

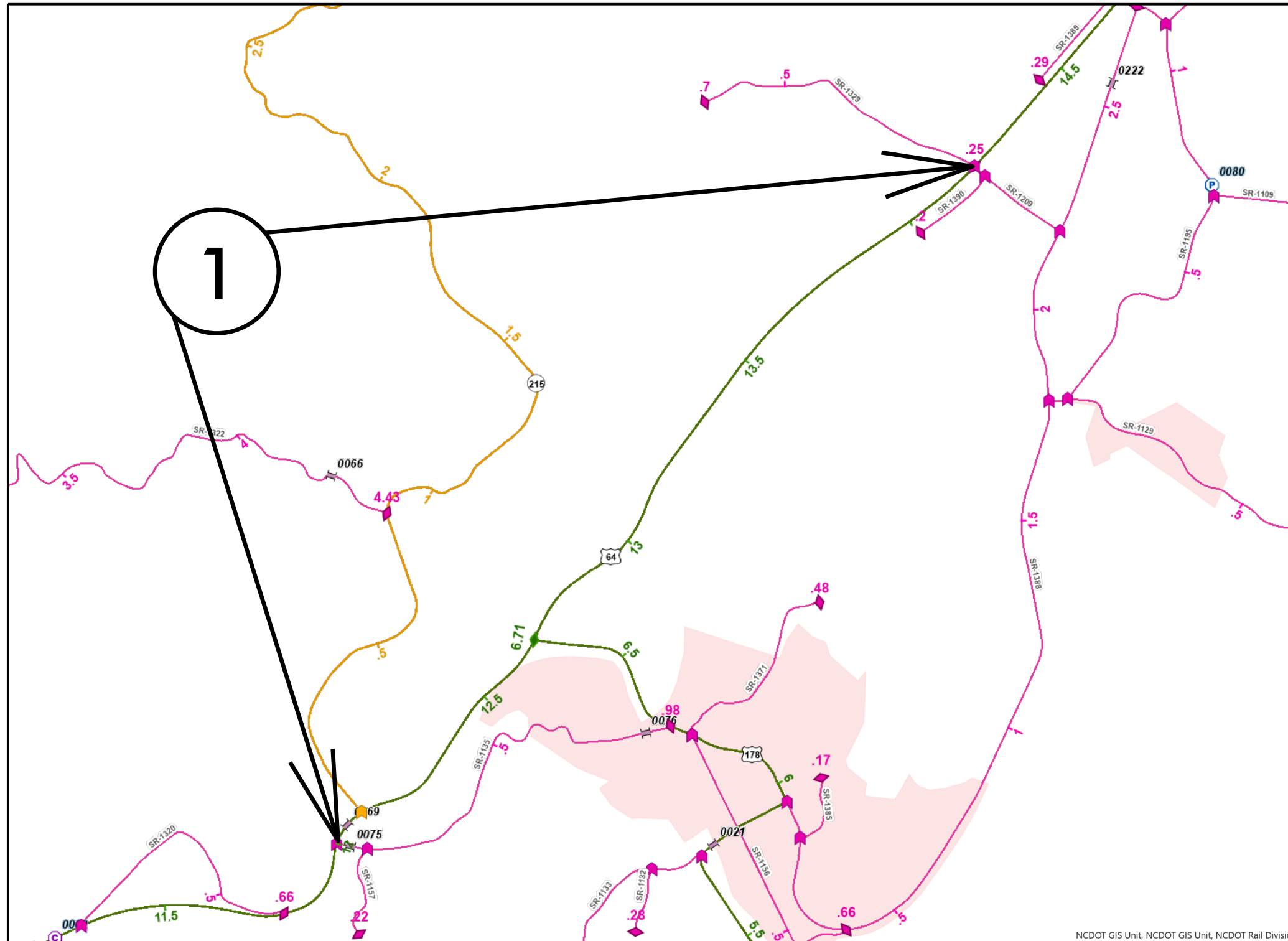
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TRANSYLVANIA COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.14.05.10881	1	13
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2026CPT.14.05.10881		CON	
2026CPT.14.05.20881		CON	



MAP 1



BEG



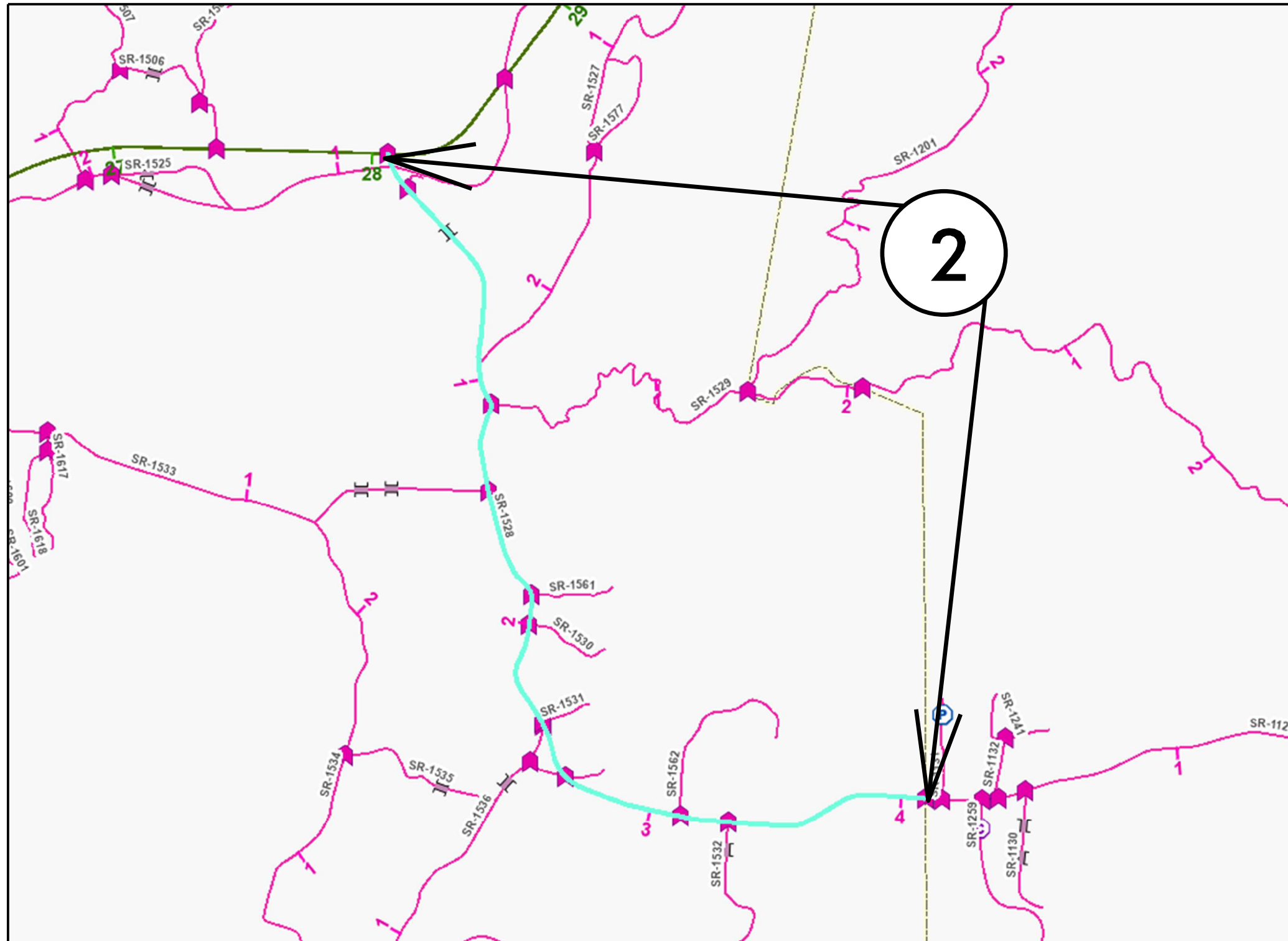
END

CONTRACT: DN01134

1

TRANSYLVANIA COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.14.05.10881	2	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	



MAP 2



BEG



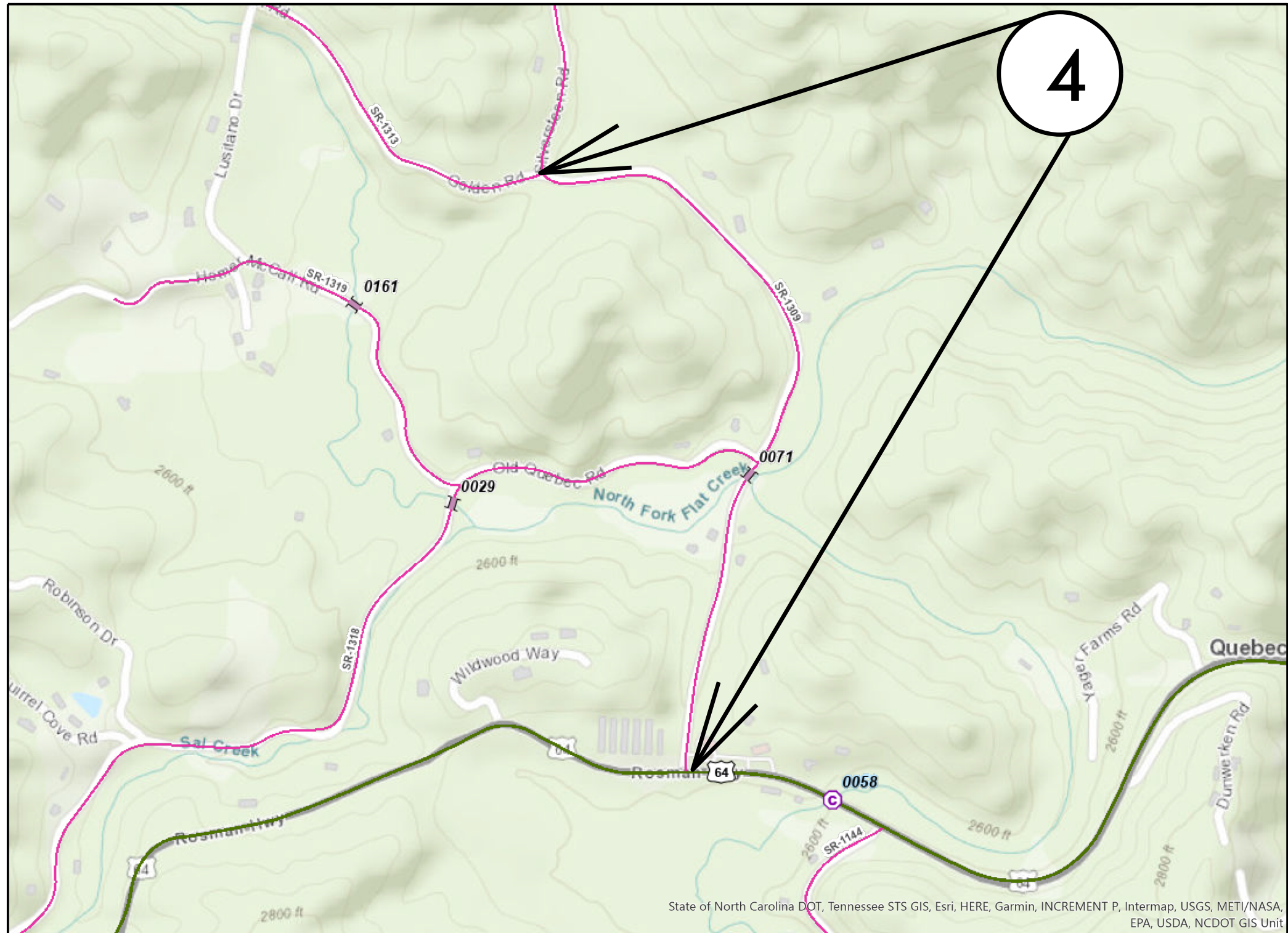
END

CONTRACT: DN01134

09/08/09

TRANSYLVANIA COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.14.05.20881	4	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	



MAP 4



BEG

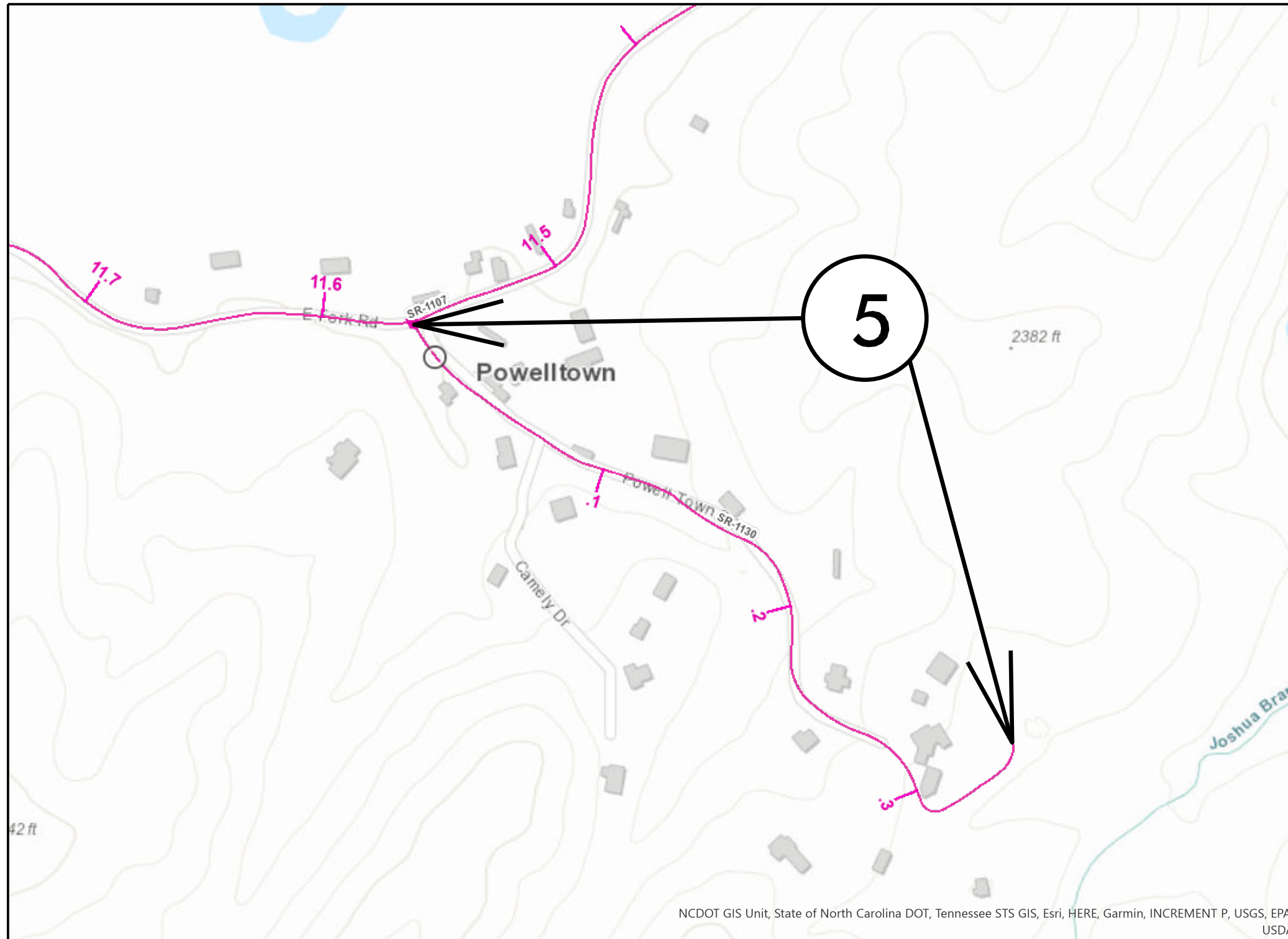
END

CONTRACT: DN01134

State of North Carolina DOT, Tennessee STS GIS, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA, NCDOT GIS Unit

TRANSYLVANIA COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.14.05.20881	5	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	



MAP 5



BEG



END

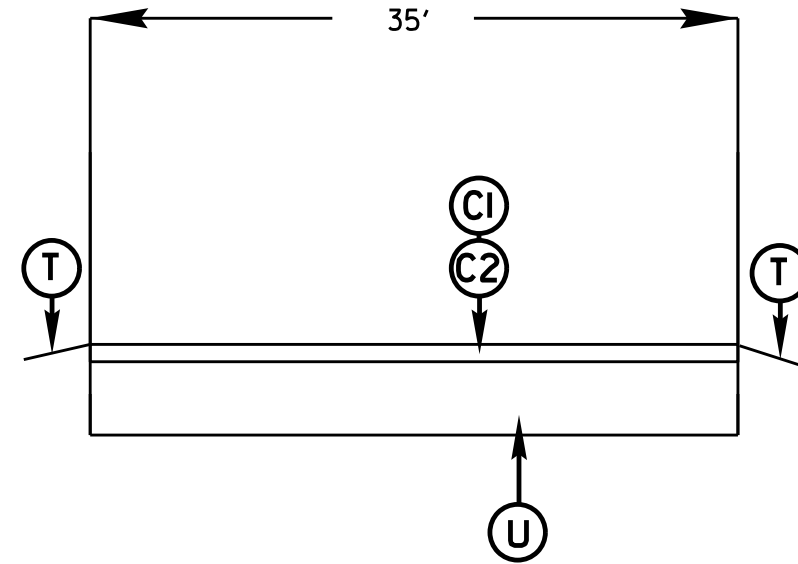
CONTRACT: DN01134

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.14.05.10881	6	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2026CPT.14.05.10881			
2026CPT.14.05.20881			

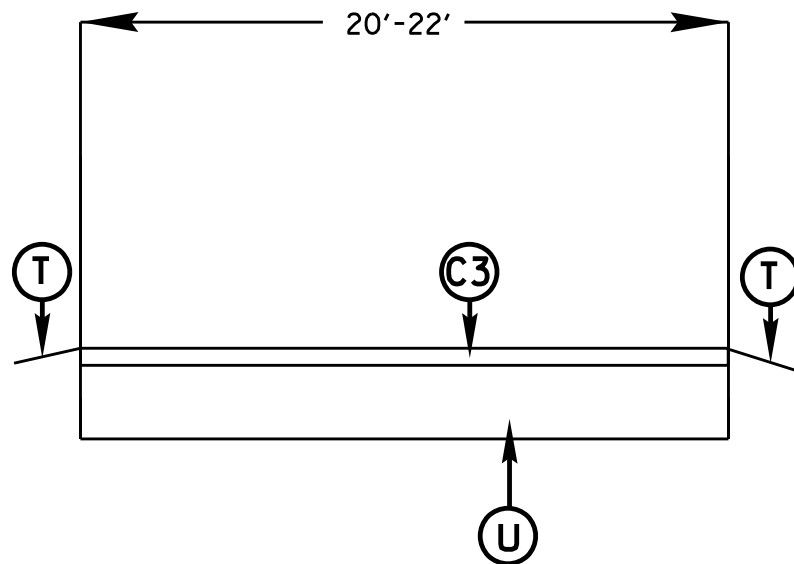
SURFACING SCHEDULE

C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168LBS. PER SQ. YD.
C2	PROP. APPROX. 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, (LEVELING COURSE), AT AN AVERAGE RATE OF 140LBS. PER SQ. YD.
C3	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165LBS. PER SQ. YD.
C4	PROP. APPROX. 3/4" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, (LEVELING COURSE), AT AN AVERAGE RATE OF 82.5LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION WITH ASB. 2' WIDE UNLESS DIRECTED BY PROJECT ENGINEER -SEE PROJECT SPECIAL PROVISIONS-
U	EXISTING PAVEMENT

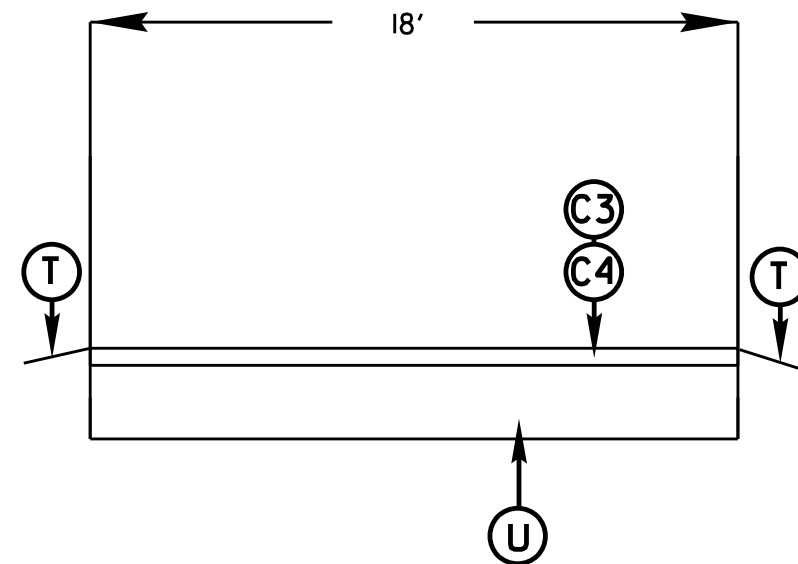
TYPICAL 1



TYPICAL 2



TYPICAL 5



CONTRACT: DN01134

09/08/09

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.14.05.10881	8	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2026CPT.14.05.10881			
2026CPT.14.05.20881			

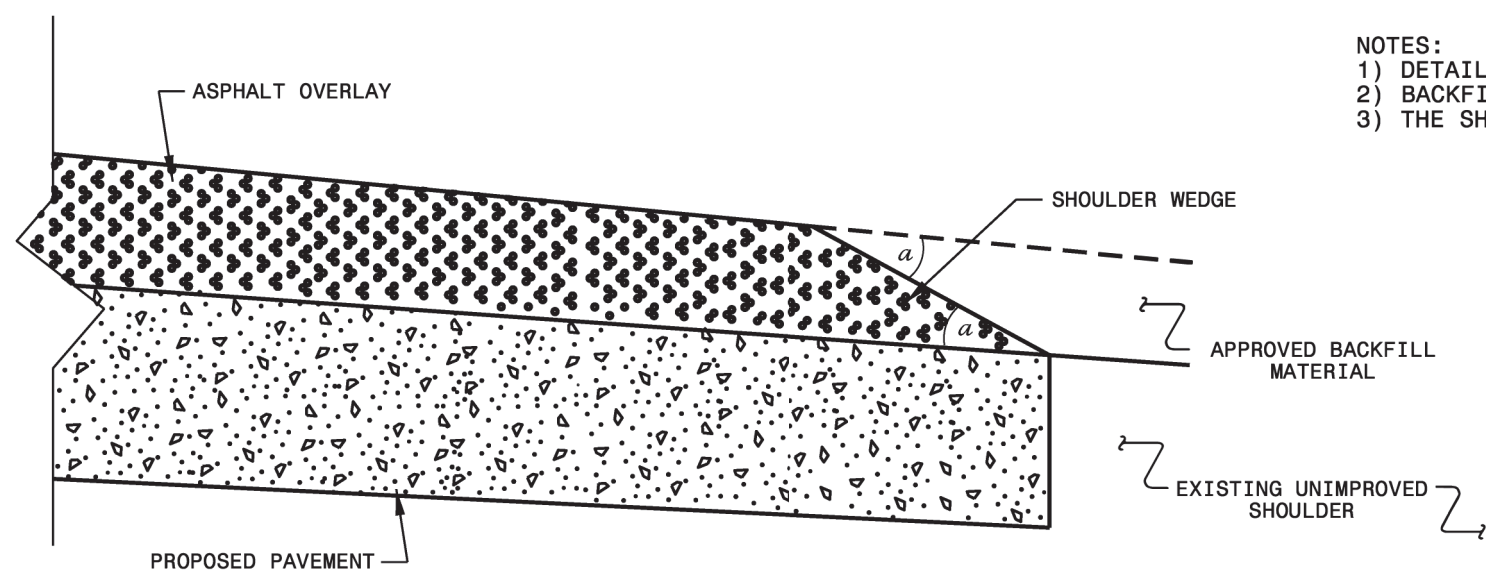
Bridge Structure Table

Map #	Route No.	Road Name	County	Structure No.	Posted SV (Tons)	Posted TTST (Tons)	Paving Across Bridge
1	US-64	US-64	Transylvania	870069	99	99	No
2	SR-1528	Crab Creek Rd	Transylvania	870035	99	99	Yes
4	SR-1309	Silversteen Rd	Transylvania	870071	99	99	Yes

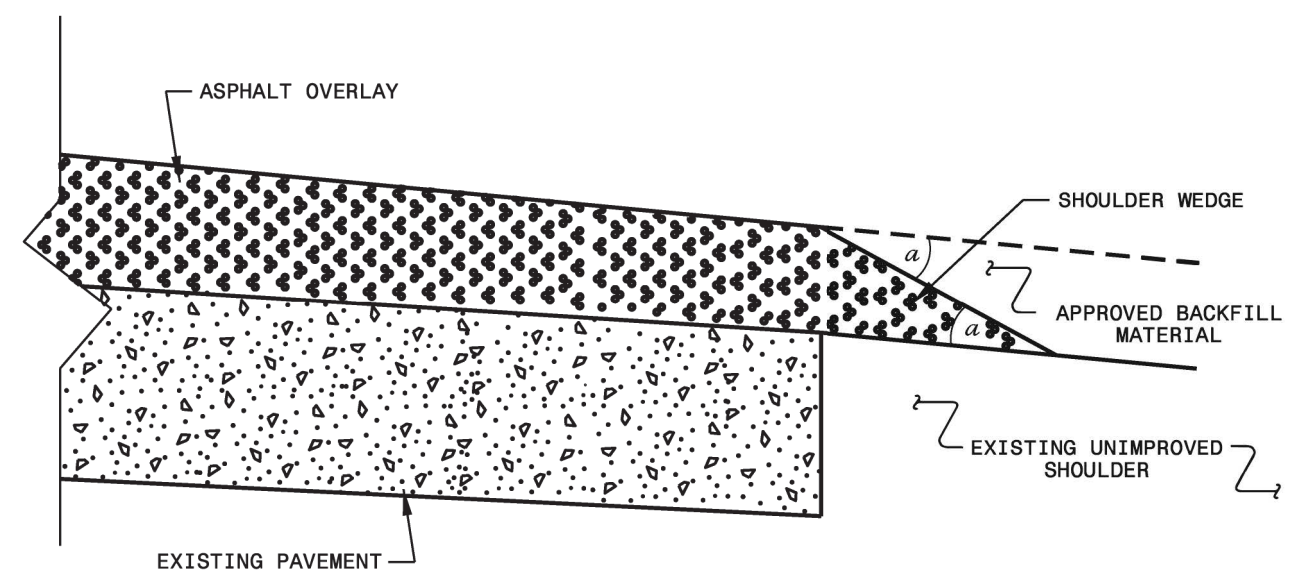
CONTRACT: DN01134

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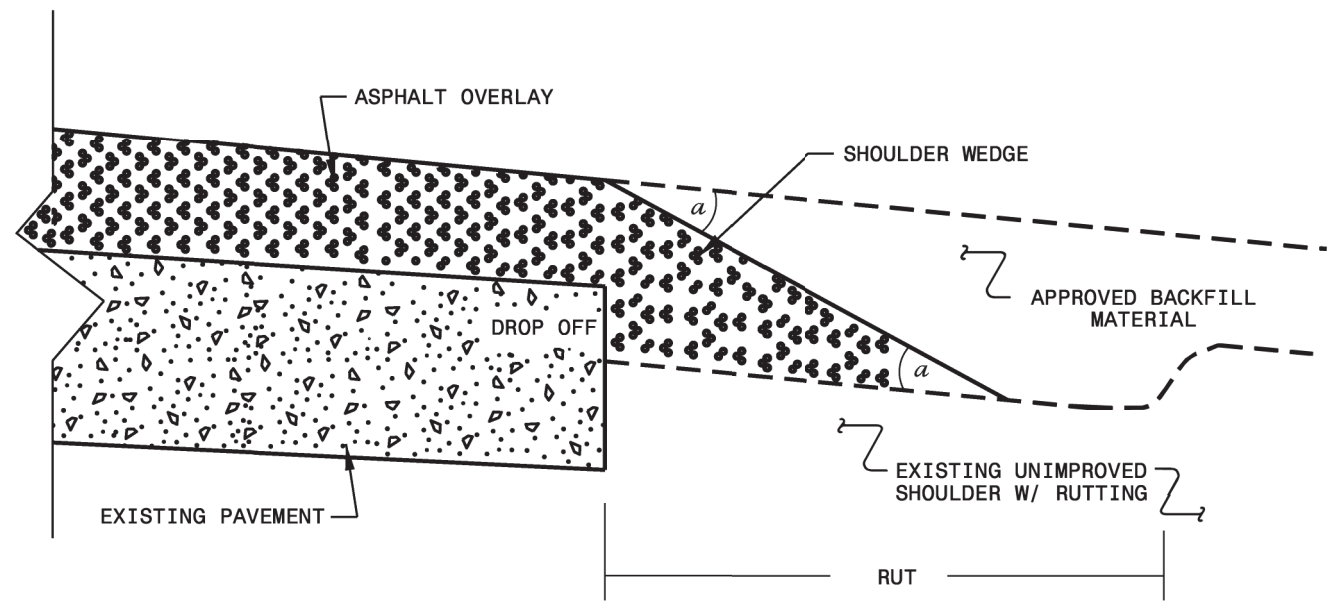
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ NO Widening)



SHOULDER WEDGE DETAIL
 (Resurfacing Adjacent to
 Rutted Shoulder)

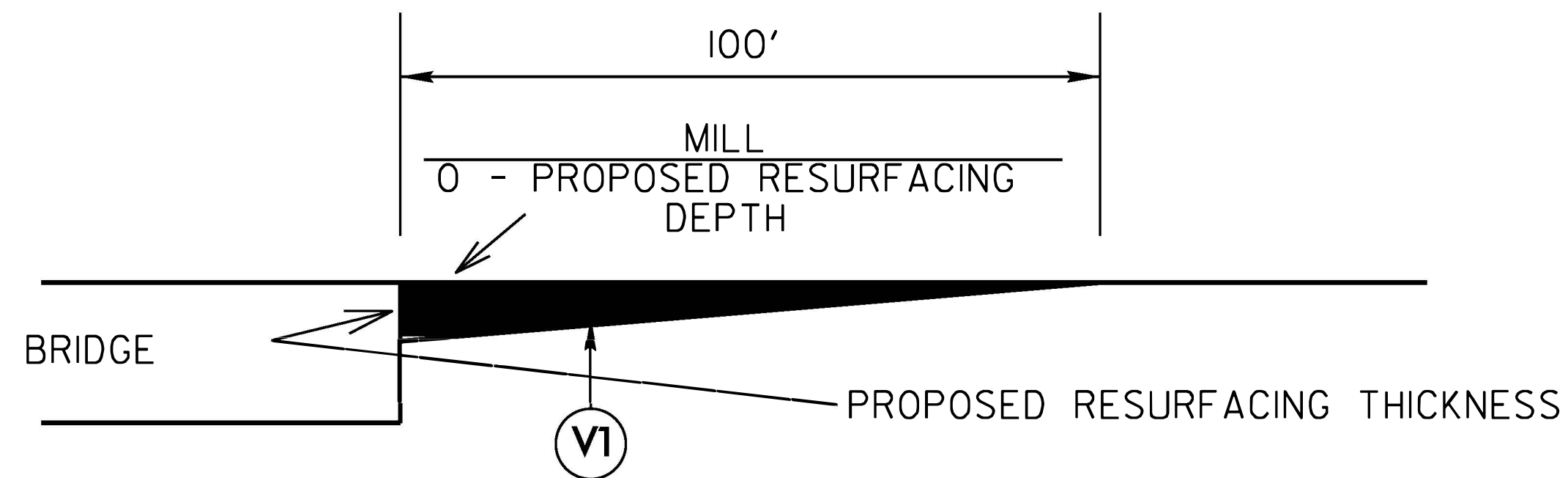
- SHOULDER WEDGE ANGLE = 30°

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

CONTRACT: DN01134

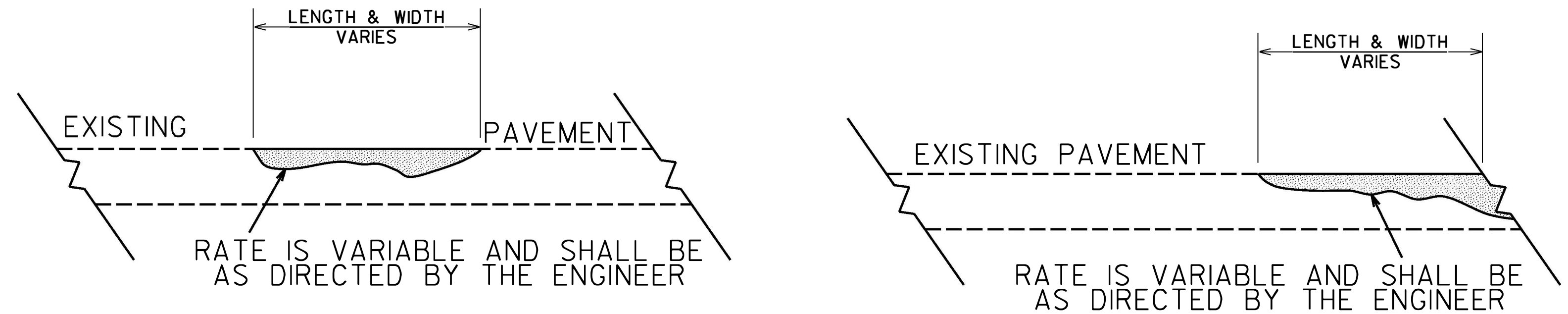
SYSTEMS CONDITIONING

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.14.05.10881	10	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2026CPT.14.05.10881			
2026CPT.14.05.20881			



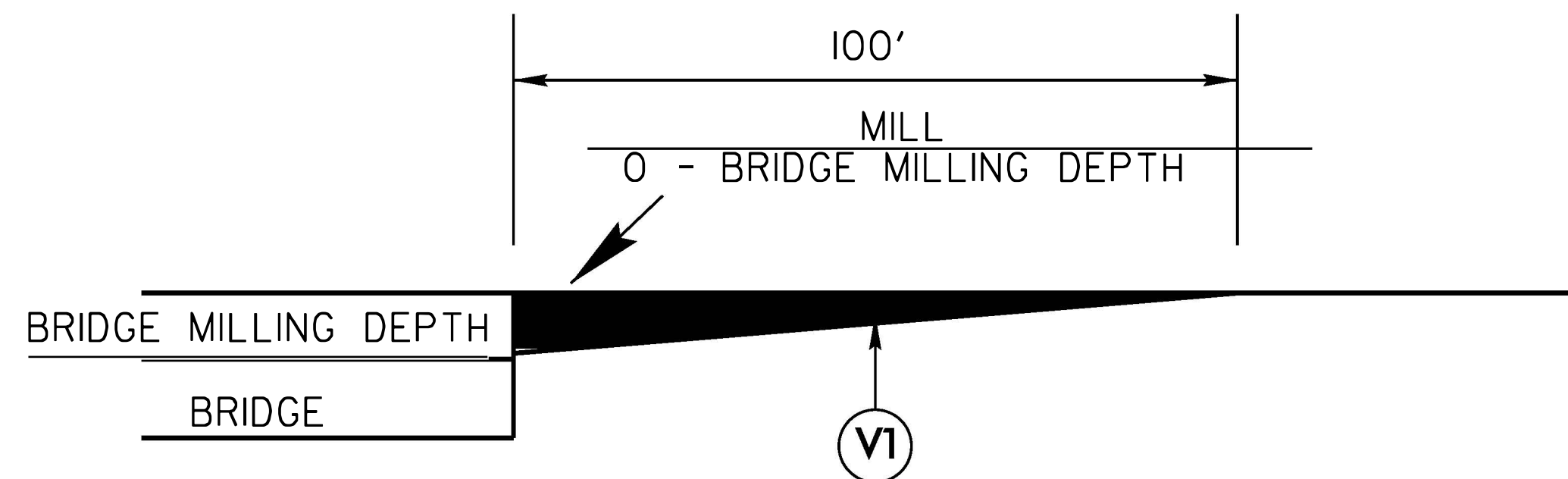
MILLING DETAIL AT BRIDGE APPROACHES

WHERE BRIDGES WILL NOT BE RESURFACED. THIS WILL BE PAID FOR AS INCIDENTAL MILLING.



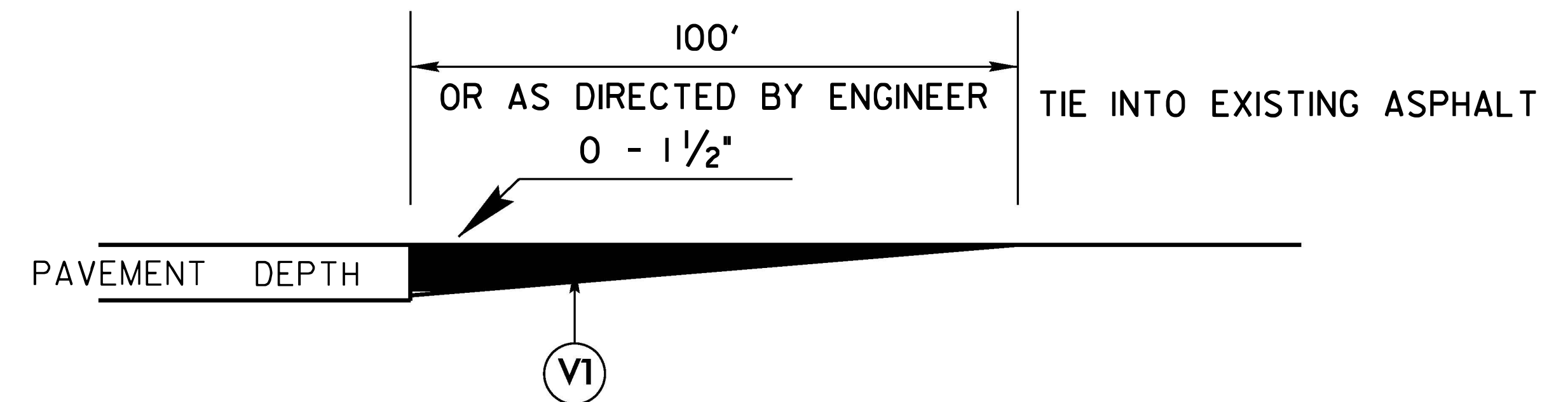
DETAIL SHOWING METHOD OF WEDGING

***PROPOSED WEDGE COURSE* (114 LBS PER SQ YARD PER 1" DEPTH)**



MILLING DETAIL AT BRIDGE APPROACHES

WHERE BRIDGES WILL BE MILLED THEN RESURFACED. THIS WILL BE PAID FOR AS INCIDENTAL MILLING.



DETAIL TO TIE INTO EXIST PAVEMENT

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT HE WILL BE REQUIRED TO MILL THE EXISTING ASPHALT PAVEMENT TO ENSURE A PROPER TIE-IN WITH THE EXISTING SURFACE AT THE BEGINNING, END AND Y LINES OF EACH MAP. THIS WILL BE PAID FOR AS 1 1/2" MILLING.

CONTRACT: DN01134

09/08/09

PROJECT NO.	SHEET NO.	TOTAL NO.
2026CPT.14.05.10881, 2026CPT.14.05.20881	11	

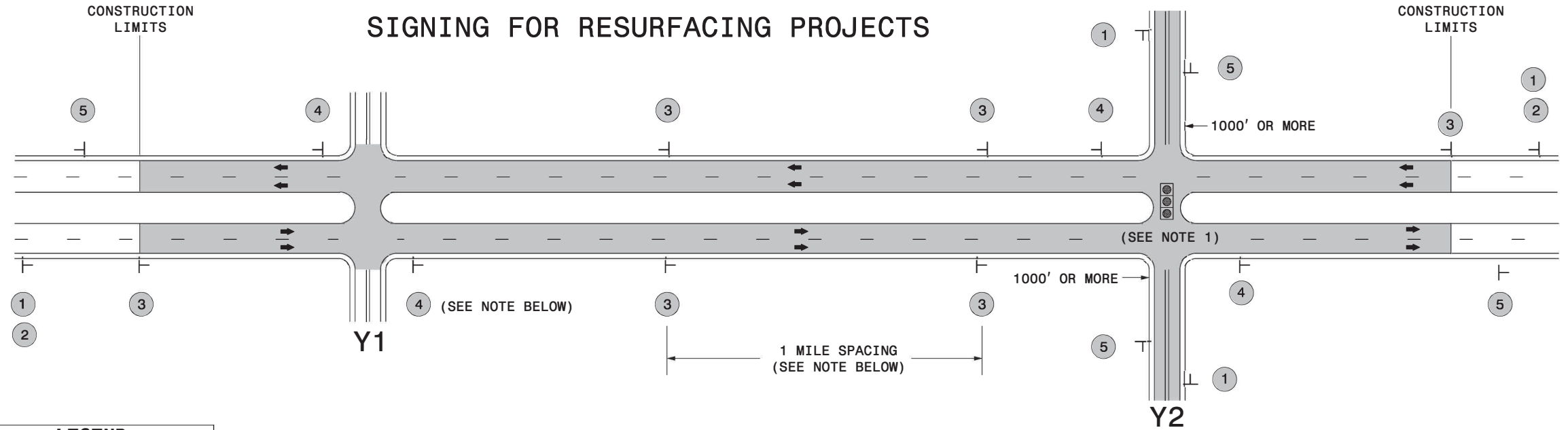
SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	1245000000-E	1260000000-E	1330000000-E	1519000000-E	1520000000-E	1523000000-E	1524000000-E	1575000000-E	1704000000-E	1881000000-E	1881000000-E			
												SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	LEVELING COURSE, S9.5B	SURFACE COURSE, S9.5C	LEVELING COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	CENTERLINE SINUSOIDAL MILLED RUMBLE STRIPS(16")	EDGELINE SINUSOIDAL MILLED RUMBLE STRIPS(8")			
												MI	FT	MP	MP	TONS	TONS	TONS	TONS	TONS	TONS	LF	LF		
2026CPT.14.05.10881	Transylvania	1	US-64	FROM SR 1135 TO SR 1329	1	2	2WD	2.390	35	12.000	14.390	4.40	717	515			4,262	1,604	346		997		8,120	16,240	
TOTAL FOR MAP NO. 1								2.390				4.40	717	515			4,262	1,604	346		997		8,120	16,240	
TOTAL FOR PROJ NO. 2026CPT.14.05.10881								2.390				4.40	717	515			4,262	1,604	346		997		8,120	16,240	
2026CPT.14.05.20881	Transylvania	2	SR-1528 / CRAB CREEK RD	FROM US 64 TO HENDERSON CO	2	2	2WD	4.090	22	0.000	4.090	8.18	1,227	1,323	5,516				406	997					
TOTAL FOR MAP NO. 2								4.090				8.18	1,227	1,323	5,516				406	997					
2026CPT.14.05.20881	Transylvania	3	SR-1541 / WILLIAMSON CREEK RD	FROM SR 1540 TO PVMNT CHANGE	2	2	2WD	0.760	21	0.000	0.760	1.52	228	233	811				57	90					
TOTAL FOR MAP NO. 3								0.760				1.52	228	233	811				57	90					
2026CPT.14.05.20881	Transylvania	4	SR-1309 / SILVERSTEEN RD	FROM SR 1313 TO US 64	2	2	2WD	0.640	20	7.460	8.100	1.28	192	548	712				51	95					
TOTAL FOR MAP NO. 4								0.640				1.28	192	548	712				51	95					
2026CPT.14.05.20881	Transylvania	5	SR-1130 / POWELL TOWN RD	FROM SR 1107 TO EOM	3	2	2WD	0.350	18	0.000	0.350	0.70	105		360	161			34						
TOTAL FOR MAP NO. 5								0.350				0.70	105		360	161			34						
TOTAL FOR PROJ NO. 2026CPT.14.05.20881								5.840				11.68	1,752	2,104	7,399	161			548	1,182					
GRAND TOTAL								8.230				16.08	2,469	2,619	7,399	161		4,262	1,604	894	1,182		8,120	16,240	

PROJECT NO.	SHEET NO.	TOTAL NO.
2026CPT.14.05.10881, 2026CPT.14.05.20881	12	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4413000000-E	4457000000-N	4688000000-E		4709000000-E	4725000000-E			4890000000-E		4895000000-N		
												WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)(WHITE)	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)(YELLOW)	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)(WHITE)	THERMO LT ARROW 90 M	THERMO STR ARROW 90 M	THERMO RT ARROW 90 M	WHITE HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES (4", 60 MILS)	YELLOW HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES (4", 60 MILS)	POLYCARBONATE H-SHAPED MARKERS		
								MI	FT			SF	LS	LF	LF	LF	EA	EA	EA	LF	LF	EA		
2026CPT.14.05.10881	Transylvania	1	US-64	FROM SR 1135 TO SR 1329	1	2	2WD	2.39	35	12	14.39	247	0.39	14,877	12,071	34	4	4	4			330.00		
TOTAL FOR MAP NO. 1								2.39				247	0.39	14,877	12,071	34	4	4.00	4			330.00		
TOTAL FOR PROJ NO. 2026CPT.14.05.10881								2.39				247	0.39	14,877	12,071	34	4	4.00	4			330.00		
												26,948		12										
2026CPT.14.05.20881	Transylvania	2	SR-1528 / CRAB CREEK RD	FROM US 64 TO HENDERSON CO	2	2	2WD	4.09	22	0	4.09	459	0.45			30				43,876	43,724	271.00		
TOTAL FOR MAP NO. 2								4.09				459	0.45			30					43,876	43,724	271	
2026CPT.14.05.20881	Transylvania	3	SR-1541 / WILLIAMSON CREEK RD	FROM SR 1540 TO PVMNT CHANGE	2	2	2WD	0.76	21	0	0.76	86	0.06							8,026	8,026			
TOTAL FOR MAP NO. 3								0.76				86	0.06								8,026	8,026		
2026CPT.14.05.20881	Transylvania	4	SR-1309 / SILVERSTEEN RD	FROM SR 1313 TO US 64	2	2	2WD	0.64	20	7.46	8.1	72	0.06							6,758	6,758			
TOTAL FOR MAP NO. 4								0.64				72	0.06									6,758	6,758	
2026CPT.14.05.20881	Transylvania	5	SR-1130 / POWELL TOWN RD	FROM SR 1107 TO EOM	3	2	2WD	0.35	18	0	0.35	40	0.04							1,848	3,696			
TOTAL FOR MAP NO. 5								0.35				40	0.040								1,848	3,696		
TOTAL FOR PROJ NO. 2026CPT.14.05.20881								5.84				657	0.610			30						60,508	62,204	271.00
												122,712												
GRAND TOTAL								8.23				904	1.000	14,877	12,071	64	4	4.00	4			60,508	62,204	601.00
												26,948		12			122,712							



LEGEND
 | STATIONARY SIGN
 ← DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	 	<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)</p>	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS <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 style="text-align: center;"> <small>W20-1 48" X 48"</small> </div> <div style="text-align: center;"> <small>W20-7 A 48" X 48"</small> </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p> <p>NOTES:</p> <ol style="list-style-type: none"> 1) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.
		<p>PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.</p>	
		<p>THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.</p>	
		<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</p>	

3/23/2015
 C:\Users\rmgarrett\Downloads\Resurfacing_AdvWarn_LrSu_Snldr.dgn
 User:rmgarrett



**RESURFACING
 ADVANCE WARNING SIGNS
 FOR RURAL AND SUBURBAN
 MULTI-LANE ROADWAYS
 W/ SHOULDER SECTIONS**