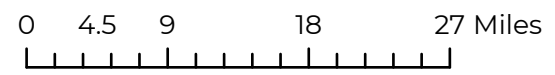
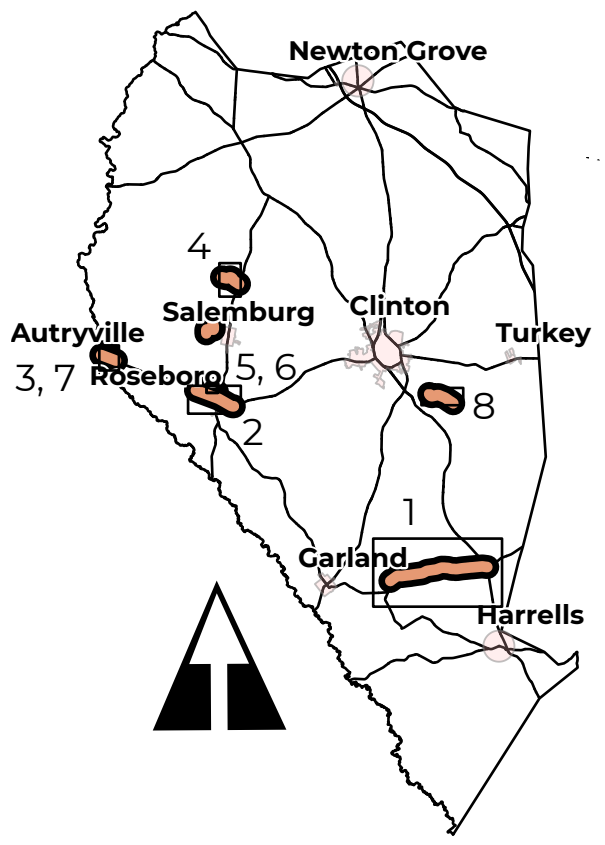


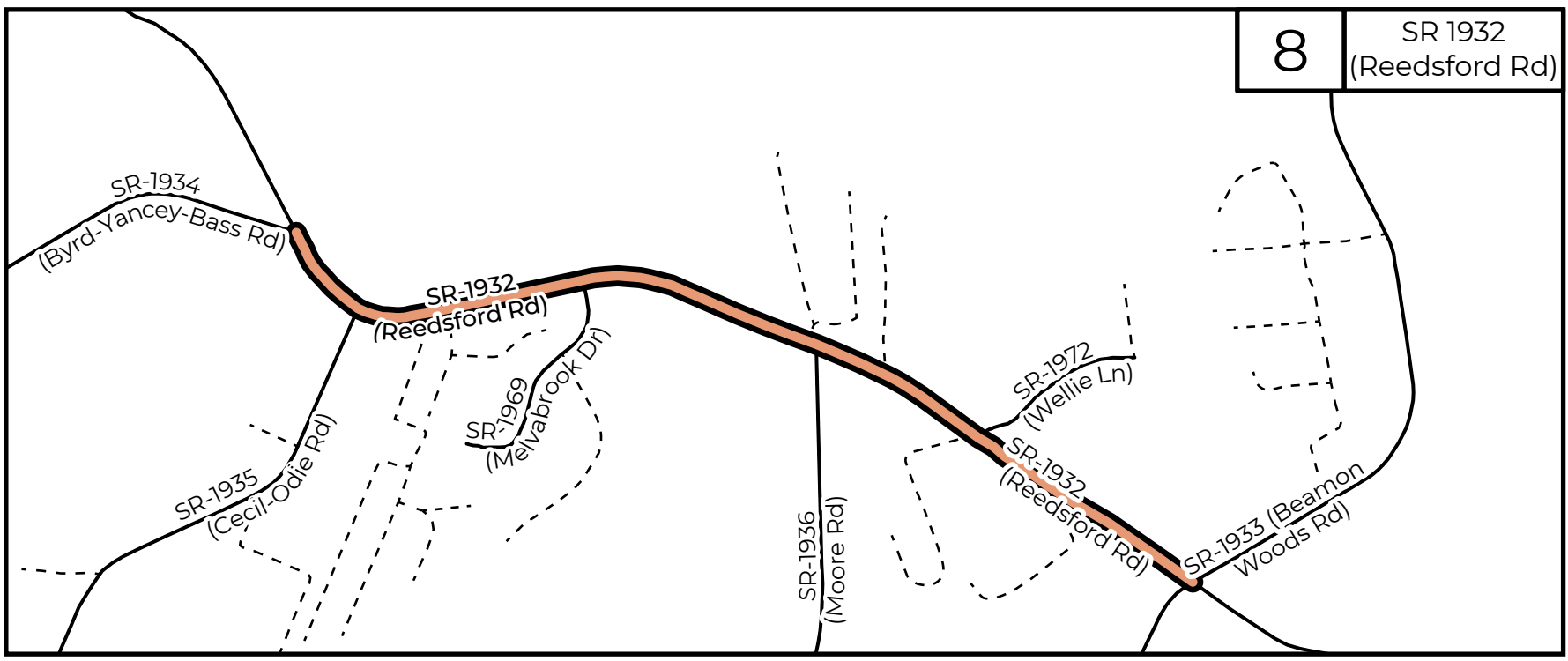
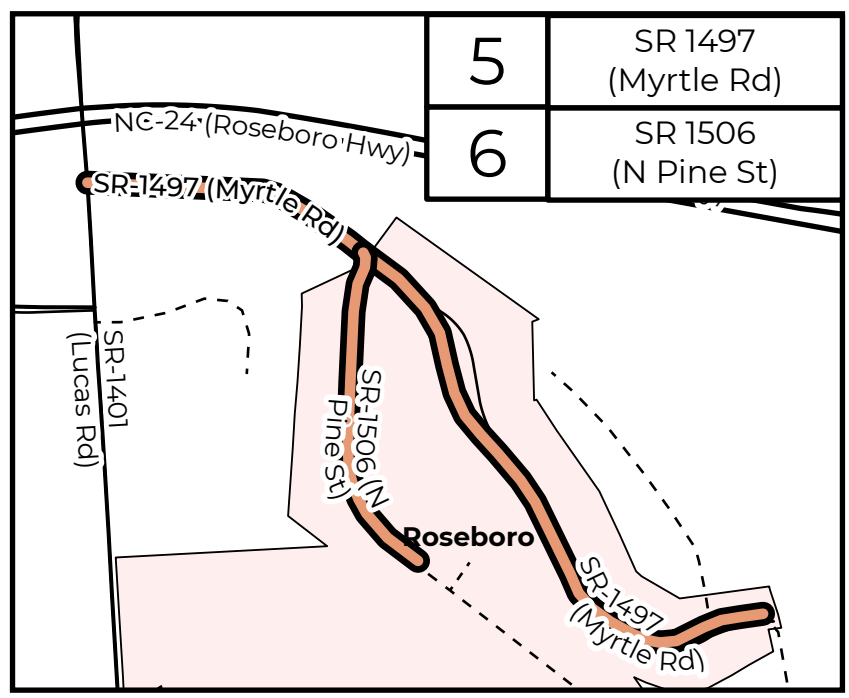
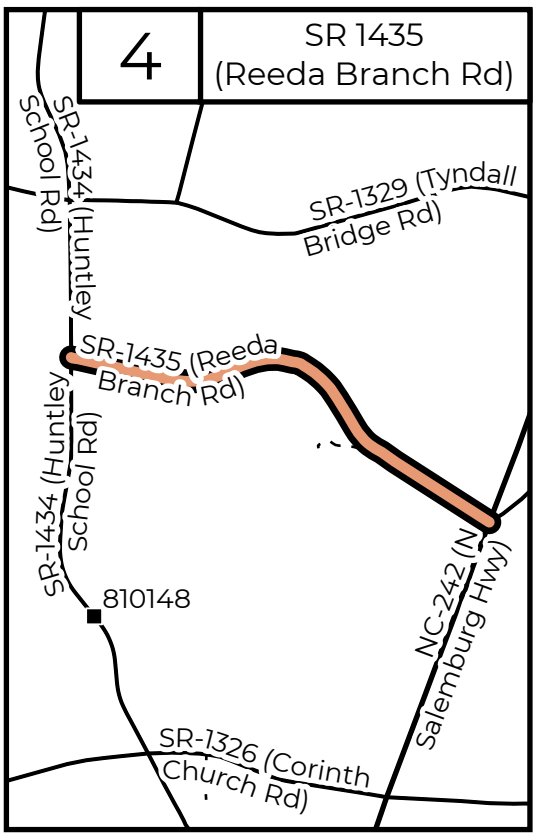
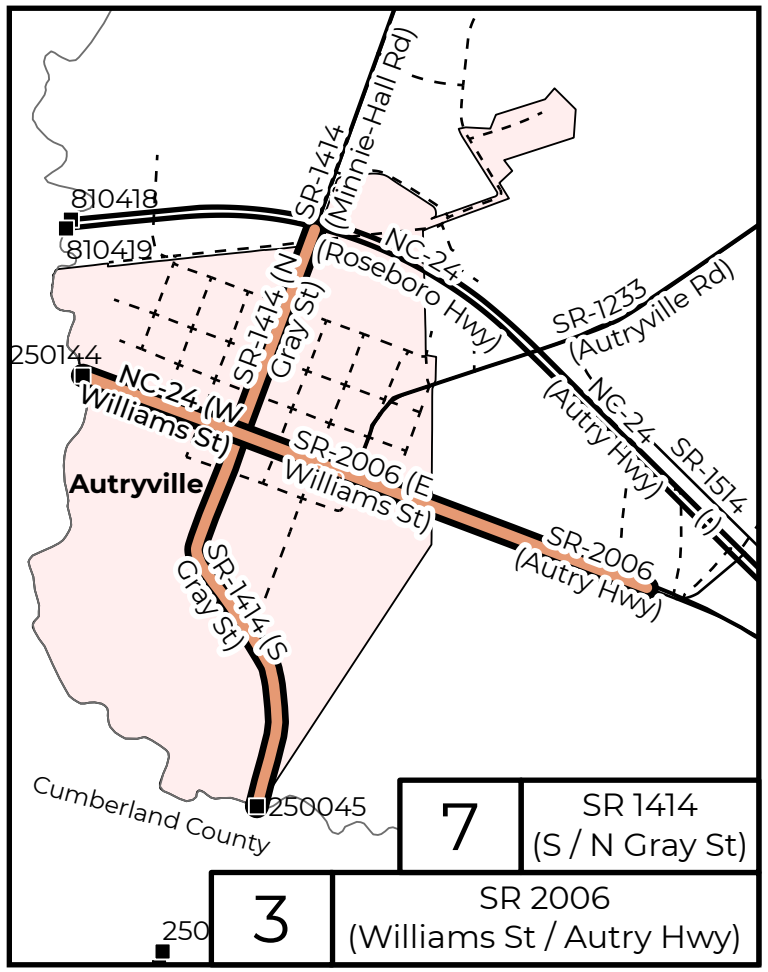
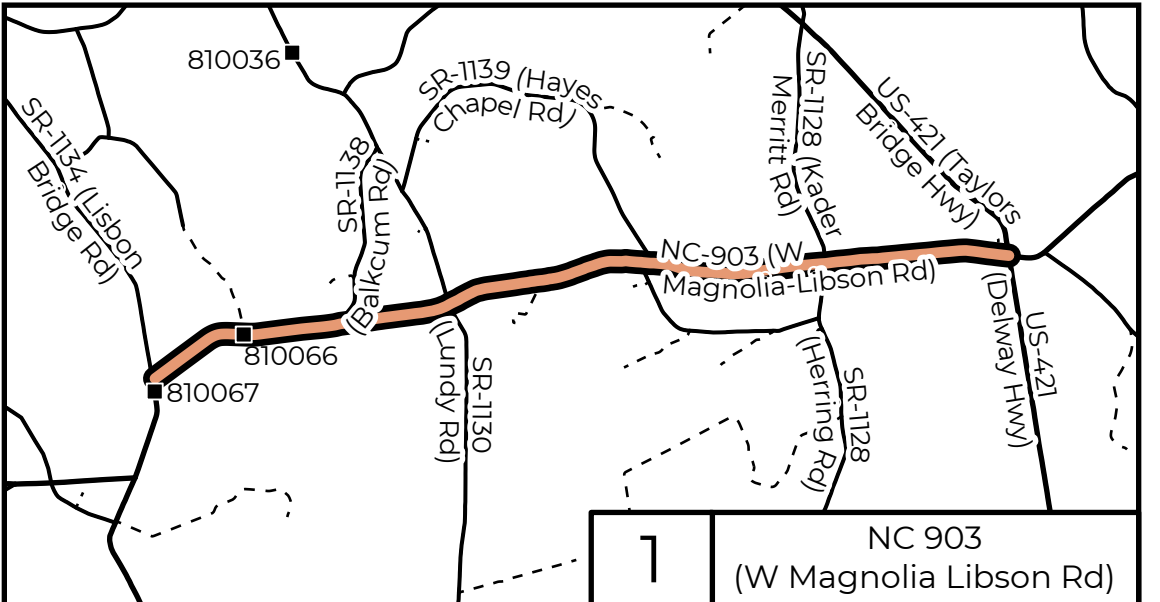
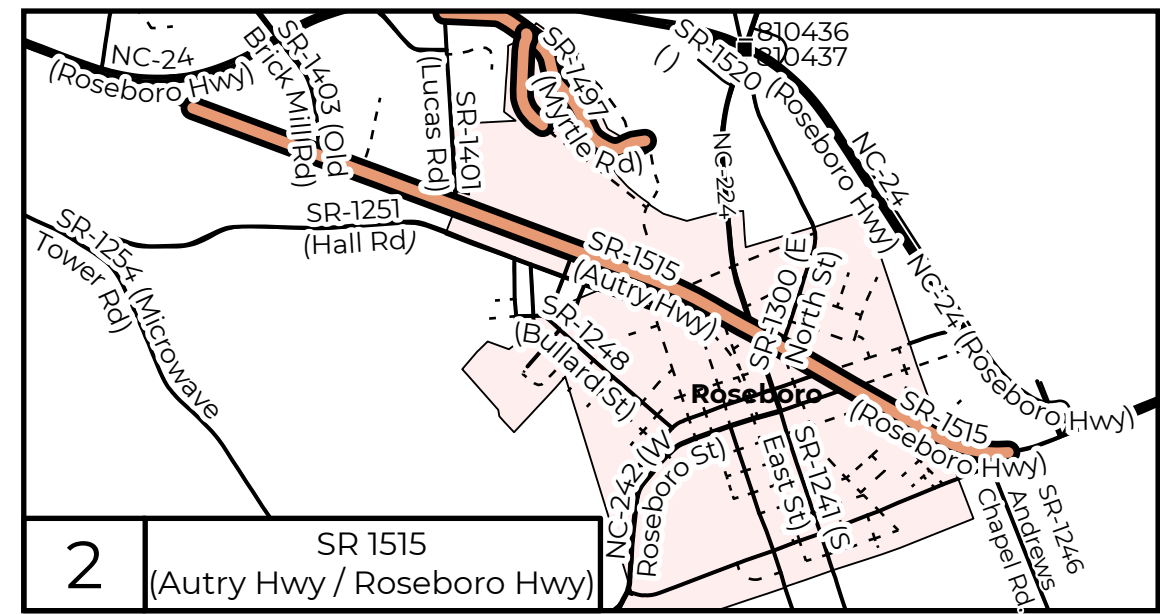
# Sampson County 1-8

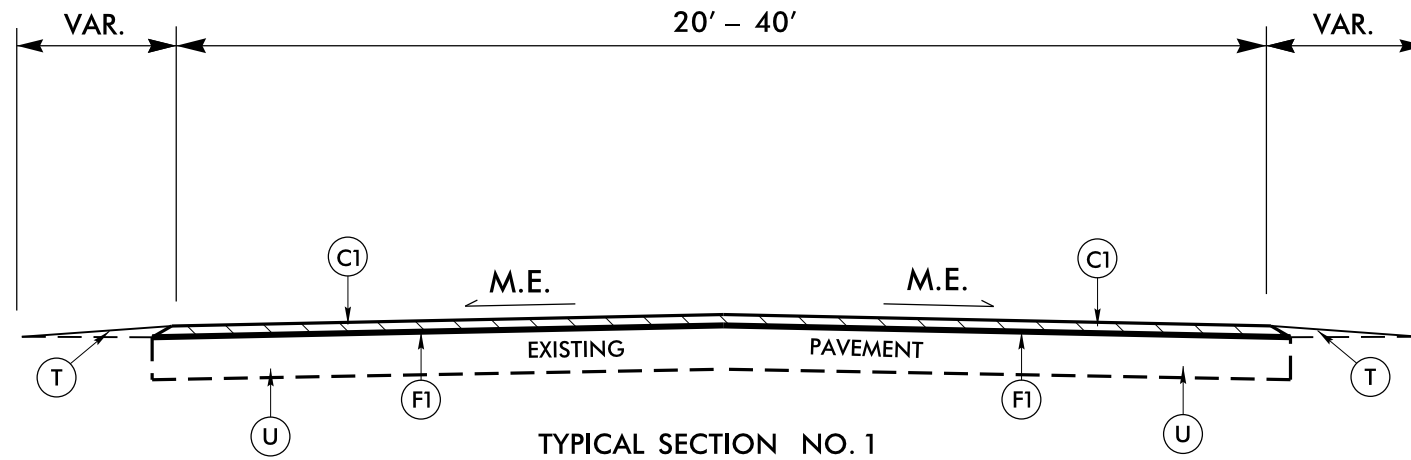
PROJECT REFERENCE NO.	SHEET NO.
2021CPT.03.14.10821, ETC.	1



**Legend**

- Bridge
- State Maintained Road
- Municipality Road
- ▭ Road Section





**TYPICAL SECTION NO. 1**

MAP NO. 1  
NC 903 (W. MAGNOLIA-LIBSON RD.)  
MP 0.74 – MP 7.11

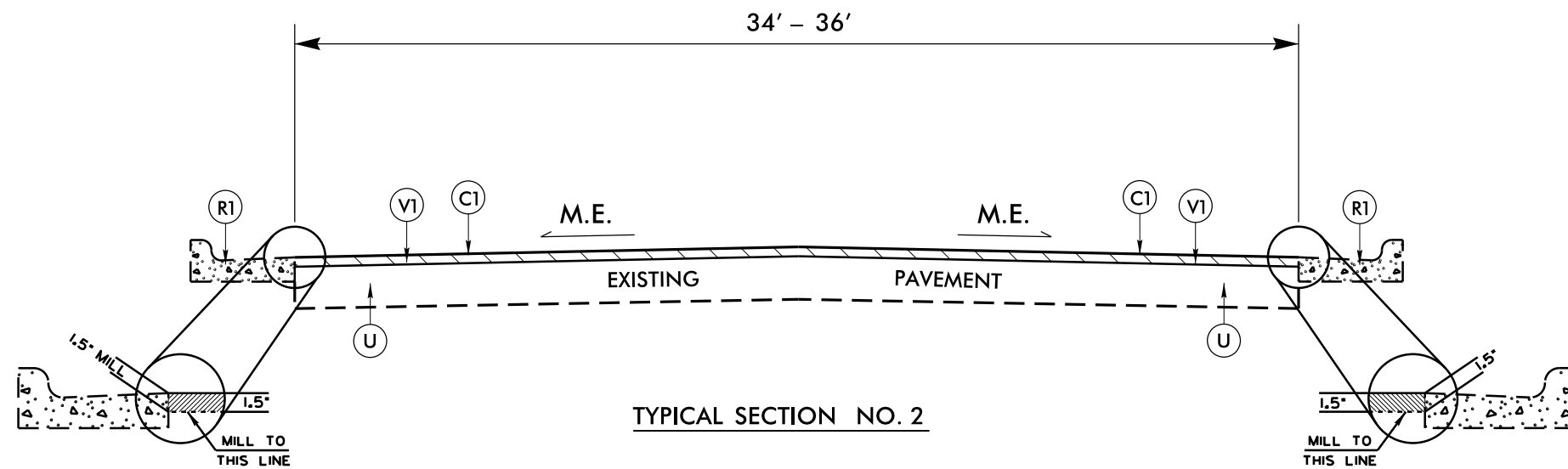
MAP NO. 2  
SR 1515 (AUTRY HWY.)  
MP 0.12 – MP 0.91  
SEE ALSO TYPICAL NO. 2

MAP NO. 3  
SR 2006 (WILLIAMS ST/AUTRY HWY.)  
MP 0.00 – MP 0.18  
MP 0.34 – MP 0.97  
SEE ALSO TYPICAL NO. 2

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
C2	PROP. APPROX. .75" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S4.75A, AT AN AVERAGE RATE OF 82.5 LBS. PER SQ.YD.
F1	ASPHALT SURFACE TREATMENT - #67 MAT COAT (GRANITE) STONE
R1	EXISTING CONCRETE 2'-6" CURB & GUTTER
T	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
U	EXISTING PAVEMENT
V1	MILLING ASPHALT PAVEMENT, 1½" DEPTH

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

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



**TYPICAL SECTION NO. 2**

MAP NO. 2  
SR 1515 (AUTRY HWY./ROSEBORO HWY.)  
MP 0.91 – MP 2.77  
SEE ALSO TYPICAL NO. 1

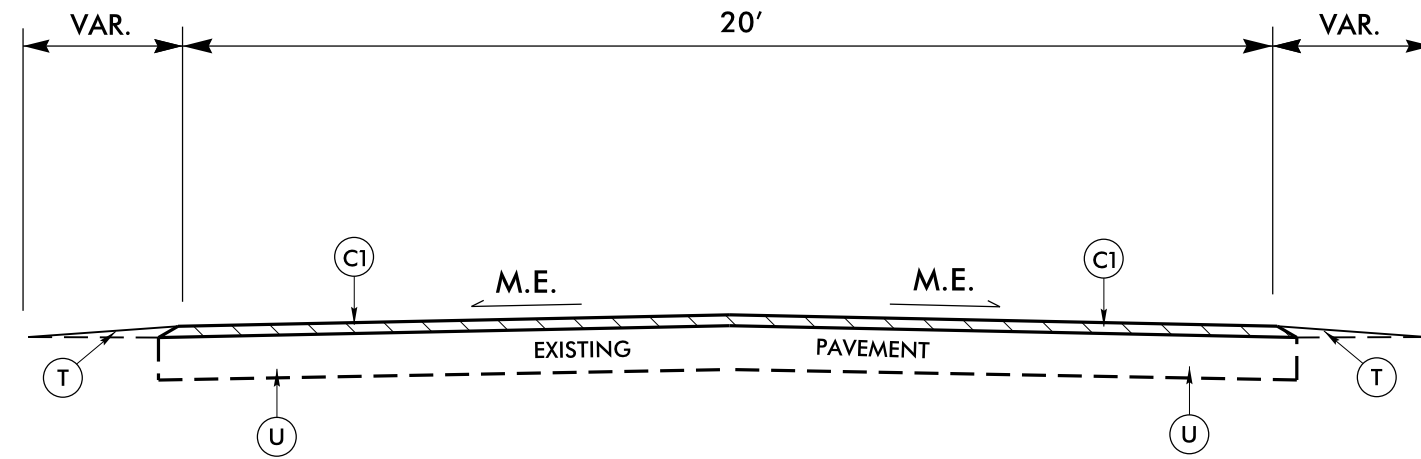
MAP NO. 3  
SR 2006 (WILLIAMS ST/AUTRY HWY.)  
MP 0.18 – MP 0.34  
SEE ALSO TYPICAL NO. 1

REVISIONS

8/17/99

Resurfacing\SAMPSON\2021\_SAMPSON\_SPRING\_LET\Sampson\_Typical.dgn

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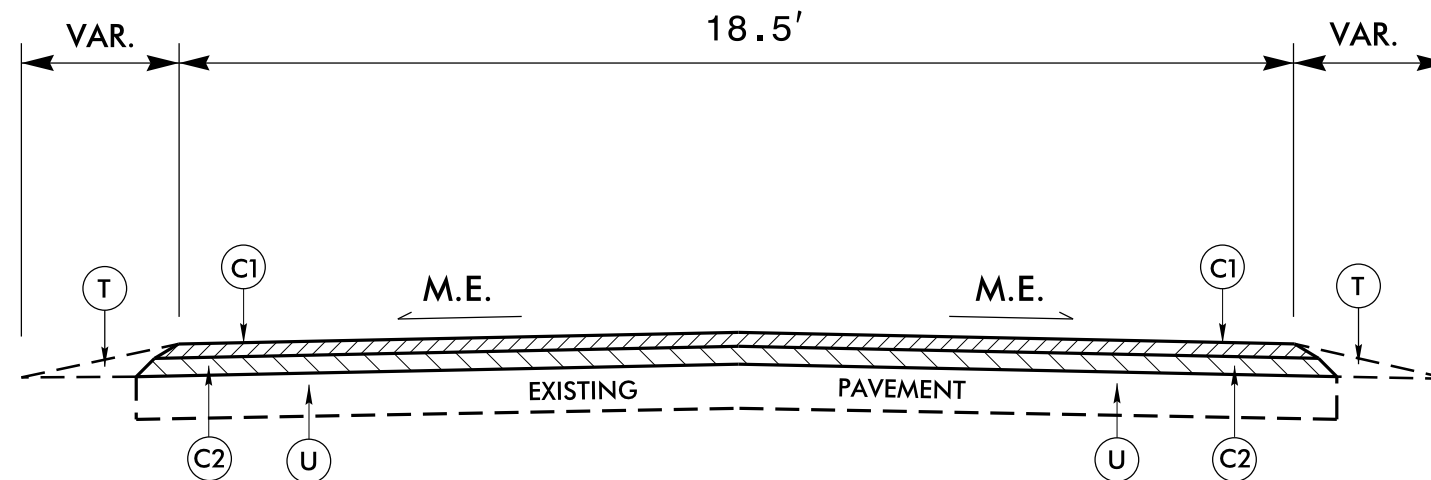
**TYPICAL SECTION NO. 3**

MAP NO. 4  
SR 1435 (BEEDA BRANCH RD.)  
MP 0.00 – MP 1.27

MAP NO. 5  
SR 1497 (MYRTLE RD.)  
MP 0.00 – MP 0.81

MAP NO. 6  
SR 1506 (NORTH PINE ST.)  
MP 0.00 – MP 0.29

MAP NO. 7  
SR 1414 (N. GRAY ST./S. GRAY ST.)  
MP 0.00 – MP 0.99



**TYPICAL SECTION NO. 4**

MAP NO. 8  
SR 1932 (REEDSFORD RD.)  
MP 1.47 – MP 3.21

PAVEMENT SCHEDULE	
C1	1½" S9.5B
C2	.75" S4.75A
T	EARTH MATERIAL SHOULDER RECONST.
U	EXISTING PAVEMENT

2018 ROADWAY ENGLISH STANDARD DRAWINGS

EFF.01-16-2018  
REV.

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N.C. Department of Transportation - Raleigh, N.C., Dated January, 2018 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO. TITLE

DIVISION 12 - PVMT MARKING, MARKERS AND DELINEATION

1205.08 Pavement Markings - Symbols & Word Messages

REVISIONS

8/17/99

Resurfacing\SAMPSON\2021\_SAMPSON\_SPRING\_LET\Sampson\_Typical.dgn

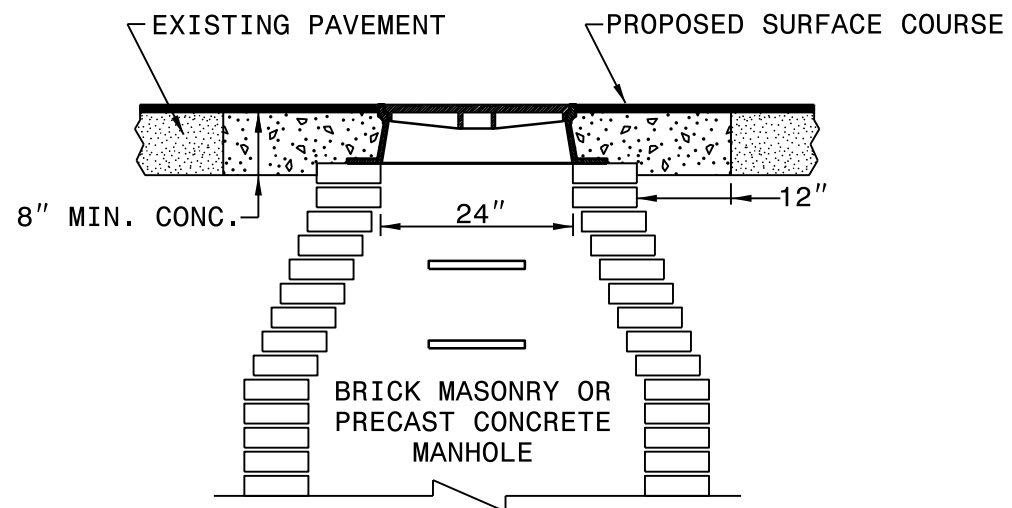
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STATE OF NORTH CAROLINA  
 DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH, N.C.

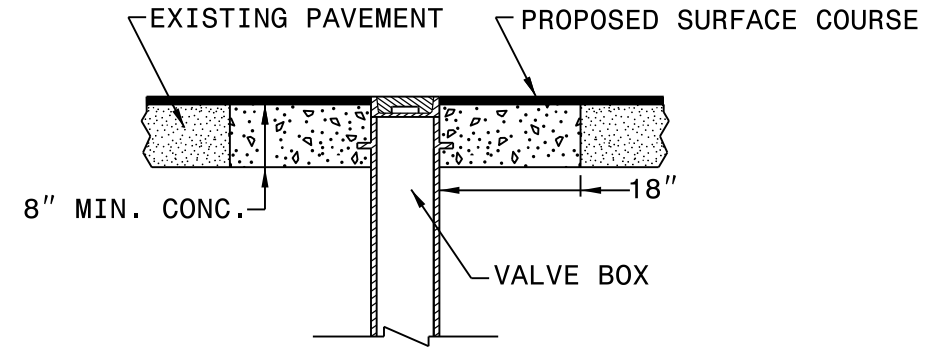
ENGLISH DETAIL DRAWING FOR  
**MANHOLE AND VALVE BOX ADJUSTMENTS**  
 SHEET 1 OF 1  
**840D55**

GENERAL NOTES:

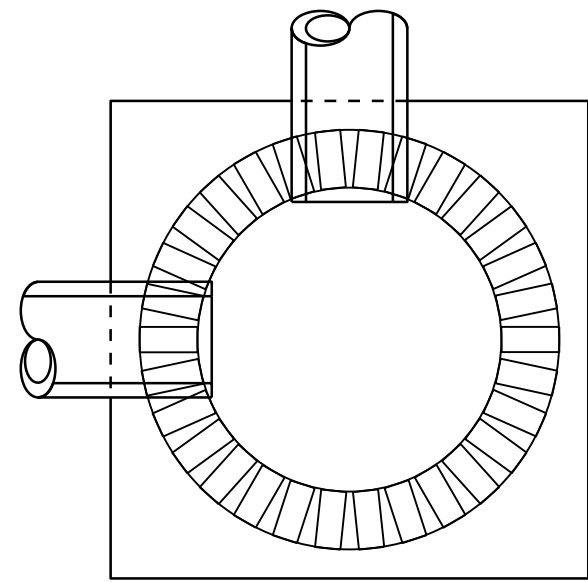
1. USE RAPID SET GROUT, MORTAR, OR CONCRETE THAT WILL TAKE FULL SET AND BECOME LOAD BEARING WITHIN SIXTY MINUTES OF PLACEMENT WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
2. REMOVE ALL FAULTY EXISTING BRICKWORK AND REPLACE WITH NEW BRICK MASONRY.
3. SHEER CUT EXCAVATION FOR THE ADJUSTMENT ON ALL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



**MANHOLE CONCRETE ENCASEMENT**



**VALVE BOX CONCRETE ENCASEMENT**



**ELEVATION VIEW**

PLACE BRICK ACCORDING TO ELEVATION VIEW

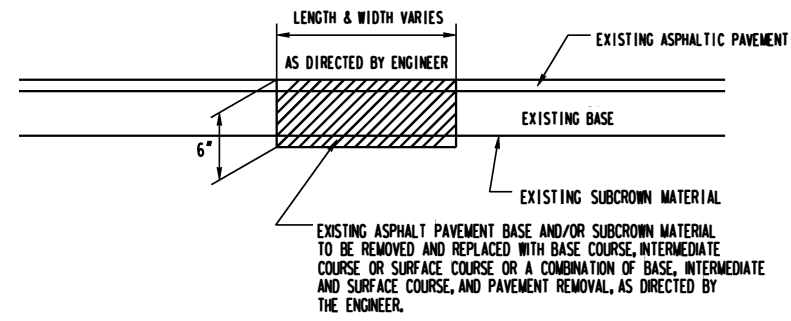
ENGLISH DETAIL DRAWING FOR  
**MANHOLE AND VALVE BOX ADJUSTMENTS**

SHEET 1 OF 1  
**840D55**

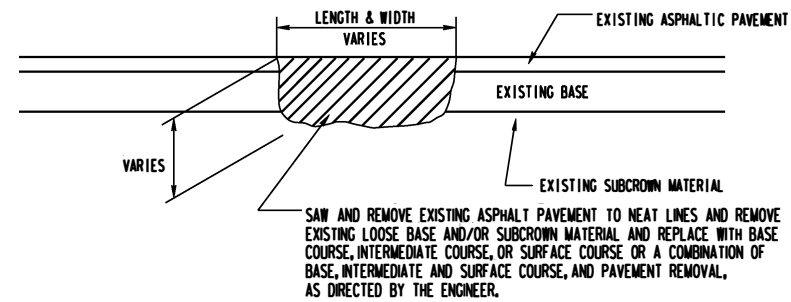
REVISIONS

28-NOV-2017 10:49  
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 \$\$\$SUSPENSE\$\$\$

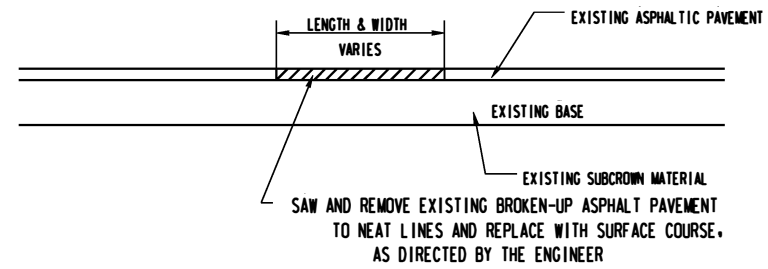
DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



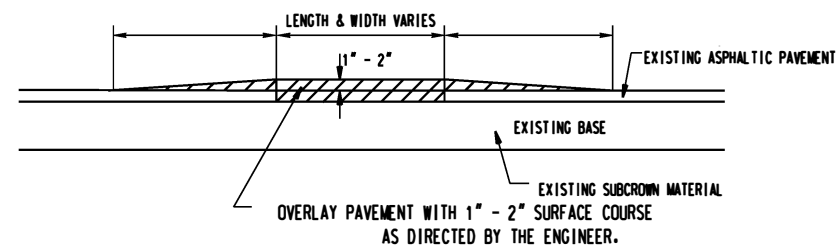
DETAIL NO. 1



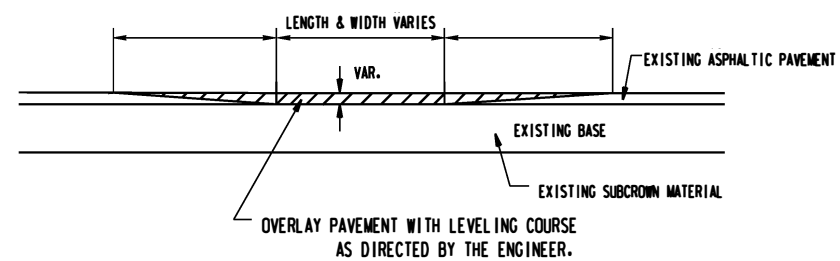
DETAIL NO. 2



DETAIL NO. 3



DETAIL NO. 4



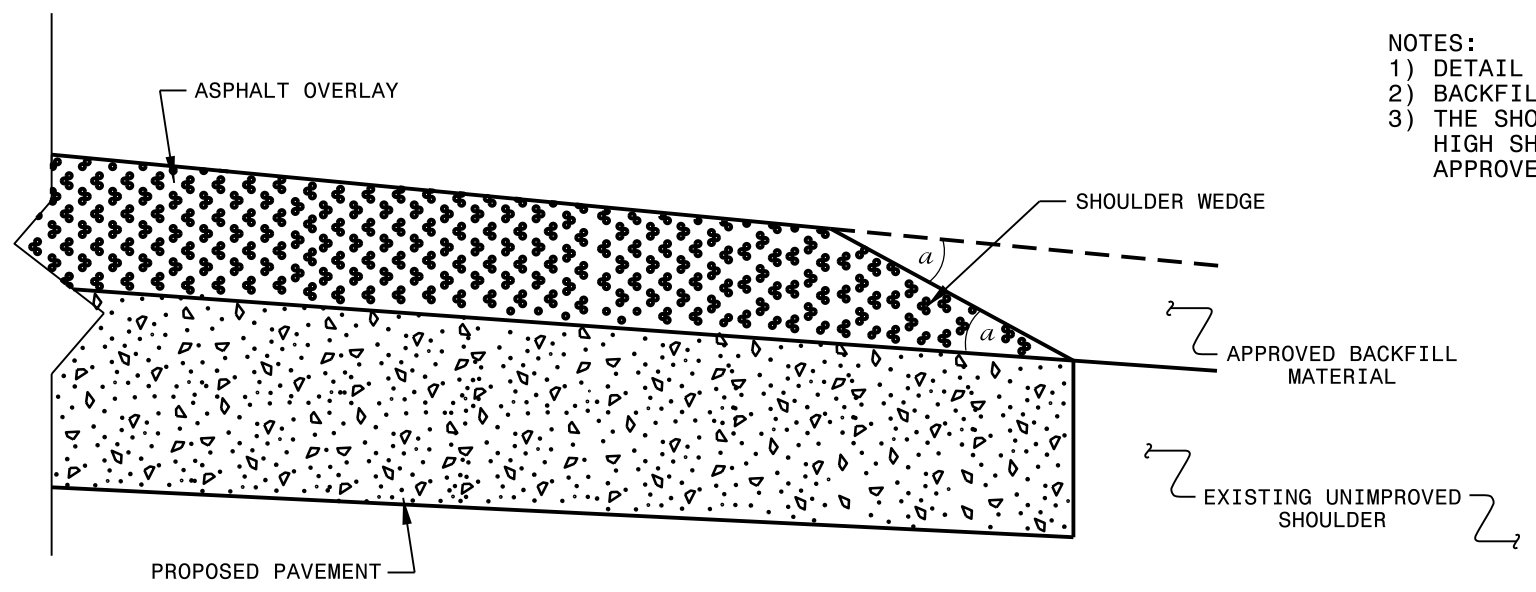
DETAIL NO. 5

REVISIONS

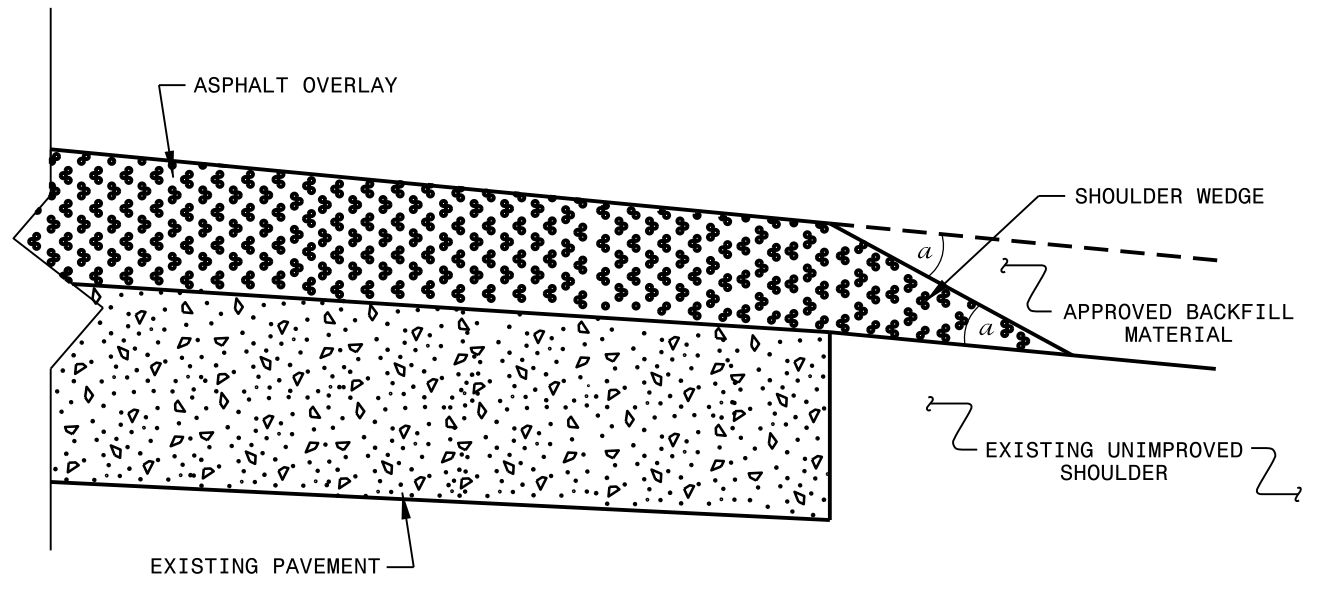
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8/17/2015

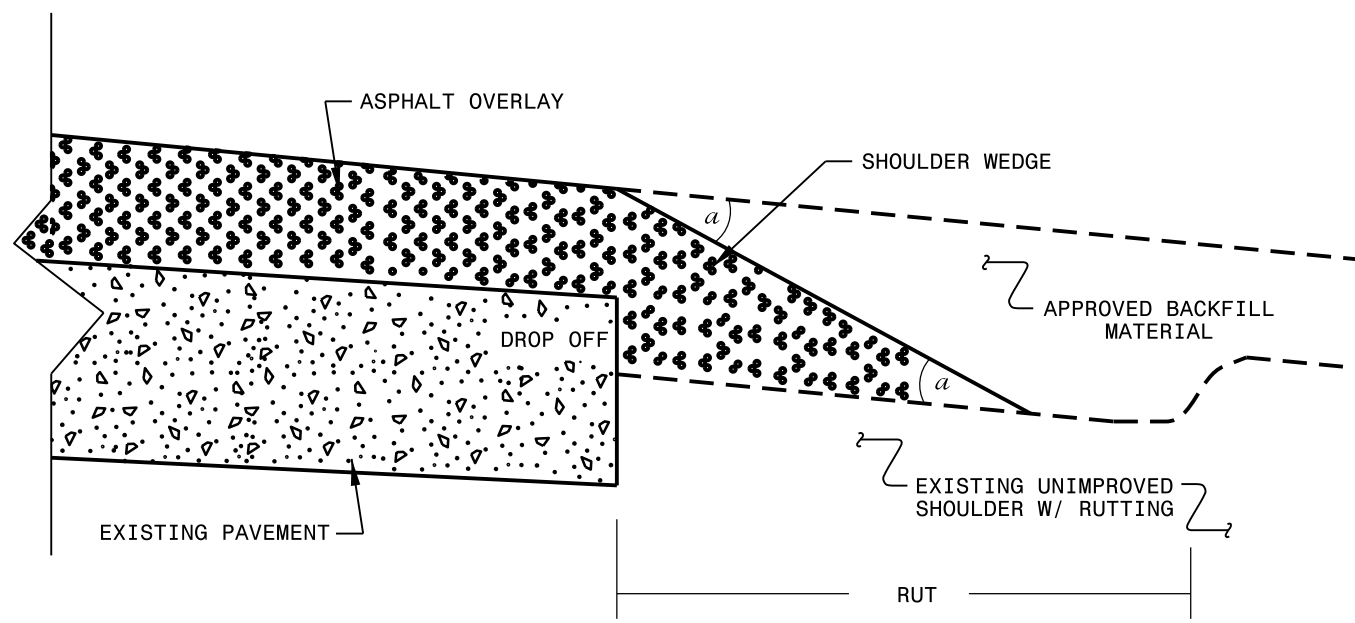
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
  - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
  - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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



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



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

- SHOULDER WEDGE ANGLE = 30°

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

27 JUN 2018 13:22  
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 3\Sampson August 2018 Revised Shoulder Wedge Detail.dgn  
 2021CPT.03.14.10821, Etc

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

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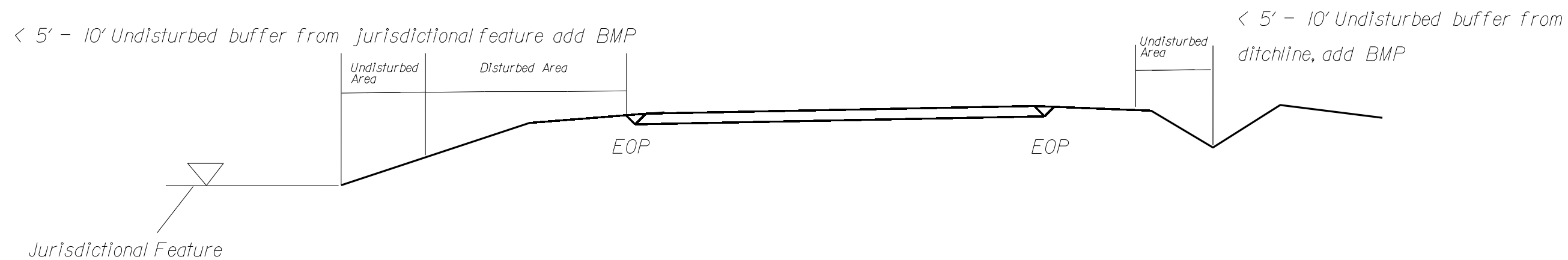
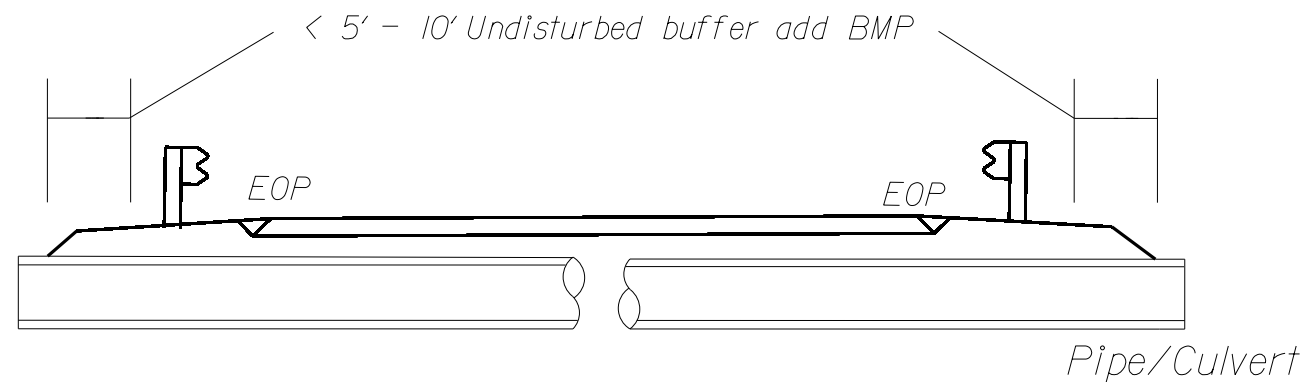
## ***SOIL STABILIZATION TIMEFRAMES***

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

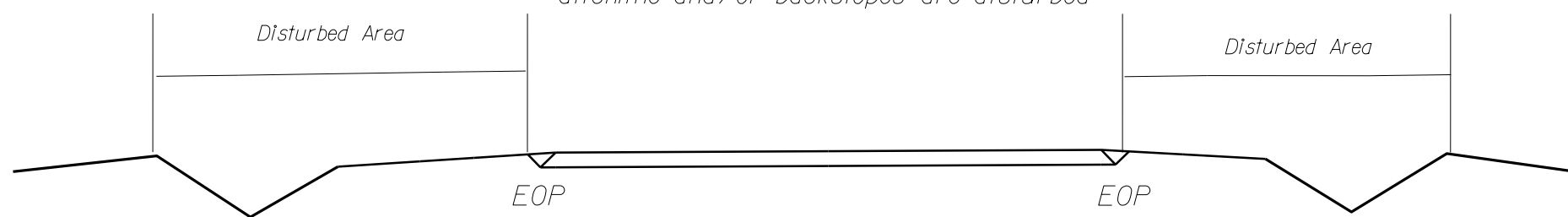
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

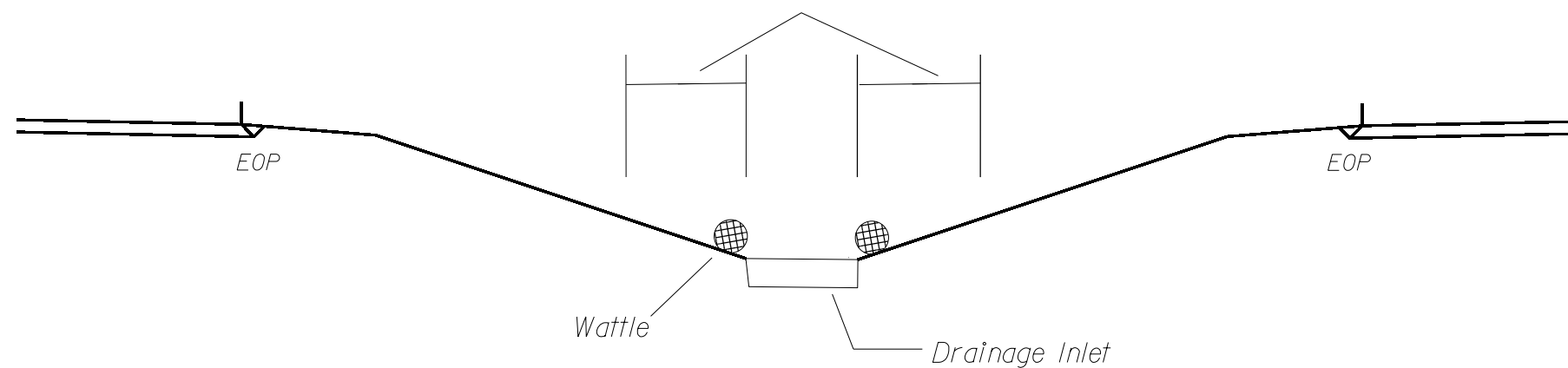
# EROSION CONTROL DETAIL



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



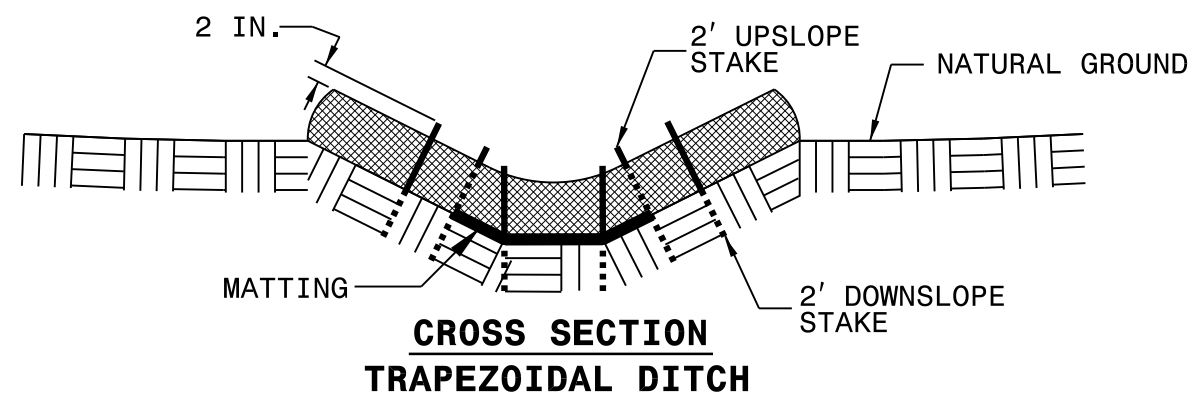
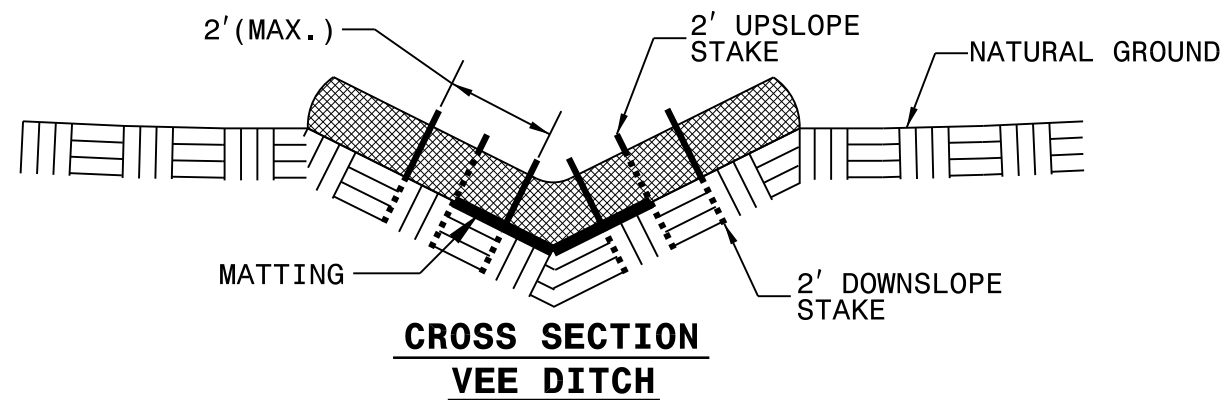
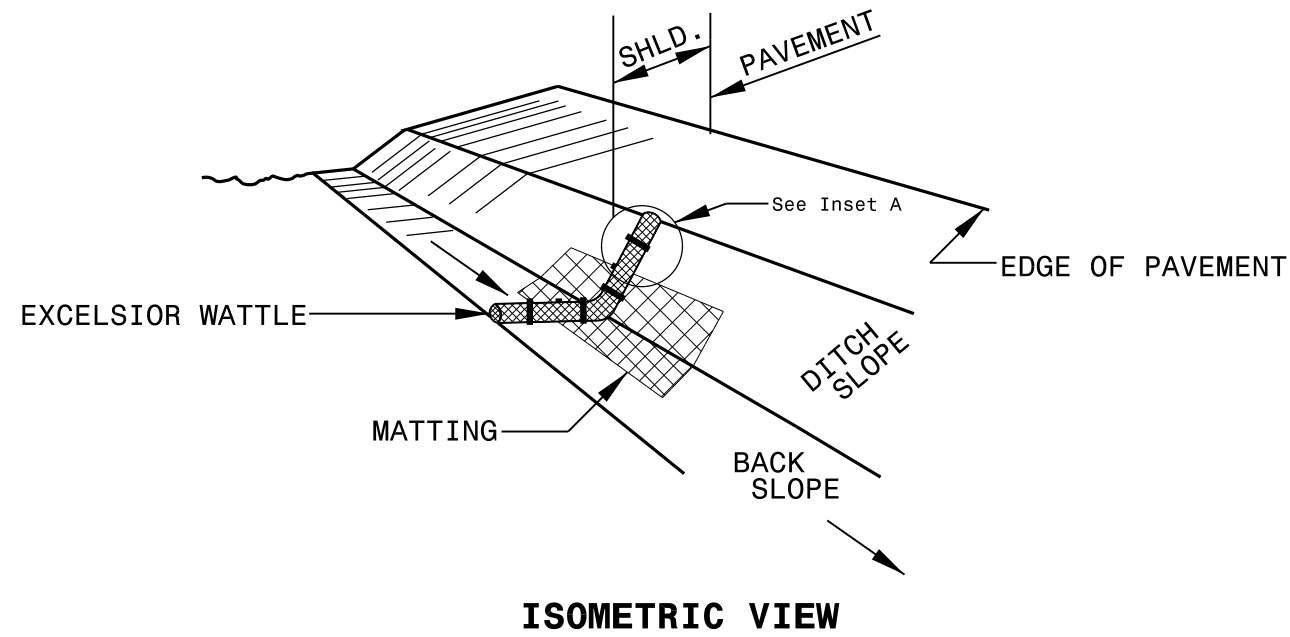
< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE



# WATTLE DETAIL



**NOTES:**

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

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

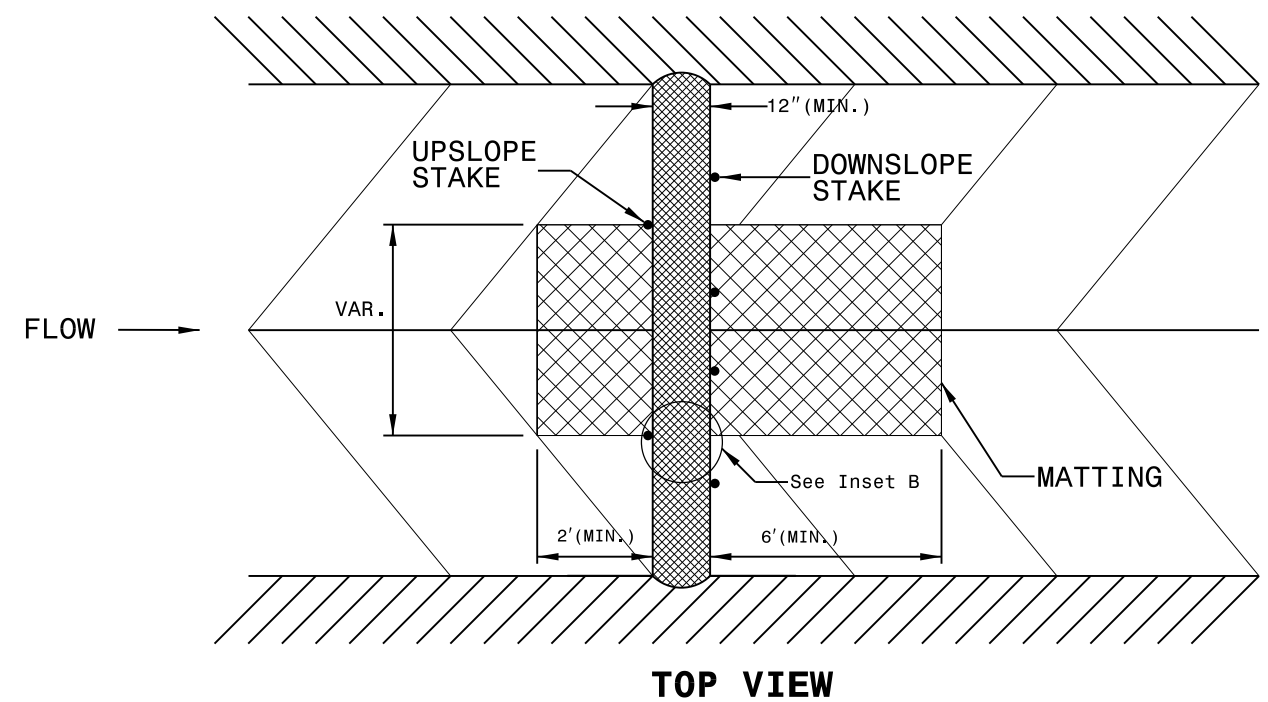
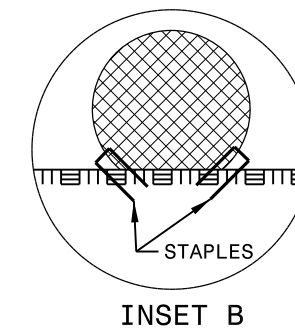
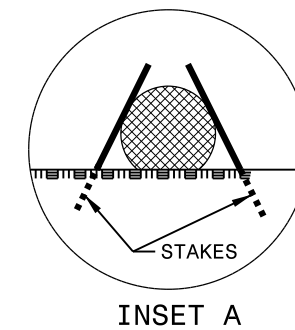
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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

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

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

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



PROJECT NO.	SHEET NO.
2021CPT.03.14.10821, ETC.	7

## SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	0106000000-E	1220000000-E	1245000000-E	1297000000-E	1330000000-E	1519000000-E	1520000000-E	1526000000-E	1575000000-E	1775000000-E	1838000000-E				
												BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONST	1.5" MILLING	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5B SHORT OVERLAY	LEVELING COURSE, S9.5B	SURFACE COURSE, S4.75A	ASPHALT BINDER FOR PLANT MIX	ASPHALT SURFACE TREATMENT, MATCOAT, #67 GRANITE	EMULSION FOR ASPHALT SURFACE TREATMENT			
												MI	FT	CY	TON	SMI	SY	SY	TON	TON	TON	TON	TON	SY	GAL	
2021CPT.03.14.10821	Sampson	1	NC 903 (W. MAGNOLIA-LIBSON RD.)	FROM SR 1134 (LISBON BRIDGE RD.) TO US 421 (DELWAY HWY.) [MP 0.74 - MP 7.11]	1	2	2WU	NO	NO	6.37	20	973	140	12.74		333	6,205		100		422	74,741	29,900			
<b>TOTAL FOR MAP NO. 1</b>												<b>6.37</b>		<b>973</b>	<b>140</b>	<b>12.74</b>		<b>333</b>	<b>6,205</b>		<b>100</b>		<b>422</b>	<b>74,741</b>	<b>29,900</b>	
<b>TOTAL FOR PROJ NO. 2021CPT.03.14.10821</b>												<b>6.37</b>		<b>973</b>	<b>140</b>	<b>12.74</b>		<b>333</b>	<b>6,205</b>		<b>100</b>		<b>422</b>	<b>74,741</b>	<b>29,900</b>	
												<b>6,205</b>														
2021CPT.03.14.20821	Sampson	2	SR 1515 (AUTRY HWY. / ROSEBORO HWY.)	FROM 0.12 MILES SW OF NC 24 BYPASS TO NC 24 BYPASS (ROSEBORO HWY. / AUTRY HWY.) [MP 0.12 - MP 2.77]	1,2	3	2WU	NO	NO	2.65	24 - 36	405	30	1.70	39,258	1,907	5,197		20		350	11,546	4,620			
<b>TOTAL FOR MAP NO. 2</b>												<b>2.65</b>		<b>405</b>	<b>30</b>	<b>1.70</b>	<b>39,258</b>	<b>1,907</b>	<b>5,197</b>		<b>20</b>		<b>350</b>	<b>11,546</b>	<b>4,620</b>	
2021CPT.03.14.20821	Sampson	3	SR 2006 (WILLIAMS ST. / AUTRY HWY.)	FROM CUMBERLAND COUNTY LINE TO 0.22 MILES NE OF NC 24 BYPASS (ROSEBORO HWY. / AUTRY HWY.) [MP 0.00 - MP 0.97]	1,2	2	2WU	NO	NO	0.97	24 - 40	124	18	1.62	2,644	1,250	1,190				80	11,790	4,720			
<b>TOTAL FOR MAP NO. 3</b>												<b>0.97</b>		<b>124</b>	<b>18</b>	<b>1.62</b>	<b>2,644</b>	<b>1,250</b>	<b>1,190</b>				<b>80</b>	<b>11,790</b>	<b>4,720</b>	
2021CPT.03.14.20821	Sampson	4	SR 1435 (BEEDA BRANCH RD.)	FROM SR 1434 (HUNTLEY SCHOOL RD.) TO NC 242 [MP 0.00 - MP 1.27]	3	2	2WU	NO	NO	1.27	20	194	74	2.54		111	1,237	350			106					
<b>TOTAL FOR MAP NO. 4</b>												<b>1.27</b>		<b>194</b>	<b>74</b>	<b>2.54</b>		<b>111</b>	<b>1,237</b>	<b>350</b>			<b>106</b>			
2021CPT.03.14.20821	Sampson	5	SR 1497 (MYRTLE RD.)	FROM SR 1401 (LUCAS RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.81]	3	2	2WU	NO	NO	0.81	20	124	52	1.62		36	828	150			66					
<b>TOTAL FOR MAP NO. 5</b>												<b>0.81</b>		<b>124</b>	<b>52</b>	<b>1.62</b>		<b>36</b>	<b>828</b>	<b>150</b>			<b>66</b>			
2021CPT.03.14.20821	Sampson	6	SR 1506 (NORTH PINE ST.)	FROM SR 1497 (MYRTLE RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.29]	3	2	2WU	NO	NO	0.29	20	44	18	0.58		9	282				19					
<b>TOTAL FOR MAP NO. 6</b>												<b>0.29</b>		<b>44</b>	<b>18</b>	<b>0.58</b>		<b>9</b>	<b>282</b>				<b>19</b>			
2021CPT.03.14.20821	Sampson	7	SR 1414 (N. GRAY ST. / S. GRAY ST.)	FROM CUMBERLAND COUNTY LINE TO 0.08 MILES NORTH OF NC 24 HWY. [MP 0.00 - MP 0.99]	3	2	2WU	NO	NO	0.99	20	303	24	1.98		75	982		31		68					
<b>TOTAL FOR MAP NO. 7</b>												<b>0.99</b>		<b>303</b>	<b>24</b>	<b>1.98</b>		<b>75</b>	<b>982</b>		<b>31</b>		<b>68</b>			
2021CPT.03.14.20821	Sampson	8	SR 1932 (REEDSFORD RD.)	FROM SR 1934 (BYRD-YANCEY-BASS RD.) TO SR 1933 (BEAMON WOODS RD.) [MP 1.47 - MP 3.21]	4	2	2WU	NO	NO	1.74	18.5	266	80	3.48		55	1,581			782	161					
<b>TOTAL FOR MAP NO. 8</b>												<b>1.74</b>		<b>266</b>	<b>80</b>	<b>3.48</b>		<b>55</b>	<b>1,581</b>			<b>782</b>	<b>161</b>			
<b>TOTAL FOR PROJ NO. 2021CPT.03.14.20821</b>												<b>8.72</b>		<b>1,460</b>	<b>296</b>	<b>13.52</b>		<b>41,902</b>	<b>3,443</b>	<b>11,297</b>	<b>500</b>	<b>51</b>	<b>782</b>	<b>850</b>	<b>23,336</b>	<b>9,340</b>
												<b>11,797</b>														
<b>GRAND TOTAL</b>												<b>15.09</b>		<b>2,433</b>	<b>436</b>	<b>26.26</b>		<b>41,902</b>	<b>3,776</b>	<b>17,502</b>	<b>500</b>	<b>151</b>	<b>782</b>	<b>1,272</b>	<b>98,077</b>	<b>39,240</b>
												<b>18,002</b>														

PROJECT NO.	SHEET NO.
2021CPT.03.14.10821, ETC.	8

## SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	1880000000-E		2830000000-N	2845000000-N	6000000000-E	6009000000-E	6012000000-E	6015000000-E	6018000000-E	6021000000-E	6036000000-E	6042000000-E			
												PATCHING EXISTING PAVEMENT (FULL DEPTH) GENERIC	PATCHING EXISTING PAVEMENT (MILL) GENERIC	ADJUSTMENT OF MANHOLES	ADJUSTMENT OF METER OR VALVE BOX	TEMPORARY SILT FENCE	STONE FOR EC CLASS B	SEDIMENT CONTROL STONE	TEMPORARY MULCHING	SEED FOR TEMPORARY SEEDING	FERTILIZER FOR TEMPORARY SEEDING	MATTING FOR EROSION CONTROL	1/4" HARDWARE CLOTH			
												MI	FT	TON	TON	EA	EA	LF	TON	TON	ACR	LBS	TON	SY	LF	
2021CPT.03.14.10821	Sampson	1	NC 903 (W. MAGNOLIA-LIBSON RD.)	FROM SR 1134 (LISBON BRIDGE RD.) TO US 421 (DELWAY HWY.) [MP 0.74 - MP 7.11]	1	2	2WU	NO	NO	6.37	20		25				637		159	159	6.37	319	1.59	40	319	
<b>TOTAL FOR MAP NO. 1</b>												<b>6.37</b>		<b>25</b>				<b>637</b>		<b>159</b>	<b>159</b>	<b>6.37</b>	<b>319</b>	<b>1.59</b>	<b>40</b>	<b>319</b>
<b>TOTAL FOR PROJ NO. 2021CPT.03.14.10821</b>												<b>6.37</b>		<b>25</b>				<b>637</b>		<b>159</b>	<b>159</b>	<b>6.37</b>	<b>319</b>	<b>1.59</b>	<b>40</b>	<b>319</b>
												<b>25</b>														
2021CPT.03.14.20821	Sampson	2	SR 1515 (AUTRY HWY. / ROSEBORO HWY.)	FROM 0.12 MILES SW OF NC 24 BYPASS TO NC 24 BYPASS (ROSEBORO HWY. / AUTRY HWY.) [MP 0.12 - MP 2.77]	1,2	3	2WU	NO	NO	2.65	24 - 36		20	13			265	66	66	1.70	85	0.42	20	85		
<b>TOTAL FOR MAP NO. 2</b>												<b>2.65</b>		<b>20</b>	<b>13</b>			<b>265</b>	<b>66</b>	<b>66</b>	<b>1.70</b>	<b>85</b>	<b>0.42</b>	<b>20</b>	<b>85</b>	
2021CPT.03.14.20821	Sampson	3	SR 2006 (WILLIAMS ST. / AUTRY HWY.)	FROM CUMBERLAND COUNTY LINE TO 0.22 MILES NE OF NC 24 BYPASS (ROSEBORO HWY. / AUTRY HWY.) [MP 0.00 - MP 0.97]	1,2	2	2WU	NO	NO	0.97	24 - 40				5		81	20	20	0.81	41	0.20	10	41		
<b>TOTAL FOR MAP NO. 3</b>												<b>0.97</b>					<b>5</b>	<b>81</b>	<b>20</b>	<b>20</b>	<b>0.81</b>	<b>41</b>	<b>0.20</b>	<b>10</b>	<b>41</b>	
2021CPT.03.14.20821	Sampson	4	SR 1435 (BEEDA BRANCH RD.)	FROM SR 1434 (HUNTLEY SCHOOL RD.) TO NC 242 [MP 0.00 - MP 1.27]	3	2	2WU	NO	NO	1.27	20		16				100	25	25	1.00	50	0.25	10	50		
<b>TOTAL FOR MAP NO. 4</b>												<b>1.27</b>		<b>16</b>			<b>100</b>	<b>25</b>	<b>25</b>	<b>1.00</b>	<b>50</b>	<b>0.25</b>	<b>10</b>	<b>50</b>		
2021CPT.03.14.20821	Sampson	5	SR 1497 (MYRTLE RD.)	FROM SR 1401 (LUCAS RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.81]	3	2	2WU	NO	NO	0.81	20		80				81	20	20	0.81	41	0.40	10	41		
<b>TOTAL FOR MAP NO. 5</b>												<b>0.81</b>		<b>80</b>			<b>81</b>	<b>20</b>	<b>20</b>	<b>0.81</b>	<b>41</b>	<b>0.40</b>	<b>10</b>	<b>41</b>		
2021CPT.03.14.20821	Sampson	6	SR 1506 (NORTH PINE ST.)	FROM SR 1497 (MYRTLE RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.29]	3	2	2WU	NO	NO	0.29	20		54				29	8	8	0.29	15	0.07	10	15		
<b>TOTAL FOR MAP NO. 6</b>												<b>0.29</b>		<b>54</b>			<b>29</b>	<b>8</b>	<b>8</b>	<b>0.29</b>	<b>15</b>	<b>0.07</b>	<b>10</b>	<b>15</b>		
2021CPT.03.14.20821	Sampson	7	SR 1414 (N. GRAY ST. / S. GRAY ST.)	FROM CUMBERLAND COUNTY LINE TO 0.08 MILES NORTH OF NC 24 HWY. [MP 0.00 - MP 0.99]	3	2	2WU	NO	NO	0.99	20		11				100	25	25	1.00	50	0.25	10	50		
<b>TOTAL FOR MAP NO. 7</b>												<b>0.99</b>		<b>11</b>			<b>2</b>	<b>100</b>	<b>25</b>	<b>25</b>	<b>1.00</b>	<b>50</b>	<b>0.25</b>	<b>10</b>	<b>50</b>	
2021CPT.03.14.20821	Sampson	8	SR 1932 (REEDSFORD RD.)	FROM SR 1934 (BYRD-YANCEY-BASS RD.) TO SR 1933 (BEAMON WOODS RD.) [MP 1.47 - MP 3.21]	4	2	2WU	NO	NO	1.74	18.5		26				174	44	44	1.74	87	0.44	20	87		
<b>TOTAL FOR MAP NO. 8</b>												<b>1.74</b>		<b>26</b>			<b>174</b>	<b>44</b>	<b>44</b>	<b>1.74</b>	<b>87</b>	<b>0.44</b>	<b>20</b>	<b>87</b>		
<b>TOTAL FOR PROJ NO. 2021CPT.03.14.20821</b>												<b>8.72</b>		<b>171</b>	<b>36</b>	<b>13</b>	<b>7</b>	<b>830</b>	<b>208</b>	<b>208</b>	<b>7.35</b>	<b>369</b>	<b>2.03</b>	<b>90</b>	<b>369</b>	
												<b>207</b>														
<b>GRAND TOTAL</b>												<b>15.09</b>		<b>196</b>	<b>36</b>	<b>13</b>	<b>7</b>	<b>1,467</b>	<b>367</b>	<b>367</b>	<b>13.72</b>	<b>688</b>	<b>3.62</b>	<b>130</b>	<b>688</b>	
												<b>232</b>														

PROJECT NO.	SHEET NO.
2021CPT.03.14.10821, ETC.	9

## SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	6071010000-E	6084000000-E	6090000000-E	6093000000-E	6117000000-N				
												WATTLE	SEED & MULCHING	SEED FOR REPAIR SEEDING	FERTILIZER FOR REPAIR SEEDING	RESPONSE FOR EROSION CONTROL				
												MI	FT	LF	AC	LB	TON	EA		
2021CPT.03.14.10821	Sampson	1	NC 903 (W. MAGNOLIA-LIBSON RD.)	FROM SR 1134 (LISBON BRIDGE RD.) TO US 421 (DELWAY HWY.) [MP 0.74 - MP 7.11]	1	2	2WU	NO	NO	6.37	20	100	6.18	319	1.59	6				
<b>TOTAL FOR MAP NO. 1</b>												<b>6.37</b>		<b>100</b>	<b>6.18</b>	<b>319</b>	<b>1.59</b>	<b>6</b>		
<b>TOTAL FOR PROJ NO. 2021CPT.03.14.10821</b>												<b>6.37</b>		<b>100</b>	<b>6.18</b>	<b>319</b>	<b>1.59</b>	<b>6</b>		
2021CPT.03.14.20821	Sampson	2	SR 1515 (AUTRY HWY. / ROSEBORO HWY.)	FROM 0.12 MILES SW OF NC 24 BYPASS TO NC 24 BYPASS (ROSEBORO HWY. / AUTRY HWY.) [MP 0.12 - MP 2.77]	1,2	3	2WU	NO	NO	2.65	24 - 36	30	1.64	85	0.42	4				
<b>TOTAL FOR MAP NO. 2</b>												<b>2.65</b>		<b>30</b>	<b>1.64</b>	<b>85</b>	<b>0.42</b>	<b>4</b>		
2021CPT.03.14.20821	Sampson	3	SR 2006 (WILLIAMS ST. / AUTRY HWY.)	FROM CUMBERLAND COUNTY LINE TO 0.22 MILES NE OF NC 24 BYPASS (ROSEBORO HWY. / AUTRY HWY.) [MP 0.00 - MP 0.97]	1,2	2	2WU	NO	NO	0.97	24 - 40	20	0.79	41	0.20	4				
<b>TOTAL FOR MAP NO. 3</b>												<b>0.97</b>		<b>20</b>	<b>0.79</b>	<b>41</b>	<b>0.20</b>	<b>4</b>		
2021CPT.03.14.20821	Sampson	4	SR 1435 (BEEDA BRANCH RD.)	FROM SR 1434 (HUNTLEY SCHOOL RD.) TO NC 242 [MP 0.00 - MP 1.27]	3	2	2WU	NO	NO	1.27	20	20	0.72	50	0.25	4				
<b>TOTAL FOR MAP NO. 4</b>												<b>1.27</b>		<b>20</b>	<b>0.72</b>	<b>50</b>	<b>0.25</b>	<b>4</b>		
2021CPT.03.14.20821	Sampson	5	SR 1497 (MYRTLE RD.)	FROM SR 1401 (LUCAS RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.81]	3	2	2WU	NO	NO	0.81	20	20	0.79	41	0.40	2				
<b>TOTAL FOR MAP NO. 5</b>												<b>0.81</b>		<b>20</b>	<b>0.79</b>	<b>41</b>	<b>0.40</b>	<b>2</b>		
2021CPT.03.14.20821	Sampson	6	SR 1506 (NORTH PINE ST.)	FROM SR 1497 (MYRTLE RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.29]	3	2	2WU	NO	NO	0.29	20	10	0.21	15	0.07	2				
<b>TOTAL FOR MAP NO. 6</b>												<b>0.29</b>		<b>10</b>	<b>0.21</b>	<b>15</b>	<b>0.07</b>	<b>2</b>		
2021CPT.03.14.20821	Sampson	7	SR 1414 (N. GRAY ST. / S. GRAY ST.)	FROM CUMBERLAND COUNTY LINE TO 0.08 MILES NORTH OF NC 24 HWY. [MP 0.00 - MP 0.99]	3	2	2WU	NO	NO	0.99	20	20	0.72	50	0.25	2				
<b>TOTAL FOR MAP NO. 7</b>												<b>0.99</b>		<b>20</b>	<b>0.72</b>	<b>50</b>	<b>0.25</b>	<b>2</b>		
2021CPT.03.14.20821	Sampson	8	SR 1932 (REEDSFORD RD.)	FROM SR 1934 (BYRD-YANCEY-BASS RD.) TO SR 1933 (BEAMON WOODS RD.) [MP 1.47 - MP 3.21]	4	2	2WU	NO	NO	1.74	18.5	30	1.27	87	0.44	3				
<b>TOTAL FOR MAP NO. 8</b>												<b>1.74</b>		<b>30</b>	<b>1.27</b>	<b>87</b>	<b>0.44</b>	<b>3</b>		
<b>TOTAL FOR PROJ NO. 2021CPT.03.14.20821</b>												<b>8.72</b>		<b>150</b>	<b>6.14</b>	<b>369</b>	<b>2.03</b>	<b>21</b>		
<b>GRAND TOTAL</b>														<b>15.09</b>		<b>250</b>	<b>12.32</b>	<b>688</b>	<b>3.62</b>	<b>27</b>

PROJECT NO.	SHEET NO.
2021CPT.03.14.10821, ETC.	10

## THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4510000000-N	4685000000-E		4695000000-E		4725000000-E				4810000000-E		4840000000-N						
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	LAW ENFORCEMENT	4" X 90 M YELLOW THERMO	4" X 90 M WHITE THERMO	8" X 90 M YELLOW THERMO	8" X 90 M WHITE THERMO	THERMO RT ARROW 90 M	THERMO LT ARROW 90 M	THERMO STR ARROW 90 M	THERMO STR & RT ARROW 90 M	24" YIELD LINE TRIANGLE (90 MIL)	4" YELLOW PAINT	4" WHITE PAINT	PAINT MSG AHEAD	PAINT MSG STOP				
									MI	FT	SF	LS	HR	LF	LF	LF	LF	EA	EA	EA	EA	EA	LF	LF	EA	EA			
2021CPT.03.14.10821	Sampson	1	NC 903 (W. MAGNOLIA-LIBSON RD.)	FROM SR 1134 (LISBON BRIDGE RD.) TO US 421 (DELWAY HWY.) [MP 0.74 - MP 7.11]	1	2	2WU	6.37	20	720	0.38			42,042	67,267								720	720					
<b>TOTAL FOR MAP NO. 1</b>									6.37		720	0.38		42,042	67,267								720	720					
<b>TOTAL FOR PROJ NO. 2021CPT.03.14.10821</b>									6.37		720	0.38		42,042	67,267										720	720			
													109,309						1,440										
2021CPT.03.14.20821	Sampson	2	SR 1515 (AUTRY HWY. / ROSEBORO HWY.)	FROM 0.12 MILES SW OF NC 24 BYPASS TO NC 24 BYPASS (ROSEBORO HWY. / AUTRY HWY.) [MP 0.12 - MP 2.77]	1,2	3	2WU	2.65	24 - 36	384	0.19	40	28,924	12,920	110	726	8	115	1	18	12								
<b>TOTAL FOR MAP NO. 2</b>									2.65		384	0.19	40	28,924	12,920	110	726	8	115	1	18	12							
2021CPT.03.14.20821	Sampson	3	SR 2006 (WILLIAMS ST. / AUTRY HWY.)	FROM CUMBERLAND COUNTY LINE TO 0.22 MILES NE OF NC 24 BYPASS (ROSEBORO HWY. / AUTRY HWY.) [MP 0.00 - MP 0.97]	1,2	2	2WU	0.97	24 - 40		0.07											12,758	19,850						
<b>TOTAL FOR MAP NO. 3</b>									0.97			0.07												12,758	19,850				
2021CPT.03.14.20821	Sampson	4	SR 1435 (BEEDA BRANCH RD.)	FROM SR 1434 (HUNTLEY SCHOOL RD.) TO NC 242 [MP 0.00 - MP 1.27]	3	2	2WU	1.27	20		0.09											21,760	26,822						
<b>TOTAL FOR MAP NO. 4</b>									1.27			0.09													21,760	26,822			
2021CPT.03.14.20821	Sampson	5	SR 1497 (MYRTLE RD.)	FROM SR 1401 (LUCAS RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.81]	3	2	2WU	0.81	20		0.06											20,900	20,900						
<b>TOTAL FOR MAP NO. 5</b>									0.81			0.06													20,900	20,900			
2021CPT.03.14.20821	Sampson	6	SR 1506 (NORTH PINE ST.)	FROM SR 1497 (MYRTLE RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.29]	3	2	2WU	0.29	20		0.03																		
<b>TOTAL FOR MAP NO. 6</b>									0.29			0.03																	
2021CPT.03.14.20821	Sampson	7	SR 1414 (N. GRAY ST. / S. GRAY ST.)	FROM CUMBERLAND COUNTY LINE TO 0.08 MILES NORTH OF NC 24 HWY. [MP 0.00 - MP 0.99]	3	2	2WU	0.99	20		0.07											20,900	20,900	10	8				
<b>TOTAL FOR MAP NO. 7</b>									0.99			0.07													20,900	20,900	10	8	
2021CPT.03.14.20821	Sampson	8	SR 1932 (REEDSFORD RD.)	FROM SR 1934 (BYRD-YANCEY-BASS RD.) TO SR 1933 (BEAMON WOODS RD.) [MP 1.47 - MP 3.21]	4	2	2WU	1.74	18.5		0.11											27,500	36,750						
<b>TOTAL FOR MAP NO. 8</b>									1.74			0.11													27,500	36,750			
<b>TOTAL FOR PROJ NO. 2021CPT.03.14.20821</b>									8.72		384	0.62	40	28,924	12,920	110	726	8	115	1	18	12				103,818	125,222	10	8
													41,844		154				229,040		18								
<b>GRAND TOTAL</b>									15.09		1,104	1.00	40	70,966	80,187	110	726	8	115	1	18	12				104,538	125,942	10	8
													151,153		836				154		230,480		18						

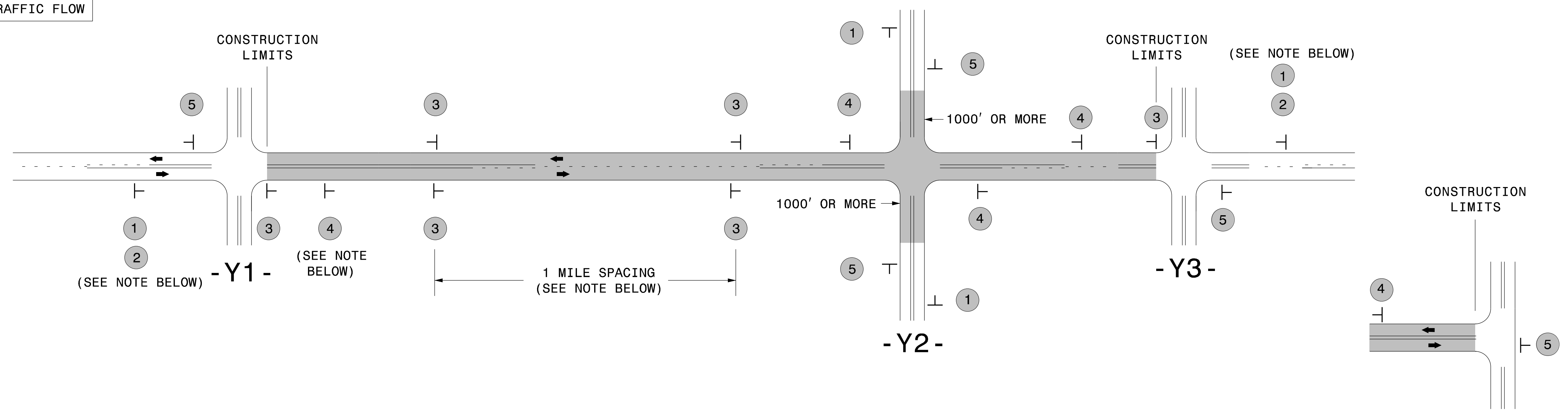
PROJECT NO.	SHEET NO.
2021CPT.03.14.10821, ETC.	11

## THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH		REMOVAL OF PAVEMENT MARKING LINES (4")	4850000000-E	4891000000-E	4900000000-N	4905000000-N			
								MI	FT					24" X 90 M WHITE THERMO	YELLOW & YELLOW MARKERS	SNOW PLOWABLE MARKERS (Y/Y)	SNOW PLOWABLE MARKERS (C/R)
														LF	LF	EA	EA
2021CPT.03.14.10821	Sampson	1	NC 903 (W. MAGNOLIA-LIBSON RD.)	FROM SR 1134 (LISBON BRIDGE RD.) TO US 421 (DELWAY HWY.) [MP 0.74 - MP 7.11]	1	2	2WU	6.37	20	720			3	470			
<b>TOTAL FOR MAP NO. 1</b>								<b>6.37</b>		<b>720</b>			<b>3</b>	<b>470</b>			
<b>TOTAL FOR PROJ NO. 2021CPT.03.14.10821</b>								<b>6.37</b>		<b>720</b>			<b>3</b>	<b>470</b>			
														<b>470</b>			
2021CPT.03.14.20821	Sampson	2	SR 1515 (AUTRY HWY. / ROSEBORO HWY.)	FROM 0.12 MILES SW OF NC 24 BYPASS TO NC 24 BYPASS (ROSEBORO HWY. / AUTRY HWY.) [MP 0.12 - MP 2.77]	1,2	3	2WU	2.65	24 - 36				717	321	122		
<b>TOTAL FOR MAP NO. 2</b>								<b>2.65</b>					<b>717</b>	<b>321</b>	<b>122</b>		
2021CPT.03.14.20821	Sampson	3	SR 2006 (WILLIAMS ST. / AUTRY HWY.)	FROM CUMBERLAND COUNTY LINE TO 0.22 MILES NE OF NC 24 BYPASS (ROSEBORO HWY. / AUTRY HWY.) [MP 0.00 - MP 0.97]	1,2	2	2WU	0.97	24 - 40				70				
<b>TOTAL FOR MAP NO. 3</b>								<b>0.97</b>					<b>70</b>				
2021CPT.03.14.20821	Sampson	4	SR 1435 (BEEDA BRANCH RD.)	FROM SR 1434 (HUNTLEY SCHOOL RD.) TO NC 242 [MP 0.00 - MP 1.27]	3	2	2WU	1.27	20				84				
<b>TOTAL FOR MAP NO. 4</b>								<b>1.27</b>					<b>84</b>				
2021CPT.03.14.20821	Sampson	5	SR 1497 (MYRTLE RD.)	FROM SR 1401 (LUCAS RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.81]	3	2	2WU	0.81	20				66				
<b>TOTAL FOR MAP NO. 5</b>								<b>0.81</b>					<b>66</b>				
2021CPT.03.14.20821	Sampson	6	SR 1506 (NORTH PINE ST.)	FROM SR 1497 (MYRTLE RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.29]	3	2	2WU	0.29	20								
<b>TOTAL FOR MAP NO. 6</b>								<b>0.29</b>									
2021CPT.03.14.20821	Sampson	7	SR 1414 (N. GRAY ST. / S. GRAY ST.)	FROM CUMBERLAND COUNTY LINE TO 0.08 MILES NORTH OF NC 24 HWY. [MP 0.00 - MP 0.99]	3	2	2WU	0.99	20				66				
<b>TOTAL FOR MAP NO. 7</b>								<b>0.99</b>					<b>66</b>				
2021CPT.03.14.20821	Sampson	8	SR 1932 (REEDSFORD RD.)	FROM SR 1934 (BYRD-YANCEY-BASS RD.) TO SR 1933 (BEAMON WOODS RD.) [MP 1.47 - MP 3.21]	4	2	2WU	1.74	18.5				115				
<b>TOTAL FOR MAP NO. 8</b>								<b>1.74</b>					<b>115</b>				
<b>TOTAL FOR PROJ NO. 2021CPT.03.14.20821</b>								<b>8.72</b>					<b>717</b>	<b>401</b>	<b>321</b>	<b>122</b>	
														<b>443</b>			
<b>GRAND TOTAL</b>										<b>15.09</b>		<b>720</b>	<b>717</b>	<b>404</b>	<b>791</b>	<b>122</b>	
														<b>913</b>			

# SIGNING FOR RESURFACING PROJECTS

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



## MAINLINE (-L-) SIGNING

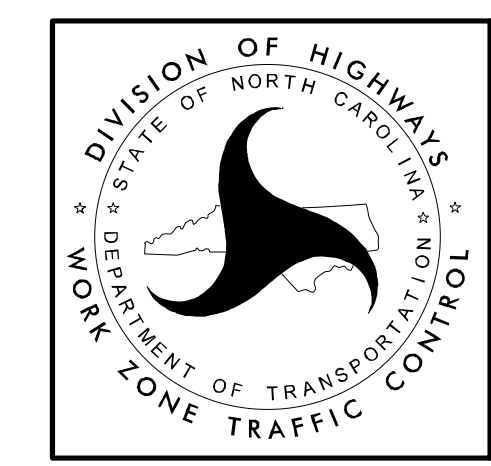
## -Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1		PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> <li>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>2) SUBDIVISION ROADS</li> <li>3) DEAD END ROADS</li> </ol> <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">             W20-1 48" X 48"            PLACED 500' IN ADVANCE OF FLAGGER.         </div> <div style="text-align: center;">             W20-7 A 48" X 48"            PLACED 250' IN ADVANCE OF FLAGGER.         </div> </div>
	2		#2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)	
	3		- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.	
	4		- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. - DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. - INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. - FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. - A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.	
	5		PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.	

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

### MAPS LESS THAN 2 MILES

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



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

