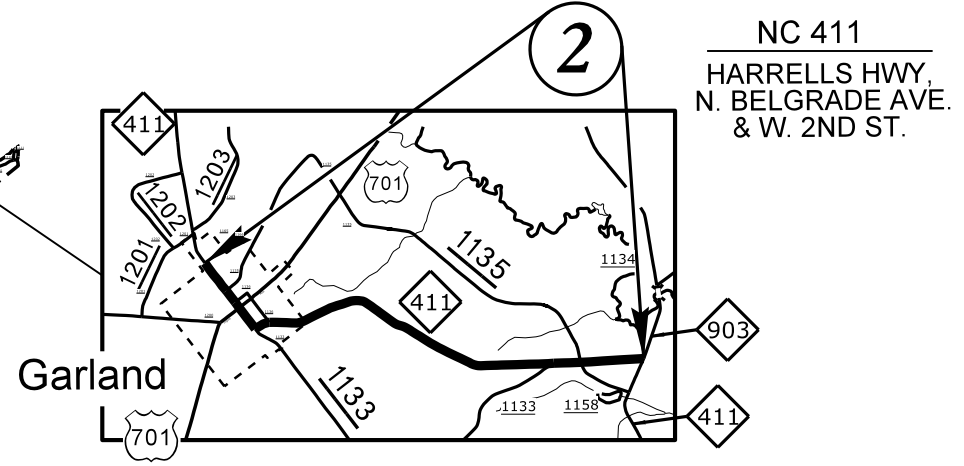
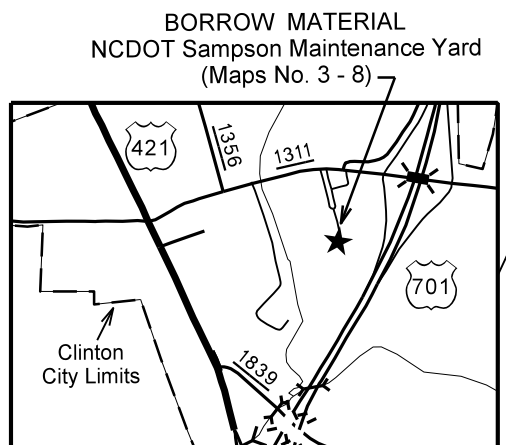
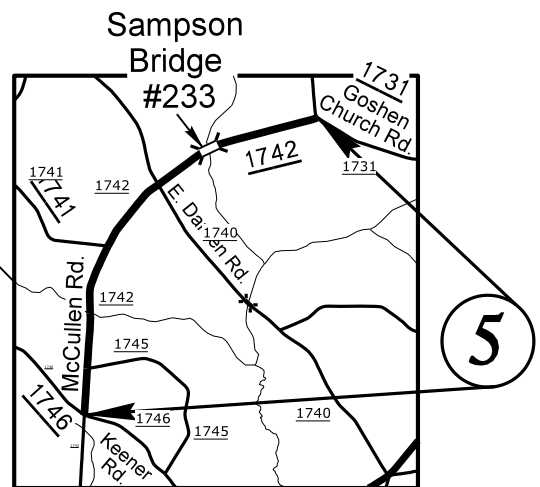
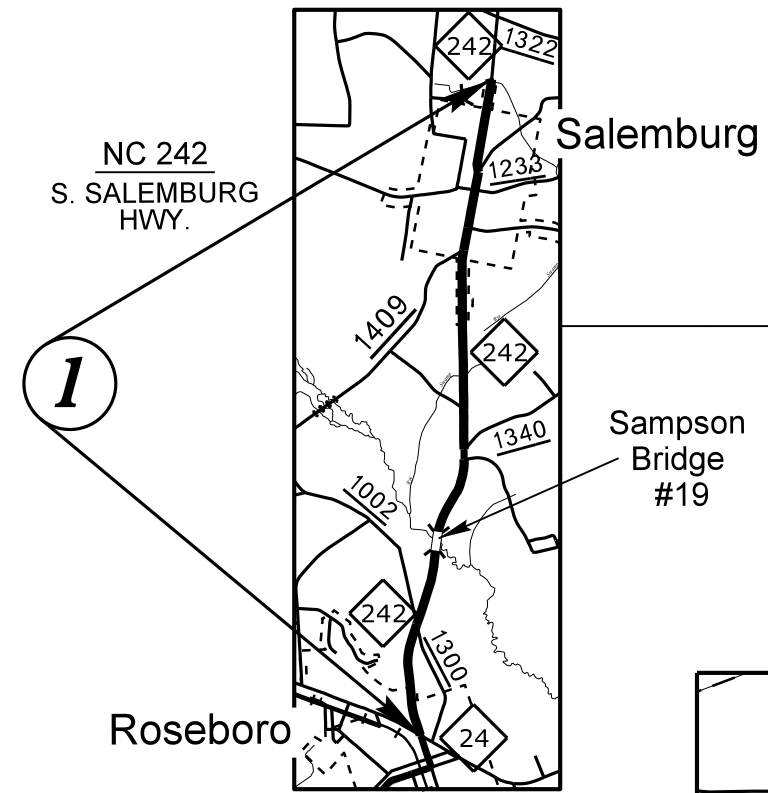
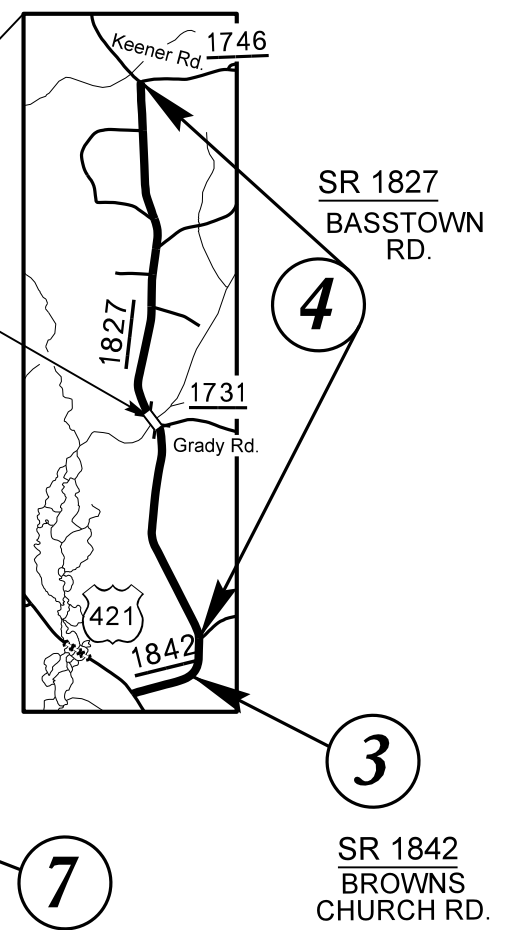
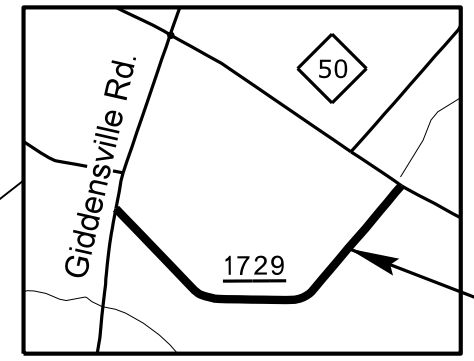
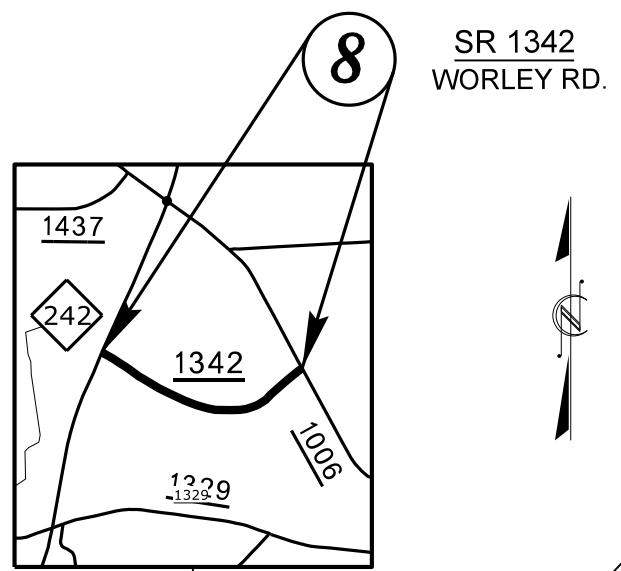
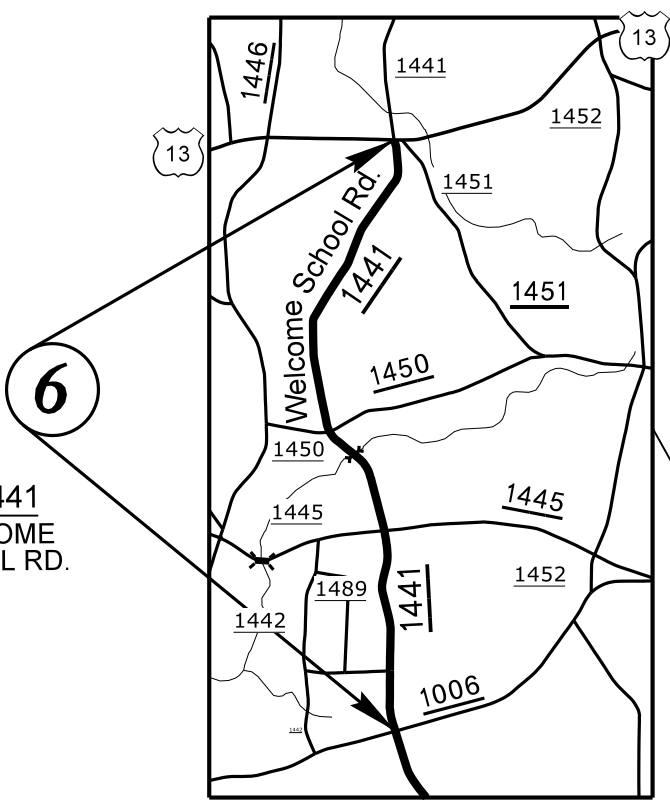
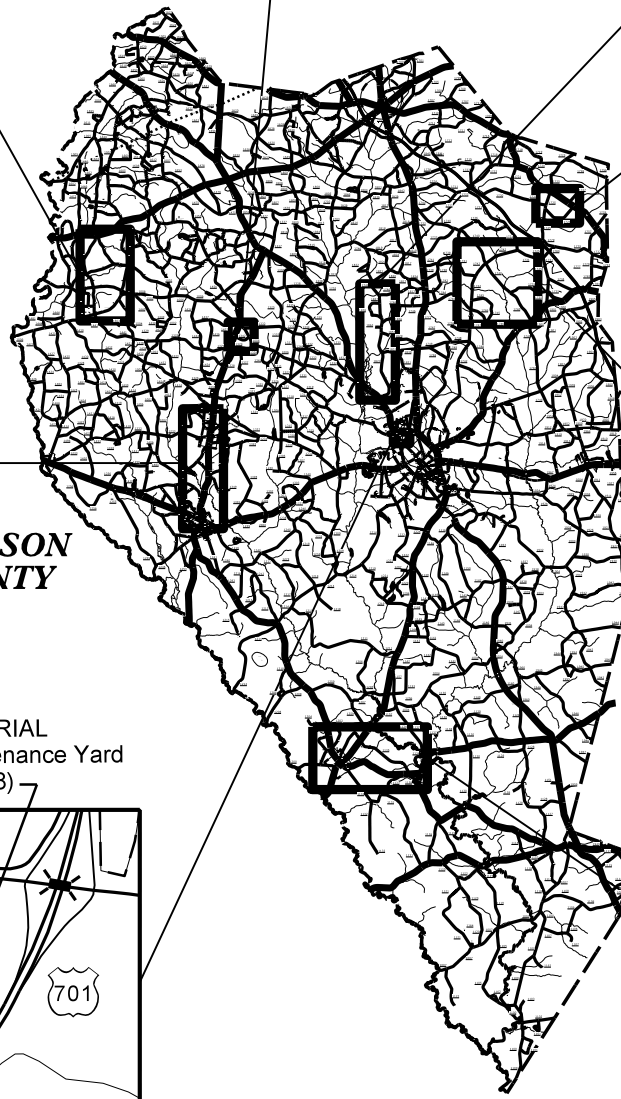


# SAMPSON COUNTY

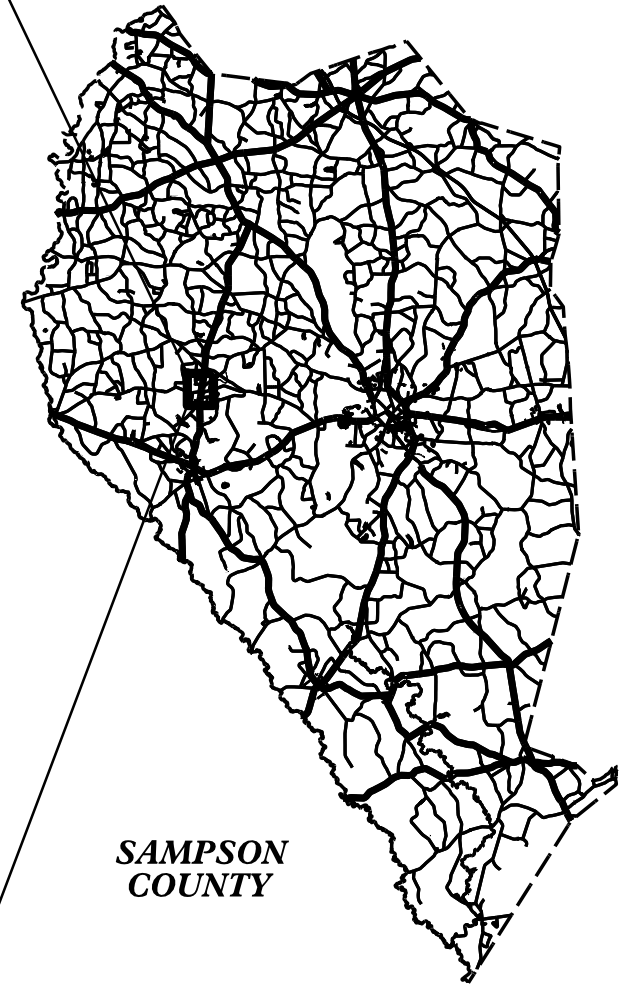
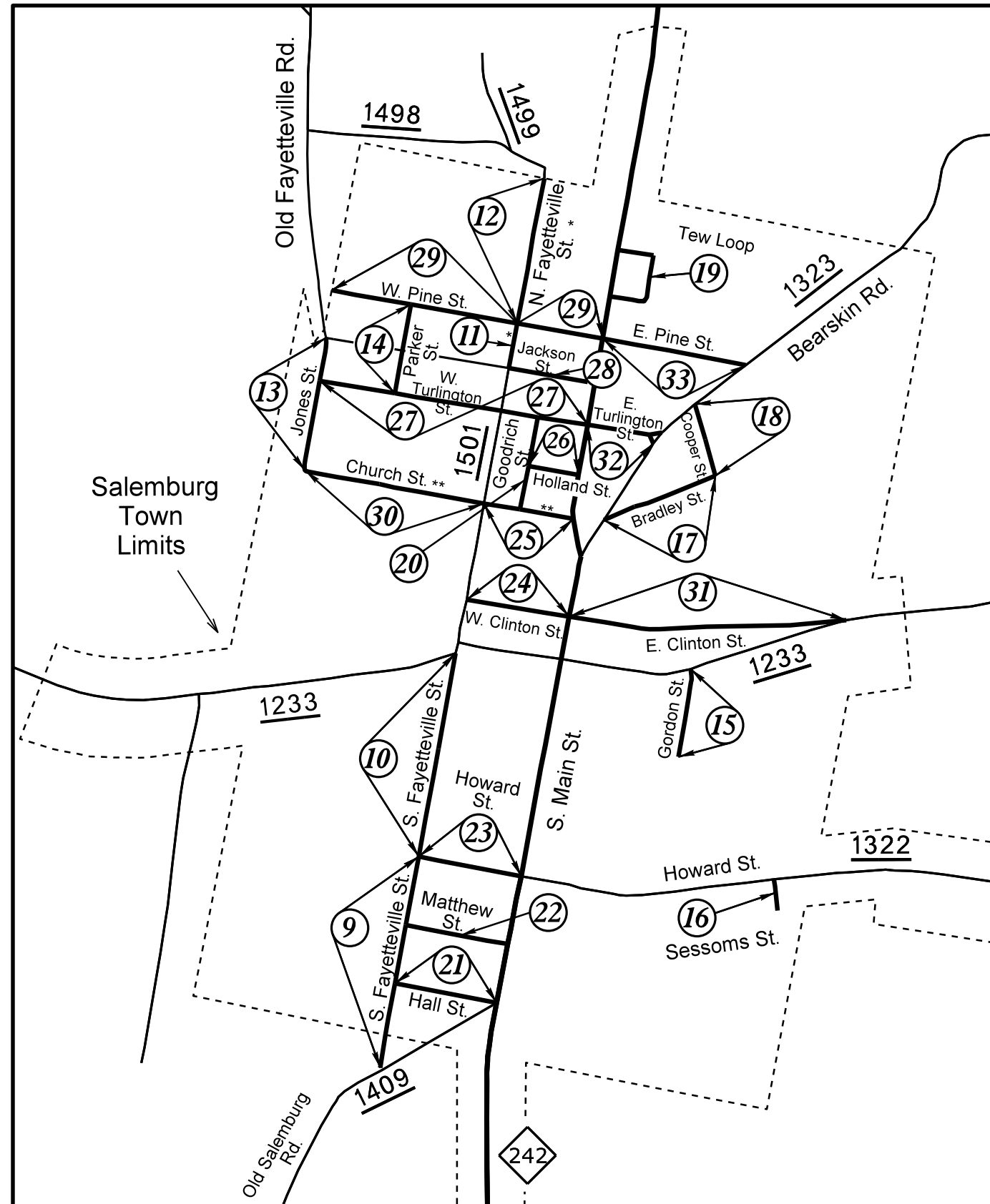


MAPS N.T.S.

REVISIONS  
 8/17/99  
 I:\JUL-2016 1427  
 S:\Division Resurfacing\Resurfacing Data\2017  
 Resurfacing\Sampson Co\2017CPT.03.02.10821.NC.242 & NC.411\2017CPT.03.02.10821.TSH.01.dgn  
 \$\$\$SERVERNAME\$\$\$

# SAMPSON COUNTY – CONT.

- ⑨ S. FAYETTEVILLE ST.
- ⑩ S. FAYETTEVILLE ST.
- ⑪ N. FAYETTEVILLE ST.
- ⑫ N. FAYETTEVILLE ST.
- ⑬ JONES ST.
- ⑭ PARKER ST.
- ⑮ GORDON ST.
- ⑯ SESSOMS ST.
- ⑰ BRADLEY ST.
- ⑱ COOPER ST.
- ⑲ TEW LOOP
- ⑳ GOODRICH ST.
- ㉑ HALL ST.
- ㉒ MATTHEW ST.
- ㉓ HOWARD ST.
- ㉔ W. CLINTON ST.
- ㉕ CHURCH ST.
- ㉖ HOLLAND ST.
- ㉗ W. TURLINGTON ST.
- ㉘ JACKSON ST.
- ㉙ W. PINE ST.
- ㉚ CHURCH ST.
- ㉛ E. CLINTON ST.
- ㉜ E. TURLINGTON ST.
- ㉝ E. PINE ST.



**SAMPSON  
COUNTY**

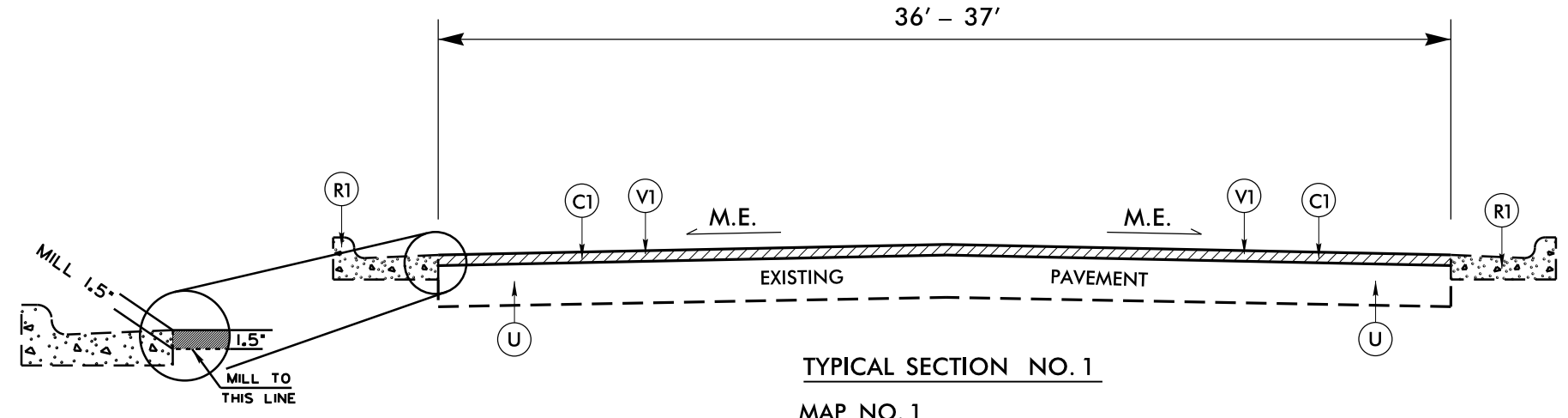
**Salemburg**

**MAPS N.T.S.**

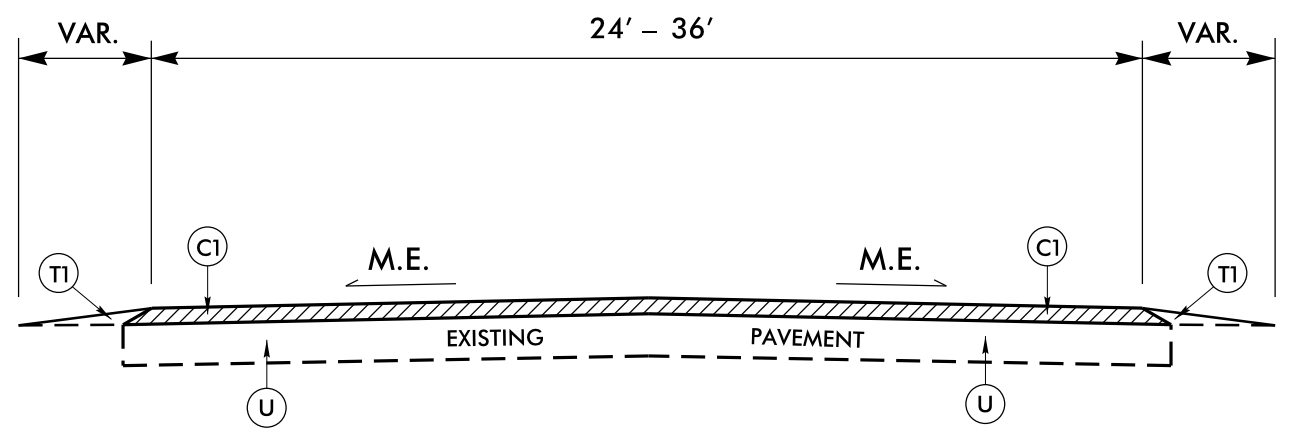
REVISIONS

14-JUL-2016 13:40  
 S:\Division\Resurfacing\Resurfacing Data\2017  
 Resurfacing\Sampson\_Co\2017CPT.03.02.10821.NC.242 & .NC.411\RALEIGH REVISIONS\2017CPT.03.02.10821, Etc. Rdy. TSH.REV.2.dgn  
 \$\$\$USERNAME\$\$\$

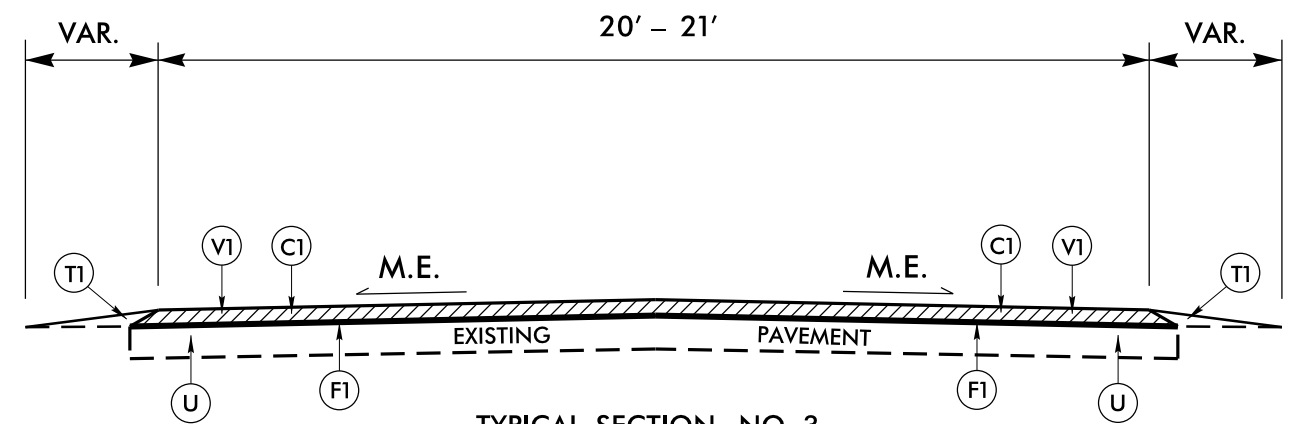
14-JUL-2016 08:45 S:\Division\Resurfacing\Resurfacing Data\2017 Resurfacing\Sampson Co\2017CPT.03.02.10821.NC 242 & NC 411\RALEIGH REVISIONS\2017CPT.03.02.20821, Etc\_Rdy\_TYP\_REV.dgn  
 REVISIONS  
 \$\$\$SUBMITTED\$\$\$



**TYPICAL SECTION NO. 1**  
 MAP NO. 1  
 NC 242 (S. SALEMURG HWY.)  
 MP 5.464 - MP 5.674  
 MP 9.113 - MP 10.434



**TYPICAL SECTION NO. 2**  
 MAP NO. 1  
 NC 242 (S. SALEMURG HWY.)  
 MP 5.674 - MP 9.113  
 (NO WORK: TIP R-2303C NC 242 INTERCHANGE MP 6.352 - MP 6.674)  
 (NO ASPHALT WORK: SAMPSON BRIDGE NO. 19 MP 7.014 - MP 7.044)



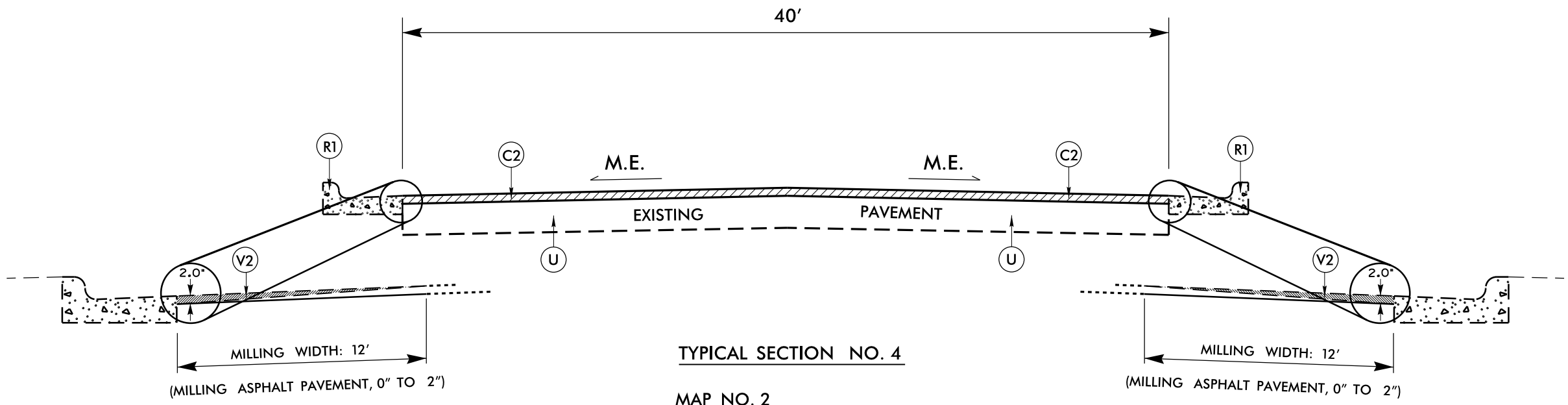
**TYPICAL SECTION NO. 3**  
 MAP NO. 2  
 NC 411 (HARRELLS WAY)  
 MP 8.984 - MP 13.234

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. 2" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SQ.YD.
C3	PROP. APPROX. 1¼" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 137.5 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.
F1	ASPHALT SURFACE TREATMENT - MAT COAT #67 STONE (GRANITE)
R1	EXISTING CONCRETE 2'-6" CURB & GUTTER
T1	AGGREGATE SHOULDER BORROW (ASB)
T2	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
U	EXISTING PAVEMENT
V1	MILLING ASPHALT PAVEMENT, 1½" DEPTH
V2	MILLING ASPHALT PAVEMENT, 0" - 2.0" 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.

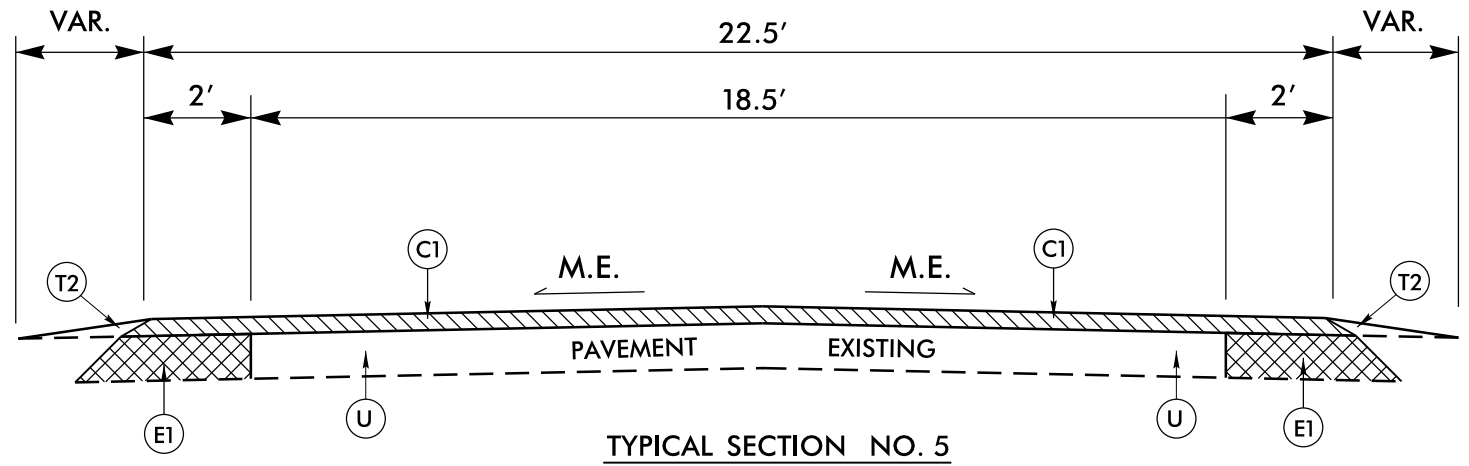
REVISIONS

14-JUL-2016 08:48  
 S:\Division\Resurfacing\Resurfacing Data\2017  
 Resurfacing\Sampson\_Co\2017CPT.03.02.10821\_NC\_242 & NC\_411\RALEIGH REVISIONS\2017CPT.03.02.20821\_Etc\_Rdy\_TYP\_REV.dgn  
 \$\$\$SUNFARM\$\$\$



**TYPICAL SECTION NO. 4**

MAP NO. 2  
 NC 411 (W. 2ND ST.)  
 MP 13.234 - MP 13.764



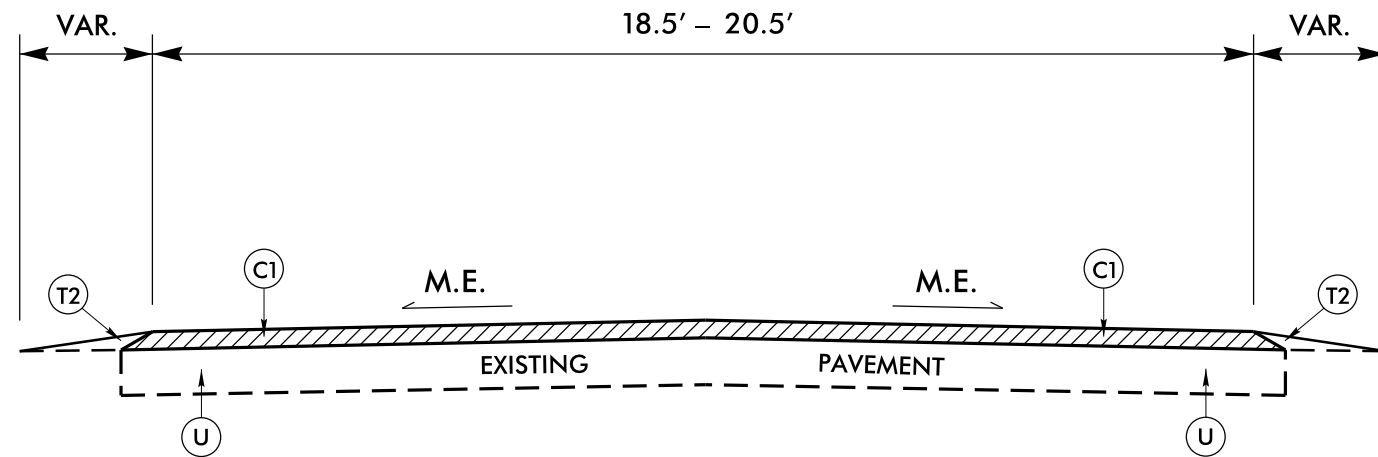
**TYPICAL SECTION NO. 5**

MAP NO. 3  
 SR 1842 (BROWNS CHURCH RD.)  
 MP 1.820 - MP 2.650

PAVEMENT SCHEDULE	
C1	1½" S9.5B
C2	2" S9.5B
E1	4" B25.0B
R1	EXISTING 2'-6" CURB & GUTTER
T2	SH. RECONSTRUCTION
U	EXISTING PAVEMENT
V2	MILLING 0"- 2" 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.





TYPICAL SECTION NO. 6

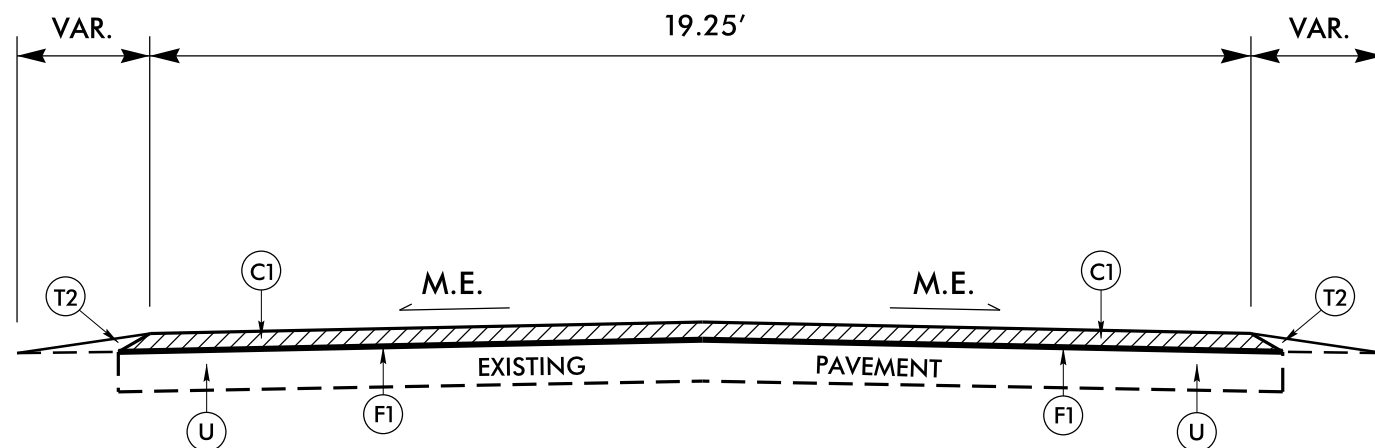
MAP NO. 4  
SR 1827 (BASSTOWN RD.)  
MP 0.000 – MP 4.650  
  
(NO WORK:  
SAMPSON BRIDGE  
REPLACEMENT NO. 181)  
MP 1.800 – MP 1.928)

MAP NO. 5  
SR 1742 (McCULLEN RD.)  
MP 5.854 – MP 8.299

MAP NO. 6  
SR 1441 (WELCOME SCHOOL RD.)  
MP 2.420 – MP 6.550

MAP NO. 7  
SR 1729 (BILL WALTERS RD.)  
MP 0.000 – MP 1.800

MAP NO. 8  
SR 1342 (WORLEY RD.)  
MP 0.000 – MP 0.810



TYPICAL SECTION NO. 7

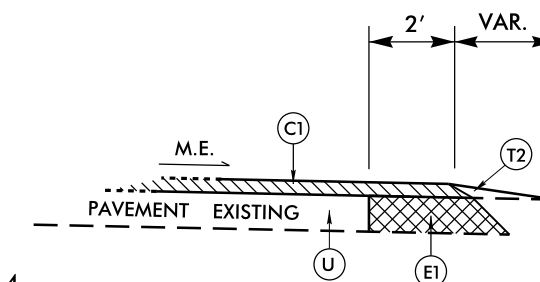
MAP NO. 5  
SR 1742 (McCULLEN RD.)  
MP 8.299 – MP 9.989

(NO ASPHALT WORK:  
SAMPSON BRIDGE NO. 233  
MP 8.854 – MP 8.904)

PAVEMENT SCHEDULE	
C1	1½" S9.5B
E1	4" B25.0B
F1	AST - MAT COAT #67 (GRANITE)
T2	SH. RECONSTRUCTION
U	EXISTING PAVEMENT

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.

DETAIL OF SPIRAL WIDENING AREAS



MAP NO. 4  
SR 1827 (BASSTOWN RD.):

- MP 0.00 – MP 0.10 (SB)
- MP 0.80 – MP 0.95 (NB)
- MP 1.70 – MP 1.800 [BRIDGE 181] (SB)
- MP 1.928 [BRIDGE 181] – MP 2.30 (NB)
- MP 2.20 SR 1863 INTERSECTION WIDEN RADII (NW & SW)
- MP 2.65 – MP 2.80 (SB)
- MP 3.20 SR 1826 INTERSECTION WIDEN RADII (NE & SE)
- MP 3.35 – MP 3.50 (SB)
- MP 3.50 SR 1828 INTERSECTION WIDEN RADIUS (SW)
- MP 4.20 SR 1828 INTERSECTION WIDEN RADIUS (NW)

MAP NO. 5  
SR 1742 (McCULLEN RD.):

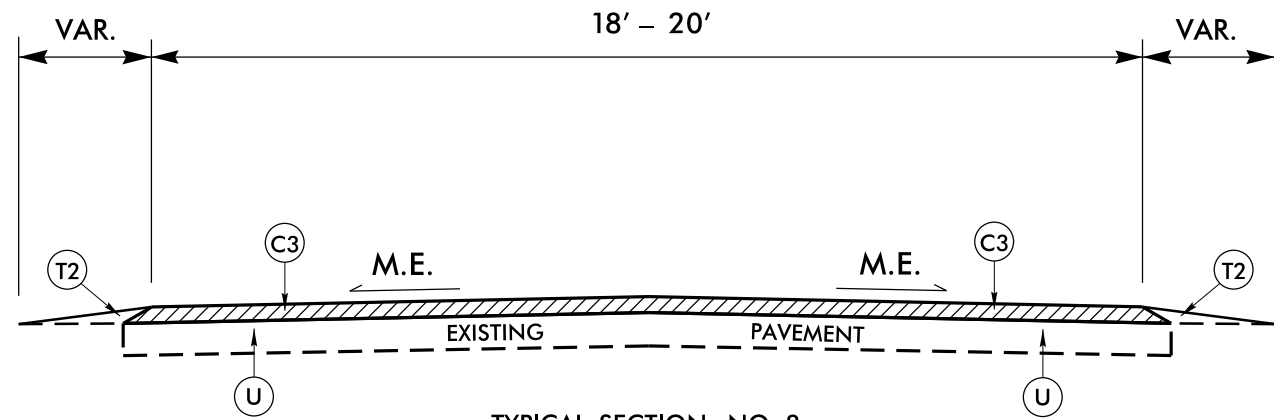
- MP 6.95 – MP 7.35 (NB)
- MP 7.52 AT SR 1741 INTERSECTION – WIDEN RADII (NW & SW)
- MP 8.30 AT SR 1740 INTERSECTION – WIDEN 2 OF 4 RADII
- MP 8.75 – MP 8.85 [BRIDGE 233] (NB)
- MP 8.90 [BRIDGE 233] – MP 9.10 (NB)

MAP NO. 7  
SR 1729 (BILL WALTERS RD.):

- MP 0.62 – MP 0.82 (WB)
- MP 1.05 – MP 1.20 (WB)
- MP 1.55 – MP 1.80 (EB & WB)

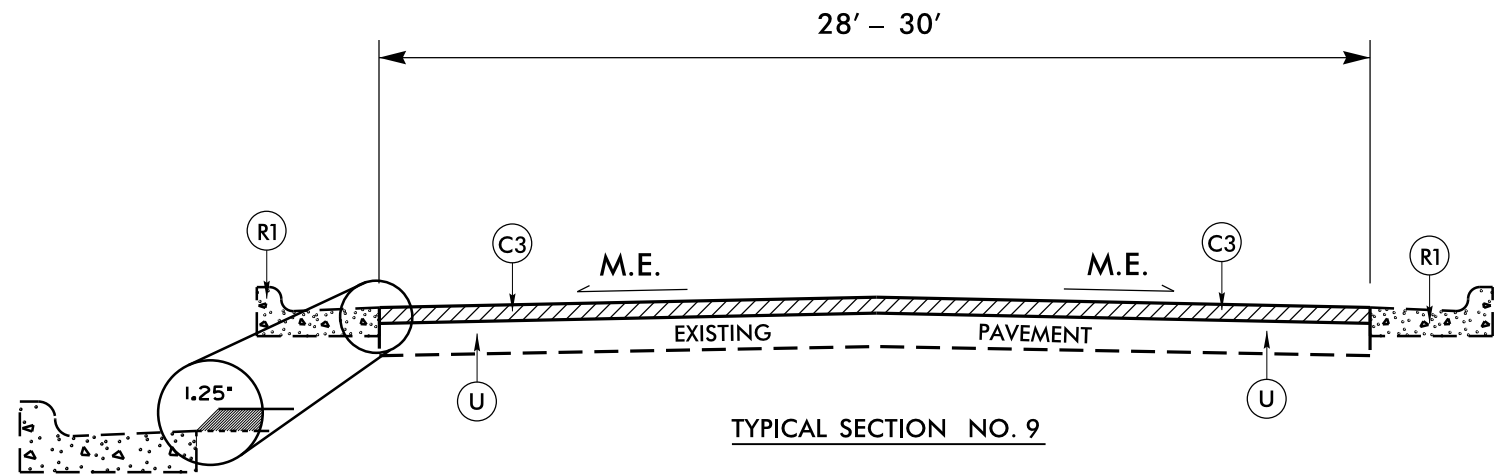
REVISIONS

14-JUL-2016 08:20  
 S:\Division\Resurfacing\Resurfacing Data\2017  
 Resurfacing\Sampson\_Co\2017CPT.03.02.10821.NC.242 & .NC.411\RALEIGH REVISIONS\2017CPT.03.02.20821.E.tc.Rdy\_TYP\_REV.dgn  
 \$\$\$SERNAME\$\$\$



TYPICAL SECTION NO. 8

MAP NO. 9 S. FAYETTEVILLE ST.	MAP NO. 19 TEW LOOP	MAP NO. 27 W. TURLINGTON ST.
MAP NO. 12 N. FAYETTEVILLE ST.	MAP NO. 20 GOODRICH ST.	MAP NO. 28 JACKSON ST.
MAP NO. 13 JONES ST.	MAP NO. 21 HALL ST.	MAP NO. 29 W. PINE ST.
MAP NO. 14 PARKER ST.	MAP NO. 22 MATTHEW ST.	MAP NO. 30 CHURCH ST.
MAP NO. 15 GORDON ST.	MAP NO. 23 HOWARD ST.	MAP NO. 31 E. CLINTON ST.
MAP NO. 16 SESSOMS ST.	MAP NO. 24 W. CLINTON ST.	MAP NO. 32 E. TURLINGTON ST.
MAP NO. 17 BRADLEY ST.	MAP NO. 25 CHURCH ST.	MAP NO. 33 E. PINE ST.
MAP NO. 18 COOPER ST.	MAP NO. 26 HOLLAND ST.	



TYPICAL SECTION NO. 9

MAP NO. 10 S. FAYETTEVILLE ST.	MAP NO. 11 N. FAYETTEVILLE ST.
-----------------------------------	-----------------------------------

PAVEMENT SCHEDULE	
C3	1 1/4" SF9.5A
R1	EXISTING 2'-6" C & G
T2	SH. RECONSTRUCTION
U	EXISTING PAVEMENT

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.

2012 ROADWAY ENGLISH STANDARD DRAWINGS

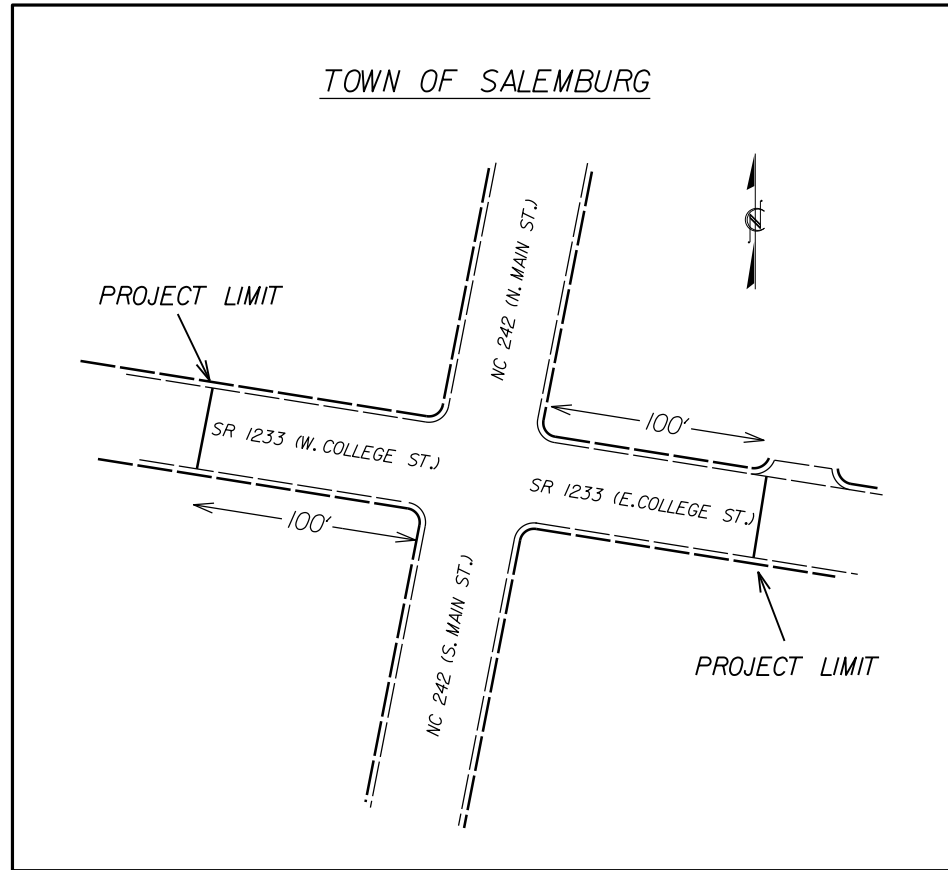
EFF.01-17-2012  
REV.02-29-2016

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:

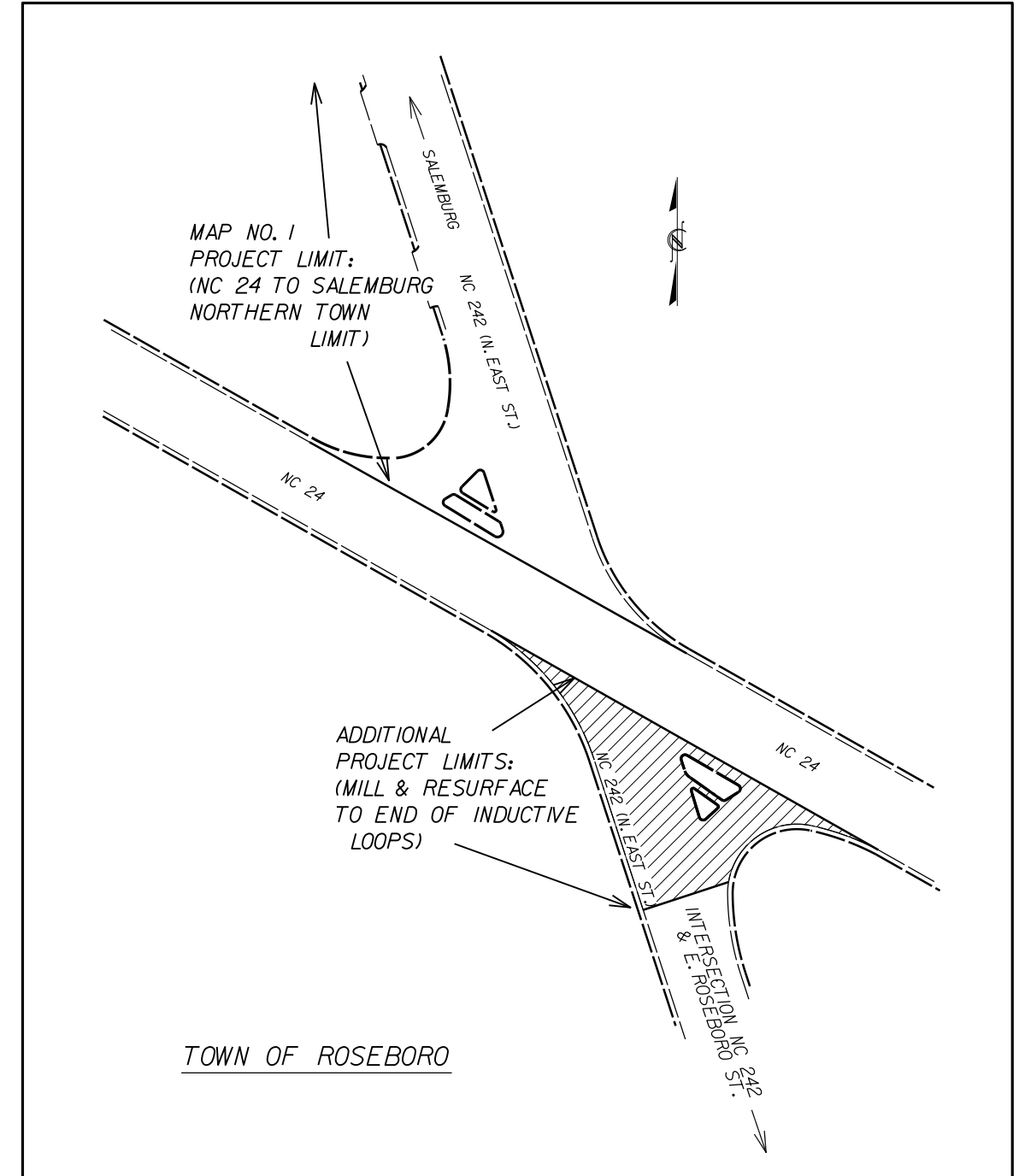
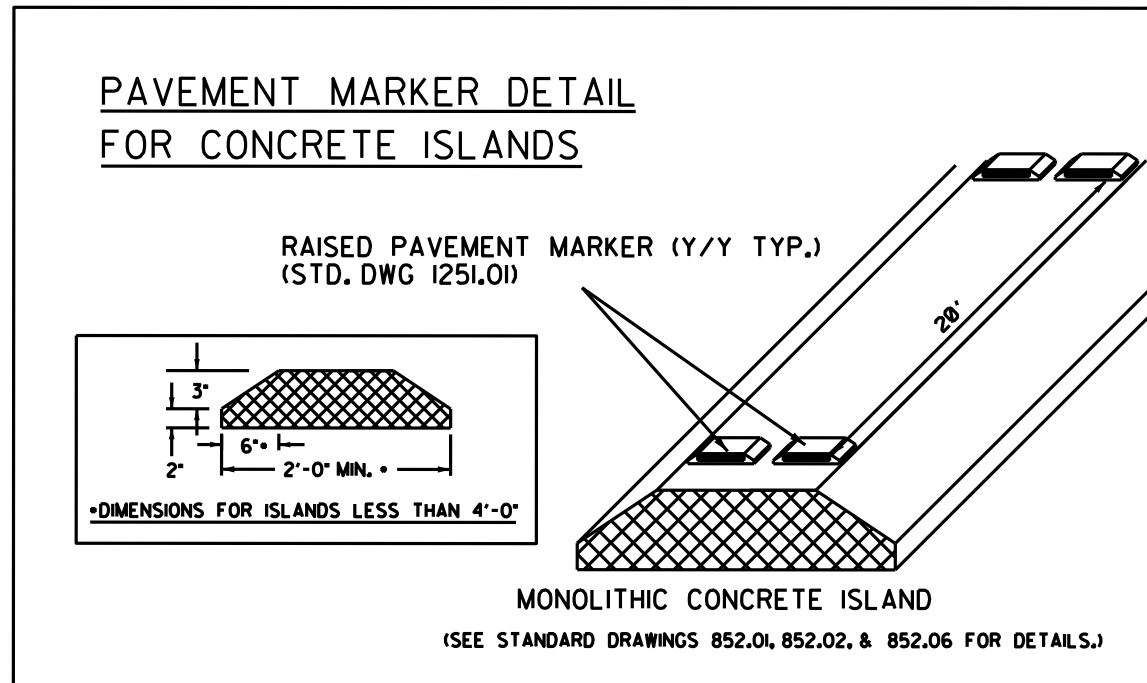
STD.NO.	TITLE
DIVISION 8 - INCIDENTALS	
846.01	Concrete Curb, Gutter and Curb & Gutter
848.01	Concrete Sidewalk
848.05	Curb Ramp - Proposed Curb & Gutter
862.01	Guardrail Placement
862.02	Guardrail Installation

14-JUL-2016 08:21  
 S:\Division\Resurfacing\Resurfacing Data\2017  
 Resurfacing\Sampson\_Co\2017CPT.03.02.10821.NC.242 & .NC.411\RALEIGH REVISIONS\2017CPT.03.02.20821.Etc.Rdy\_Typ\_REV.dgn  
 \$\$\$SUSERRNAME\$\$\$

# RESURFACING LIMITS AND PAVEMENT MARKING & MARKER DETAILS



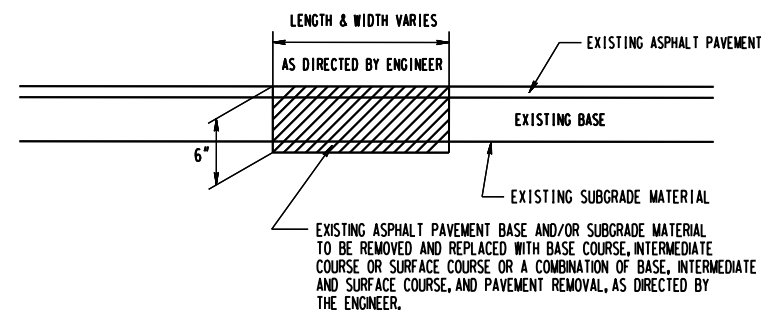
MAP 1: NC 242 (MAIN ST.) & SR 1233 (COLLEGE ST.)  
EXTEND MILLING & RESURFACING LIMITS  
100 FT. ON SR 1233 (W. & E. COLLEGE ST.)  
SEE ATTACHED SIGNAL PLANS.



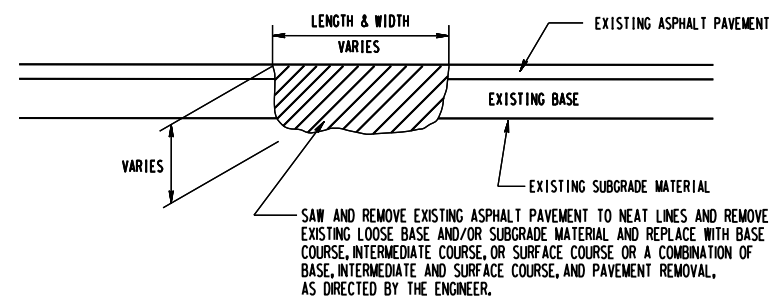
MAP 1: NC 242 (N. EAST ST.) & NC 24  
RESURFACING LIMITS – SEE SIGNAL PLANS FOR LOCATION OF  
INDUCTIVE LOOPS, STOP BARS AND YIELD LINE TRIANGLES

07-JUL-2016 09:51  
 S:\Division\Resurfacing\Resurfacing Data\2017  
 Resurfacing\Sampson\_Co\2017CPT.03.02.10821.NC.242 & NC.411\2017CPT.03.02.20821.Etc.Redu\_TYP.dgn  
 \$\$\$SUN\$MAY\$\$\$

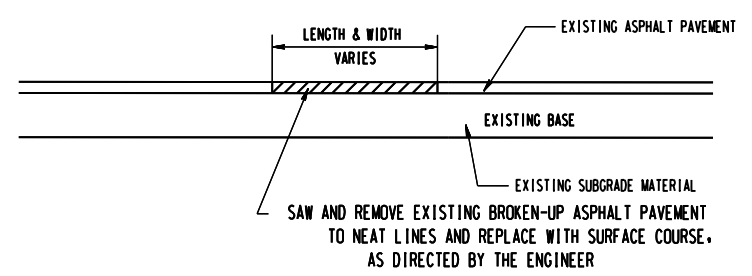
DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



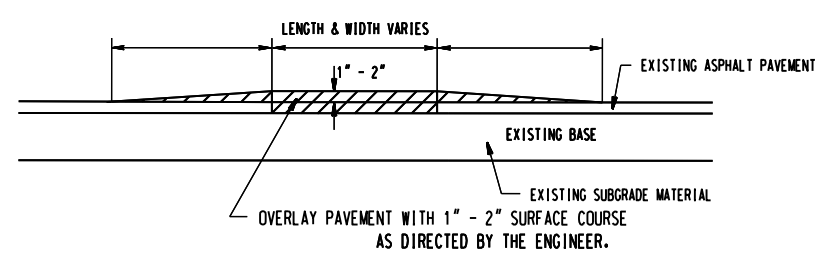
DETAIL NO. 1



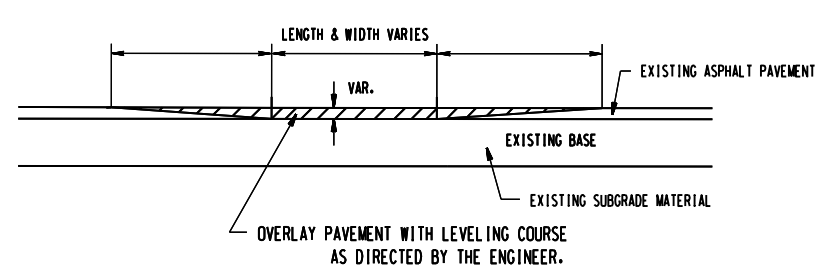
DETAIL NO. 2



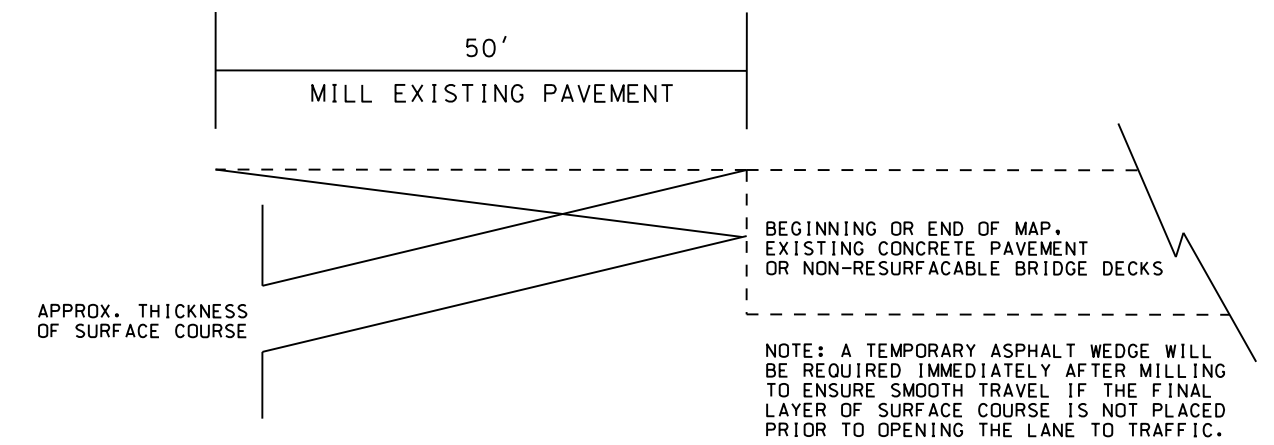
DETAIL NO. 3



DETAIL NO. 4



DETAIL NO. 5



DETAIL FOR INCIDENTAL MILLING:  
BEGINNING AND/OR END OF MAP & BRIDGES

REVISIONS  
 06 JUL -2016 17:41  
 Resurfacing\Sampson\_Co\2017CPT.03.02.10821.NC.242 & .NC.411\2017CPT.03.02.20821.Etc.Rdy\_TYP.dgn  
 8/17/09

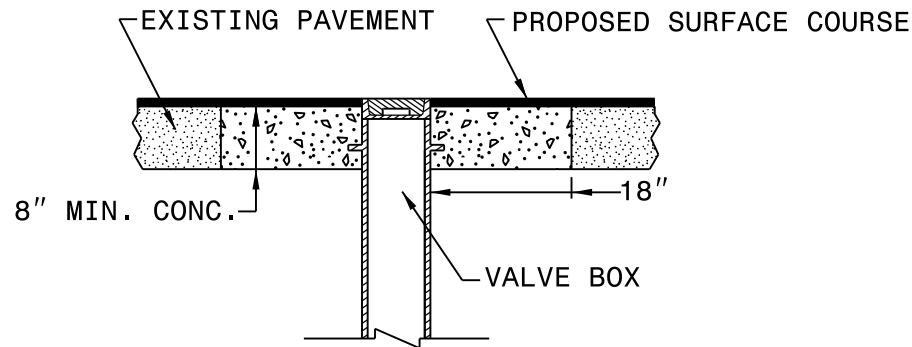
STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

**MANHOLE AND VALVE BOX ADJUSTMENTS**

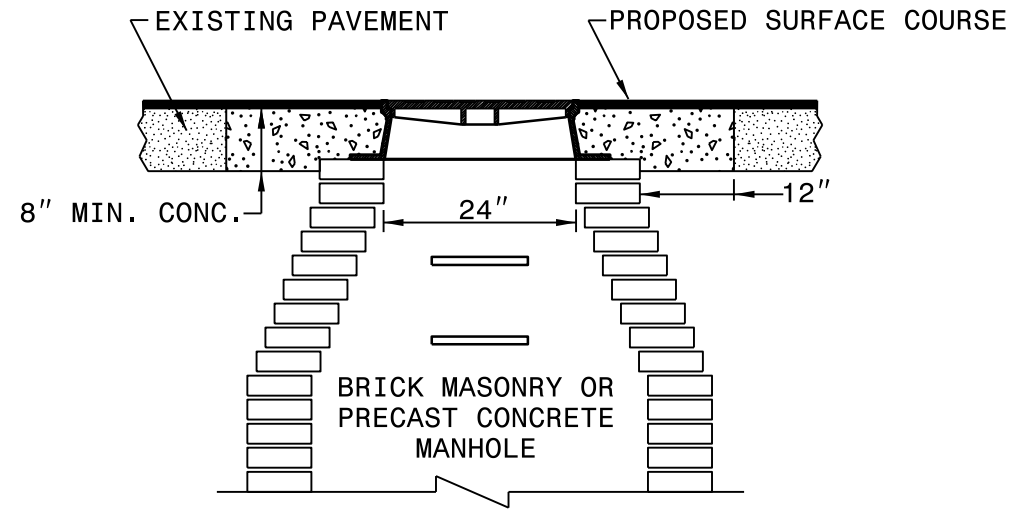
ENGLISH DETAIL DRAWING FOR

GENERAL NOTES:

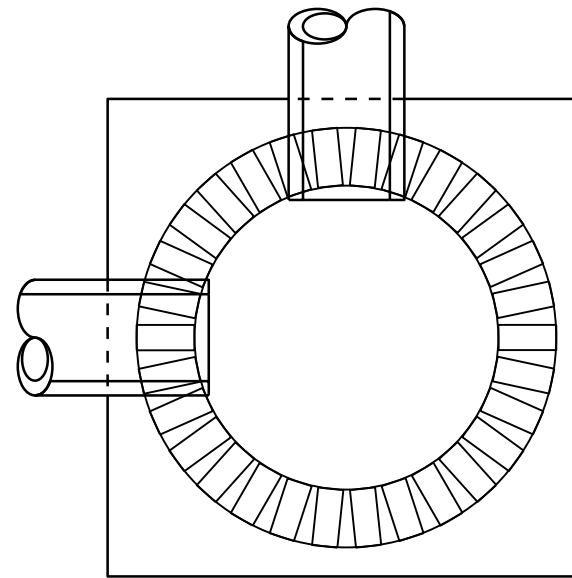
1. USE RAPID SET GROUT, MORTAR, OR CONCRETE THAT WILL TAKE FULL SET AND BECOME LOAD BEARING WITHIN SIXTY MINUTES OF PLACEMENT WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
2. REMOVE ALL FAULTY EXISTING BRICKWORK AND REPLACE WITH NEW BRICK MASONRY.
3. SHEER CUT EXCAVATION FOR THE ADJUSTMENT ON ALL 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 2012 STANDARD SPECIFICATIONS.



VALVE BOX CONCRETE ENCASEMENT



MANHOLE CONCRETE ENCASEMENT



ELEVATION VIEW

PLACE BRICK ACCORDING TO ELEVATION VIEW

SHEET 1 OF 1

**840D55**

SHEET 1 OF 1

**840D55**

ENGLISH DETAIL DRAWING FOR

**MANHOLE AND VALVE BOX ADJUSTMENTS**

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

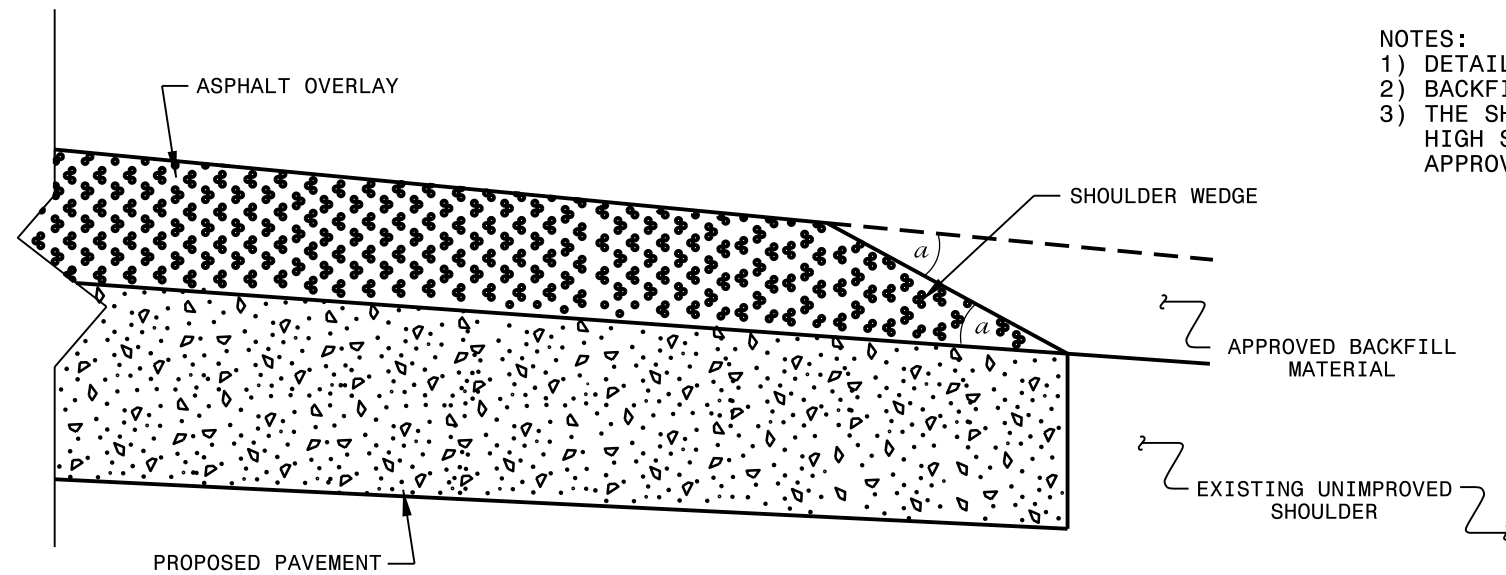
REVISIONS

8/17/99

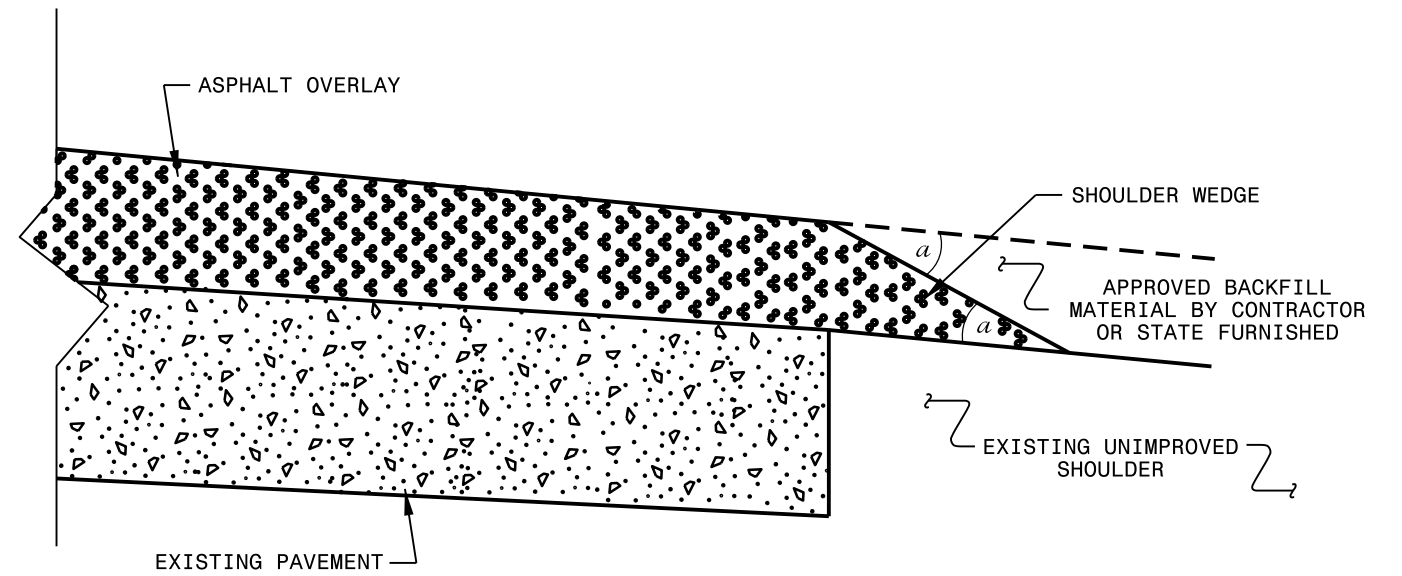
24-JAN-2016 13:31  
C:\Users\yokjmmel\Desktop\DETAIL\_PSHS\Microstation Files\MH\_Valve\_Adjust\_2015.dgn  
\$\$\$\$\$USERNAME\$\$\$\$\$

**NOTES:**

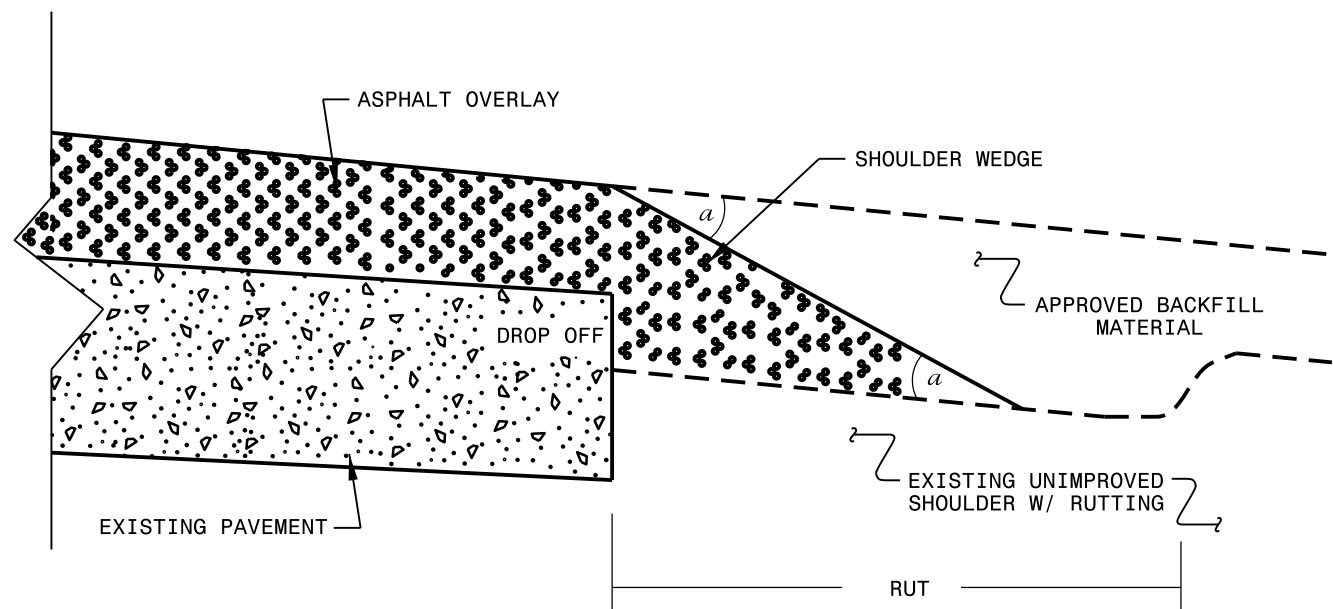
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
- 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
- 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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



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

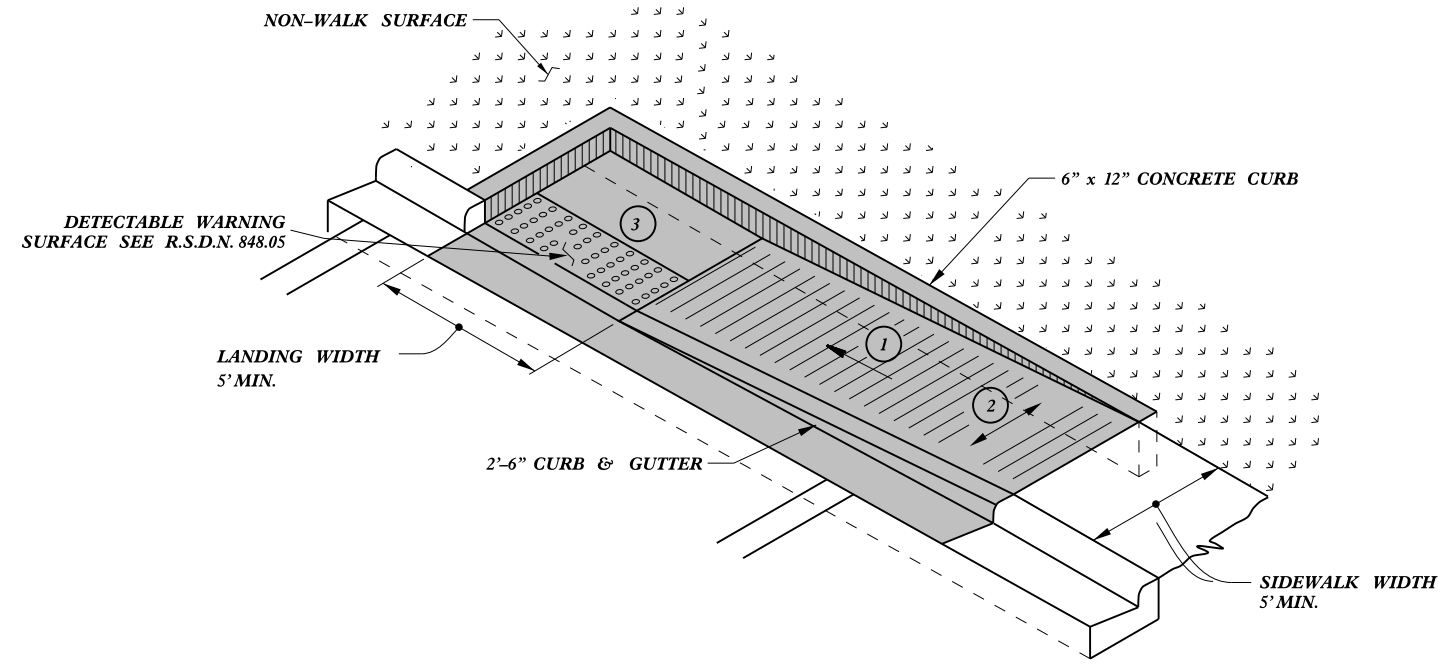


**SHOULDER WEDGE DETAIL**  
(Resurfacing Adjacent to  
Rutted Shoulder)

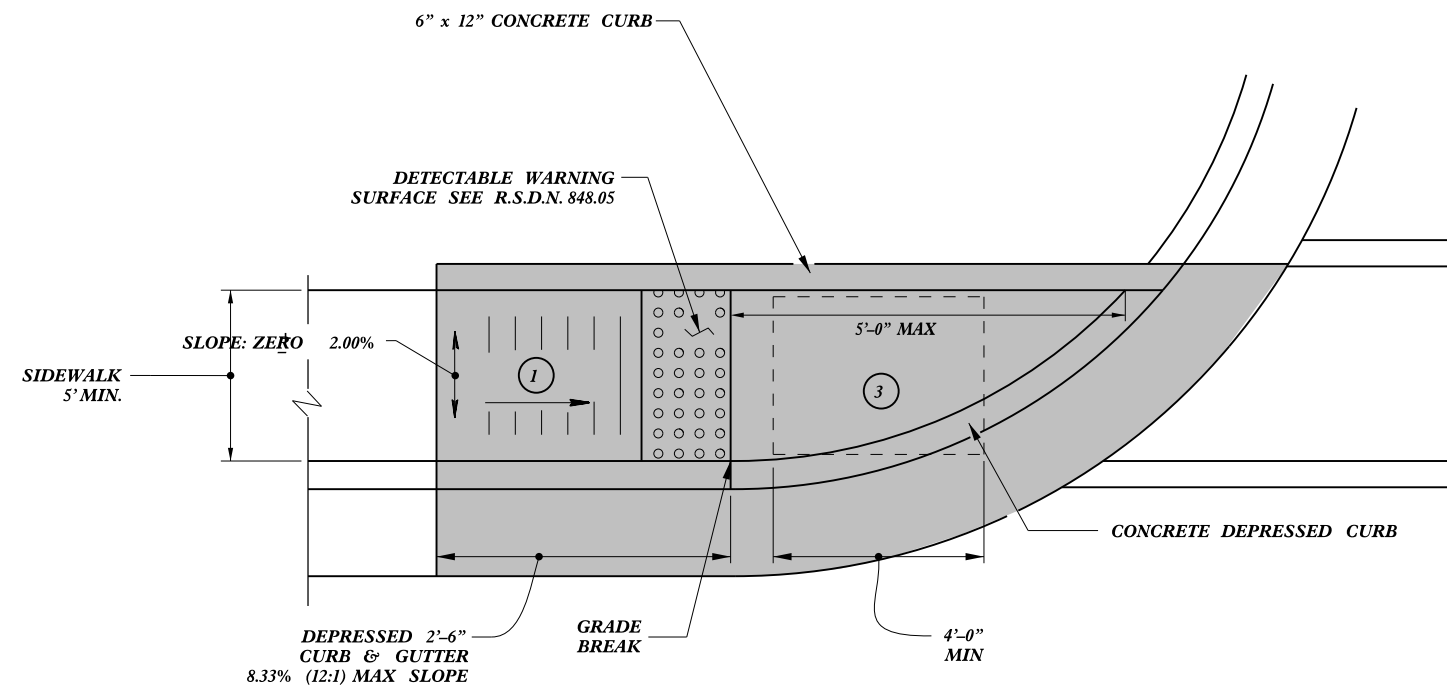
- SHOULDER WEDGE ANGLE = 30°

<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.: susr/details/stand/shoulderwedgedetail.dgn	

27-JUL-2016 12:25  
 S:\Contracts\Resurfacing Projects\Shoulder Wedge Details\Revised Shoulder Wedge Detail.dgn  
 \$\$\$USERNAME\$\$\$



**TYPE 1A**



**TYPE 1**

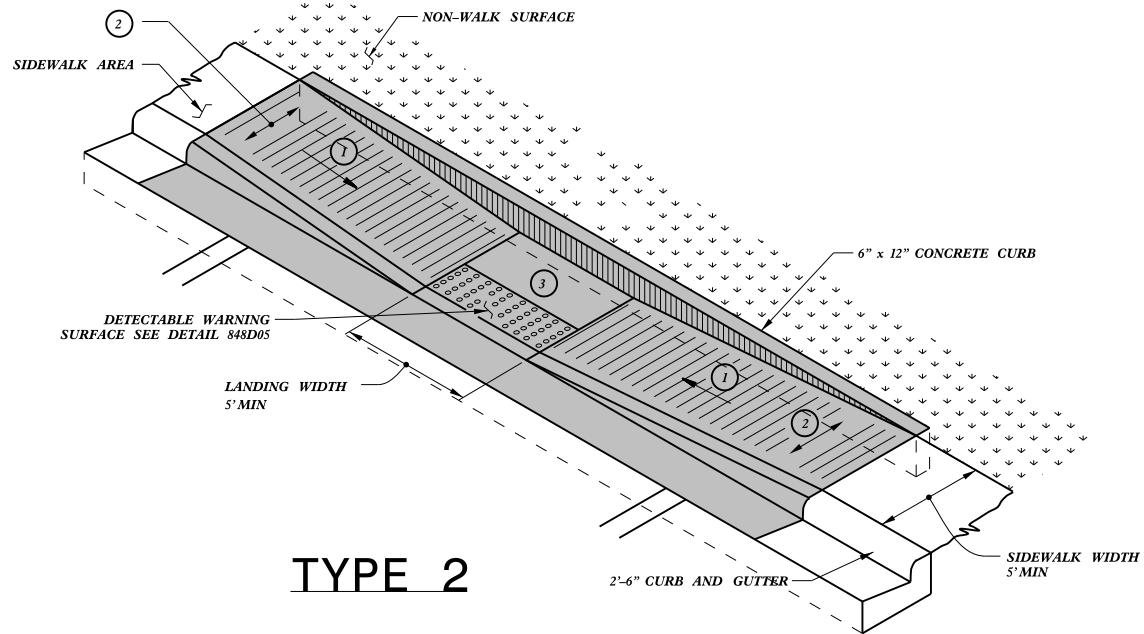
- ① 8.33% (12:1) MAX RAMP SLOPE
- ② CROSS SLOPE: 2.00%
- ③ CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.

**PAY LIMITS FOR CURB RAMP**

<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: sstds/2012CurbRamp/CurbRampDetails.dwg	

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

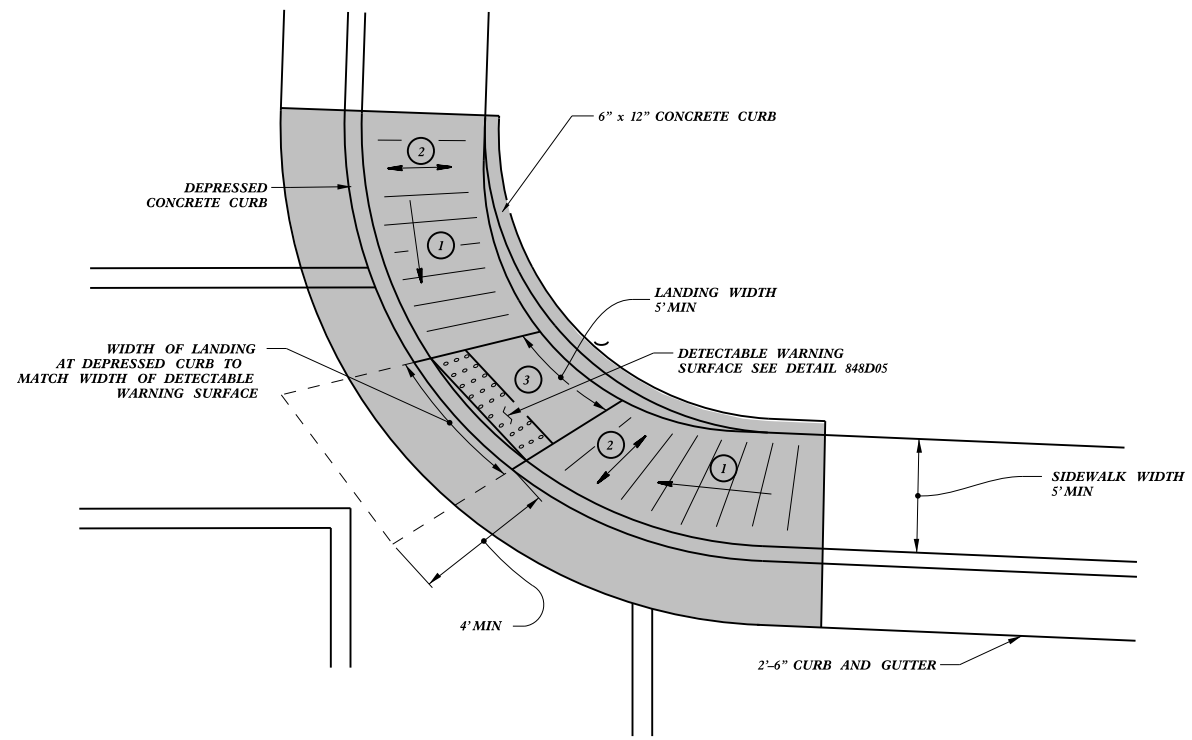
23-MAR-2012 15:05  
 J:\Contracts\2012\Standard Drawings\2012 Standard Drawings\2012 Curb Ramp Special Details\Curb Ramp Details.dwg  
 J.Howerton AT 15023750



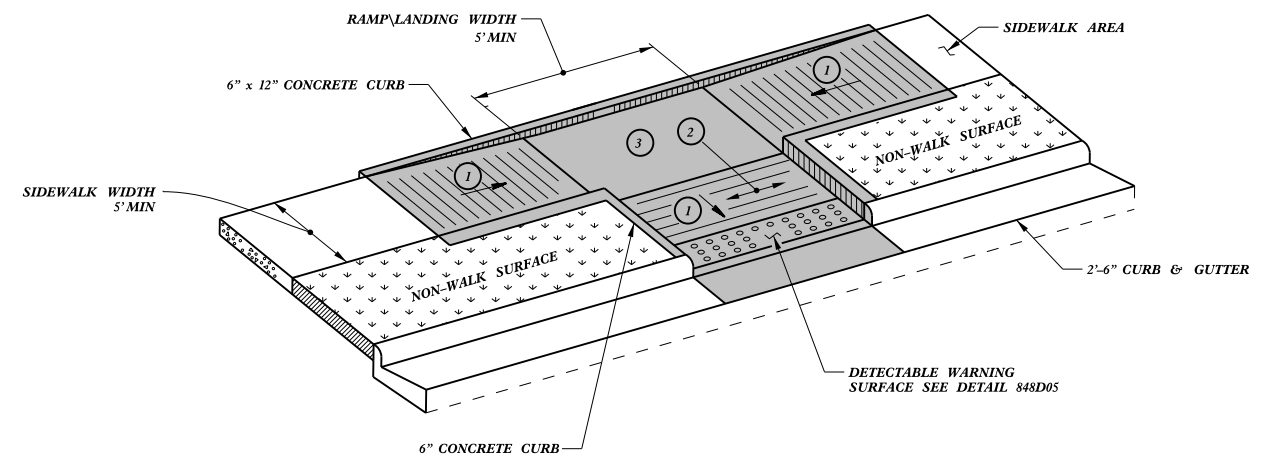
**TYPE 2**

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**



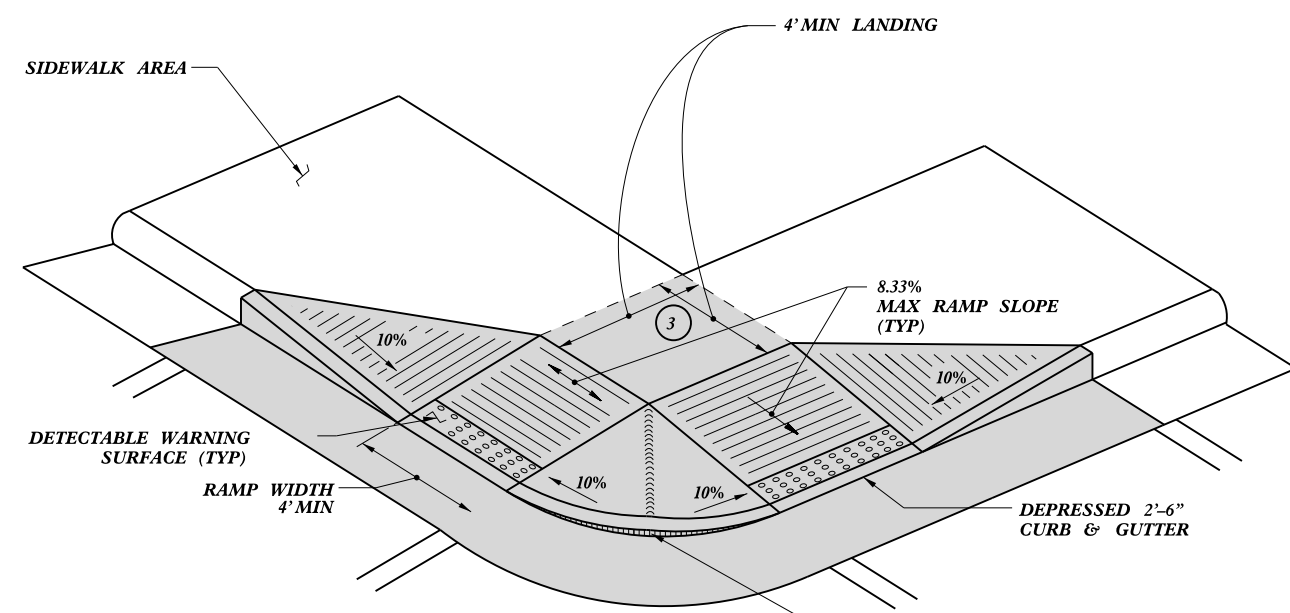
**TYPE 3**

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

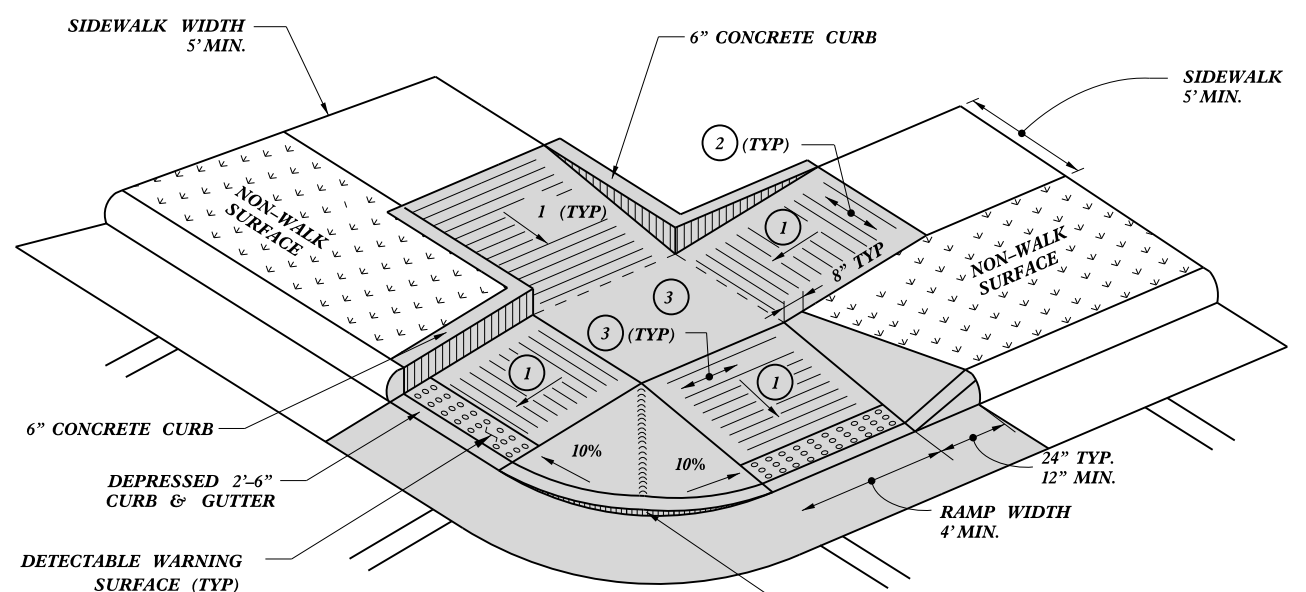
REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

23-MAR-2012 15:07 J:\Contracts\Special Details\Howerton\Standard Drawings\2012 Standard Drawings\Curb Ramp Special Details\Curb Ramp Details.dwg

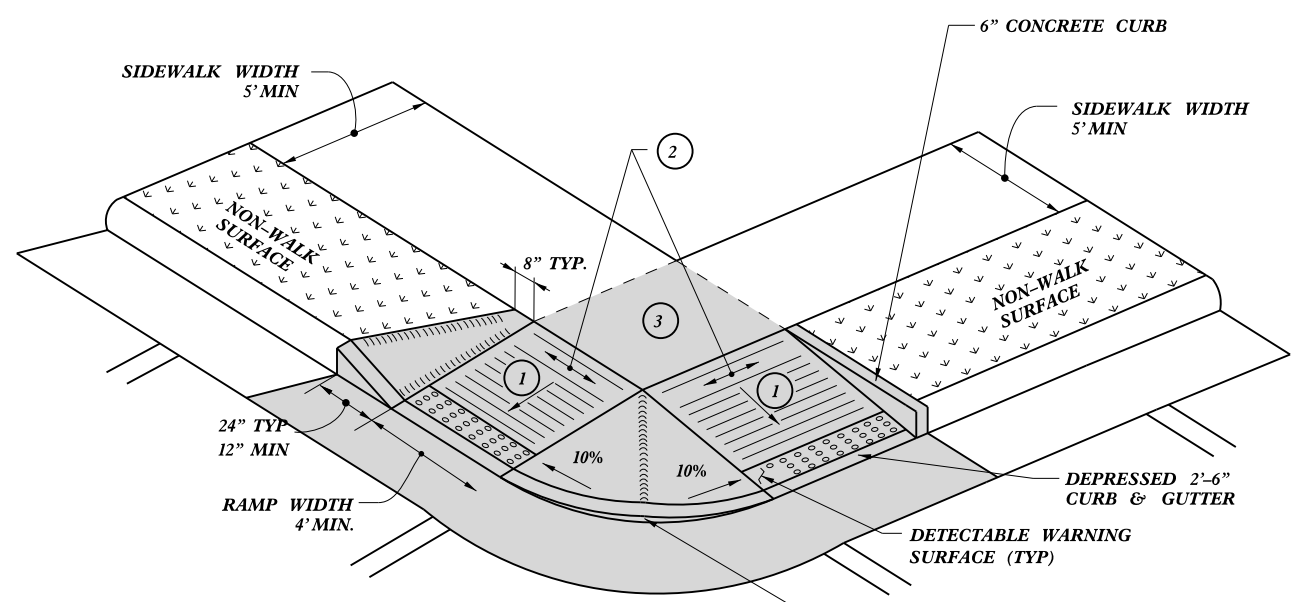




**TYPE 4**



**TYPE 5**



**TYPE 4A**

PAY LIMITS FOR CURB RAMP

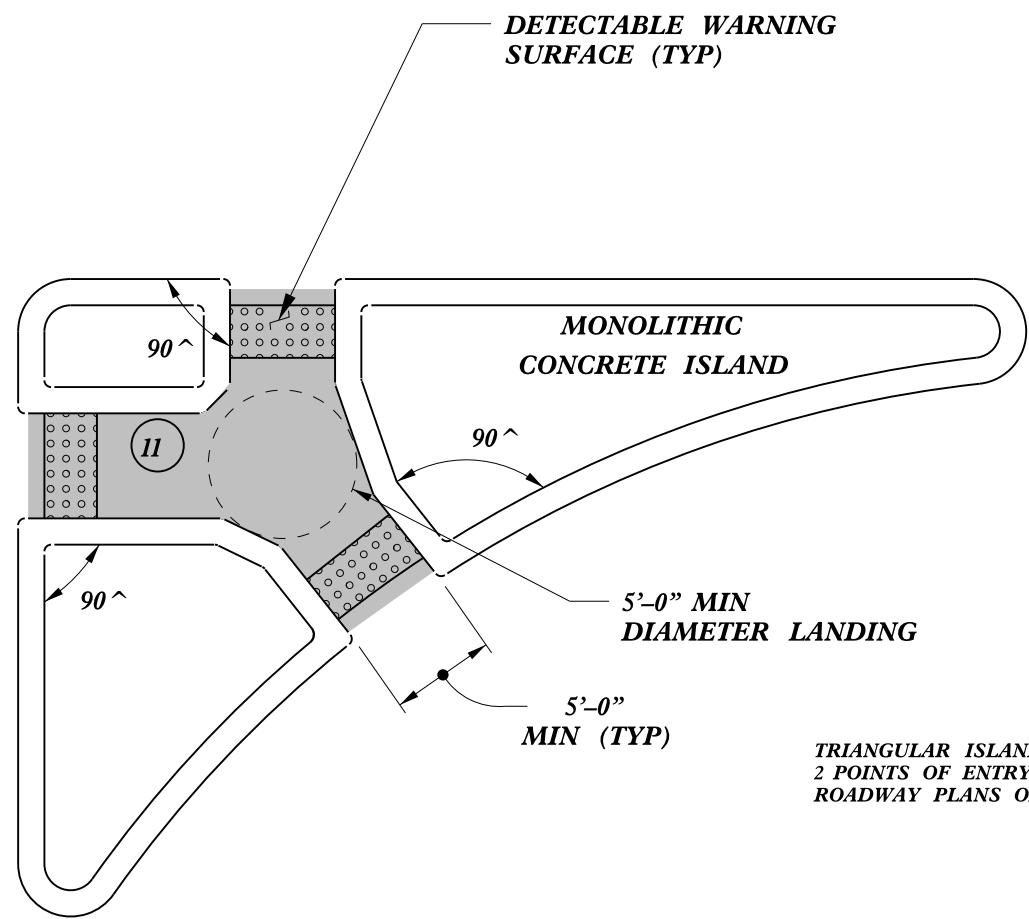
- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.

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

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

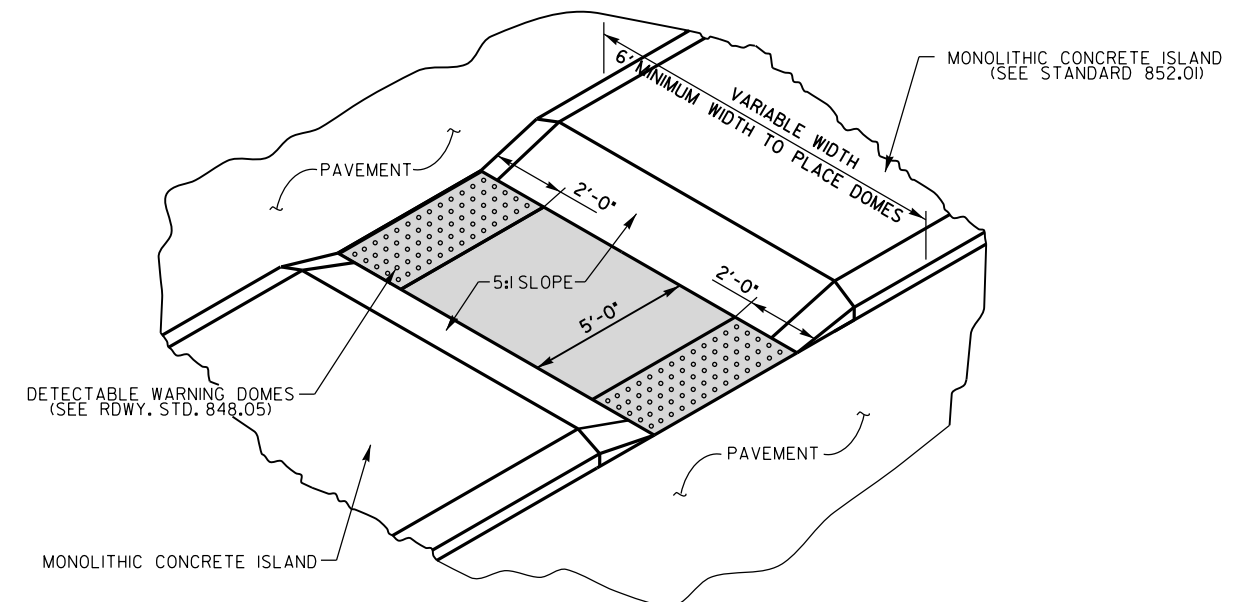
23-MAR-2012 15:08 J:\Contracts\2012\Standard Drawings\2012 Standard Drawings\Curb Ramp Special Details\Curb Ramp Details.dwg J:\Howerton

PAY LIMITS FOR 1 CURB RAMP

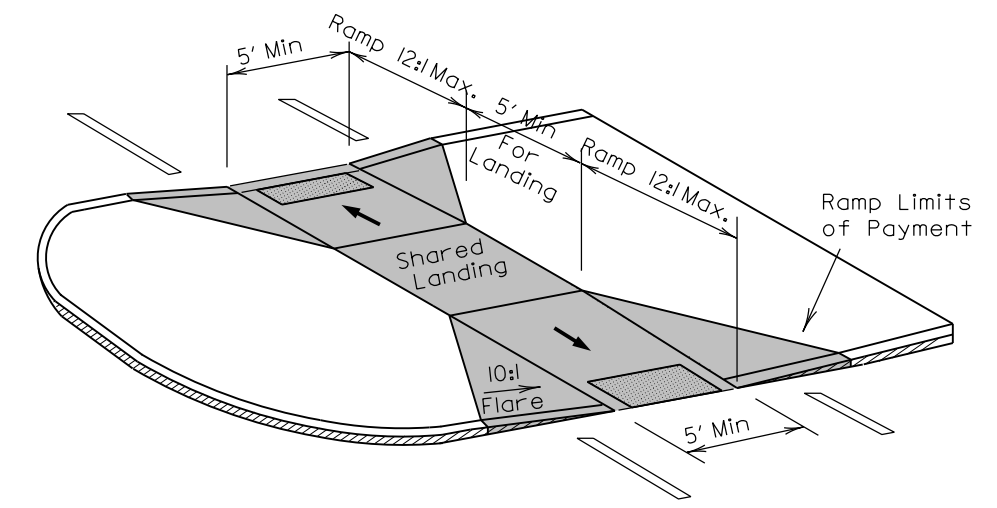


TRIANGULAR ISLANDS MAY BE CONSTRUCTED WITH ONLY 2 POINTS OF ENTRY AND EXIT AS SHOWN IN THE ROADWAY PLANS OR AS DIRECTED BY THE ENGINEER.

**TRIANGULAR ISLAND WITH CUT THROUGH**



**MEDIAN ISLAND WITH CUT THROUGH**



**MEDIAN ISLAND CURB RAMPS**

<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: sstds/2012CurbRamp/CurbRampDetails.dwg	

5/14/99  
C:\P\2017\2017CPT.03.02.10821\2017CPT.03.02.10821.dwg

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

1-12

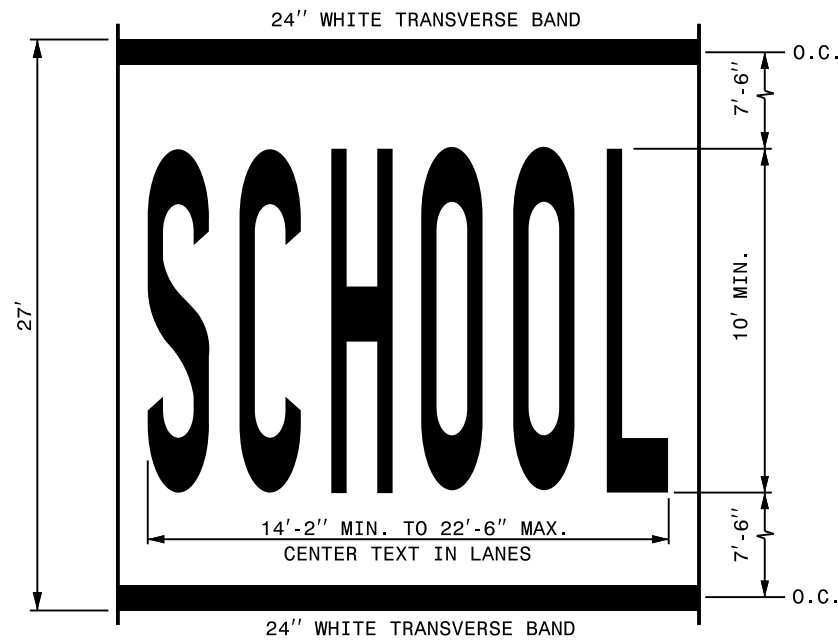
ENGLISH DETAIL DRAWING FOR  
**PAVEMENT MARKINGS**  
SYMBOLS AND WORD MESSAGES

REVISED  
9/14/11

SHEET 3 OF 8

**1205D08**

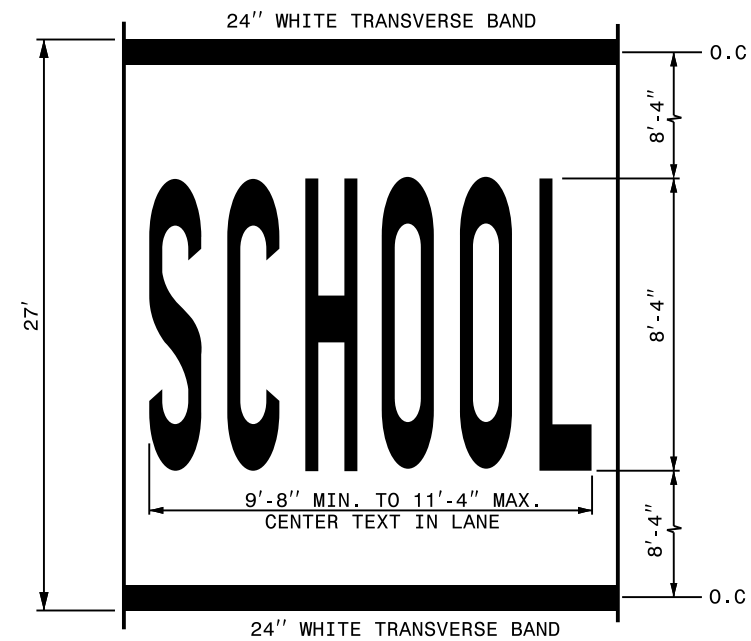
**MULTI-LANE WIDTH "SCHOOL"**



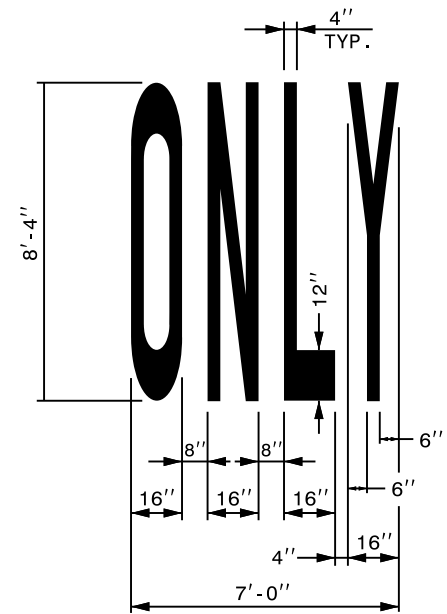
LETTER HEIGHT = 10' MIN.  
LETTER WIDTH = 20"  
SPACING = 10" MIN./30" MAX. (USE EQUAL SPACING BETWEEN LETTERS)

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

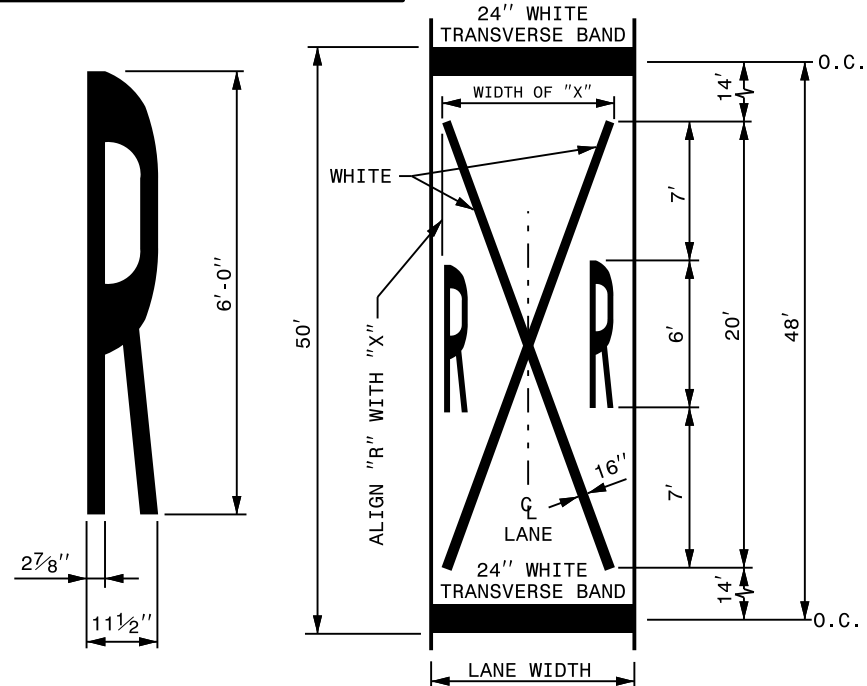
**SINGLE LANE WIDTH "SCHOOL"**



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.

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**

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

PROJECT NO.	SHEET NO.
2017CPT.03.02.10821, ETC.	16

### 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. (STATE FURNISHED) * CY	BORROW EXC. CY	AGGREGATE SHOULDER BORROW TON	INC. STONE BASE TONS	SHOULDER RECONST. (STATE FURN. BORROW) SMI	SHOULDER RECONST. SMI	1 1/2" MILLING SY	0" - 2" MILLING SY	INC. MILLING SY	BASE COURSE, B25.0B TONS	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, MATCOAT, #67 STONE (GRANITE) SY	EMULSION FOR ASPHALT SURFACE TREATMENT GAL	PATCHING EXISTING PAVEMENT (FULL DEPTH) TON	PATCHING EXISTING PAVEMENT (MILL) TON
2017CPT.03.02.10821	Sampson	1	NC 242 (SALEMBURG HWY)	FROM NC 24 TO NORTHERN TOWN LIMITS SALEMBURG (MP 5.438 - MP 10.434) NO ASPHALT WORK TIP R-2303C (MP 6.352 - MP 6.674) & BRIDGE NO.19 [MP 7.014 - MP 7.044]	1,2	2 - 3	2WU	NO	NO	4.97	24 - 37			236	50		6.24	35,130		550		7,548	40			455			50	400
<b>TOTAL FOR MAP NO. 1</b>										<b>4.97</b>				<b>236</b>	<b>50</b>		<b>6.24</b>	<b>35,130</b>		<b>550</b>		<b>7,548</b>	<b>40</b>			<b>455</b>			<b>50</b>	<b>400</b>
2017CPT.03.02.10821	Sampson	2	NC 411 (HARRELLS HWY.)	FROM NC 903 TO 0.32 MI. SOUTH OF GARLAND NORTHERN CITY LIMITS (MP 8.984 - MP 13.764)	3,4	2	2WU	NO	NO	4.78	20 - 40			284	94		8.50	53,407	9,650		30	5,526	75			338	52,360	18,330	75	250
<b>TOTAL FOR MAP NO. 2</b>										<b>4.78</b>				<b>284</b>	<b>94</b>		<b>8.50</b>	<b>53,407</b>	<b>9,650</b>		<b>30</b>	<b>5,526</b>	<b>75</b>			<b>338</b>	<b>52,360</b>	<b>18,330</b>	<b>75</b>	<b>250</b>
<b>TOTAL FOR PROJ NO. 2017CPT.03.02.10821</b>										<b>9.75</b>				<b>520</b>	<b>144</b>		<b>14.74</b>	<b>88,537</b>	<b>9,650</b>	<b>550</b>		<b>13,074</b>	<b>115</b>			<b>793</b>	<b>52,360</b>	<b>18,330</b>	<b>125</b>	<b>650</b>
2017CPT.03.02.20821	Sampson	3	SR 1842 (BROWNS CHURCH RD.)	FROM US 421 TO SR 1827 (BASSTOWN RD.) MP 1.820 - MP 2.650	5	2	2WU	NO	NO	0.83	22.5	25.00			16	1.66				222	481	992				81			1	1
<b>TOTAL FOR MAP NO. 3</b>										<b>0.83</b>		<b>25.00</b>			<b>16</b>	<b>1.66</b>				<b>222</b>	<b>481</b>	<b>992</b>				<b>81</b>			<b>1</b>	<b>1</b>
2017CPT.03.02.20821	Sampson	4	SR 1827 (BASSTOWN RD.)	FROM SR 1842 (BROWNS CHURCH RD) TO SR 1746 (KEENER RD.) MP 0.000 - MP 4.650 NO WORK ON BRIDGE 181 - MP 1.800 - MP 1.928	6	2	2WU	NO	NO	4.65	18.5	186.00			93	9.30				1,000	410	4,268	10			275			1	1
<b>TOTAL FOR MAP NO. 4</b>										<b>4.65</b>		<b>186.00</b>			<b>93</b>	<b>9.30</b>				<b>1,000</b>	<b>410</b>	<b>4,268</b>	<b>10</b>			<b>275</b>			<b>1</b>	<b>1</b>
2017CPT.03.02.20821	Sampson	5	SR 1742 (MCCULLEN RD.)	FROM SR 1746 (KEENER RD.) TO SR 1731 (GOSHEN CHURCH RD.) MP 5.854 - MP 9.989 - NO ASPHALT WORK ON BRIDGE 233 (MP 8.854 - MP 8.904)	6,7	2	2WU	NO	NO	4.135	19.25	165.40			82	8.27				888	240	3,958				248	19,086	6,685	1	1
<b>TOTAL FOR MAP NO. 5</b>										<b>4.135</b>		<b>165.40</b>			<b>82</b>	<b>8.27</b>				<b>888</b>	<b>240</b>	<b>3,958</b>				<b>248</b>	<b>19,086</b>	<b>6,685</b>	<b>1</b>	<b>1</b>
2017CPT.03.02.20821	Sampson	6	SR 1441 (WELCOME SCHOOL RD.)	FROM SR 1006 (MAXWELL RD.) TO US 13 [MP 2.420 - MP 6.550]	6	2	2WU	NO	NO	4.13	20.5	165.00			82	8.26				777		4,198	65			256			1	1
<b>TOTAL FOR MAP NO. 6</b>										<b>4.13</b>		<b>165.00</b>			<b>82</b>	<b>8.26</b>				<b>777</b>		<b>4,198</b>	<b>65</b>			<b>256</b>			<b>1</b>	<b>1</b>
2017CPT.03.02.20821	Sampson	7	SR 1729 (BILL WALTERS RD.)	FROM NC 50 TO SR 1725 (GIDDENSVILLE RD.) MP 0.000 - MP 1.800	6	2	2WU	NO	NO	1.8	20	72.00			36	3.60				222	270	1,785	65			123			1	1
<b>TOTAL FOR MAP NO. 7</b>										<b>1.8</b>		<b>72.00</b>			<b>36</b>	<b>3.60</b>				<b>222</b>	<b>270</b>	<b>1,785</b>	<b>65</b>			<b>123</b>			<b>1</b>	<b>1</b>
2017CPT.03.02.20821	Sampson	8	SR 1342 (WORLEY RD.)	FROM NC 242 TO SR 1006 (MAXWELL RD.) MP 0.000 - MP 0.810	6	2	2WU	NO	NO	0.81	20	32.40			16	1.62				222		803				48			1	1
<b>TOTAL FOR MAP NO. 8</b>										<b>0.81</b>		<b>32.40</b>			<b>16</b>	<b>1.62</b>				<b>222</b>		<b>803</b>				<b>48</b>			<b>1</b>	<b>1</b>
<b>TOTAL FOR PROJ NO. 2017CPT.03.02.20821</b>										<b>16.355</b>		<b>645.80</b>			<b>325</b>	<b>32.71</b>				<b>3,331</b>	<b>1,401</b>	<b>16,004</b>	<b>140</b>			<b>1,031</b>	<b>19,086</b>	<b>6,685</b>	<b>6</b>	<b>6</b>
44735	Sampson	9	S. FAYETTEVILLE ST.	FROM SR 1409 TO HOWARD ST.	8	2	2WU	NO	NO	0.264	20			2.50											225	10	16		40	
<b>TOTAL FOR MAP NO. 9</b>										<b>0.264</b>				<b>2.50</b>												<b>225</b>	<b>10</b>	<b>16</b>		<b>40</b>
44735	Sampson	10	S. FAYETTEVILLE ST.	FROM HOWARD ST. TO SR 1233	9	2	2WU	NO	NO	0.268	28														334	22				
<b>TOTAL FOR MAP NO. 10</b>										<b>0.268</b>																<b>334</b>	<b>22</b>			
44735	Sampson	11	N. FAYETTEVILLE ST.	FROM JACKSON ST. TO W. PINE ST.	9	2	2WU	NO	NO	0.047	30														63	4				
<b>TOTAL FOR MAP NO. 11</b>										<b>0.047</b>																<b>63</b>	<b>4</b>			
44735	Sampson	12	N. FAYETTEVILLE ST.	FROM W. PINE ST. TO SR 1499	8	2	2WU	NO	NO	0.191	20			1.92											170	11				
<b>TOTAL FOR MAP NO. 12</b>										<b>0.191</b>				<b>1.92</b>												<b>170</b>	<b>11</b>			
44735	Sampson	13	JONES ST.	FROM CHURCH ST. TO SR 1492	8	2	2WU	NO	NO	0.169	20			1.70											151	10				
<b>TOTAL FOR MAP NO. 13</b>										<b>0.169</b>				<b>1.70</b>												<b>151</b>	<b>10</b>			
44735	Sampson	14	PARKER ST.	FROM W. TURLINGTON ST. TO W. PINE ST.	8	2	2WU	NO	NO	0.11	18 - 19			2.20											90	6				
<b>TOTAL FOR MAP NO. 14</b>										<b>0.11</b>				<b>2.20</b>												<b>90</b>	<b>6</b>			
44735	Sampson	15	GORDON ST.	FROM SR 1233 TO DEAD END	8	2	2WU	NO	NO	0.106	20			1.06											95	6				
<b>TOTAL FOR MAP NO. 15</b>										<b>0.106</b>				<b>1.06</b>												<b>95</b>	<b>6</b>			
44735	Sampson	16	SESSOMS ST.	FROM SR 1322 TO BESIN ROCK RD.	8	2	2WU	NO	NO	0.041	20			0.41											37	2				
<b>TOTAL FOR MAP NO. 16</b>										<b>0.041</b>				<b>0.41</b>												<b>37</b>	<b>2</b>			
44735	Sampson	17	BRADLEY ST.	FROM SR 1323 TO COOPER ST.	8	2	2WU	NO	NO	0.152	18			1.52											122	8				
<b>TOTAL FOR MAP NO. 17</b>										<b>0.152</b>				<b>1.52</b>												<b>122</b>	<b>8</b>			
44735	Sampson	18	COOPER ST.	FROM BRADLEY ST. TO SR 1323	8	2	2WU	NO	NO	0.091	19			0.91											77	5				
<b>TOTAL FOR MAP NO. 18</b>										<b>0.091</b>				<b>0.91</b>												<b>77</b>	<b>5</b>			
44735	Sampson	19	TEW LOOP	FROM NC 242 TO NC 242	8	2	2WU	NO	NO	0.133	18			1.33											107	7				
<b>TOTAL FOR MAP NO. 19</b>										<b>0.133</b>				<b>1.33</b>												<b>107</b>	<b>7</b>			
44735	Sampson	20	GOODRICH ST.	FROM CHURCH ST. TO W. TURLINGTON ST.	8	2	2WU	NO	NO	0.116	19			1.16											98	7				
<b>TOTAL FOR MAP NO. 20</b>										<b>0.116</b>				<b>1.16</b>												<b>98</b>	<b>7</b>			

\* NOT A PAY ITEM. INCIDENTAL TO SHOULDER RECONSTRUCTION. SEE NOTES TO CONTRACTOR.

PROJECT NO.	SHEET NO.
2017CPT.03.02.10821, 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	BORROW EXC. (STATE FURNISHED) * CY	BORROW EXC. CY	AGGREGATE SHOULDER BORROW TON	INC. STONE BASE TONS	SHOULDER RECONST. (STATE FURN. BORROW) SMI	SHOULDER RECONST. SMI	1 1/2" MILLING SY	0" - 2" MILLING SY	INC. MILLING SY	BASE COURSE, B25.0B TONS	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, MATCOAT, #67 STONE (GRANITE) SY	EMULSION FOR ASPHALT SURFACE TREATMENT GAL	PATCHING EXISTING PAVEMENT (FULL DEPTH) TON	PATCHING EXISTING PAVEMENT (MILL) TON	
44735	Sampson	21	HALL ST.	FROM SR 1409 TO S. FAYETTEVILLE ST.	8	2	2WU	NO	NO	0.118	18		1.18				0.24							95		6					
<b>TOTAL FOR MAP NO. 21</b>										<b>0.118</b>			<b>1.18</b>				<b>0.24</b>							<b>95</b>		<b>6</b>					
44735	Sampson	22	MATTHEW ST.	FROM NC 242 TO FAYETTEVILLE ST.	8	2	2WU	NO	NO	0.122	18		1.22				0.24							98		7					
<b>TOTAL FOR MAP NO. 22</b>										<b>0.122</b>			<b>1.22</b>				<b>0.24</b>							<b>98</b>		<b>7</b>					
44735	Sampson	23	HOWARD ST.	FROM NC 242 TO S. FAYETTEVILLE ST.	8	2	2WU	NO	NO	0.117	20		1.17				0.23							104		7					
<b>TOTAL FOR MAP NO. 23</b>										<b>0.117</b>			<b>1.17</b>				<b>0.23</b>							<b>104</b>		<b>7</b>					
44735	Sampson	24	W. CLINTON ST.	FROM NC 242 TO SR 1492	8	2	2WU	NO	NO	0.123	28		1.23				0.25							153		10					
<b>TOTAL FOR MAP NO. 24</b>										<b>0.123</b>			<b>1.23</b>				<b>0.25</b>							<b>153</b>		<b>10</b>					
44735	Sampson	25	CHURCH ST.	FROM NC 242 TO SR 1492	8	2	2WU	NO	NO	0.095	18		0.95				0.19							76		5					
<b>TOTAL FOR MAP NO. 25</b>										<b>0.095</b>			<b>0.95</b>				<b>0.19</b>							<b>76</b>		<b>5</b>					
44735	Sampson	26	HOLLAND ST.	FROM NC 242 TO GOODRICH ST.	8	2	2WU	NO	NO	0.057	19		0.57				0.11							48		3					
<b>TOTAL FOR MAP NO. 26</b>										<b>0.057</b>			<b>0.57</b>				<b>0.11</b>							<b>48</b>		<b>3</b>					
44735	Sampson	27	W. TURLINGTON ST.	FROM NC 242 TO SR 1492	8	2	2WU	NO	NO	0.324	18 - 19		3.24				0.65							265		18					
<b>TOTAL FOR MAP NO. 27</b>										<b>0.324</b>			<b>3.24</b>				<b>0.65</b>							<b>265</b>		<b>18</b>					
44735	Sampson	28	JACKSON ST.	FROM NC 242 TO SR 1492	8	2	2WU	NO	NO	0.097	19		0.97				0.19							82		5					
<b>TOTAL FOR MAP NO. 28</b>										<b>0.097</b>			<b>0.97</b>				<b>0.19</b>							<b>82</b>		<b>5</b>					
44735	Sampson	29	W. PINE ST.	FROM NC 242 TO N. FAYETTEVILLE ST.	8	2	2WU	NO	NO	0.35	18 - 26		3.50				0.70							317		21					
<b>TOTAL FOR MAP NO. 29</b>										<b>0.35</b>			<b>3.50</b>				<b>0.70</b>							<b>317</b>		<b>21</b>					
44735	Sampson	30	CHURCH ST.	FROM SR 1492 TO JONES ST.	8	2	2WU	NO	NO	0.229	19		2.29				0.46							194		13					
<b>TOTAL FOR MAP NO. 30</b>										<b>0.229</b>			<b>2.29</b>				<b>0.46</b>							<b>194</b>		<b>13</b>					
44735	Sampson	31	E. CLINTON ST.	FROM SR 1233 TO NC 242	8	2	2WU	NO	NO	0.32	19		3.20				0.64							271	10	19					
<b>TOTAL FOR MAP NO. 31</b>										<b>0.32</b>			<b>3.20</b>				<b>0.64</b>							<b>271</b>	<b>10</b>	<b>19</b>					
44735	Sampson	32	E. TURLINGTON ST.	FROM NC 242 TO SR 1323	8	2	2WU	NO	NO	0.081	20		0.81				0.16							72		5					
<b>TOTAL FOR MAP NO. 32</b>										<b>0.081</b>			<b>0.81</b>				<b>0.16</b>							<b>72</b>		<b>5</b>					
44735	Sampson	33	E. PINE ST.	FROM NC 242 TO SR 1323	8	2	2WU	NO	NO	0.174	20		1.74				0.35							155		10					
<b>TOTAL FOR MAP NO. 33</b>										<b>0.174</b>			<b>1.74</b>				<b>0.35</b>							<b>155</b>		<b>10</b>					
<b>TOTAL FOR PROJ NO. 44735</b>										<b>3.895</b>			<b>36.78</b>		<b>50</b>		<b>7.16</b>							<b>3,499</b>	<b>20</b>	<b>233</b>			<b>40</b>		
<b>GRAND TOTAL</b>										<b>30</b>		<b>* 645.8</b>	<b>36.78</b>	<b>520</b>	<b>519</b>	<b>32.71</b>	<b>21.90</b>	<b>88,537</b>	<b>9,650</b>	<b>3,881</b>	<b>1,431</b>	<b>29,078</b>	<b>255</b>	<b>3,499</b>	<b>20</b>	<b>2,057</b>	<b>71,446</b>	<b>25,015</b>	<b>171</b>	<b>656</b>	

\* NOT A PAY ITEM. INCIDENTAL TO SHOULDER RECONSTRUCTION. SEE NOTES TO CONTRACTOR.



PROJECT NO.	SHEET NO.
2017CPT.03.02.10821, ETC.	19

### SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	REMOVE & REPLACE 4" SIDEWALK SY	2'-6" CURB & GUTTER, REMOVE & REPLACE LF	REMOVE AND REPLACE CURB RAMP EA	ADJ. OF DROP INLET EA	ADJ. OF MANHOLES EA	ADJ. OF METER OR VALVE BOX EA	ADD GR POSTS EA	REMOVE & RESET EXISTING GR LF	REMOVE & REPLACE EXISTING GR LF	TEMP. SILT FENCE LF	STONE FOR EC CLASS B TON	SEDIMENT CONTROL STONE TON	TEMP. MULCHING ACR	SEED FOR TEMP. SEEDING LBS	FERTILIZER FOR TEMP. SEEDING TON	MATTING FOR EROSION CONTROL SY	1/4" HARDWARE CLOTH LF	WATTLE LF	SEED & MULCHING AC	SEED FOR REPAIR SEEDING LB		
44735	Sampson	21	HALL ST.	FROM SR 1409 TO S. FAYETTEVILLE ST.	8	2	2WU	NO						2																
<b>TOTAL FOR MAP NO. 21</b>														2																
44735	Sampson	22	MATTHEW ST.	FROM NC 242 TO FAYETTEVILLE ST.	8	2	2WU	NO						2																
<b>TOTAL FOR MAP NO. 22</b>														2																
44735	Sampson	23	HOWARD ST.	FROM NC 242 TO S. FAYETTEVILLE ST.	8	2	2WU	NO																						
<b>TOTAL FOR MAP NO. 23</b>																														
44735	Sampson	24	W. CLINTON ST.	FROM NC 242 TO SR 1492	8	2	2WU	NO																						
<b>TOTAL FOR MAP NO. 24</b>																														
44735	Sampson	25	CHURCH ST.	FROM NC 242 TO SR 1492	8	2	2WU	NO																						
<b>TOTAL FOR MAP NO. 25</b>																														
44735	Sampson	26	HOLLAND ST.	FROM NC 242 TO GOODRICH ST.	8	2	2WU	NO																						
<b>TOTAL FOR MAP NO. 26</b>																														
44735	Sampson	27	W. TURLINGTON ST.	FROM NC 242 TO SR 1492	8	2	2WU	NO																						
<b>TOTAL FOR MAP NO. 27</b>																														
44735	Sampson	28	JACKSON ST.	FROM NC 242 TO SR 1492	8	2	2WU	NO																						
<b>TOTAL FOR MAP NO. 28</b>																														
44735	Sampson	29	W. PINE ST.	FROM NC 242 TO N. FAYETTEVILLE ST.	8	2	2WU	NO																						
<b>TOTAL FOR MAP NO. 29</b>																														
44735	Sampson	30	CHURCH ST.	FROM SR 1492 TO JONES ST.	8	2	2WU	NO																						
<b>TOTAL FOR MAP NO. 30</b>																														
44735	Sampson	31	E. CLINTON ST.	FROM SR 1233 TO NC 242	8	2	2WU	NO																						
<b>TOTAL FOR MAP NO. 31</b>																														
44735	Sampson	32	E. TURLINGTON ST.	FROM NC 242 TO SR 1323	8	2	2WU	NO																						
<b>TOTAL FOR MAP NO. 32</b>																														
44735	Sampson	33	E. PINE ST.	FROM NC 242 TO SR 1323	8	2	2WU	NO																						
<b>TOTAL FOR MAP NO. 33</b>																														
<b>TOTAL FOR PROJ NO. 44735</b>															9							25					10	0.19		
<b>GRAND TOTAL</b>									12	110	1	4	12	30	10.00	2,400.00	100.00	4,065	1,012	1,012	17.38	2,021	12.14	310	2,021	660	17.67	2,021		





PROJECT NO.	SHEET NO.
2017CPT.03.02.10821, ETC.	21

## SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	FERTILIZER FOR REPAIR SEEDING	RESPONSE FOR EROSION CONTROL	UNPAVED TRENCHING (1 CONDUIT, 2 INCH)	DIRECTIONAL DRILL (1 CONDUIT, 2 INCH)	JUNCTION BOX (STANDARD SIZE)	INDUCTIVE LOOP SAWCUT	LEAD-IN CABLE (14-2)
									TON	EA	LF	LF	EA	LF	LF
44735	Sampson	21	HALL ST.	FROM SR 1409 TO S. FAYETTEVILLE ST.	8	2	2WU	NO							
<b>TOTAL FOR MAP NO. 21</b>															
44735	Sampson	22	MATTHEW ST.	FROM NC 242 TO FAYETTEVILLE ST.	8	2	2WU	NO							
<b>TOTAL FOR MAP NO. 22</b>															
44735	Sampson	23	HOWARD ST.	FROM NC 242 TO S. FAYETTEVILLE ST.	8	2	2WU	NO							
<b>TOTAL FOR MAP NO. 23</b>															
44735	Sampson	24	W. CLINTON ST.	FROM NC 242 TO SR 1492	8	2	2WU	NO							
<b>TOTAL FOR MAP NO. 24</b>															
44735	Sampson	25	CHURCH ST.	FROM NC 242 TO SR 1492	8	2	2WU	NO							
<b>TOTAL FOR MAP NO. 25</b>															
44735	Sampson	26	HOLLAND ST.	FROM NC 242 TO GOODRICH ST.	8	2	2WU	NO							
<b>TOTAL FOR MAP NO. 26</b>															
44735	Sampson	27	W. TURLINGTON ST.	FROM NC 242 TO SR 1492	8	2	2WU	NO							
<b>TOTAL FOR MAP NO. 27</b>															
44735	Sampson	28	JACKSON ST.	FROM NC 242 TO SR 1492	8	2	2WU	NO							
<b>TOTAL FOR MAP NO. 28</b>															
44735	Sampson	29	W. PINE ST.	FROM NC 242 TO N. FAYETTEVILLE ST.	8	2	2WU	NO							
<b>TOTAL FOR MAP NO. 29</b>															
44735	Sampson	30	CHURCH ST.	FROM SR 1492 TO JONES ST.	8	2	2WU	NO							
<b>TOTAL FOR MAP NO. 30</b>															
44735	Sampson	31	E. CLINTON ST.	FROM SR 1233 TO NC 242	8	2	2WU	NO							
<b>TOTAL FOR MAP NO. 31</b>															
44735	Sampson	32	E. TURLINGTON ST.	FROM NC 242 TO SR 1323	8	2	2WU	NO							
<b>TOTAL FOR MAP NO. 32</b>															
44735	Sampson	33	E. PINE ST.	FROM NC 242 TO SR 1323	8	2	2WU	NO							
<b>TOTAL FOR MAP NO. 33</b>															
<b>TOTAL FOR PROJ NO. 44735</b>															
<b>GRAND TOTAL</b>															
									10.29	21	100	45	4	1,300	1,260





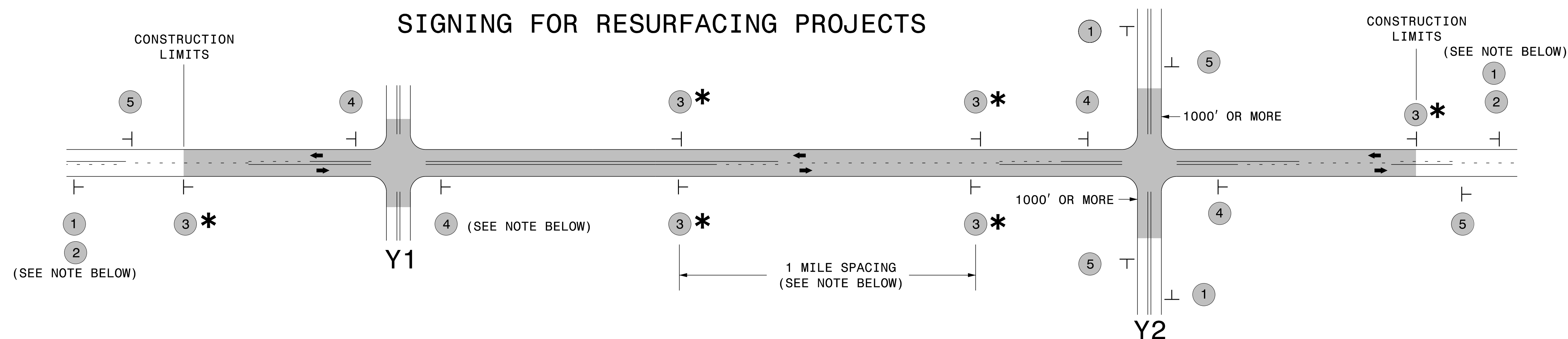


PROJECT NO.	SHEET NO.
2017CPT.03.02.10821, ETC.	25

**THERMOPLASTIC AND PAINT QUANTITIES**

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	LENGTH	WIDTH	4810000000-E		4820000000-E	4835000000-E	4840000000-N	4845000000-N				4847000000-E		4850000000-E	4900000000-N	4905000000-N			
										4" WHITE PAINT	4" YELLOW PAINT	8" WHITE PAINT	24" WHITE PAINT	PAINT MSG ONLY	PAINT LT ARROW	PAINT STR & RT ARROW	PAINT YIELD LINE TRIANGLE	PAINT STR ARROW	4" WHITE POLYUREA (HIGHLY REFLECTIVE ELEMENTS)	4" YELLOW POLYUREA (HIGHLY REFLECTIVE ELEMENTS)	REMOVAL OF PAVEMENT MARKING LINES (4")	YELLOW & YELLOW MARKERS	SNOW PLOWABLE MARKERS (Y/Y)	SNOW PLOWABLE MARKERS (C/R)		
										LF	LF	LF	LF	EA	EA	EA	EA	EA	LF	LF	LF	EA	EA	EA		
44735	Sampson	21	HALL ST.	FROM SR 1409 TO S. FAYETTEVILLE ST.	8	2	2WU	0.118	18																	
<b>TOTAL FOR MAP NO. 21</b>																										
44735	Sampson	22	MATTHEW ST.	FROM NC 242 TO FAYETTEVILLE ST.	8	2	2WU	0.122	18																	
<b>TOTAL FOR MAP NO. 22</b>																										
44735	Sampson	23	HOWARD ST.	FROM NC 242 TO S. FAYETTEVILLE ST.	8	2	2WU	0.117	20																	
<b>TOTAL FOR MAP NO. 23</b>																										
44735	Sampson	24	W. CLINTON ST.	FROM NC 242 TO SR 1492	8	2	2WU	0.123	28																	
<b>TOTAL FOR MAP NO. 24</b>																										
44735	Sampson	25	CHURCH ST.	FROM NC 242 TO SR 1492	8	2	2WU	0.095	18																	
<b>TOTAL FOR MAP NO. 25</b>																										
44735	Sampson	26	HOLLAND ST.	FROM NC 242 TO GOODRICH ST.	8	2	2WU	0.057	19																	
<b>TOTAL FOR MAP NO. 26</b>																										
44735	Sampson	27	W. TURLINGTON ST.	FROM NC 242 TO SR 1492	8	2	2WU	0.324	18 - 19																	
<b>TOTAL FOR MAP NO. 27</b>																										
44735	Sampson	28	JACKSON ST.	FROM NC 242 TO SR 1492	8	2	2WU	0.097	19																	
<b>TOTAL FOR MAP NO. 28</b>																										
44735	Sampson	29	W. PINE ST.	FROM NC 242 TO N. FAYETTEVILLE ST.	8	2	2WU	0.35	18 - 26																	
<b>TOTAL FOR MAP NO. 29</b>																										
44735	Sampson	30	CHURCH ST.	FROM SR 1492 TO JONES ST.	8	2	2WU	0.229	19																	
<b>TOTAL FOR MAP NO. 30</b>																										
44735	Sampson	31	E. CLINTON ST.	FROM SR 1233 TO NC 242	8	2	2WU	0.32	19																	
<b>TOTAL FOR MAP NO. 31</b>																										
44735	Sampson	32	E. TURLINGTON ST.	FROM NC 242 TO SR 1323	8	2	2WU	0.081	20																	
<b>TOTAL FOR MAP NO. 32</b>																										
44735	Sampson	33	E. PINE ST.	FROM NC 242 TO SR 1323	8	2	2WU	0.174	20																	
<b>TOTAL FOR MAP NO. 33</b>																										
<b>TOTAL FOR PROJ NO. 44735</b>																										
<b>GRAND TOTAL</b>																										
									30,000																	
										60,506	53,189	3,162	228	4	3	2	14	3	340	215	555	36	1,886	22		
										113,695						22		555				1,908				

## SIGNING FOR RESURFACING PROJECTS



LEGEND	
┆	STATIONARY SIGN
←	DIRECTION OF TRAFFIC FLOW

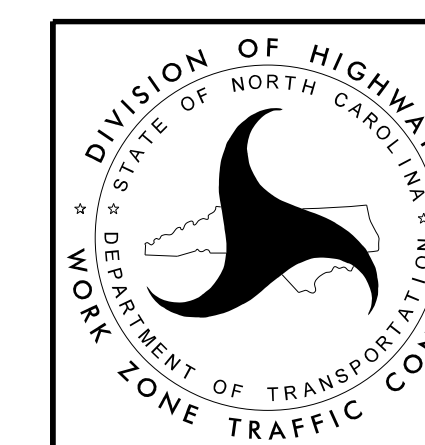
### MAINLINE (-L-) SIGNING

### -Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION		
1 2		<p style="text-align: center;"><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 style="text-align: center;">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;"> </div> <div style="text-align: center;"> </div> </div> <p style="text-align: center;">PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p>
3 *		
4		
5		

### \* 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).

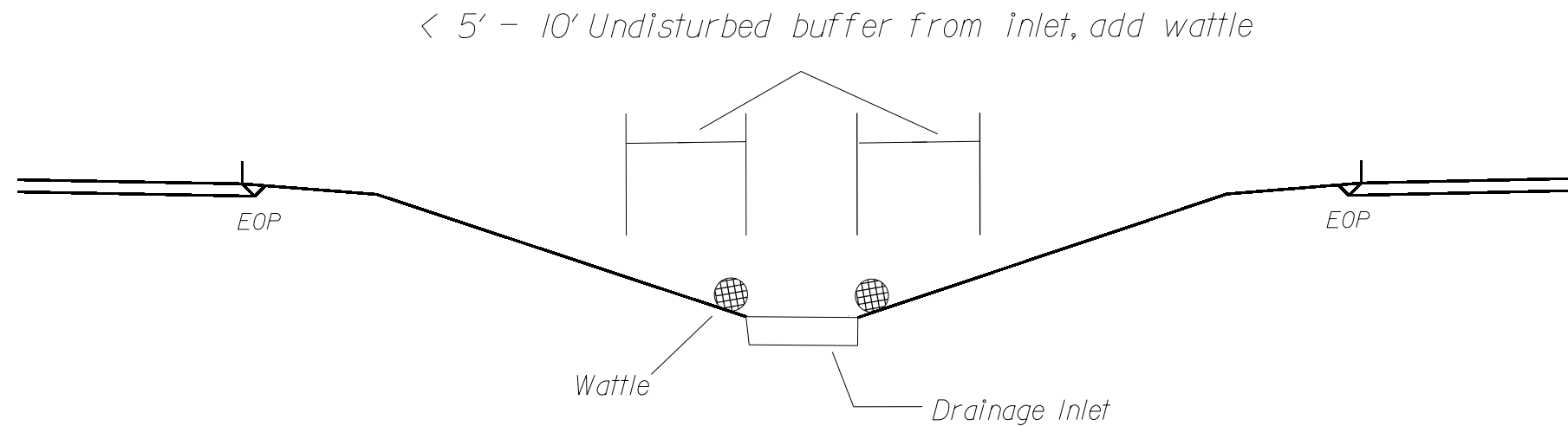
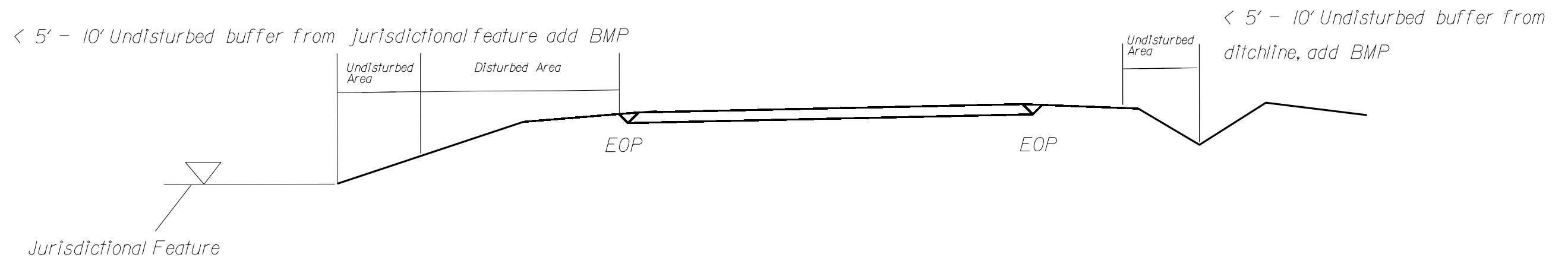
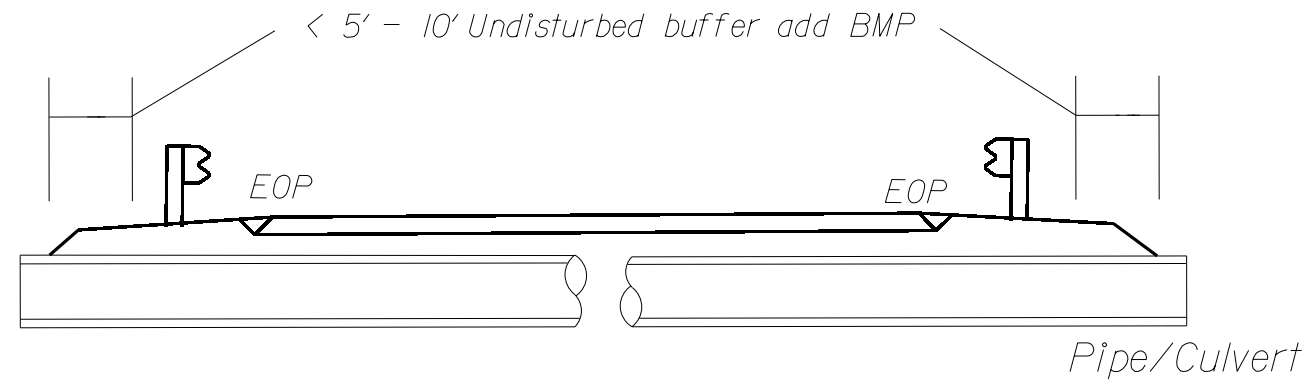


**RESURFACING  
ADVANCE WARNING SIGNS  
FOR  
RURAL AND SUBURBAN  
2 LANE ROADWAYS**

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

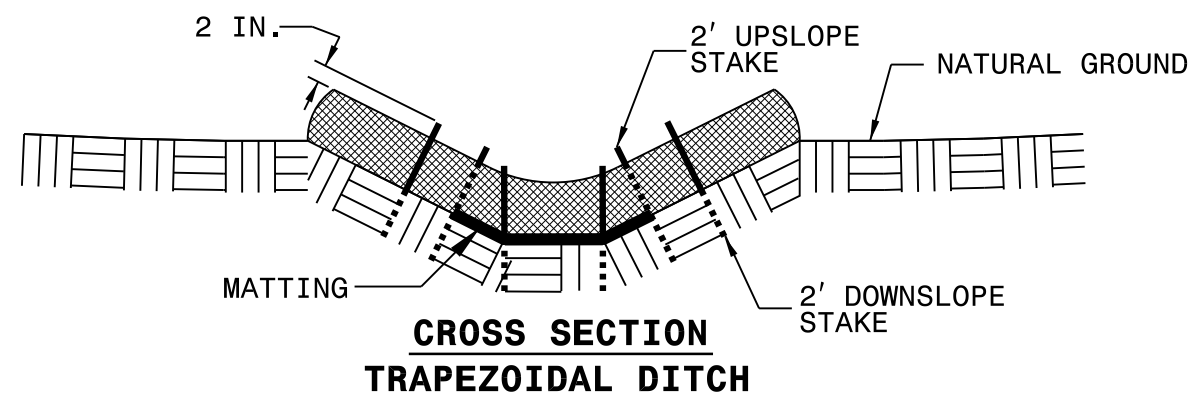
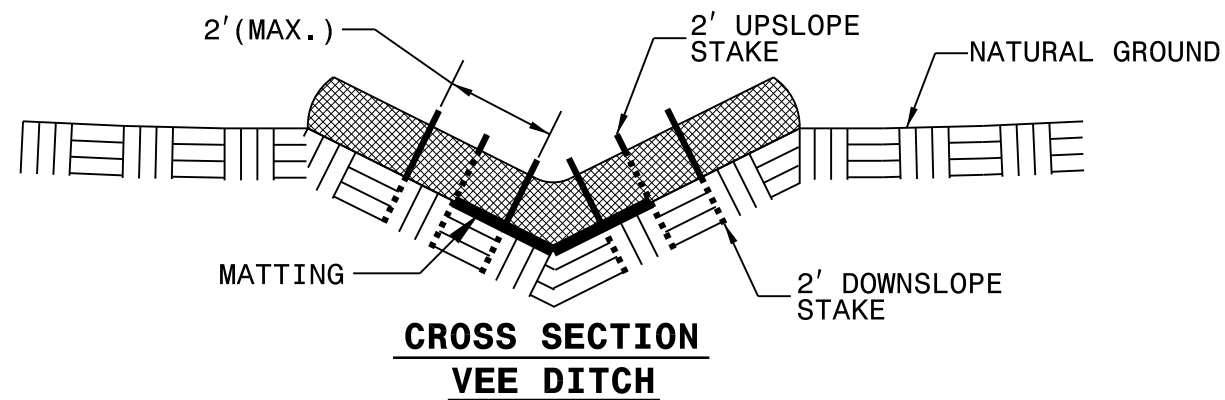
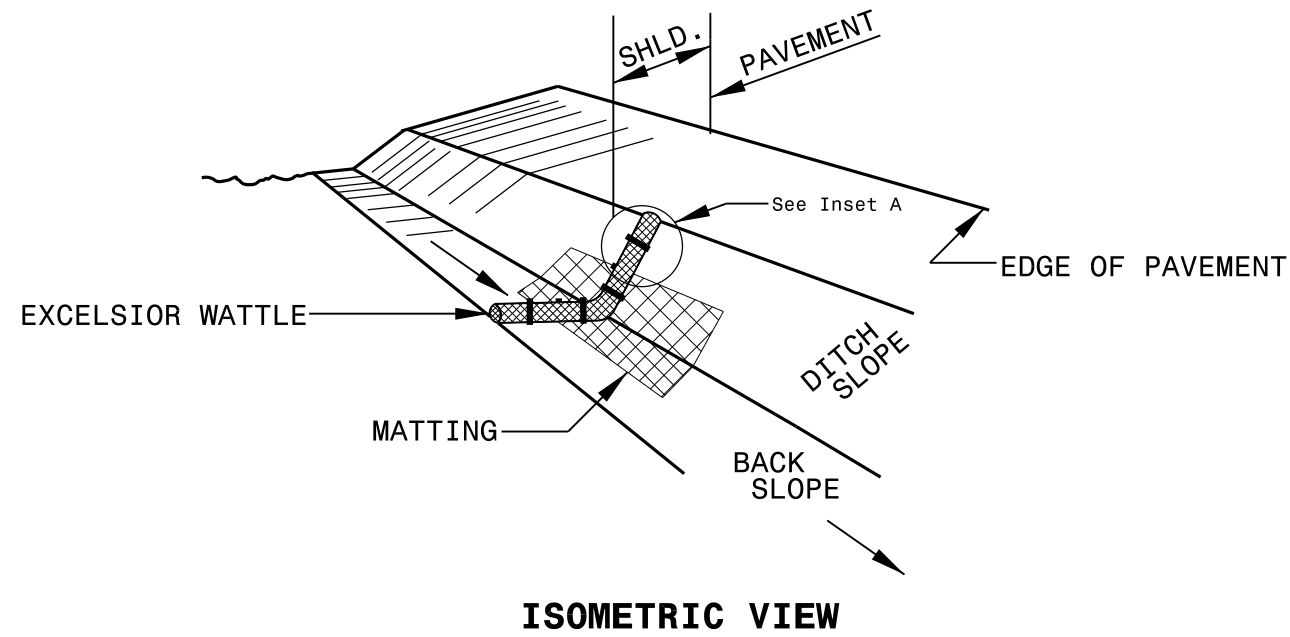
BMP Options: Wattle or Silt Fence

# EROSION CONTROL DETAIL



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.

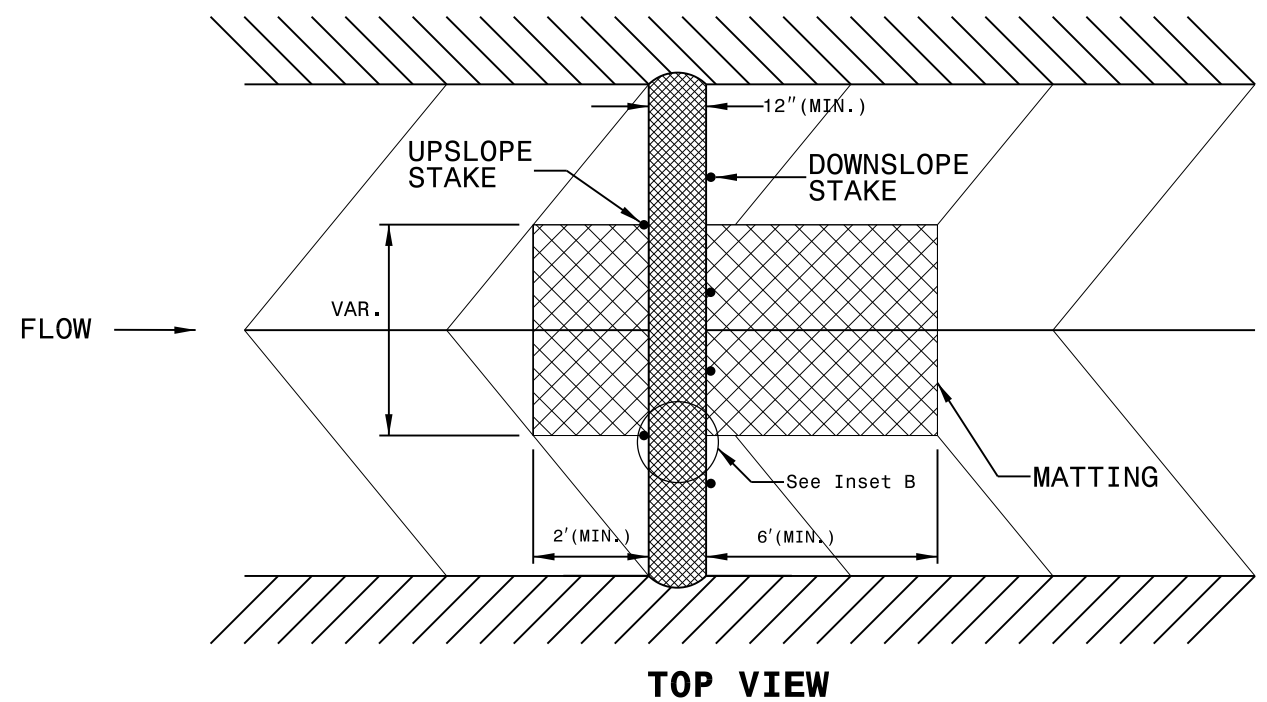
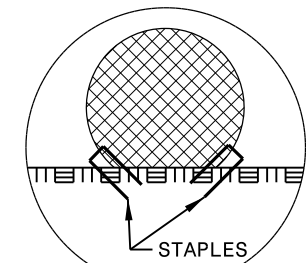
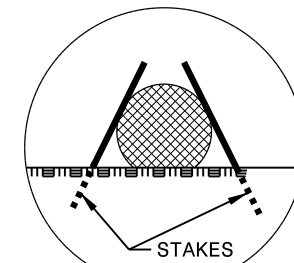
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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.





DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

---



---

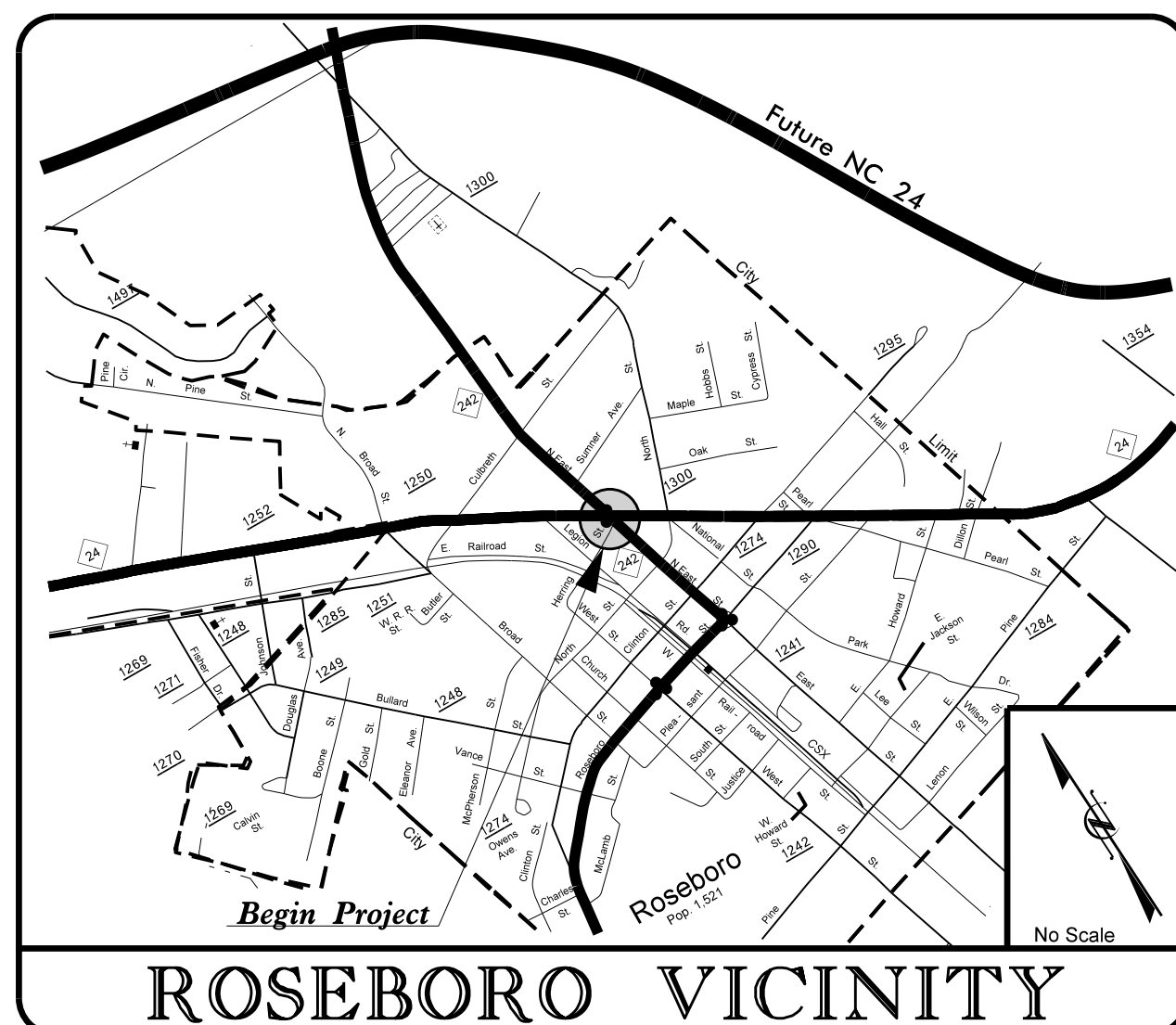
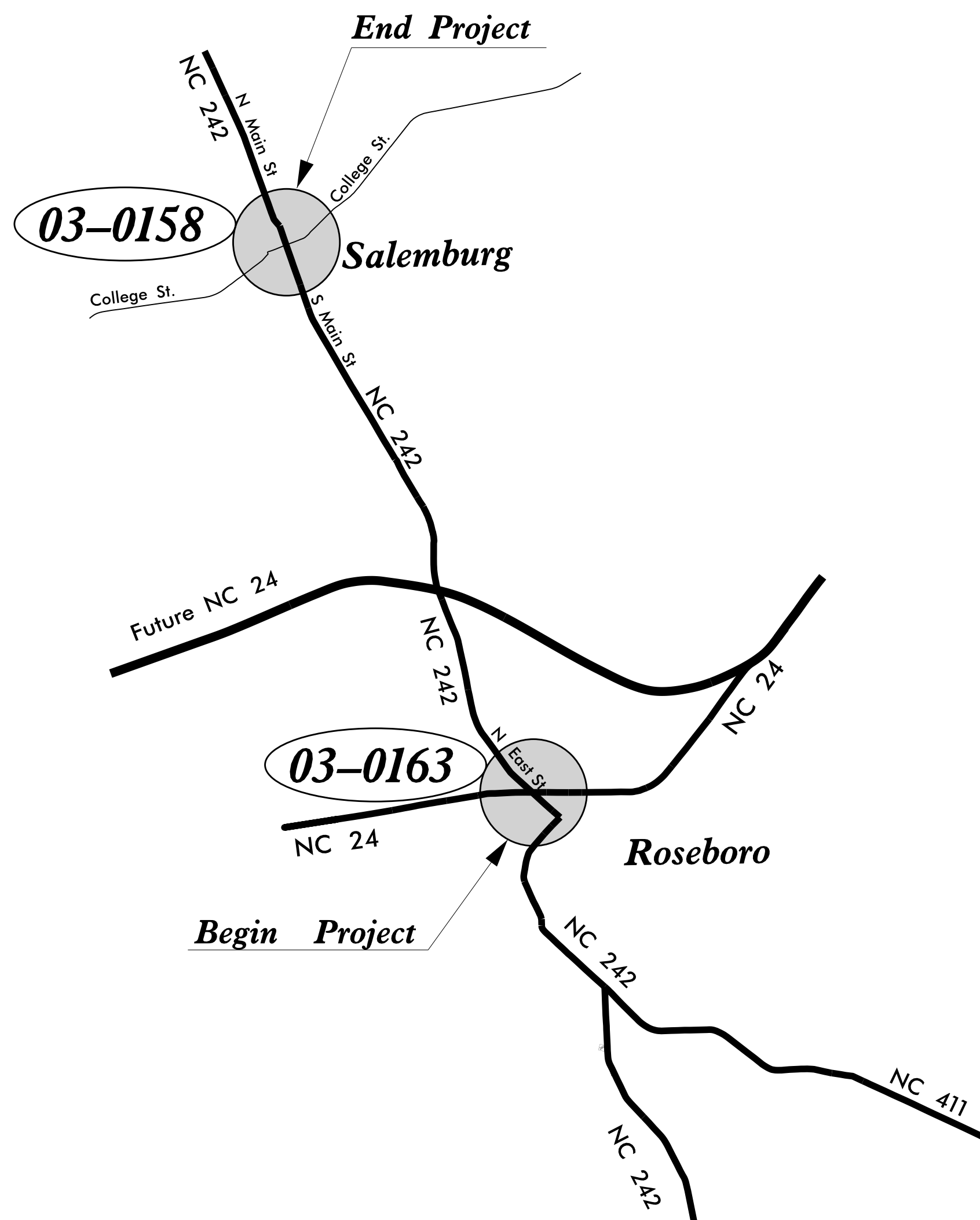
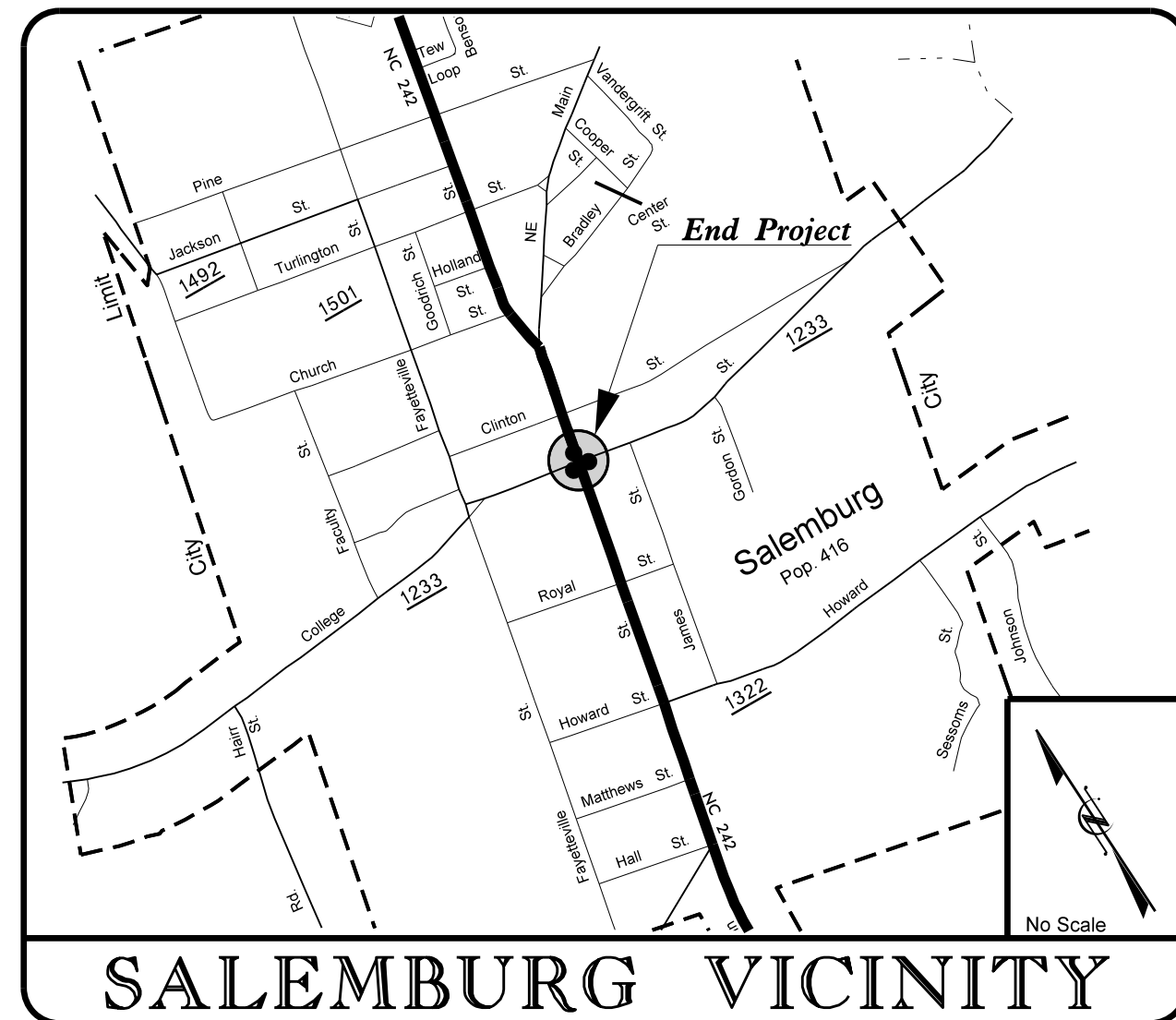
## ***SOIL STABILIZATION TIMEFRAMES***

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) 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 HOW ZONES.

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

# SAMPSON COUNTY

**LOCATION: NC 242 FROM NC 24 IN ROSEBORO TO SR 1233 (COLLEGE ST) IN SALEMBOURG**  
**TYPE OF WORK: TRAFFIC SIGNALS**



**Sampson County Resurfacing Project: 2017CPT.03.02.10821**

26-APR-2016 10:53 S:\ITS&SUNITS\Signal Design Section\Eastern Region\Div-03\03-0163\03-0163.TITLE SHEET...3CR.PE.dgn

**Index of Plans**

Sheet #	Reference #	Location/Description
Sig. 1.0	-----	Title Sheet
Sig. 2.0-2.1	03-0163	NC 242 (N East St) at NC 24
Sig. 3.0-3.1	03-0158	NC 242 (Main St) at College St

**Transportation Mobility and Safety Division**

Contacts:

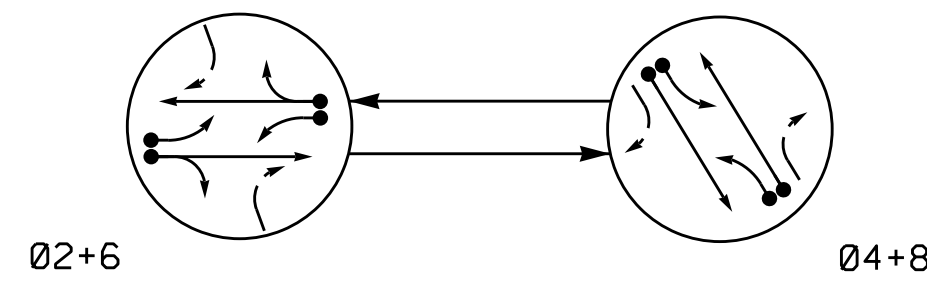
**Pamela Alexander, PE** - Eastern Region Signals Engineer  
**Keith M. Mims, PE** - Signal Equipment Design Engineer

Refer to "Roadway Standard Drawings NCDOT" dated January, 2012 and "Standard Specifications for Roads and Structures" dated January, 2012.

Prepared in the Office of:  
DIVISION OF HIGHWAYS  
TRANSPORTATION MOBILITY AND SAFETY  
DIVISION

750 N. Greenfield Parkway, Garner, NC 27529

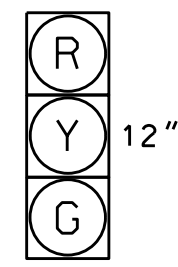
PHASING DIAGRAM



SIGNAL FACE	PHASE		
	02+6	04+8	FLASH
21,22	G	R	Y
41,42	R	G	R
61,62	G	R	Y
81,82	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



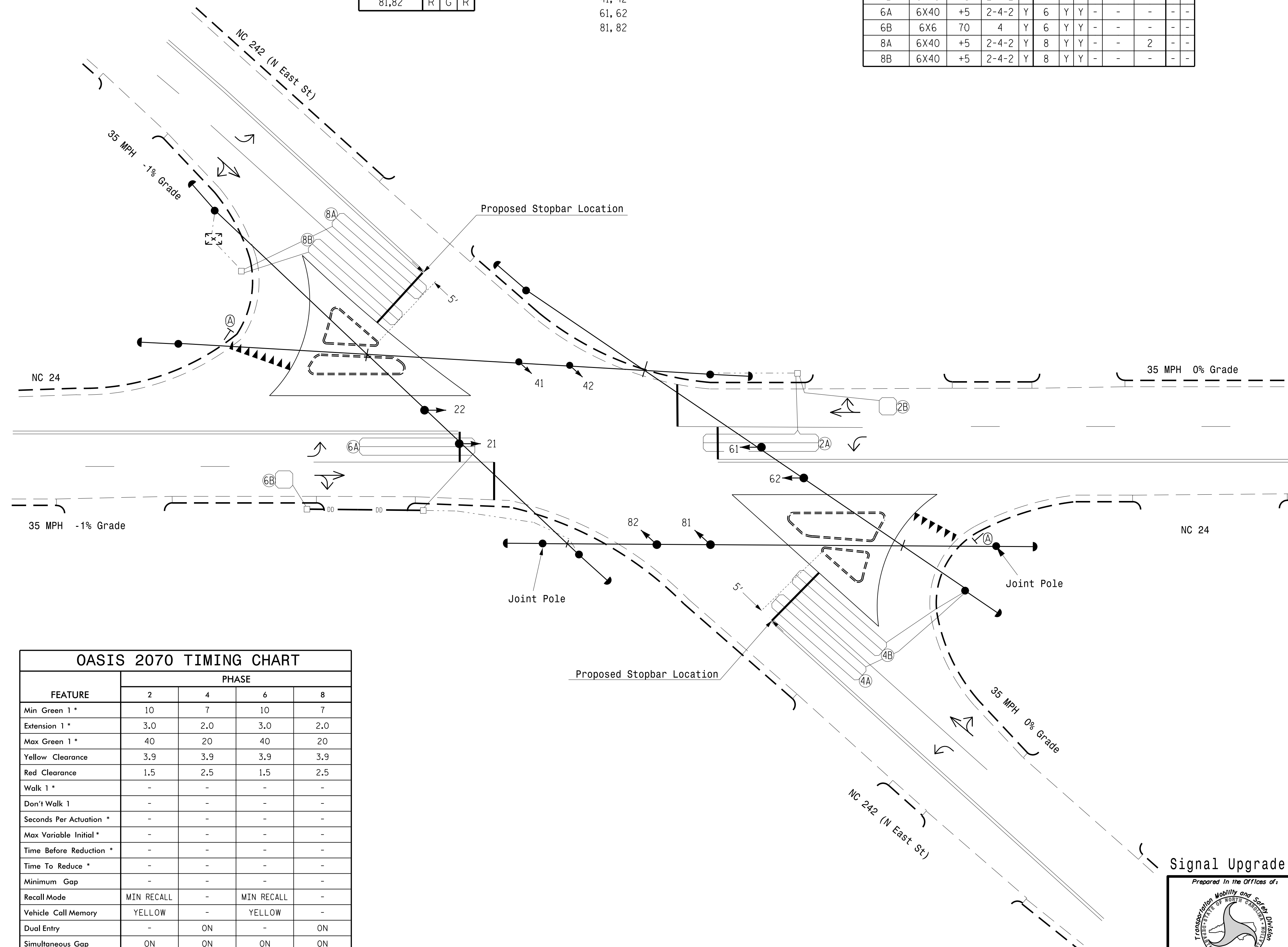
21, 22  
41, 42  
61, 62  
81, 82

LOOP	INDUCTIVE LOOPS			DETECTOR PROGRAMMING							
	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A	6X40	+5	2-4-2	Y	2	Y	Y	-	-	-	-
2B	6X6	70	4	Y	2	Y	Y	-	-	-	-
4A	6X40	+5	2-4-2	Y	4	Y	Y	-	-	2	-
4B	6X40	+5	2-4-2	Y	4	Y	Y	-	-	-	-
6A	6X40	+5	2-4-2	Y	6	Y	Y	-	-	-	-
6B	6X6	70	4	Y	6	Y	Y	-	-	-	-
8A	6X40	+5	2-4-2	Y	8	Y	Y	-	-	2	-
8B	6X40	+5	2-4-2	Y	8	Y	Y	-	-	-	-

2 Phase Fully Actuated Isolated

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Set all detector units to presence mode.



FEATURE	PHASE			
	2	4	6	8
Min Green 1 *	10	7	10	7
Extension 1 *	3.0	2.0	3.0	2.0
Max Green 1 *	40	20	40	20
Yellow Clearance	3.9	3.9	3.9	3.9
Red Clearance	1.5	2.5	1.5	2.5
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	MIN RECALL	-	MIN RECALL	-
Vehicle Call Memory	YELLOW	-	YELLOW	-
Dual Entry	-	ON	-	ON
Simultaneous Gap	ON	ON	ON	ON

\* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

PROPOSED	EXISTING
	N/A
N/A	
	N/A

Signal Upgrade

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NC 24 at NC 242 (N East Street)

Division 03 Sampson County Roseboro

PLAN DATE: February 2016 REVIEWED BY: PLA, PE

PREPARED BY: EM Minshew REVIEWED BY:

750 N. Greenfield Pkwy, Garner, NC 27529

SCALE 1"=20'

DATE 4/19/16

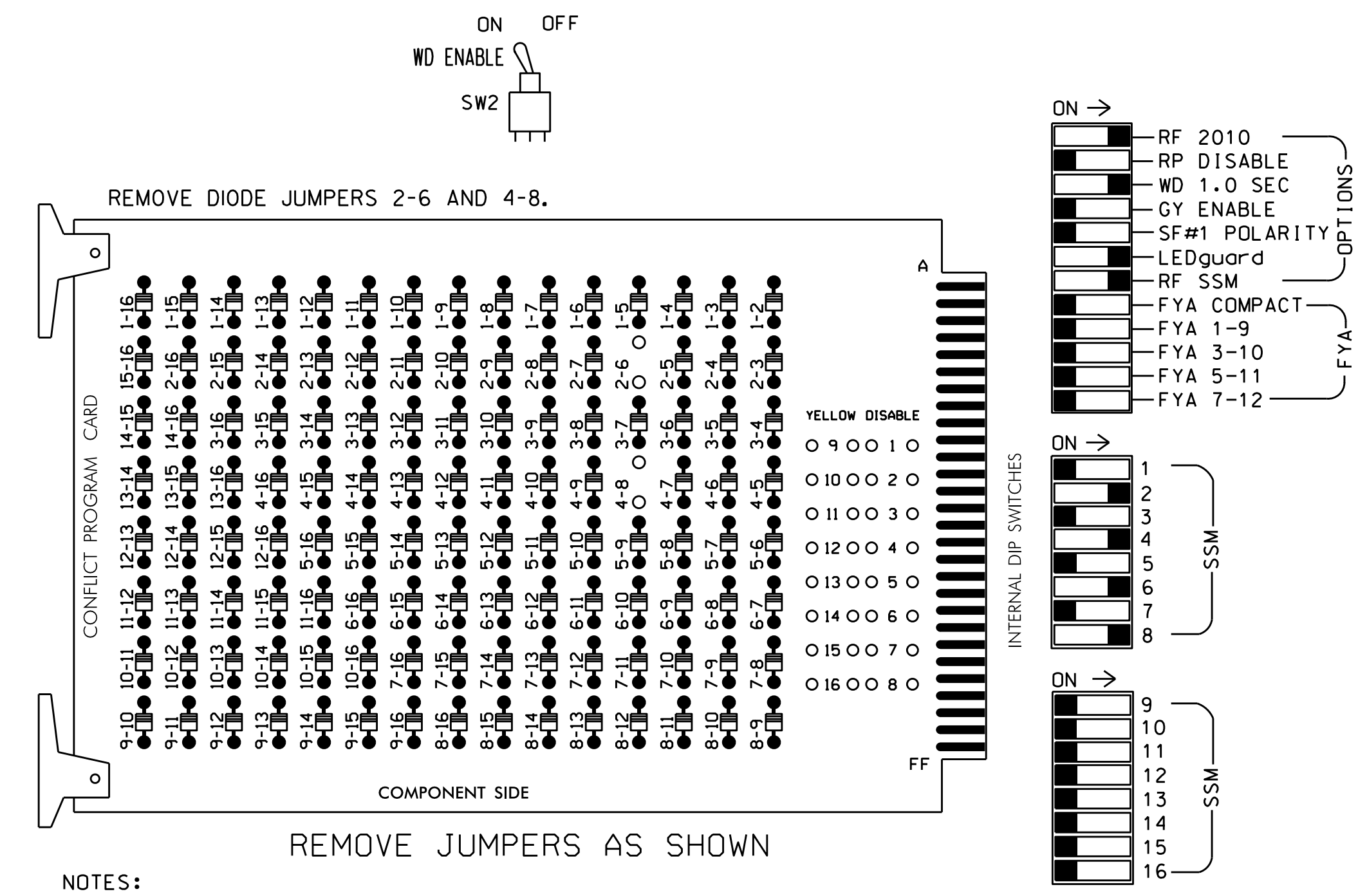
SIG. INVENTORY NO. 03-0163

2017-04-19 13:56  
 S:\IT\GIS\GIS\SIG\Signal\Signal\Region04\17-03\03-0163\030163.sig.dgn, 2016madd.dgn  
 emminshew



### EDI MODEL 2010ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



NOTES:

- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
- Make sure jumpers SEL2-SEL5 are present on the monitor board.

■ = DENOTES POSITION OF SWITCH

### NOTES

- To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the Signal Plans.
- Ensure that Red Enable is active at all times during normal operation. To prevent Red Failures on unused monitor channels, tie unused red monitor inputs 1,3,5,7,9,10,11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- Program phases 4 and 8 for Dual Entry.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for Start Up In Green.
- Program phases 2 and 6 for Yellow Flash.

### SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED
SIGNAL HEAD NO.	NU	21,22	NU	NU	41,42	NU	NU	61,62	NU	NU	81,82	NU
RED		128			101			134			107	
YELLOW		129			102			135			108	
GREEN		130			103			136			109	
RED ARROW												
YELLOW ARROW												
GREEN ARROW												

NU = Not Used

### EQUIPMENT INFORMATION

CONTROLLER.....2070L  
 CABINET.....332  
 SOFTWARE.....ECONOLITE OASIS  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...12  
 LOAD SWITCHES USED.....S2,S4,S6,S8  
 PHASES USED.....2,4,6,8  
 OVERLAPS.....NONE

### INPUT FILE POSITION LAYOUT

(front view)

FILE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅ 2	∅ 2	∅ 2	∅ 2	∅ 2	∅ 4	∅ 4	∅ 4	∅ 4	∅ 4	∅ 4	∅ 4	∅ 4	∅ 4
L	2A	2B				4A	4B							FS
U	∅ 6	∅ 6	∅ 6	∅ 6	∅ 6	∅ 8	∅ 8	∅ 8	∅ 8	∅ 8	∅ 8	∅ 8	∅ 8	ST
L	6A	6B				8A	8B							DC ISOLATOR

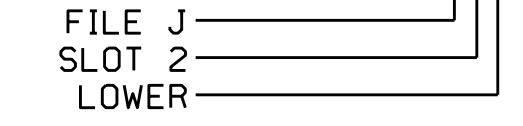
EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE  
 ST = STOP TIME

### INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
2A	TB2-5,6	I2U	39	1	2	2	Y	Y			
2B	TB2-7,8	I2L	43	5	12	2	Y	Y			
4A	TB4-9,10	I6U	41	3	4	4	Y	Y			2
4B	TB4-11,12	I6L	45	7	14	4	Y	Y			
6A	TB3-5,6	J2U	40	2	6	6	Y	Y			
6B	TB3-7,8	J2L	44	6	16	6	Y	Y			
8A	TB5-9,10	J6U	42	4	8	8	Y	Y			2
8B	TB5-11,12	J6L	46	8	18	8	Y	Y			

INPUT FILE POSITION LEGEND: J2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-0163  
 DESIGNED: February 2016  
 SEALED: 4/19/2016  
 REVISED: N/A

### Electrical Detail

Electrical and Programming Details for:

Prepared in the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

NC 24 at NC 242 (N East Street)

Division 3 Sampson County Roseboro

PLAN DATE: March 2016 REVIEWED BY: BAS

PREPARED BY: S. Armstrong REVIEWED BY:

REVISIONS INIT. DATE

DocuSigned by: Keith M. Minns 4/21/2016

SEAL

SEAL 036880

ENGINEER KEITH M. MINNS

SIG. INVENTORY NO. 03-0163

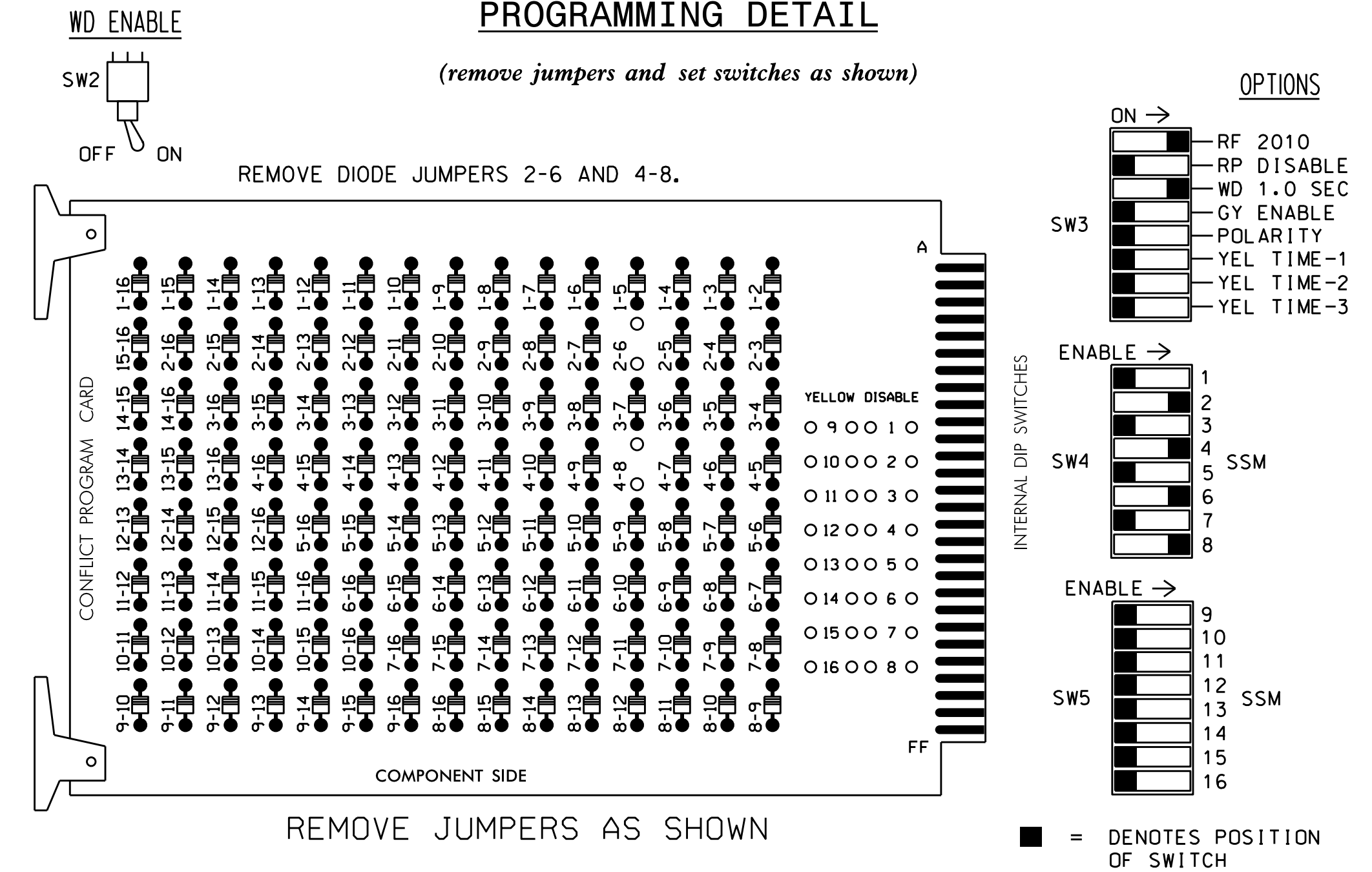
20-Apr-2016 09:16  
 S:\IT\SSA\15\_Signal\work\hgr\oups\51g\_MonMtr\strmg030163\_sml.elec.xxx.dgn  
 somstrmg





### EDI MODEL 2010ECL CONFLICT MONITOR

#### PROGRAMMING DETAIL



NOTES:

1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Make sure jumpers SEL2-SEL5 are present on the monitor board.

### NOTES

1. To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the Signal Plans.
2. Ensure that Red Enable is active at all times during normal operation. To prevent Red Failures on unused monitor channels, tie unused red monitor inputs 1,3,5,7,9,10,11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
3. Program phases 4 and 8 for Dual Entry.
4. Enable Simultaneous Gap-Out for all phases.
5. Program phases 2 and 6 for Start Up In Green.
6. Program phases 2 and 6 for Yellow Flash.

### SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED
SIGNAL HEAD NO.	NU	21,22	NU	NU	41,42	NU	NU	61,62	NU	NU	81,82	NU
RED		128			101			134			107	
YELLOW		129			102			135			108	
GREEN		130			103			136			109	
RED ARROW												
YELLOW ARROW												
GREEN ARROW												

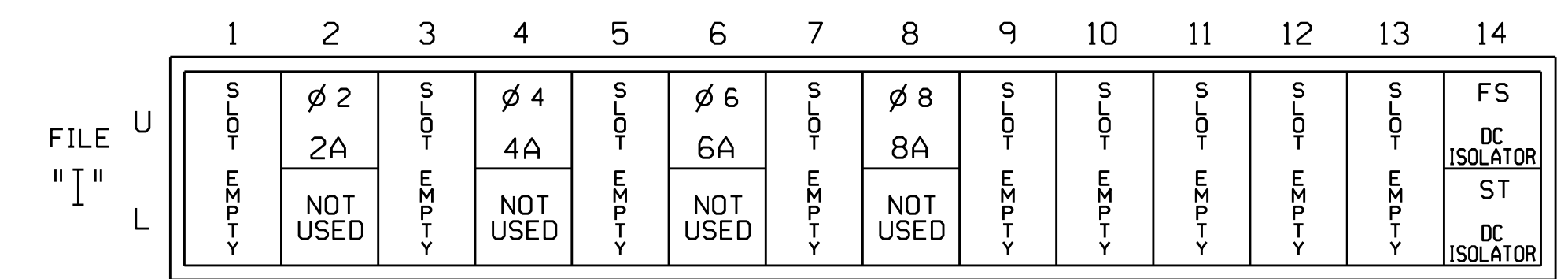
NU = Not Used

### EQUIPMENT INFORMATION

CONTROLLER.....2070L  
 CABINET.....336  
 SOFTWARE.....ECONOLITE OASIS  
 CABINET MOUNT.....POLE  
 OUTPUT FILE POSITIONS...12  
 LOAD SWITCHES USED.....S2,S4,S6,S8  
 PHASES USED.....2,4,6,8  
 OVERLAPS.....NONE

### INPUT FILE POSITION LAYOUT

(front view)



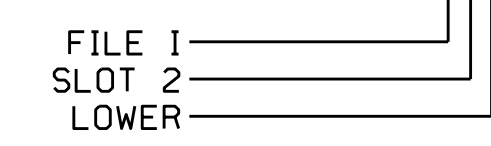
EX. : 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE  
 ST = STOP TIME

### INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
2A	TB21-3,4	I2U	39	1	2	2	Y	Y			
4A	TB21-7,8	I4U	41	3	4	4	Y	Y			5
6A	TB21-11,12	I6U	40	2	6	6	Y	Y			
8A	TB22-1,2	I8U	42	4	8	8	Y	Y			5

INPUT FILE POSITION LEGEND: I2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-0158  
 DESIGNED: February 2016  
 SEALED: 4/19/2016  
 REVISED: N/A

2017-03-20 10:08:01 S:\MITS\Signal\work\hgc\oups\51g\_MonHrMstrmng\030158\_sm.ele.xxx.dgn somstrmng

### Electrical Detail

Electrical and Programming Details For:

Prepared in the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

NC 242 (Main Street) at SR 1233 (College Street)

Division 3 Sampson County, Salemburg

PLAN DATE: March 2016 REVIEWED BY: BAS

PREPARED BY: S. Armstrong REVIEWED BY:

REVISIONS: \_\_\_\_\_ INIT. DATE

DocuSigned by: Keith M. Minis 4/21/2016

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER KEITH M. MINIS SEAL 036880

SIG. INVENTORY NO. 03-0158

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED