

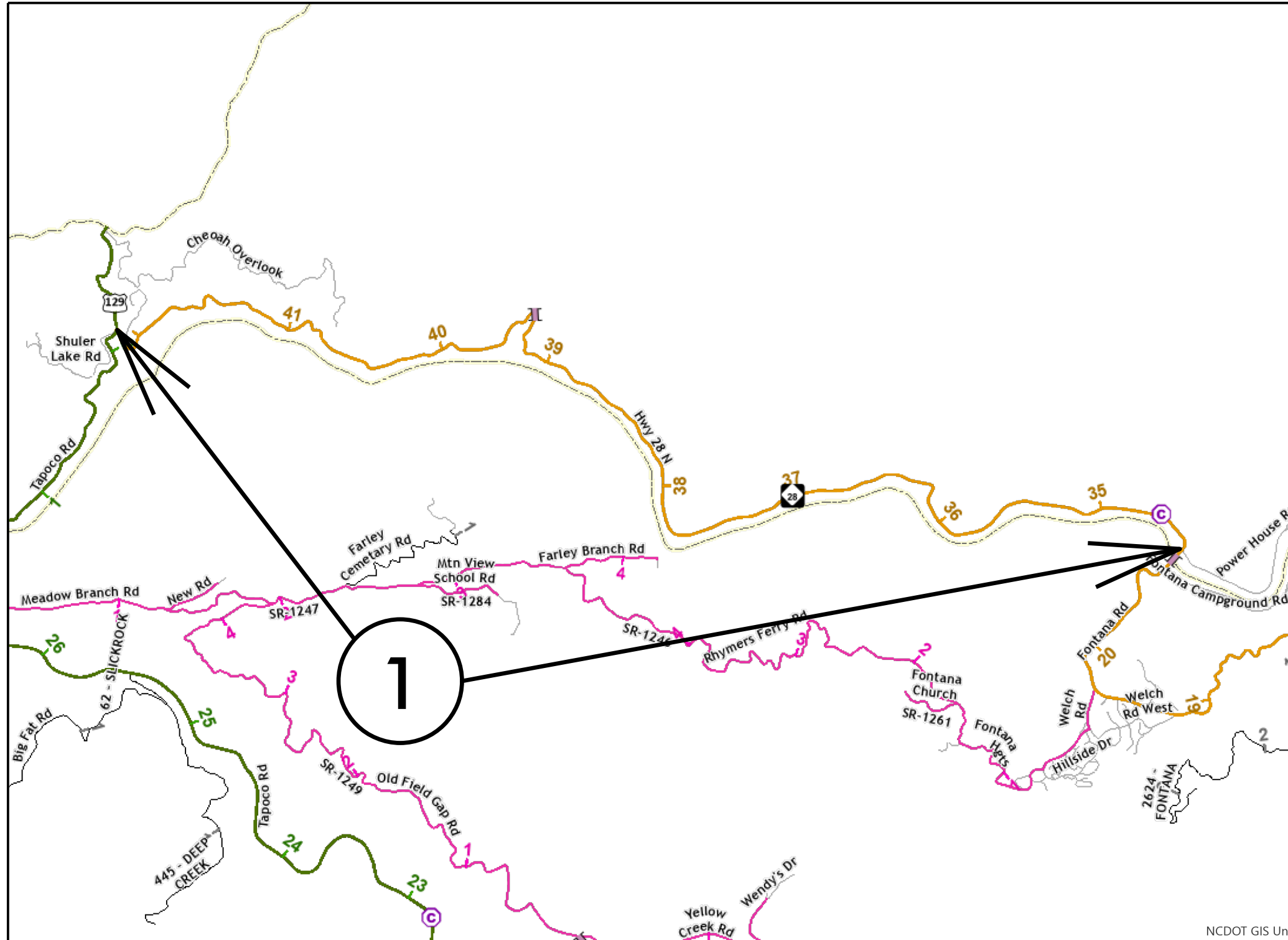
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SWAIN COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2025CPT.14.05.10871	1	11
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2025CPT.14.05.20381			
50775.3.1			



MAP 1



BEG



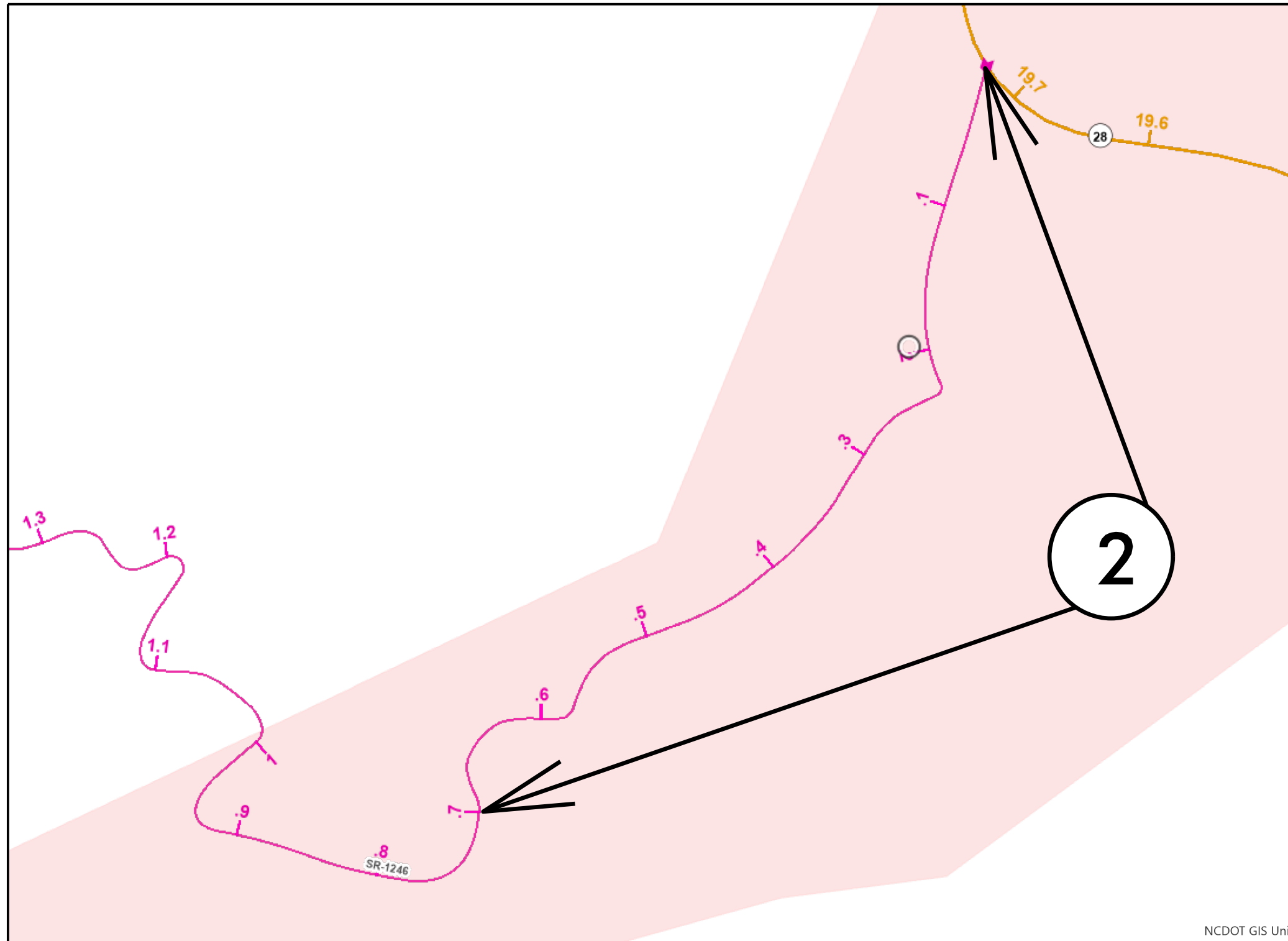
END

NCDOT GIS Unit

CONTRACT: DN01071

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2025CPT.14.04.20381	2	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	

GRAHAM COUNTY



MAP 2



BEG



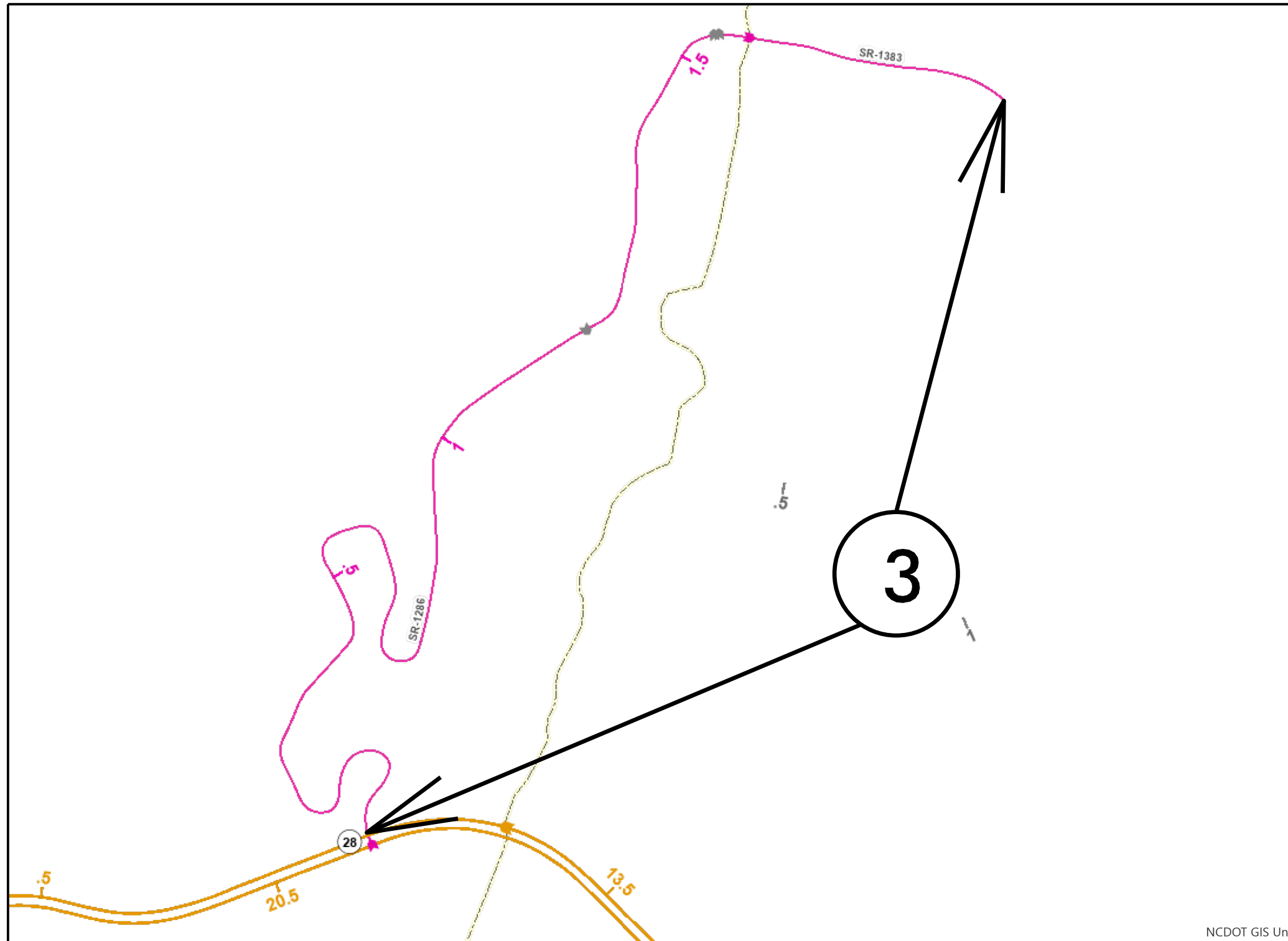
END

CONTRACT: DN01071

09/08/09

GRAHAM / SWAIN COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	50775.3.1	3	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	



MAP 3



BEG

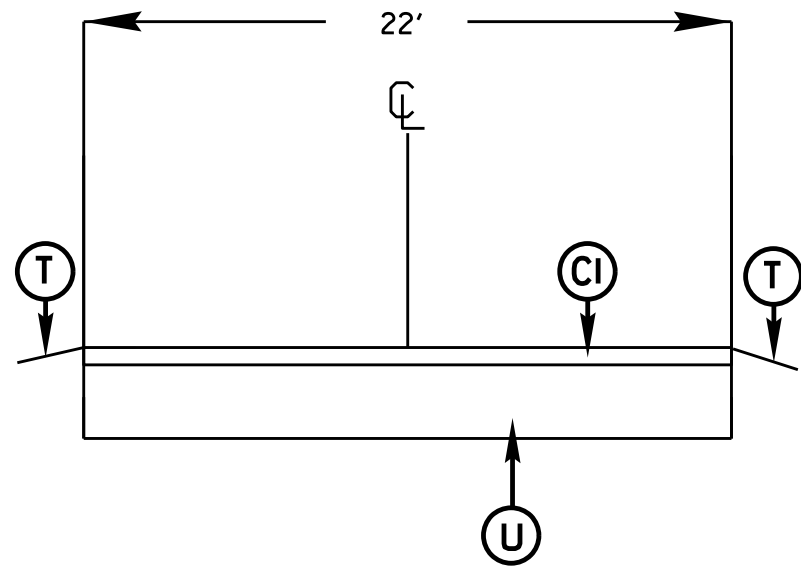


END

CONTRACT: DN01071

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2025CPT.14.05.10871	4	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2025CPT.14.05.20381			
50775.3.1			

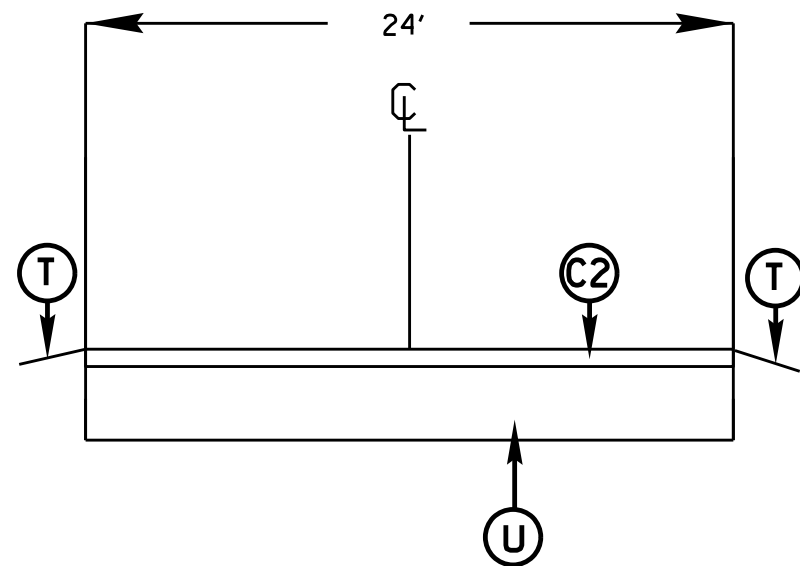
TYPICAL 1



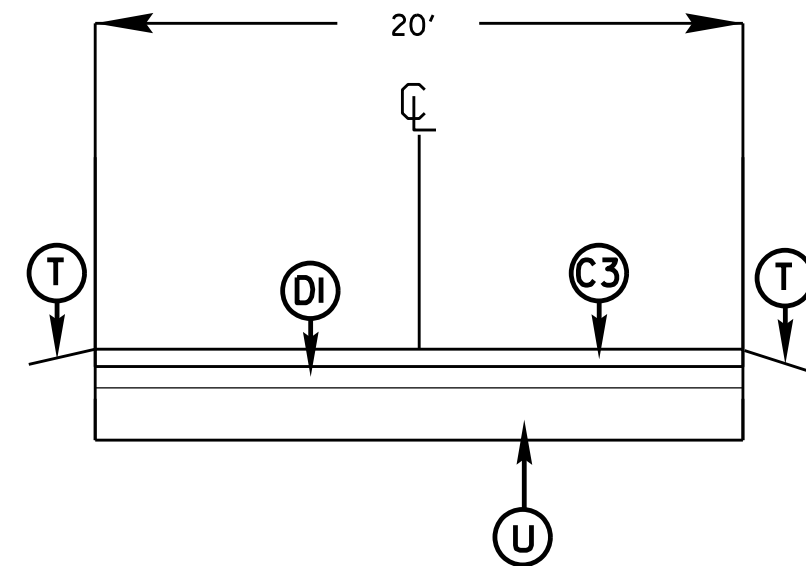
SURFACING SCHEDULE

ITEM NO	DESCRIPTION
C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C AT AN AVERAGE RATE OF 168 LBS.PER.SQ.YD
C2	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 165 LBS.PER.SQ.YD
C3	PROP. APPROX. 1 1/4" ASPHALT CONCRETE SURFACE LEVELING, COURSE TYPE S9.5B AT AN AVERAGE RATE OF 137.5 LBS.PER.SQ.YD
D1	PROP. APPROX. 2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE TYPE I19.0C AT AN AVERAGE RATE OF 285 LBS.PER.SQ.YD
T	SHOULDER RECONSTRUCTION WITH ASB. 2' WIDE UNLESS DIRECTED BY PROJECT ENGINEER - SEE PROJECT SPECIAL PROVISIONS -
U	EXISTING ASPHALT

TYPICAL 2



TYPICAL 3



CONTRACT: DN01071

09/08/09

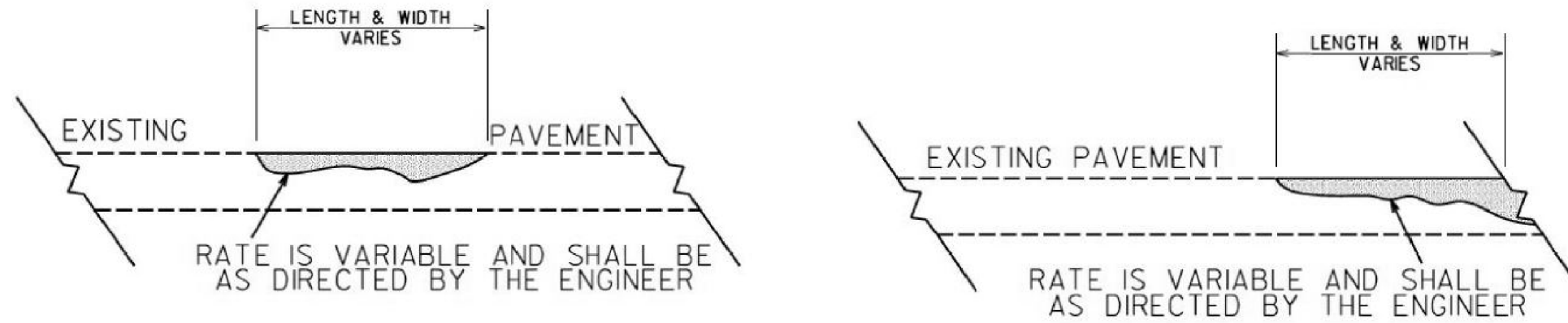
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2025CPT.14.05.10871	6	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2025CPT.14.05.20381			
50775.3.1			

Bridge Structure Table

Map #	Route No.	Road Name	County	Structure No.	Posted SV (Tons)	Posted TTST (Tons)	Paving Across Bridge
1	NC 28	NC 28	Swain	860017	99	99	Yes

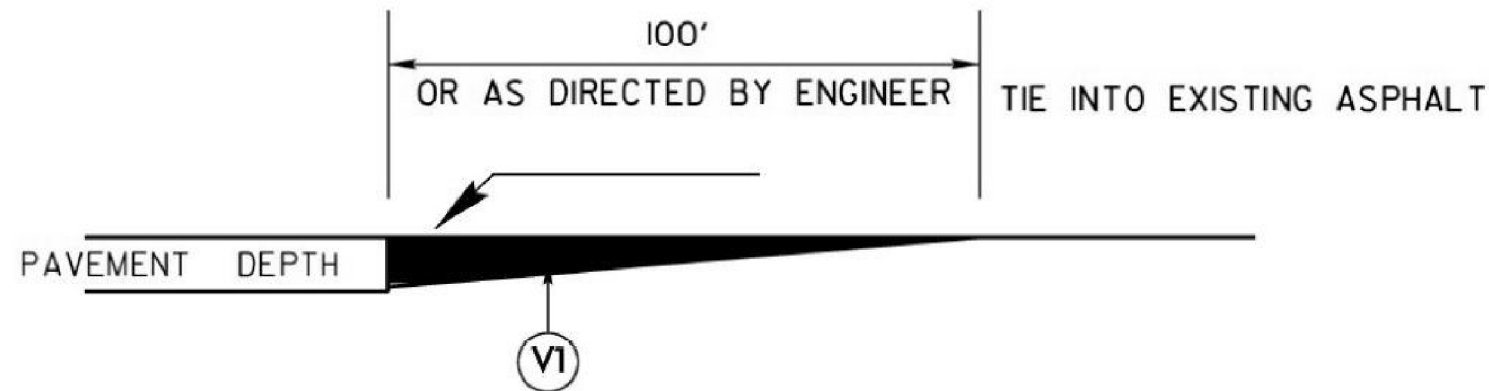
CONTRACT: DN01071

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2025CPT.14.05.10871	7	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2025CPT.14.05.20381			
50775.3.1			



DETAIL SHOWING METHOD OF WEDGING

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

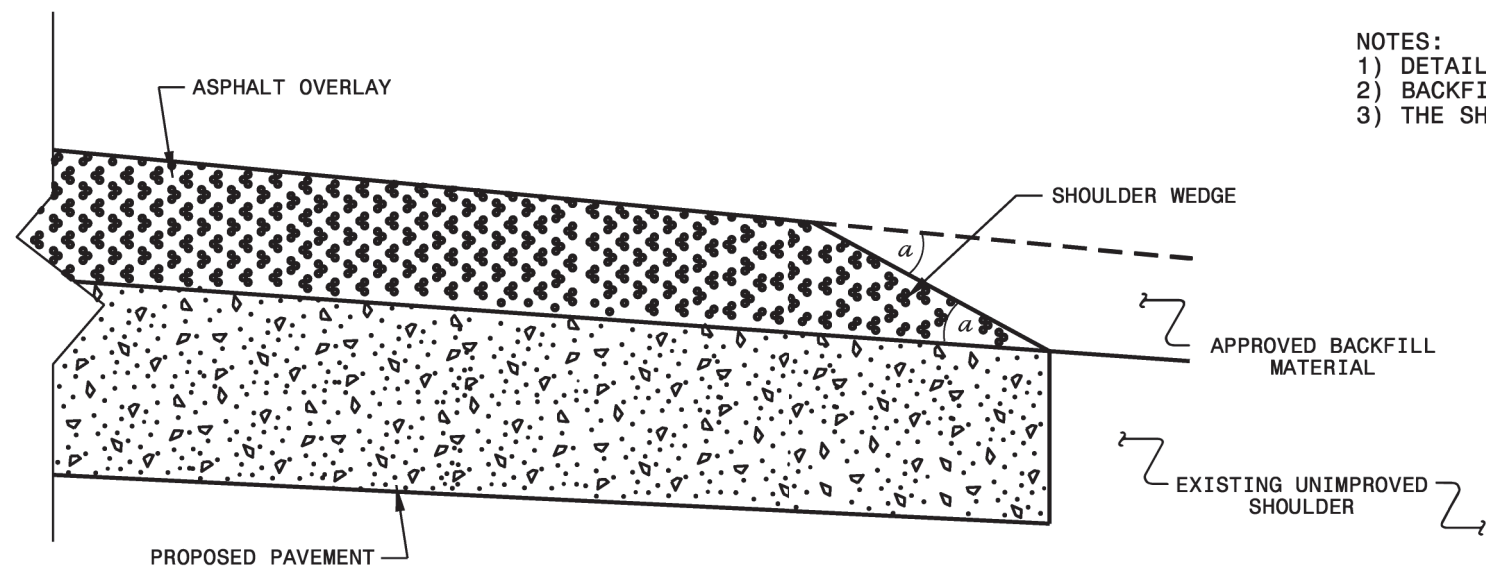


DETAIL TO TIE INTO EXIST PAVEMENT

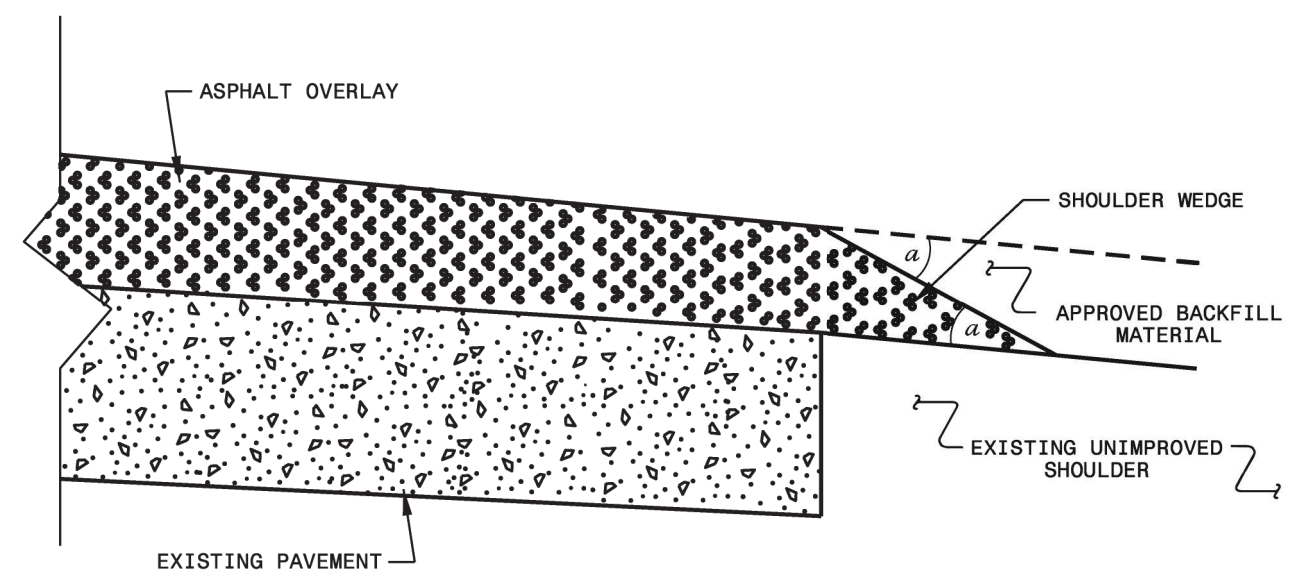
THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT HE WILL BE REQUIRED TO MILL THE EXISTING ASPHALT PAVEMENT TO ENSURE A PROPER TIE-IN WITH THE EXISTING SURFACE AT THE BEGINNING, END AND Y LINES OF EACH MAP.

CONTRACT: DN01071

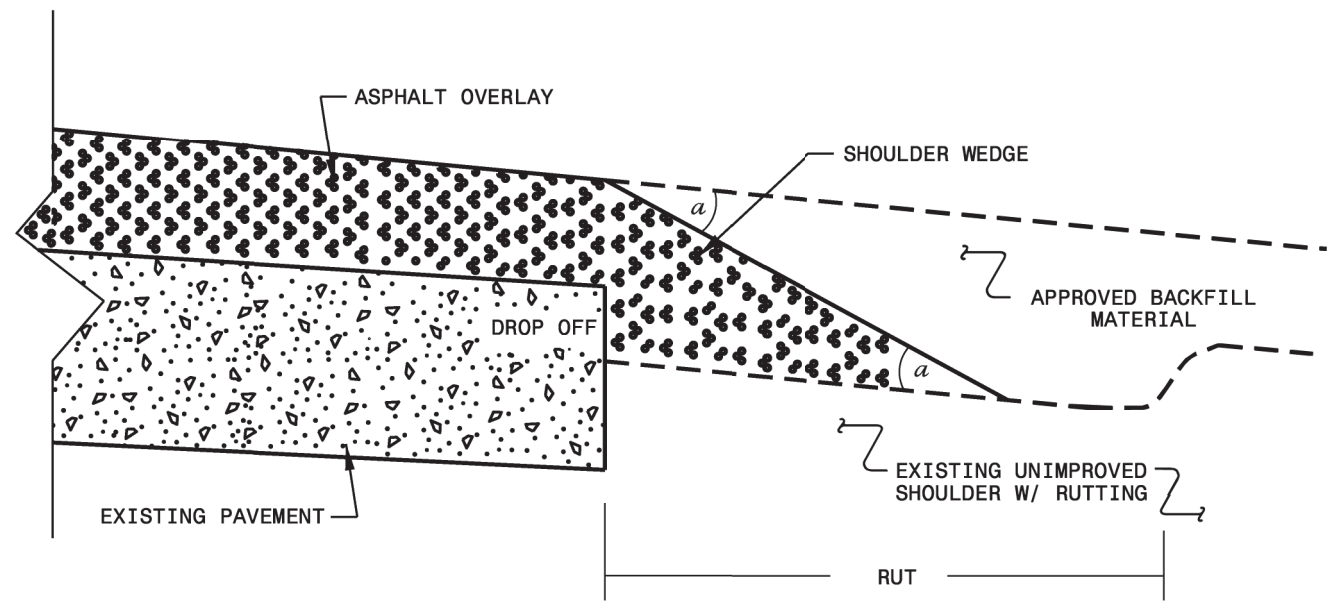
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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\shoulderwed_detail.dwg			

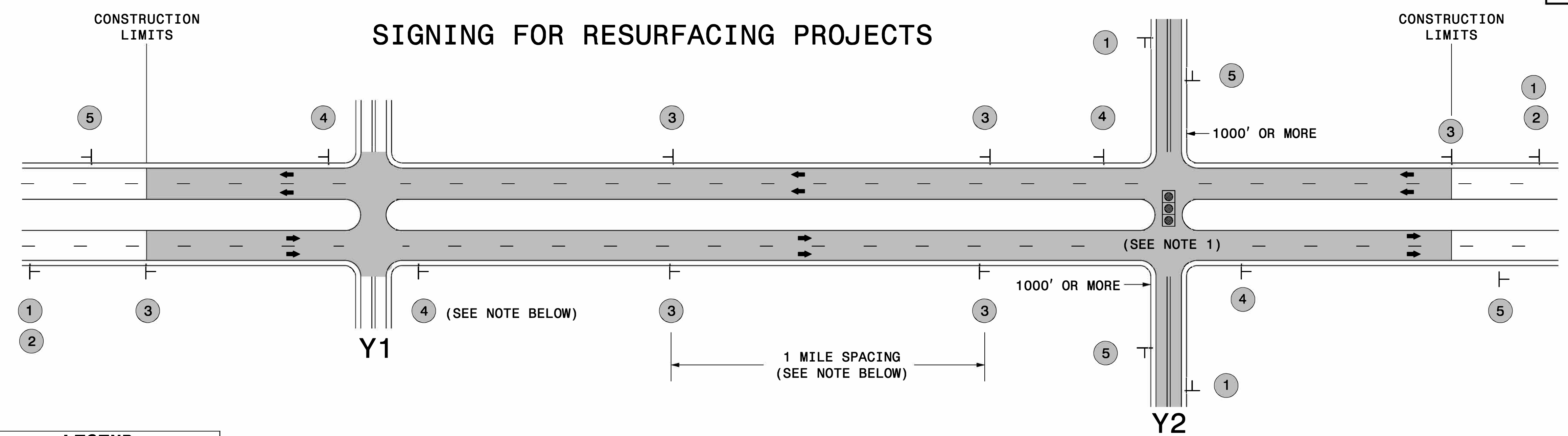
CONTRACT: DN01071

SYSTEMS CONDITIONING
SERVICES

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.14.05.10871, 2025CPT.14.05.20381	10	
50775.3.1		

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	4685000000-E		4890000000-E		
												WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	WHITE HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES, 4", 50 MIL	YELLOW HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES, 4", 50 MIL	WHITE HOT SPRAY THERMOPLASTIC PAVEMENT MARKINGS LINES, 24", 50 MIL
												SF	LS	LF	LF	LF	LF	LF
2025CPT.14.05.10871	Swain	1	NC-28	FROM BRIDGE 9 TO US 129	1	2	2WU	7.84	22	34.4	42.24	896	0.80	82,790	82,790			
TOTAL FOR MAP NO. 1								7.84				896	0.80	82,790	82,790			
TOTAL FOR PROJ NO. 2025CPT.14.05.10871								7.84				896	0.80	82,790	82,790			
														165,580				
2025CPT.14.05.20381	Graham	2	SR-1246 / WELCH RD	FROM NC 28 ALONG SR-1246	3	2	2WU	0.7	24	0	0.7	112	0.10			6,710	6,710	
TOTAL FOR MAP NO. 2								0.7				112	0.10			6,710	6,710	
TOTAL FOR PROJ NO. 2025CPT.14.05.20381								0.7				112	0.10			6,710	6,710	
														13,420				
50775.3.1	Graham	3	SR-1286 / TSALI RD	FROM NC28 TO EOM	2	2	2WU	1.85	20	0	1.85	208	0.10			18,600	18,600	26
TOTAL FOR MAP NO. 3								1.85				208	0.100			18,600	18,600	26
TOTAL FOR PROJ NO. 50775.3.1								1.85				208	0.100			18,600	18,600	26
														37,226				
GRAND TOTAL								10.39				1,216	1.000	82,790	82,790	25,310	25,310	26
														165,580		50,646		



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;"> <small>W20-1 48" X 48"</small> <small>W20-7 A 48" X 48"</small> </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>	

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