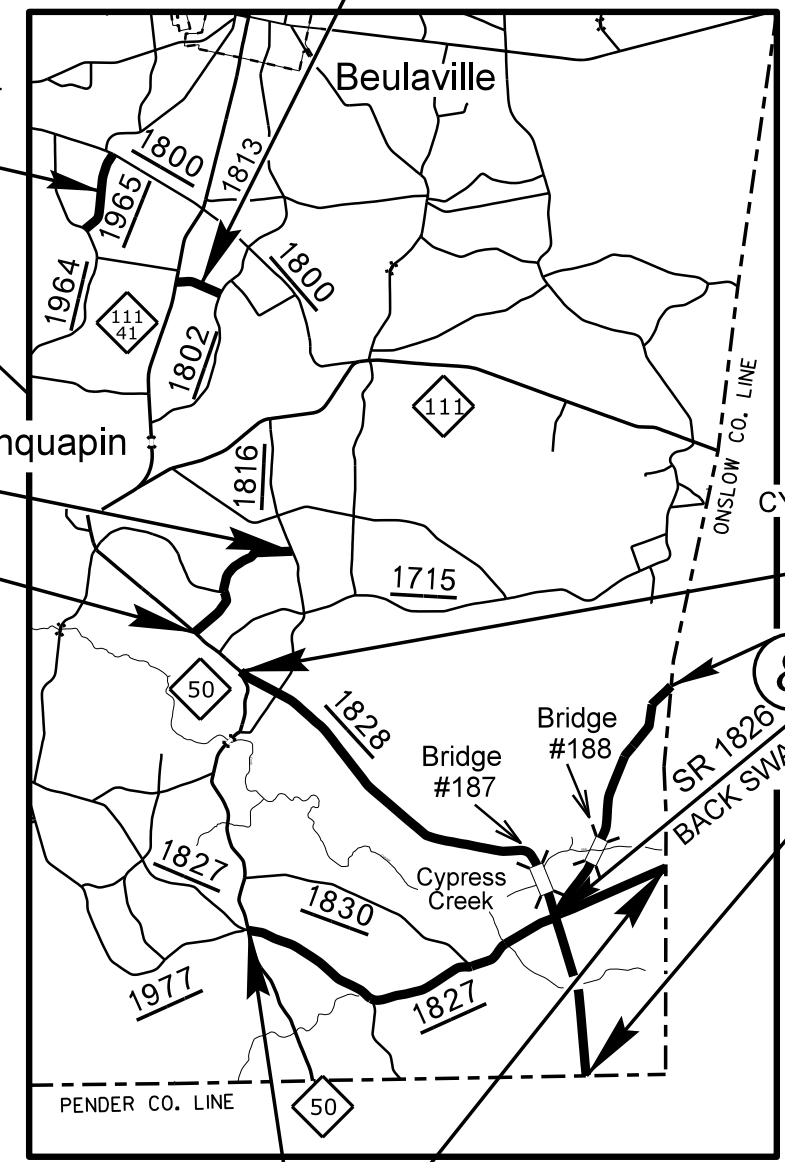


**SR 1959**  
PAUL ED DAIL RD. **12**



**SR 1813**  
ARLISS ALBERTSON RD. **11**

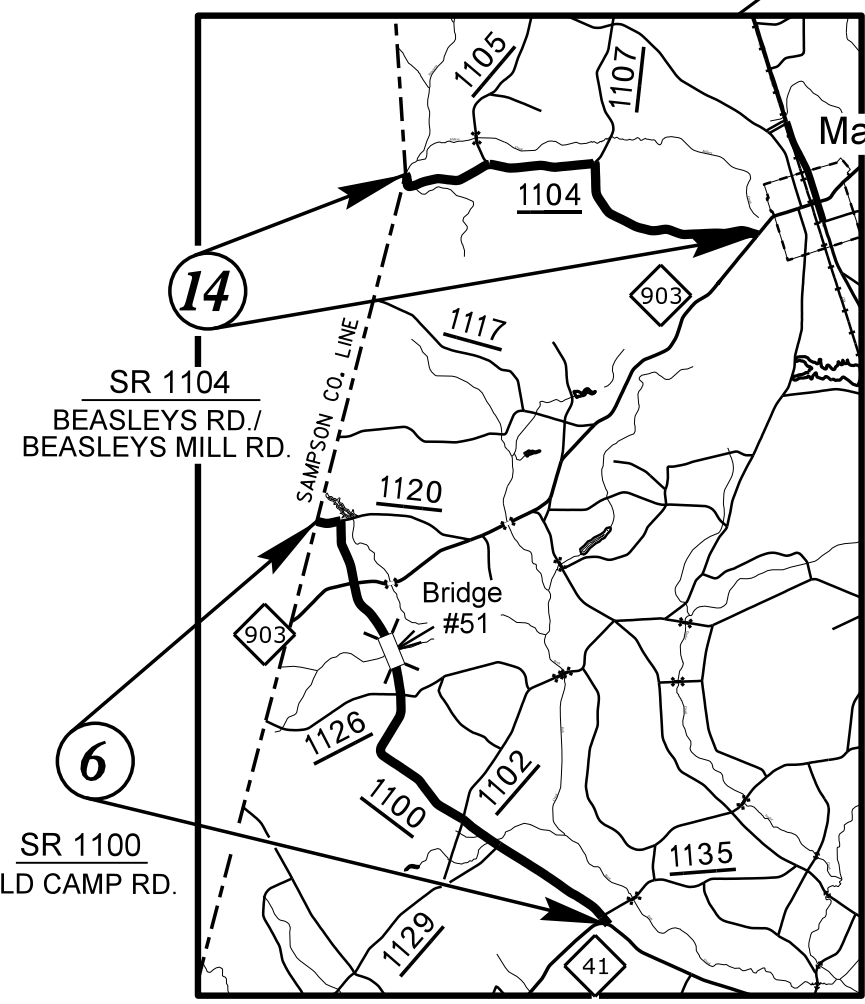
**SR 1965**  
GEORGE SUMMER RD. **13**



**SR 1818**  
COLE SWAMP RD. **10**

**SR 1828**  
CYPRESS CREEK RD. **9**

**SR 1827**  
LIGHTWOOD BRIDGE RD./  
BEAR POND RD. **7**



**SR 1104**  
BEASLEYS RD./  
BEASLEYS MILL RD. **14**

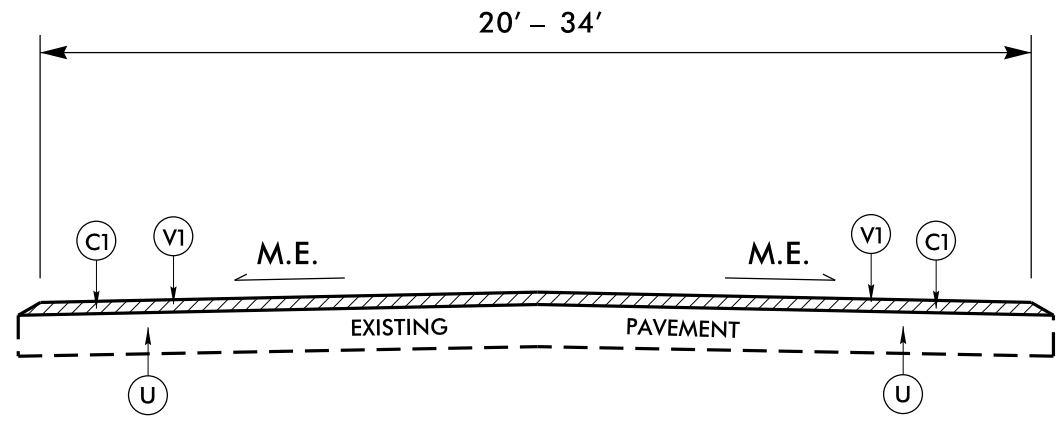
**SR 1100**  
OLD CAMP RD. **6**

**DUPLIN COUNTY**



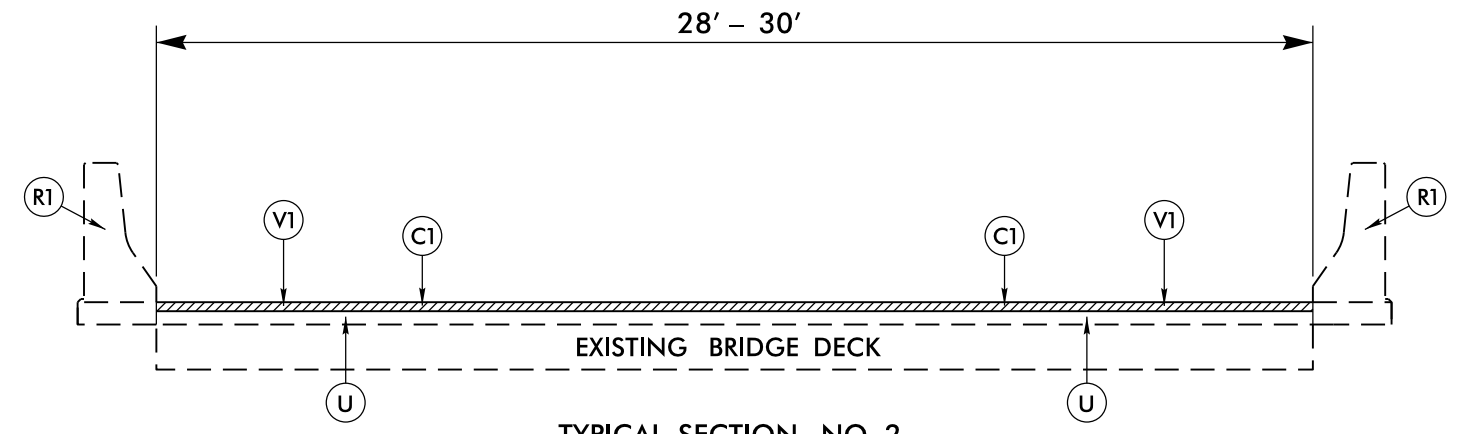
**MAPS N.T.S.**

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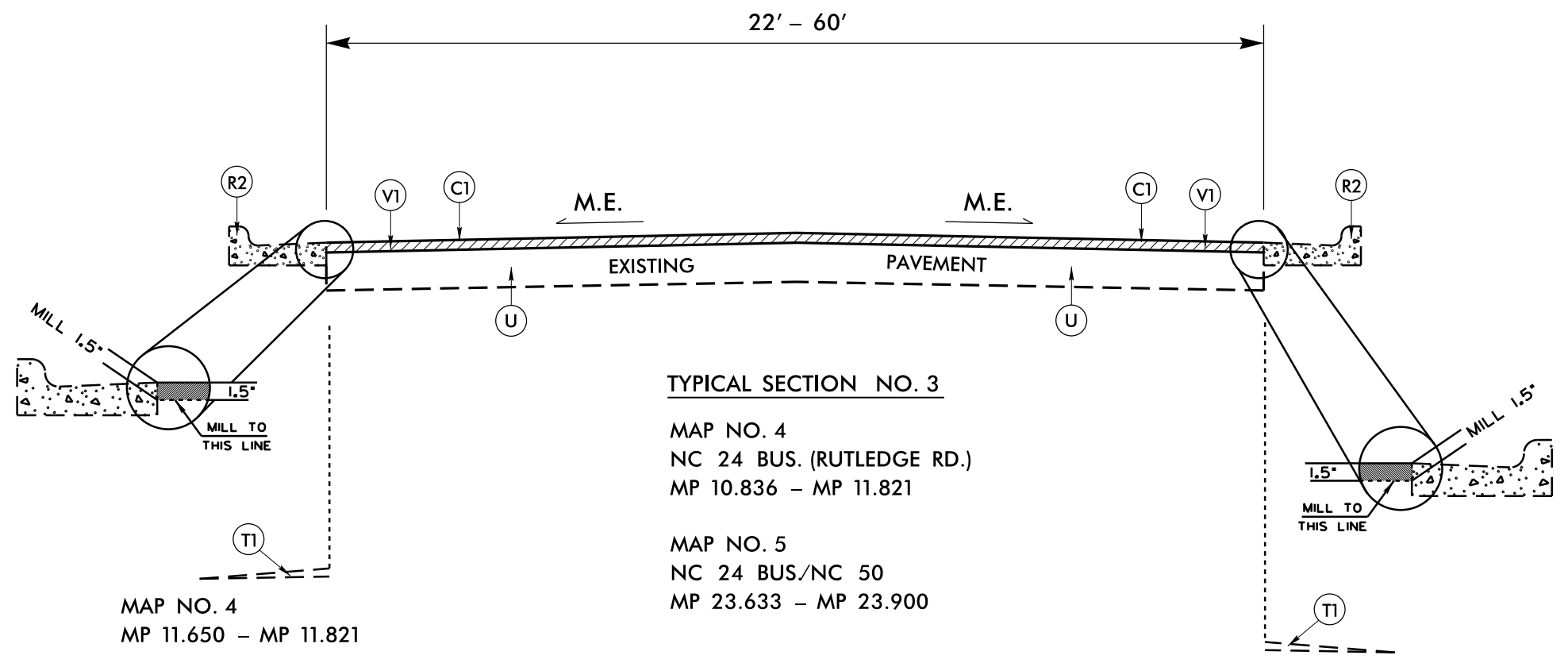
**TYPICAL SECTION NO. 1**

MAP NO. 1 US 117 ALT. MP 0.100 – MP 2.230	MAP NO. 3 NC 11 MP 19.000 – MP 20.320
MAP NO. 2 NC 11 MP 16.194 – MP 17.839	MAP NO. 5 NC 24 BUS./NC 50 MP 23.900 – MP 30.588



**TYPICAL SECTION NO. 2**

MAP NO. 3 NC 11 BRIDGE NO. 59 & 68 MP 19.189 – MP 19.208 MP 19.543 – MP 19.549	MAP NO. 5 NC 24 BUS./NC 50 BRIDGE NO. 7 MP 25.089 – MP 25.099
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**TYPICAL SECTION NO. 3**

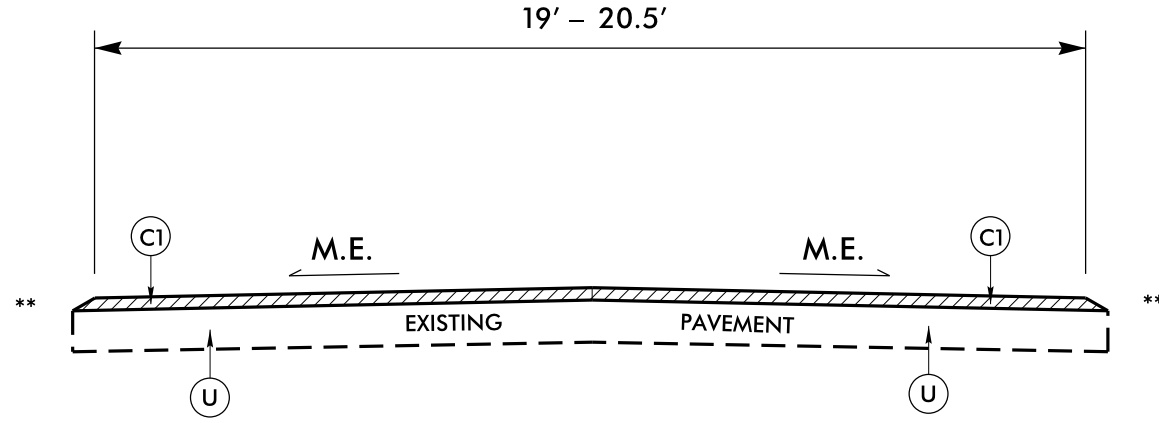
MAP NO. 4 NC 24 BUS. (RUTLEDGE RD.) MP 10.836 – MP 11.821	MAP NO. 5 NC 24 BUS./NC 50 MP 23.633 – MP 23.900
MAP NO. 4 MP 11.650 – MP 11.821	

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
E1	PROP. APPROX. 4" DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 456 LBS. PER SQ.YD.
R1	EXISTING CONCRETE BRIDGE RAIL
R2	EXISTING CONCRETE 2'-6" CURB & GUTTER
T1	EXISTING EARTH SHOULDER
U	EXISTING PAVEMENT
V1	MILLING ASPHALT PAVEMENT, 1½" DEPTH

**NOTES:** MILL A SINGLE LANE AND PAVE BACK BY THE END OF EACH WORK DAY.  
SHOULDER WORK ON MAP NO. 1-3 & 5 AS NEEDED, DETERMINED BY THE ENGINEER

MAP NO. 4  
MP 11.650 – MP 11.821

01-AUG-2017 09:43  
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 8/17/19



**TYPICAL SECTION NO. 4**

MAP NO. 6  
SR 1100 (OLD CAMP RD.)  
MP 0.000 – MP 7.226  
(NO WORK:  
DUPLIN BRIDGE NO. 51)

MAP NO. 7  
SR 1827 (LIGHTWOOD BRIDGE RD/  
BEAR POND RD.)  
MP 0.000 – MP 6.213

MAP NO. 8  
SR 1826 (BACK SWAMP RD.)  
MP 0.000 – MP 3.450  
(NO WORK:  
DUPLIN BRIDGE NO. 188)

MAP NO. 9  
SR 1828 (CYPRESS CREEK RD.)  
MP 0.000 – MP 7.756  
(NO ASPHALT WORK:  
DUPLIN BRIDGE NO. 187)

MAP NO. 10  
SR 1818 (COLE SWAMP RD)  
MP 0.000 – MP 1.920

MAP NO. 11  
SR 1813 (ARLISS ALBERTSON RD.)  
MP 0.000 – MP 0.614

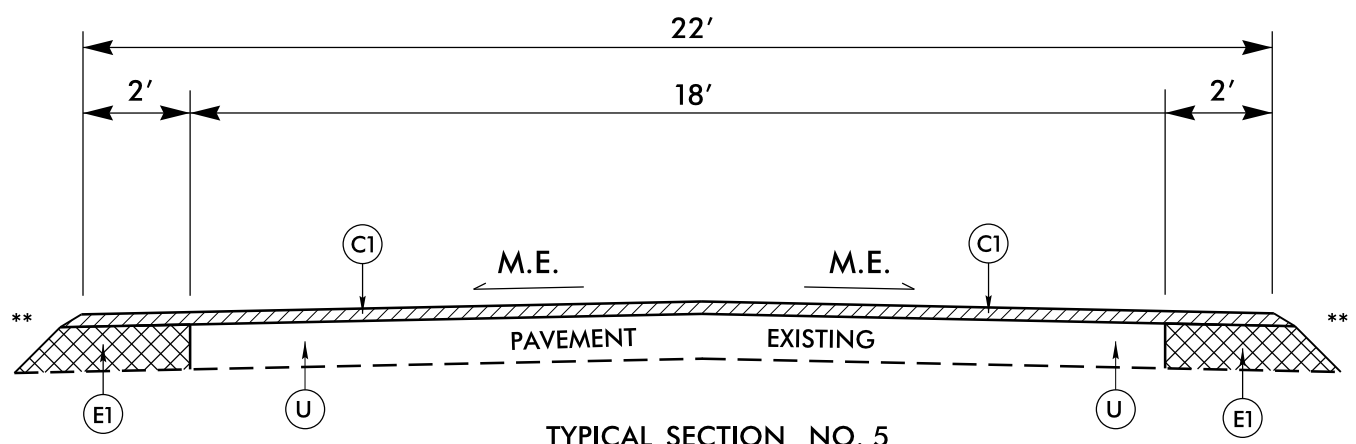
MAP NO. 12  
SR 1959 (PAUL ED DAIL RD.)  
MP 0.000 – MP 4.414

MAP NO. 13  
SR 1965 (GEORGE SUMMER RD.)  
MP 0.000 – MP 1.100

MAP NO. 14  
SR 1104 (BEASLEYS RD/BEASLEYS MILL RD.)  
MP 0.000 – MP 5.298

PAVEMENT SCHEDULE	
C1	1.5" S9.5B
E1	4" B25.0B
U	EXISTING PAVEMENT

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



**TYPICAL SECTION NO. 5**

MAP NO. 15  
SR 1335 (JOHN WARREN RD.)  
MP 0.000 – MP 0.767

\*\* NOTE: MAP NO. 6-15 SHOULDERS TO BE DONE BY STATE FORCES

01-AUG-2017 07:41  
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 Resurfacing\Duplin\_Co\2018CPT.03.01.10311.Etc.US.117 & NC.11.24.50\PALEIGH REVISIONS\Final Revision\_Removed Sh Work on Sec Rds\2018CPT.03.01.10311.Etc.RdJ.txd.dgn  
 \$\$\$SUSPENSE\$\$\$

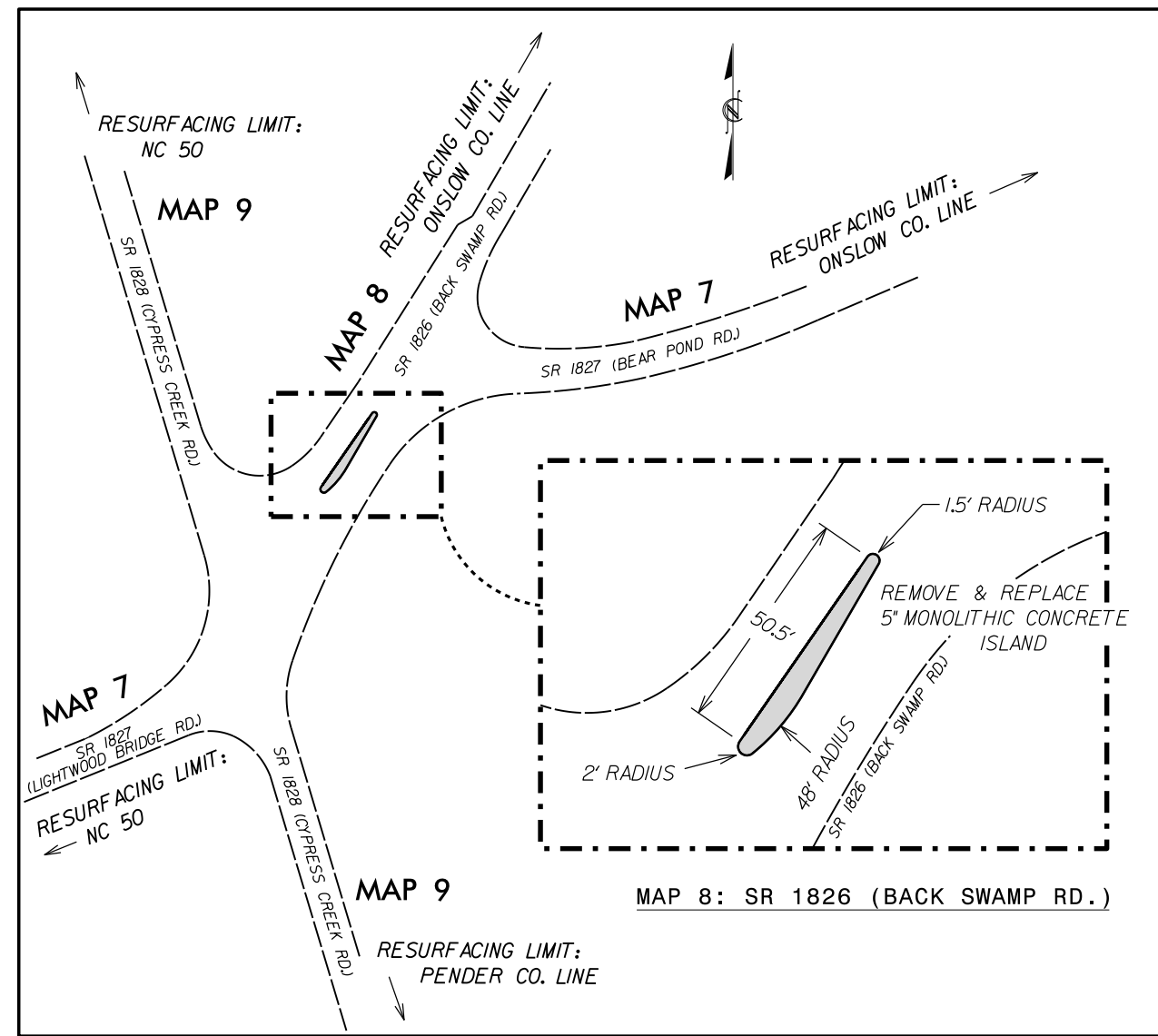
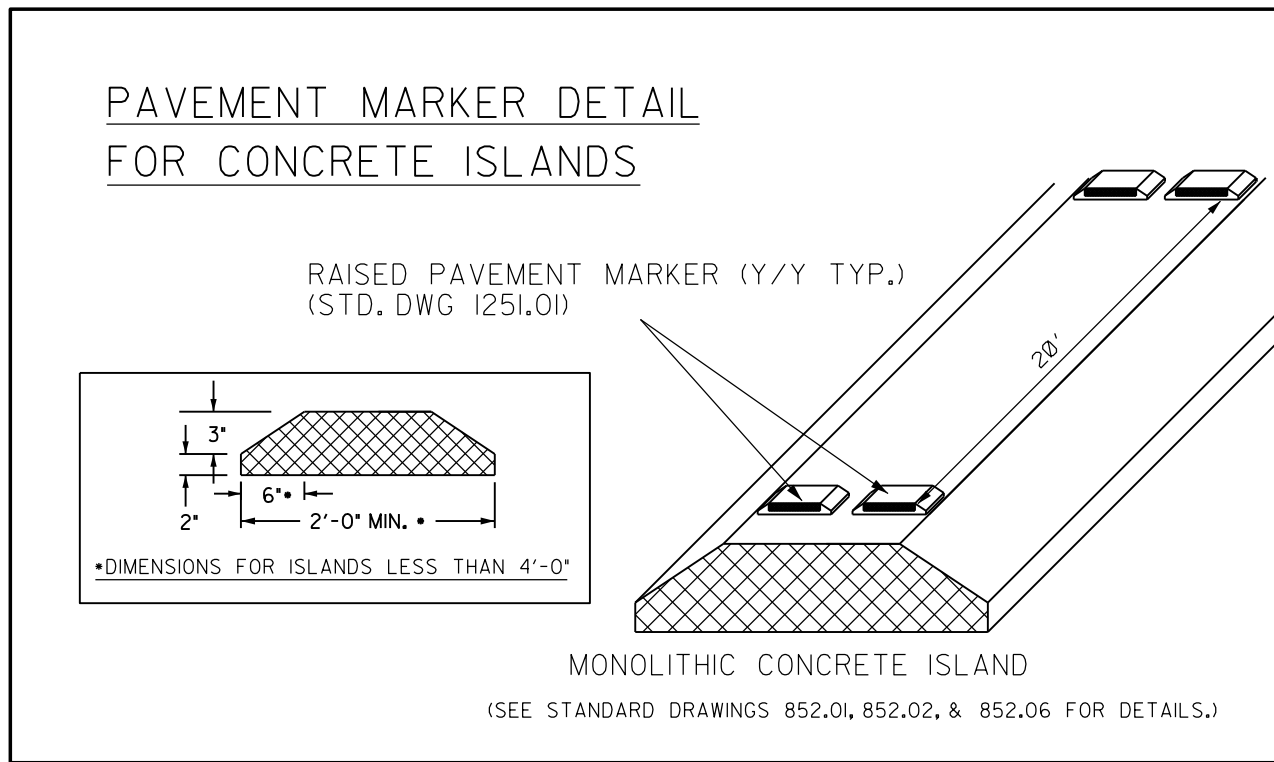
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EFF.01-17-2012  
REV.02-29-2016

2012 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, 2012 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
852.01	Concrete Islands

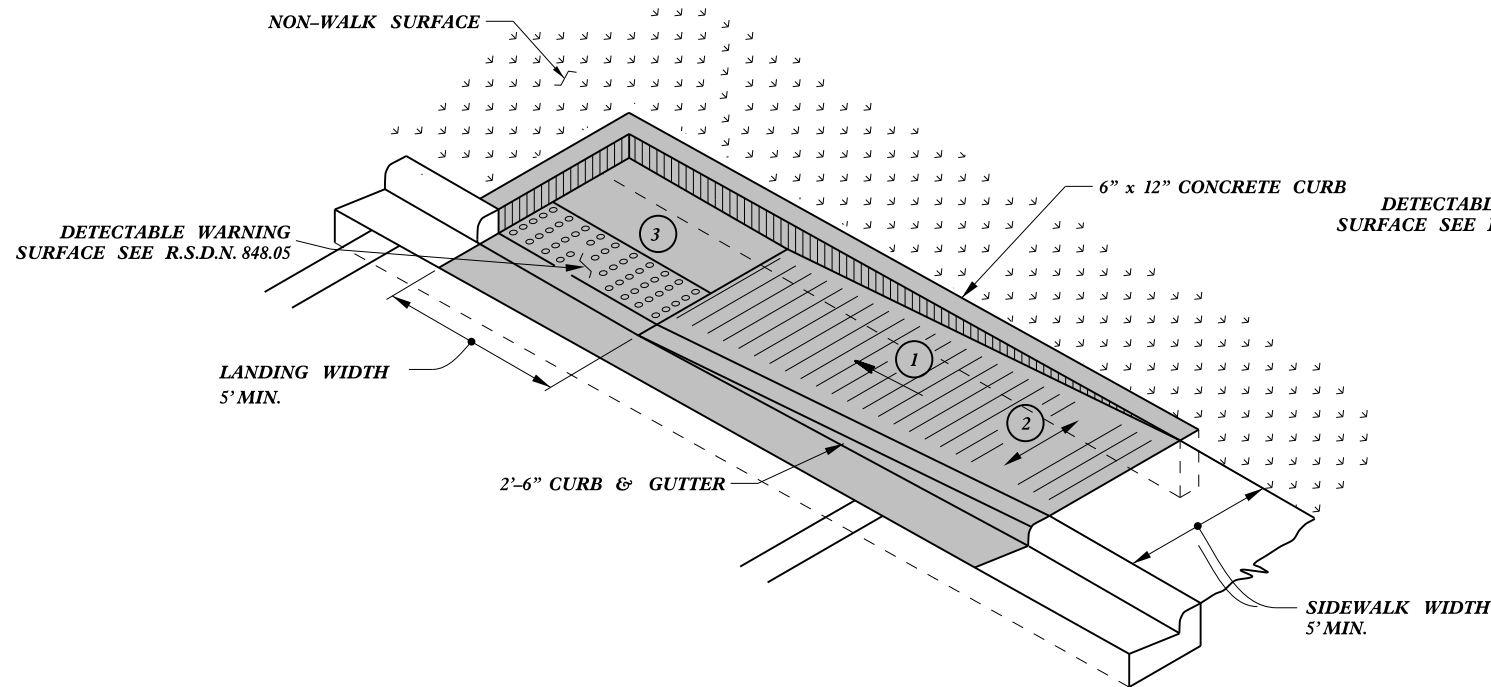




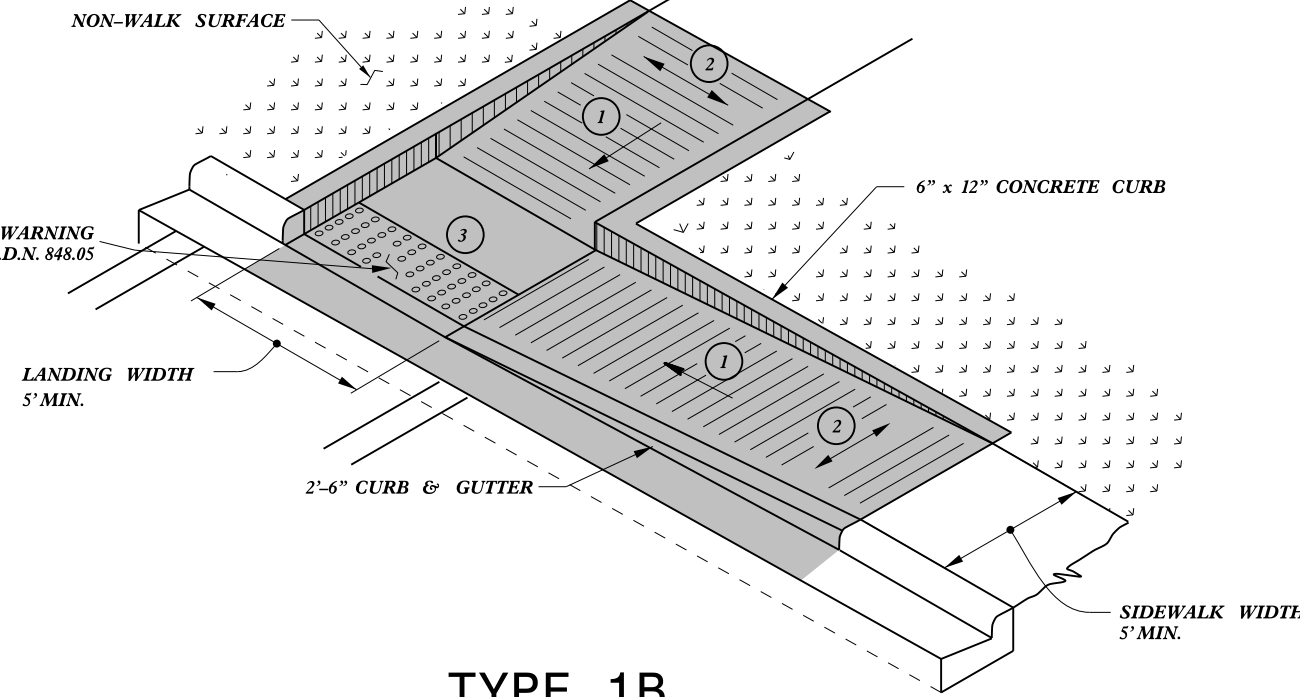




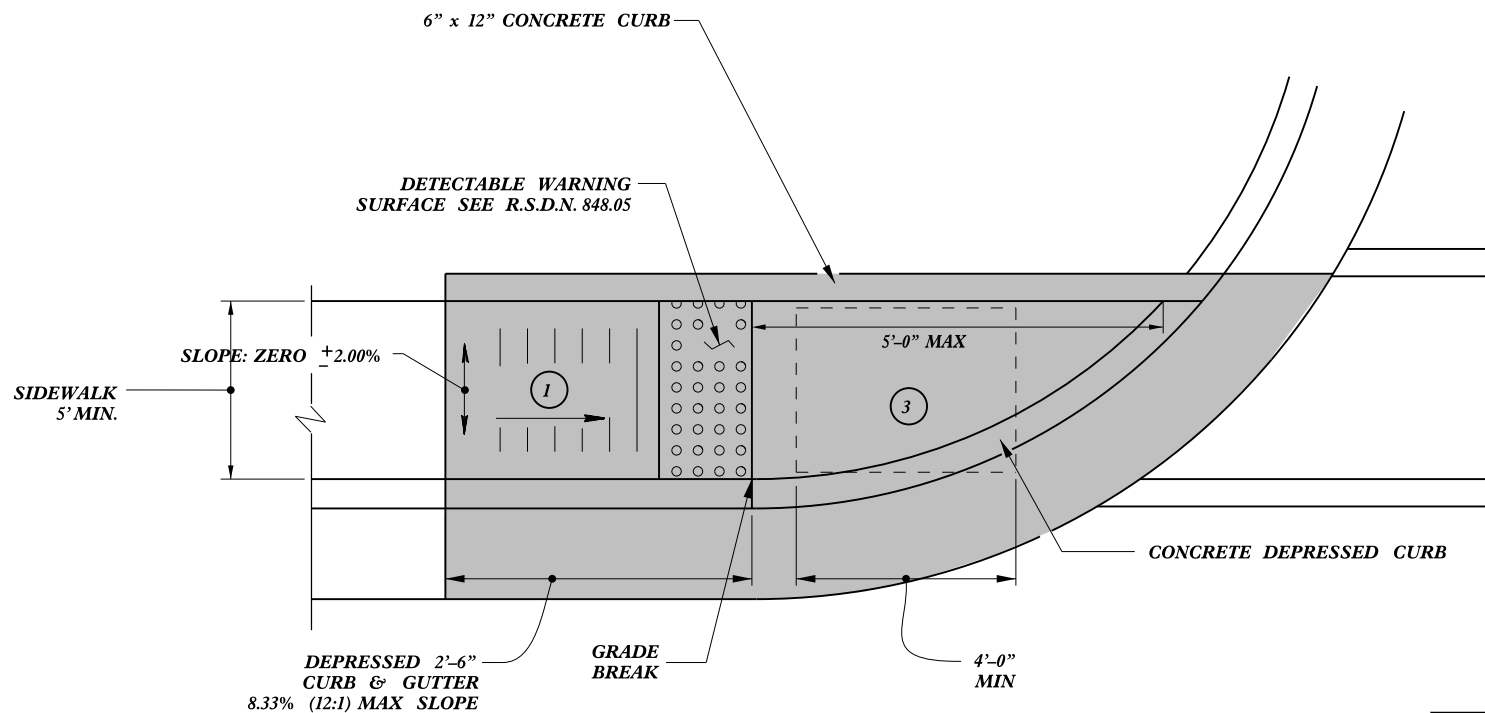




TYPE 1A

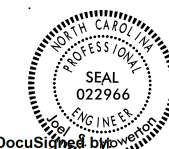


TYPE 1B



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.



DocuSign 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

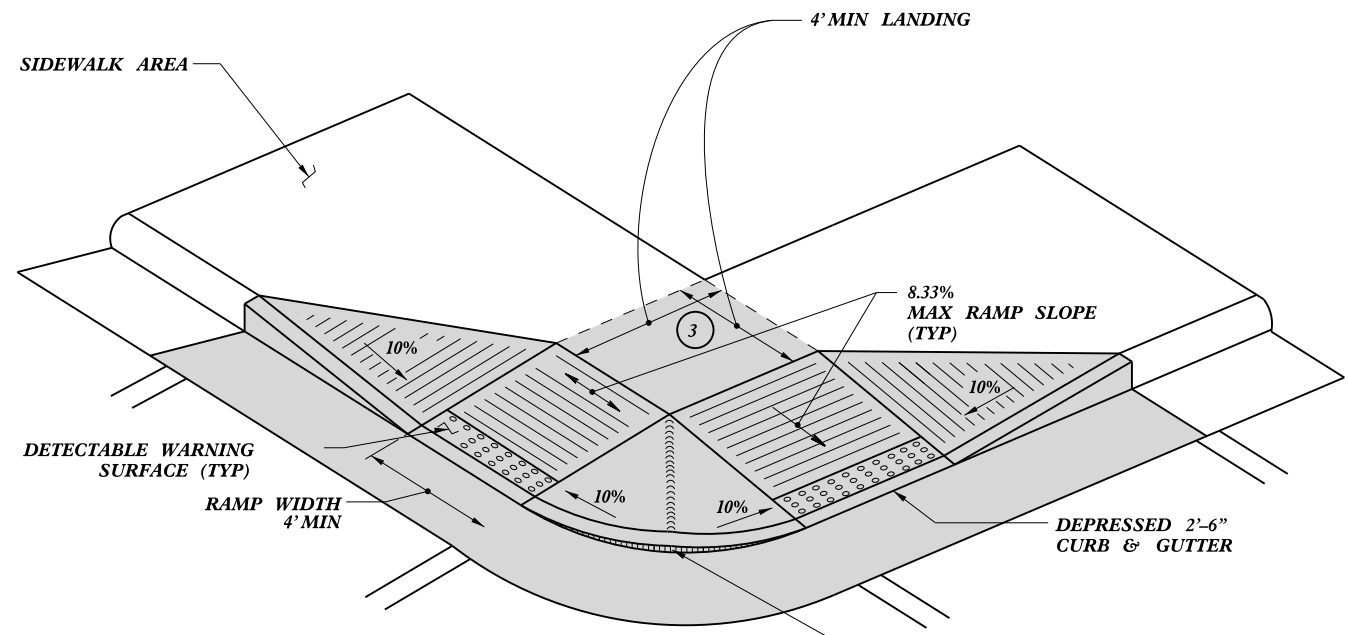
**CURB RAMPS**  
Directional Ramps

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

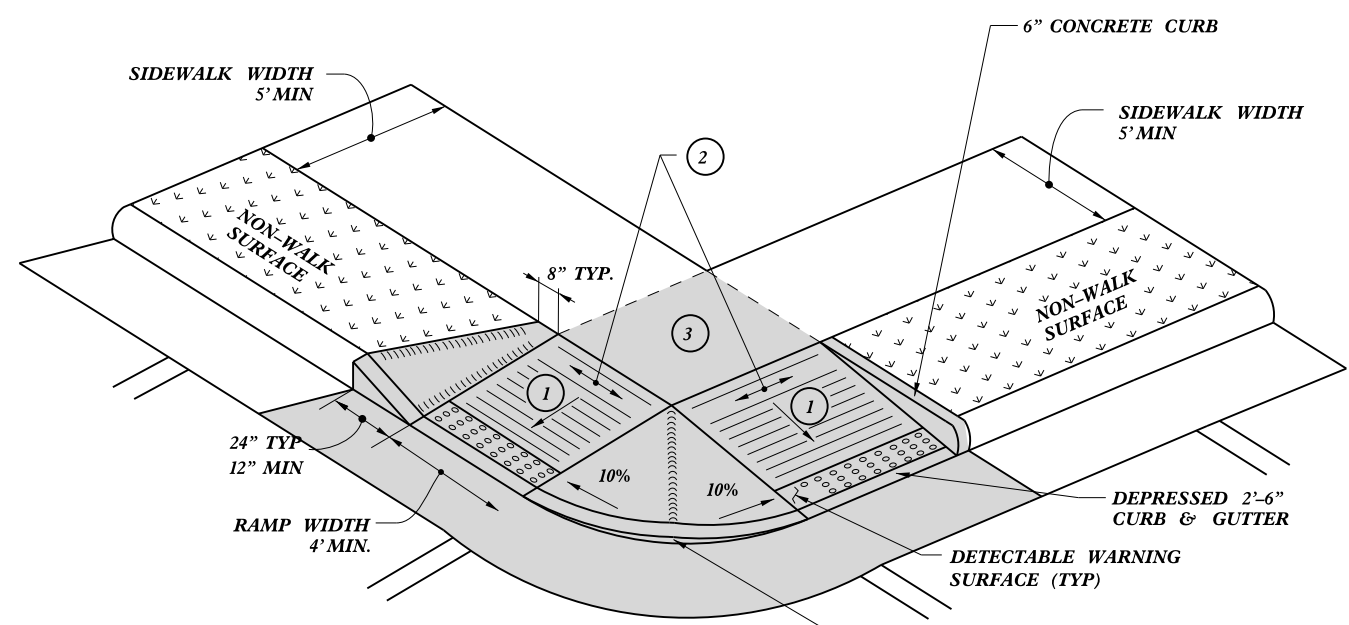
REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

5/14/99  
CONSTRUCTION USER NAME  
DATE



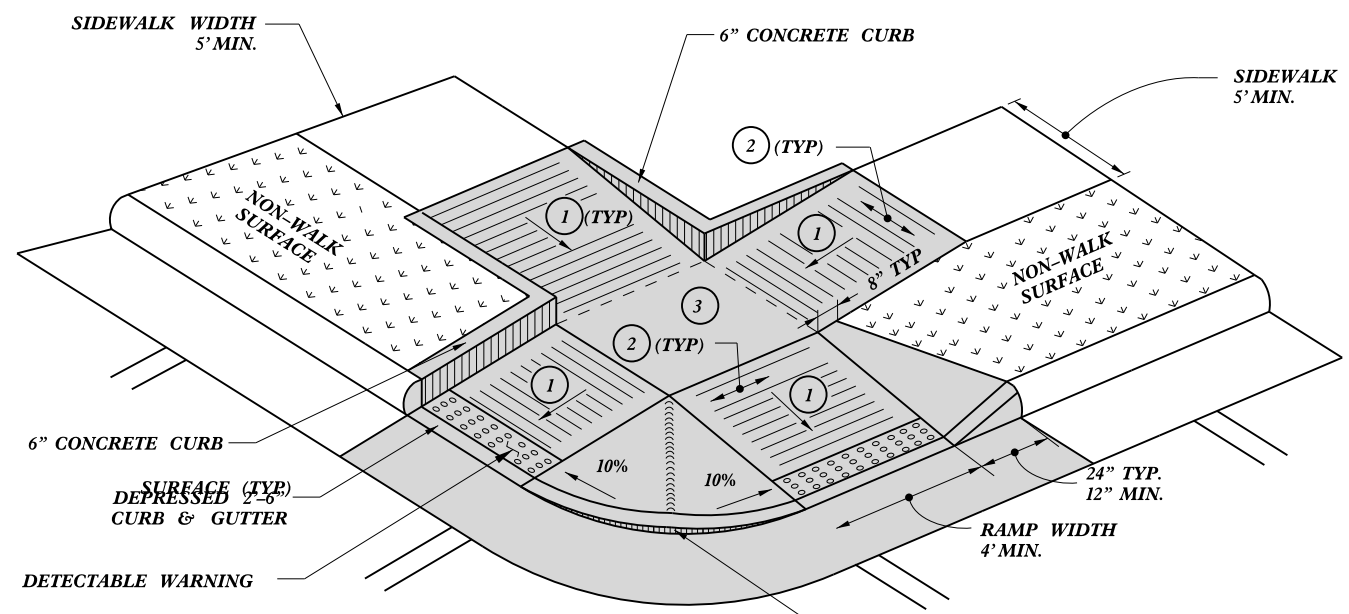


TYPE 4



TYPE 4A

DEPRESSED 2'-6" CURB & GUTTER (HEIGHT VARIES BY FLARE SLOPE)



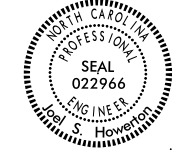
TYPE 5

DEPRESSED 2'-6" CURB & GUTTER (HEIGHT VARIES BY FLARE SLOPE)

- 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.

PAY LIMITS FOR 2 CURB RAMPS

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

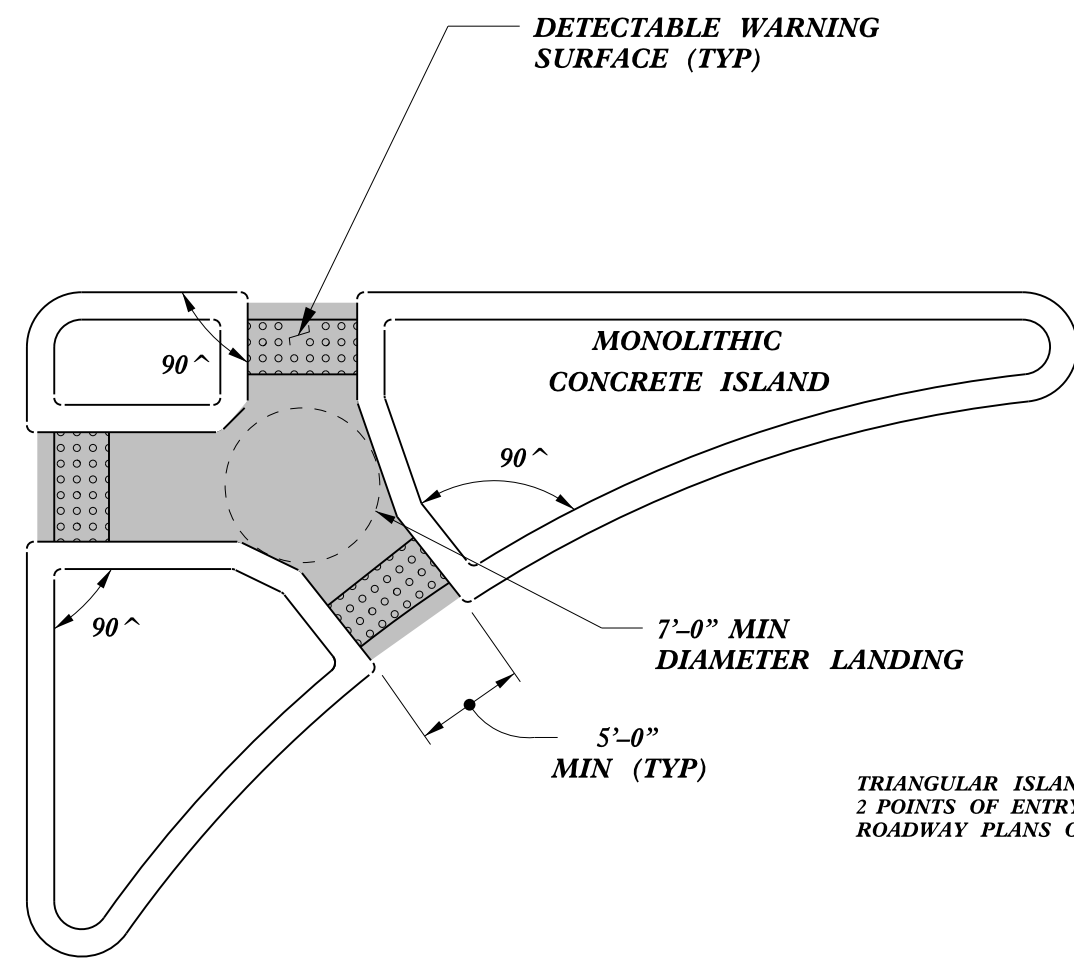
**CURB RAMPS**  
Shared Landing

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

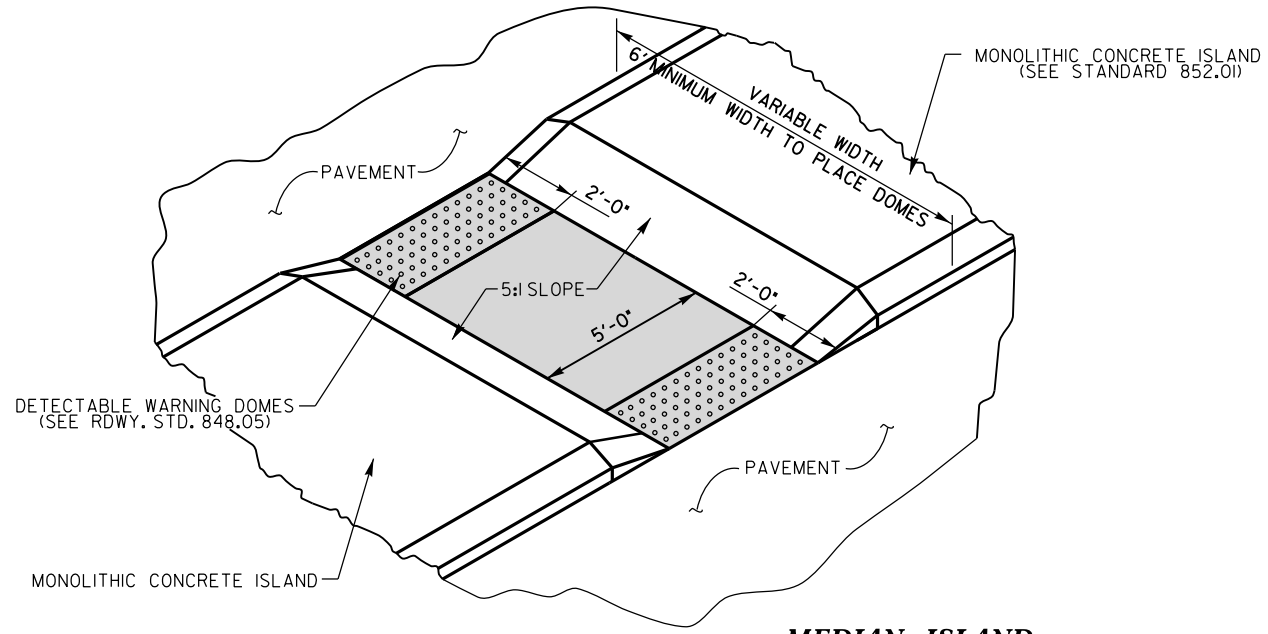
5/14/1999

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

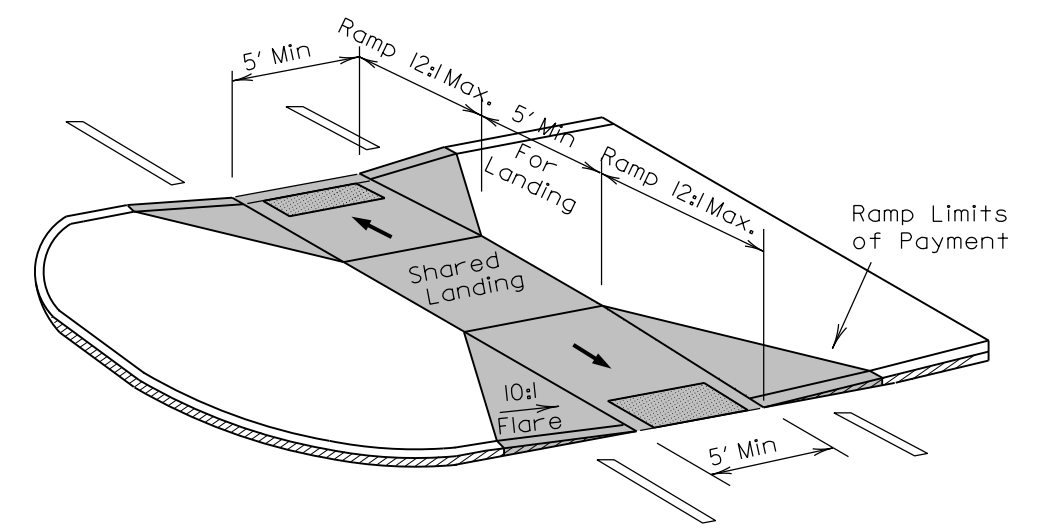


TRIANGULAR ISLANDS MAY BE CONSTRUCTED WITH ONLY  
2 POINTS OF ENTRY AND EXIT AS SHOWN IN THE  
ROADWAY PLANS OR AS DIRECTED BY THE ENGINEER.

**TRIANGULAR ISLAND  
WITH CUT THROUGH**



**MEDIAN ISLAND  
WITH CUT THROUGH**



**MEDIAN ISLAND  
CURB RAMPS**

5/14/99  
SYTIME  
SERIAL  
DATE  
C:\CADD\2018\2018CPT\03\01\10311\12.dwg  
USER:JH  
PLT:JH

11/18/2015

DocuSign  
Seal  
Joel S. Howerton  
449E8E25522144F...

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	





PROJECT NO.	SHEET NO.
2018CPT.03.01.10311, ETC.	14

## SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	BORROW EXC. CY	INC. STONE BASE TONS	SHOULDER RECONST. SMI	1 1/2" MILLING SY	INC. MILLING SY	BASE COURSE, B25.0B TONS	SURFACE COURSE, S9.5B TONS	LEVELING COURSE, S9.5B TONS	ASPHALT BINDER FOR PLANT MIX TON	PATCHING EXISTING PAVEMENT (MILL) TON	2'-6" CONCRETE CURB & GUTTER LF	4" CONCRETE SIDEWALK SY	CONCRETE CURB RAMP EA	REMOVE AND REPLACE 4" CONCRETE SIDEWALK SY	REMOVE AND REPLACE 5" MONOLITHIC CONCRETE ISLANDS SY	REMOVE & REPLACE 2'-6" CURB & GUTTER LF				
2018CPT.03.01.10311	Duplin	1	US 117 ALT	FROM US 117 TO WAYNE COUNTY (MP .100 - MP 2.230)	1	2	2WU	NO	NO	2.13	20	64	50	1.30	25,790	50		2,182	25	133											
<b>TOTAL FOR MAP NO. 1</b>										<b>2.13</b>		<b>64</b>	<b>50</b>	<b>1.30</b>	<b>25,790</b>	<b>50</b>		<b>2,182</b>	<b>25</b>	<b>133</b>											
2018CPT.03.01.10311	Duplin	2	NC 11	FROM NC 24 (S. KENANSVILLE BYPASS) TO BEGINNING OF 2'6" C&G/PVMT. SEAM (MP 16.194 - MP 17.839)	1	2-3	2WU	NO	NO	1.645	22-34	48	10	1.00	32,858			2,810		169											
<b>TOTAL FOR MAP NO. 2</b>										<b>1.645</b>		<b>48</b>	<b>10</b>	<b>1.00</b>	<b>32,858</b>			<b>2,810</b>		<b>169</b>											
2018CPT.03.01.10311	Duplin	3	NC 11	FROM END OF C&G/PVMT SEAM TO PVMT SEAM AT NC 903 (MP 19.000 - MP 20.32)	1 & 2	2	2WU	NO	NO	1.32	22	40	30	0.80	17,250			1,459		88											
<b>TOTAL FOR MAP NO. 3</b>										<b>1.32</b>		<b>40</b>	<b>30</b>	<b>0.80</b>	<b>17,250</b>			<b>1,459</b>		<b>88</b>											
2018CPT.03.01.10311	Duplin	4	NC 24 BUS. (ROUTLEDGE RD.)	FROM NC 11 TO NC 903 (N. KENANSVILLE BYPASS) (MP 10.836 - MP 11.821)	3	2-5	2WU	NO	NO	0.985	40-60		10		28,205			2,373		142		30		2	20		30				
<b>TOTAL FOR MAP NO. 4</b>										<b>0.985</b>			<b>10</b>		<b>28,205</b>			<b>2,373</b>		<b>142</b>		<b>30</b>		<b>2</b>	<b>20</b>				<b>30</b>		
2018CPT.03.01.10311	Duplin	5	NC 24 BUS./NC 50	FROM NC 11 TO PVMT SEAM AT SR 1300 (MP 23.633 - MP 30.680)	1,2 & 3	2	2WU	NO	NO	6.955	22	208	100	4.00	111,400			9,375		563		16	15				20				
<b>TOTAL FOR MAP NO. 5</b>										<b>6.955</b>		<b>208</b>	<b>100</b>	<b>4.00</b>	<b>111,400</b>			<b>9,375</b>		<b>563</b>		<b>16</b>	<b>15</b>				<b>20</b>				
<b>TOTAL FOR PROJ NO. 2018CPT.03.01.10311</b>										<b>13.035</b>		<b>360</b>	<b>200</b>	<b>7.10</b>	<b>215,503</b>		<b>50</b>	<b>18,199</b>	<b>25</b>	<b>1,095</b>		<b>46</b>	<b>15</b>	<b>2</b>	<b>20</b>				<b>50</b>		
2018CPT.03.01.20311	Duplin	6	SR 1100 (OLD CAMP RD.)	FROM NC 41 TO SAMPSON COUNTY LINE (NO WORK DUPLIN BRIDGE # 51) (MP 0.000 - MP 7.226)	4	2	2WU	NO	NO	7.226	20		175			338		7,161		430	213										
<b>TOTAL FOR MAP NO. 6</b>										<b>7.226</b>			<b>175</b>			<b>338</b>		<b>7,161</b>		<b>430</b>	<b>213</b>										
2018CPT.03.01.20311	Duplin	7	SR 1827 (LIGHTWOOD BRIDGE RD./BEAR POND RD.)	FROM ONSLOW CO. LINE TO THE INTERSECTION OF NC 50 (MP 0.000 - MP 6.213)	4	2	2WU	NO	NO	6.213	20		260			126		6,159		370	183										
<b>TOTAL FOR MAP NO. 7</b>										<b>6.213</b>		<b>260</b>			<b>126</b>		<b>6,159</b>		<b>370</b>	<b>183</b>											
2018CPT.03.01.20311	Duplin	8	SR 1826 (BACK SWAMP RD.)	FROM THE INTERSECTION OF SR 1827 TO THE ONSLOW COUNTY LINE (NO WORK DUPLIN BRIDGE # 188) (MP 0.000 - MP 3.450)	4	2	2WU	NO	NO	3.45	19		140			331		3,252		195	97					30.00					
<b>TOTAL FOR MAP NO. 8</b>										<b>3.45</b>		<b>140</b>			<b>331</b>		<b>3,252</b>		<b>195</b>	<b>97</b>					<b>30.00</b>						
2018CPT.03.01.20311	Duplin	9	SR 1828 (CYPRESS CREEK RD.)	FROM PENDER CO. LINE TO THE INTERSECTION OF NC 50 (NO ASPHALT WORK DUPLIN BRIDGE # 187) (MP 0.000 - MP 7.756)	4	2	2WD	NO	NO	7.756	19		300			331		7,314		439	217										
<b>TOTAL FOR MAP NO. 9</b>										<b>7.756</b>		<b>300</b>			<b>331</b>		<b>7,314</b>		<b>439</b>	<b>217</b>											
2018CPT.03.01.20311	Duplin	10	SR 1818 (COLE SWAMP RD.)	FROM NC 50 TO THE INTERSECTION OF SR 1816 (MP 0.000 - MP 1.920)	4	2	2WU	NO	NO	1.92	19		90			111		1,810		109	54										
<b>TOTAL FOR MAP NO. 10</b>										<b>1.92</b>		<b>90</b>			<b>111</b>		<b>1,810</b>		<b>109</b>	<b>54</b>											
2018CPT.03.01.20311	Duplin	11	SR 1813 (ARLISS ALBERTSON RD.)	FROM NC 41 TO THE INTERSECTION OF SR1802 (MP 0.000 - MP 0.614)	4	2	2WU	NO	NO	0.614	20		40			111		605		36	18										
<b>TOTAL FOR MAP NO. 11</b>										<b>0.614</b>		<b>40</b>			<b>111</b>		<b>605</b>		<b>36</b>	<b>18</b>											
2018CPT.03.01.20311	Duplin	12	SR 1959 (PAUL ED DAIL RD.)	FROM THE INTERSECTION OF NC HIGHWAY 24 TO NC HIGHWAY 50 (MP 0.000 - MP 4.414)	4	2	2WU	NO	NO	4.414	20.5		220			116		4,486		269	133										
<b>TOTAL FOR MAP NO. 12</b>										<b>4.414</b>		<b>220</b>			<b>116</b>		<b>4,486</b>		<b>269</b>	<b>133</b>											
2018CPT.03.01.20311	Duplin	13	SR 1965 (GEORGE SUMMER RD.)	FROM THE INTERSECTION OF SR 1800 TO SR 1964 (MP 0.000 - MP 1.100)	4	2	2WU	NO	NO	1.1	20		80			244		1,090		65	32										
<b>TOTAL FOR MAP NO. 13</b>										<b>1.1</b>		<b>80</b>			<b>244</b>		<b>1,090</b>		<b>65</b>	<b>32</b>											
2018CPT.03.01.20311	Duplin	14	SR 1104 (BEASLEYS RD./ BEASLEYS MILL RD.)	FROM SAMPSON CO. LINE TO NC 903 (MP 0.000 - MP 5.298)	4	2	2WU	NO	NO	5.298	20		190			262		5,256		315	156										
<b>TOTAL FOR MAP NO. 14</b>										<b>5.298</b>		<b>190</b>			<b>262</b>		<b>5,256</b>		<b>315</b>	<b>156</b>											
2018CPT.03.01.20311	Duplin	15	SR 1335 (JOHN WARREN RD.)	FROM SAMPSON CO. LINE TO THE INTERSECTION OF SR 1301 (MP 0.000 - MP 0.767)	5	2	2WU	NO	NO	0.767	22		10			100	446	840		70	20										
<b>TOTAL FOR MAP NO. 15</b>										<b>0.767</b>		<b>10</b>			<b>100</b>	<b>446</b>	<b>840</b>		<b>70</b>	<b>20</b>											
<b>TOTAL FOR PROJ NO. 2018CPT.03.01.20311</b>										<b>38.758</b>			<b>1,505</b>		<b>2,070</b>	<b>446</b>	<b>37,973</b>		<b>2,298</b>	<b>1,123</b>					<b>30.00</b>						
<b>GRAND TOTAL</b>										<b>51.793</b>		<b>360</b>	<b>1,705</b>	<b>7.10</b>	<b>215,503</b>	<b>2,120</b>	<b>446</b>	<b>56,172</b>	<b>25</b>	<b>3,393</b>	<b>1,123</b>	<b>46</b>	<b>15</b>	<b>2</b>	<b>20</b>	<b>30.00</b>	<b>50</b>				

PROJECT NO.	SHEET NO.
2018CPT.03.01.10311, ETC.	15

## SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	REMOVE & REPLACE CURB RAMP	REMOVE CURB RAMP	ADJ. OF MANHOLES	ADJ. OF METER OR VALVE BOX	TEMP. SILT FENCE	STONE FOR EC CLASS B	SEDIMENT CONTROL STONE	TEMP. MULCHING	SEED FOR TEMP. SEEDING	FERTILIZER FOR TEMP. SEEDING	MATTING FOR EROSION CONTROL	1/4" HARDWARE CLOTH	WATTLE	SEED & MULCHING	SEED FOR REPAIR SEEDING	FERTILIZER FOR REPAIR SEEDING	RESPONSE FOR EROSION CONTROL
									EA	EA	EA	EA	LF	TON	TON	ACR	LBS	TON	SY	LF	LF	AC	LB	TON	EA
2018CPT.03.01.10311	Duplin	1	US 117 ALT	FROM US 117 TO WAYNE COUNTY (MP .100 - MP 2.230)	1	2	2WU	NO					64	16	16	0.64	32	0.16	10	32	10	0.50	32	0.16	1
<b>TOTAL FOR MAP NO. 1</b>													64	16	16	0.64	32	0.16	10	32	10	0.50	32	0.16	1
2018CPT.03.01.10311	Duplin	2	NC 11	FROM NC 24 (S. KENANSVILLE BYPASS) TO BEGINNING OF 2'6" C&G/PVMT. SEAM (MP 16.194 - MP 17.839)	1	2-3	2WU	NO			2		49	12	12	0.49	25	0.12	10	25	10	0.40	25	0.12	1
<b>TOTAL FOR MAP NO. 2</b>											2		49	12	12	0.49	25	0.12	10	25	10	0.40	25	0.12	1
2018CPT.03.01.10311	Duplin	3	NC 11	FROM END OF C&G/PVMT SEAM TO PVMT SEAM AT NC 903 (MP 19.000 - MP 20.32)	1 & 2	2	2WU	NO					40	10	10	0.40	20	0.10	10	20	10	0.30	20	0.10	
<b>TOTAL FOR MAP NO. 3</b>													40	10	10	0.40	20	0.10	10	20	10	0.30	20	0.10	
2018CPT.03.01.10311	Duplin	4	NC 24 BUS. (ROUTLEDGE RD.)	FROM NC 11 TO NC 903 (N. KENANSVILLE BYPASS) (MP 10.836 - MP 11.821)	3	2-5	2WU	NO	4	7	6	1													
<b>TOTAL FOR MAP NO. 4</b>									4	7	6	1													
2018CPT.03.01.10311	Duplin	5	NC 24 BUS./NC 50	FROM NC 11 TO PVMT SEAM AT SR 1300 (MP 23.633 - MP 30.680)	1,2 & 3	2	2WU	NO	4	7	5	2	200	50	50	2.00	100	0.50	20	100	30	1.50	100	0.50	2
<b>TOTAL FOR MAP NO. 5</b>									4	7	5	2	200	50	50	2.00	100	0.50	20	100	30	1.50	100	0.50	2
<b>TOTAL FOR PROJ NO. 2018CPT.03.01.10311</b>									8	14	13	3	353	88	88	3.53	177	0.88	50	177	60	2.70	177	0.88	4
2018CPT.03.01.20311	Duplin	6	SR 1100 (OLD CAMP RD.)	FROM NC 41 TO SAMPSON COUNTY LINE (NO WORK DUPLIN BRIDGE # 51) (MP 0.000 - MP 7.226)	4	2	2WU	NO				2													
<b>TOTAL FOR MAP NO. 6</b>												2													
2018CPT.03.01.20311	Duplin	7	SR 1827 (LIGHTWOOD BRIDGE RD./BEAR POND RD.)	FROM ONSLOW CO. LINE TO THE INTERSECTION OF NC 50 (MP 0.000 - MP 6.213)	4	2	2WU	NO				6													
<b>TOTAL FOR MAP NO. 7</b>												6													
2018CPT.03.01.20311	Duplin	8	SR 1826 (BACK SWAMP RD.)	FROM THE INTERSECTION OF SR 1827 TO THE ONSLOW COUNTY LINE (NO WORK DUPLIN BRIDGE # 188) (MP 0.000 - MP 3.450)	4	2	2WU	NO				2													
<b>TOTAL FOR MAP NO. 8</b>												2													
2018CPT.03.01.20311	Duplin	9	SR 1828 (CYPRESS CREEK RD.)	FROM PENDER CO. LINE TO THE INTERSECTION OF NC 50 (NO ASPHALT WORK DUPLIN BRIDGE # 187) (MP 0.000 - MP 7.756)	4	2	2WD	NO				16													
<b>TOTAL FOR MAP NO. 9</b>												16													
2018CPT.03.01.20311	Duplin	10	SR 1818 (COLE SWAMP RD.)	FROM NC 50 TO THE INTERSECTION OF SR 1816 (MP 0.000 - MP 1.920)	4	2	2WU	NO				2													
<b>TOTAL FOR MAP NO. 10</b>												2													
2018CPT.03.01.20311	Duplin	11	SR 1813 (ARLISS ALBERTSON RD.)	FROM NC 41 TO THE INTERSECTION OF SR1802 (MP 0.000 - MP 0.614)	4	2	2WU	NO				1													
<b>TOTAL FOR MAP NO. 11</b>												1													
2018CPT.03.01.20311	Duplin	12	SR 1959 (PAUL ED DAIL RD.)	FROM THE INTERSECTION OF NC HIGHWAY 24 TO NC HIGHWAY 50 (MP 0.000 - MP 4.414)	4	2	2WU	NO				9													
<b>TOTAL FOR MAP NO. 12</b>												9													
2018CPT.03.01.20311	Duplin	13	SR 1965 (GEORGE SUMMER RD.)	FROM THE INTERSECTION OF SR 1800 TO SR 1964 (MP 0.000 - MP 1.100)	4	2	2WU	NO				1													
<b>TOTAL FOR MAP NO. 13</b>												1													
2018CPT.03.01.20311	Duplin	14	SR 1104 (BEASLEYS RD./ BEASLEYS MILL RD.)	FROM SAMPSON CO. LINE TO NC 903 (MP 0.000 - MP 5.298)	4	2	2WU	NO				5													
<b>TOTAL FOR MAP NO. 14</b>												5													
2018CPT.03.01.20311	Duplin	15	SR 1335 (JOHN WARREN RD.)	FROM SAMPSON CO. LINE TO THE INTERSECTION OF SR 1301 (MP 0.000 - MP 0.767)	5	2	2WU	NO				1													
<b>TOTAL FOR MAP NO. 15</b>												1													
<b>TOTAL FOR PROJ NO. 2018CPT.03.01.20311</b>												45													
<b>GRAND TOTAL</b>									8	14	13	48	353	88	88	3.53	177	0.88	50	177	60	2.70	177	0.88	4

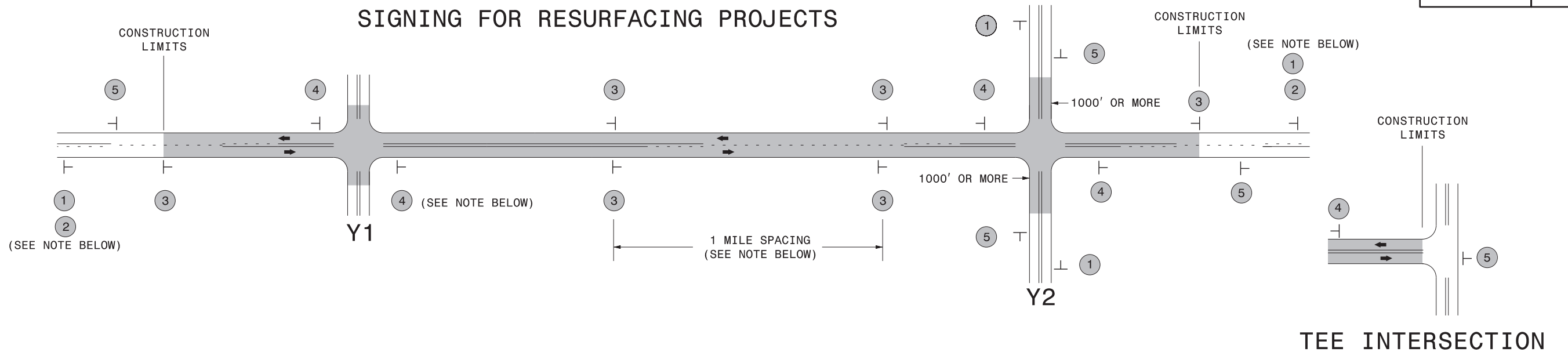
PROJECT NO.	SHEET NO.
2018CPT.03.01.10311, ETC.	16

**THERMOPLASTIC AND PAINT QUANTITIES**

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4685000000-E		4686000000-E		4695000000-E	4700000000-E	4710000000-E	4721000000-E		4725000000-E					4770000000-E	4850000000-E	4900000000-N	4905000000-N					
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M YELLOW THERMO	4" X 90 M WHITE THERMO	4" X 120 M YELLOW THERMO	4" X 120 M WHITE THERMO	8" X 90 M YELLOW THERMO	12" X 90 M YELLOW THERMO	24" X 120 M WHITE THERMO	THERMO MSG SCHOOL 120 M	THERMO MSG ONLY 120 M	THERMO STR ARROW 90 M	THERMO LT ARROW 90 M	THERMO RT ARROW 90 M	THERMO STR & RT ARROW 90 M	MERGE ARROW 90 M	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE 2 (4")	REMOVAL OF PAVEMENT MARKING LINES (4")	YELLOW & YELLOW MARKERS	SNOW PLOWABLE MARKERS (Y/Y)	SNOW PLOWABLE MARKERS (C/R)				
NO		NO			NO					SF	LS	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA				
2018CPT.03.01.10311	Duplin	1	US 117 ALT	FROM US 117 TO WAYNE COUNTY (MP .100 - MP 2.230)	1	2	2WU	2.13	20	240		22,919	14,058	140				11											188					
TOTAL FOR MAP NO. 1												22,919	14,058	140				11											188					
2018CPT.03.01.10311	Duplin	2	NC 11	FROM NC 24 (S. KENANSVILLE BYPASS) TO BEGINNING OF 2'6" C&G/PVMT. SEAM (MP 16.194 - MP 17.839)	1	2-3	2WU	1.645	22 - 34	192		620	17,700	19,824	1,220		349	81			11	37	5	7				18	205	30				
TOTAL FOR MAP NO. 2												620	17,700	19,824	1,220		349	81		11	37	5	7							18	205	30		
2018CPT.03.01.10311	Duplin	3	NC 11	FROM END OF C&G/PVMT SEAM TO PVMT SEAM AT NC 903 (MP 19.000 - MP 20.32)	1 & 2	2	2WU	1.32	22	160		14,203	8,950	30														90						
TOTAL FOR MAP NO. 3												14,203	8,950	30																90				
2018CPT.03.01.10311	Duplin	4	NC 24 BUS. (ROUTLEDGE RD.)	FROM NC 11 TO NC 903 (N. KENANSVILLE BYPASS) (MP 10.836 - MP 11.821)	3	2-5	2WU	0.985	40 - 60	112		7,482	11,052	1,152	114			34		2	12	1		4				152	60					
TOTAL FOR MAP NO. 4												7,482	11,052	1,152	114			34		2	12	1	4								152	60		
2018CPT.03.01.10311	Duplin	5	NC 24 BUS./NC 50	FROM NC 11 TO PVMT SEAM AT SR 1300 (MP 23.633 - MP 30.680)	1,2 & 3	2	2WU	6.955	22	784		73,200	51,701	1,443	170	520	356	36	4		15		2	5			15	544	71					
TOTAL FOR MAP NO. 5												73,200	51,701	1,443	170	520	356	36	4		15		2	5						15	544	71		
TOTAL FOR PROJ NO. 2018CPT.03.01.10311											*	620	135,504	105,585	3,985	284	869	482	36	4	13	64	6	9	9						33	1,179	161	
												136,124	109,570					40			101							1,340						
2018CPT.03.01.20311	Duplin	6	SR 1100 (OLD CAMP RD.)	FROM NC 41 TO SAMPSON COUNTY LINE (NO WORK DUPLIN BRIDGE # 51) (MP 0.000 - MP 7.226)	4	2	2WU	7.226	20	816		77,687	47,692	347														476						
TOTAL FOR MAP NO. 6												77,687	47,692	347																	476			
2018CPT.03.01.20311	Duplin	7	SR 1827 (LIGHTWOOD BRIDGE RD./BEAR POND RD.)	FROM ONSLOW CO. LINE TO THE INTERSECTION OF NC 50 (MP 0.000 - MP 6.213)	4	2	2WU	6.213	20	704		66,852	41,006	261													410							
TOTAL FOR MAP NO. 7												66,852	41,006	261																410				
2018CPT.03.01.20311	Duplin	8	SR 1826 (BACK SWAMP RD.)	FROM THE INTERSECTION OF SR 1827 TO THE ONSLOW COUNTY LINE (NO WORK DUPLIN BRIDGE # 188) (MP 0.000 - MP 3.450)	4	2	2WU	3.45	19	400		125	37,122	22,675	21												250							
TOTAL FOR MAP NO. 8												125	37,122	22,675	21															250				
2018CPT.03.01.20311	Duplin	9	SR 1828 (CYPRESS CREEK RD.)	FROM PENDER CO. LINE TO THE INTERSECTION OF NC 50 (NO ASPHALT WORK DUPLIN BRIDGE # 187) (MP 0.000 - MP 7.756)	4	2	2WD	7.756	19	880		83,498	51,216	140											300	300	511							
TOTAL FOR MAP NO. 9												83,498	51,216	140													300	300	511					
2018CPT.03.01.20311	Duplin	10	SR 1818 (COLE SWAMP RD.)	FROM NC 50 TO THE INTERSECTION OF SR 1816 (MP 0.000 - MP 1.920)	4	2	2WU	1.92	19	224		20,659	12,672	23													126							
TOTAL FOR MAP NO. 10												20,659	12,672	23																	126			
2018CPT.03.01.20311	Duplin	11	SR 1813 (ARLISS ALBERTSON RD.)	FROM NC 41 TO THE INTERSECTION OF SR1802 (MP 0.000 - MP 0.614)	4	2	2WU	0.614	20	80		6,607	4,052	20													45							
TOTAL FOR MAP NO. 11												6,607	4,052	20																	45			
2018CPT.03.01.20311	Duplin	12	SR 1959 (PAUL ED DAIL RD.)	FROM THE INTERSECTION OF NC HIGHWAY 24 TO NC HIGHWAY 50 (MP 0.000 - MP 4.414)	4	2	2WU	4.414	20.5	496		47,495	29,132	53													291							
TOTAL FOR MAP NO. 12												47,495	29,132	53																	291			
2018CPT.03.01.20311	Duplin	13	SR 1965 (GEORGE SUMMER RD.)	FROM THE INTERSECTION OF SR 1800 TO SR 1964 (MP 0.000 - MP 1.100)	4	2	2WU	1.1	20	128		11,836	7,260	20													72							
TOTAL FOR MAP NO. 13												11,836	7,260	20																	72			
2018CPT.03.01.20311	Duplin	14	SR 1104 (BEASLEYS RD./ BEASLEYS MILL RD.)	FROM SAMPSON CO. LINE TO NC 903 (MP 0.000 - MP 5.298)	4	2	2WU	5.298	20	608		57,028	34,980	95													350							
TOTAL FOR MAP NO. 14												57,028	34,980	95																	350			
2018CPT.03.01.20311	Duplin	15	SR 1335 (JOHN WARREN RD.)	FROM SAMPSON CO. LINE TO THE INTERSECTION OF SR 1301 (MP 0.000 - MP 0.767)	5	2	2WU	0.767	22	96		8,285	5,082	16													50							
TOTAL FOR MAP NO. 15												8,285	5,082	16																	50			
TOTAL FOR PROJ NO. 2018CPT.03.01.20311											*	125	417,069	255,767	996																300	300	2,581	
												417,194	256,763																					
GRAND TOTAL												51,793	5,920	1	745	552,573	361,352	4,981	284	869	482	36	4	13	64	6	9	9		300	300	2,614	1,179	161
															553,318	366,333					40			101						1,340				



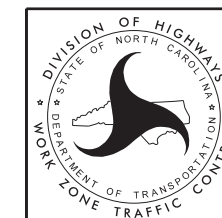
# SIGNING FOR RESURFACING PROJECTS



## MAINLINE (-L-) SIGNING

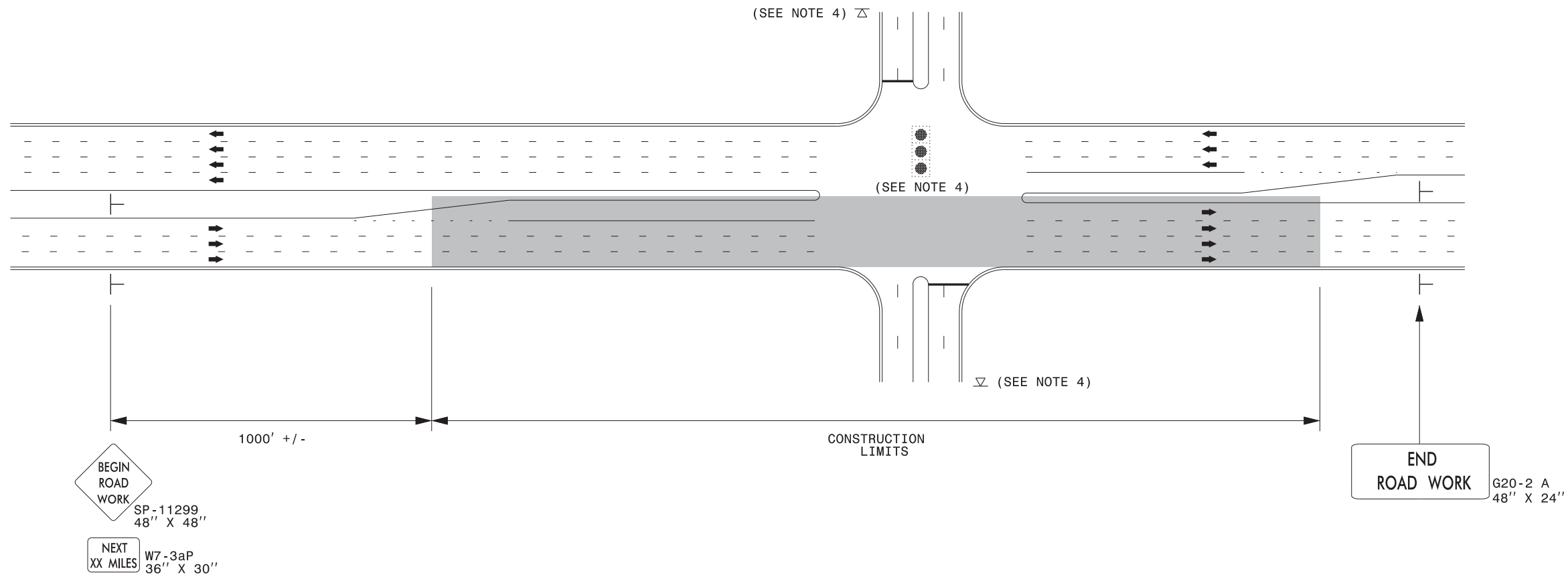
## -Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	MAINLINE (-L-) SIGNING		-Y- LINE SIGNING	
	1	<p>W20-1 48" X 48"</p>	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> <li>LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>SUBDIVISION ROADS</li> <li>DEAD END ROADS</li> </ol>	
	2	<p>W7-3aP 24" X 18"</p>	<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>	
	3	<p>SP 13107 48" X 48"</p>	<p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p>	
	4	<p>SP 13106 48" X 48"</p>	<p>PLACED 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.</p>	



RESURFACING  
ADVANCE WARNING SIGNS  
FOR  
RURAL AND SUBURBAN  
2 LANE ROADWAYS

## 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**

TIP NO. 2018CPT.03.01.10311, Etc. SHEET NO. PMP-1

APPROVED: *RWF*

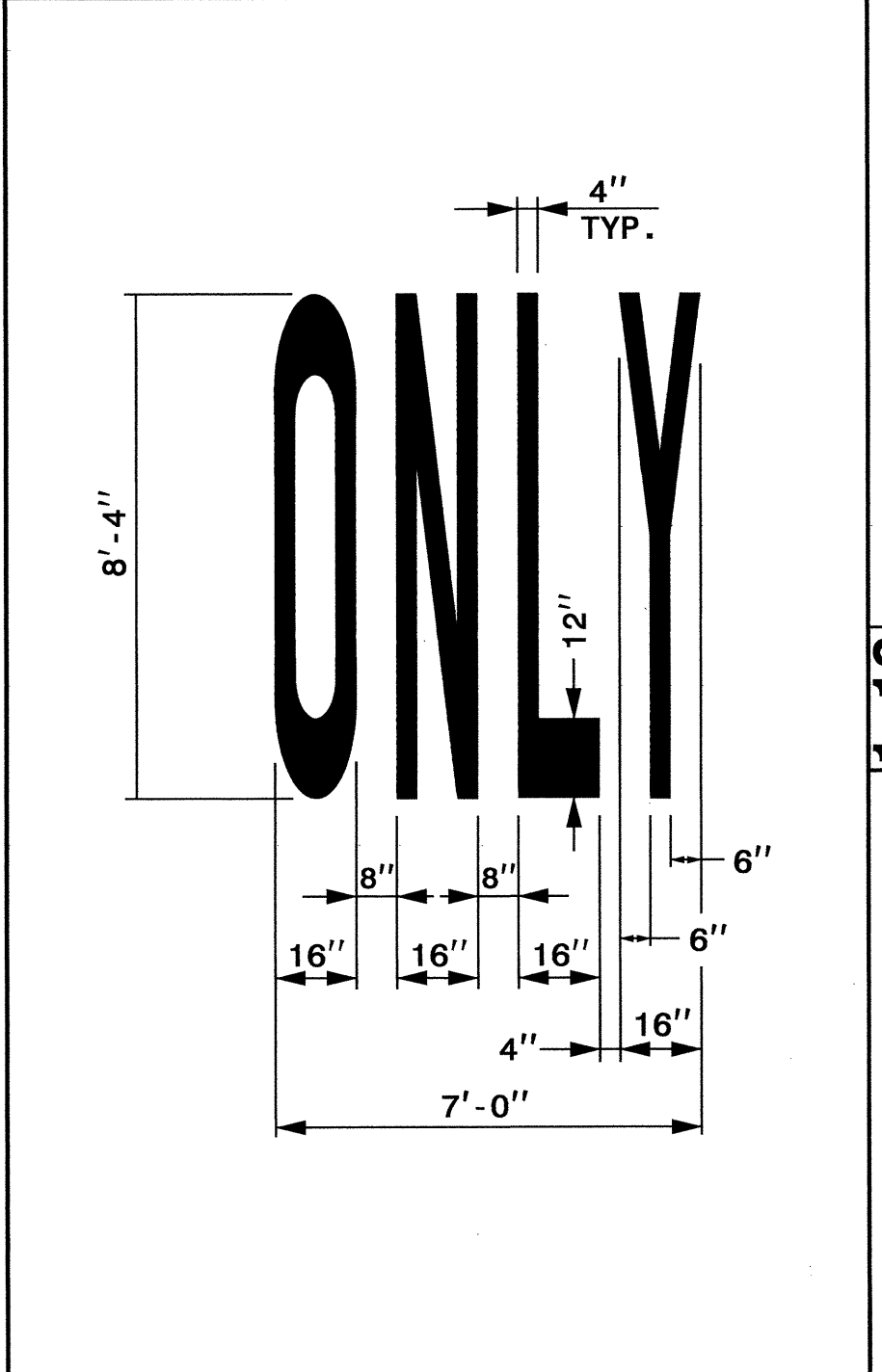
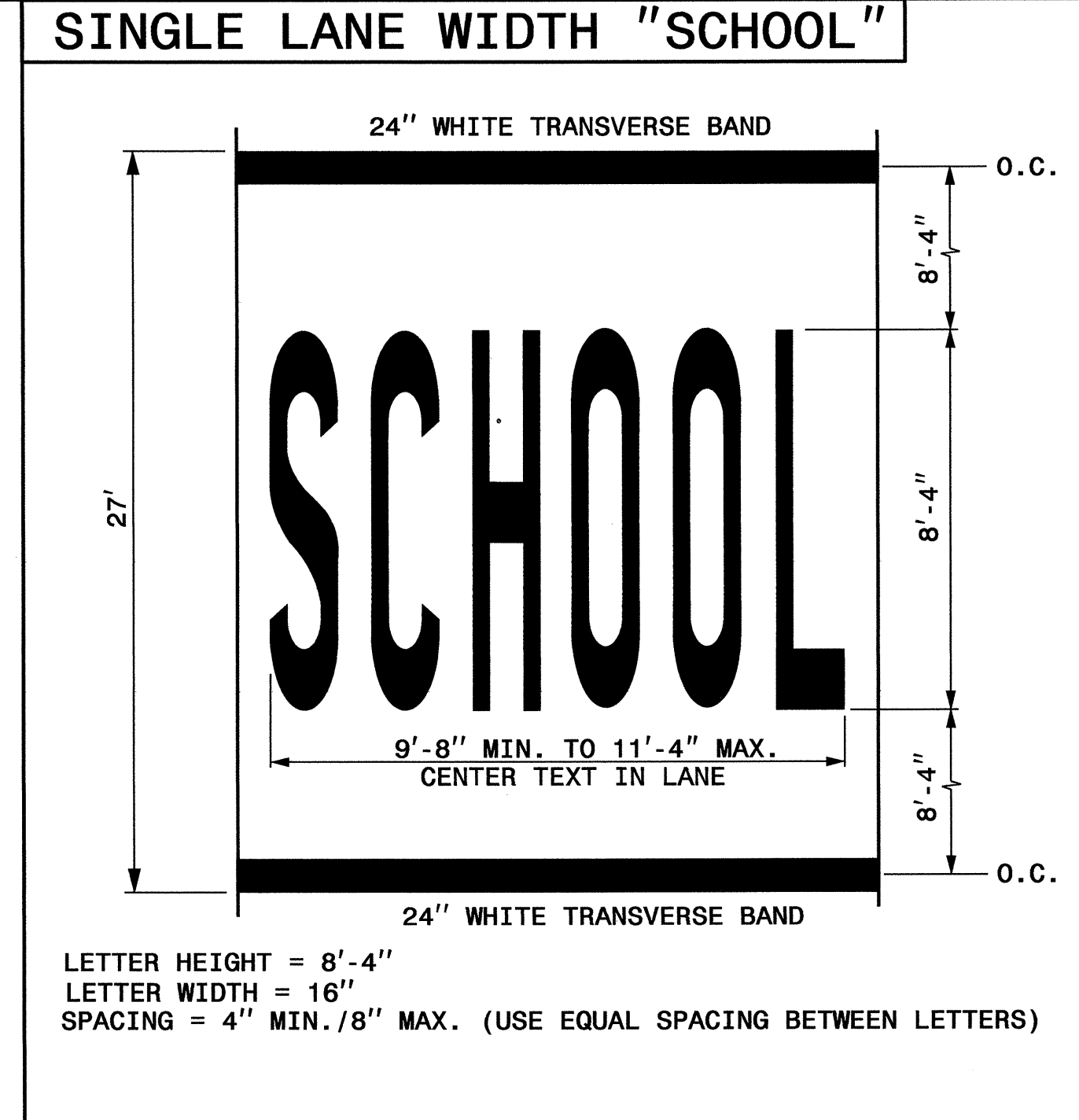
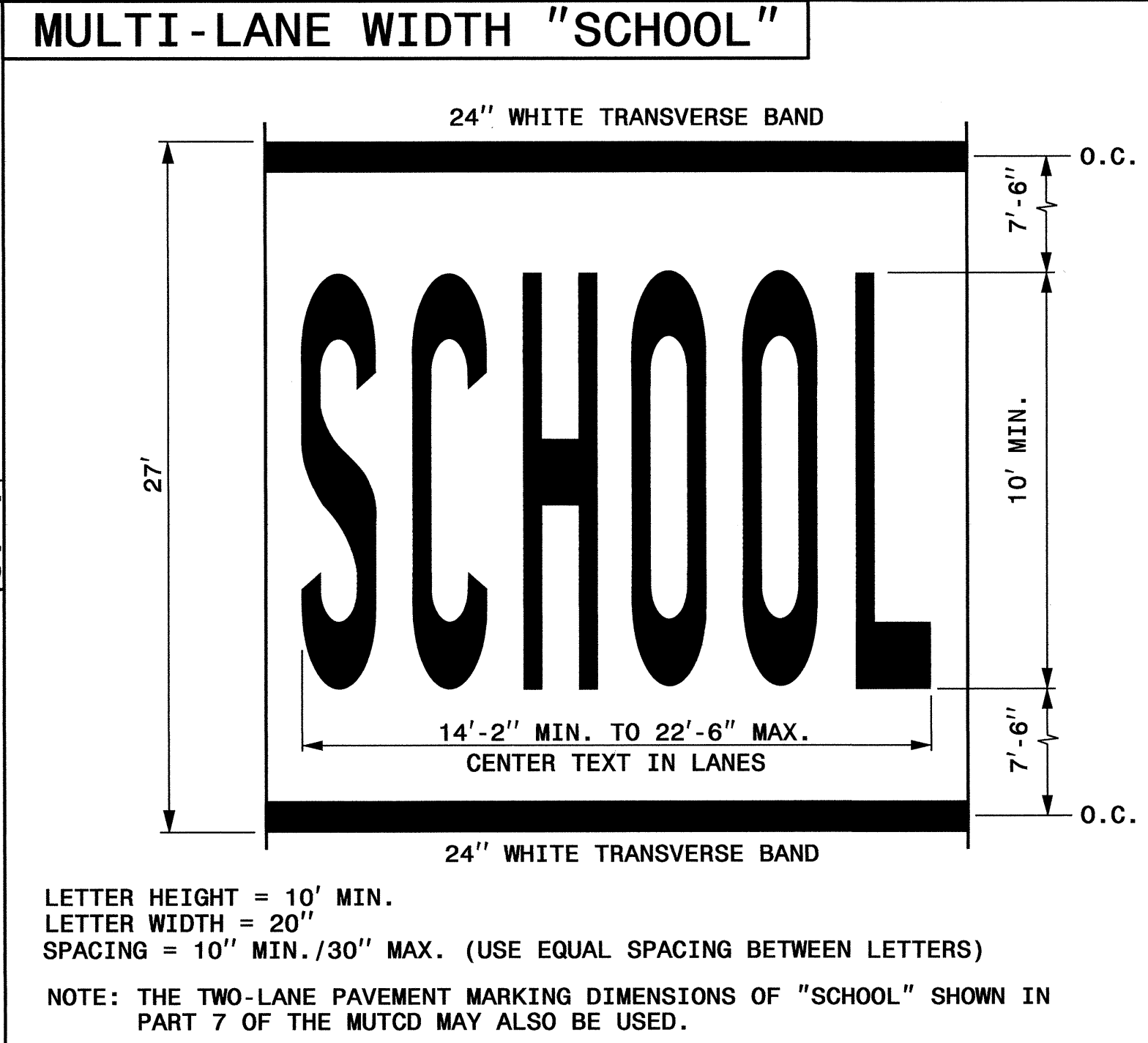
DATE: 3/8/12

SEAL

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

ENGLISH DETAIL DRAWING FOR  
**PAVEMENT MARKINGS**  
SYMBOLS AND WORD MESSAGES

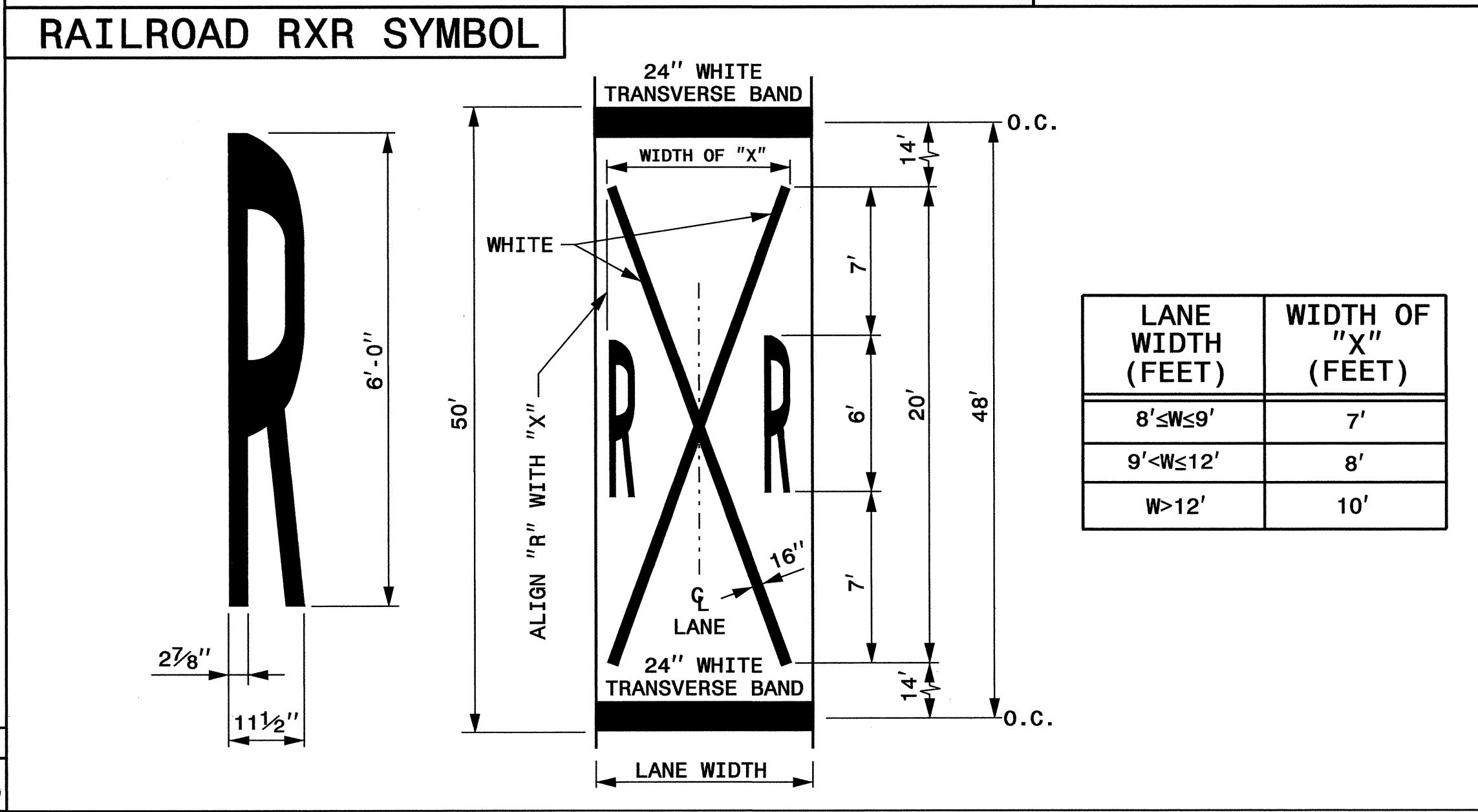
SHEET 3 OF 8  
**1205D08**



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

ENGLISH DETAIL DRAWING FOR  
**PAVEMENT MARKINGS**  
SYMBOLS AND WORD MESSAGES

SHEET 3 OF 8  
**1205D08**



**GENERAL NOTES:**

- 1- THE SCHOOL PAVEMENT MARKING CONSISTS OF SIX (6) CHARACTERS. THE TWO (2) 24" TRANSVERSE BANDS WILL BE PAID FOR UNDER A SEPARATE PAY ITEM. REFER TO ROADWAY STANDARD DRAWING 1205.10 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.
- 2- PAVEMENT MARKING IN ADVANCE OF A HIGHWAY-RAIL CROSSING SHALL CONSIST OF TWO (2) CHARACTERS AND TWO (2) 16" LINES (FORMING AN X) WHICH ARE PAID FOR UNDER TWO SEPARATE PAY ITEMS. THE TWO (2) 24" TRANSVERSE BANDS WILL BE PAID FOR UNDER A SEPARATE PAY ITEM. REFER TO ROADWAY STANDARD DRAWING 1205.11 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.

**REVISED PAVEMENT MARKING  
ROADWAY STANDARD DRAWING**

08-MAR-2012 12:18 S:\S&D\Standards\_Group\NMP\2012 Standard Drawings\Standard Dwas 8-17-11\Revised\12050803\_Rev12.dgn

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

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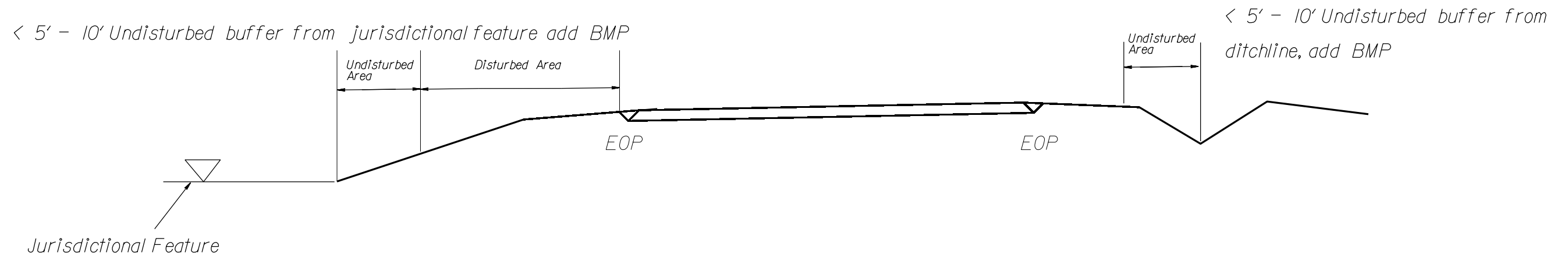
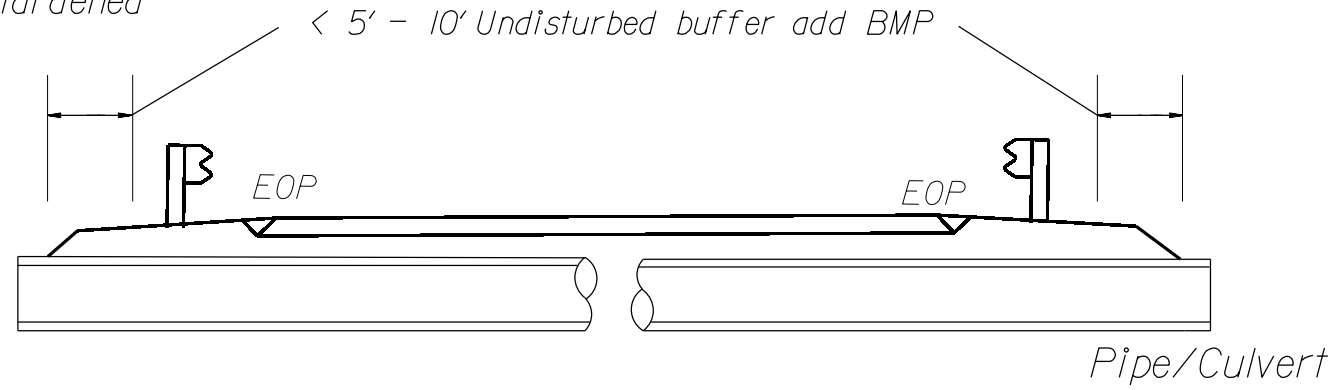
## ***SOIL STABILIZATION TIMEFRAMES***

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

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

BMP Options: Wattle, Silt Fence or Hardened Aggregate.

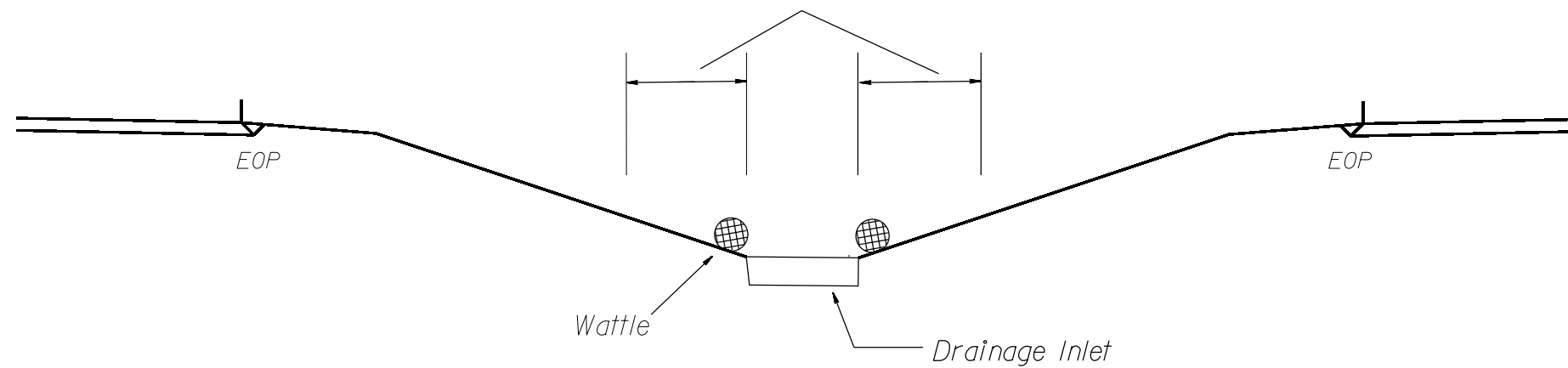
# EROSION CONTROL DETAIL



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

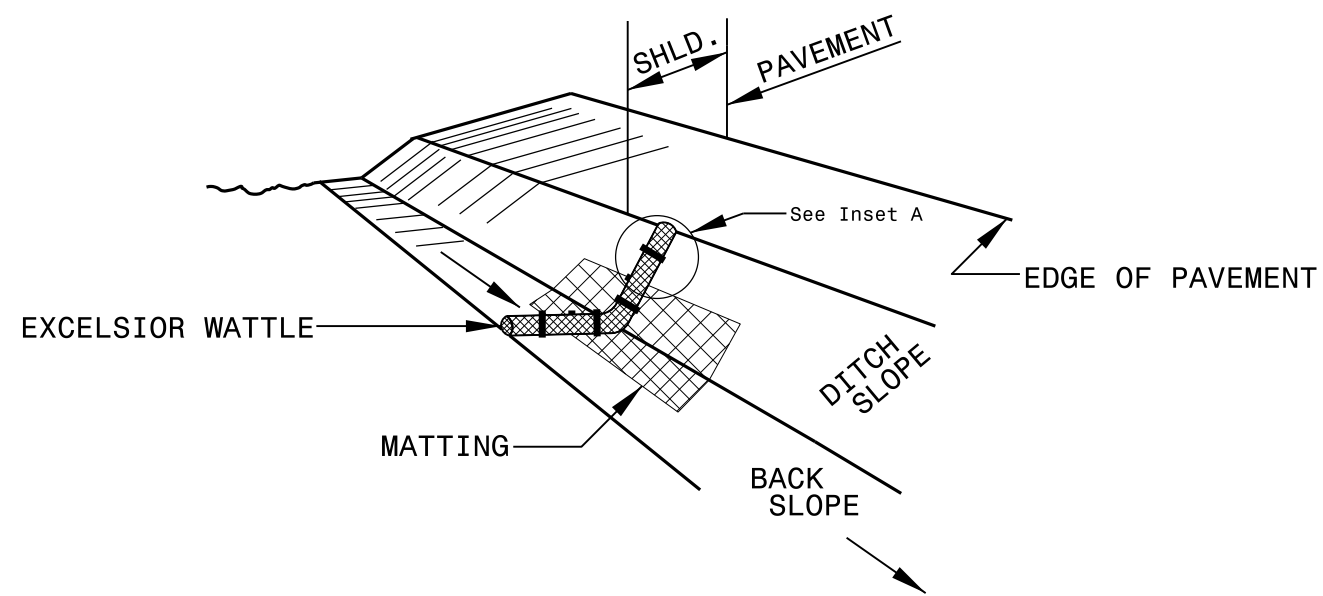


< 5' - 10' Undisturbed buffer from inlet, add wattle

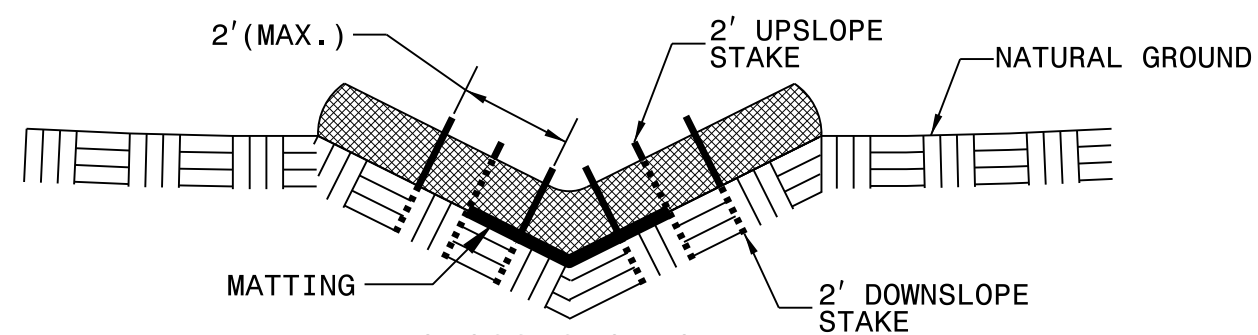


NOT TO SCALE

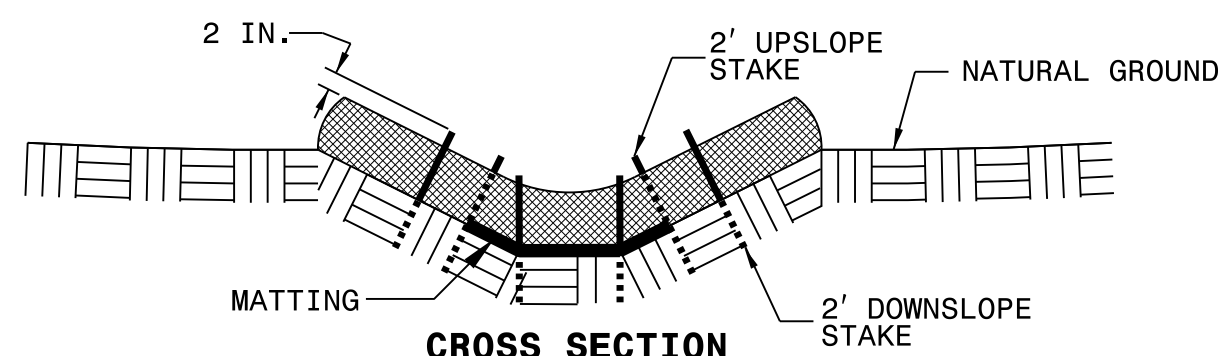
# WATTLE DETAIL



**ISOMETRIC VIEW**



**CROSS SECTION VEE DITCH**



**CROSS SECTION TRAPEZOIDAL DITCH**

**NOTES:**

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

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

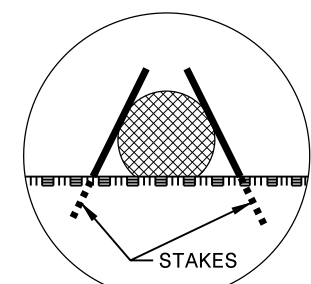
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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

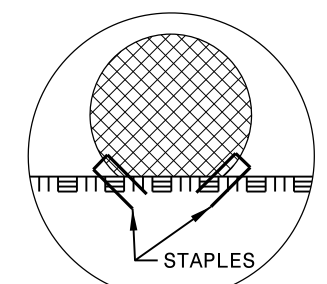
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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

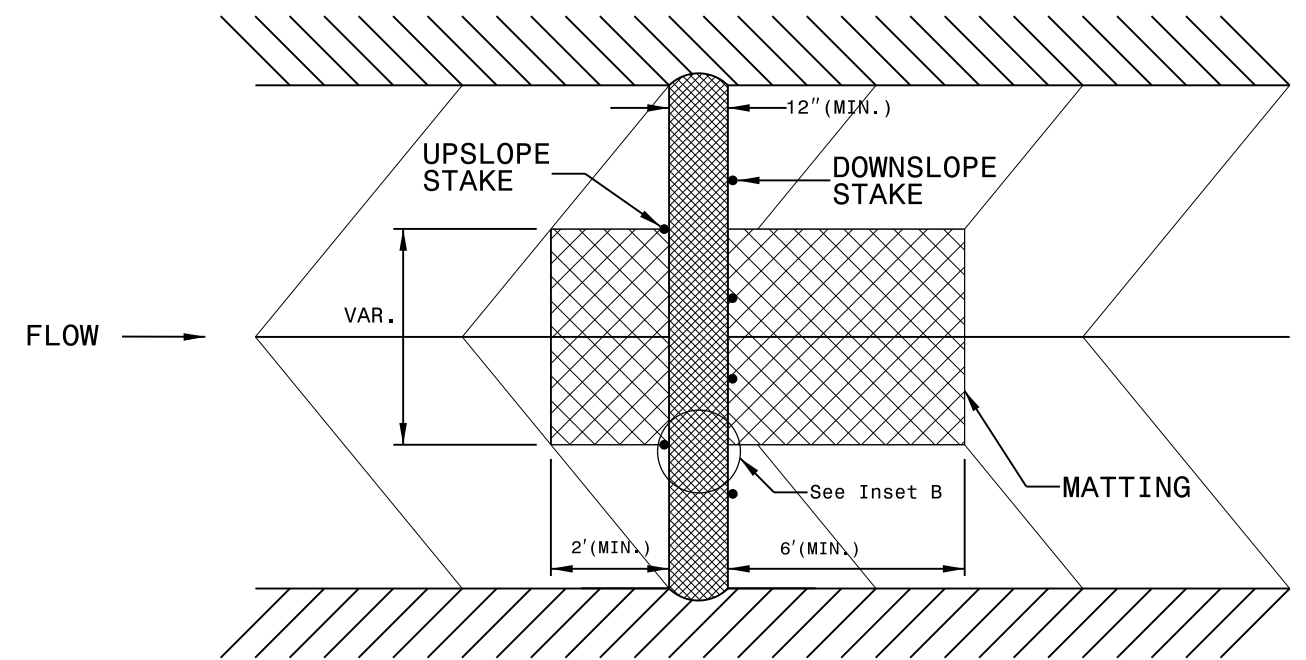
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



**INSET A**



**INSET B**



**TOP VIEW**