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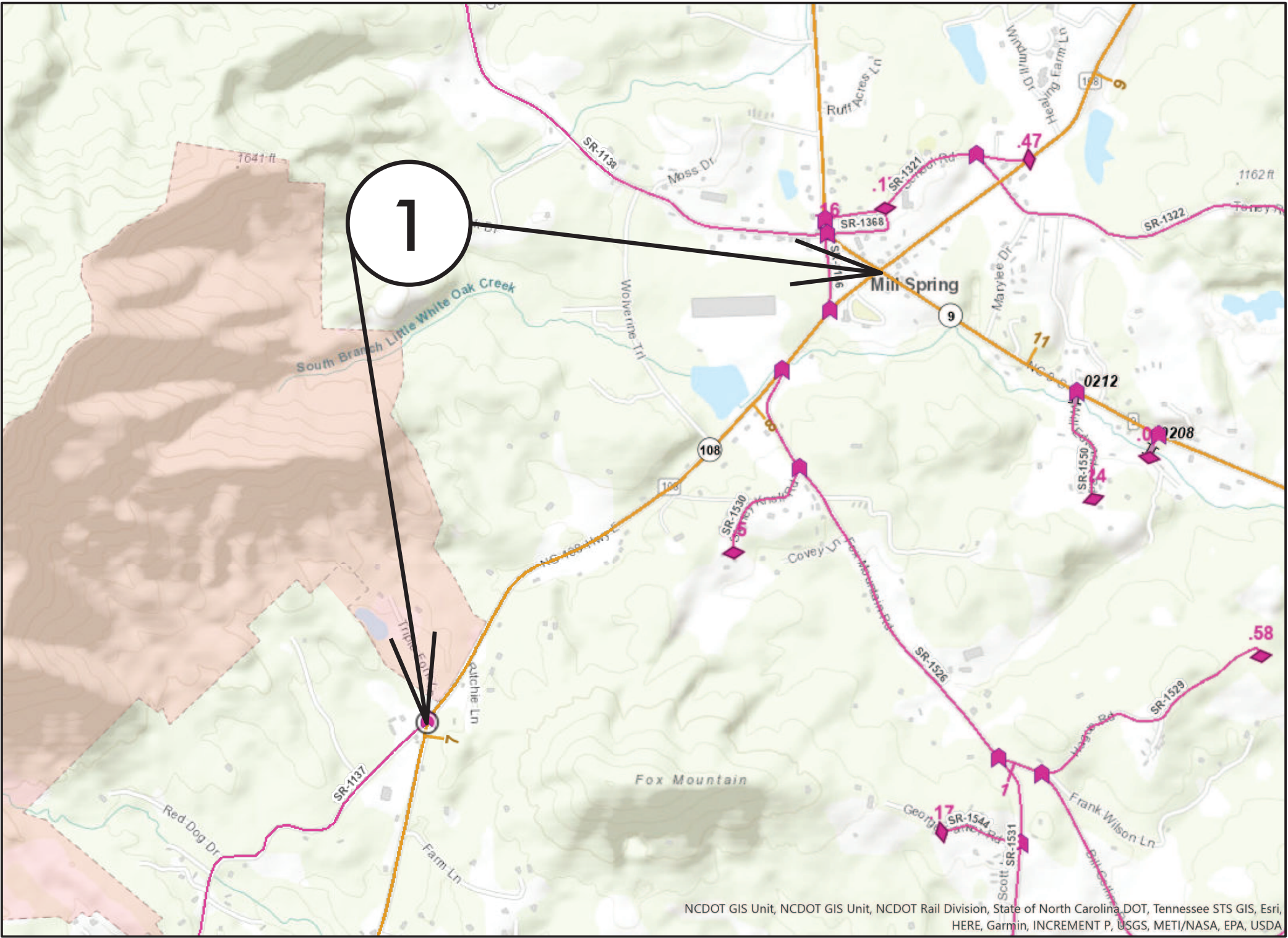
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09/08/09

CONTRACT: DN01109

POLK COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2025CPT.14.12.10751	1	12
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2025CPT.14.12.20751		CON	



MAP 1



BEG



END

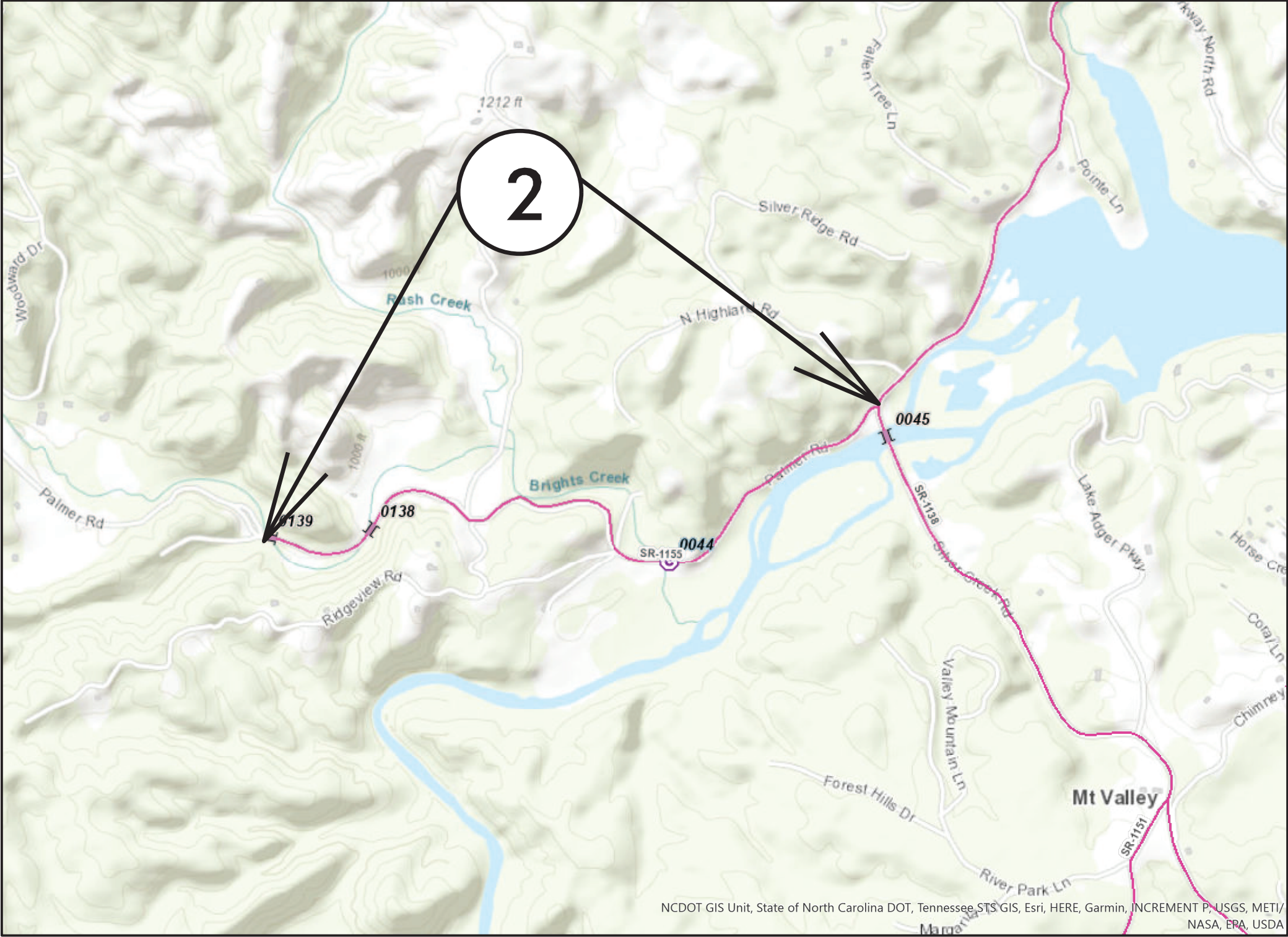
NCDOT GIS Unit, NCDOT GIS Unit, NCDOT Rail Division, State of North Carolina DOT, Tennessee STS GIS, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA

09/08/09

CONTRACT: DN01109

POLK COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2025CPT.14.12.20751	2	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	



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



MAP 2



BEG



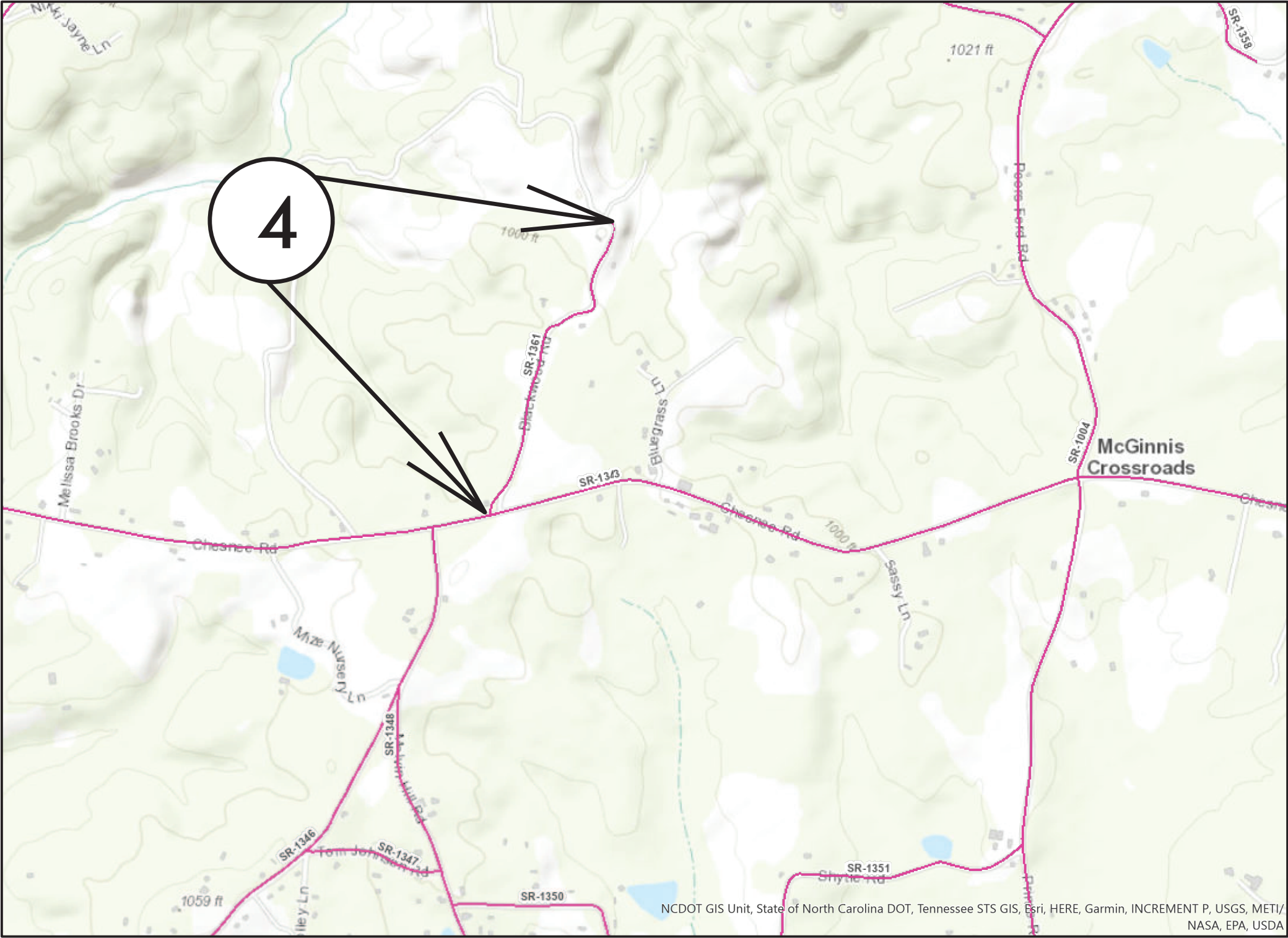
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09/08/09

CONTRACT: DN01109

POLK COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2025CPT.14.12.20751	4	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	



MAP 4



BEG



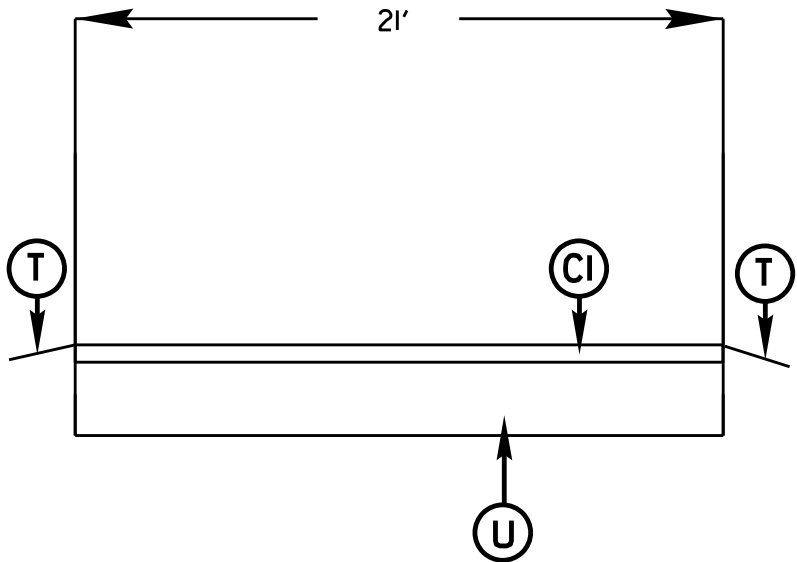
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09/08/09

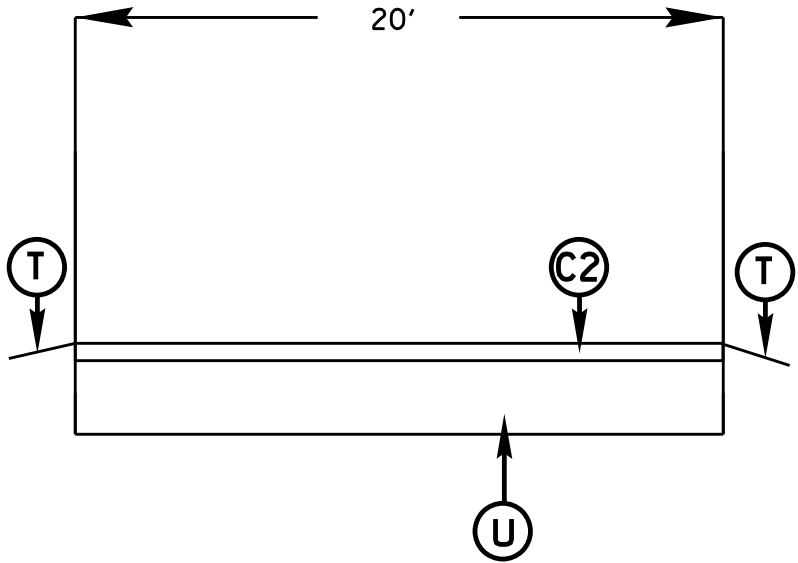
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2025CPT.14.12.10751	5	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2025CPT.14.12.20751			

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 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165LBS. PER SQ. YD.
C3	PROP. APPROX. 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 138LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION WITH ASB. 2' WIDE UNLESS DIRECTED BY PROJECT ENGINEER -SEE PROJECT SPECIAL PROVISIONS-
U	EXISTING PAVEMENT

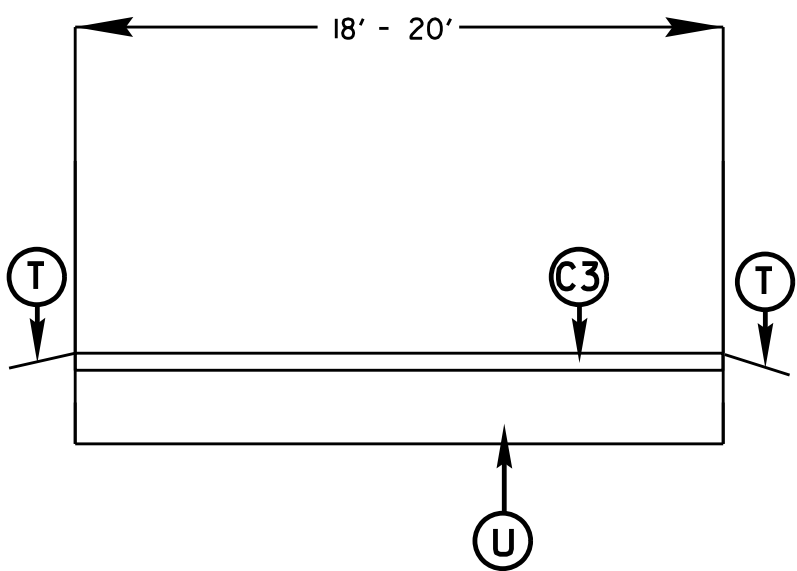
TYPICAL 1



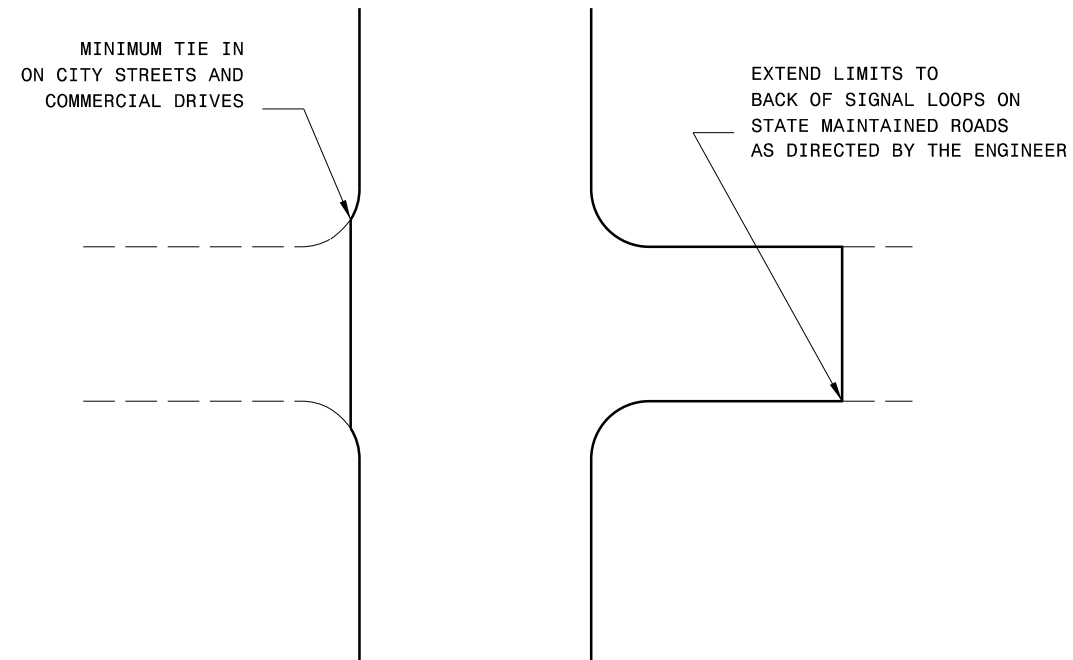
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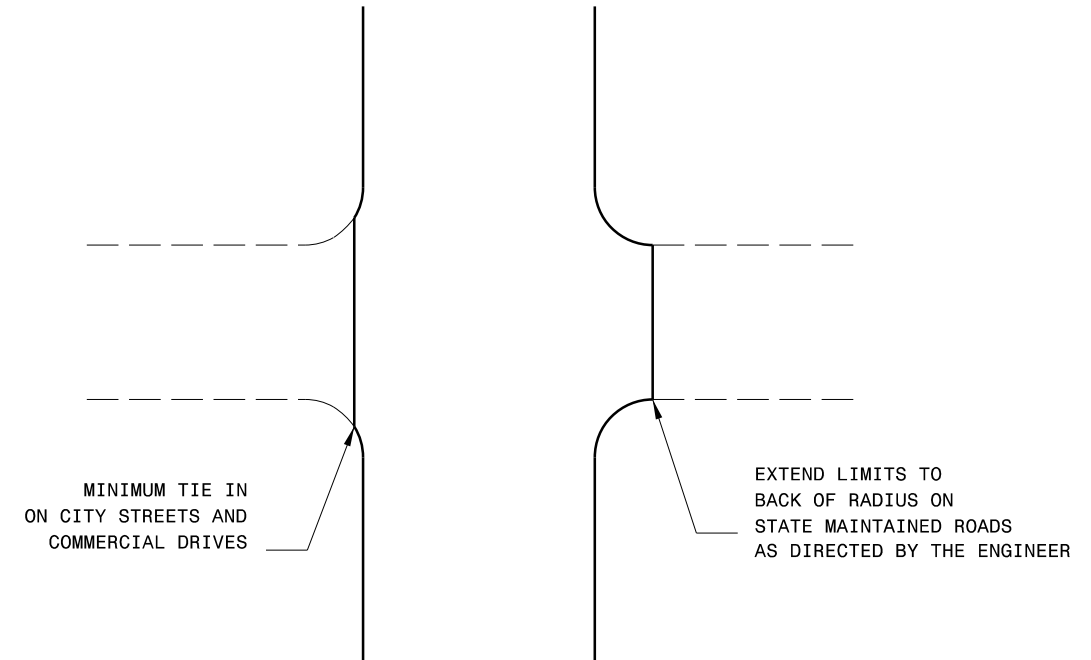
TYPICAL 3



CONTRACT: DN01109



TYPICAL DETAIL OF PROJECT LIMITS AT
SIGNALIZED Y LINES



TYPICAL DETAIL OF PROJECT LIMITS AT
UNSIGNALIZED Y LINES

ADDITIONAL INTERSECTIONS (NON-TYPICAL)

Extend paving limits to back of radius
or loop on the following intersections:

[illegible]

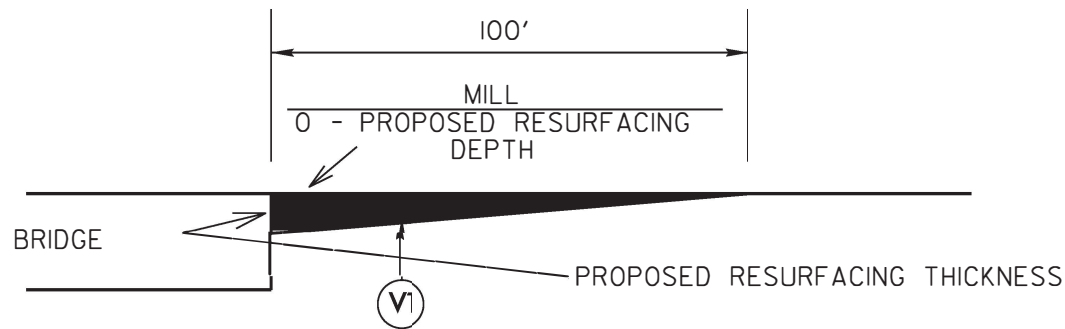
09/08/09

CONTRACT: DN01109

STATE	STATE PROJECT REFERENCE NO.		SHEET NO.	TOTAL SHEETS
N.C.	2025CPT.14.12.10751		7	
STATE PROJ. NO.		F. A. PROJ. NO.	DESCRIPTION	
2025CPT.14.12.20751				

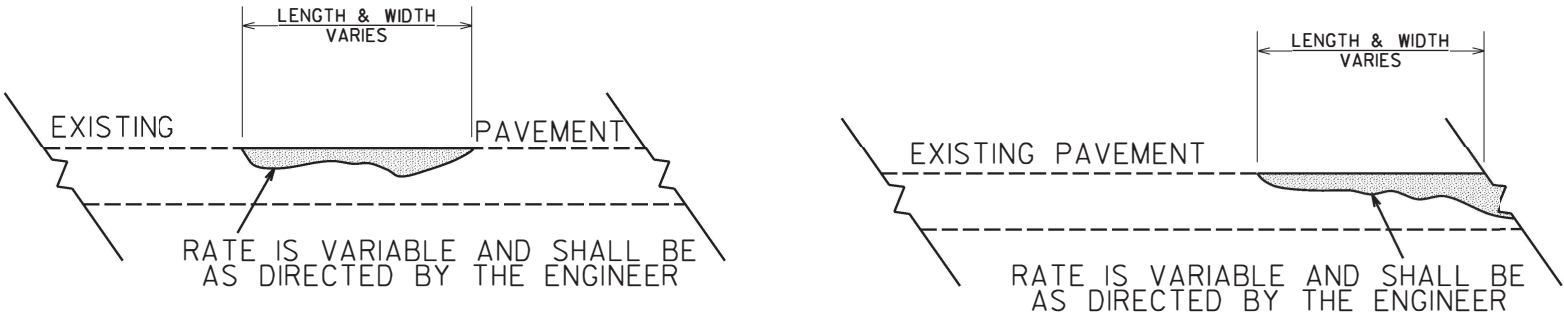
Bridge Structure Table							
Map #	Route No.	Road Name	County	Structure No.	Posted SV (Tons)	Posted TTST (Tons)	Paving Across Bridge
2	SR-1155	Palmer Rd	Polk	740138	99	99	Yes
2	SR-1155	Palmer Rd	Polk	740139	99	99	Yes

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2025CPT.14.12.10751	8	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2025CPT.14.12.20751			



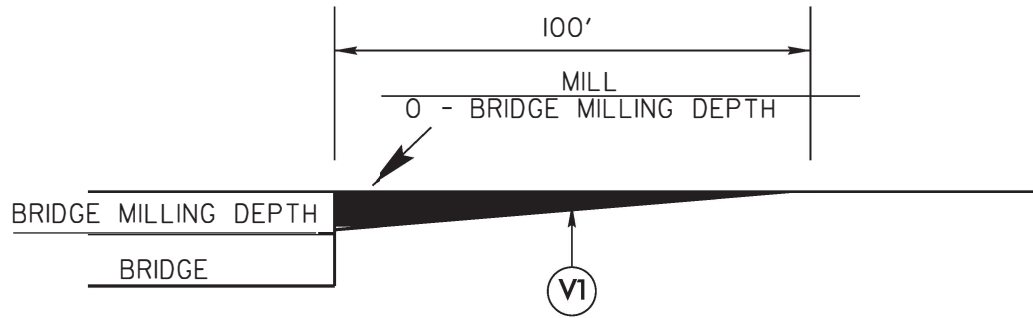
MILLING DETAIL AT BRIDGE APPROACHES

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



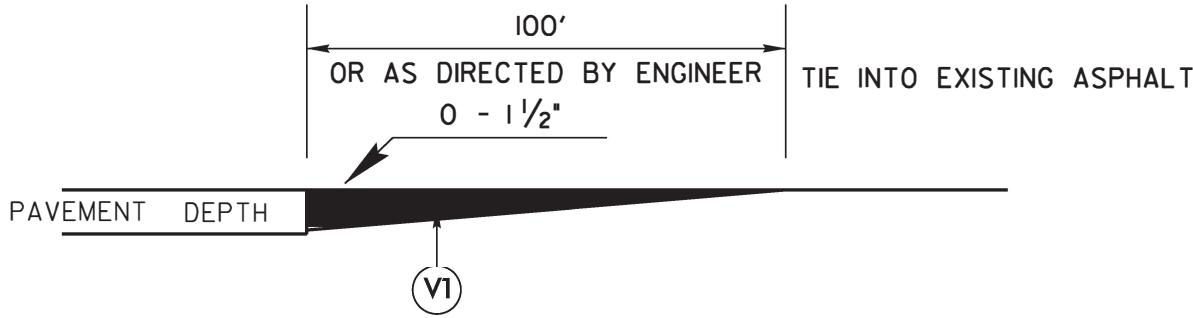
DETAIL SHOWING METHOD OF WEDGING

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



MILLING DETAIL AT BRIDGE APPROACHES

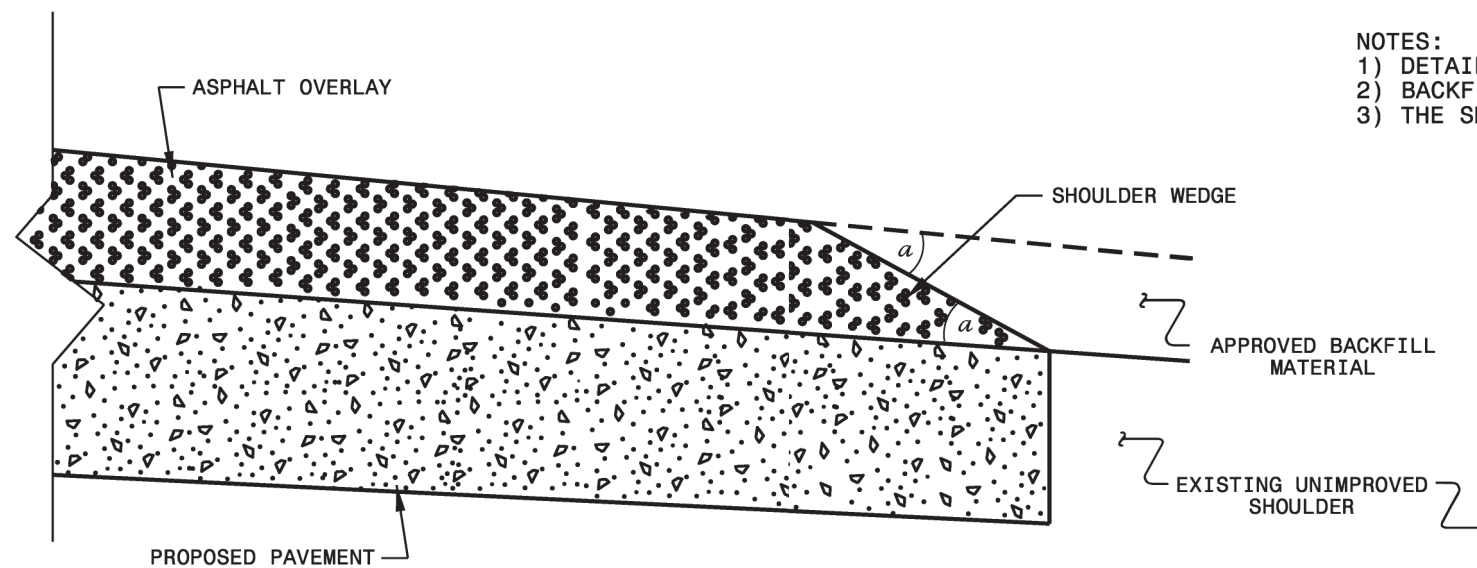
**WHERE BRIDGES WILL BE MILLED THEN RESURFACED.
THIS WILL BE PAID FOR AS INCIDENTAL MILLING.**



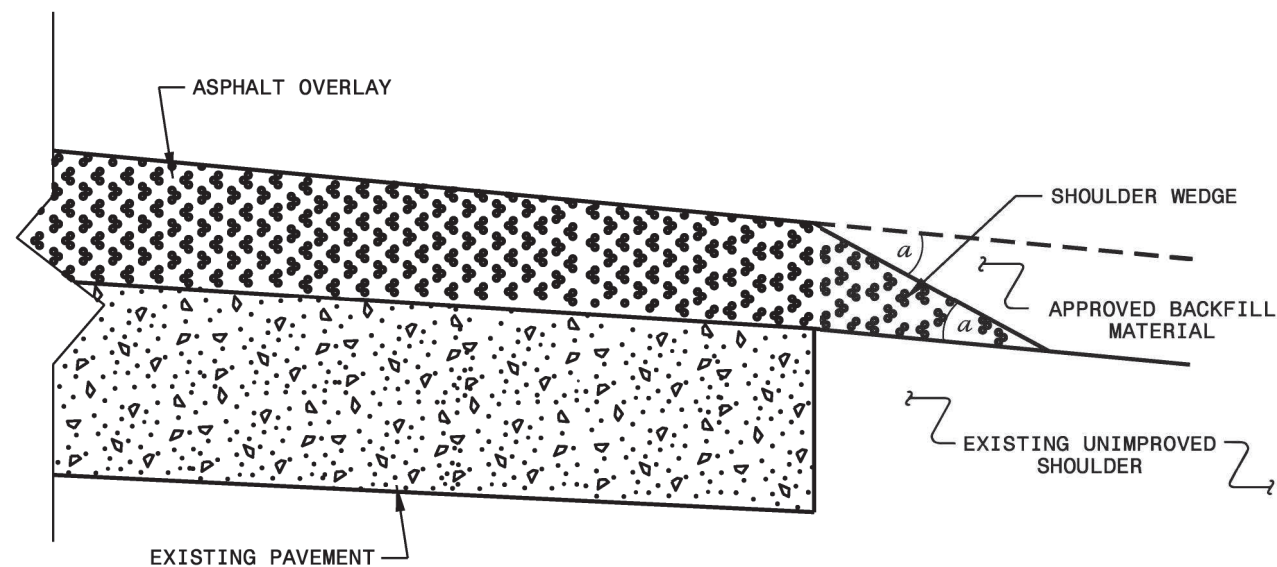
DETAIL TO TIE INTO EXIST PAVEMENT

**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.**

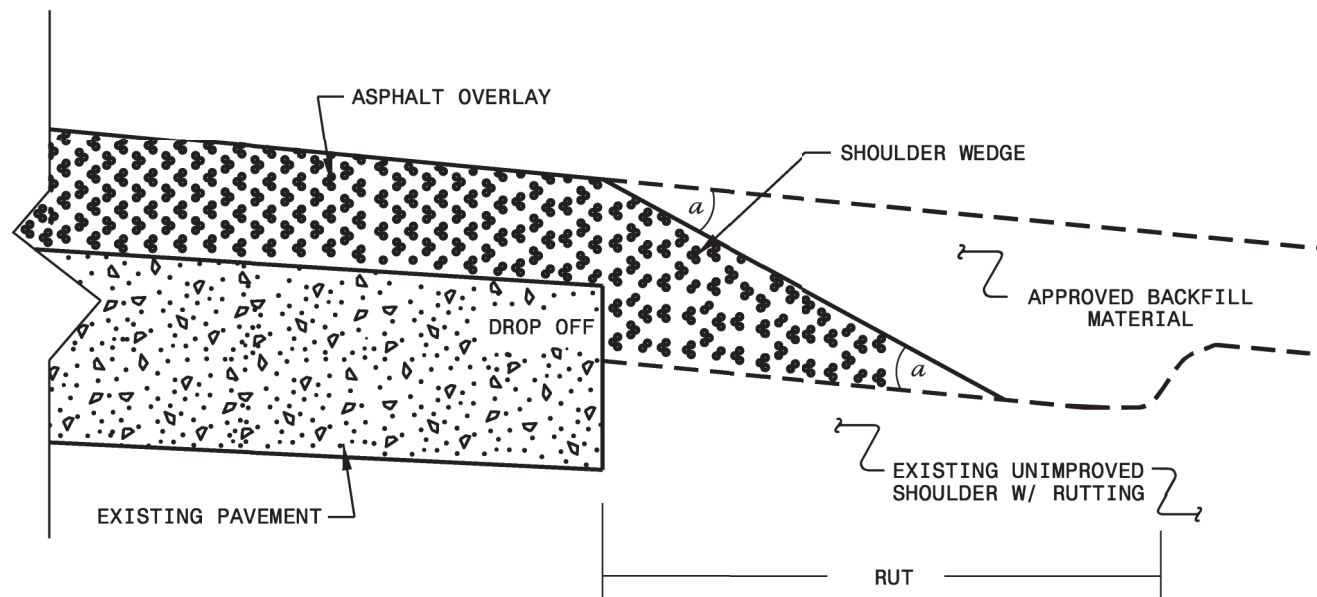
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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.dgn		

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.14.12.10751	10	
2025CPT.14.12.20751		

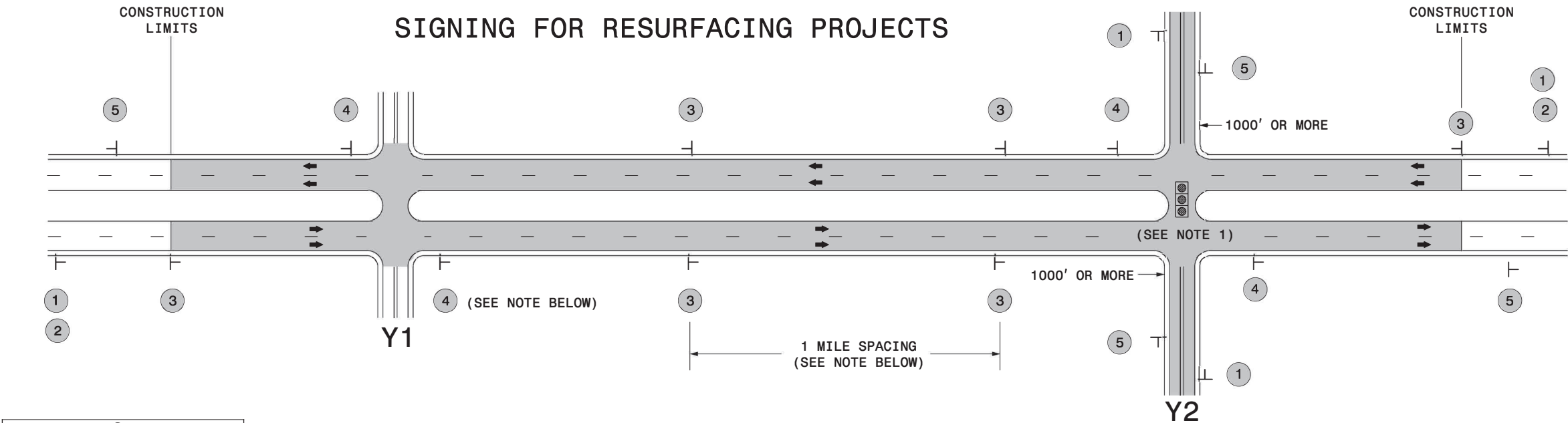
SUMMARY OF QUANTITIES

												1245000000-E	1260000000-E	1330000000-E	1519000000-E	1523000000-E	1575000000-E	1704000000-E	7444000000-E	7456100000-E
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	INDUCTIVE LOOP SAWCUT	LEAD-IN CABLE (14-2)
								MI	FT			SMI	TON	SY	TONS	TONS	TONS	TONS	LF	LF
2025CPT.14.12.10751	Polk	1	NC-108	FROM SR 1137 TO NC 9	1	2	2WU	1.37	21	7.02	8.39	2.75	411	652		1,489	111	480	32.00	115.00
TOTAL FOR MAP NO. 1								1.37				2.75	411	652		1,489	111	480	32.00	115.00
TOTAL FOR PROJ NO. 2025CPT.14.12.10751								1.37				2.75	411	652		1,489	111	480	32.00	115.00
2025CPT.14.12.20751	Polk	2	SR-1155 / PALMER RD	FROM SR 1138 TO EOP	2	2	2WU	1.39	20	0	1.39	2.78	417	705	1,417		94	48		
TOTAL FOR MAP NO. 2								1.39				2.78	417	705	1,417		94	48		
2025CPT.14.12.20751	Polk	3	SR-1107 / COUNTRY CLUB RD	FROM US 176 TO EOP	3	2	2WU	2.52	20	0	2.52	5.04	756	250	2,154		146	126		
TOTAL FOR MAP NO. 3								2.52				5.04	756	250	2,154		146	126		
2025CPT.14.12.20751	Polk	4	SR-1361 / BLACKWOOD RD	FROM SR 1343 TO EOP	3	2	2WU	0.7	18	0	0.7	1.40	210		544		37	41		
TOTAL FOR MAP NO. 4								0.7				1.40	210		544		37	41		
TOTAL FOR PROJ NO. 2025CPT.14.12.20751								4.61				9.22	1,383	955	4,115		277	215		
GRAND TOTAL								5.98				11.97	1,794	1,607	4,115	1,489	388	695	32.00	115.00

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.14.12.10751	11	
2025CPT.14.12.20751		

THERMOPLASTIC AND PAINT QUANTITIES

												4413000000-E	4457000000-N	4688000000-E		4720000000-E	4725000000-E		4726010000-E	4890000000-E		4709000000-E	4895000000-N
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	WORK ZONE ADVANCE/GE NERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	6" X 90 M WHITE THERMO	6" X 90 M YELLOW THERMO	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	THERMO STR ARROW 90 M	HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	WHITE HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES, 4", 60 MILS	YELLOW HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES, 4", 60 MILS	THERMOPLASTIC MARKING LINES, 24", 90 MILS	GENERIC PAVEMENT MARKING ITEM - (POLYCARBONATE H- SHAPED MARKERS)
								MI	FT														
2025CPT.14.12.10751	Polk	1	NC-108	FROM SR 1137 TO NC 9	1	2	2WU	1.37	21	7.02	8.39	168	0.30	15,324	15,288	12	3		330			96	160.00
TOTAL FOR MAP NO. 1								1.37				168	0.30	15,324	15,288	12	3		330			96	160.00
TOTAL FOR PROJ NO. 2025CPT.14.12.10751								1.37				168	0.30	15,324	15,288	12	3		330			96	160.00
														30,612			3						
2025CPT.14.12.20751	Polk	2	SR-1155 / PALMER RD	FROM SR 1138 TO EOP	2	2	2WU	1.39	20	0	1.39	168	0.20					2		14,683	14,683		
TOTAL FOR MAP NO. 2								1.39				168	0.20					2		14,683	14,683		
2025CPT.14.12.20751	Polk	3	SR-1107 / COUNTRY CLUB RD	FROM US 176 TO EOP	3	2	2WU	2.52	20	0	2.52	283	0.40							26,612	26,612		
TOTAL FOR MAP NO. 3								2.52				283	0.40							26,612	26,612		
2025CPT.14.12.20751	Polk	4	SR-1361 / BLACKWOOD RD	FROM SR 1343 TO EOP	3	2	2WU	0.7	18	0	0.7	112	0.10							7,392	7,392		
TOTAL FOR MAP NO. 4								0.7				112	0.100							7,392	7,392		
TOTAL FOR PROJ NO. 2025CPT.14.12.20751								4.61				563	0.700					2		48,687	48,687		
																	2			97,374			
GRAND TOTAL								5.98				731	1.000	15,324	15,288	12	3	2	330	48,687	48,687	96	160
														30,612			5			97,374			



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1 2 ROAD WORK AHEAD W20-1 48" X 48" NEXT XX MILES W7-3aP 24" X 18" PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE. #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)	NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS: 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS 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. ROAD WORK AHEAD W20-1 48" X 48" ROAD WORK AHEAD W20-7 A 48" X 48" PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER. NOTES: 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.
	3 LOWSOFT SHOULDER 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 ROAD UNDER CONST 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 END ROAD WORK G20-2 A 48" X 24" PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.	