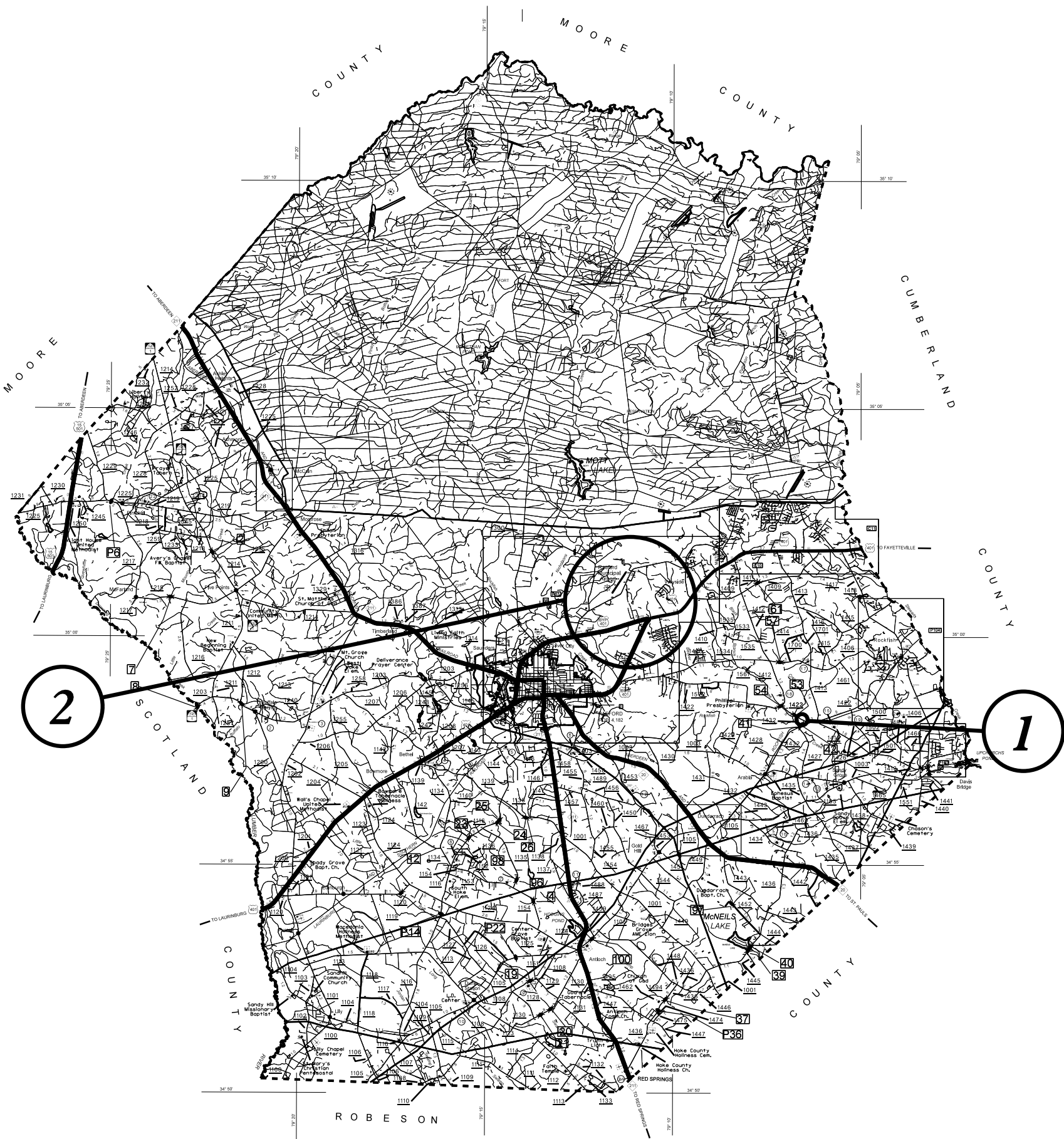


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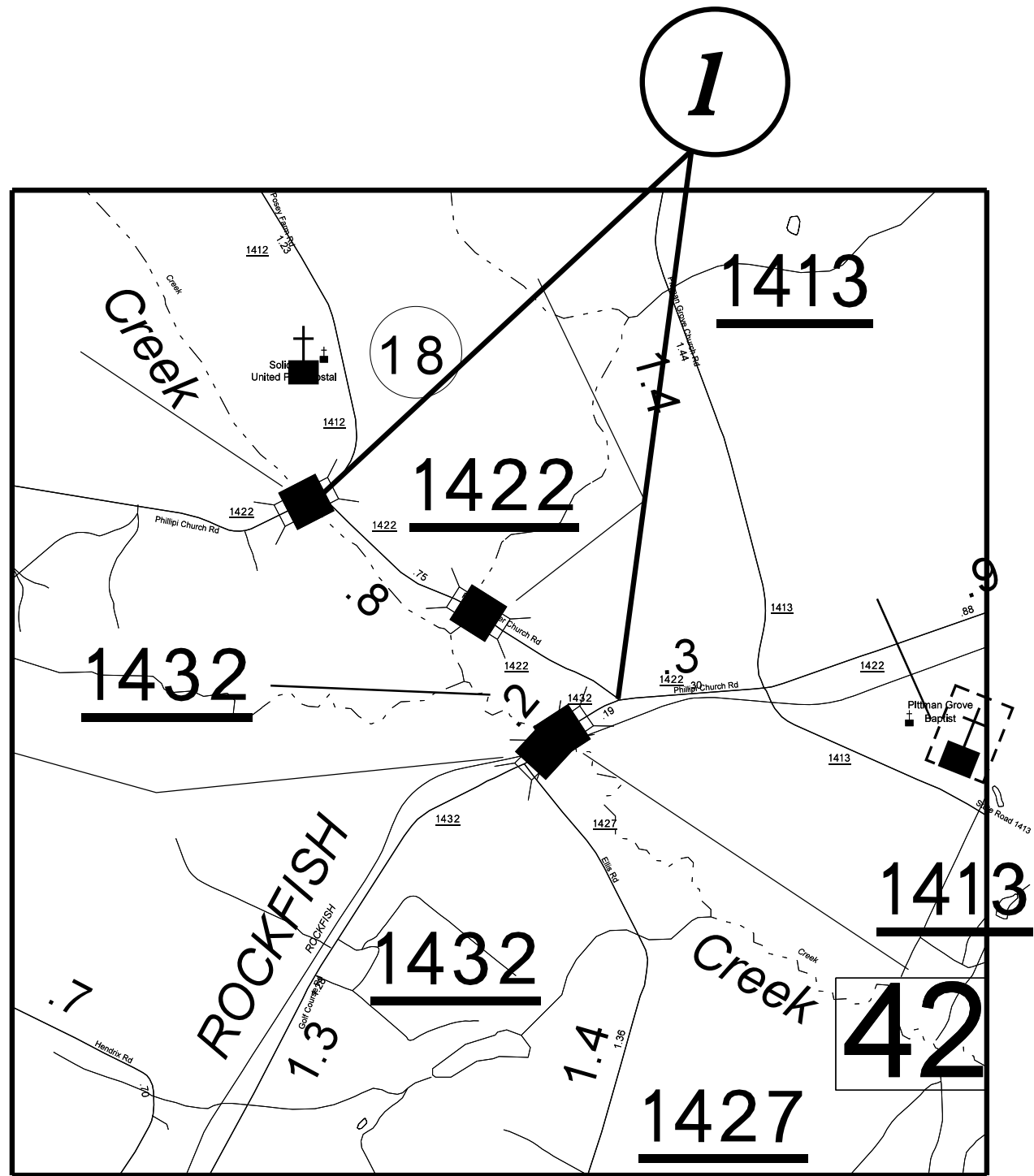
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**This file or an individual page
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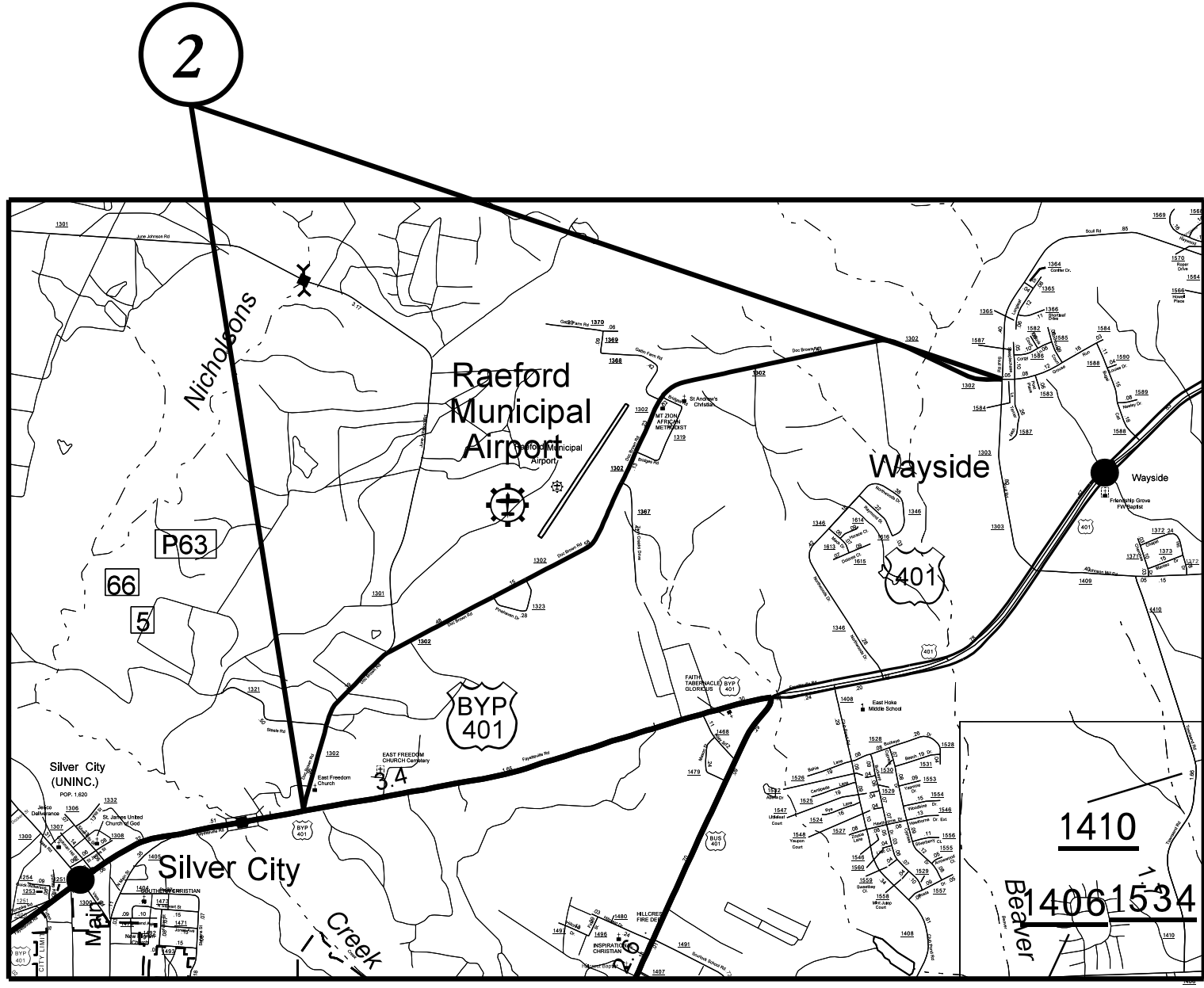


HOKE COUNTY

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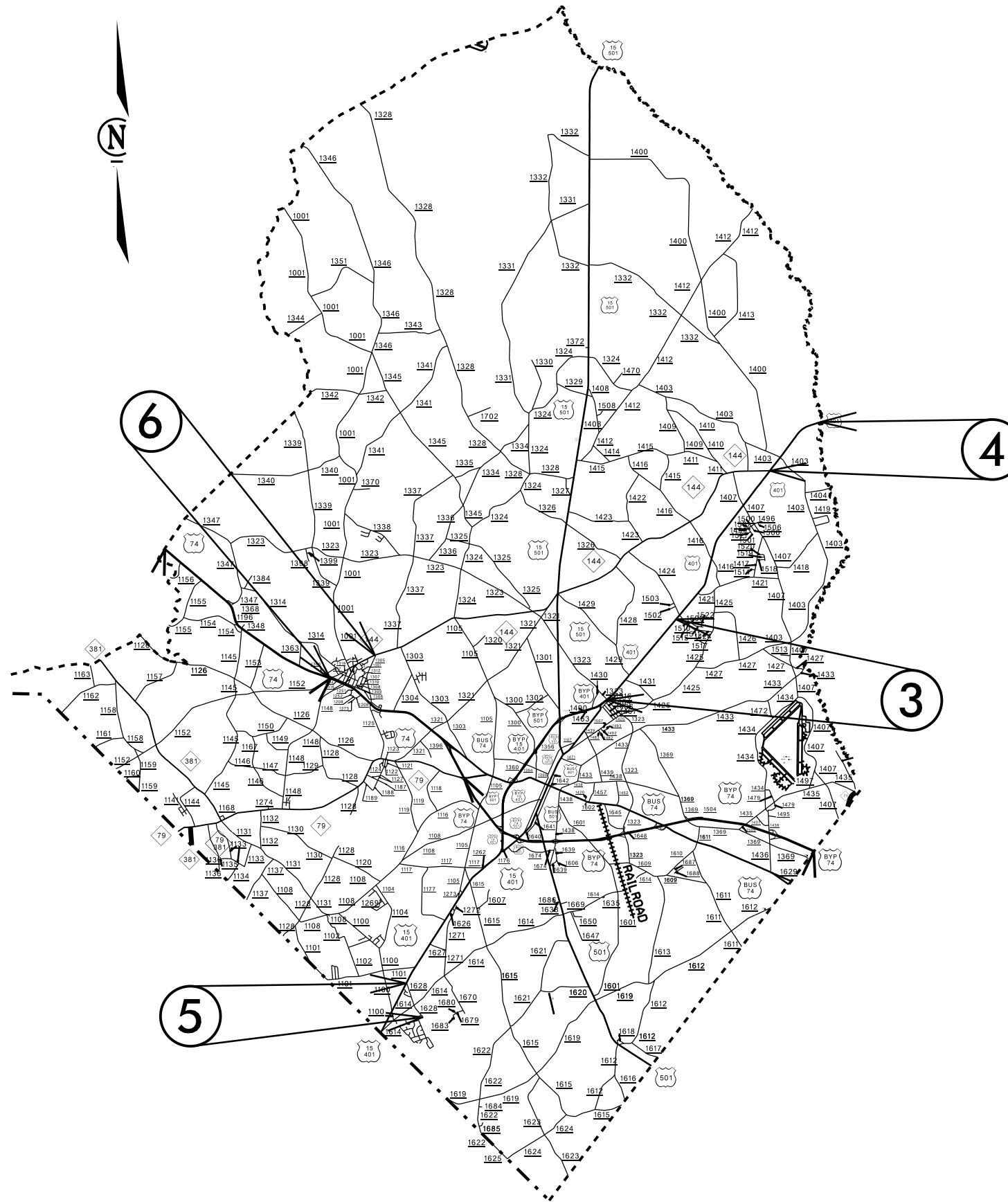


PROJECT REFERENCE NO.	SHEET NO.
2016CPT.08.12.20471	3
2016CPT.08.12.10831	
2016CPT.08.12.20831	



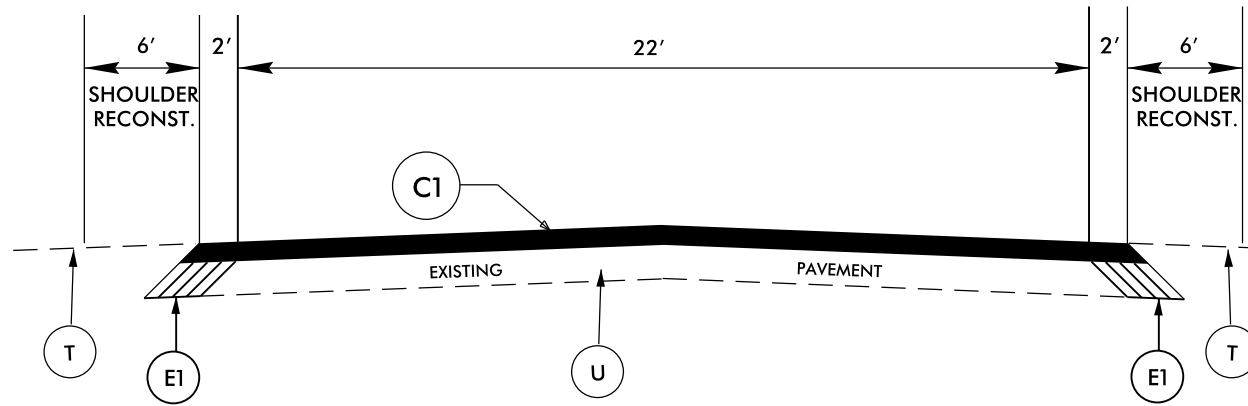
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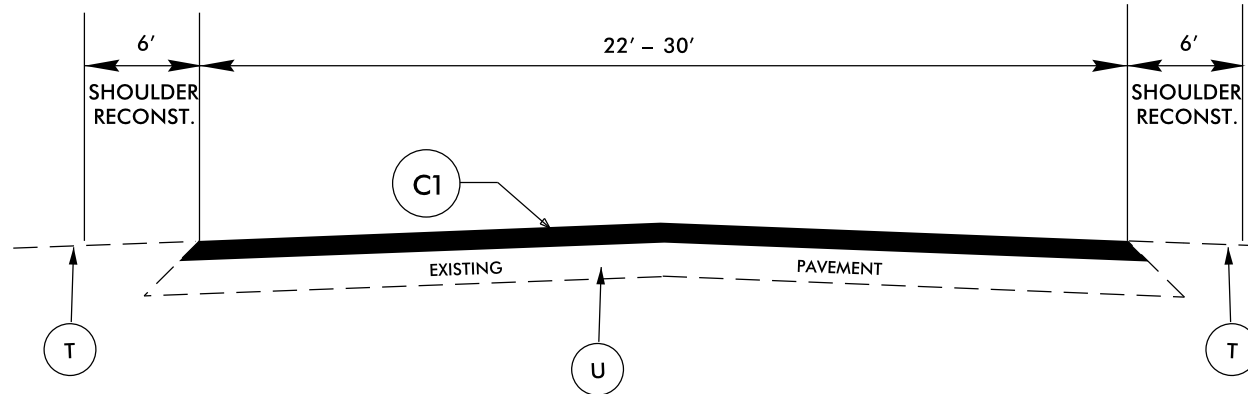


SCOTLAND COUNTY

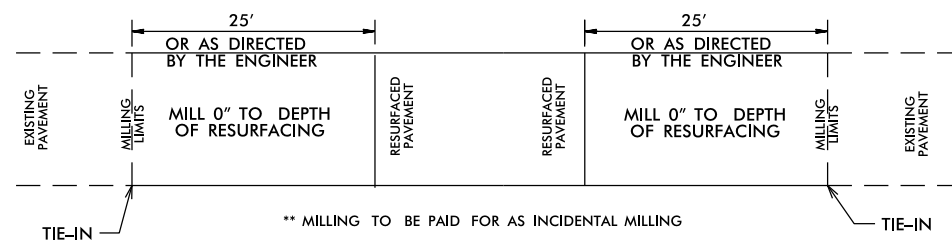
HOKE COUNTY TYPICAL SECTIONS



TYPICAL SECTION NO.1



TYPICAL SECTION NO.2



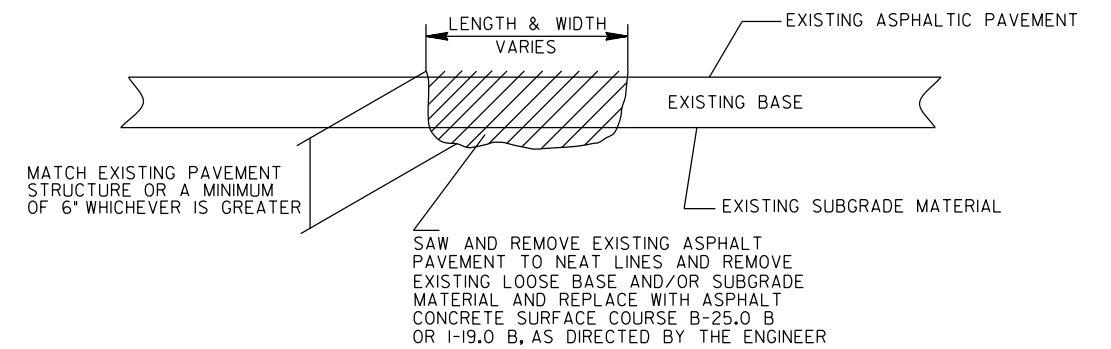
PAVEMENT TIE-IN DETAIL

PAVEMENT SCHEDULE

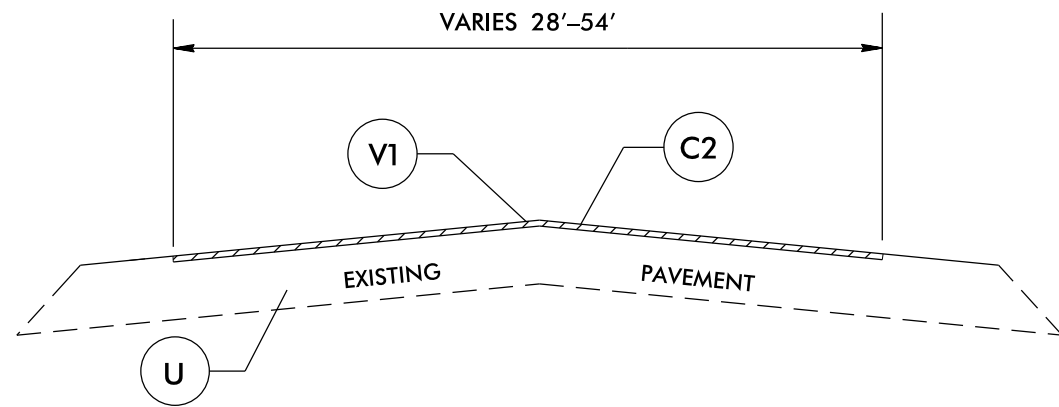
C1	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
E1	PROP. APPROX. 5.5" ASPHALT CONC. BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
T	EARTH MATERIAL
U	EXISTING PAVEMENT

DETAILS OF PATCHING EXISTING PAVEMENT PRIOR TO RESURFACING

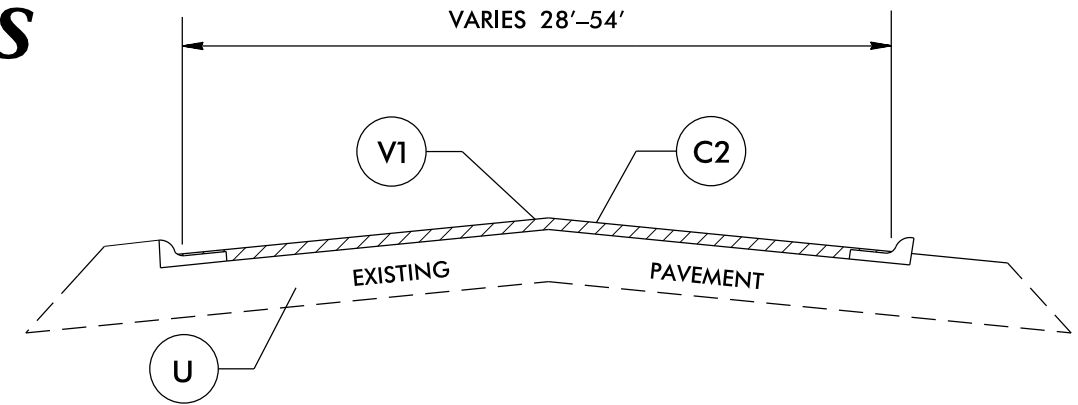
DETAIL



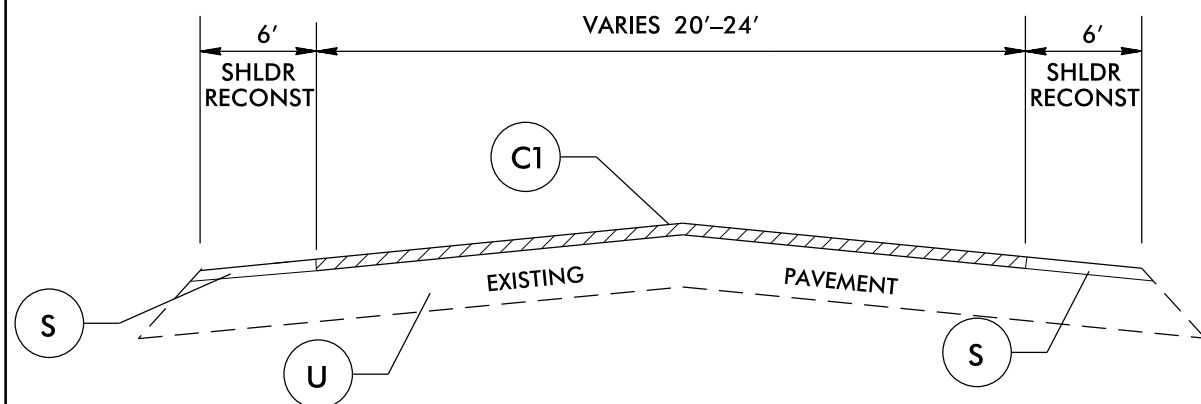
SCOTLAND COUNTY TYPICAL SECTIONS



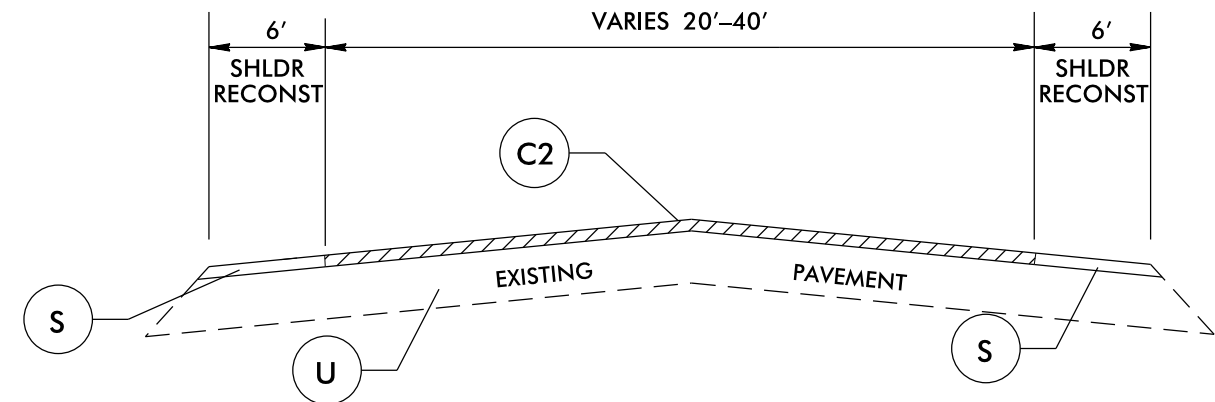
TYPICAL SECTION NO. 3



TYPICAL SECTION NO. 4



TYPICAL SECTION NO. 5

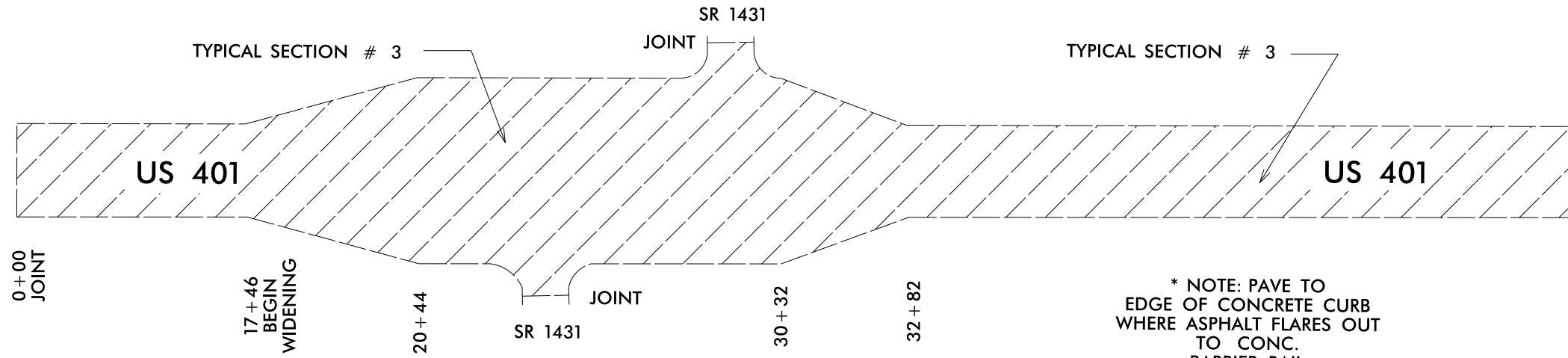


TYPICAL SECTION NO. 6

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" ASPHALT SURFACE COURSE TYPE SF9.5A AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C2	PROP. APPROX. 1½" ASPHALT SURFACE COURSE TYPE S9.5B AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
S	AGGREGATE SHOULDER BORROW
U	EXISTING PAVEMENT
V1	MILL 1½" DEPTH OF ASPHALT SURFACE

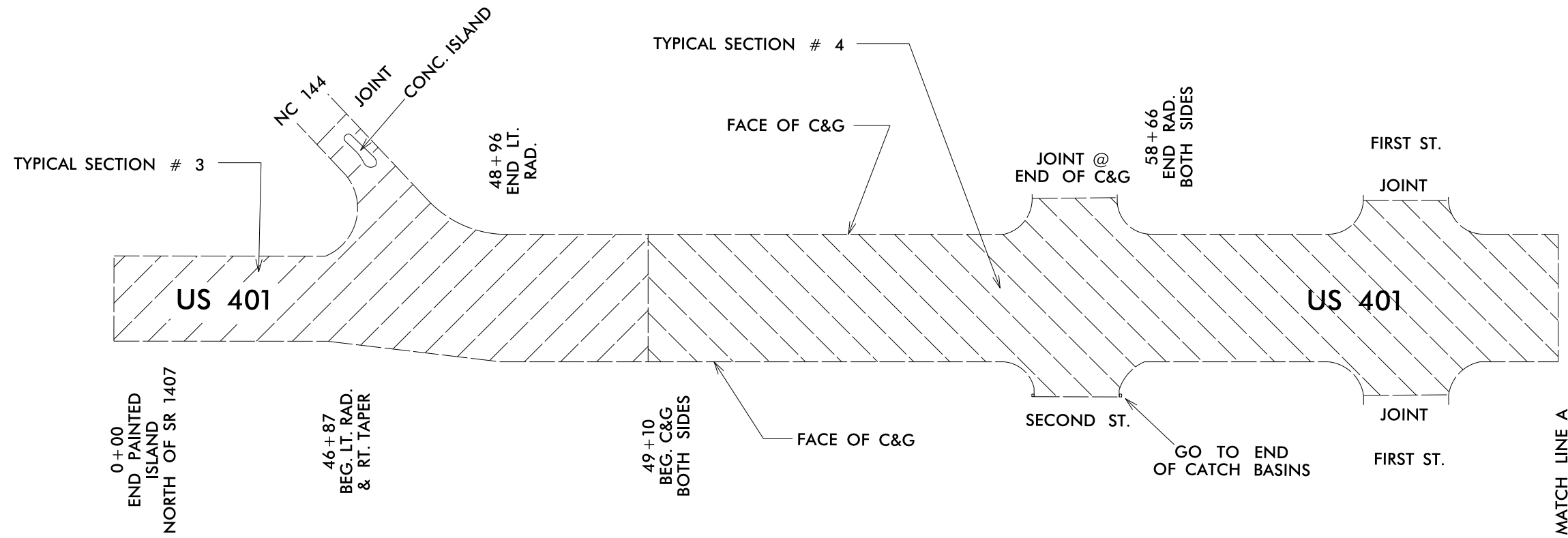
SCOTLAND COUNTY

MAP 3
US 401

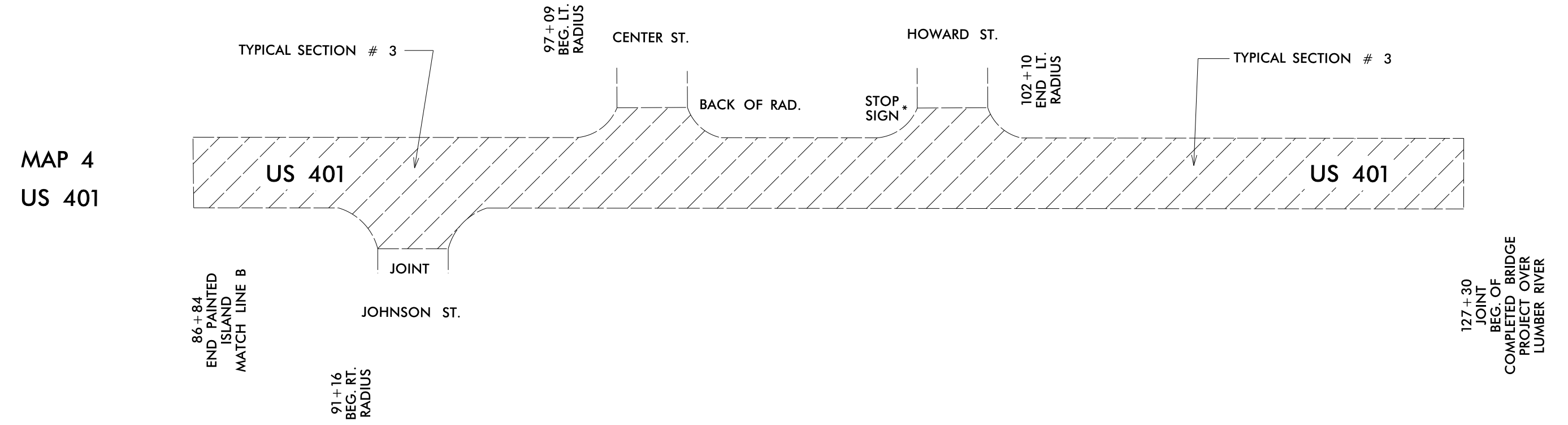
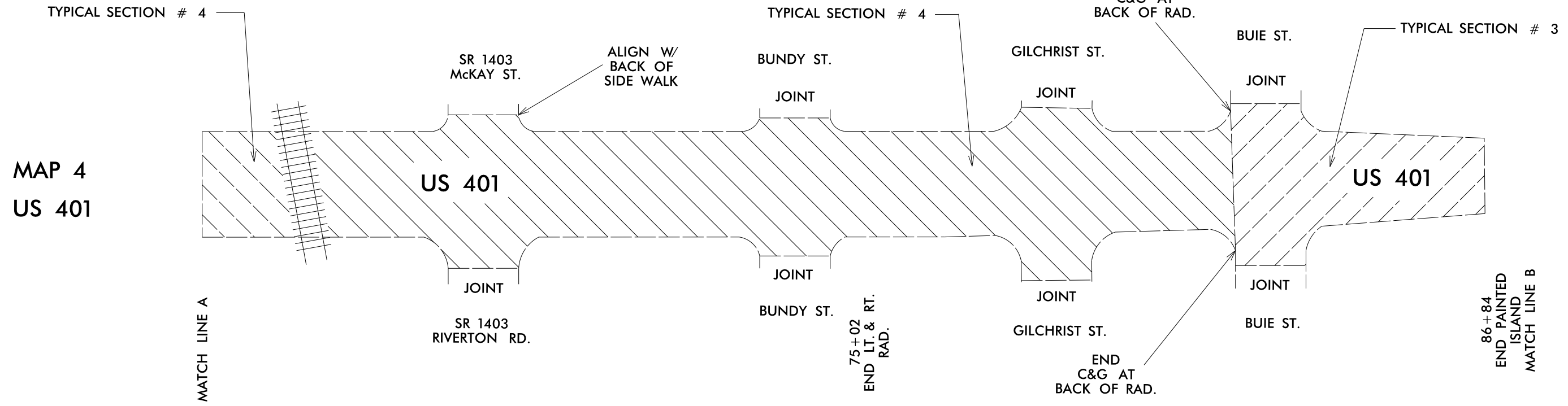


123+34
END MAP
END OF DOUBLE
YELLOW BEFORE
WIDENING TO SR 1424

MAP 4
US 401

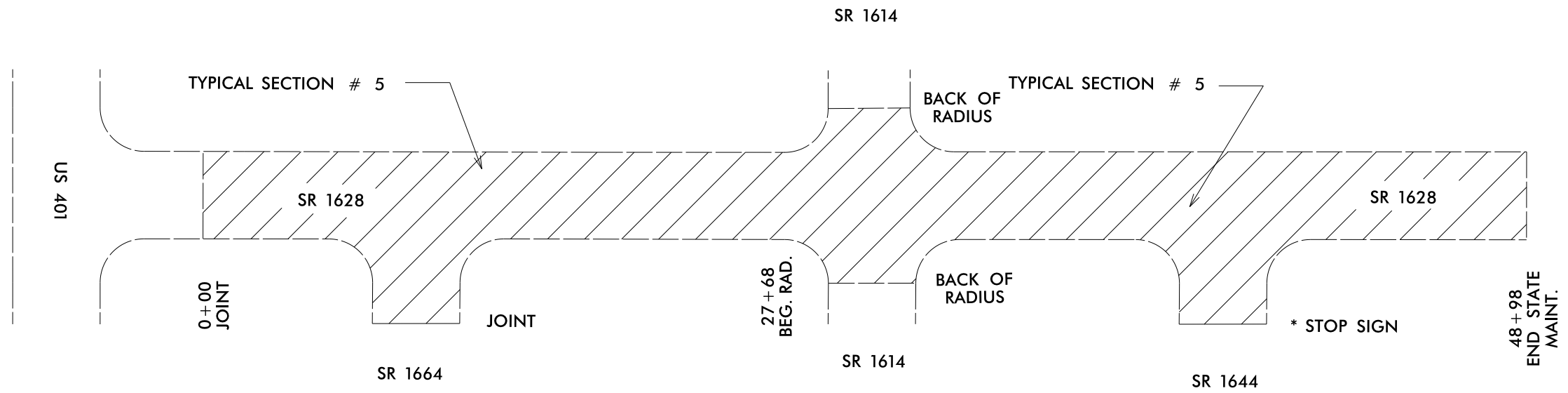


SCOTLAND COUNTY

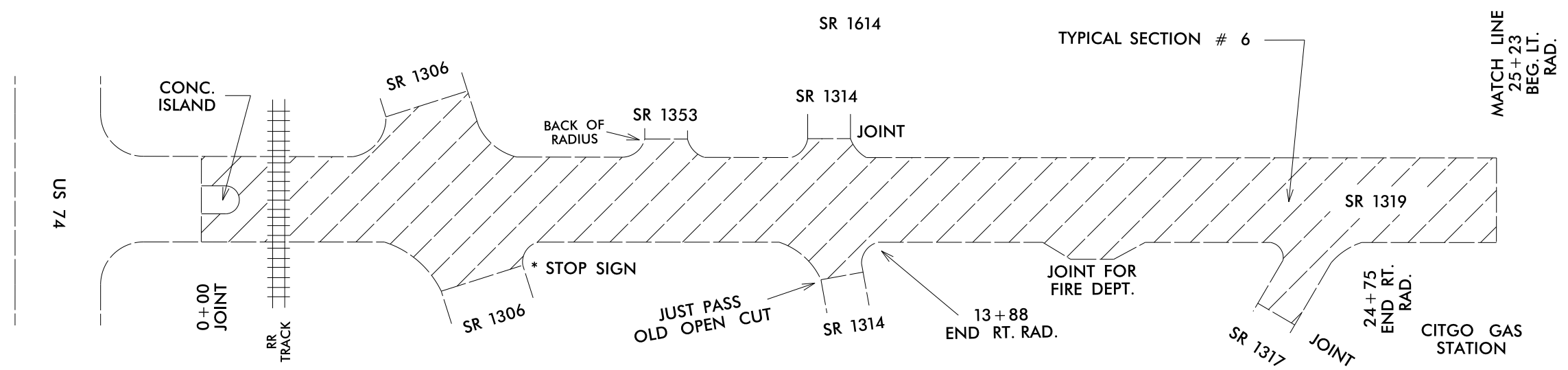


SCOTLAND COUNTY

MAP 5
SR 1628



MAP 6
SR 1319

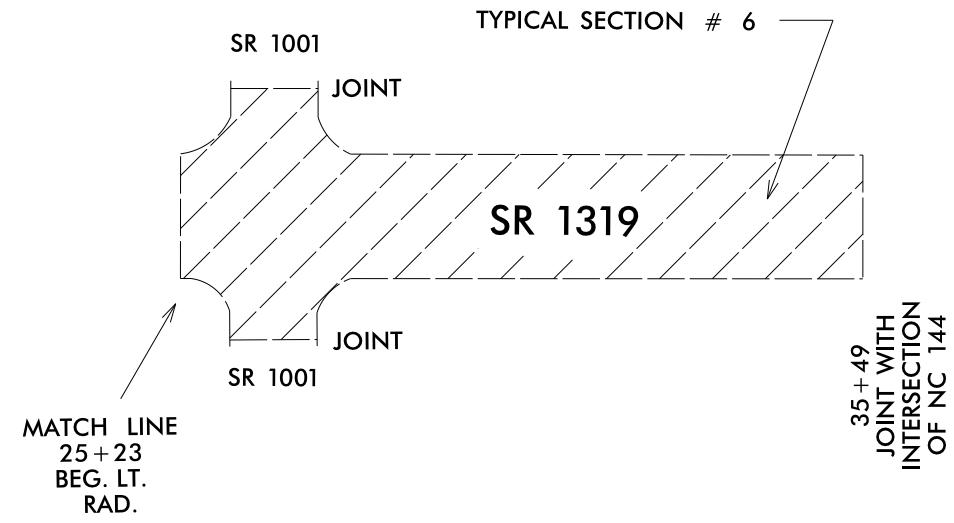


* NOTE: PAVE TO
EDGE OF ASPHALT ISLANDS
IN FRONT OF CITGO
GAS STATION

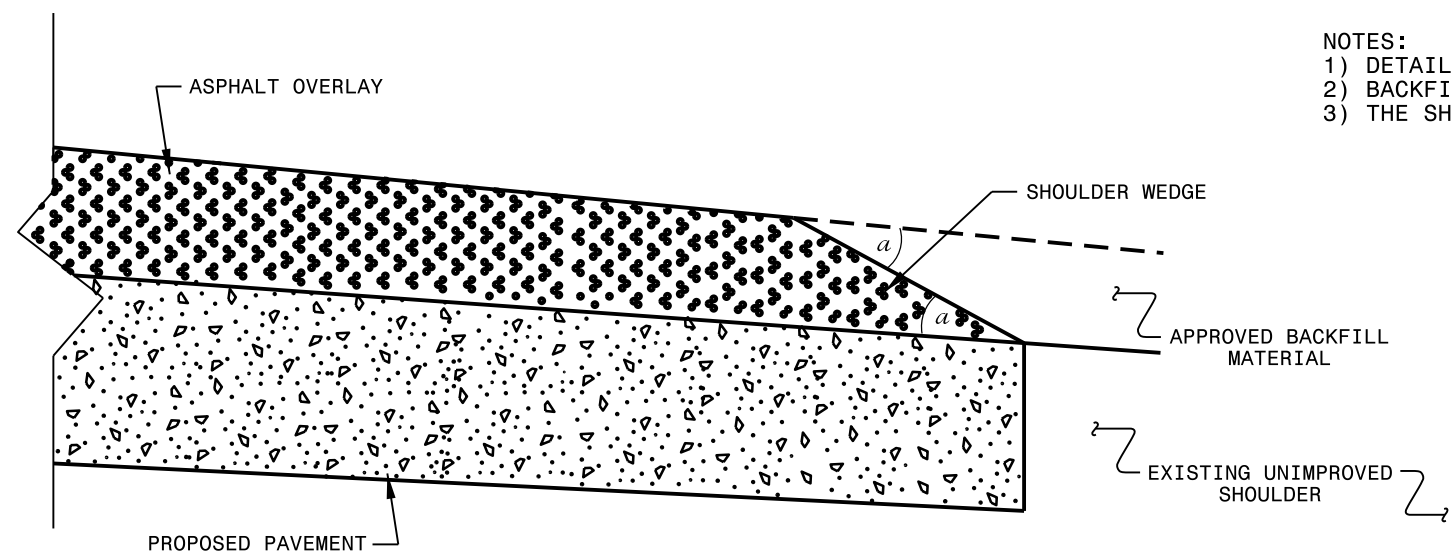
WBS ELEMENT	SHEET NO.
2016CPT.08.12.20471	10
2016CPT.08.12.10831	
2016CPT.08.12.20831	

SCOTLAND COUNTY

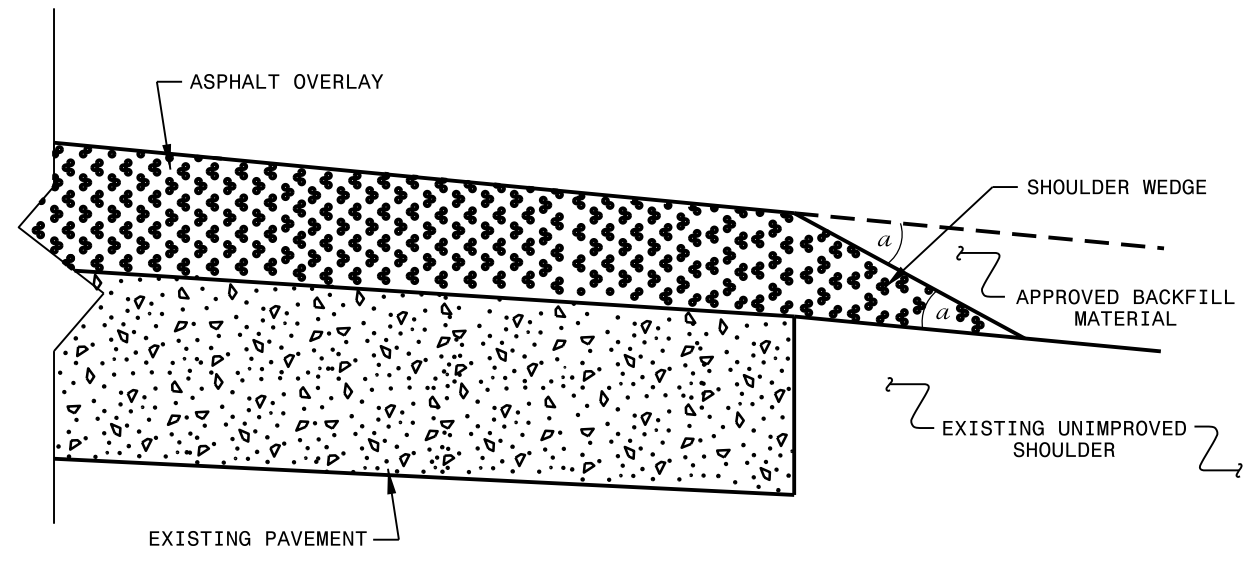
MAP 6
SR 1319



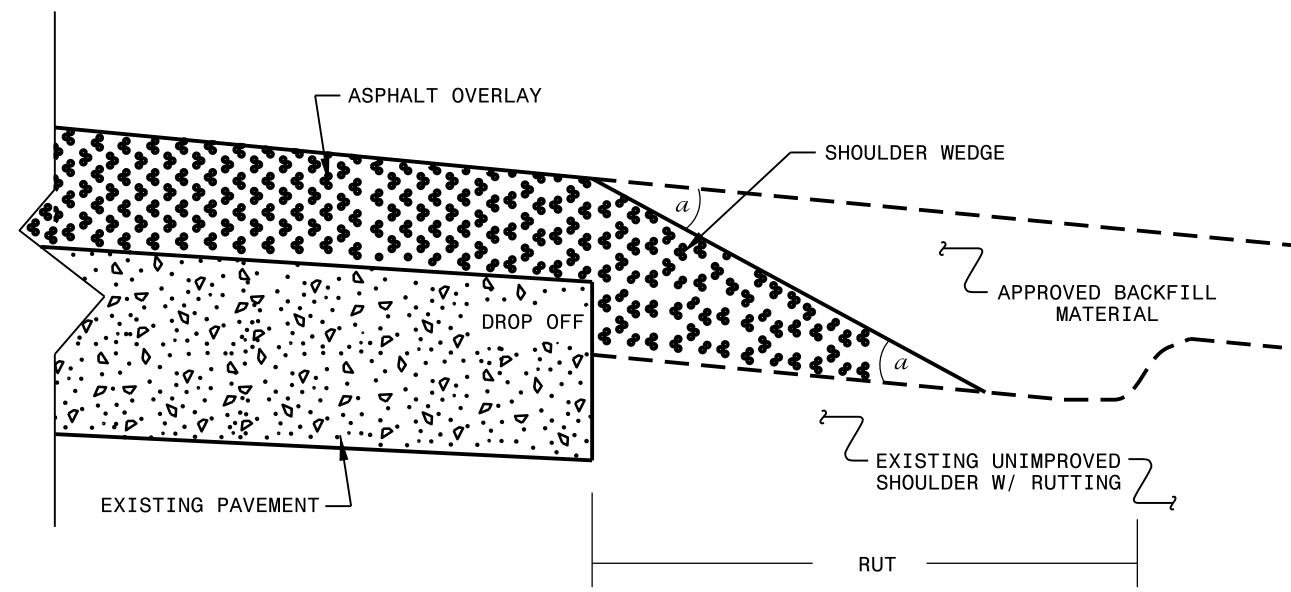
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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\details\stand\shoulderwedgedetail.dgn	

01-FEB-2016 12:21
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 P:\porter\AT\CSU261688

PROJECT NO.	SHEET NO.	TOTAL NO.
2016CPT.08.12.20471, etc	12	

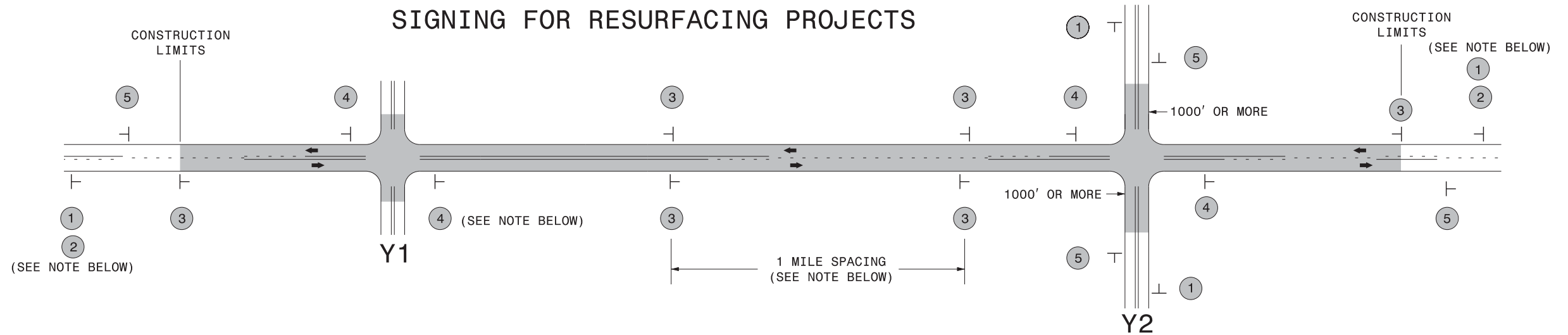
SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	BORROW EXCAVATION CY	AGGREGATE SHOULDER BORROW TON	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SMI	1.5" MILLING SY	INCIDENTAL MILLING SY	BASE COURSE, B25.0B TONS	SURFACE COURSE, S9.5B TONS	SURFACE COURSE, SF9.5A TON	ASPHALT BINDER FOR PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	ADJ. OF MAN-HOLES EA	ADJ. OF METER OR VALVE BOXES EA	TEMP. SILT FENCE LF	WATTLE LF	SEED & MULCHING AC	
2016CPT.08.12.20471	Hoke	1	SR 1422 (PHILLIPI CHURCH RD)	FROM SR 1432 (GOLF COURSE ROAD) TO SR 1412 (POSEY FARM RD)	1	2	2WU	NO	NO	0.508	22	125			1.02		110	440		575	58	40			105	20	0.74	
2016CPT.08.12.20471	Hoke	2	SR 1302 (DOC BROWN RD)	FROM US 401 TO SR 1303 (SCULL RD)	2	2	2WU	NO	NO	3.735	27.5	2,200		525	7.48		365			5,515	370	75			760	140	5.43	
TOTAL FOR PROJ NO. 2016CPT.08.12.20471										4.243		2,325		525	8.50		475	440		6,090	428	115			865	160	6.17	
2016CPT.08.12.10831	Scotland	3	US 401	FROM DIVIDED HWY TO SR 1424 (SALLY MCNAIR RD)	3	2	2WU	NO	NO	2.3	28					40,375			3,735		224							
2016CPT.08.12.10831	Scotland	4	US 401	FROM END OF WIDENING PASS SR 1407 (AIRBASE RD) TO CONSTRUCTION JOINT AT BRIDGE OVER LUMBER RIVER	3,4	2	MU	NO	NO	2.4	28-54					54,500			5,050		303		6	7				
TOTAL FOR PROJ NO. 2016CPT.08.12.10831										4.7						94,875			8,785		527		6	7				
2016CPT.08.12.20831	Scotland	5	SR 1628 (TARTAN RD)	FROM US 401 TO END OF STATE MAINTENANCE	5	2	2WU	NO	NO	0.93	20-24		261		1.86		100			1,260	84			1				
2016CPT.08.12.20831	Scotland	6	SR 1319 (OLD WIRE RD)	FROM CONSTRUCTION JOINT AT US 74 TO CONSTRUCTION JOINT AT NC 144	6	2	2WU	NO	NO	0.67	24-40		216		1.34		270		925		56			1				
TOTAL FOR PROJ NO. 2016CPT.08.12.20831										1.6			477		3.20		370		925	1,260	140			1				
GRAND TOTAL										10.543		2,325	477	525	11.70	94,875	845	440	9,710	7,350	1,095	115	6	8	865	160	6.17	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	LENGTH	WIDTH	4413000000	44570000	4685000000	4686000000-E			4695000000	46970000	4705000000-E	47100000	4721000000-E		4725000000-E		4810000000-E		49000000	4905000000-N		
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING SF	TEMP. TRAFFIC CONTROL LS	4" X 90 M WHITE THERMO LF	4" X 120 M WHITE THERMO LF	4" X 120 M YELLOW THERMO LF	8" X 90 M YELLOW THERMO LF	8" X 120 M WHITE THERMO LF	16" X 120 M WHITE THERMO LF	24" X 120 M WHITE THERMO LF	THERMO MSG SCHOOL 120 M EA	THERMO RXR 120 M EA	THERMO LT ARROW 90 M EA	THERMO RT ARROW 90 M EA	4" YELLOW PAINT LF	4" WHITE PAINT LF	YELLOW & YELLOW MARKERS EA	SNOW PLOWABLE MARKERS EA	SNOW PLOWABLE MARKERS EA		
2016CPT.08.12.20471	Hoke	1	SR 1422 (PHILLIPI CHURCH RD)	FROM SR 1432 (GOLF COURSE ROAD) TO SR 1412 (POSEY FARM RD)	1	2	2WU	0.508	22	57	*	5,365		4,295															
2016CPT.08.12.20471	Hoke	2	SR 1302 (DOC BROWN RD)	FROM US 401 TO SR 1303 (SCULL RD)	2	2	2WU	3.735	27.5	419		39,450		33,550				40											
TOTAL FOR PROJ NO. 2016CPT.08.12.20471								4.243		476		44,815		37,845				40											
2016CPT.08.12.10831	Scotland	3	US 401	FROM DIVIDED HWY TO SR 1424 (SALLY MCNAIR RD)	3	2	2WU	2.3	28	258	*	25,000	450	13,900	100							6			14,000		22	195	
2016CPT.08.12.10831	Scotland	4	US 401	FROM END OF WIDENING PASS SR 1407 (AIRBASE RD) TO CONSTRUCTION JOINT AT BRIDGE OVER LUMBER RIVER	3,4	2	MU	2.4	28-54	269	*	21,700	800	17,400	200	220	250	275	12	10	12	7		17,600		80	250		
TOTAL FOR PROJ NO. 2016CPT.08.12.10831								4.7		527		46,700	1,250	31,300	300	220	250	275	12	10	18	7		31,600		102	445		
GRAND TOTAL								10.543		1,184	1	108,440	2,625	84,245	300	280	300	350	12	12	18	7		31,600		121	102	445	

SIGNING FOR RESURFACING PROJECTS

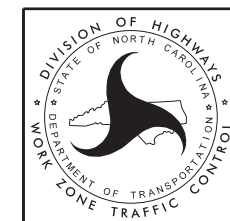


LEGEND	
┆	STATIONARY SIGN
←	DIRECTION OF TRAFFIC FLOW

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"> 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;"> W20-1 48" X 48" </div> <div style="text-align: center;"> 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.		

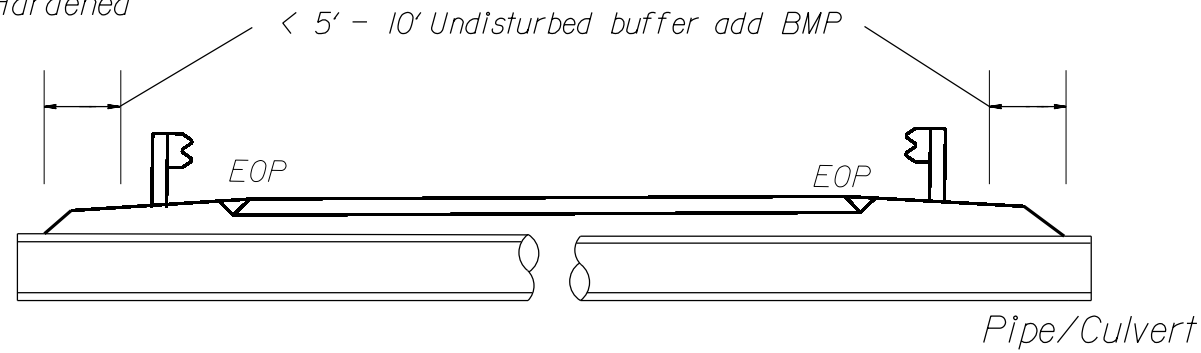


RESURFACING
 ADVANCE WARNING SIGNS
 FOR
 RURAL AND SUBURBAN
 2 LANE ROADWAYS

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

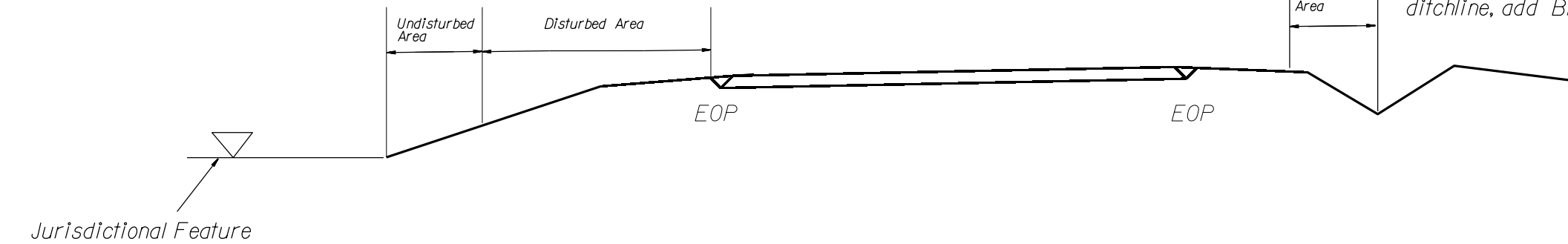
EROSION CONTROL DETAIL

BMP Options: Wattle, Silt Fence or Hardened Aggregate.

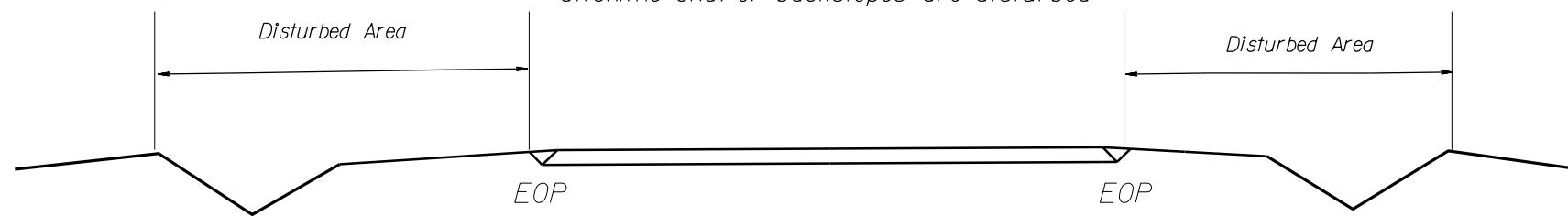


< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP

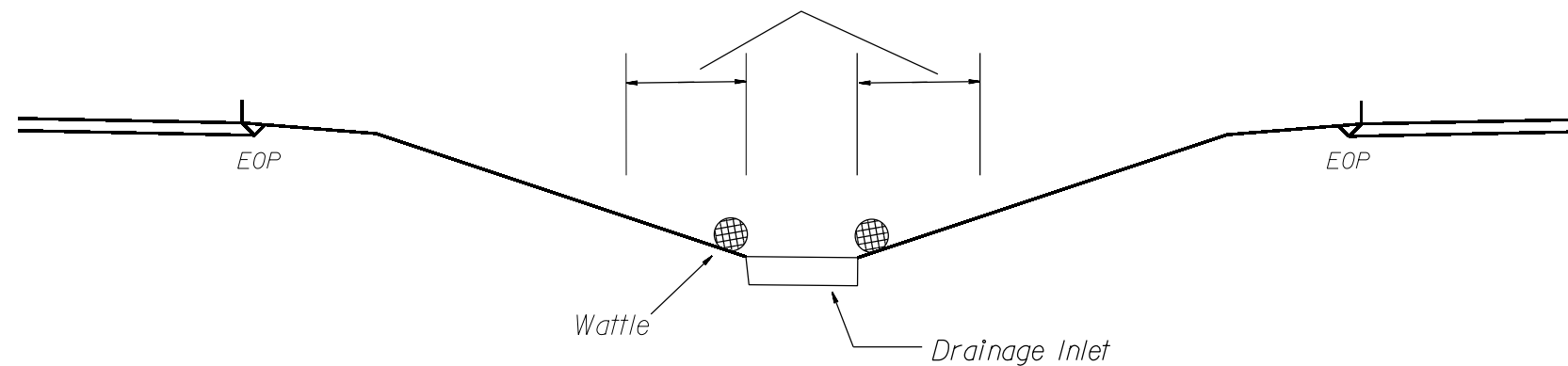
< 5' - 10' Undisturbed buffer from ditchline, add BMP



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

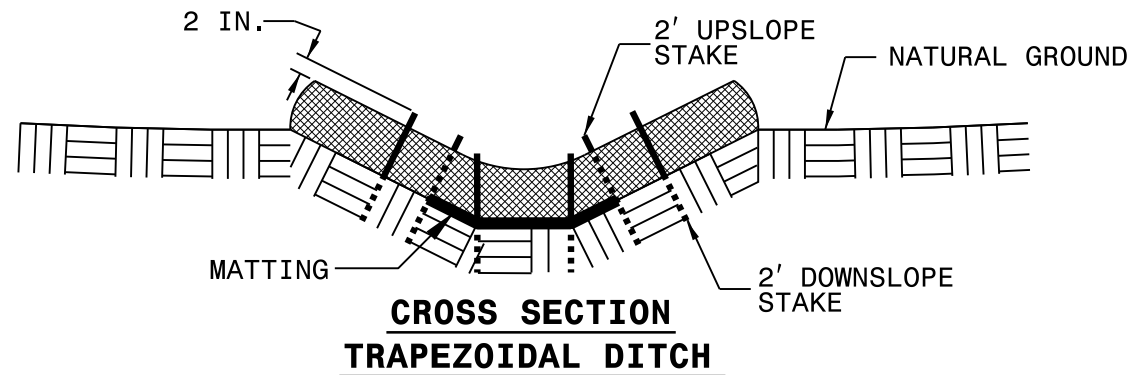
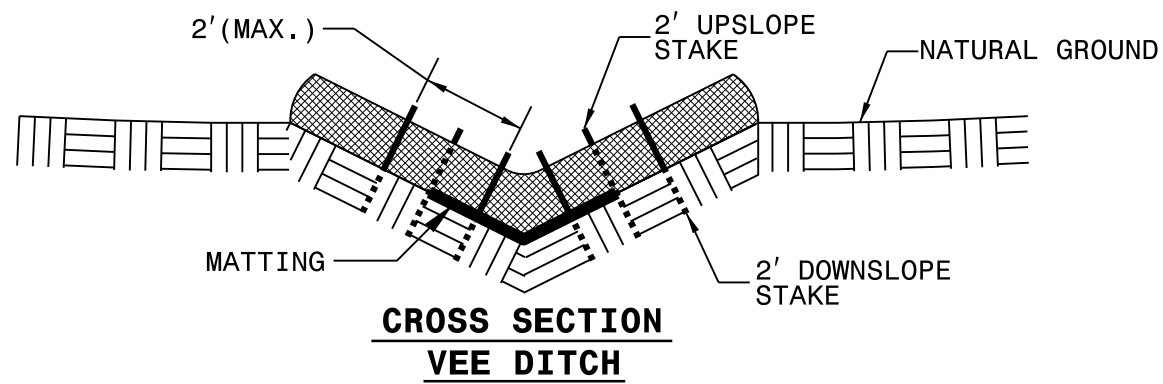
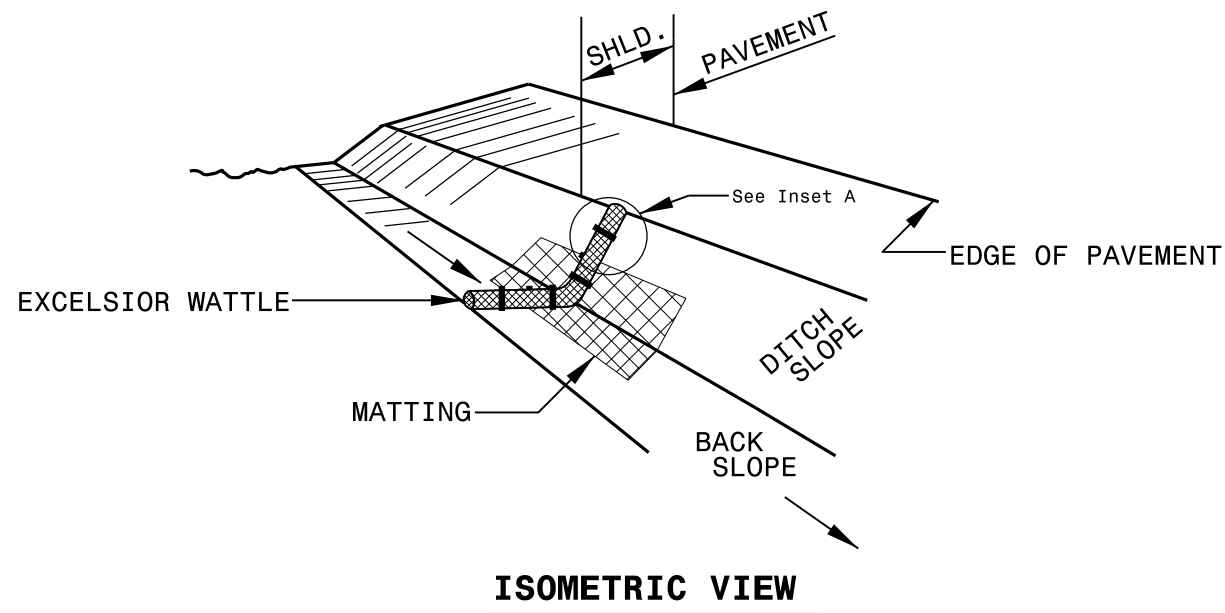


< 5' - 10' Undisturbed buffer from inlet, add wattle



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.

