

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
HIGHWAY DIVISION 6

**PLANS – REVISED – 3-1-2018**

**Letting Date: March 7, 2018**

**CONTRACT ID: DF00204**

**TIP NO.: -----**

**FEDERAL AID NO.: STATE FUNDED**

**WBS ELEMENT NO.: 2019CPT.06.07.10781.1 & 2019CPT.06.07.20781.1**

**ROUTE NO.: US 301, US 501, NC 72 & VARIOUS SR**

**LOCATION: VARIOUS**

**COUNTY: ROBESON**

**LENGTH OF PROJECT: 39.11 MILES**

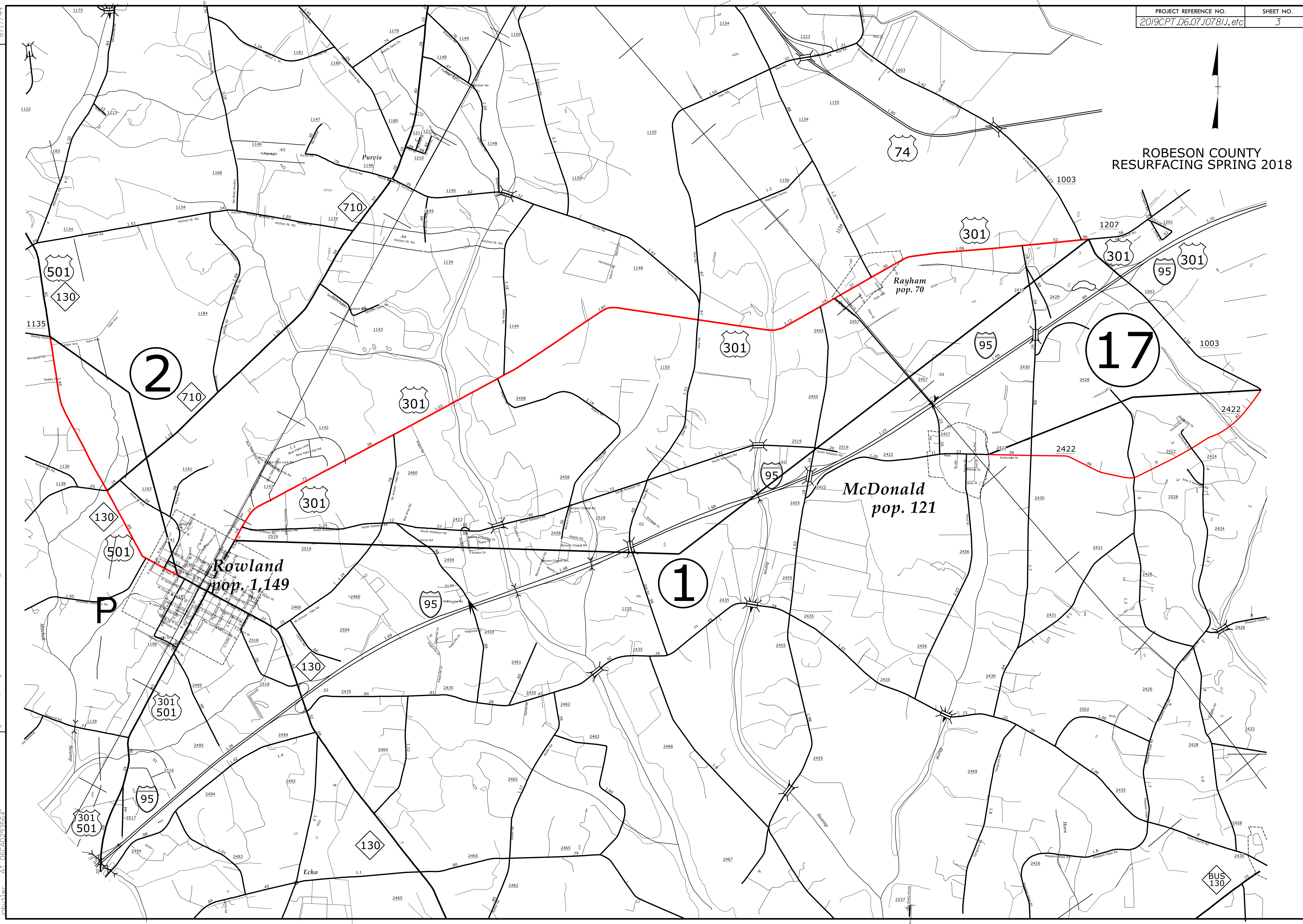
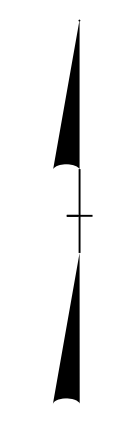
**TYPE OF WORK: RESURFACING, WIDENING & PVT. MKGS.**

**This electronic collection of documents is provided  
for the convenience of the user  
and is Not a Certified Document –**

**The documents contained herein were originally issued  
and sealed by the individuals whose names and license  
numbers appear on each page, on the dates appearing  
with their signature on that page.**

**This file or an individual page  
shall not be considered a certified document.**

ROBESON COUNTY RESURFACING SPRING 2018



REVISIONS

9/16/18 11:45 AM C:\Users\mcc\Documents\Projects\2018\_Spring\Robeson\MS\_ENG.dgn

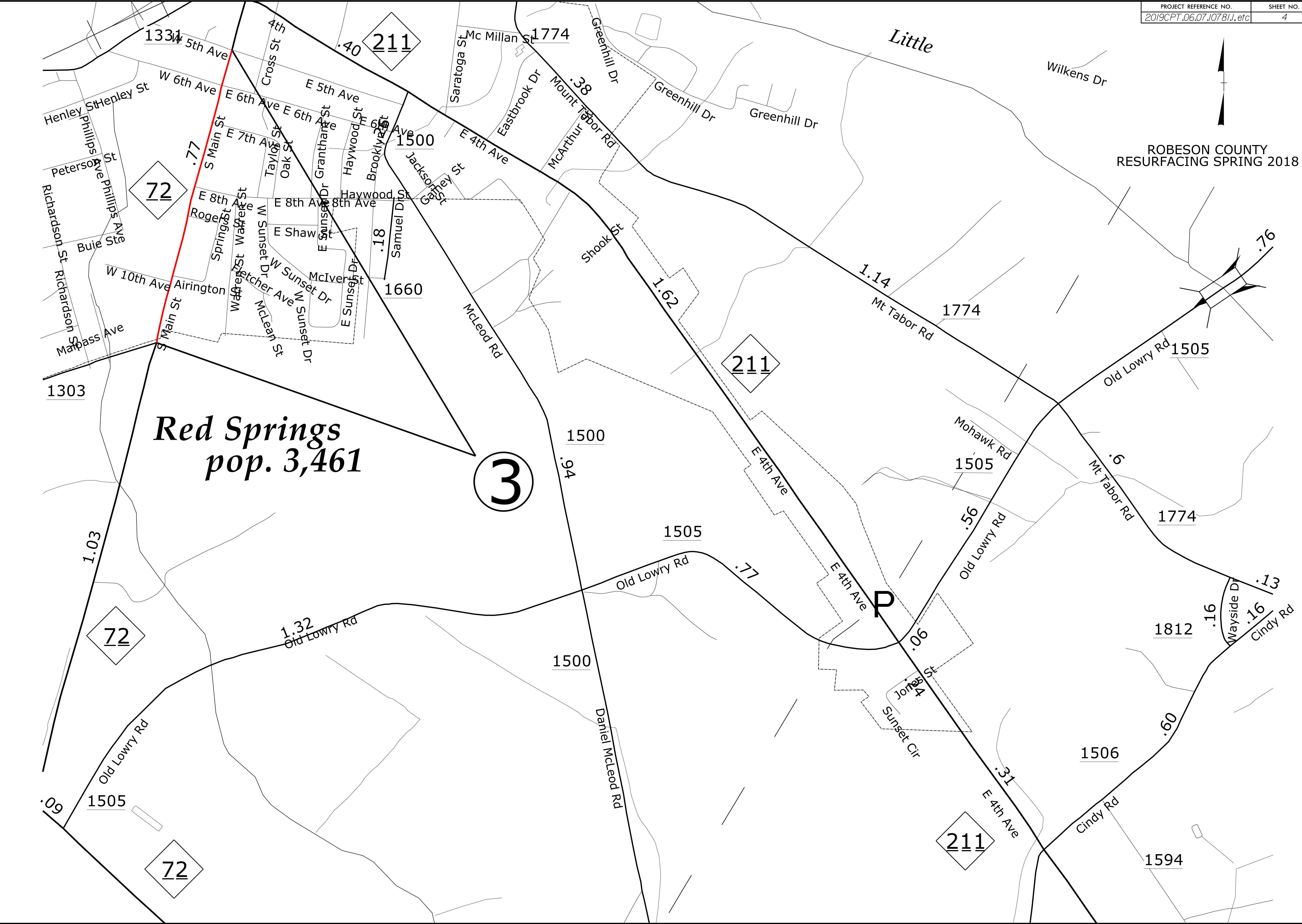
ROBESON COUNTY  
RESURFACING SPRING 2018



8/17/99

REVISIONS

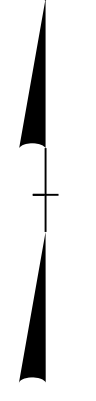
9-16-FEB-2008 1:45  
F:\Projects\2018\_Springs\Projects\Let\Resurfacing\2018\_Springs\DWG\ROBESON\_MS.ENG.dgn  
Author: MFC/3/2008



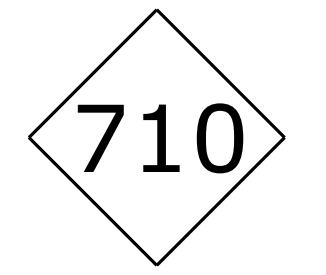
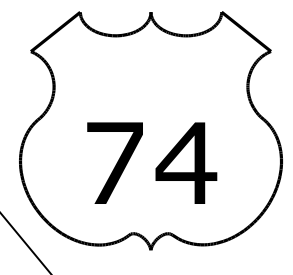
**Red Springs**  
pop. 3,461

3

P



ROBESON COUNTY RESURFACING SPRING 2018



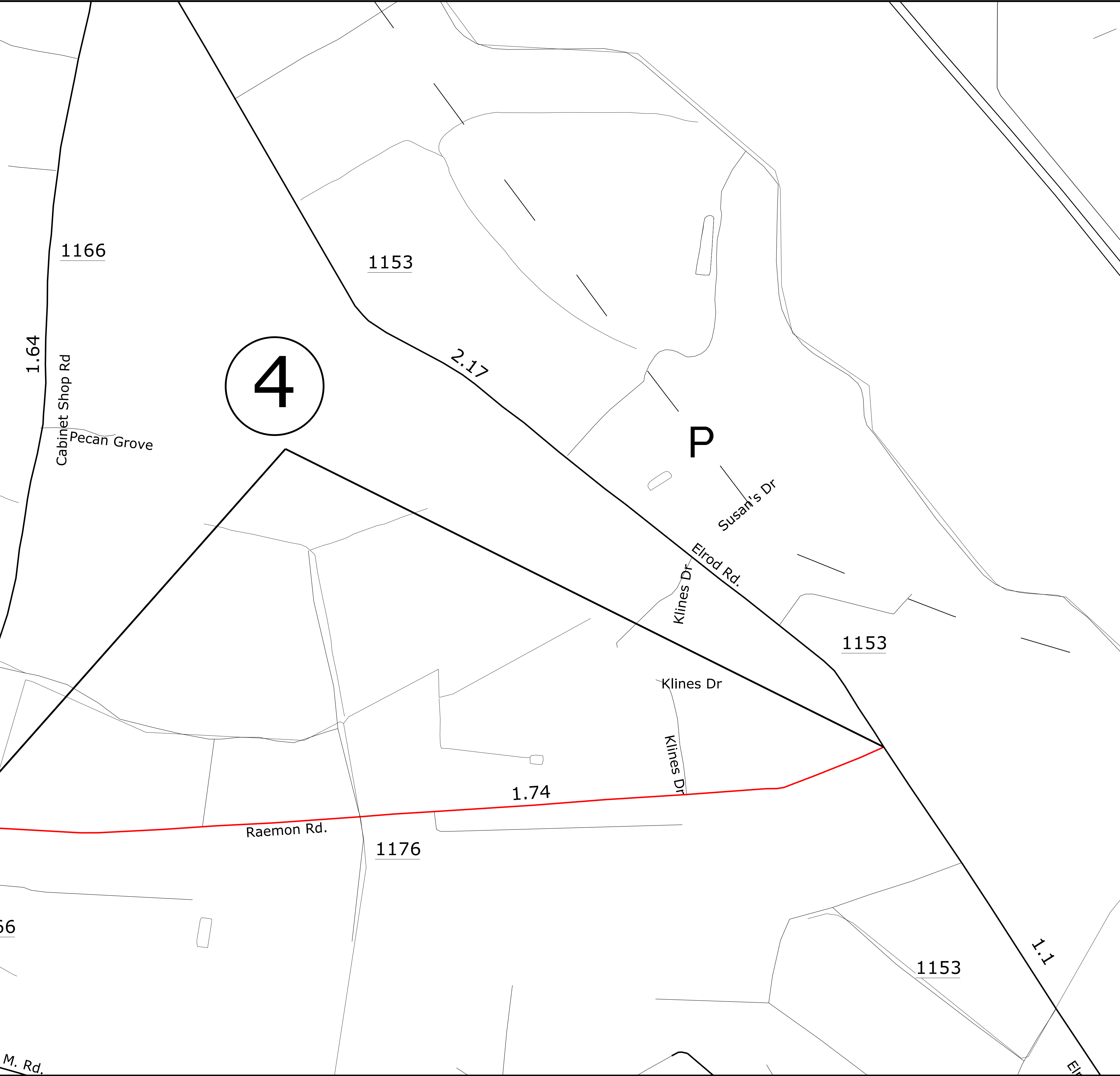
4

P

REVISIONS

8/17/99

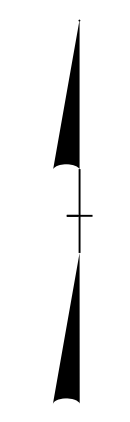
D:\FEB-2008\15746\15746\Projects\Let\Resurfacing\2018\_Spr\rap\1\CLIN\ROBESON.MS\_ENG.dgn  
Date Plotted: 8/16/2018 11:23:52 AM  
Plot Scale: 1:1



Tom M. Rd.

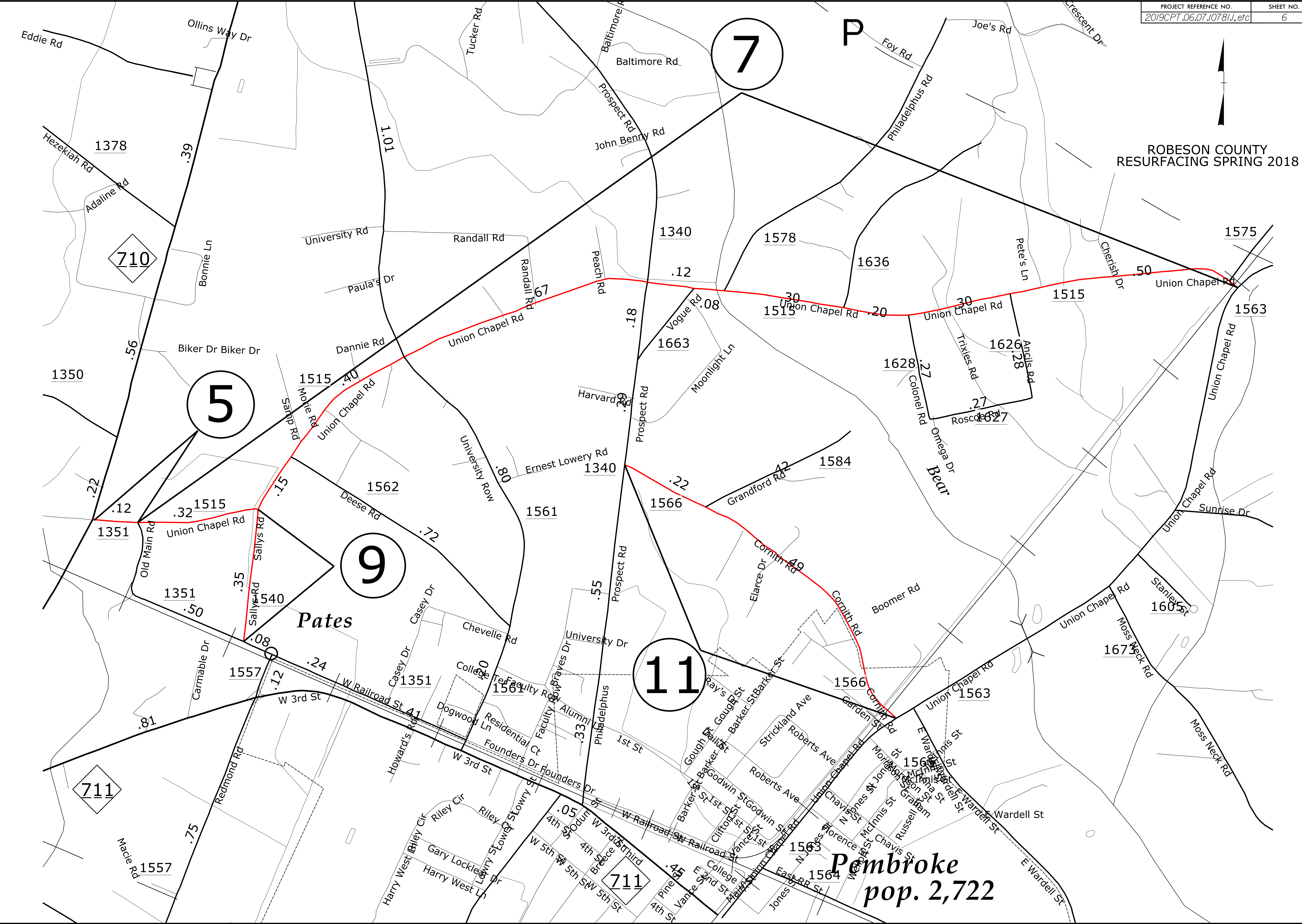
Elrod P

ROBESON COUNTY RESURFACING SPRING 2018



8/17/99  
9/16/08  
1/24/09  
4/16/09  
10/23/09  
1/20/10  
4/22/10  
8/17/10  
1/20/11  
4/22/11  
8/17/11  
1/20/12  
4/22/12  
8/17/12  
1/20/13  
4/22/13  
8/17/13  
1/20/14  
4/22/14  
8/17/14  
1/20/15  
4/22/15  
8/17/15  
1/20/16  
4/22/16  
8/17/16  
1/20/17  
4/22/17  
8/17/17  
1/20/18  
4/22/18  
8/17/18  
1/20/19  
4/22/19  
8/17/19  
1/20/20  
4/22/20  
8/17/20  
1/20/21  
4/22/21  
8/17/21  
1/20/22  
4/22/22  
8/17/22  
1/20/23  
4/22/23  
8/17/23  
1/20/24  
4/22/24  
8/17/24  
1/20/25  
4/22/25  
8/17/25  
1/20/26  
4/22/26  
8/17/26  
1/20/27  
4/22/27  
8/17/27  
1/20/28  
4/22/28  
8/17/28  
1/20/29  
4/22/29  
8/17/29  
1/20/30  
4/22/30  
8/17/30  
1/20/31  
4/22/31  
8/17/31  
1/20/32  
4/22/32  
8/17/32  
1/20/33  
4/22/33  
8/17/33  
1/20/34  
4/22/34  
8/17/34  
1/20/35  
4/22/35  
8/17/35  
1/20/36  
4/22/36  
8/17/36  
1/20/37  
4/22/37  
8/17/37  
1/20/38  
4/22/38  
8/17/38  
1/20/39  
4/22/39  
8/17/39  
1/20/40  
4/22/40  
8/17/40  
1/20/41  
4/22/41  
8/17/41  
1/20/42  
4/22/42  
8/17/42  
1/20/43  
4/22/43  
8/17/43  
1/20/44  
4/22/44  
8/17/44  
1/20/45  
4/22/45  
8/17/45  
1/20/46  
4/22/46  
8/17/46  
1/20/47  
4/22/47  
8/17/47  
1/20/48  
4/22/48  
8/17/48  
1/20/49  
4/22/49  
8/17/49  
1/20/50  
4/22/50  
8/17/50  
1/20/51  
4/22/51  
8/17/51  
1/20/52  
4/22/52  
8/17/52  
1/20/53  
4/22/53  
8/17/53  
1/20/54  
4/22/54  
8/17/54  
1/20/55  
4/22/55  
8/17/55  
1/20/56  
4/22/56  
8/17/56  
1/20/57  
4/22/57  
8/17/57  
1/20/58  
4/22/58  
8/17/58  
1/20/59  
4/22/59  
8/17/59  
1/20/60  
4/22/60  
8/17/60  
1/20/61  
4/22/61  
8/17/61  
1/20/62  
4/22/62  
8/17/62  
1/20/63  
4/22/63  
8/17/63  
1/20/64  
4/22/64  
8/17/64  
1/20/65  
4/22/65  
8/17/65  
1/20/66  
4/22/66  
8/17/66  
1/20/67  
4/22/67  
8/17/67  
1/20/68  
4/22/68  
8/17/68  
1/20/69  
4/22/69  
8/17/69  
1/20/70  
4/22/70  
8/17/70  
1/20/71  
4/22/71  
8/17/71  
1/20/72  
4/22/72  
8/17/72  
1/20/73  
4/22/73  
8/17/73  
1/20/74  
4/22/74  
8/17/74  
1/20/75  
4/22/75  
8/17/75  
1/20/76  
4/22/76  
8/17/76  
1/20/77  
4/22/77  
8/17/77  
1/20/78  
4/22/78  
8/17/78  
1/20/79  
4/22/79  
8/17/79  
1/20/80  
4/22/80  
8/17/80  
1/20/81  
4/22/81  
8/17/81  
1/20/82  
4/22/82  
8/17/82  
1/20/83  
4/22/83  
8/17/83  
1/20/84  
4/22/84  
8/17/84  
1/20/85  
4/22/85  
8/17/85  
1/20/86  
4/22/86  
8/17/86  
1/20/87  
4/22/87  
8/17/87  
1/20/88  
4/22/88  
8/17/88  
1/20/89  
4/22/89  
8/17/89  
1/20/90  
4/22/90  
8/17/90  
1/20/91  
4/22/91  
8/17/91  
1/20/92  
4/22/92  
8/17/92  
1/20/93  
4/22/93  
8/17/93  
1/20/94  
4/22/94  
8/17/94  
1/20/95  
4/22/95  
8/17/95  
1/20/96  
4/22/96  
8/17/96  
1/20/97  
4/22/97  
8/17/97  
1/20/98  
4/22/98  
8/17/98  
1/20/99  
4/22/99  
8/17/99

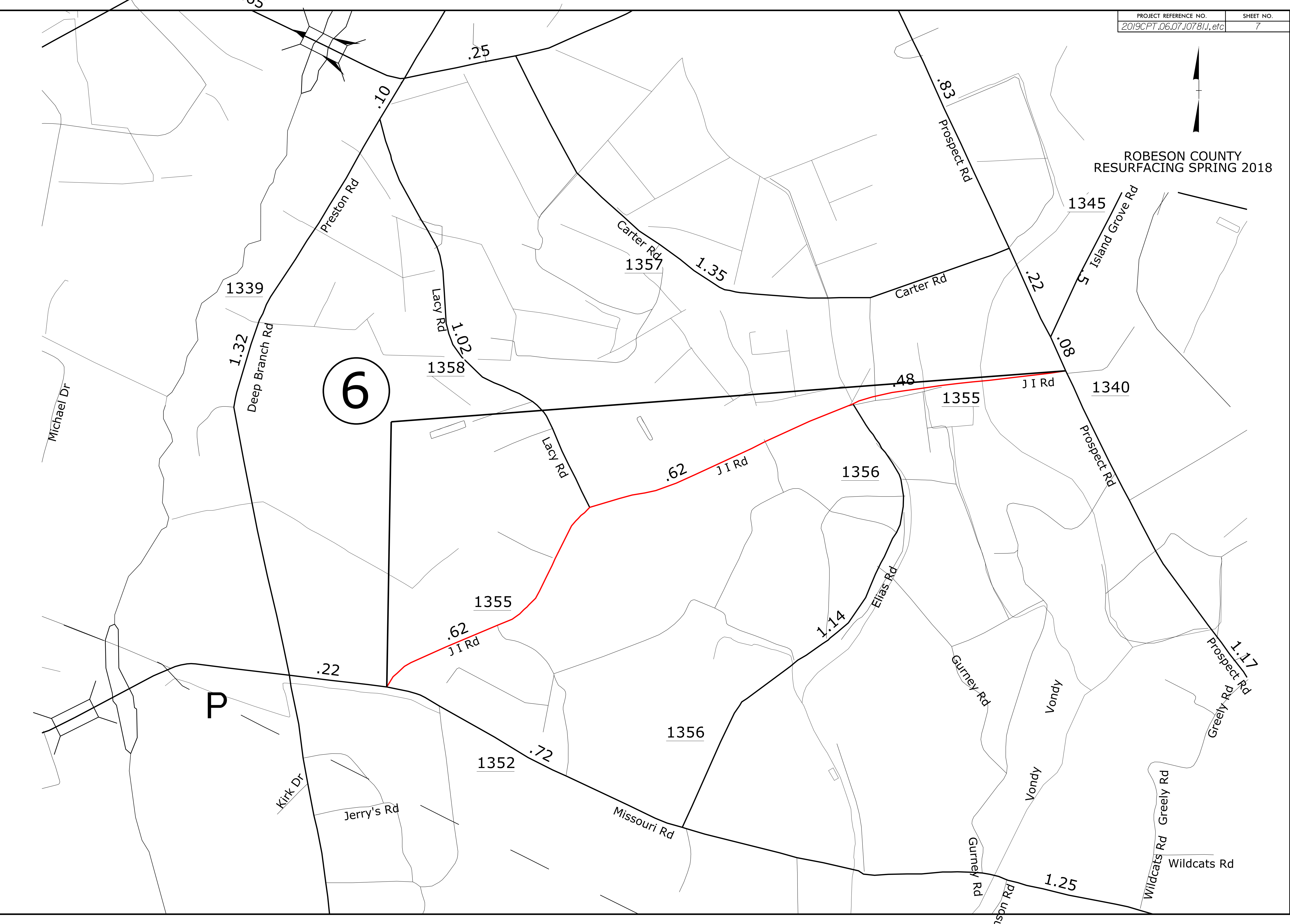
REVISIONS



Pembroke  
pop. 2,722



**ROBESON COUNTY  
RESURFACING SPRING 2018**



**REVISIONS**


8/17/99  
91-FEB-2008 15:46  
F:\Projects\2018\_SprResurf\192018\_SprResurf\1\C1\ROBESON\_MS.ENG.dgn  
M:\Projects\2018\_SprResurf\192018\_SprResurf\1\C1\ROBESON\_MS.ENG.dgn  
Author:   
Plotter:   
1/16/2008 1:24:50 PM



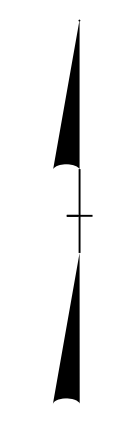








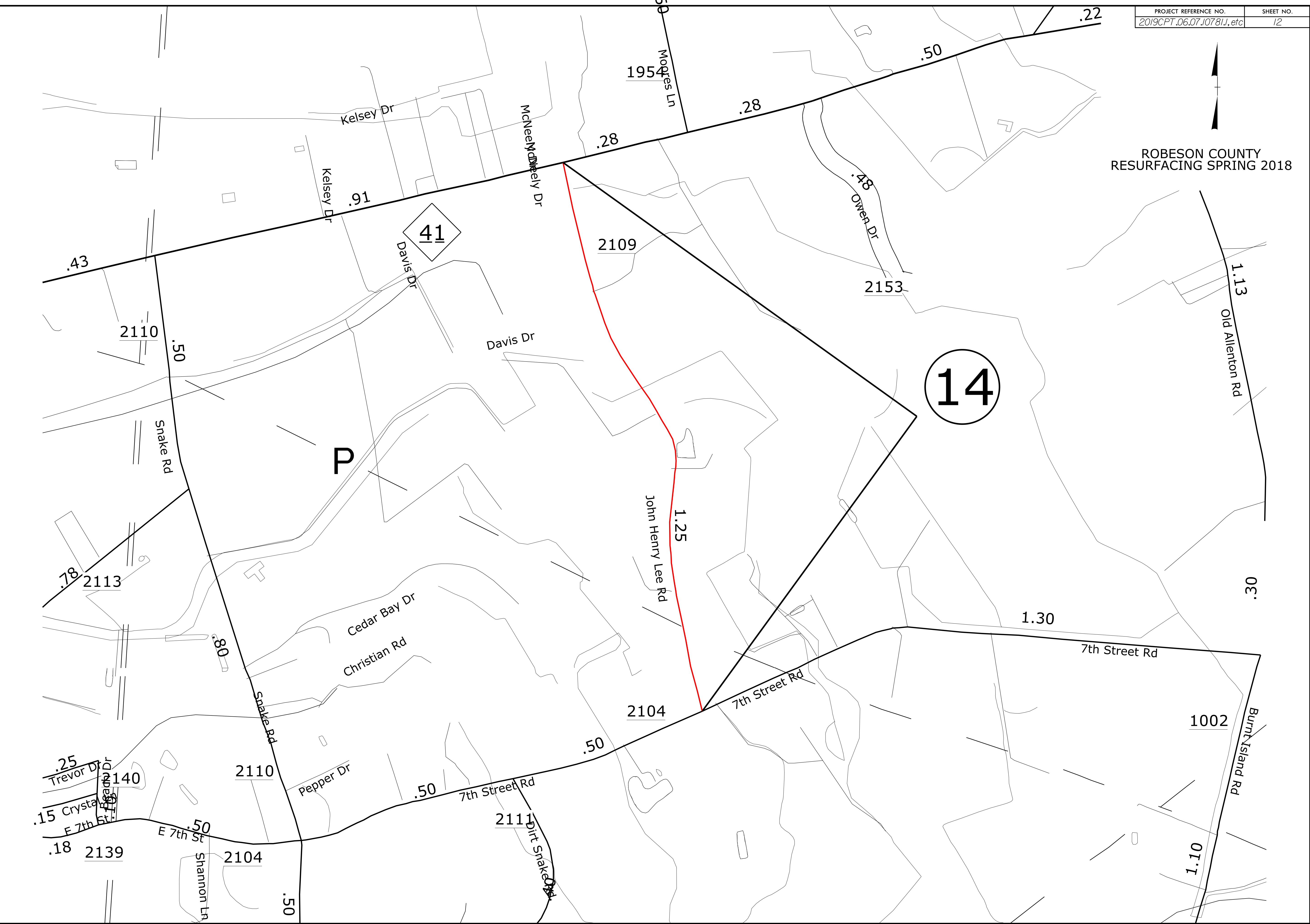
ROBESON COUNTY  
RESURFACING SPRING 2018



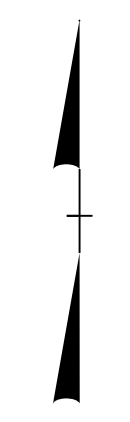
8/17/99

REVISIONS

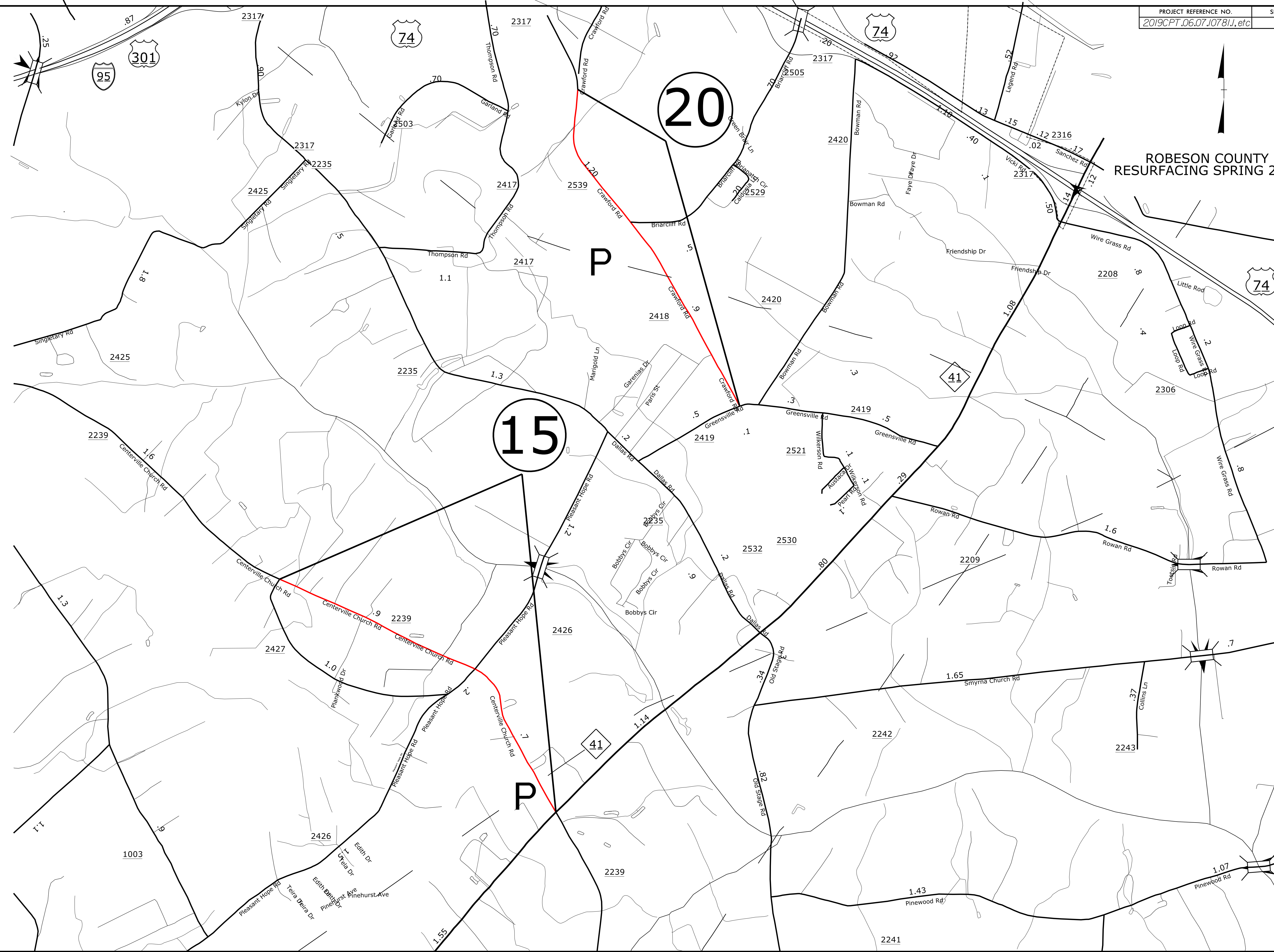

91-FEB-2008, 15:48  
 I:\Projects\2018\2019CPT\06\07\10781\ROBESON\_MS\_ENG.dgn  
 Author: ALICIA



195 Madres Ln  
 .22  
 .50  
 .28  
 .28  
 .48 Owen Dr  
 .91  
 Kelsey Dr  
 McNeely Dr  
 2109  
 2153  
 1.13  
 Old Allenton Rd  
 03  
 .25  
 .78  
 2110  
 .50  
 Snake Rd  
 P  
 41  
 Davis Dr  
 2104  
 1.25  
 John Henry Lee Rd  
 1.30  
 7th Street Rd  
 1002  
 Burnt Island Rd  
 1.10  
 .18  
 2139  
 .15 Crystal Dr  
 E 7th St  
 .50  
 Shannon Ln  
 2104  
 .50  
 2111  
 Dirt Snake Rd  
 .50  
 7th Street Rd  
 2104  
 .50  
 2110  
 Pepper Dr  
 Christian Rd  
 Cedar Bay Dr  
 .80  
 Snake Rd  
 .50



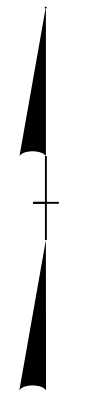
ROBESON COUNTY  
RESURFACING SPRING 2018



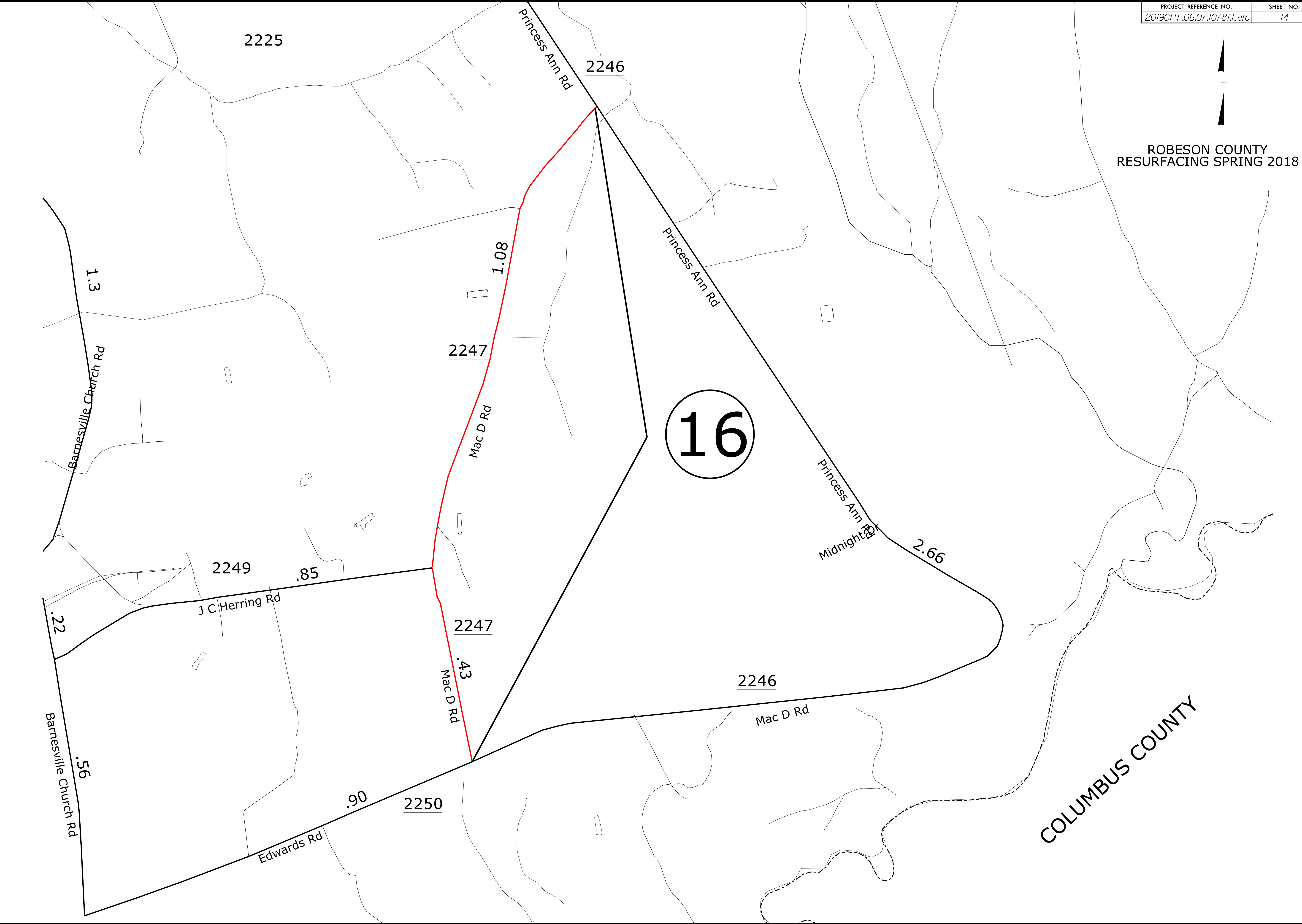
**REVISIONS**

NO.	DATE	DESCRIPTION

01-FEB-2008 15:49  
 C:\Users\mcf\Documents\Projects\Let\Resurfacing\2018\_Spr\Map\DL\CL\ROBESON\_MS.ENG.dgn  
 8/17/99



ROBESON COUNTY  
RESURFACING SPRING 2018



16

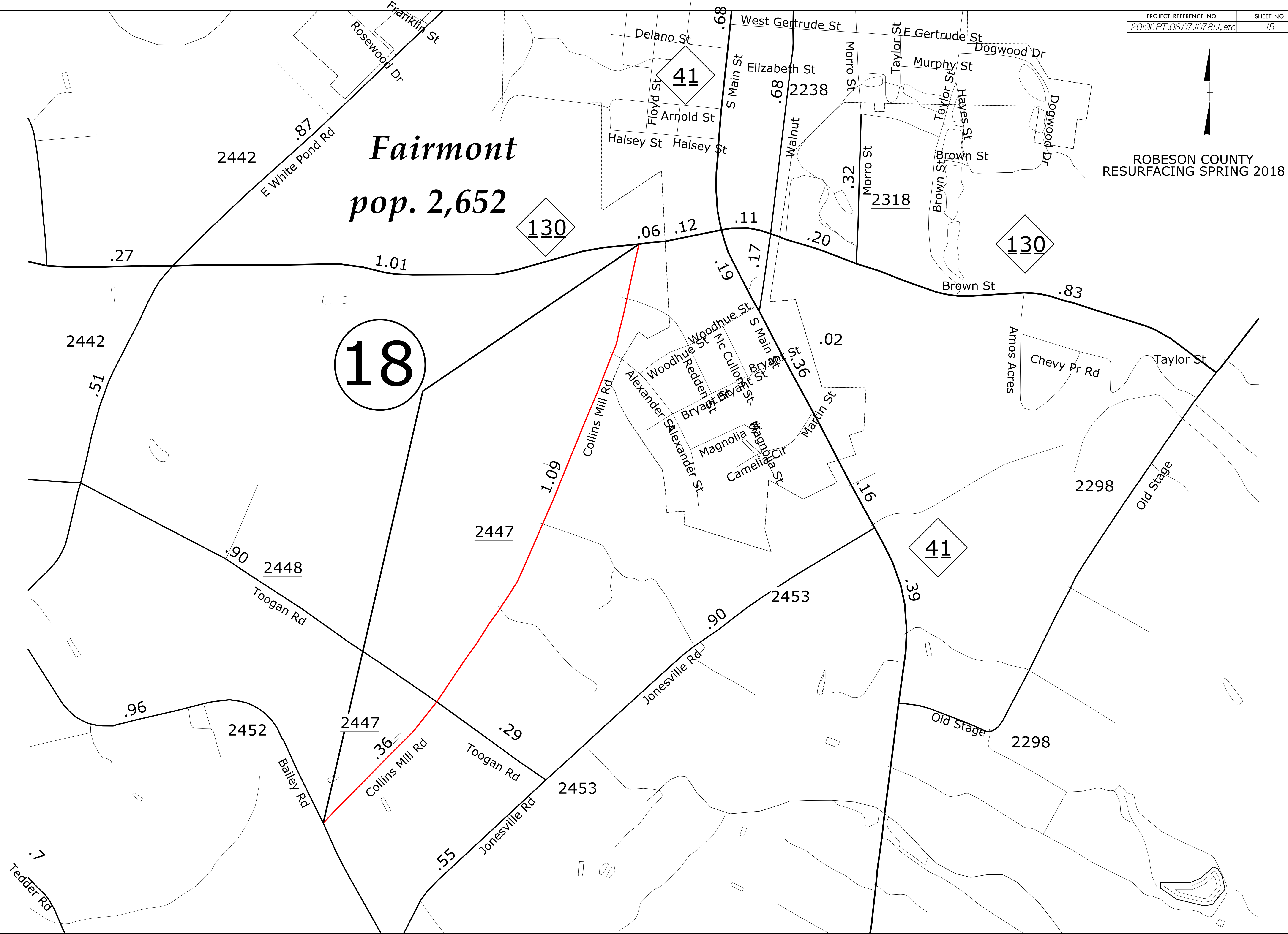
COLUMBUS COUNTY

REVISIONS

8/17/99  
91-FEB-2008 13:49  
PROJECT: 2019CPT.06.07.10781.1, etc  
DRAWN BY: A. J. C. / S. J. C.  
CHECKED BY: M. J. C.  
FILE: C:\Users\A. J. C.\Desktop\Projects\Let\Resurfacing\2018\2018\_Spr\map\14\14\_10781.1\_1.dwg  
SCALE: AS SHOWN



# Fairmont pop. 2,652



130

130

18

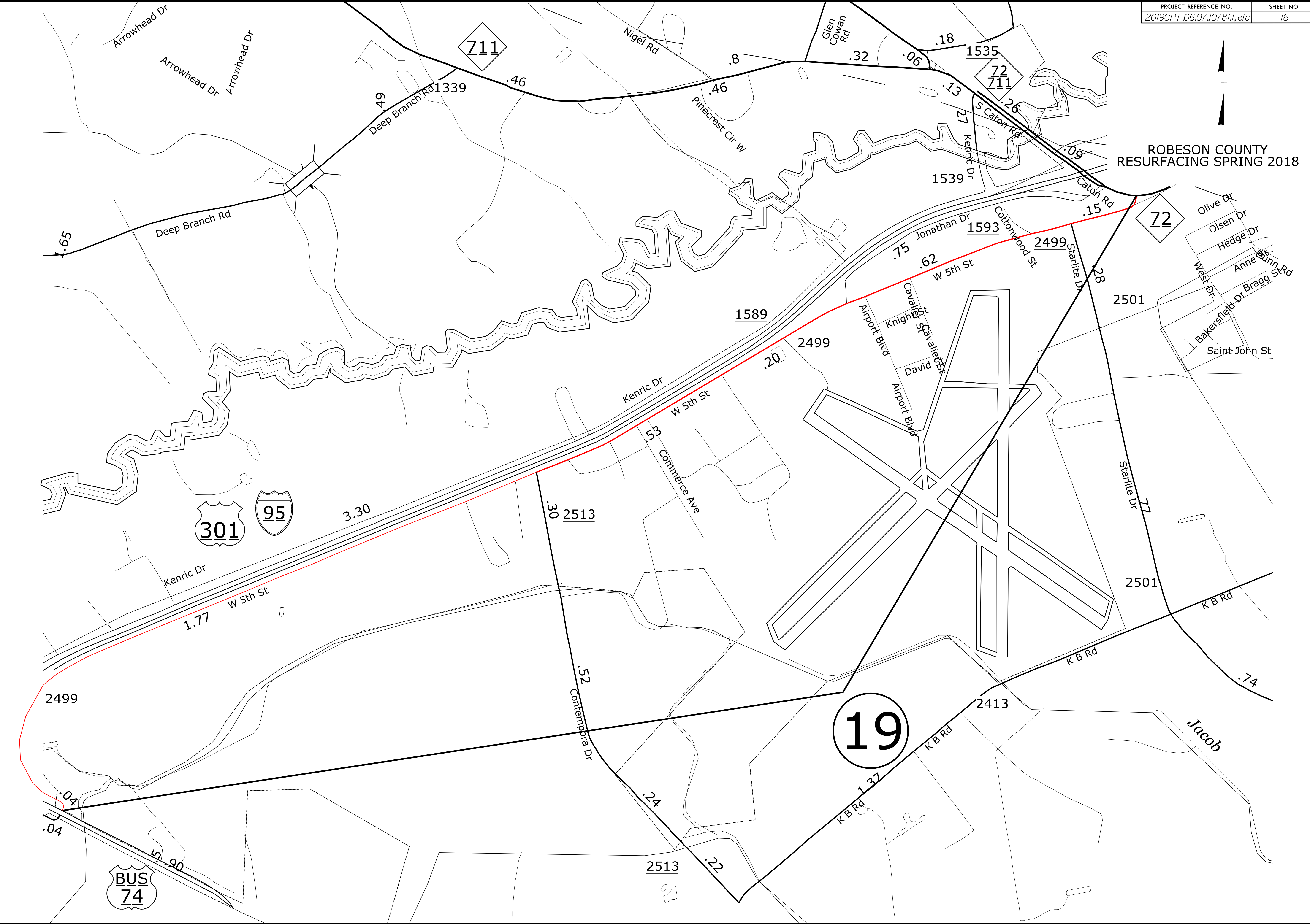
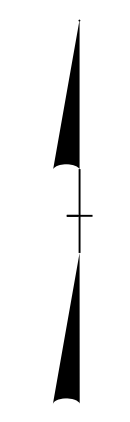
41

41

NO.	DATE	BY	DESCRIPTION

8/17/99  
01-FEB-2008 15:49  
C:\Users\MS-ENGIN\Documents\Projects\Let\Resurfacing\2018\_Spr\map\LIN\ROBESON\_MS\_ENG.dgn

ROBESON COUNTY  
RESURFACING SPRING 2018



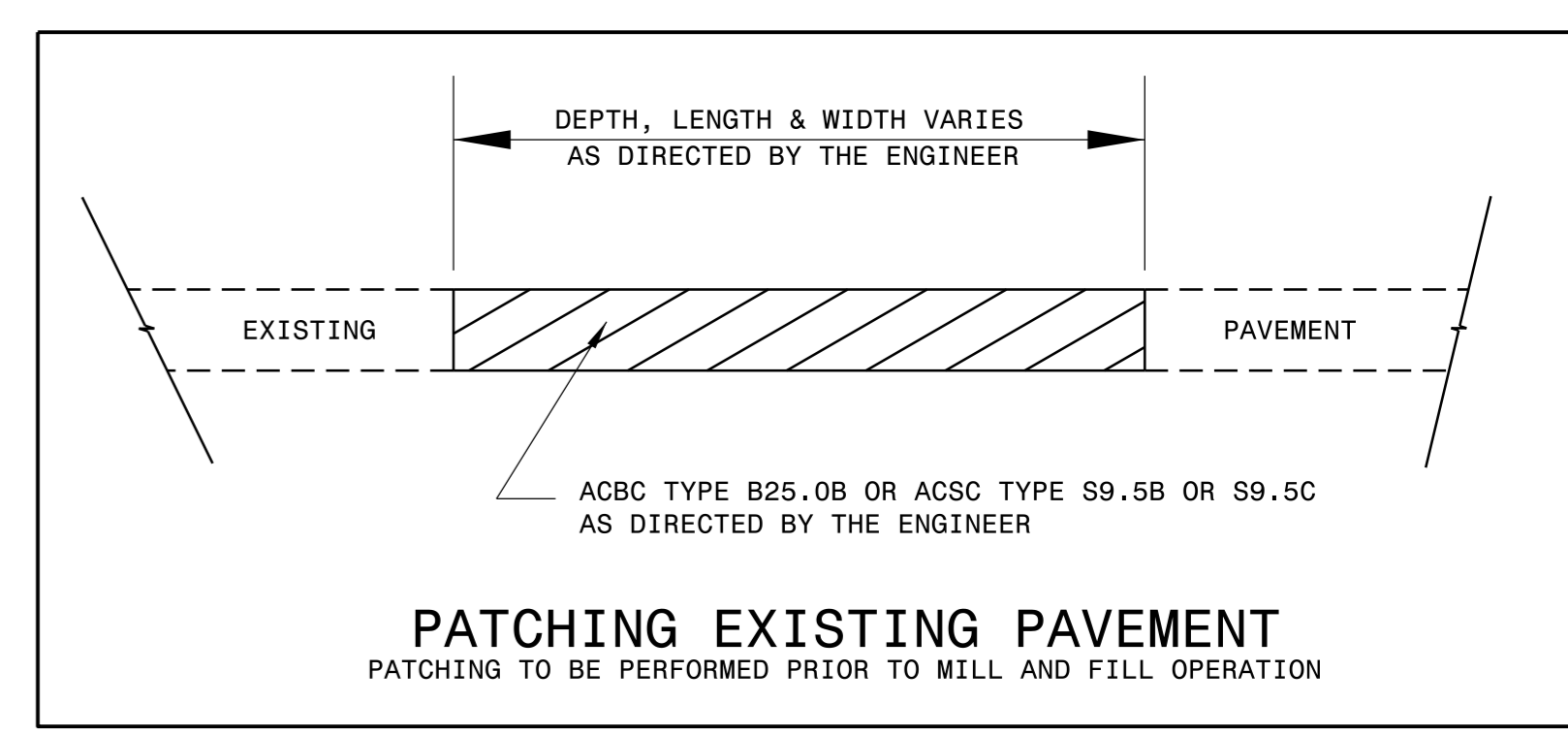
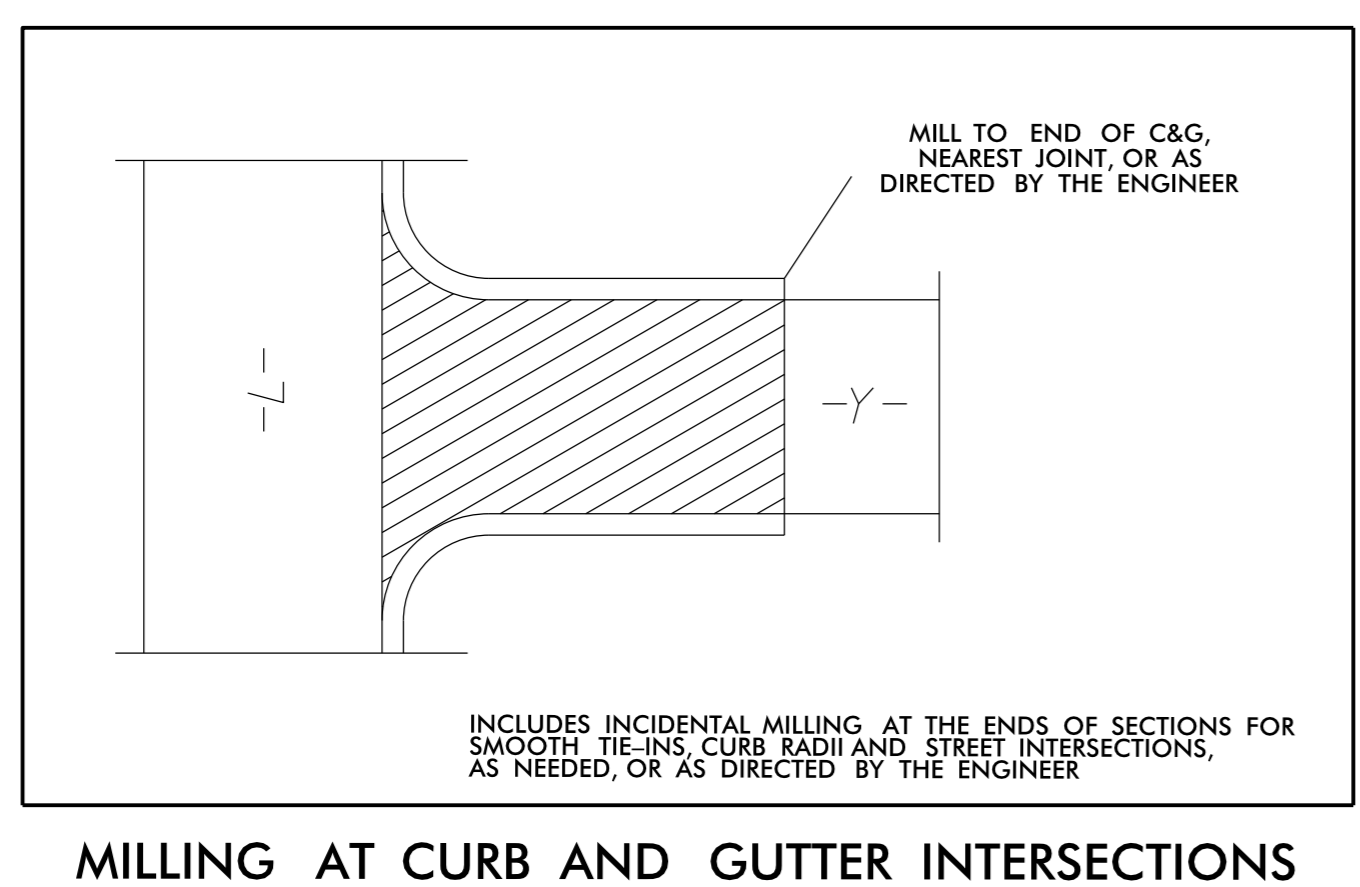
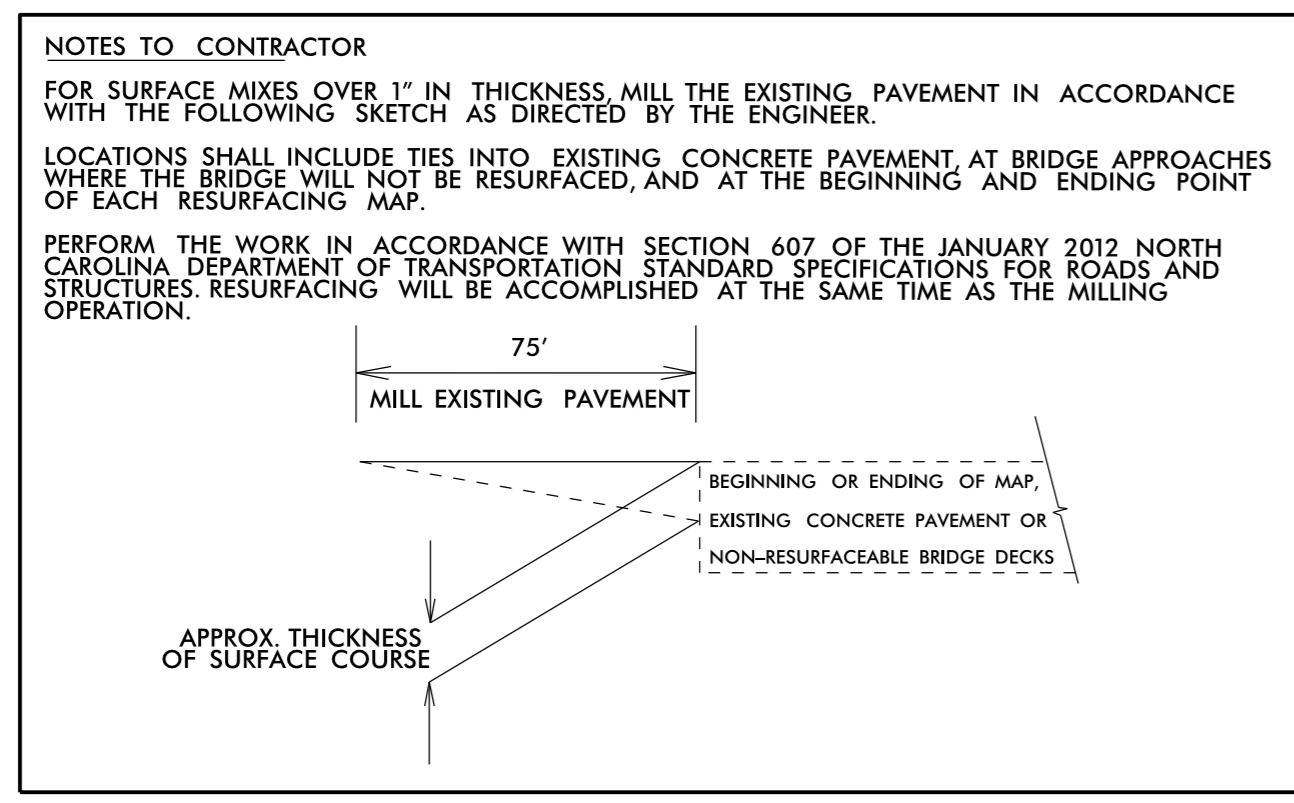
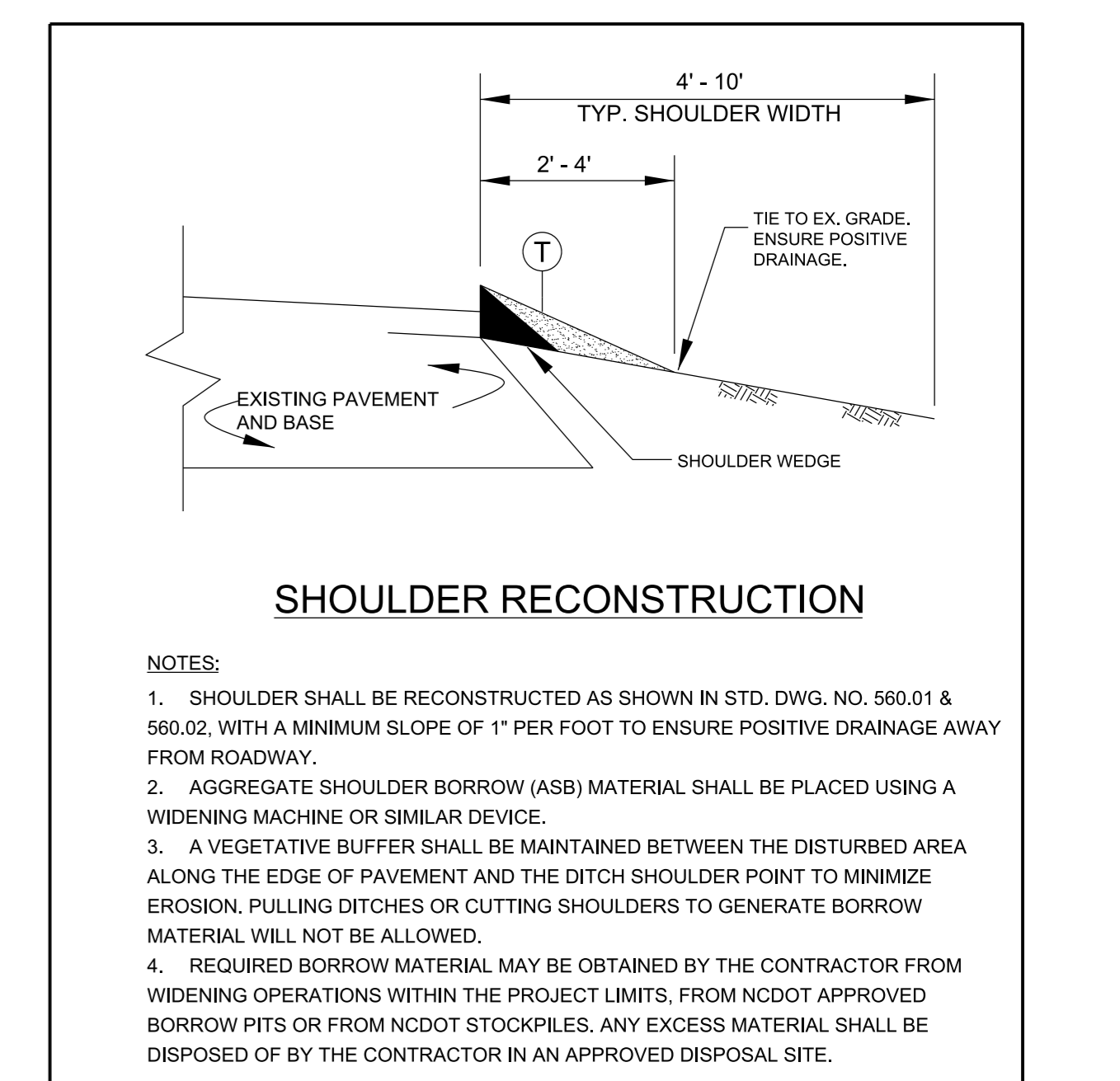
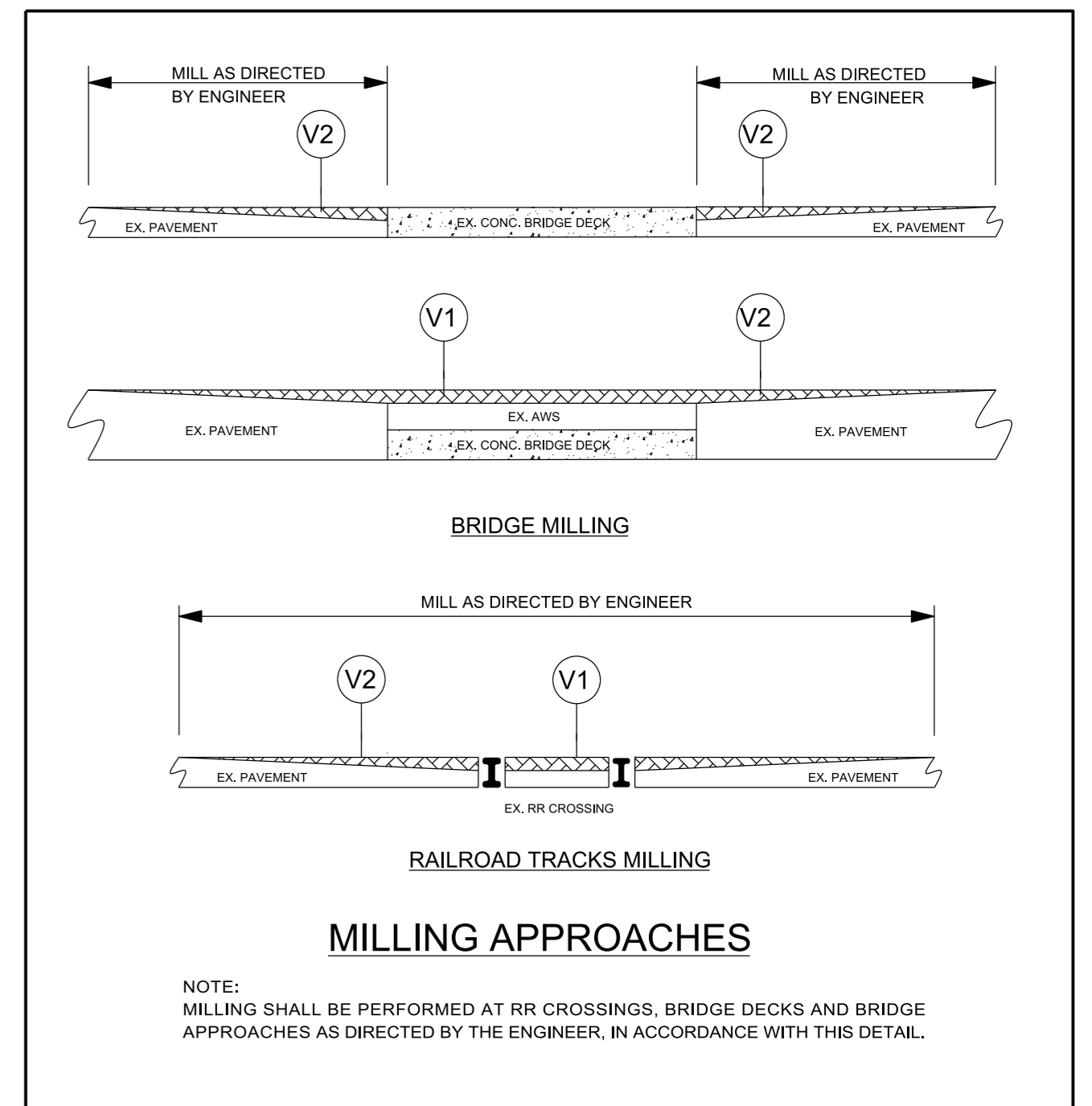
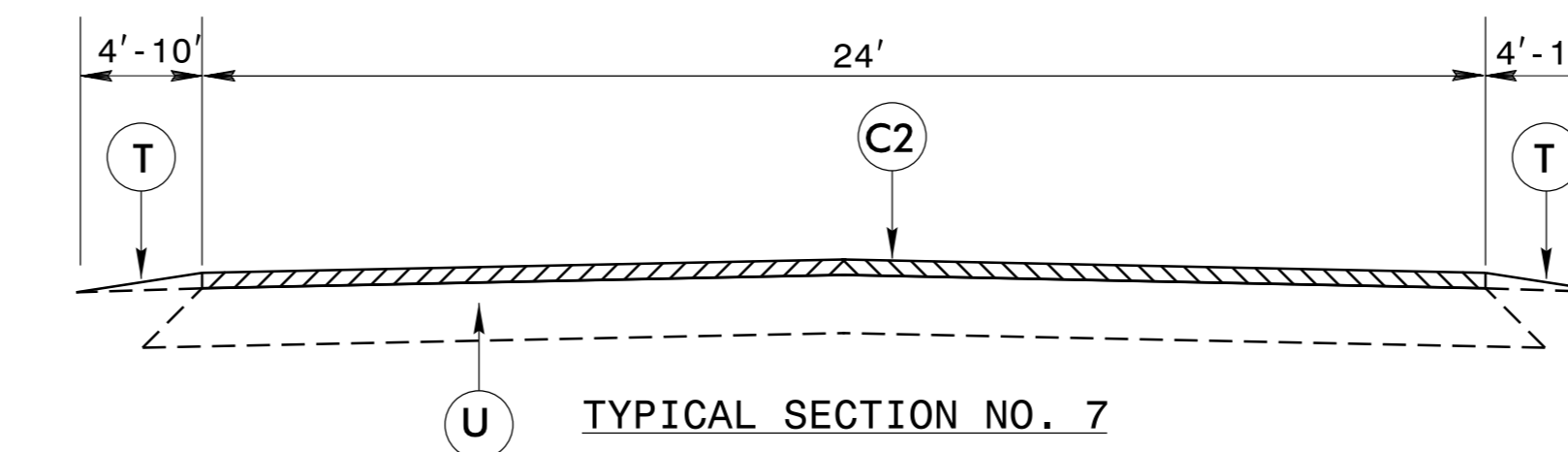
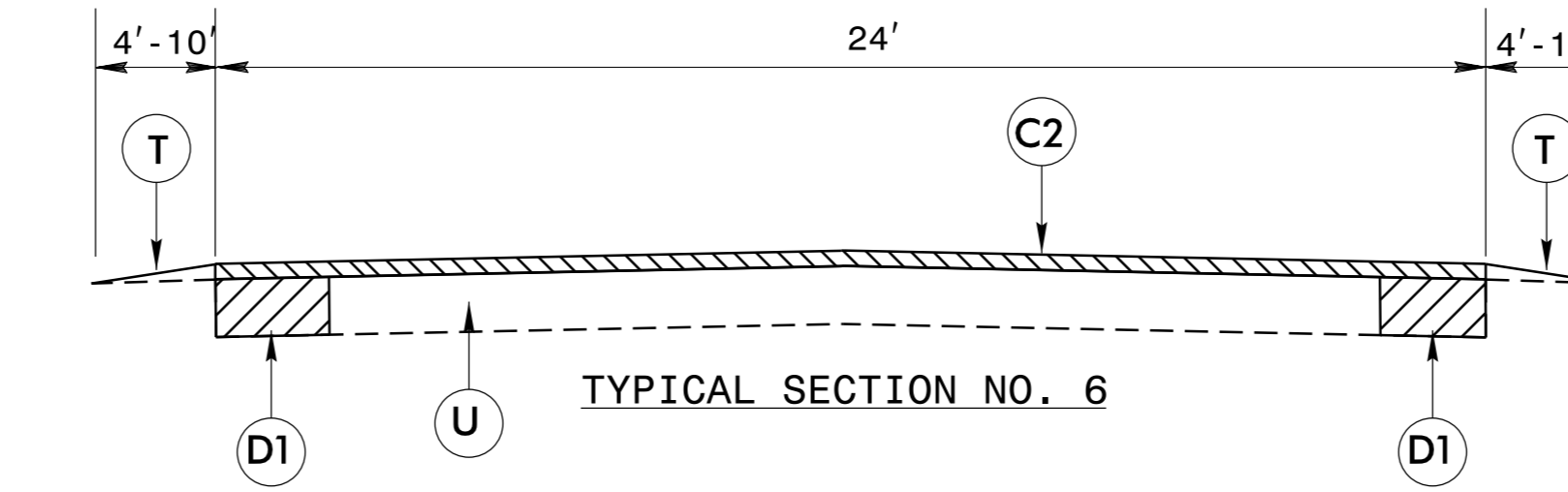
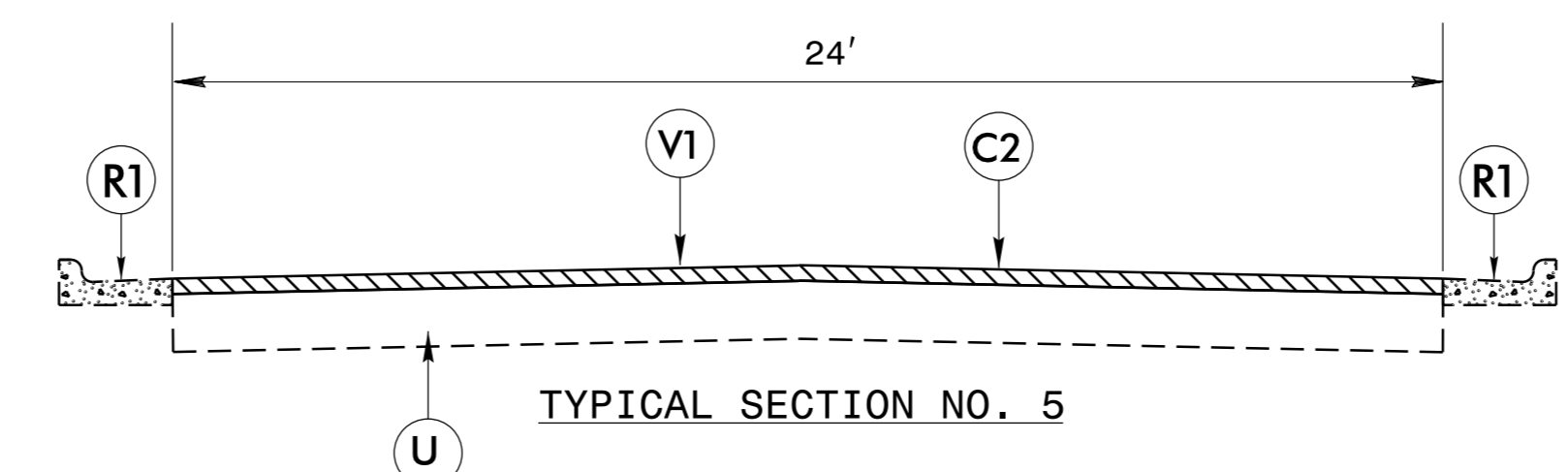
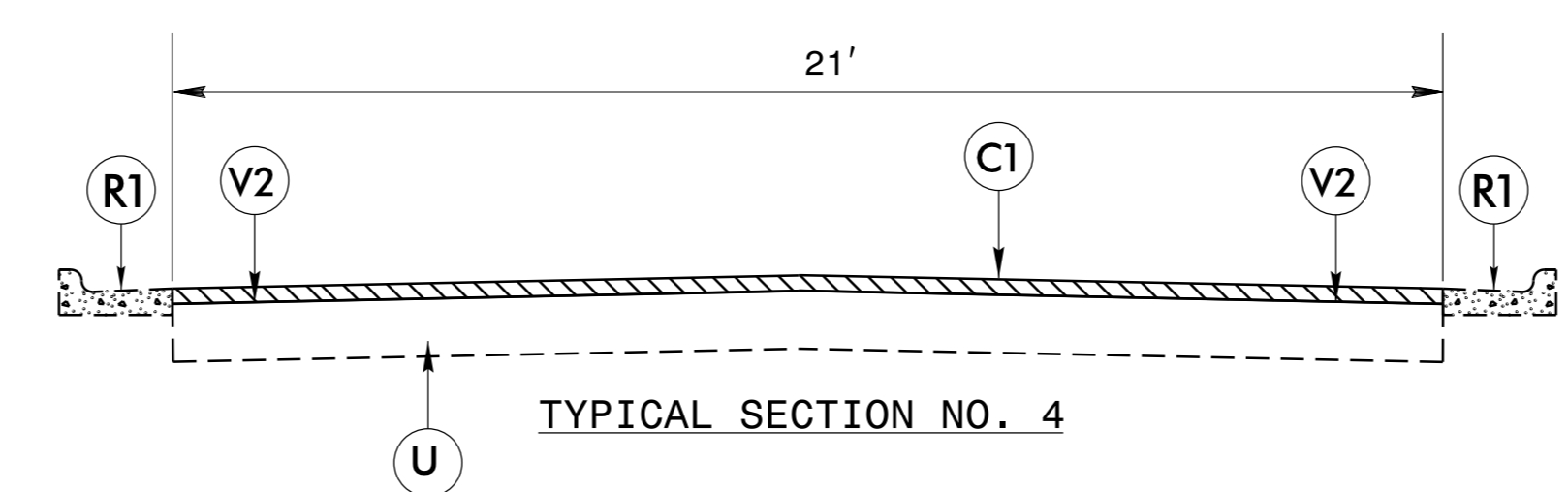
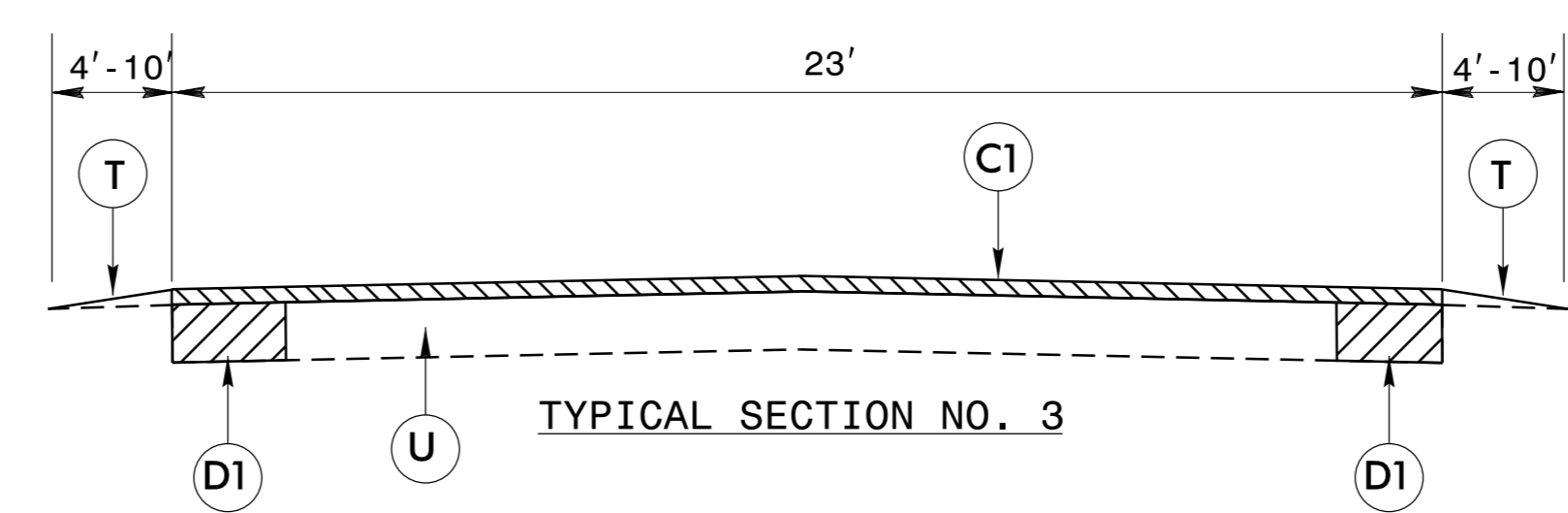
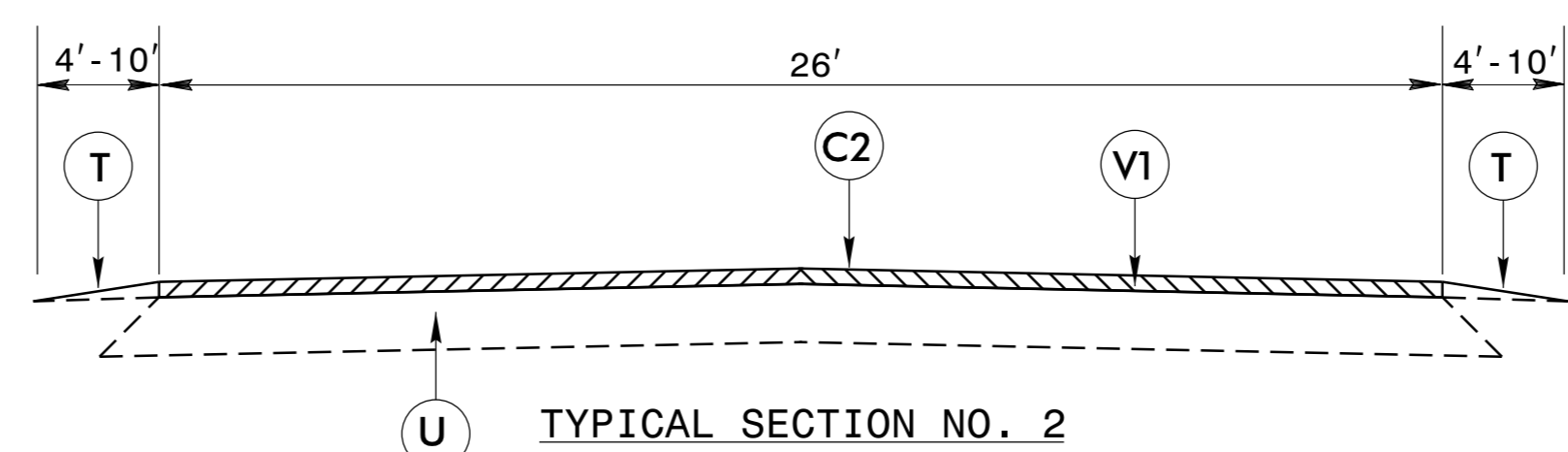
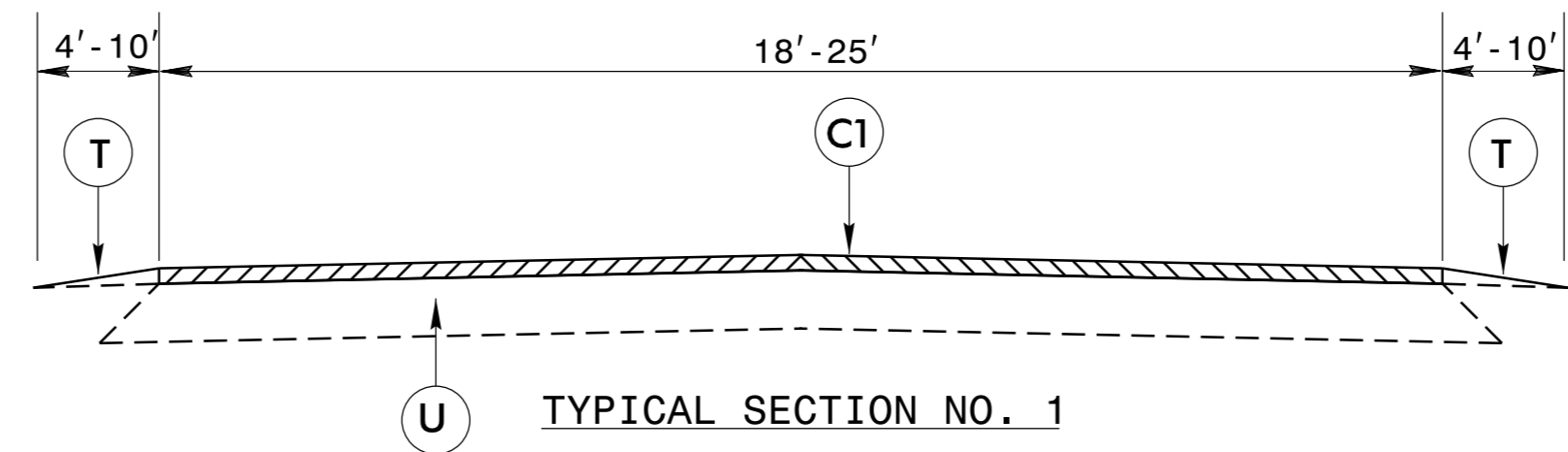
REVISIONS

91-FEB-2008 11:50 AM C:\Users\m... \Projects\Let\Resurfacing\2018\_Spr\Map\1\CLIN\ROBESON\_MS\_ENG.dgn  
 8/17/99



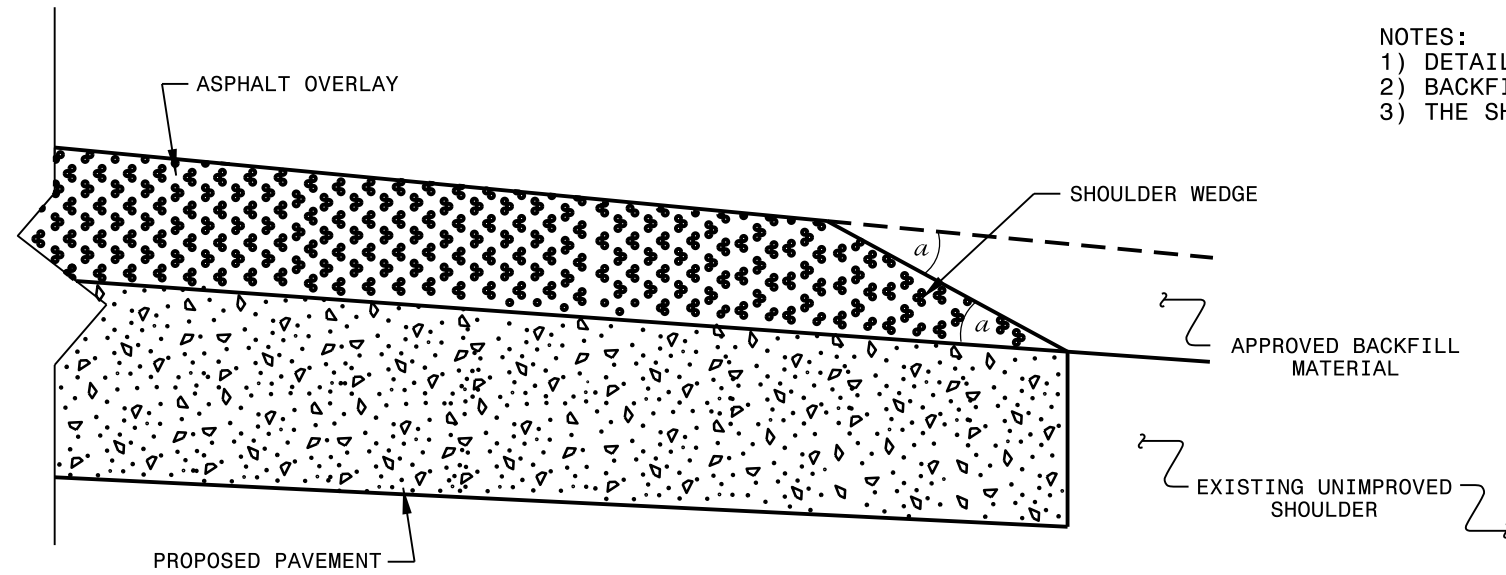
# PAVEMENT SCHEDULE

C1	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D1	5½" ASPHALT CONCRETE SURFACE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
R1	EXISTING CURB AND GUTTER
T	SHOULDER RECONSTRUCTION WITH AGGREGATE SHOULDER BORROW
U	EXISTING ASPHALT
V1	1½" MILLING (FULL WIDTH)
V2	0"-1½" MILLING (8' CURB MILLING)

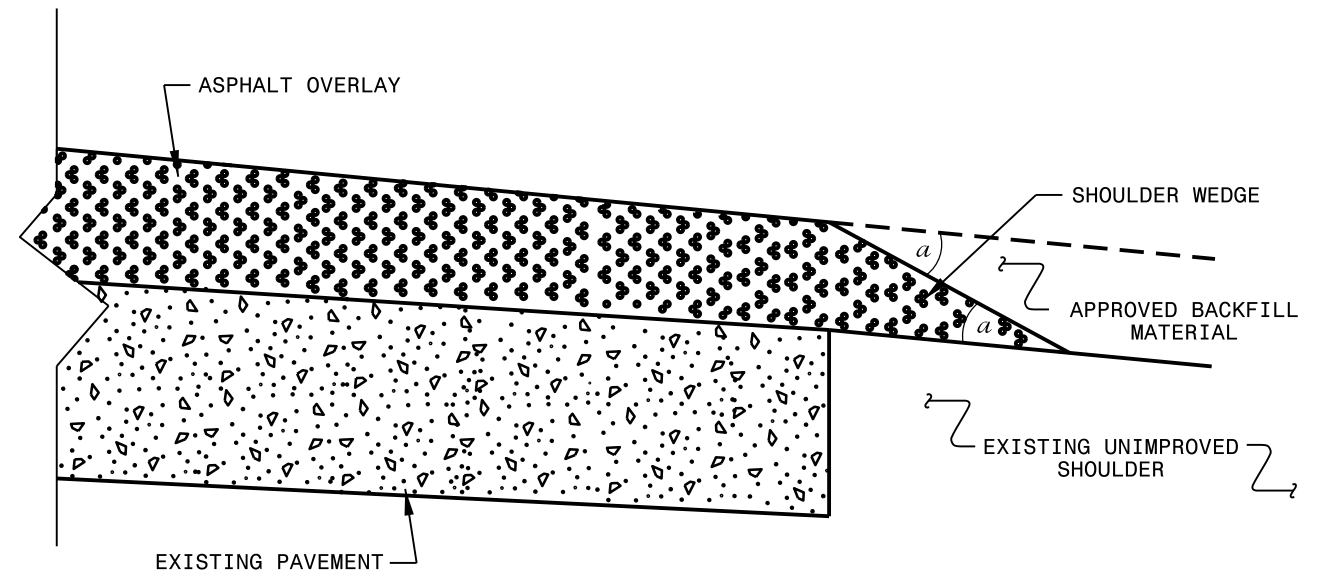


6/2/09  
05-FEB-2018 17:40  
F:\es\Projects\Let\Resurfacing\2018 Spring\DI\Resurf Typicals.dgn

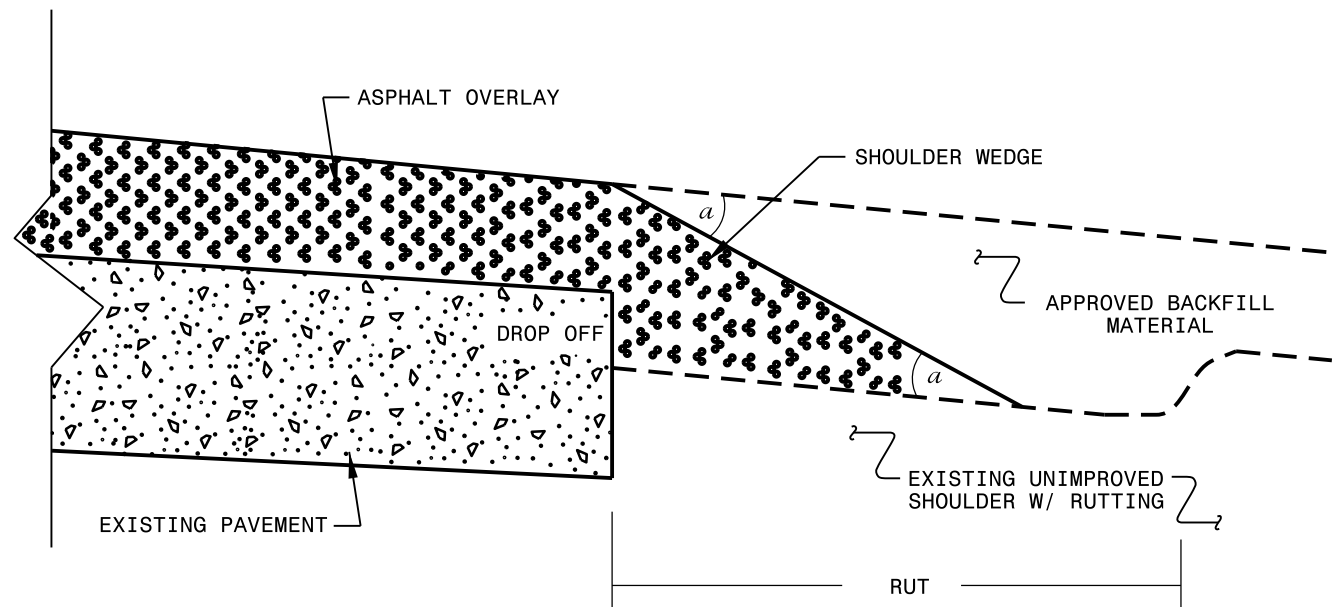
- NOTES:  
 1) DETAIL DOES NOT APPLY TO OGAFc AND ULTRA-THIN BONDED WEARING COURSE.  
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.  
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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



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



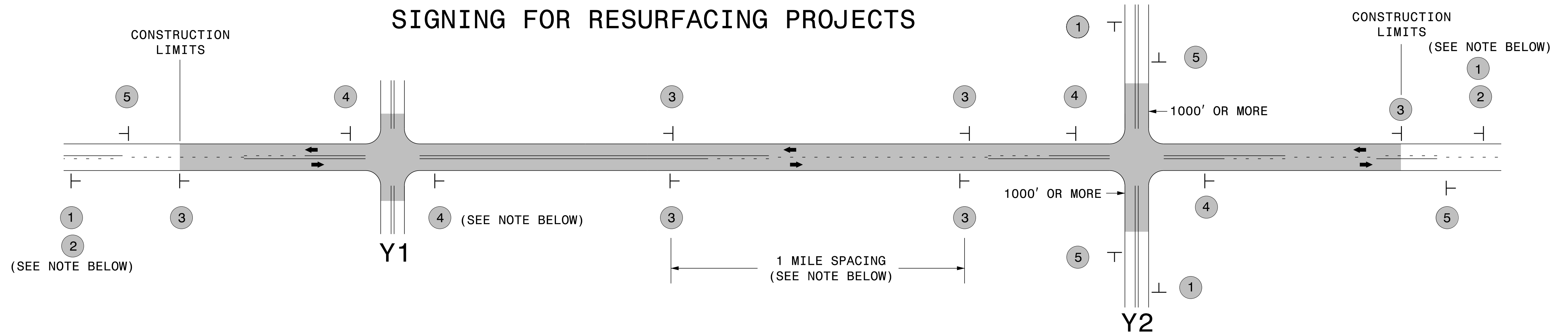
**SHOULDER WEDGE DETAIL**  
 (Resurfacing Adjacent to  
 Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

<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: 10/16/12		
CHECKED BY:	DATE:		
FILE SPEC.: susr/details/stand/shoulderwedgedetail.dgn			

SYSTEMS DESIGN  
 USER NAME

# 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	 W20-1 48" X 48"	PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	<p>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, 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;"> <div>             W20-1            48" X 48"         </div> <div>             W20-7 A            48" X 48"         </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p>
	2	 W7-3aP 24" X 18"	#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)	
	3	 SP 13107 48" X 48"	PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.	
	4	 SP 13106 48" X 48"	THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.	
5	 G20-2 A 48" X 24"	PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.		

3/19/2015  
 C:\Users\rmgarrrett\Downloads\Resurfacing\_AdvWarn.2Ln (2).dgn  
 User:rmgarrrett

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

**GUIDELINES FOR LANE WIDTHS ON RESURFACING PROJECTS**

Contractor shall place the new pavement markings in accordance with this table and detail unless otherwise directed by the Engineer.

<b>TWO LANE - TWO WAY ROADWAY - 55 MPH</b>		
ROADWAY WIDTH	LANE WIDTH	SHOULDER WIDTH
18'	9' *	0'
20'	10' *	0'
22'	10'	1'
24'	10'	2'
26'	11'	2'
28'	12'	2'
32'	12'	4'

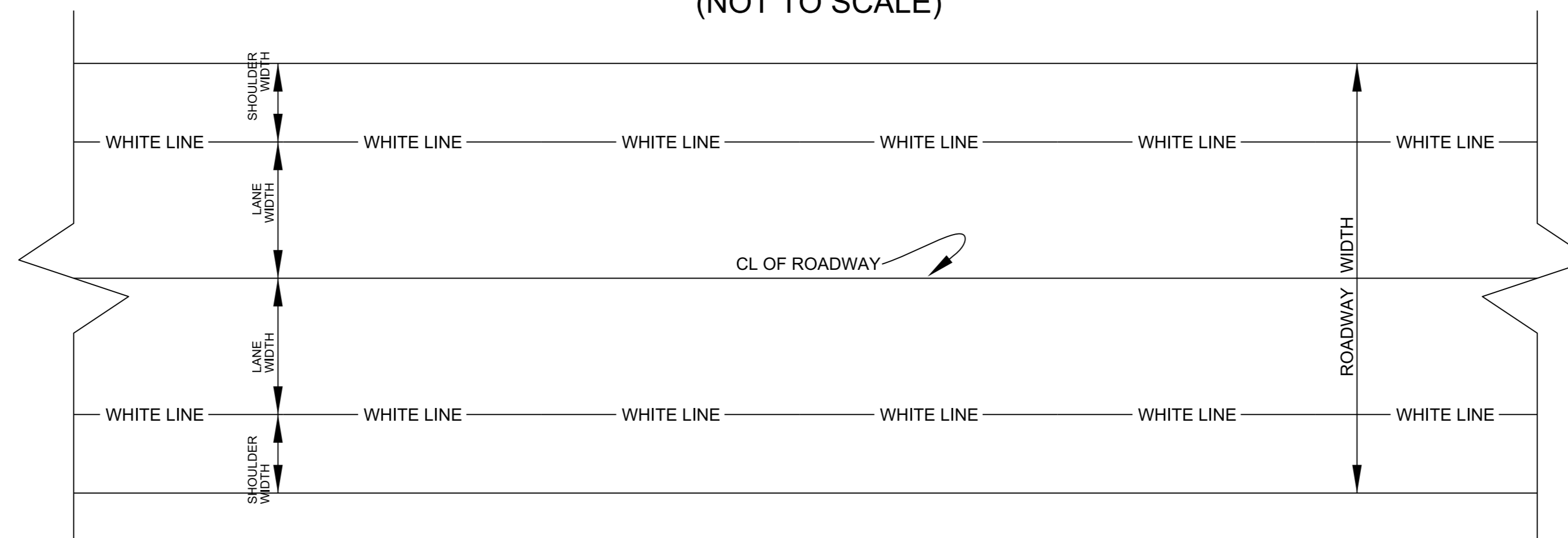
\* May vary due to pavement width

<b>TWO LANE - TWO WAY ROADWAY</b>		<b>50</b>
<b>MPH OR LESS</b>		
ROADWAY WIDTH	LANE WIDTH	SHOULDER WIDTH
18'	9' *	0'
20'	10' *	0'
22'	10'	1'
24'	10'	2'
26'	11'	2'
28'	11'	3'
32'	11'	5'

\* May vary due to pavement width

**SCHEMATIC OF ROADWAY**

(NOT TO SCALE)



# SUMMARY OF QUANTITIES

												PROJECT NO.			SHEET NO.	TOTAL NO.								
												2019CPT.06.07.10781.1, 2019CPT.06.07.20781.1												
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	1245000000-E	1260000000-E	1297000000-E	1308000000-E	1330000000-E	1503000000-E	1519000000-E	1523000000-E	1575000000-E	2830000000-N	2845000000-N		
												SHOULDER RECON -STRUCTION	AGGREGATE SHOULDER BORROW	1½" MILLING	0" TO 1.5" MILLING	INCIDENTAL MILLING	INTERMEDIATE COURSE, I19.0C	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	ADJ. OF MANHOLES	ADJ. OF METER OR VALVE BOX		
												MI	FT	SMI	TON	SY	SY	SY	TONS	TONS	TONS	TONS	EA	EA
2019CPT.06.07.10781.1	Robeson	1	US 301	FROM NCL ROWLAND TO SR 1207	7	2	2WU	NO	NO	8.23	24	16.50	2,662						9,884	593				
<b>TOTAL FOR MAP NO. 1</b>												<b>8.23</b>	<b>16.50</b>	<b>2,662</b>						<b>9,884</b>	<b>593</b>			
2019CPT.06.07.10781.1	Robeson	2	US 501	FROM END C&G TO SR 1135	2	2	2WU	NO	NO	2.42	26	4.80	783	36,913					3,240	194	5	2		
<b>TOTAL FOR MAP NO. 2</b>												<b>2.42</b>	<b>4.80</b>	<b>783</b>	<b>36,913</b>					<b>3,240</b>	<b>194</b>	<b>5</b>	<b>2</b>	
2019CPT.06.07.10781.1	Robeson	3	NC 72	FROM SR 1303 TO 5TH AVE.	5	2	2WU	NO	NO	0.66	24			12,390					962	58				
<b>TOTAL FOR MAP NO. 3</b>												<b>0.66</b>				<b>12,390</b>				<b>962</b>	<b>58</b>			
<b>TOTAL FOR PROJ NO. 2019CPT.06.07.10781.1</b>												<b>11.31</b>		<b>21.30</b>	<b>3,445</b>	<b>49,303</b>				<b>14,086</b>	<b>845</b>	<b>5</b>	<b>2</b>	
2019CPT.06.07.20781.1	Robeson	4	SR 1176	FROM SR 1166 TO SR 1153	1	2	2WU	NO	NO	1.74	20	3.50	563					1,726		104				
<b>TOTAL FOR MAP NO. 4</b>												<b>1.74</b>	<b>3.50</b>	<b>563</b>						<b>1,726</b>		<b>104</b>		
2019CPT.06.07.20781.1	Robeson	5	SR 1351	FROM NC 710 TO SR 1515	1	2	2WU	NO	NO	0.12	23	0.20	39					150		9				
<b>TOTAL FOR MAP NO. 5</b>												<b>0.12</b>	<b>0.20</b>	<b>39</b>						<b>150</b>		<b>9</b>		
2019CPT.06.07.20781.1	Robeson	6	SR 1355	FROM SR 1352 TO SR 1340	1	2	2WU	NO	NO	1.72	20	3.40	556					1,721		103				
<b>TOTAL FOR MAP NO. 6</b>												<b>1.72</b>	<b>3.40</b>	<b>556</b>						<b>1,721</b>		<b>103</b>		
2019CPT.06.07.20781.1	Robeson	7	SR 1515	FROM SR 1351 TO SR 1563	1	2	2WU	NO	NO	3.09	22	19.16	999			367		3,476		209				
<b>TOTAL FOR MAP NO. 7</b>												<b>3.09</b>	<b>19.16</b>	<b>999</b>			<b>367</b>		<b>3,476</b>		<b>209</b>			
2019CPT.06.07.20781.1	Robeson	8	SR 1518	FROM SR 1521 TO SR 1513	1	2	2WU	NO	NO	1.24	20	2.50	401					1,230		74				
<b>TOTAL FOR MAP NO. 8</b>												<b>1.24</b>	<b>2.50</b>	<b>401</b>					<b>1,230</b>		<b>74</b>			
2019CPT.06.07.20781.1	Robeson	9	SR 1540	FROM SR 1351 TO SR1515	1	2	2WU	NO	NO	0.36	18	0.70	116					322		19				
<b>TOTAL FOR MAP NO. 9</b>												<b>0.36</b>	<b>0.70</b>	<b>116</b>					<b>322</b>		<b>19</b>			
2019CPT.06.07.20781.1	Robeson	10	SR 1554	FROM US 74 ALT. TO SR 1339	1	2	2WU	NO	NO	0.86	25	3.40	556	778		834		1,065		64				
<b>TOTAL FOR MAP NO. 10</b>												<b>0.86</b>	<b>3.40</b>	<b>556</b>	<b>778</b>		<b>834</b>		<b>1,065</b>		<b>64</b>			
2019CPT.06.07.20781.1	Robeson	11	SR 1566	FROM SR 1563 TO SR 1340	1	2	2WU	NO	NO	1.01	20	2.00	327			333		1,002		60				
<b>TOTAL FOR MAP NO. 11</b>												<b>1.01</b>	<b>2.00</b>	<b>327</b>			<b>333</b>		<b>1,002</b>		<b>60</b>			
2019CPT.06.07.20781.1	Robeson	12	SR 1960	FROM SR 1004 TO NC 41	1	2	2WU	NO	NO	1.04	20	2.10	336					1,031		62				
<b>TOTAL FOR MAP NO. 12</b>												<b>1.04</b>	<b>2.10</b>	<b>336</b>					<b>1,031</b>		<b>62</b>			
2019CPT.06.07.20781.1	Robeson	13	SR 2101	FROM NC 41 TO SR 2100	1	2	2WU	NO	NO	2.49	18	5.00	805			680		2,224		133				
<b>TOTAL FOR MAP NO. 13</b>												<b>2.49</b>	<b>5.00</b>	<b>805</b>			<b>680</b>		<b>2,224</b>		<b>133</b>			
2019CPT.06.07.20781.1	Robeson	14	SR 2109	FROM NC 41 TO SR 2104	1	2	2WU	NO	NO	1.25	20	2.50	404					1,240		74				
<b>TOTAL FOR MAP NO. 14</b>												<b>1.25</b>	<b>2.50</b>	<b>404</b>					<b>1,240</b>		<b>74</b>			
2019CPT.06.07.20781.1	Robeson	15	SR 2239	FROM NC 41 TO SR 2427	1	2	2WU	NO	NO	1.62	18	3.20	524					1,479		89				
<b>TOTAL FOR MAP NO. 15</b>												<b>1.62</b>	<b>3.20</b>	<b>524</b>					<b>1,479</b>		<b>89</b>			
2019CPT.06.07.20781.1	Robeson	16	SR 2247	FROM SR 2246 TO SR 2250	6	2	2WU	NO	NO	1.51	24	3.00	488				1,115	1,795	161					
<b>TOTAL FOR MAP NO. 16</b>												<b>1.51</b>	<b>3.00</b>	<b>488</b>				<b>1,115</b>	<b>1,795</b>	<b>161</b>				
2019CPT.06.07.20781.1	Robeson	17	SR 2422	FROM SR 1003 TO SCL MCD	1	2	2WU	NO	NO	3.2	18	6.40	1,100					3,060		184				
<b>TOTAL FOR MAP NO. 17</b>												<b>3.2</b>	<b>6.40</b>	<b>1,100</b>					<b>3,060</b>		<b>184</b>			
2019CPT.06.07.20781.1	Robeson	18	SR 2447	FROM NC 130 TO SR 2452	3	2	2WU	NO	NO	1.45	23	2.90	469				1,071	1,652	151					
<b>TOTAL FOR MAP NO. 18</b>												<b>1.45</b>	<b>2.90</b>	<b>469</b>				<b>1,071</b>	<b>1,652</b>	<b>151</b>				
2019CPT.06.07.20781.1	Robeson	19	SR 2499	FROM US 74 ALT. TO NC 72	1 & 4	2	2WU	NO	NO	3.55	21	7.10	1,145		1,556	1,010		4,205		252				
<b>TOTAL FOR MAP NO. 19</b>												<b>3.55</b>	<b>7.10</b>	<b>1,145</b>		<b>1,556</b>	<b>1,010</b>		<b>4,205</b>		<b>252</b>			
2019CPT.06.07.20781.1	Robeson	20	SR 2539	FROM MP 0.52 TO SR 2419	1	2	2WU	NO	NO	1.55	21	3.10	501					1,654		99				
<b>TOTAL FOR MAP NO. 20</b>												<b>1.55</b>	<b>3.10</b>	<b>501</b>					<b>1,654</b>		<b>99</b>			
<b>TOTAL FOR PROJ NO. 2019CPT.06.07.20781.1</b>												<b>27.8</b>	<b>70.16</b>	<b>9,329</b>	<b>778</b>	<b>1,556</b>	<b>3,224</b>	<b>2,186</b>	<b>27,237</b>	<b>1,795</b>	<b>1,847</b>			
<b>GRAND TOTAL</b>												<b>39.11</b>		<b>91.46</b>	<b>12,774</b>	<b>50,081</b>	<b>1,556</b>	<b>3,224</b>	<b>2,186</b>	<b>27,237</b>	<b>15,881</b>	<b>2,692</b>	<b>5</b>	<b>2</b>

# THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO.	SHEET NO.	TOTAL NO.
2019CPT.06.07.10781.1, 2019CPT.06.07.20781.1		

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4685000000-E	4686000000-E	4700000000-E	4705000000-E	4710000000-E	4721000000-E		
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 120 M YELLOW THERMO	4" X 120 M WHITE THERMO	12" X 90 M YELLOW THERMO	16" X 120 M WHITE THERMO	24" X 120 M WHITE THERMO	THERMO RXR 120 M	THERMO MSG ONLY 120 M
										SF	LS	LF	LF	LF	LF	LF	LF	EA	EA
2019CPT.06.07.10781.1	Robeson	1	US 301	FROM NCL ROWLAND TO SR 1207	7	2	2WU	8.23	24	922	1	86,908	73,871						
<b>TOTAL FOR MAP NO. 1</b>								<b>8.23</b>		<b>922</b>	<b>1</b>	<b>86,908</b>	<b>73,871</b>						
2019CPT.06.07.10781.1	Robeson	2	US 501	FROM END C&G TO SR 1135	2	2	2WU	2.42	26	530		25,554	21,720						
<b>TOTAL FOR MAP NO. 2</b>								<b>2.42</b>		<b>530</b>		<b>25,554</b>	<b>21,720</b>						
2019CPT.06.07.10781.1	Robeson	3	NC 72	FROM SR 1303 TO 5TH AVE.	5	2	2WU	0.66	24	74			6,969						
<b>TOTAL FOR MAP NO. 3</b>								<b>0.66</b>		<b>74</b>			<b>6,969</b>						
<b>TOTAL FOR PROJ NO. 2019CPT.06.07.10781.1</b>								<b>11.31</b>		<b>1,526</b>	<b>1</b>	<b>112,462</b>	<b>102,560</b>						
													<b>102,560</b>						
2019CPT.06.07.20781.1	Robeson	4	SR 1176	FROM SR 1166 TO SR 1153	1	2	2WU	1.74	20	195									
<b>TOTAL FOR MAP NO. 4</b>								<b>1.74</b>		<b>195</b>									
2019CPT.06.07.20781.1	Robeson	5	SR 1351	FROM NC 710 TO SR 1515	1	2	2WU	0.12	23	13									
<b>TOTAL FOR MAP NO. 5</b>								<b>0.12</b>		<b>13</b>									
2019CPT.06.07.20781.1	Robeson	6	SR 1355	FROM SR 1352 TO SR 1340	1	2	2WU	1.72	20	193									
<b>TOTAL FOR MAP NO. 6</b>								<b>1.72</b>		<b>193</b>									
2019CPT.06.07.20781.1	Robeson	7	SR 1515	FROM SR 1351 TO SR 1563	1	2	2WU	3.09	22	346				50	50	2			
<b>TOTAL FOR MAP NO. 7</b>								<b>3.09</b>		<b>346</b>				<b>50</b>	<b>50</b>	<b>2</b>			
2019CPT.06.07.20781.1	Robeson	8	SR 1518	FROM SR 1521 TO SR 1513	1	2	2WU	1.24	20	139									
<b>TOTAL FOR MAP NO. 8</b>								<b>1.24</b>		<b>139</b>									
2019CPT.06.07.20781.1	Robeson	9	SR 1540	FROM SR 1351 TO SR1515	1	2	2WU	0.36	18	40									
<b>TOTAL FOR MAP NO. 9</b>								<b>0.36</b>		<b>40</b>									
2019CPT.06.07.20781.1	Robeson	10	SR 1554	FROM US 74 ALT. TO SR 1339	1	2	2WU	0.86	25	96									
<b>TOTAL FOR MAP NO. 10</b>								<b>0.86</b>		<b>96</b>									
2019CPT.06.07.20781.1	Robeson	11	SR 1566	FROM SR 1563 TO SR 1340	1	2	2WU	1.01	20	113				390	160	8			
<b>TOTAL FOR MAP NO. 11</b>								<b>1.01</b>		<b>113</b>				<b>390</b>	<b>160</b>	<b>8</b>			
2019CPT.06.07.20781.1	Robeson	12	SR 1960	FROM SR 1004 TO NC 41	1	2	2WU	1.04	20	116									
<b>TOTAL FOR MAP NO. 12</b>								<b>1.04</b>		<b>116</b>									
2019CPT.06.07.20781.1	Robeson	13	SR 2101	FROM NC 41 TO SR 2100	1	2	2WU	2.49	18	279									
<b>TOTAL FOR MAP NO. 13</b>								<b>2.49</b>		<b>279</b>									
2019CPT.06.07.20781.1	Robeson	14	SR 2109	FROM NC 41 TO SR 2104	1	2	2WU	1.25	20	140									
<b>TOTAL FOR MAP NO. 14</b>								<b>1.25</b>		<b>140</b>									
2019CPT.06.07.20781.1	Robeson	15	SR 2239	FROM NC 41 TO SR 2427	1	2	2WU	1.62	18	181									
<b>TOTAL FOR MAP NO. 15</b>								<b>1.62</b>		<b>181</b>									
2019CPT.06.07.20781.1	Robeson	16	SR 2247	FROM SR 2246 TO SR 2250	6	2	2WU	1.51	24	169									
<b>TOTAL FOR MAP NO. 16</b>								<b>1.51</b>		<b>169</b>									
2019CPT.06.07.20781.1	Robeson	17	SR 2422	FROM SR 1003 TO SCL MCD	1	2	2WU	3.2	18	340									
<b>TOTAL FOR MAP NO. 17</b>								<b>3.2</b>		<b>340</b>									
2019CPT.06.07.20781.1	Robeson	18	SR 2447	FROM NC 130 TO SR 2452	3	2	2WU	1.45	23	162									
<b>TOTAL FOR MAP NO. 18</b>								<b>1.45</b>		<b>162</b>									
2019CPT.06.07.20781.1	Robeson	19	SR 2499	FROM US 74 ALT. TO NC 72	1 & 4	2	2WU	3.55	21	375		37,488	31,865	1,115	1,675	160	8		
<b>TOTAL FOR MAP NO. 19</b>								<b>3.55</b>		<b>375</b>		<b>37,488</b>	<b>31,865</b>	<b>1,115</b>	<b>1,675</b>	<b>160</b>	<b>8</b>		
2019CPT.06.07.20781.1	Robeson	20	SR 2539	FROM MP 0.52 TO SR 2419	1	2	2WU	1.55	21	174									
<b>TOTAL FOR MAP NO. 20</b>								<b>1.55</b>		<b>174</b>									
<b>TOTAL FOR PROJ NO. 2019CPT.06.07.20781.1</b>								<b>27.8</b>		<b>3,071</b>		<b>37,488</b>	<b>31,865</b>	<b>1,115</b>	<b>1,675</b>	<b>440</b>	<b>370</b>	<b>10</b>	<b>8</b>
													<b>32,980</b>					<b>18</b>	
<b>GRAND TOTAL</b>								<b>39.11</b>		<b>4,597</b>	<b>1</b>	<b>149,950</b>	<b>134,425</b>	<b>1,115</b>	<b>1,675</b>	<b>440</b>	<b>370</b>	<b>10</b>	<b>8</b>
													<b>135,540</b>					<b>18</b>	

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH		4725000000-E				4810000000-E		4900000000-N	
								MI	FT	THERMO LT ARROW 90 M	THERMO RT ARROW 90 M	THERMO STR & LT ARROW 90 M	THERMO STR & RT ARROW 90 M	4" WHITE PAINT	4" YELLOW PAINT	YELLOW & YELLOW MARKERS	CRYSTAL & RED MARKERS
										EA	EA	EA	EA	LF	LF	EA	EA
2019CPT.06.07.10781.1	Robeson	1	US 301	FROM NCL ROWLAND TO SR 1207	7	2	2WU	8.23	24							543	
<b>TOTAL FOR MAP NO. 1</b>								<b>8.23</b>							<b>543</b>		
2019CPT.06.07.10781.1	Robeson	2	US 501	FROM END C&G TO SR 1135	2	2	2WU	2.42	26							159	
<b>TOTAL FOR MAP NO. 2</b>								<b>2.42</b>							<b>159</b>		
2019CPT.06.07.10781.1	Robeson	3	NC 72	FROM SR 1303 TO 5TH AVE.	5	2	2WU	0.66	24							43	
<b>TOTAL FOR MAP NO. 3</b>								<b>0.66</b>							<b>43</b>		
<b>TOTAL FOR PROJ NO. 2019CPT.06.07.10781.1</b>								<b>11.31</b>							<b>745</b>		
2019CPT.06.07.20781.1	Robeson	4	SR 1176	FROM SR 1166 TO SR 1153	1	2	2WU	1.74	20					36,748	31,236		
<b>TOTAL FOR MAP NO. 4</b>								<b>1.74</b>						<b>36,748</b>	<b>31,236</b>		
2019CPT.06.07.20781.1	Robeson	5	SR 1351	FROM NC 710 TO SR 1515	1	2	2WU	0.12	23					4,224	3,592		
<b>TOTAL FOR MAP NO. 5</b>								<b>0.12</b>						<b>4,224</b>	<b>3,592</b>		
2019CPT.06.07.20781.1	Robeson	6	SR 1355	FROM SR 1352 TO SR 1340	1	2	2WU	1.72	20					36,326	20,875		
<b>TOTAL FOR MAP NO. 6</b>								<b>1.72</b>						<b>36,326</b>	<b>20,875</b>		
2019CPT.06.07.20781.1	Robeson	7	SR 1515	FROM SR 1351 TO SR 1563	1	2	2WU	3.09	22					65,260	55,484		
<b>TOTAL FOR MAP NO. 7</b>								<b>3.09</b>						<b>65,260</b>	<b>55,484</b>		
2019CPT.06.07.20781.1	Robeson	8	SR 1518	FROM SR 1521 TO SR 1513	1	2	2WU	1.24	20					26,188	22,259		
<b>TOTAL FOR MAP NO. 8</b>								<b>1.24</b>						<b>26,188</b>	<b>22,259</b>		
2019CPT.06.07.20781.1	Robeson	9	SR 1540	FROM SR 1351 TO SR1515	1	2	2WU	0.36	18					7,603	7,603		
<b>TOTAL FOR MAP NO. 9</b>								<b>0.36</b>						<b>7,603</b>	<b>7,603</b>		
2019CPT.06.07.20781.1	Robeson	10	SR 1554	FROM US 74 ALT. TO SR 1339	1	2	2WU	0.86	25					18,163	15,439		
<b>TOTAL FOR MAP NO. 10</b>								<b>0.86</b>						<b>18,163</b>	<b>15,439</b>		
2019CPT.06.07.20781.1	Robeson	11	SR 1566	FROM SR 1563 TO SR 1340	1	2	2WU	1.01	20					21,331	18,132		
<b>TOTAL FOR MAP NO. 11</b>								<b>1.01</b>						<b>21,331</b>	<b>18,132</b>		
2019CPT.06.07.20781.1	Robeson	12	SR 1960	FROM SR 1004 TO NC 41	1	2	2WU	1.04	20					21,968	18,674		
<b>TOTAL FOR MAP NO. 12</b>								<b>1.04</b>						<b>21,968</b>	<b>18,674</b>		
2019CPT.06.07.20781.1	Robeson	13	SR 2101	FROM NC 41 TO SR 2100	1	2	2WU	2.49	18					52,589	44,699		
<b>TOTAL FOR MAP NO. 13</b>								<b>2.49</b>						<b>52,589</b>	<b>44,699</b>		
2019CPT.06.07.20781.1	Robeson	14	SR 2109	FROM NC 41 TO SR 2104	1	2	2WU	1.25	20					26,400	22,440		
<b>TOTAL FOR MAP NO. 14</b>								<b>1.25</b>						<b>26,400</b>	<b>22,440</b>		
2019CPT.06.07.20781.1	Robeson	15	SR 2239	FROM NC 41 TO SR 2427	1	2	2WU	1.62	18					34,214	29,084		
<b>TOTAL FOR MAP NO. 15</b>								<b>1.62</b>						<b>34,214</b>	<b>29,084</b>		
2019CPT.06.07.20781.1	Robeson	16	SR 2247	FROM SR 2246 TO SR 2250	6	2	2WU	1.51	24					31,891	27,125		
<b>TOTAL FOR MAP NO. 16</b>								<b>1.51</b>						<b>31,891</b>	<b>27,125</b>		
2019CPT.06.07.20781.1	Robeson	17	SR 2422	FROM SR 1003 TO SCL MCD	1	2	2WU	3.2	18					67,584	57,446		
<b>TOTAL FOR MAP NO. 17</b>								<b>3.2</b>						<b>67,584</b>	<b>57,446</b>		
2019CPT.06.07.20781.1	Robeson	18	SR 2447	FROM NC 130 TO SR 2452	3	2	2WU	1.45	23					30,624	26,033		
<b>TOTAL FOR MAP NO. 18</b>								<b>1.45</b>						<b>30,624</b>	<b>26,033</b>		
2019CPT.06.07.20781.1	Robeson	19	SR 2499	FROM US 74 ALT. TO NC 72	1 & 4	2	2WU	3.55	21	3	12	3	1			276	38
<b>TOTAL FOR MAP NO. 19</b>								<b>3.55</b>		<b>3</b>	<b>12</b>	<b>3</b>	<b>1</b>			<b>276</b>	<b>38</b>
2019CPT.06.07.20781.1	Robeson	20	SR 2539	FROM MP 0.52 TO SR 2419	1	2	2WU	1.55	21					32,736	27,826		
<b>TOTAL FOR MAP NO. 20</b>								<b>1.55</b>						<b>32,736</b>	<b>27,826</b>		
<b>TOTAL FOR PROJ NO. 2019CPT.06.07.20781.1</b>								<b>27.8</b>		<b>3</b>	<b>12</b>	<b>3</b>	<b>1</b>	<b>513,849</b>	<b>427,947</b>	<b>276</b>	<b>38</b>
											<b>19</b>			<b>941,796</b>		<b>314</b>	
<b>GRAND TOTAL</b>								<b>39.11</b>		<b>3</b>	<b>12</b>	<b>3</b>	<b>1</b>	<b>513,849</b>	<b>427,947</b>	<b>1,021</b>	<b>38</b>
											<b>19</b>			<b>941,796</b>		<b>1,059</b>	