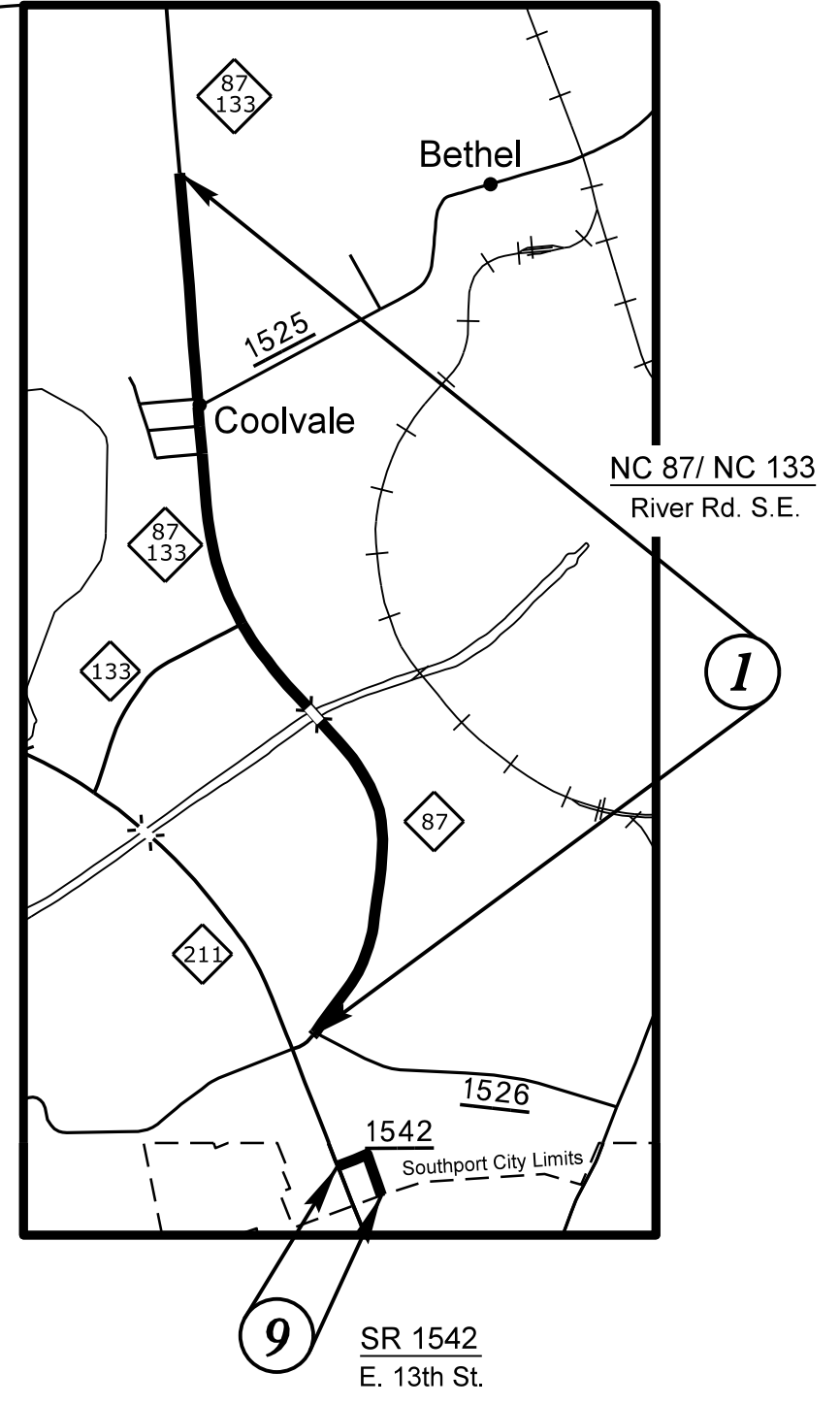
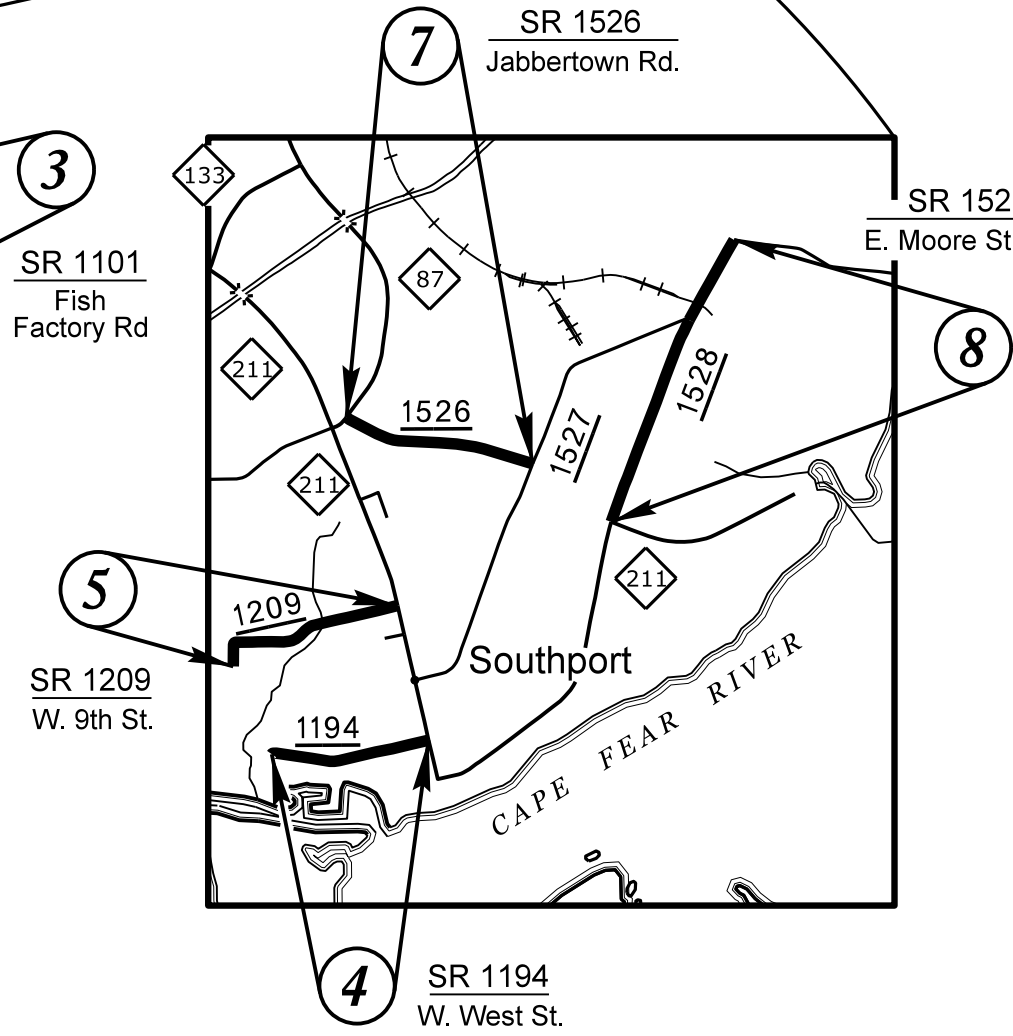
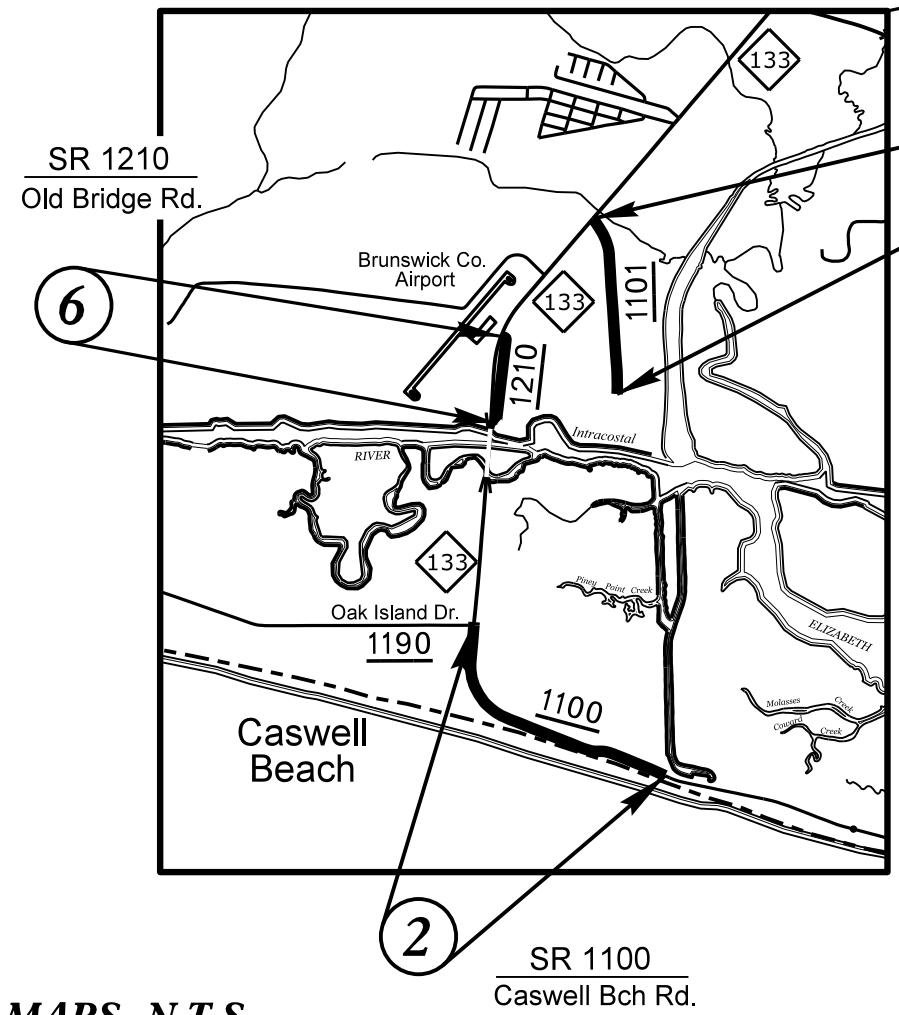
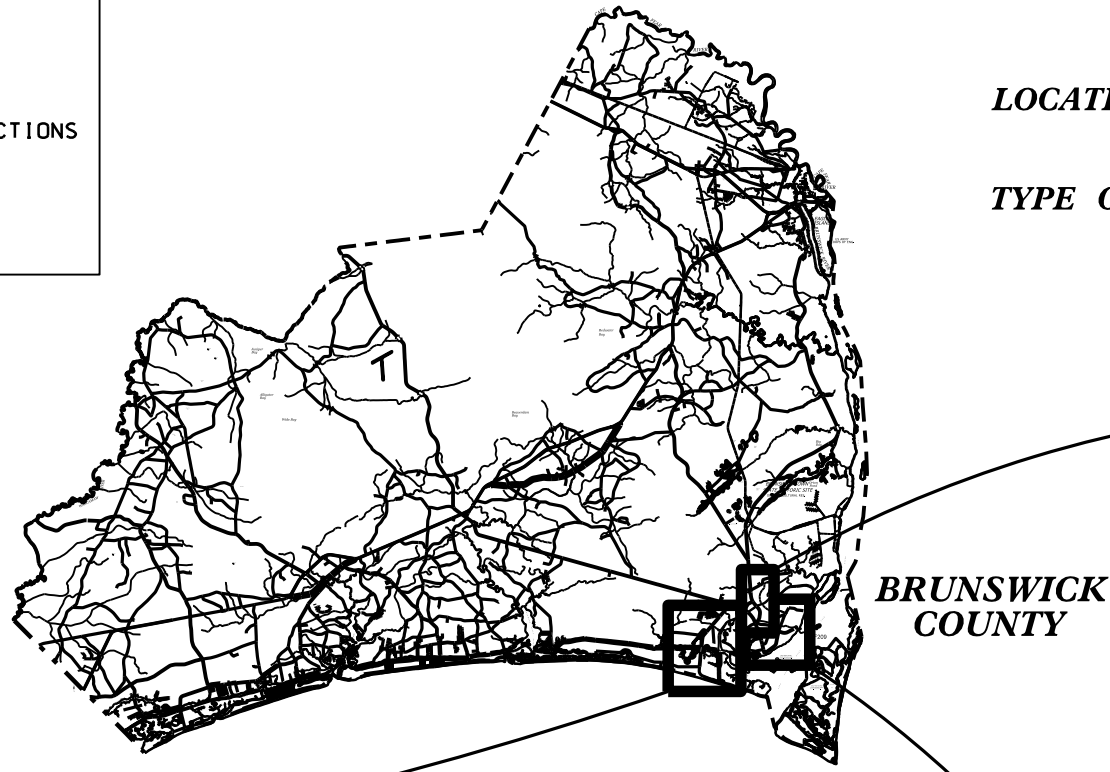


BRUNSWICK COUNTY

LOCATION: 1 SECTION OF NC 87/NC 133 (RIVER RD. S.E.)
8 SECTIONS OF SECONDARY ROADS

TYPE OF WORK: MILLING, MAT COAT & RESURFACING, ETC.

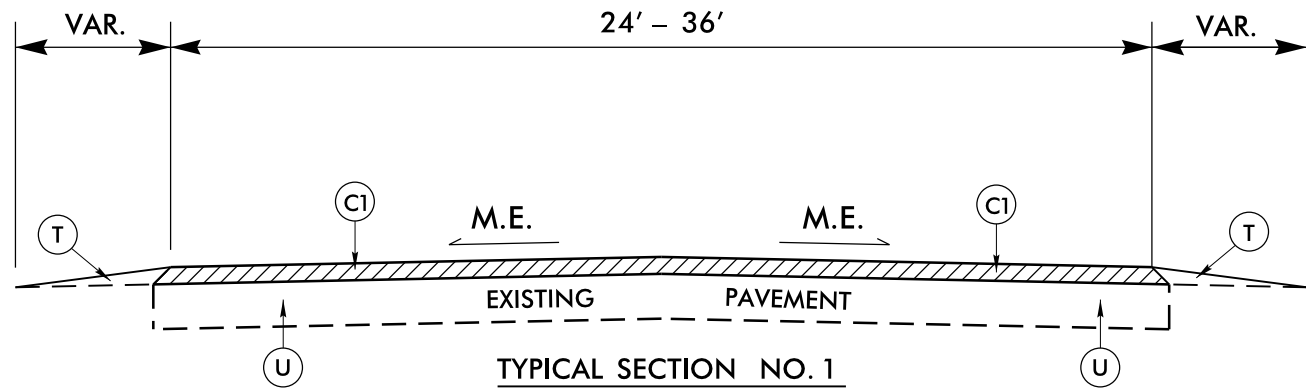
INDEX OF SHEETS	
SHEET NO.	SHEET
1	INDEX OF SHEETS & TITLE SHEET
2 - 16	PAVEMENT SCHEDULE, TYPICAL SECTIONS & DETAIL SHEETS
17 - 20	SUMMARY OF QUANTITIES
21 - 22	TRAFFIC CONTROL DETAIL



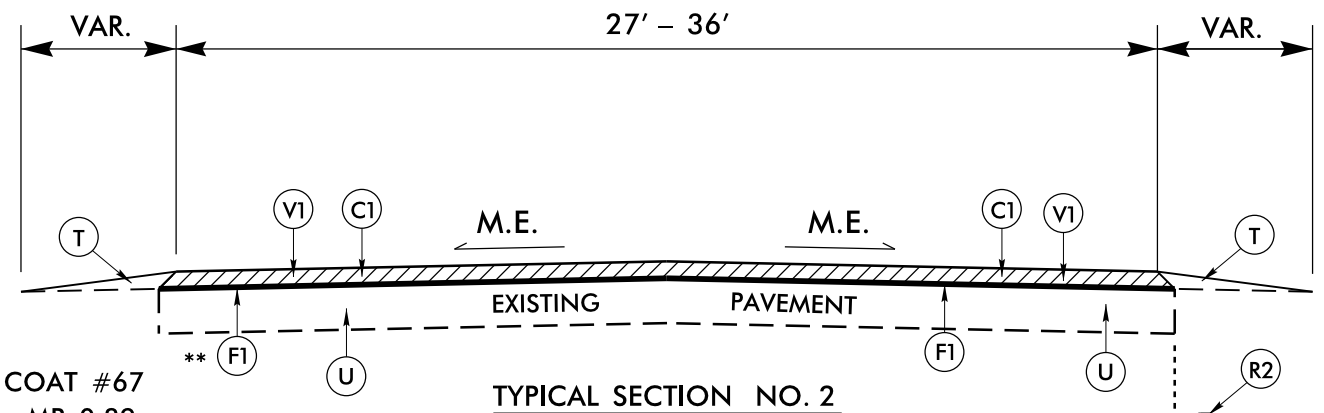
MAPS N.T.S.

REVISIONS

29-JUL-2016 08:13
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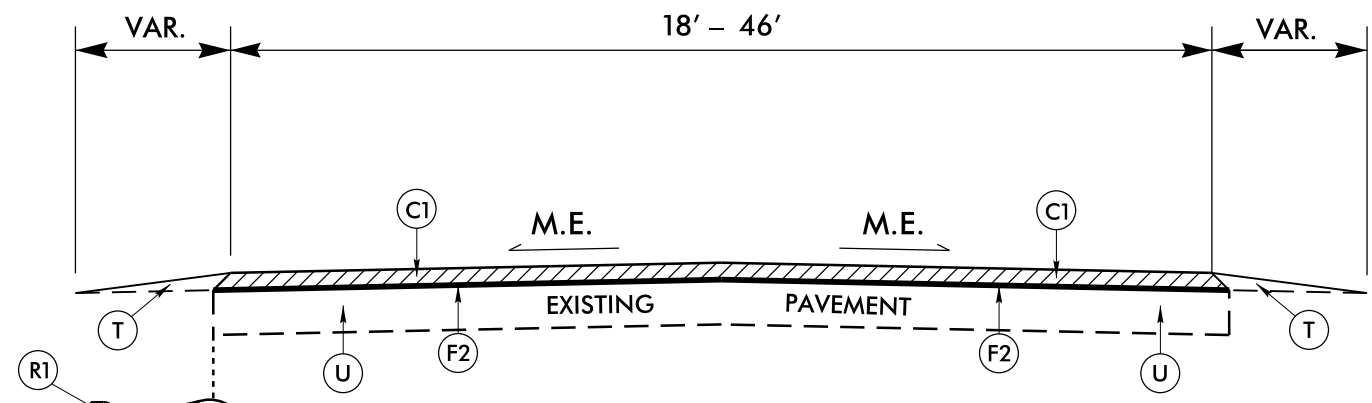


TYPICAL SECTION NO. 1
 MAP NO. 1
 NC 87/NC 133 (RIVER RD. S.E.)
 MP 0.00 - MP 2.27
 (NO ASPHALT WORK ON BRIDGE #2
 MP 0.92 - MP 0.98)

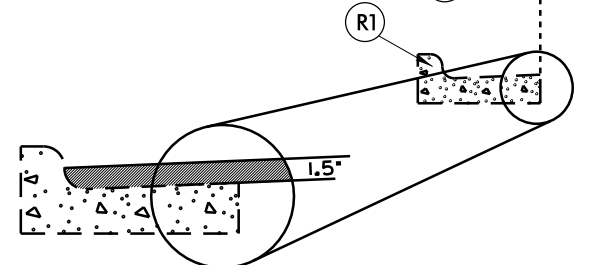


** AST MAT COAT #67
 MP 0.00 - MP 0.89

TYPICAL SECTION NO. 2
 MAP NO. 2
 SR 1100 (CASWELL BEACH RD.)
 MP 0.00 - MP 1.35
 MP 0.49 - MP 0.58



TYPICAL SECTION NO. 3
 MAP NO. 3
 SR 1101 (FISH FACTORY RD.)
 MP 0.00 - MP 0.87
 MAP NO. 5 **
 SR 1209 (W. 9TH ST.)
 MP 0.00 - MP 0.78



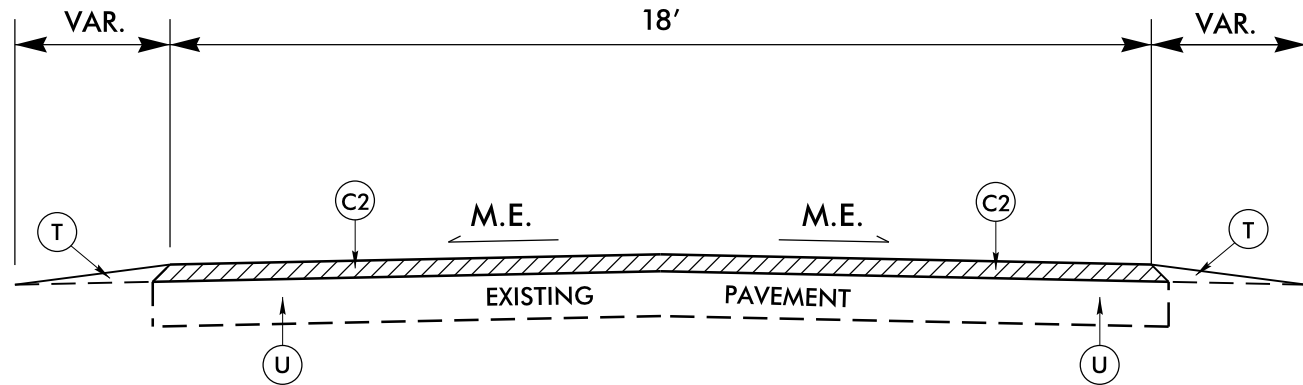
** MAP NO. 5
 MP 0.08 - MP 0.14

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
C2	PROP. APPROX. 1¼" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 138 LBS. PER SQ.YD.
C3	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
F1	ASPHALT SERVICE TREATMENT - MAT COAT #67 STONE
F2	ASPHALT SERVICE TREATMENT - MAT COAT #78M STONE
R1	EXISTING CONCRETE 2'-6" CURB & GUTTER
R2	6" x 9" EXISTING CONCRETE CURB
T	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
U	EXISTING PAVEMENT
V1	MILLING BITUMINOUS PAVEMENT 1½" DEPTH.

PAVEMENT EDGE SLOPES ARE 1:1, EXCEPT FINAL SURFACE COURSE. SEE SHOULDER WEDGE DETAIL.
 SEE STD. DRAWING 1205.01, SHEET 2 OF 2, TABLE 1 FOR EDGE LINE OFFSETS.

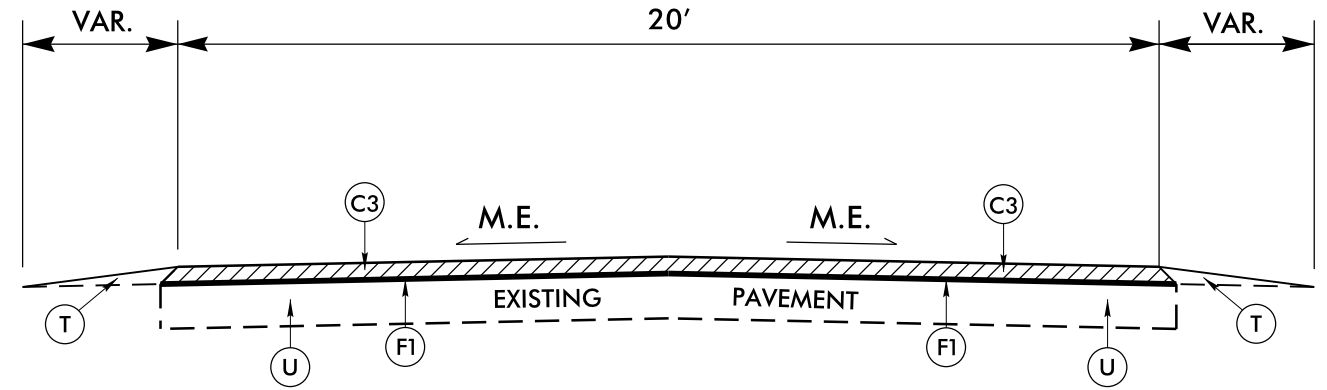
REVISIONS

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



TYPICAL SECTION NO. 4

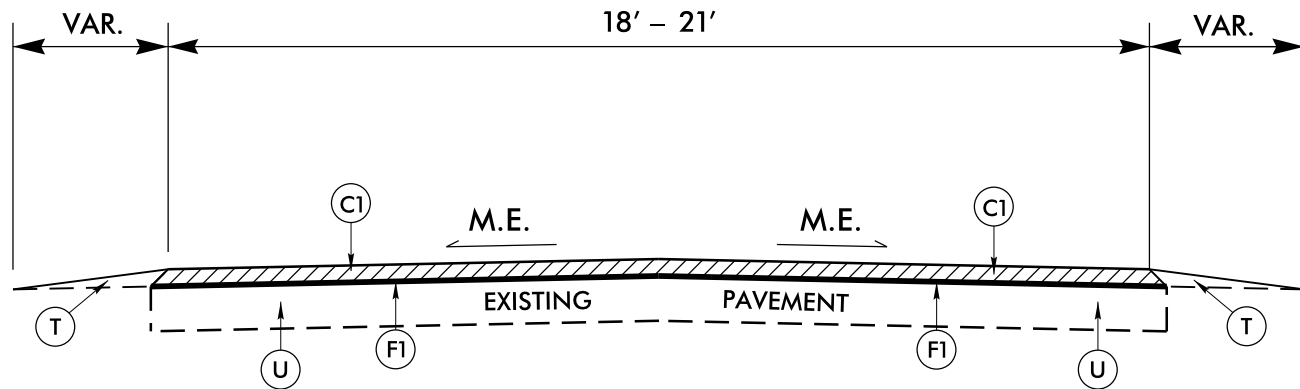
MAP NO. 4
SR 1194 (W. WEST ST.)
MP 0.00 - MP 0.65



TYPICAL SECTION NO. 5

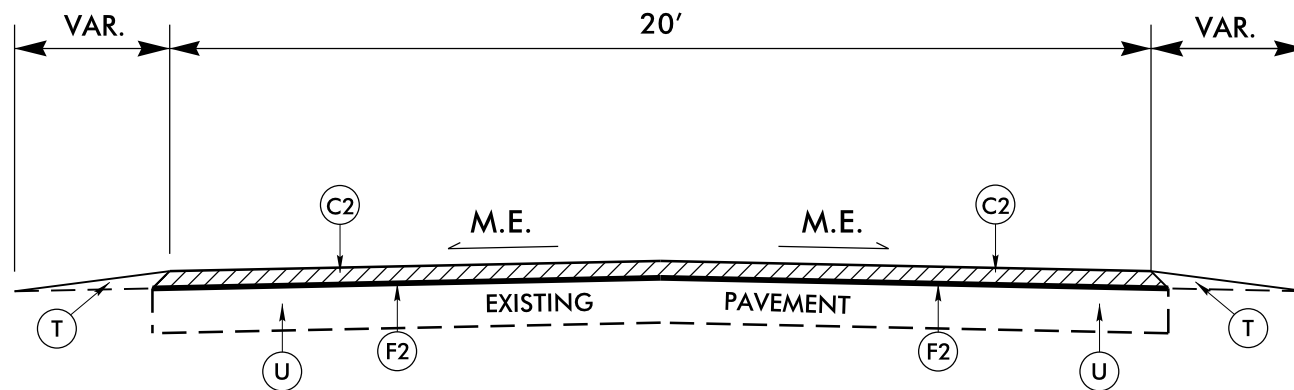
MAP NO. 6
SR 1210 (OLD BRIDGE RD.)
MP 0.00 - MP 0.44

MAP NO. 7
SR 1526 (JABBERTOWN RD.)
MP 0.00 - MP 0.79



TYPICAL SECTION NO. 6

MAP NO. 8
SR 1528 (E. MOORE ST. S.E.)
MP 0.00 - MP 1.24



TYPICAL SECTION NO. 7

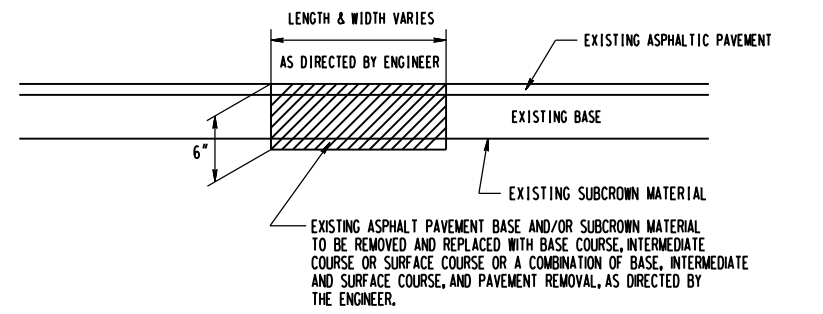
MAP NO. 9
SR 1542 (E. 13TH ST.)
MP 0.00 - MP 0.19

PAVEMENT SCHEDULE	
C1	1½" S9.5B
C2	1¼" SF9.5A
C3	1½" SF9.5A
F1	AST MAT COAT #67 STONE
F2	AST MAT COAT #78M STONE
T	SH. RECONSTR.
U	EXISTING PAVEMENT

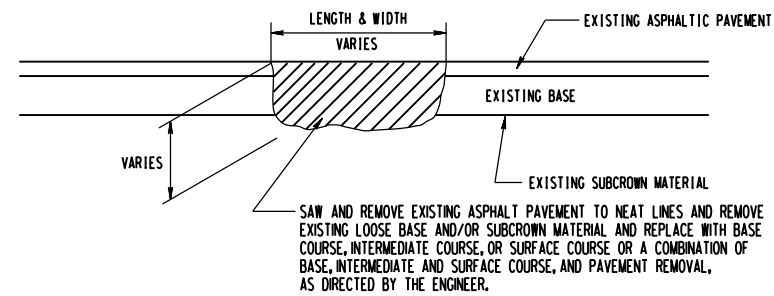
REVISIONS

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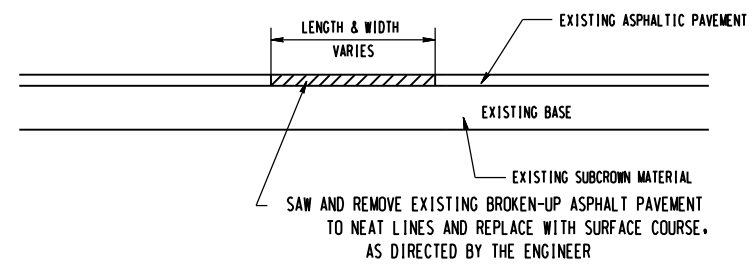
DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



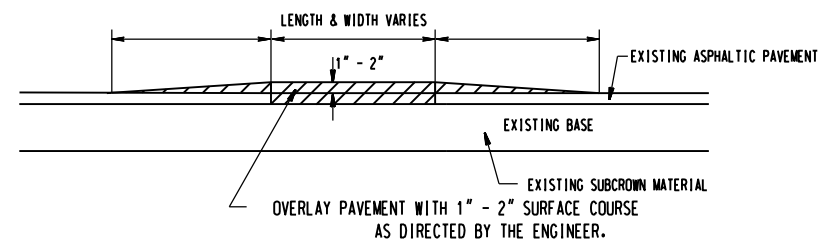
DETAIL NO. 1



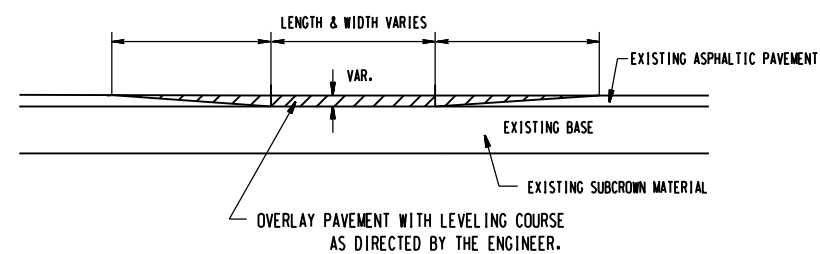
DETAIL NO. 2



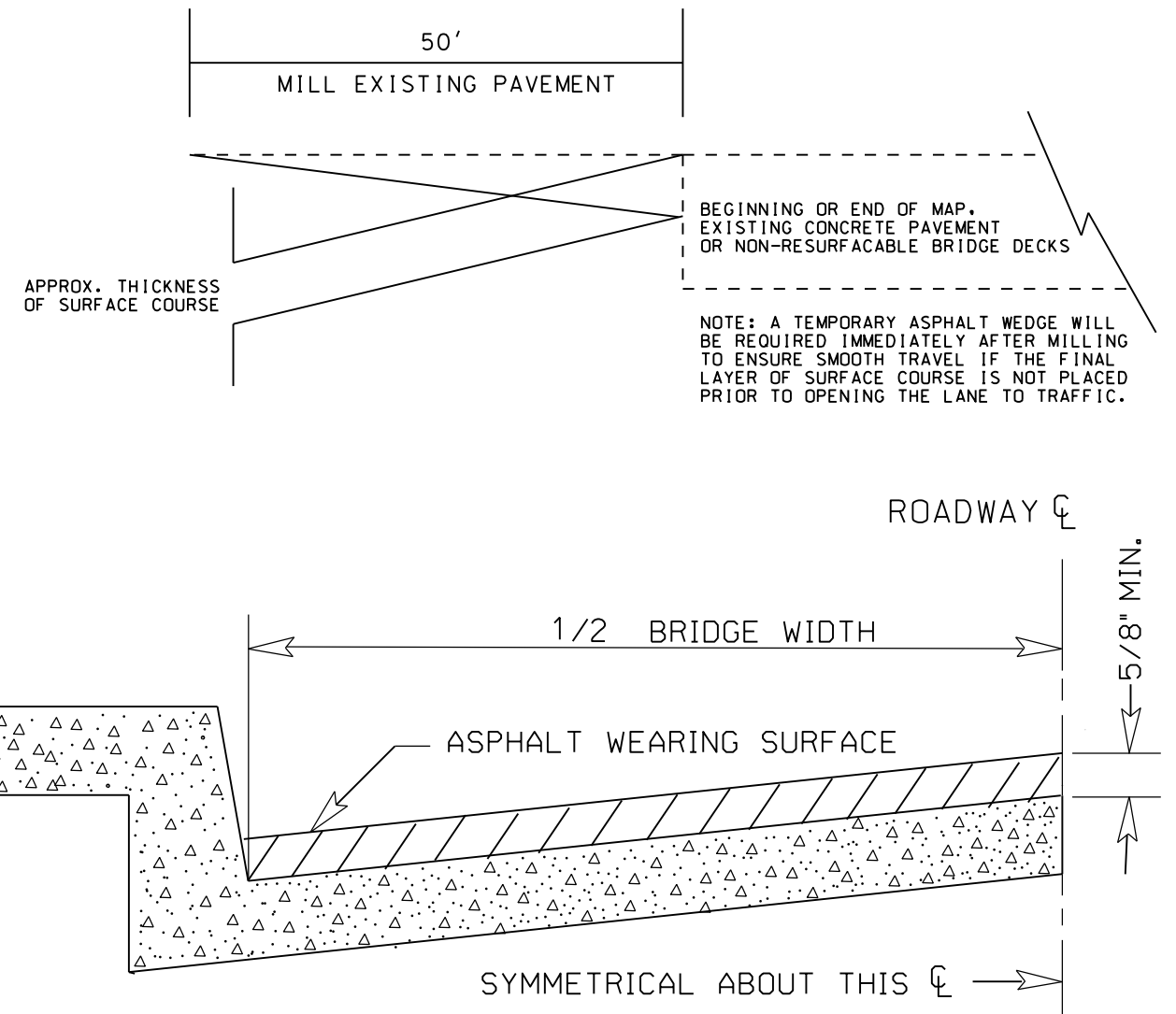
DETAIL NO. 3



DETAIL NO. 4



DETAIL NO. 5



BRIDGE HALF TYPICAL SECTION

FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN.

THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. A THICKNESS OF NOT LESS THAN 5/8" SHALL BE PROVIDED. THE MAXIMUM THICKNESS SHALL PREFERABLY BE 1-1/2" UNLESS IT IS IMPRACTICAL TO PROVIDE A SMOOTH RIDING SURFACE OTHERWISE.

REVISIONS

8/17/2015

County\Plan Sheets\3CR.20711.173_Patch.dgn

I:\FB-2015 12:09 D:\Resurfacing\2015\03\2015-03-24\10101.dwg
L:\Resurfacing\2015\03\2015-03-24\10101.dwg
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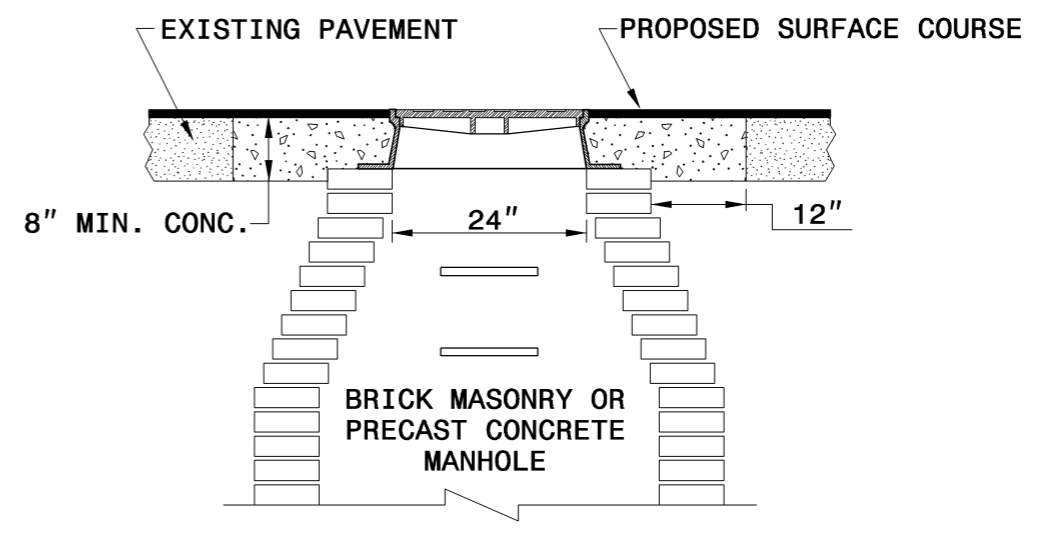
STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
MANHOLE AND VALVE BOX ADJUSTMENTS

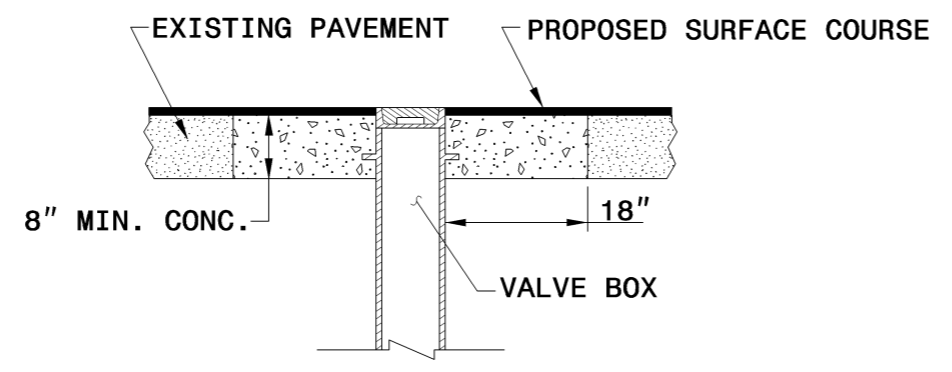
SHEET 1 OF 1
840D55

GENERAL NOTES:

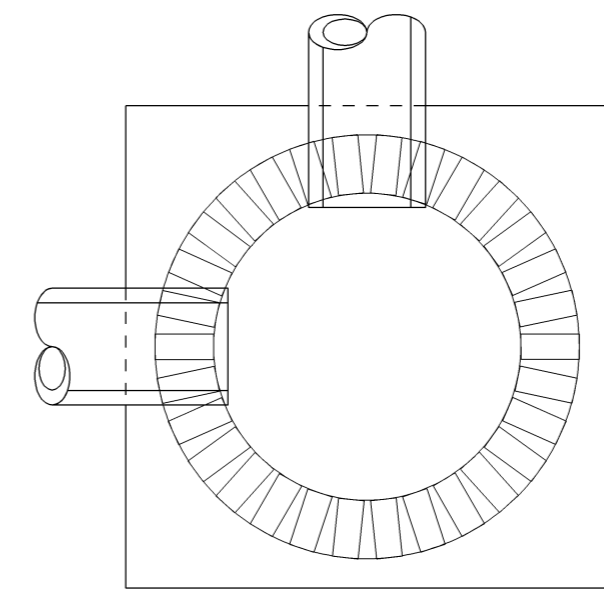
1. USE RAPID SET GROUT, MORTAR, OR CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
2. REMOVE ALL FAULTY EXISTING BRICKWORK AND REPLACE WITH NEW BRICK MASONRY.
3. SHEER CUT EXCAVATION FOR THE ADJUSTMENT ON ALL SIDES.
4. FILL AREA BELOW 8" DEPTH WITH 78M OR NO. 57 CLEAN STONE.
5. MIX MORTAR TO NCDOT SPECIFICATIONS.
6. MORTAR JOINTS 1/2" +/- 1/8"



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

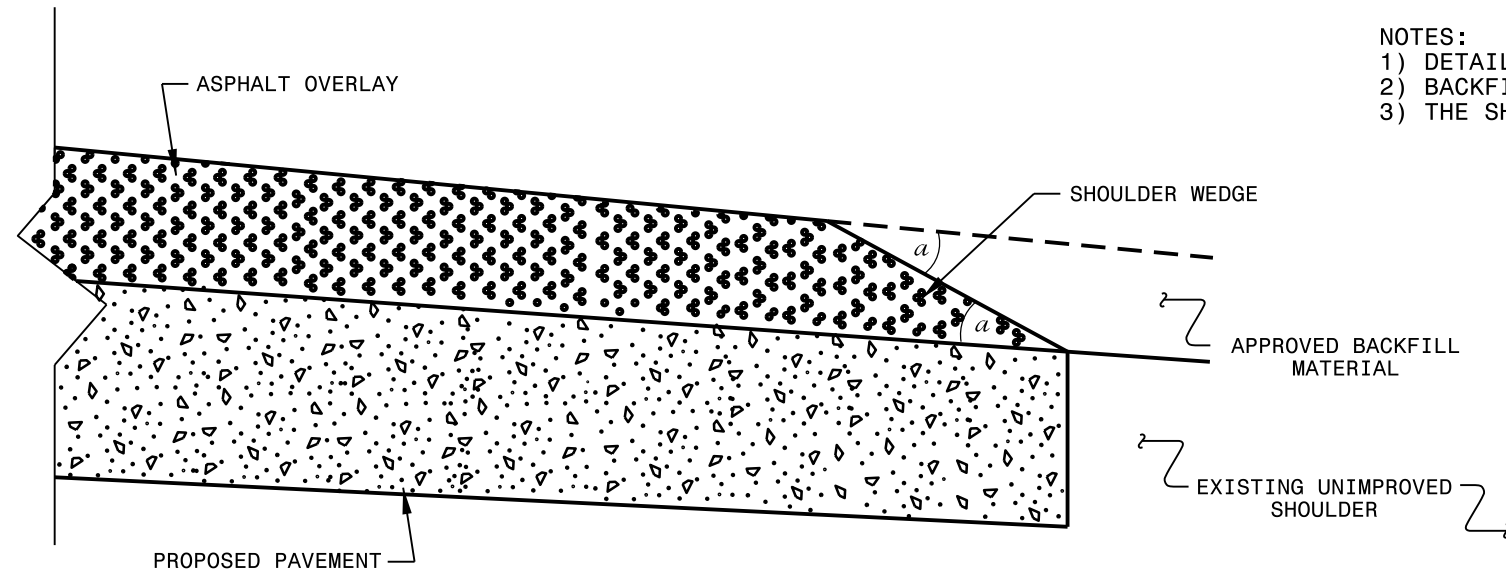
**PROJECT SERVICES UNIT
 STANDARDS AND SPECIAL DESIGN**
 Office 919-250-4128 FAX 919-250-4119

SEE PLATE FOR TITLE

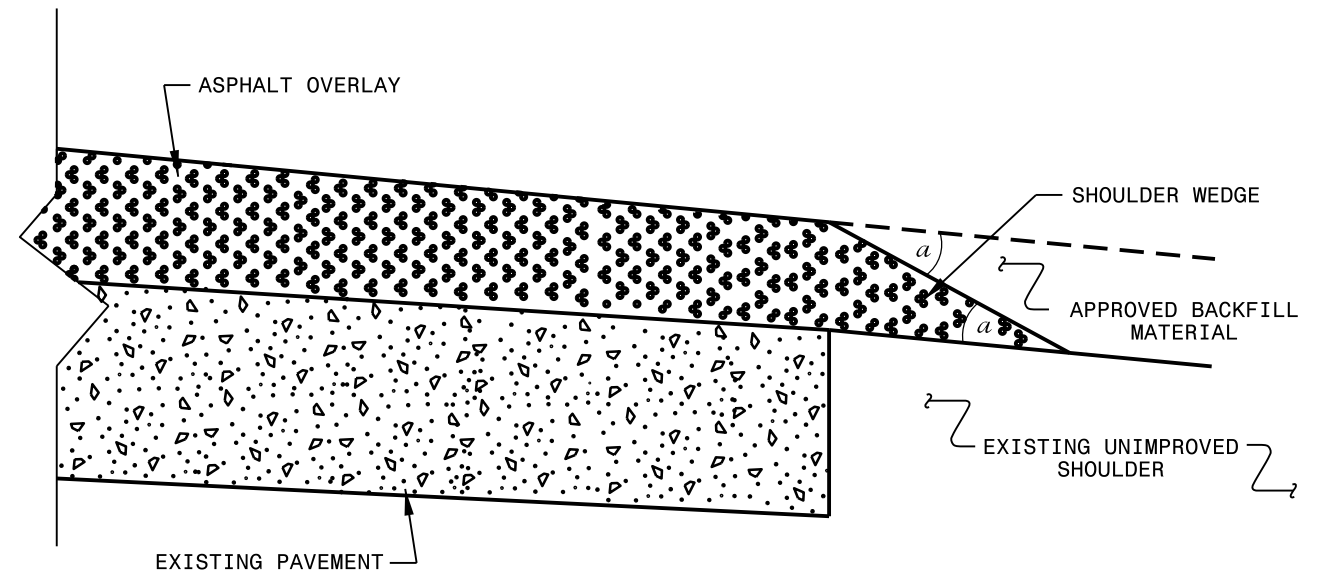
ORIGINAL BY: _____ DATE: _____
 MODIFIED BY: E.E. WARD DATE: _____
 CHECKED BY: _____ DATE: _____
 FILE SPEC.: /usr/details/stand/840d55.dgn

07-DEC-2005 14:25
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 ericward AT P522293

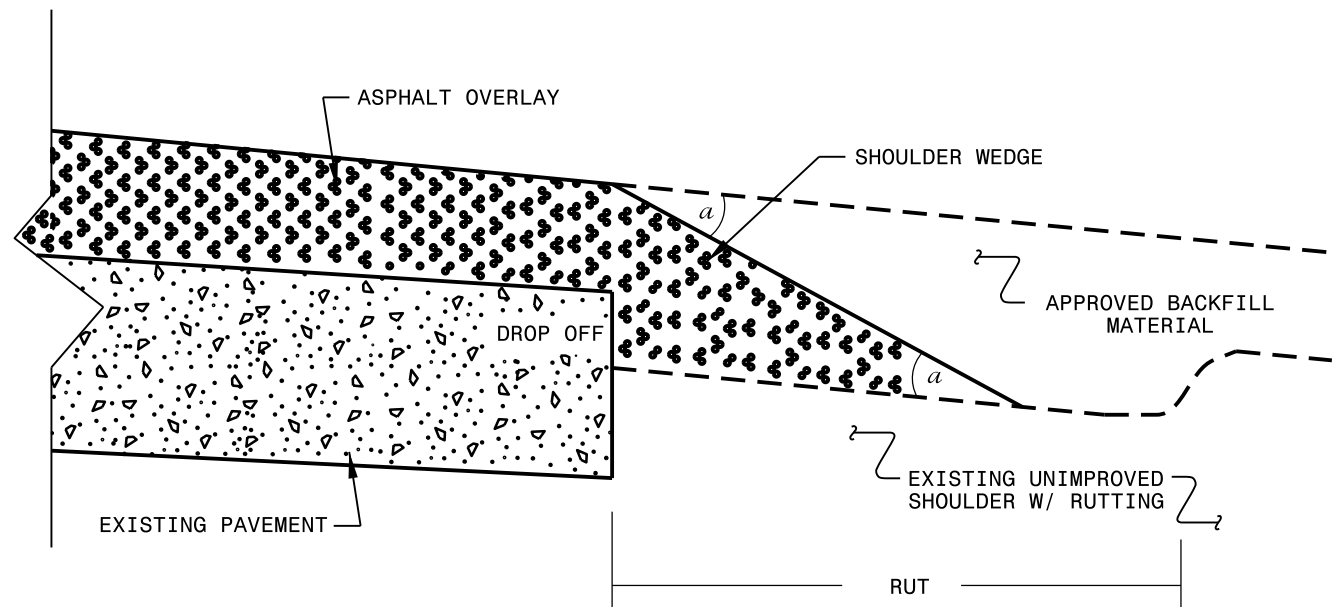
- NOTES:
 1) DETAIL DOES NOT APPLY TO OGAFc AND ULTRA-THIN BONDED WEARING COURSE.
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ NO Widening)

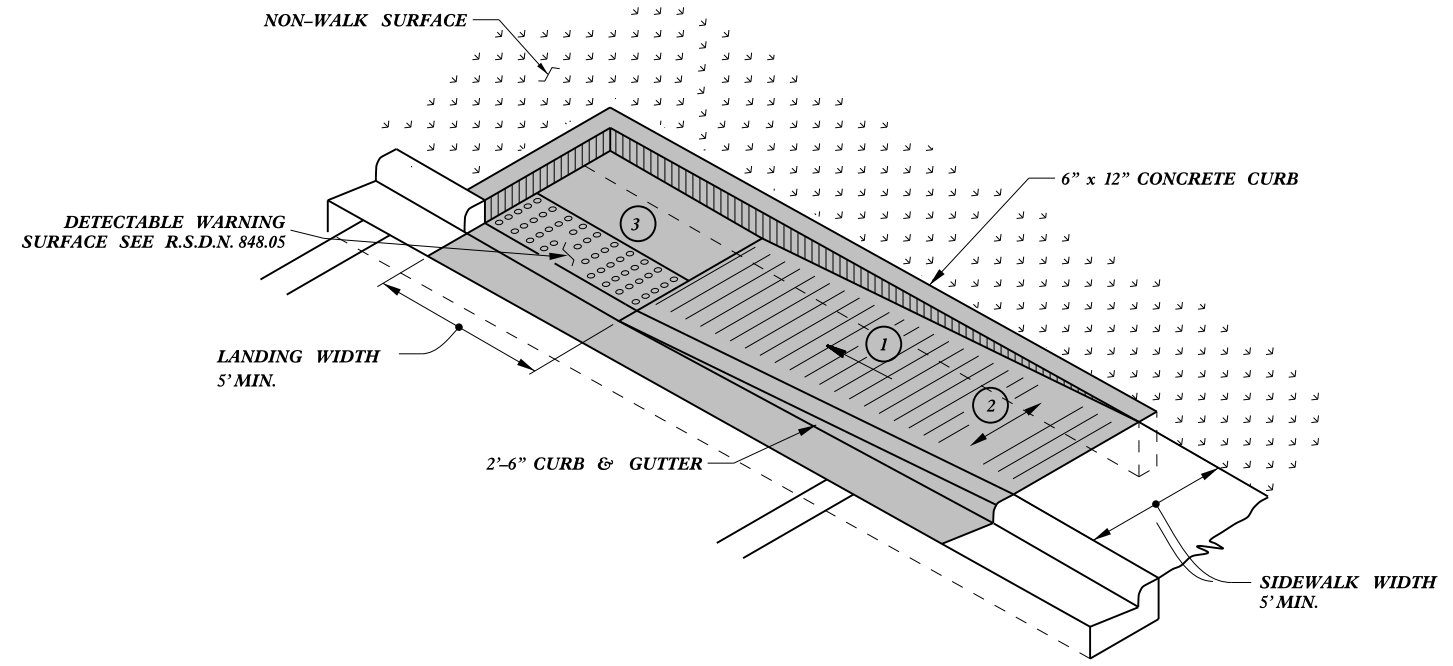


SHOULDER WEDGE DETAIL
 (Resurfacing Adjacent to
 Rutted Shoulder)

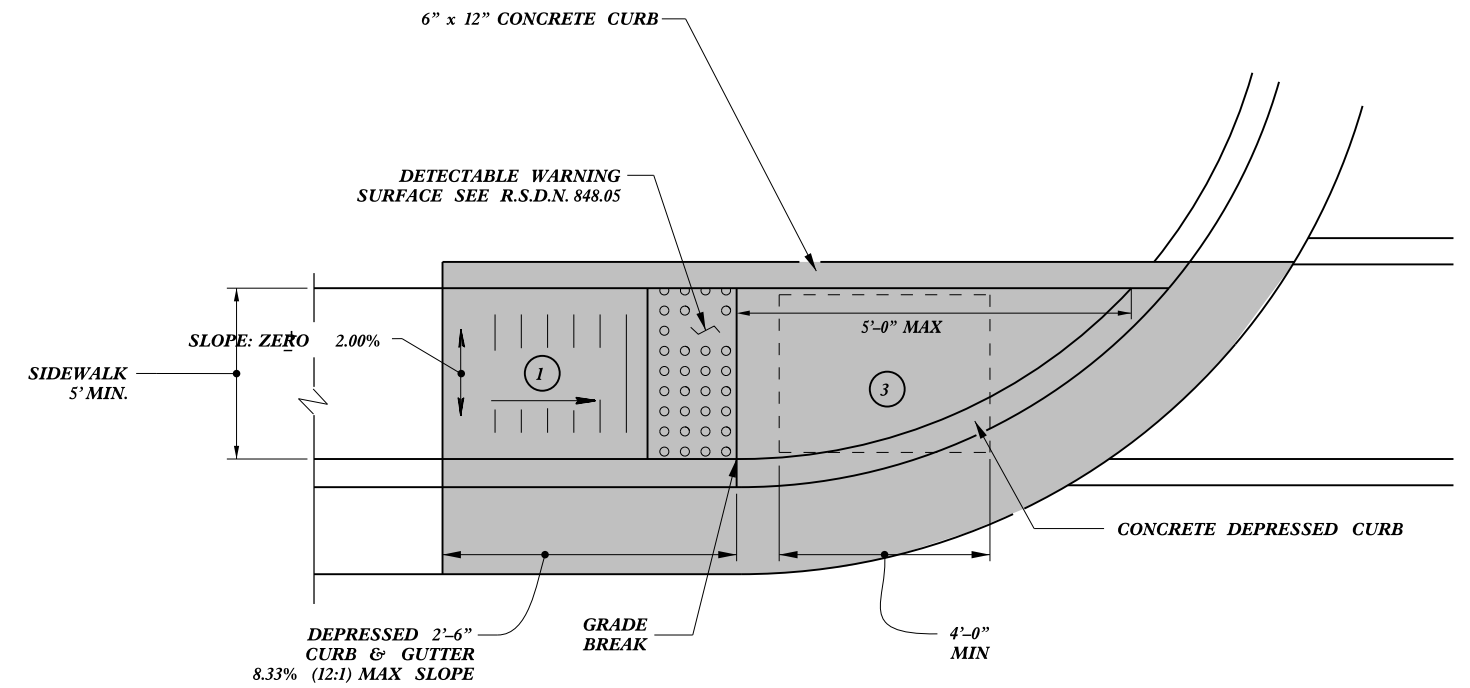
- SHOULDER WEDGE ANGLE = 30°

CONTRACT STANDARDS AND DEVELOPMENT UNIT			
Office 919-707-6950		FAX 919-250-4119	
SHOULDER WEDGE DETAILS			
ORIGINAL BY: T.SPELL	DATE: 7-19-11		
MODIFIED BY:	DATE: 10/16/12		
CHECKED BY:	DATE:		
FILE SPEC.: susr/details/stand/shoulderwedgedetail.dgn			

SYSTEMS DESIGN
 USER NAME



TYPE 1A



TYPE 1

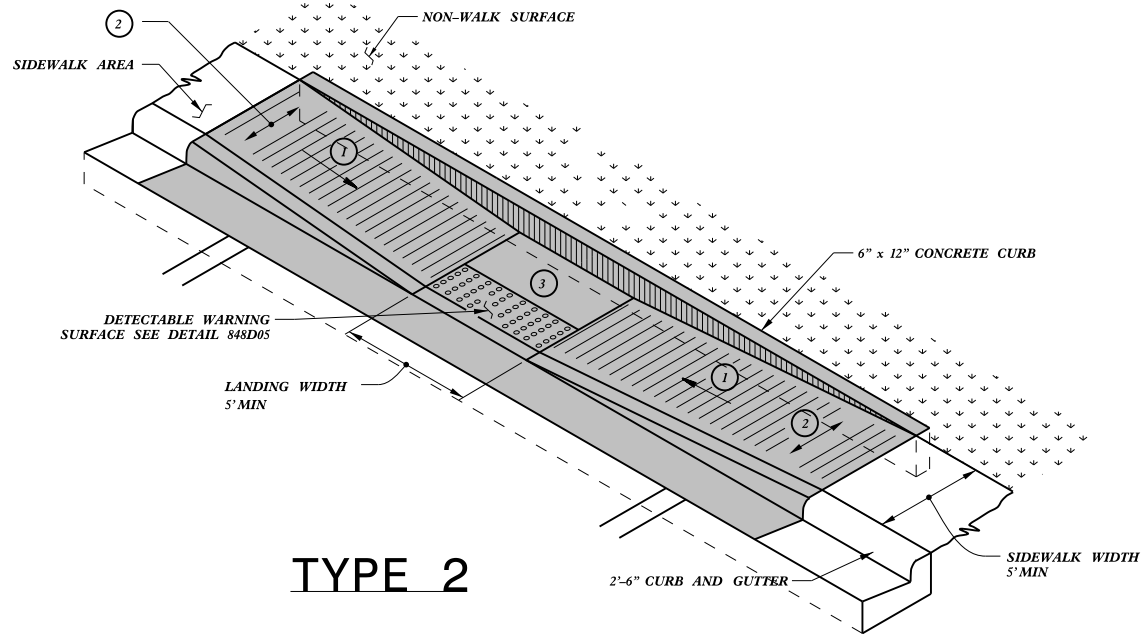
- ① 8.33% (12:1) MAX RAMP SLOPE
- ② CROSS SLOPE: 2.00%
- ③ CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.

PAY LIMITS FOR CURB RAMP

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

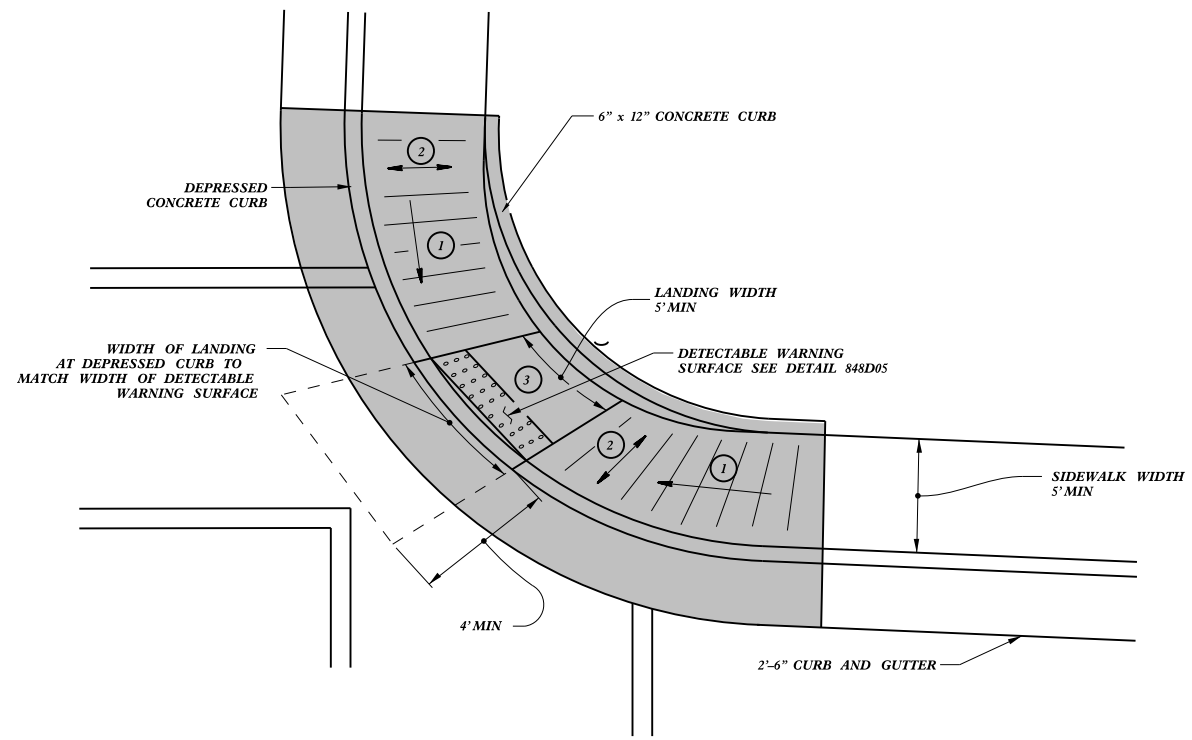
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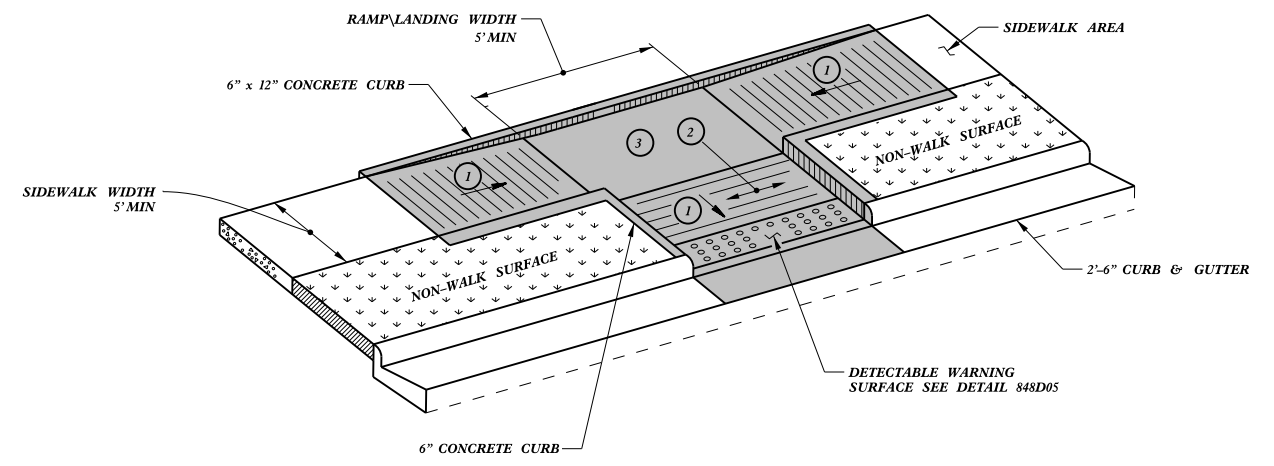
TYPE 2

PAY LIMITS FOR 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

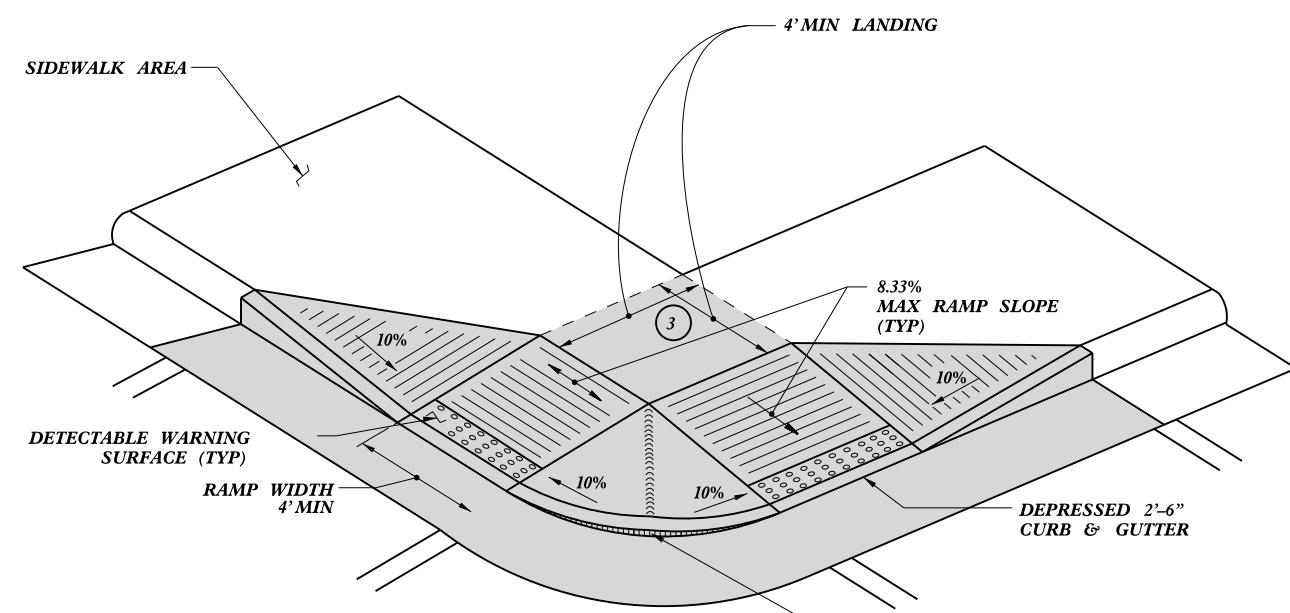


TYPE 3

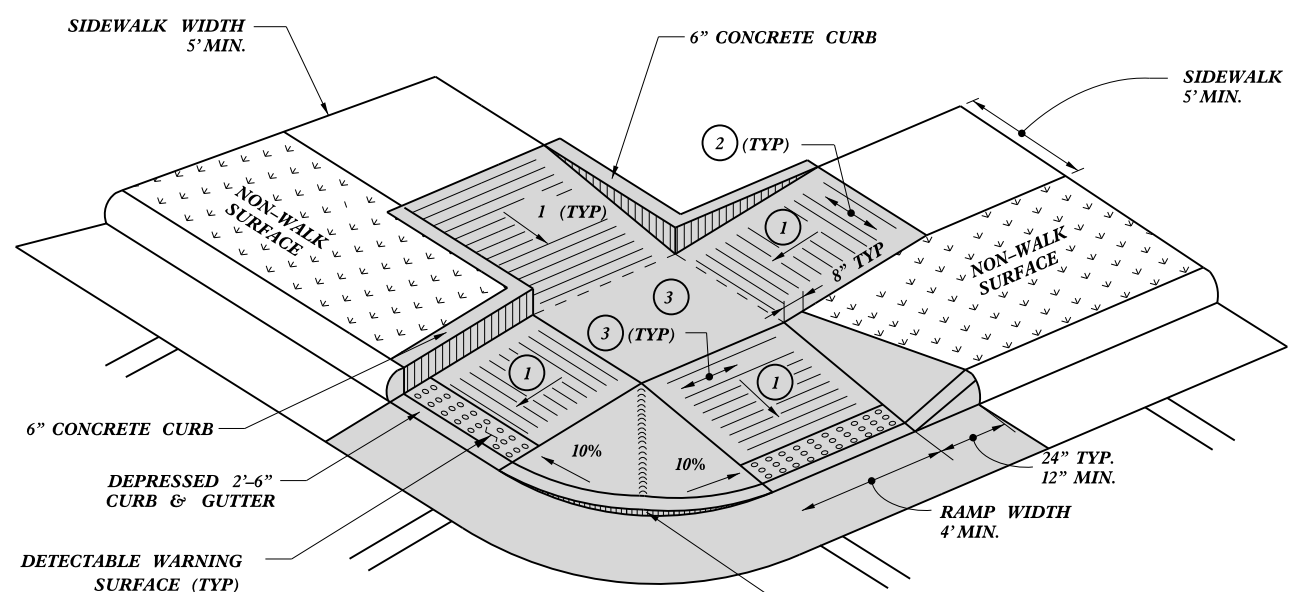
CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
CURB RAMPS	
Parallel Ramps	
ORIGINAL BY: J.S. HOWERTON	DATE: 7/7/11
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
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REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

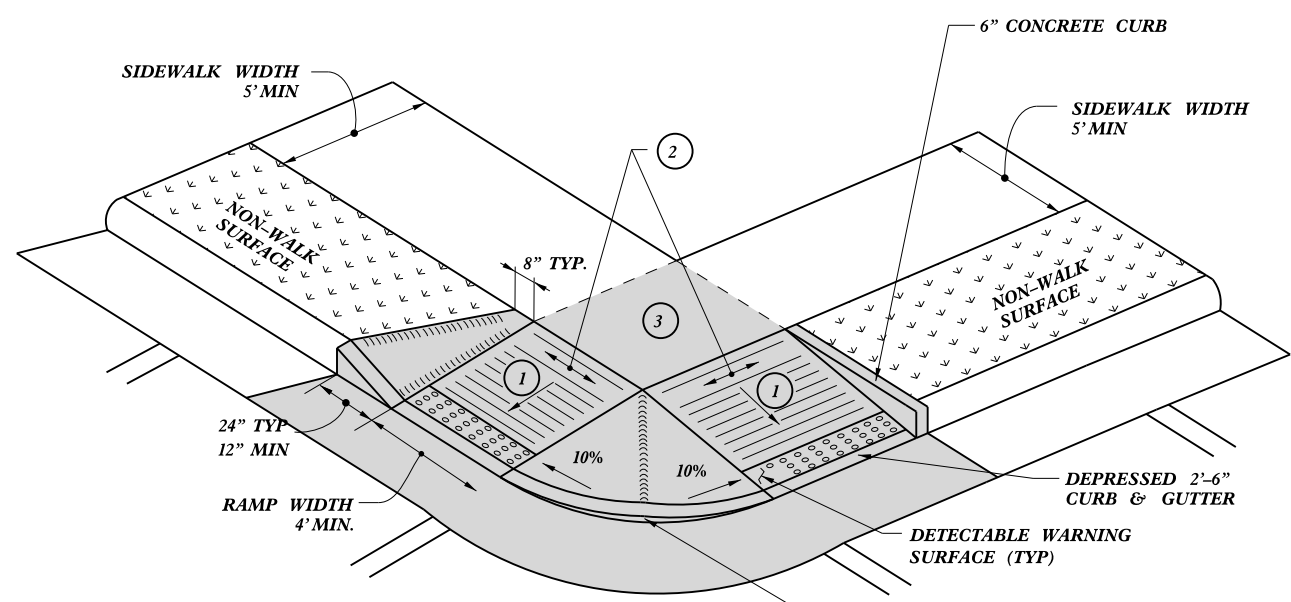
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TYPE 4



TYPE 5



TYPE 4A

- 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.

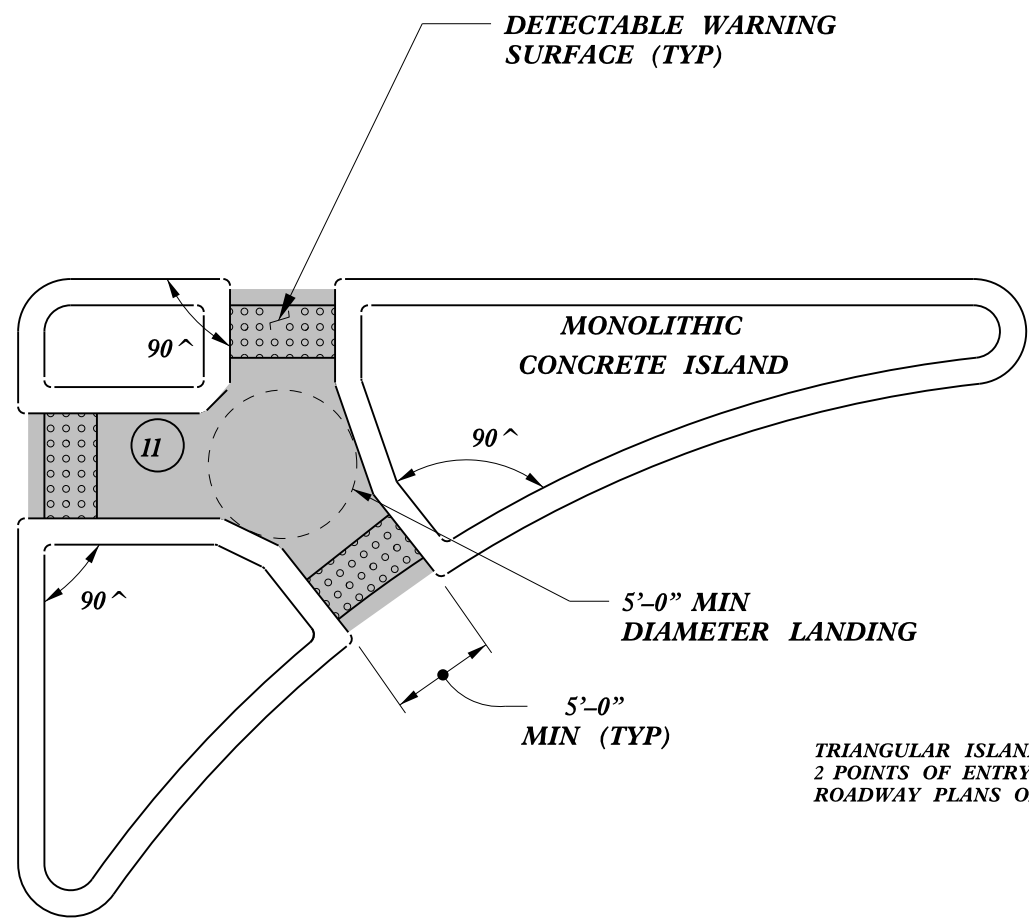
PAY LIMITS FOR CURB RAMP

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

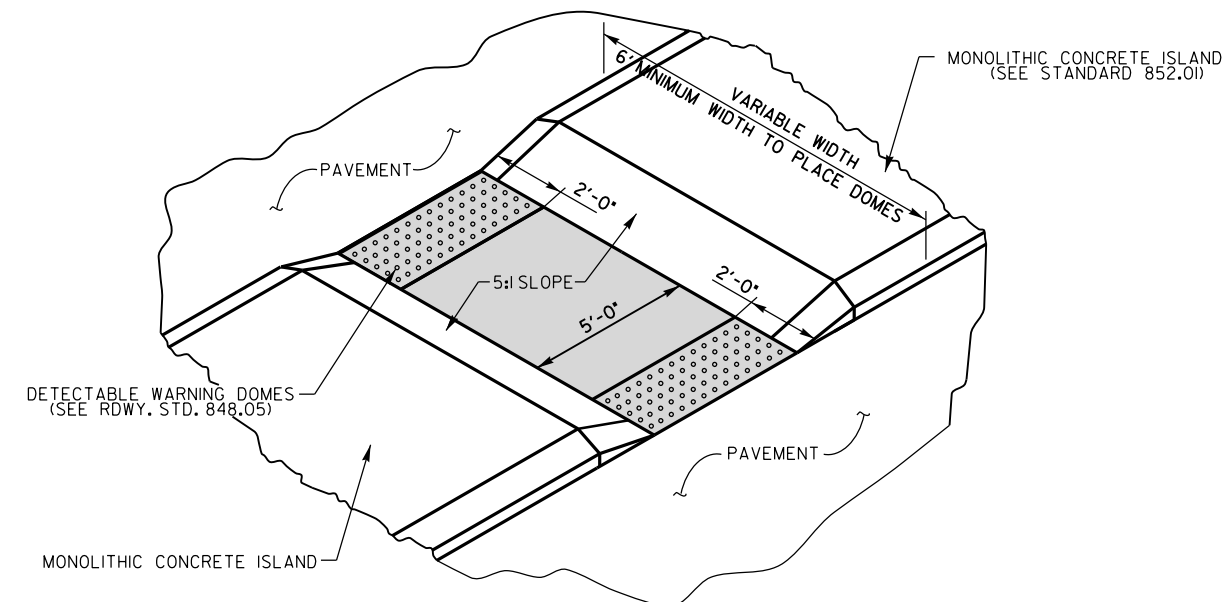
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PAY LIMITS FOR 1 CURB RAMP

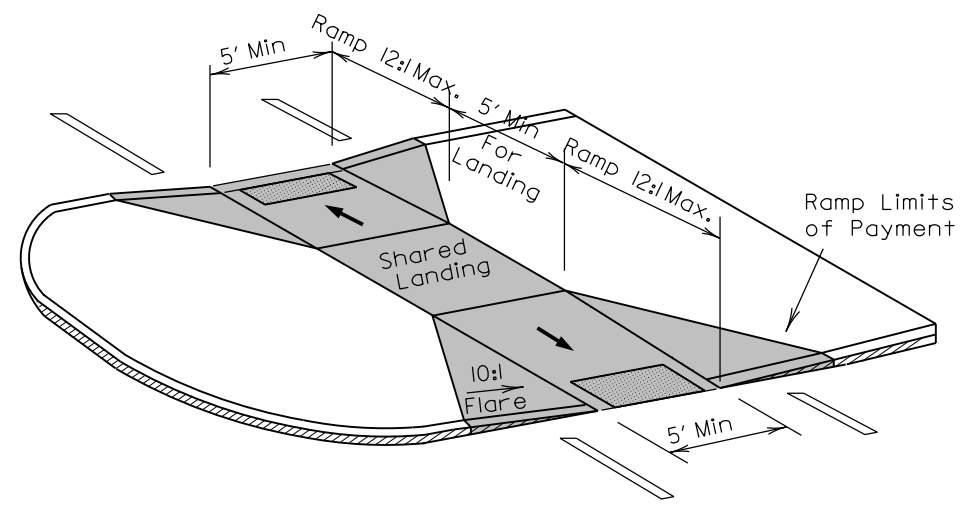


TRIANGULAR ISLANDS MAY BE CONSTRUCTED WITH ONLY 2 POINTS OF ENTRY AND EXIT AS SHOWN IN THE ROADWAY PLANS OR AS DIRECTED BY THE ENGINEER.

TRIANGULAR ISLAND WITH CUT THROUGH



MEDIAN ISLAND WITH CUT THROUGH

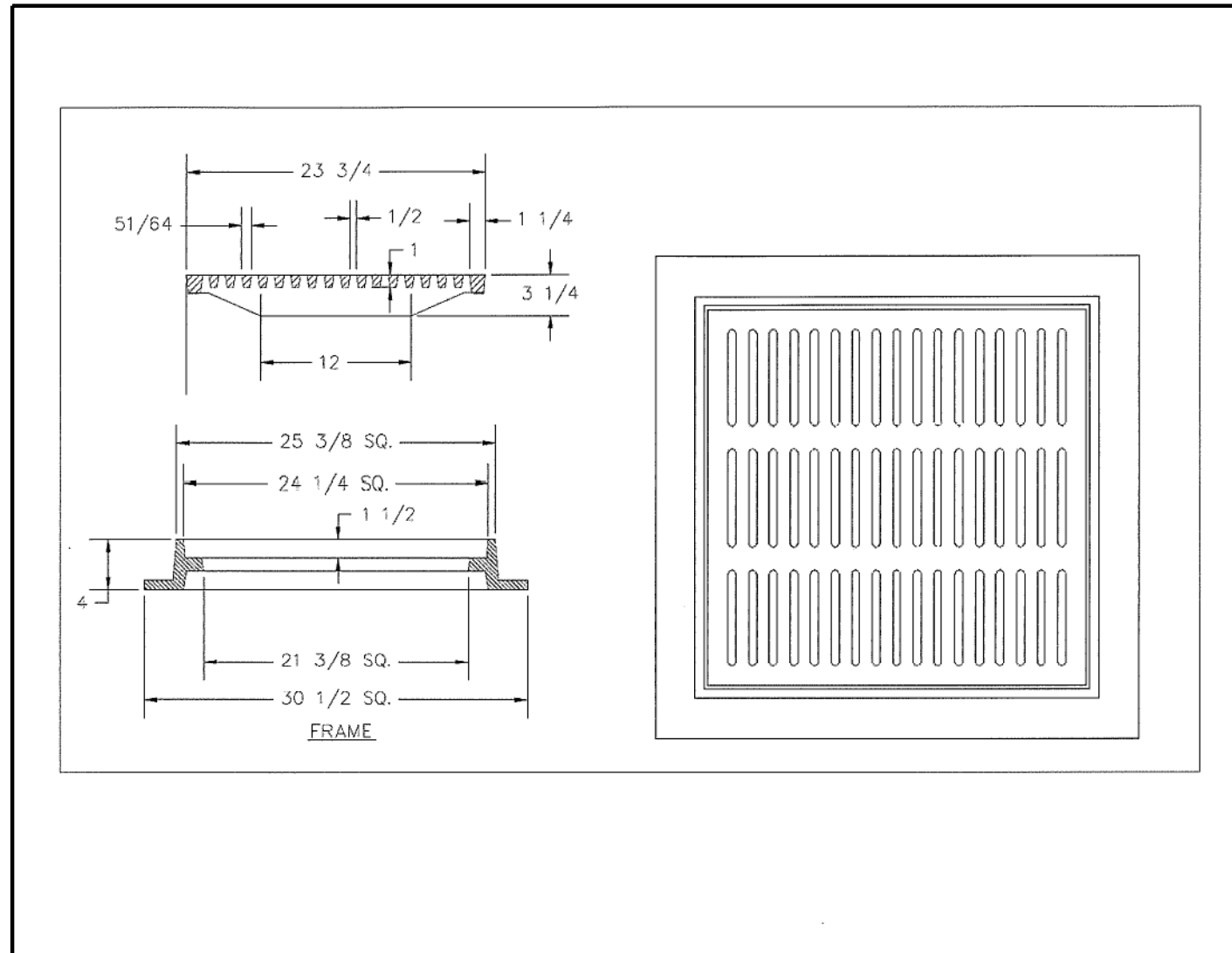


MEDIAN ISLAND CURB RAMPS

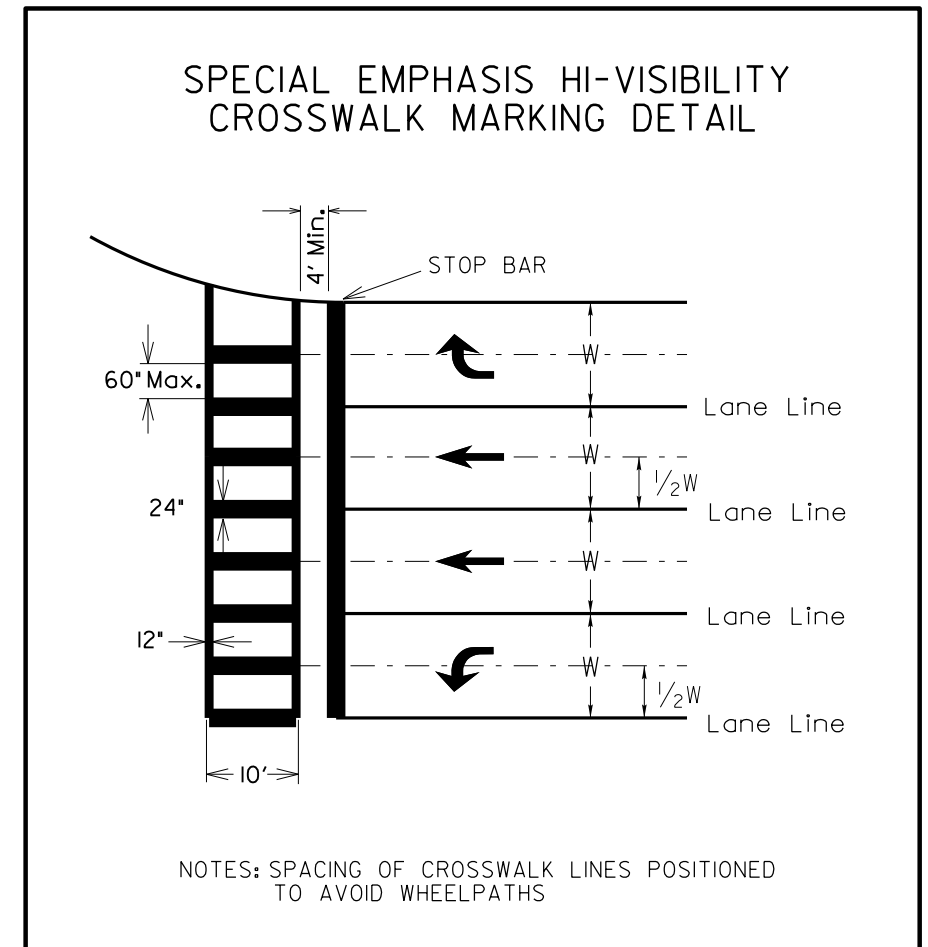
CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
CURB RAMPS	
Median or Turn Lane Islands	
ORIGINAL BY: J.S. HOWERTON	DATE: 7/7/11
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC: sstds/2012CurbRamp/CurbRampDetails.dwg	

5/14/99
C:\P\2012\2012CurbRamp\CurbRampDetails.dwg

BICYCLE SAFE FRAME & GRATE AND PAVEMENT MARKING DETAIL



DROP INLET BICYCLE SAFE CAST IRON FRAME & GRATE
MAP NO. 5 – SR 1209 (W. 9TH ST.)



MAP NO. 2
SR 1100 (CASWELL BEACH RD.)

REVISIONS

8/17/99
 24-JUL-2016 10:51
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STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-12

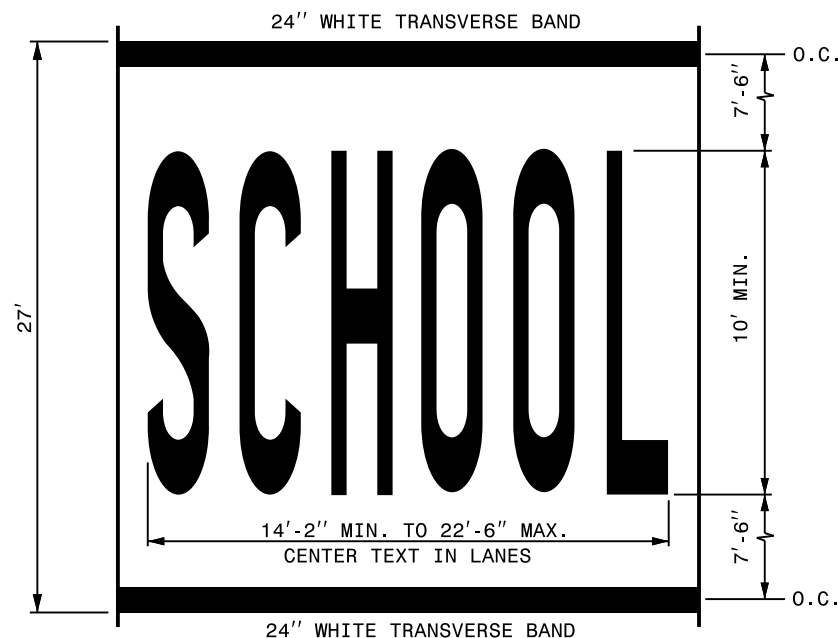
ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
SYMBOLS AND WORD MESSAGES

REVISED
9/14/11

SHEET 3 OF 8

1205D08

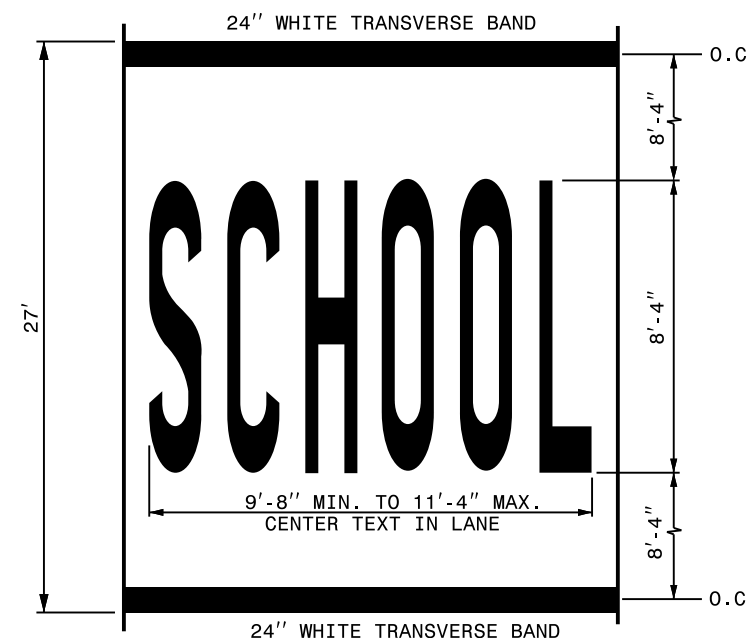
MULTI-LANE WIDTH "SCHOOL"



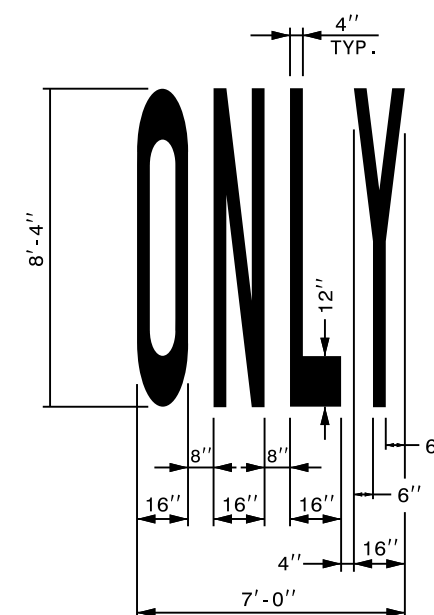
LETTER HEIGHT = 10' MIN.
LETTER WIDTH = 20"
SPACING = 10" MIN./30" MAX. (USE EQUAL SPACING BETWEEN LETTERS)

NOTE: THE TWO-LANE PAVEMENT MARKING DIMENSIONS OF "SCHOOL" SHOWN IN PART 7 OF THE MUTCD MAY ALSO BE USED.

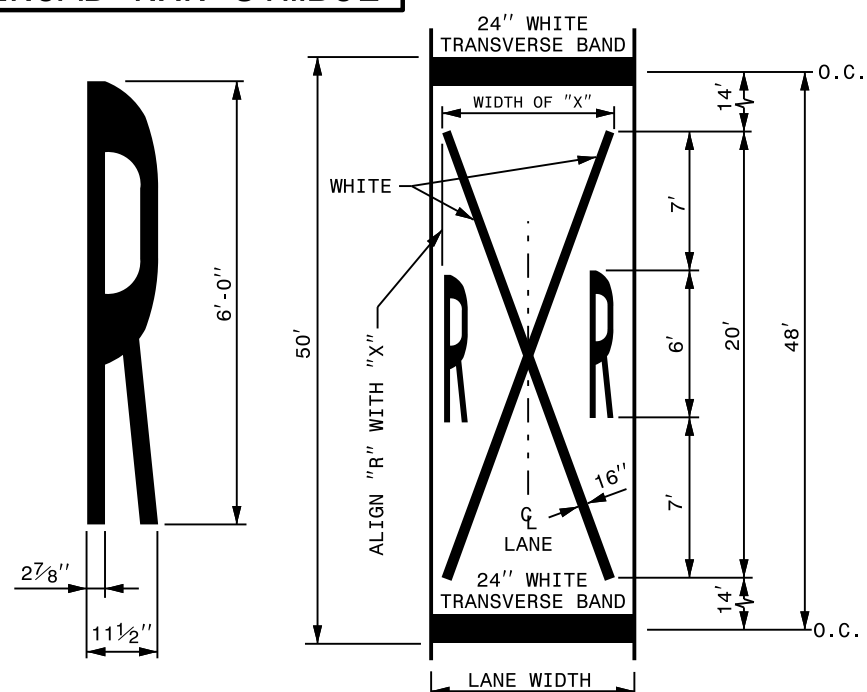
SINGLE LANE WIDTH "SCHOOL"



LETTER HEIGHT = 8'-4"
LETTER WIDTH = 16"
SPACING = 4" MIN./8" MAX. (USE EQUAL SPACING BETWEEN LETTERS)



RAILROAD RXR SYMBOL



LANE WIDTH (FEET)	WIDTH OF "X" (FEET)
8' ≤ W ≤ 9'	7'
9' < W ≤ 12'	8'
W > 12'	10'

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 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.

1-12

ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
SYMBOLS AND WORD MESSAGES

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

REVISED
9/14/11

SHEET 3 OF 8

1205D08

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

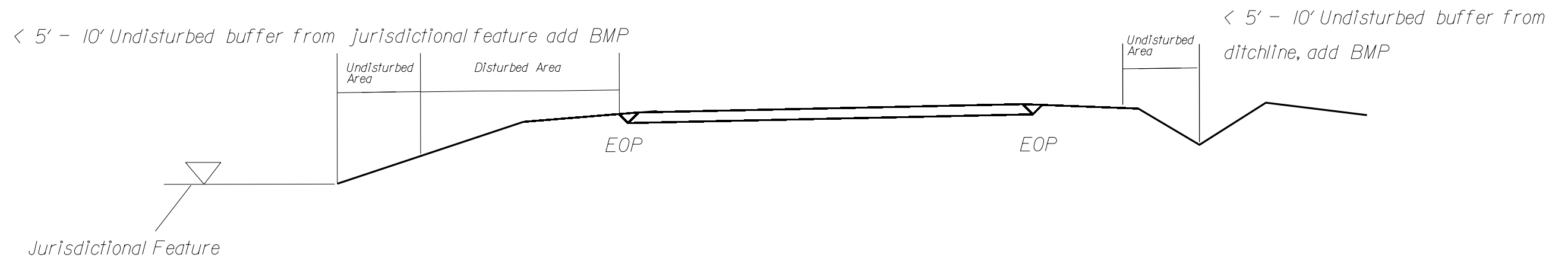
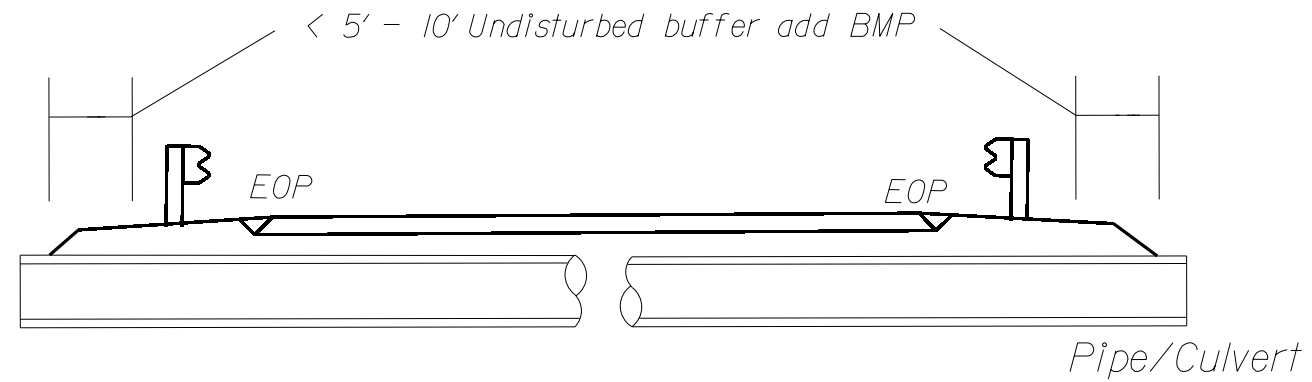
SEE TITLE BLOCK

ORIGINAL BY: J. HOWERTON DATE: 10/5/11
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: s:\oel\12 Stds to Special Details\560d01

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

BMP Options: Wattle or Silt Fence

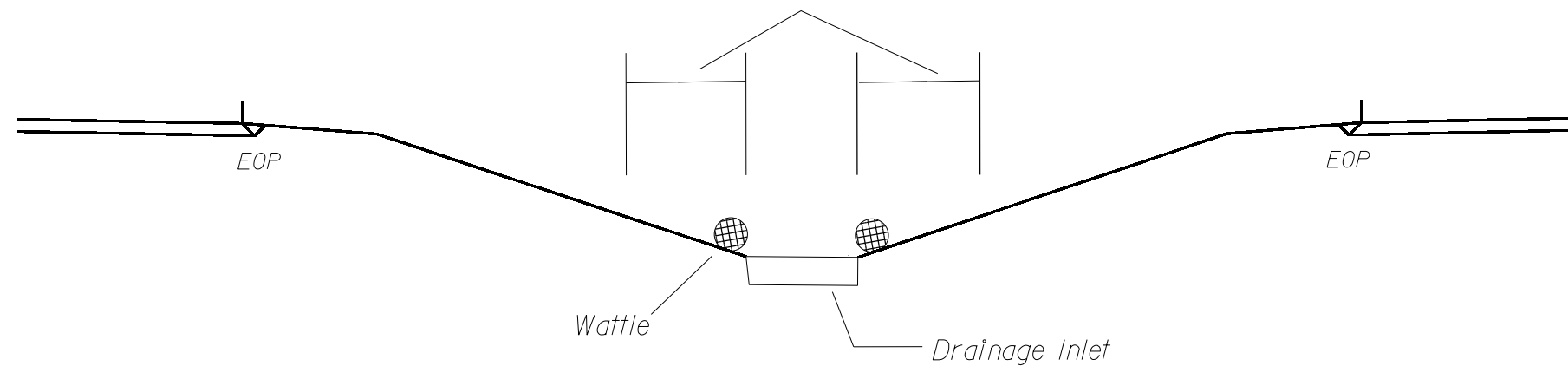
EROSION CONTROL DETAIL



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



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



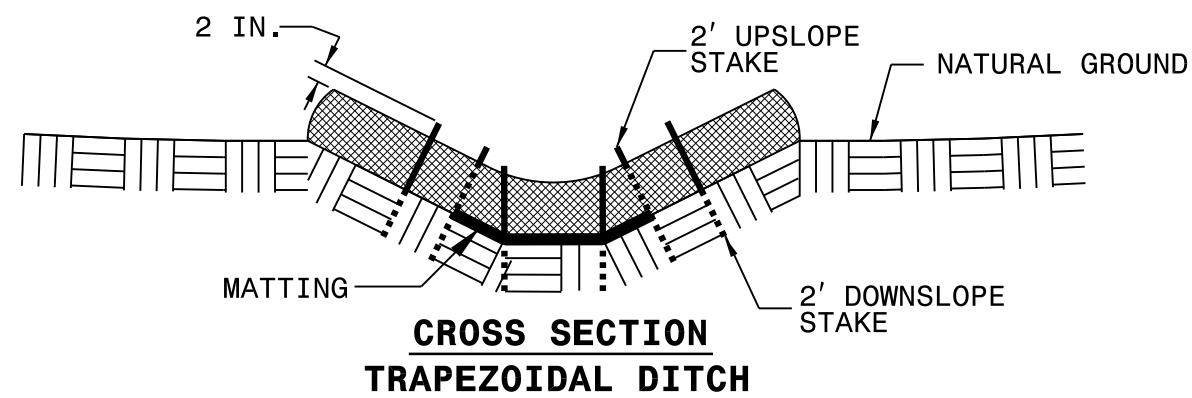
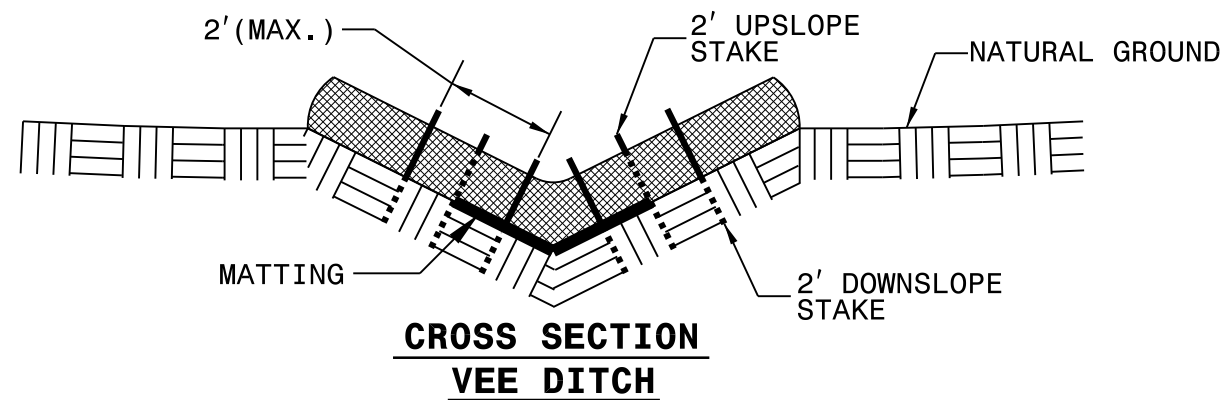
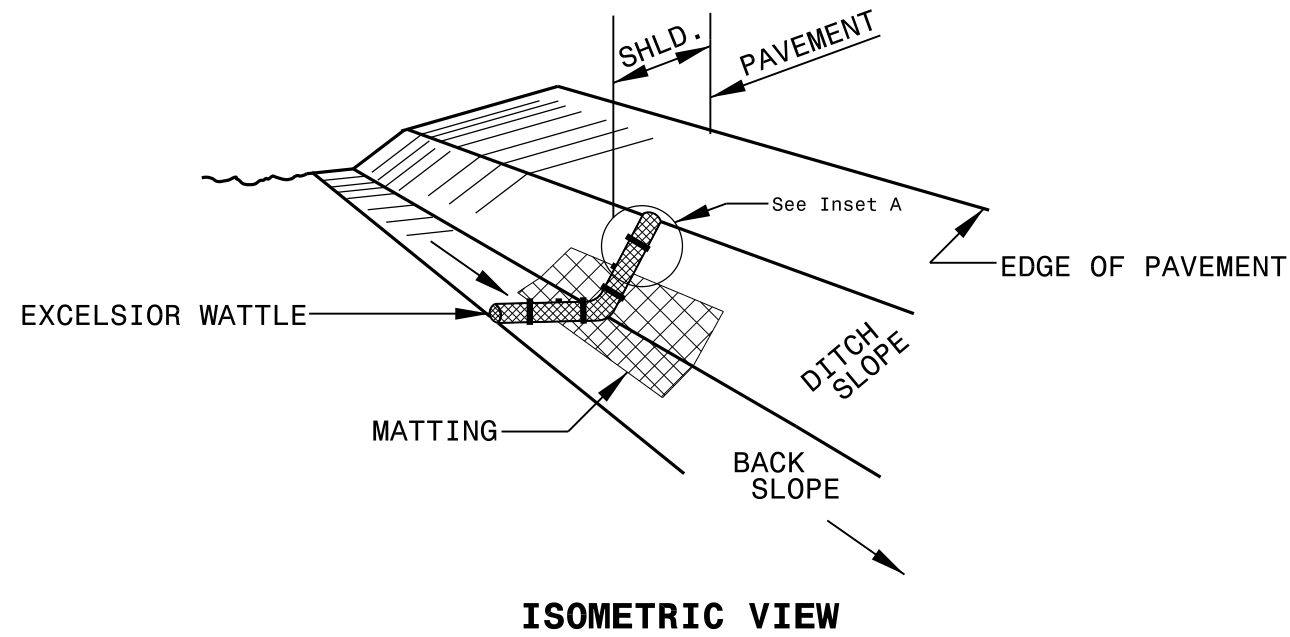
NOT TO SCALE

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.

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.

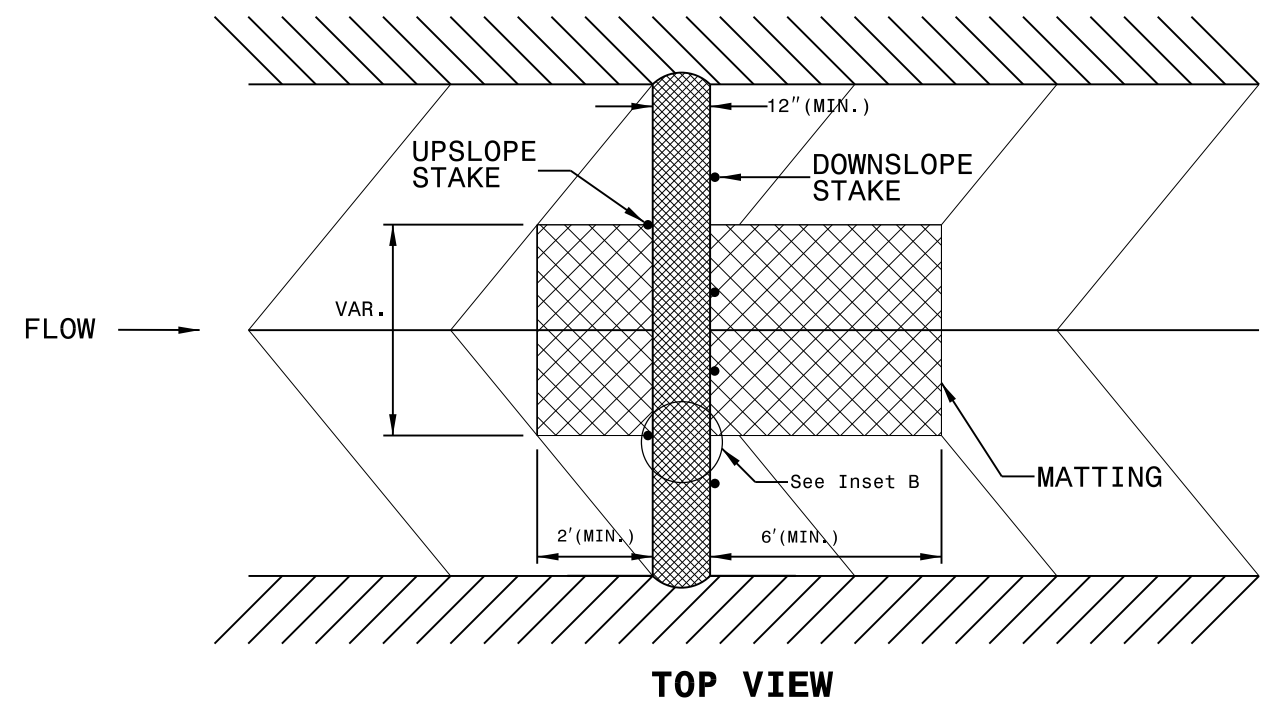
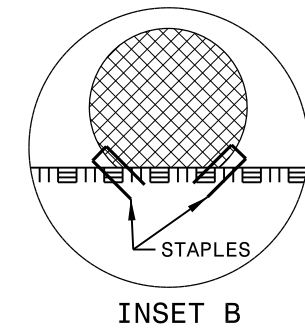
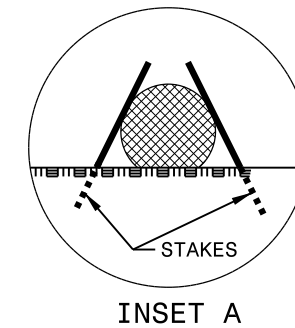
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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

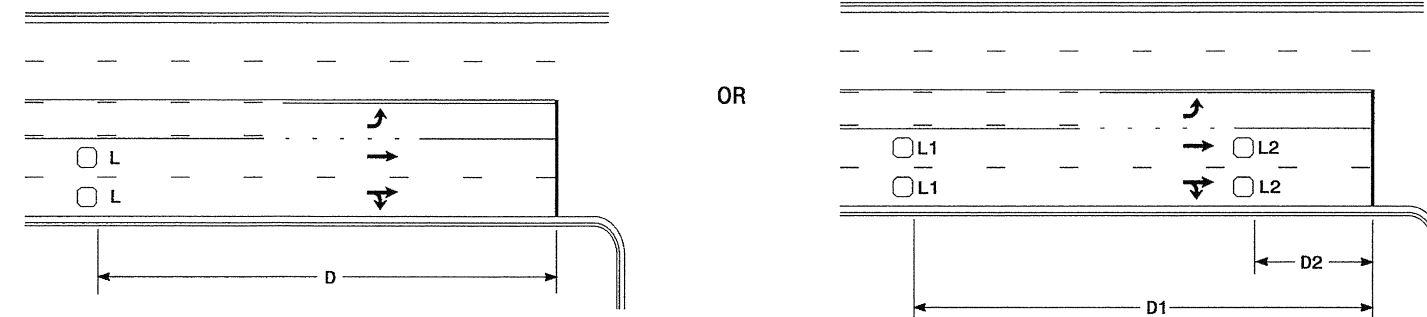
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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.



High Speed Detection [≥40 mph (64 km/hr)]



Speed Limit mph (km/hr)	D ft (m)
40 (64)	250 (75)
45 (72)	300 (90)
50 (80)	355 (110)
55 (88)	420 (130)

L = 6ft X 6ft (1.8m X 1.8m)
Wired in series for TS1
Controllers
Wired separately for TS2,
170, and 2070L Controllers

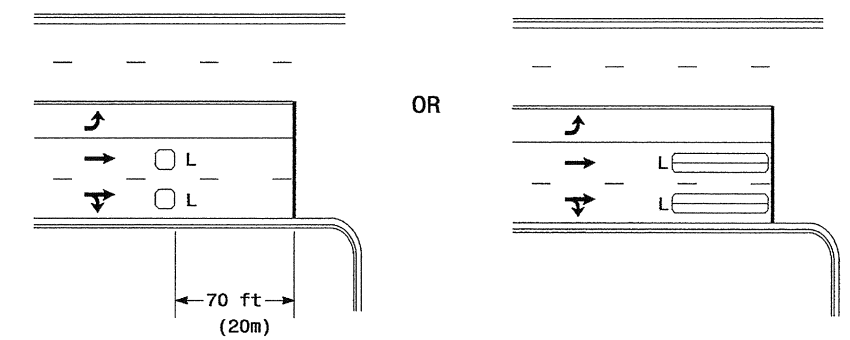
Volume Density Operation

Speed Limit mph (km/hr)	D1 ft (m)	D2 ft (m)
40 (64)	250 (75)	80 (25)
45 (72)	300 (90)	90 (27)
50 (80)	355 (110)	100 (30)
55 (88)	420 (130)	110 (35)

L1 = 6ft X 6ft
(1.8m X 1.8m)
Wired in series
L2 = 6ft X 6ft
(1.8m X 1.8m)
Wired in series

"Stretch" Operation

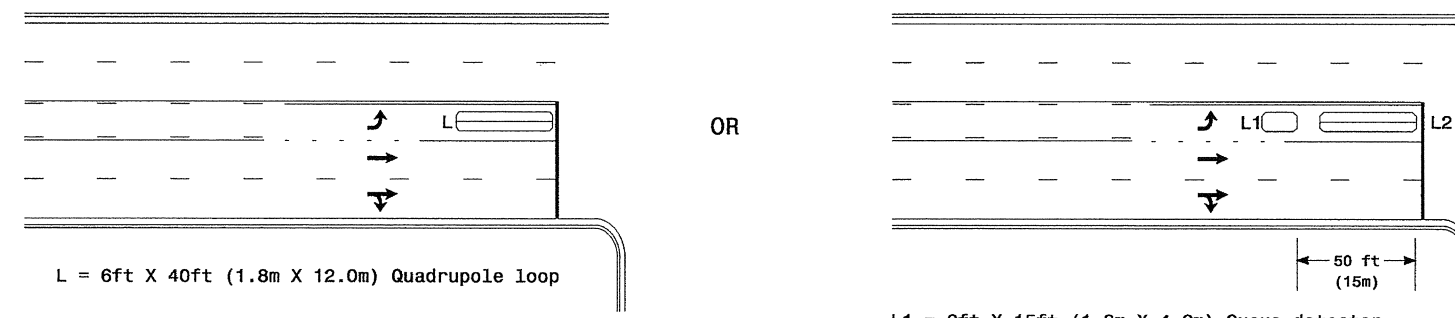
Low Speed Detection [≤35 mph (56 km/hr)]



L = 6ft X 6ft (1.8m X 1.8m)
Wired in series

L = 6ft X 40ft (1.8m X 12.0m)
Quadrupole loop, wired separately

Left Turn Lane Detection



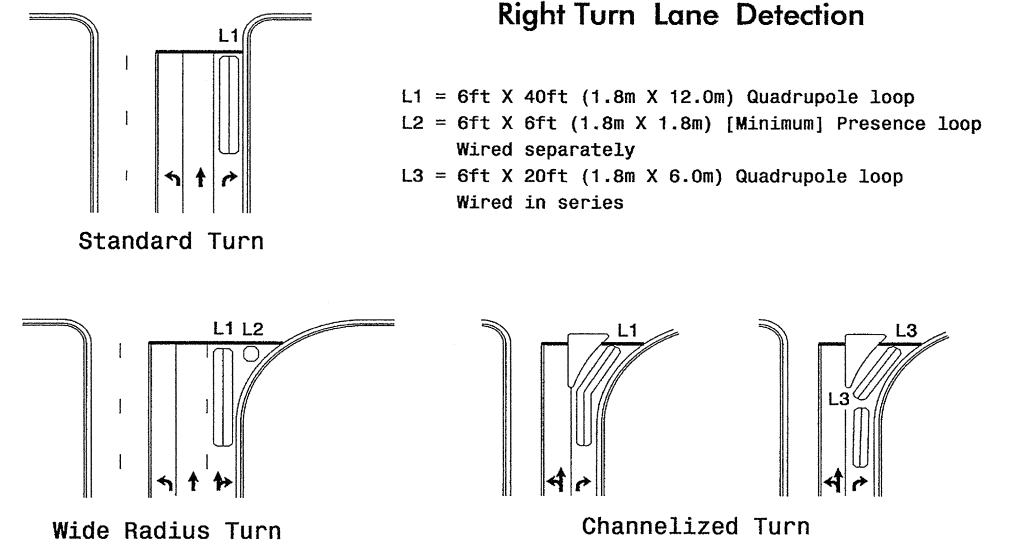
L = 6ft X 40ft (1.8m X 12.0m) Quadrupole loop

Presence Loop Detection

L1 = 6ft X 15ft (1.8m X 4.6m) Queue detector
L2 = 6ft X 40ft (1.8m X 12.0m) Quadrupole loop

Queue Loop Detection

Right Turn Lane Detection



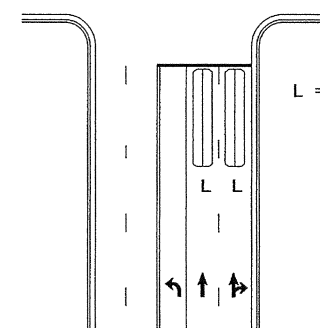
L1 = 6ft X 40ft (1.8m X 12.0m) Quadrupole loop
L2 = 6ft X 6ft (1.8m X 1.8m) [Minimum] Presence loop
Wired separately
L3 = 6ft X 20ft (1.8m X 6.0m) Quadrupole loop
Wired in series

Standard Turn

Wide Radius Turn

Channelized Turn

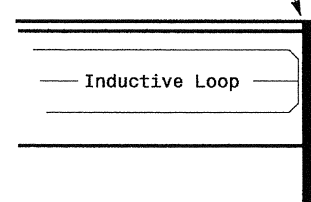
Side Street Detection



L = 6ft X 40ft (1.8m X 12.0m)
Quadrupole loop
Wired to separate
detectors/channels

Presence Loop Placement at Stop Lines

Locate loop slightly
behind leading
edge of stop line



Note:
Loop may be located in advance
of stop line when stop line is
greater than 15' (4.5m) from edge
of intersecting roadway; or, when
loop detects a permissive or
protected/permissive left turn.

Recommended Number of Turns

Single 6' X 6' (1.8m X 1.8m)
loop (wired separately):

Length of Lead-in ft (m)	Number of Turns
< 250 (75)	3
250-375 (75-115)	4
375-525 (115-160)	5
> 525 (160)	6

Quadrupole loops: Use 2-4-2 turns
6' X 15' (1.8m X 4.6m) Loops:
Lead-in < 150' (45 m), use 2 turns
Lead-in > 150' (45 m), use 3 turns

Prepared in the Offices of:

122 N. McDowell St., Raleigh, NC 27603

Typical Loop Locations

PLAN DATE: June 2006	REVIEWED BY:
PREPARED BY: P. L. Alexander	REVIEWED BY:
REVISIONS	INIT. DATE
1. Revise pavement markings	ae 12/1/06

SCALE: N/A

SEAL

SIGNATURE: P. L. Alexander
DATE: 6/6/06
SIG. INVENTORY NO.

PROJECT NO.	SHEET NO.
2016CPT.03.08.10101, Etc.	17

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	INC. STONE BASE TONS	SHOULDER BORROW CY	SHOULDER RECONST. SMI	INC. MILLING SY	SURFACE COURSE, S9.5B TONS	LEVELING COURSE, S9.5B TONS	SURFACE COURSE, SF9.5A TONS	LEVELING COURSE, SF9.5A TONS	ASPHALT BINDER FOR PLANT MIX TON	ASPHALT SURFACE TREATMENT, #78M STONE SY	ASPHALT SURFACE TREATMENT, #67 STONE SY	PATCHING EXISTING PAVEMENT (FULL DEPTH) GENERIC TON	PATCHING EXISTING PAVEMENT (MILL) GENERIC TON	FINE MILLING 1.5" (GENERIC) SY	4" CONCRETE SIDEWALK SY	RETROFIT EXISTING CURB RAMP EA	REMOVE & REPLACE 2'-6" CURB & GUTTER LF	REMOVE & REPLACE CURB RAMP (GENERIC) EA	ADJ. OF DROP INLET EA	
2016CPT.03.08.10101	Brunswick	1	NC 87/ NC 133 (N. HOWE ST.)	FROM NC 211 TO MP 2.27	1	2 - 3	M2	NO	NO	2.27	24 - 36	30	325	4.54	840	6,501					390										
TOTAL FOR MAP NO. 1										2.27		30	325	4.54	840	6,501					390										
TOTAL FOR PROJ NO. 2016CPT.03.08.10101										2.27		30	325	4.54	840	6,501					390										
2016CPT.03.08.20101	Brunswick	2	SR 1100 (CASWELL BEACH RD)	FROM NC 133 TO MP 1.83 (PAVEMENT SEAM)	2	2 - 3	2WU	NO	NO	1.35	27 - 36	18	160	2.70	200	2,052	10			124		22,111	20	158	22,111						
TOTAL FOR MAP NO. 2										1.35		18	160	2.70	200	2,052	10			124		22,111	20	158	22,111						
2016CPT.03.08.20101	Brunswick	3	SR 1101(FISH FACTORY RD)	FROM NC 133 TO END OF MAINT.	3	2	2WU	NO	NO	0.87	18	22	80	1.73	75	855	26			53	9,156		20	200							
TOTAL FOR MAP NO. 3										0.87		22	80	1.73	75	855	26			53	9,156		20	200							
2016CPT.03.08.20101	Brunswick	4	SR 1194 (W. WEST STREET)	FROM NC 211 TO END OF MAINT.	4	2	2WU	NO	NO	0.65	18	8	59	1.29	50			522	20	36				219							
TOTAL FOR MAP NO. 4										0.65		8	59	1.29	50			522	20	36				219							
2016CPT.03.08.20101	Brunswick	5	SR 1209 (W. 9TH STREET)	FROM NC 211 TO END OF MAINT.	3	2 - 3	2WU	NO	NO	0.78	24 - 46	18	72	1.57	350	1,383	100			89	16,112			400							
TOTAL FOR MAP NO. 5										0.78		18	72	1.57	350	1,383	100			89	16,112			400							
2016CPT.03.08.20101	Brunswick	6	SR 1210 (OLD BRIDGE RD)	FROM NC 133 TO END OF MAINT.	5	2	2WU	NO	NO	0.44	20	17	40	0.88	50			493	25	35		5,163	20	163							
TOTAL FOR MAP NO. 6										0.44		17	40	0.88	50			493	25	35		5,163	20	163							
2016CPT.03.08.20101	Brunswick	7	SR 1526 (JABBERTOWN RD)	FROM NC 87 TO SR 1527 (LEONARD STREET)	5	2	2WU	NO	NO	0.79	20	47	75	1.57	50			846	20	58		9,222	204	168							
TOTAL FOR MAP NO. 7										0.79		47	75	1.57	50			846	20	58		9,222	204	168							
2016CPT.03.08.20101	Brunswick	8	SR 1528 (E. MOORE STREET S.E.)	FROM NC 211 TO SR 1534 (SHEPARD RD S.E.)	6	2	2WU	NO	NO	1.24	21	7	114	2.49	100	1,365	175			93		15,314	26	194							
TOTAL FOR MAP NO. 8										1.24		7	114	2.49	100	1,365	175			93		15,314	26	194							
2016CPT.03.08.20101	Brunswick	9	SR 1542 (E. 13TH STREET)	FROM NC 211 TO NORTHERN CITY LIMITS OF SOUTHPORT	7	2	2WU	NO	NO	0.19	20	10	17	0.38	50			169	20	13	2,439			60							
TOTAL FOR MAP NO. 9										0.19		10	17	0.38	50			169	20	13	2,439			60							
TOTAL FOR PROJ NO. 2016CPT.03.08.20101										6.31		147	617	12.61	925	5,655	311	2,030	85	501	27,707	51,810	290	1,562	22,111	6	2	30	5	6	
GRAND TOTAL										8.58		177	942	17.15	1,765	12,156	311	2,030	85	891	27,707	51,810	290	1,562	22,111	6	2	30	5	6	

PROJECT NO.	SHEET NO.
2016CPT.03.08.10101, Etc.	18

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	ADJ. OF MANHOLES	ADJ. OF METER OR VALVE BOX	DROP INLET BICYCLE SAFE CAST IRON FRAME & GRATE	GR ANCHOR UNITS, TYPE III	GR ANCHOR UNITS, TYPE 350	REMOVE & REPLACE EXISTING GR	PORTABLE LIGHTING	TEMP. SILT FENCE	STONE FOR EC CLASS B	SEDIMENT CONTROL STONE	TEMP. MULCHING	MATTING FOR EROSION CONTROL	1/4" HARDWARE CLOTH	WATTLE	SEED & MULCHING	SEED FOR REPAIR SEEDING	FERTILIZER FOR REPAIR SEEDING	INDUCTIVE LOOP SAWCUT	LEAD-IN CABLE (14-2)		
EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	
TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	
ACR	ACR	ACR	ACR	ACR	ACR	ACR	ACR	ACR	ACR	ACR	ACR	ACR	ACR	ACR	ACR	ACR	ACR	ACR	ACR	ACR	ACR	ACR	ACR	ACR	ACR	ACR	ACR	ACR	
SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	
LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	
AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	
LB	LB	LB	LB	LB	LB	LB	LB	LB	LB	LB	LB	LB	LB	LB	LB	LB	LB	LB	LB	LB	LB	LB	LB	LB	LB	LB	LB	LB	
TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	
LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	
LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF
2016CPT.03.08.10101	Brunswick	1	NC 87/ NC 133 (N. HOWE ST.)	FROM NC 211 TO MP 2.27	1	2-3	M2	NO	1	2		4	4	550.00	1.00	227	57	57	2.27	20	114	40	5.00	114	0.57				
TOTAL FOR MAP NO. 1									1	2		4	4	550.00	1.00	227	57	57	2.27	20	114	40	5.00	114	0.57				
TOTAL FOR PROJ NO. 2016CPT.03.08.10101									1	2		4	4	550.00	1.00	227	57	57	2.27	20	114	40	5.00	114	0.57				
2016CPT.03.08.20101	Brunswick	2	SR 1100 (CASWELL BEACH RD)	FROM NC 133 TO MP 1.83 (PAVEMENT SEAM)	2	2-3	2WU	NO	1	1						135	34	34	1.35	20	92	30	0.98	68	0.34	350	50		
TOTAL FOR MAP NO. 2									1	1						135	34	34	1.35	20	92	30	0.98	68	0.34	350	50		
2016CPT.03.08.20101	Brunswick	3	SR 1101(FISH FACTORY RD)	FROM NC 133 TO END OF MAINT.	3	2	2WU	NO								87	22	22	0.87	10	43	20	0.63	43	0.22				
TOTAL FOR MAP NO. 3																87	22	22	0.87	10	43	20	0.63	43	0.22				
2016CPT.03.08.20101	Brunswick	4	SR 1194 (W. WEST STREET)	FROM NC 211 TO END OF MAINT.	4	2	2WU	NO	6	2						65	16	16	0.65	10	32	10	0.47	32	0.16				
TOTAL FOR MAP NO. 4									6	2						65	16	16	0.65	10	32	10	0.47	32	0.16				
2016CPT.03.08.20101	Brunswick	5	SR 1209 (W. 9TH STREET)	FROM NC 211 TO END OF MAINT.	3	2-3	2WU	NO	3	9	4					78	20	20	0.78	10	39	20	0.57	39	0.20				
TOTAL FOR MAP NO. 5									3	9	4					78	20	20	0.78	10	39	20	0.57	39	0.20				
2016CPT.03.08.20101	Brunswick	6	SR 1210 (OLD BRIDGE RD)	FROM NC 133 TO END OF MAINT.	5	2	2WU	NO								44	11	11	0.44	10	22	10	0.32	22	0.11				
TOTAL FOR MAP NO. 6																44	11	11	0.44	10	22	10	0.32	22	0.11				
2016CPT.03.08.20101	Brunswick	7	SR 1526 (JABBERTOWN RD)	FROM NC 87 TO SR 1527 (LEONARD STREET)	5	2	2WU	NO								79	20	20	0.79	10	39	20	0.57	39	0.20				
TOTAL FOR MAP NO. 7																79	20	20	0.79	10	39	20	0.57	39	0.20				
2016CPT.03.08.20101	Brunswick	8	SR 1528 (E. MOORE STREET S.E.)	FROM NC 211 TO SR 1534 (SHEPARD RD S.E.)	6	2	2WU	NO								124	31	31	1.24	10	62	20	0.90	62	0.31				
TOTAL FOR MAP NO. 8																124	31	31	1.24	10	62	20	0.90	62	0.31				
2016CPT.03.08.20101	Brunswick	9	SR 1542 (E. 13TH STREET)	FROM NC 211 TO NORTHERN CITY LIMITS OF SOUTHPORT	7	2	2WU	NO	2							19	5	5	0.19	10	9	10	0.14	9	0.05				
TOTAL FOR MAP NO. 9									2							19	5	5	0.19	10	9	10	0.14	9	0.05				
TOTAL FOR PROJ NO. 2016CPT.03.08.20101									12	12	4					631	159	159	6.31	90	338	140	4.58	314	1.58	350	50		
GRAND TOTAL									13	14	4	4	4	550.00	1.00	858	216	216	8.58	110	452	180	9.58	428	2.15	350	50		

PROJECT NO.	SHEET NO.
2016CPT.03.08.10101	19
Etc.	

THERMOPLASTIC AND PAINT QUANTITIES

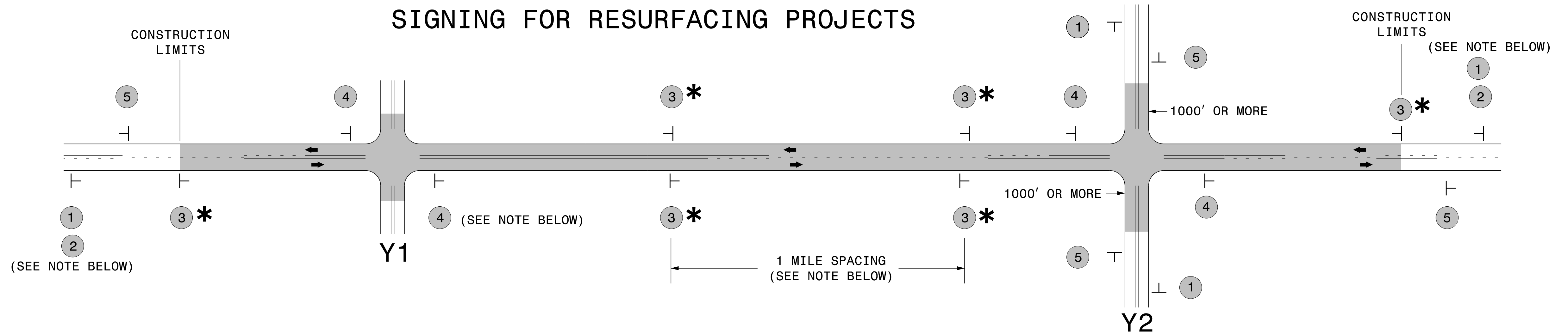
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4510000000-N	4685000000-E	4686000000-E			4695000000-E	4700000000-E	4702000000-E	4705000000-E	4710000000-E	4721000000-E		4725000000-E							
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	LAW ENFORCEMENT	4" X 90 M WHITE THERMO	4" X 120 M WHITE THERMO	4" X 120 M YELLOW THERMO	8" X 90 M YELLOW THERMO	12" X 90 M YELLOW THERMO	12" X 120 M WHITE THERMO	16" X 120 M WHITE THERMO	24" X 120 M WHITE THERMO	THERMO MSG SCHOOL 120 M	THERMO RXR 120 M	THERMO LT ARROW 90 M	THERMO RT ARROW 90 M	THERMO STR ARROW 90 M	THERMO STR & RT ARROW 90 M	THERMO STR & LT ARROW 90 M				
NO		NO			NO					SF	LS	HR	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA					
2016CPT.03.08.10101	Brunswick	1	NC 87/ NC 133 (N. HOWE ST.)	FROM NC 211 TO MP 2.27	1	2 - 3	M2	2.27	24 - 36	270	0.27	80.00	27,000	550	30,000		420				110			38	6	6	2	2			
TOTAL FOR MAP NO. 1										270	0.27	80.00	27,000	550	30,000		420				110			38	6	6	2	2			
TOTAL FOR PROJ NO. 2016CPT.03.08.10101										270	0.27	80.00	27,000	550	30,000		420				110			38	6	6	2	2			
										30,550															54						
2016CPT.03.08.20101	Brunswick	2	SR 1100 (CASWELL BEACH RD)	FROM NC 133 TO MP 1.83 (PAVEMENT SEAM)	2	2 - 3	2WU	1.35	27 - 36	160	0.16	8.00	14,526	340	8,910	100			96		104			1	1	2					
TOTAL FOR MAP NO. 2										160	0.16	8	14,526	340	8,910	100			96		104			1	1	2					
2016CPT.03.08.20101	Brunswick	3	SR 1101(FISH FACTORY RD)	FROM NC 133 TO END OF MAINT.	3	2	2WU	0.87	18	112	0.10		9,329		5,722						12										
TOTAL FOR MAP NO. 3										112	0.10		9,329		5,722					12											
2016CPT.03.08.20101	Brunswick	4	SR 1194 (W. WEST STREET)	FROM NC 211 TO END OF MAINT.	4	2	2WU	0.65	18	80	0.08		6,940		4,257											1					
TOTAL FOR MAP NO. 4										80	0.08		6,940		4,257										1						
2016CPT.03.08.20101	Brunswick	5	SR 1209 (W. 9TH STREET)	FROM NC 211 TO END OF MAINT.	3	2 - 3	2WU	0.78	24 - 46	96	0.09		8,436		5,174	100					115	12		7			1				
TOTAL FOR MAP NO. 5										96	0.09		8,436		5,174	100				115	12		7			1					
2016CPT.03.08.20101	Brunswick	6	SR 1210 (OLD BRIDGE RD)	FROM NC 133 TO END OF MAINT.	5	2	2WU	0.44	20	64	0.05																				
TOTAL FOR MAP NO. 6										64	0.05																				
2016CPT.03.08.20101	Brunswick	7	SR 1526 (JABBERTOWN RD)	FROM NC 87 TO SR 1527 (LEONARD STREET)	5	2	2WU	0.79	20	96	0.09		8,457		5,188																
TOTAL FOR MAP NO. 7										96	0.09		8,457		5,188																
2016CPT.03.08.20101	Brunswick	8	SR 1528 (E. MOORE STREET S.E.)	FROM NC 211 TO SR 1534 (SHEPARD RD S.E.)	6	2	2WU	1.24	21	144	0.14		13,375		8,204				100		74		4								
TOTAL FOR MAP NO. 8										144	0.14		13,375		8,204			100		74		4									
2016CPT.03.08.20101	Brunswick	9	SR 1542 (E. 13TH STREET)	FROM NC 211 TO NORTHERN CITY LIMITS OF SOUTHPORT	7	2	2WU	0.19	20	64	0.02																				
TOTAL FOR MAP NO. 9										64	0																				
TOTAL FOR PROJ NO. 2016CPT.03.08.20101										816	1	8	61,063	340	37,455	200		96	100	305	12	4	8	1	3	1					
										37,795															44						
GRAND TOTAL										8.58		88	88,063	890	67,455	200		420	96	100	415	12	4	46	7	9	3	2			
										68,345															98						

PROJECT NO.	SHEET NO.
2016CPT.03.08.10101, Etc.	20

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	4725000000-E			4810000000-E	4847000000-E		4850000000-E	4900000000-N		4905000000-N			
							THERMO LT STR RT ARROW 90 M	THERMO STR BIKE ARROW (90 MILS)	THERMO BIKE SYMBOL (90 MILS)	4" YELLOW PAINT	4" WHITE POLYUREA (HIGHLY REFLECTIVE ELEMENTS)	4" YELLOW POLYUREA (HIGHLY REFLECTIVE ELEMENTS)	REMOVAL OF PAVEMENT MARKING LINES (4")	YELLOW & YELLOW MARKERS	CRYSTAL & RED MARKERS	SNOW PLOWABLE MARKERS (Y/Y)	SNOW PLOWABLE MARKERS (C/R)		
							EA	EA	EA	LF	LF	LF	EA	EA	EA	EA			
2016CPT.03.08.10101	Brunswick	1	NC 87/ NC 133 (N. HOWE ST.)	FROM NC 211 TO MP 2.27	1	2 - 3					680	680	1,360	5		270	55		
TOTAL FOR MAP NO. 1											680	680	1,360	5		270	55		
TOTAL FOR PROJ NO. 2016CPT.03.08.10101											680	680	1,360	5		270	55		
											1,360			5		325			
2016CPT.03.08.20101	Brunswick	2	SR 1100 (CASWELL BEACH RD)	FROM NC 133 TO MP 1.83 (PAVEMENT SEAM)	2	2 - 3				8,910				193	10				
TOTAL FOR MAP NO. 2										8,910				193	10				
2016CPT.03.08.20101	Brunswick	3	SR 1101(FISH FACTORY RD)	FROM NC 133 TO END OF MAINT.	3	2	1							124					
TOTAL FOR MAP NO. 3														124					
2016CPT.03.08.20101	Brunswick	4	SR 1194 (W. WEST STREET)	FROM NC 211 TO END OF MAINT.	4	2								87					
TOTAL FOR MAP NO. 4														87					
2016CPT.03.08.20101	Brunswick	5	SR 1209 (W. 9TH STREET)	FROM NC 211 TO END OF MAINT.	3	2 - 3		15	15					112					
TOTAL FOR MAP NO. 5									15	15				112					
2016CPT.03.08.20101	Brunswick	6	SR 1210 (OLD BRIDGE RD)	FROM NC 133 TO END OF MAINT.	5	2													
TOTAL FOR MAP NO. 6																			
2016CPT.03.08.20101	Brunswick	7	SR 1526 (JABBERTOWN RD)	FROM NC 87 TO SR 1527 (LEONARD STREET)	5	2								113					
TOTAL FOR MAP NO. 7														113					
2016CPT.03.08.20101	Brunswick	8	SR 1528 (E. MOORE STREET S.E.)	FROM NC 211 TO SR 1534 (SHEPARD RD S.E.)	6	2								177					
TOTAL FOR MAP NO. 8														177					
2016CPT.03.08.20101	Brunswick	9	SR 1542 (E. 13TH STREET)	FROM NC 211 TO NORTHERN CITY LIMITS OF SOUTHPORT	7	2													
TOTAL FOR MAP NO. 9																			
TOTAL FOR PROJ NO. 2016CPT.03.08.20101									1	15	15	8,910			806	10			
														816					
GRAND TOTAL									1	15	15	8,910	680	680	1,360	811	10	270	55
												1,360			821		325		

SIGNING FOR RESURFACING PROJECTS



LEGEND	
┆	STATIONARY SIGN
←	DIRECTION OF TRAFFIC FLOW

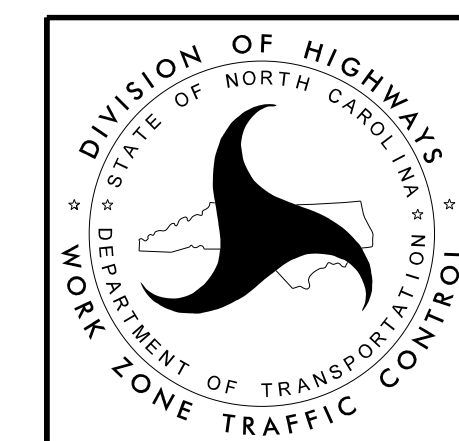
MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	MAINLINE (-L-) SIGNING		-Y- LINE SIGNING	
	1 2		<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)</p>	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> LESS THAN 1000' OF RESURFACING ALONG -Y- LINE SUBDIVISION ROADS DEAD END ROADS
	3 *		<p>PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.</p>	<p>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>
	4		<p>THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.</p>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>PLACED 500' IN ADVANCE OF FLAGGER.</p> </div> <div style="text-align: center;"> <p>PLACED 250' IN ADVANCE OF FLAGGER.</p> </div> </div>
	5		<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</p>	

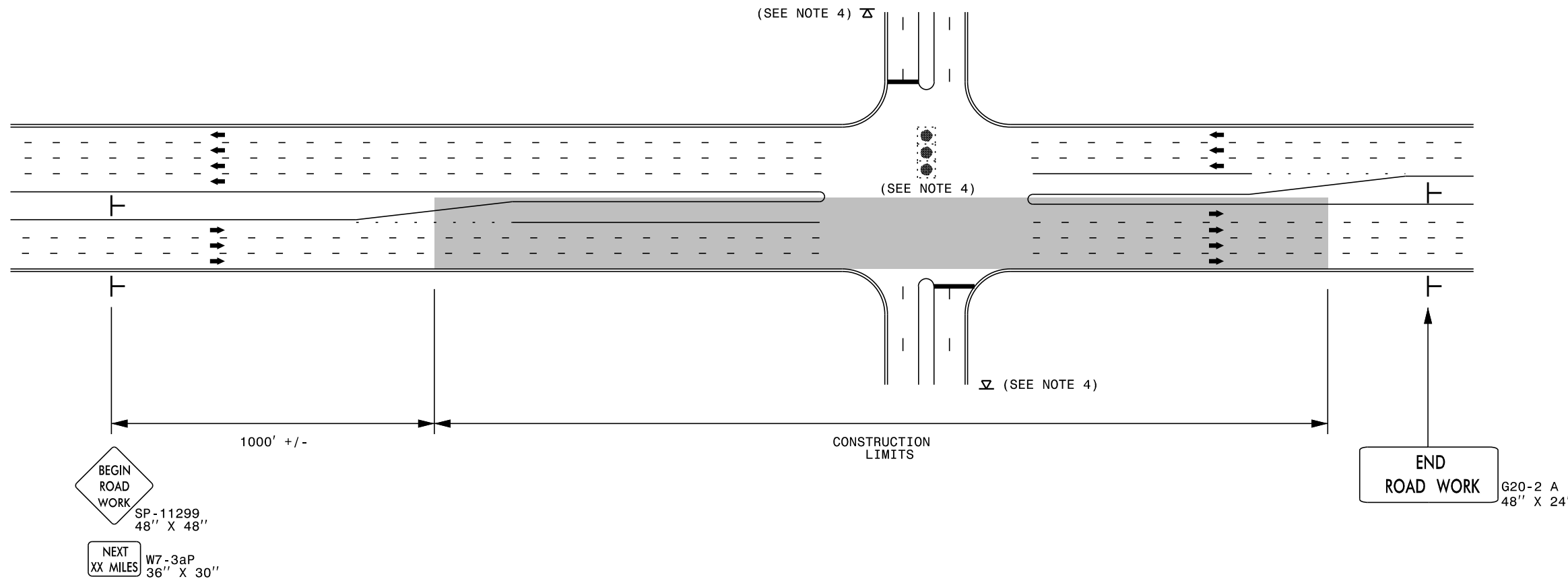
* SIGNING FOR ASPHALT SURFACE TREATMENTS (ONLY)

SUBSTITUTE LOW/SOFT SHOULDER SIGNS BY ALTERNATING THE FOLLOWING TWO SIGNS: STARTING WITH "UNMARKED PAVEMENT AHEAD" (SP 06026) FOLLOWED BY "LOOSE GRAVEL" (W8-7).



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**