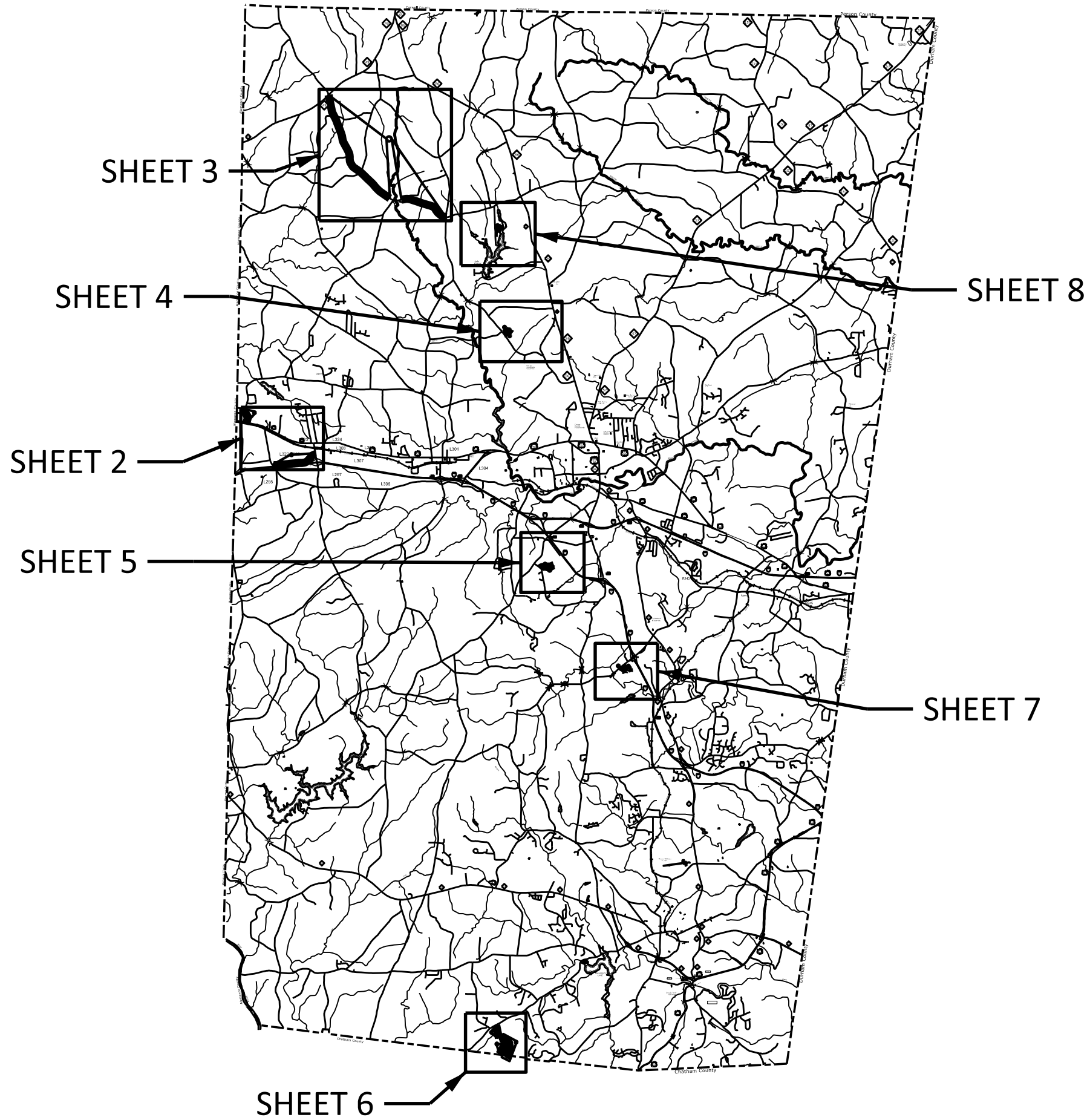
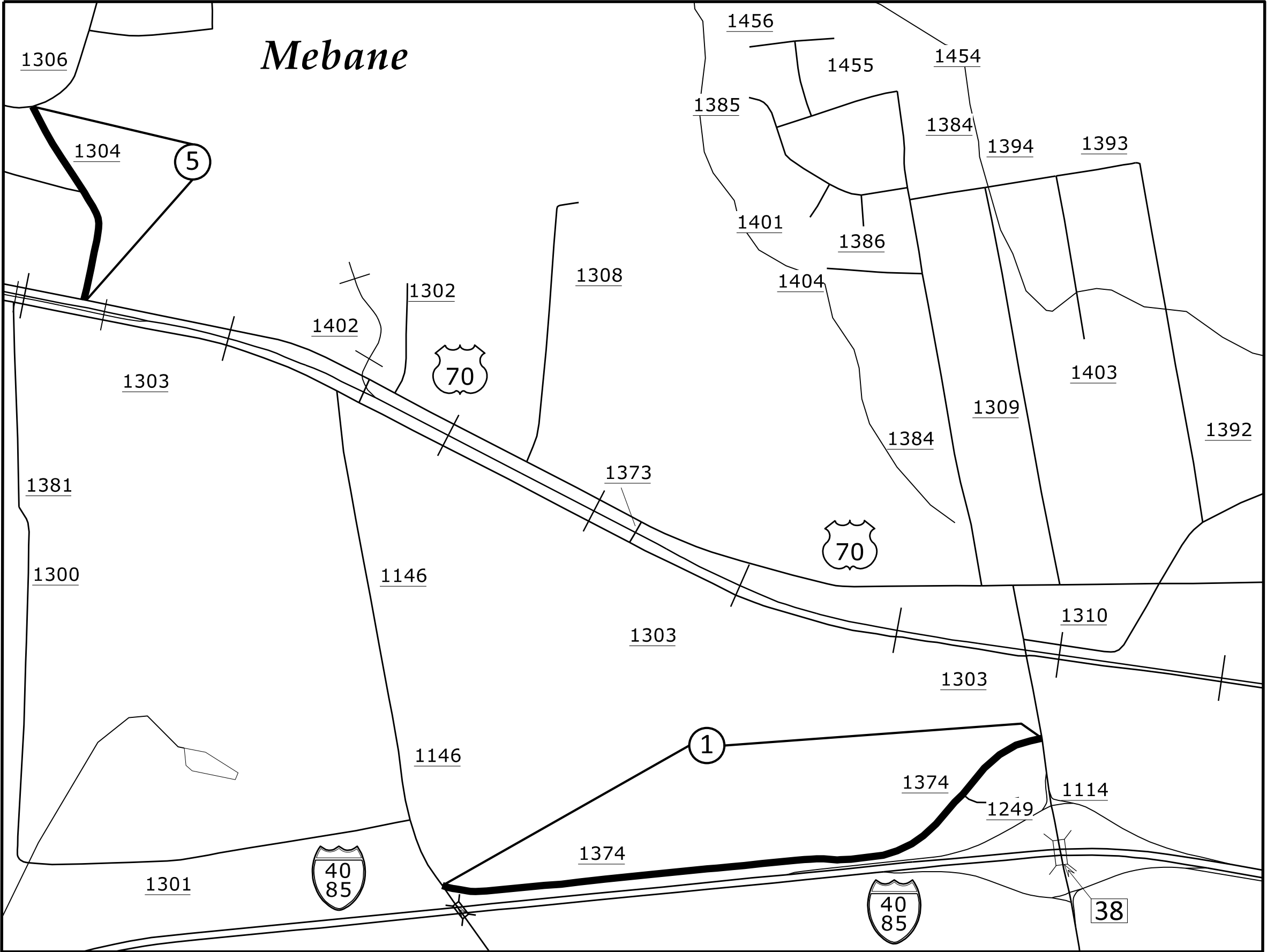


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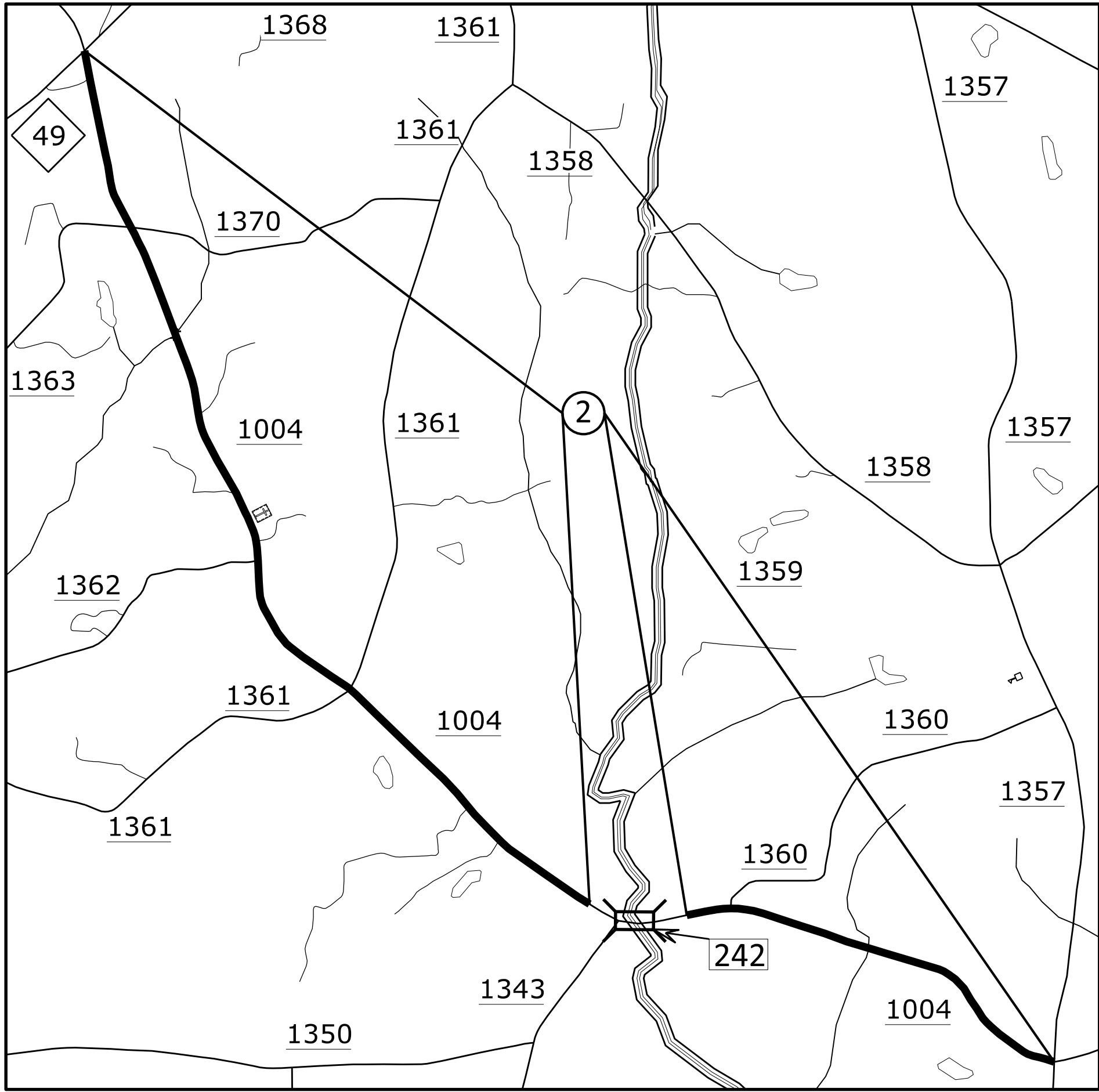
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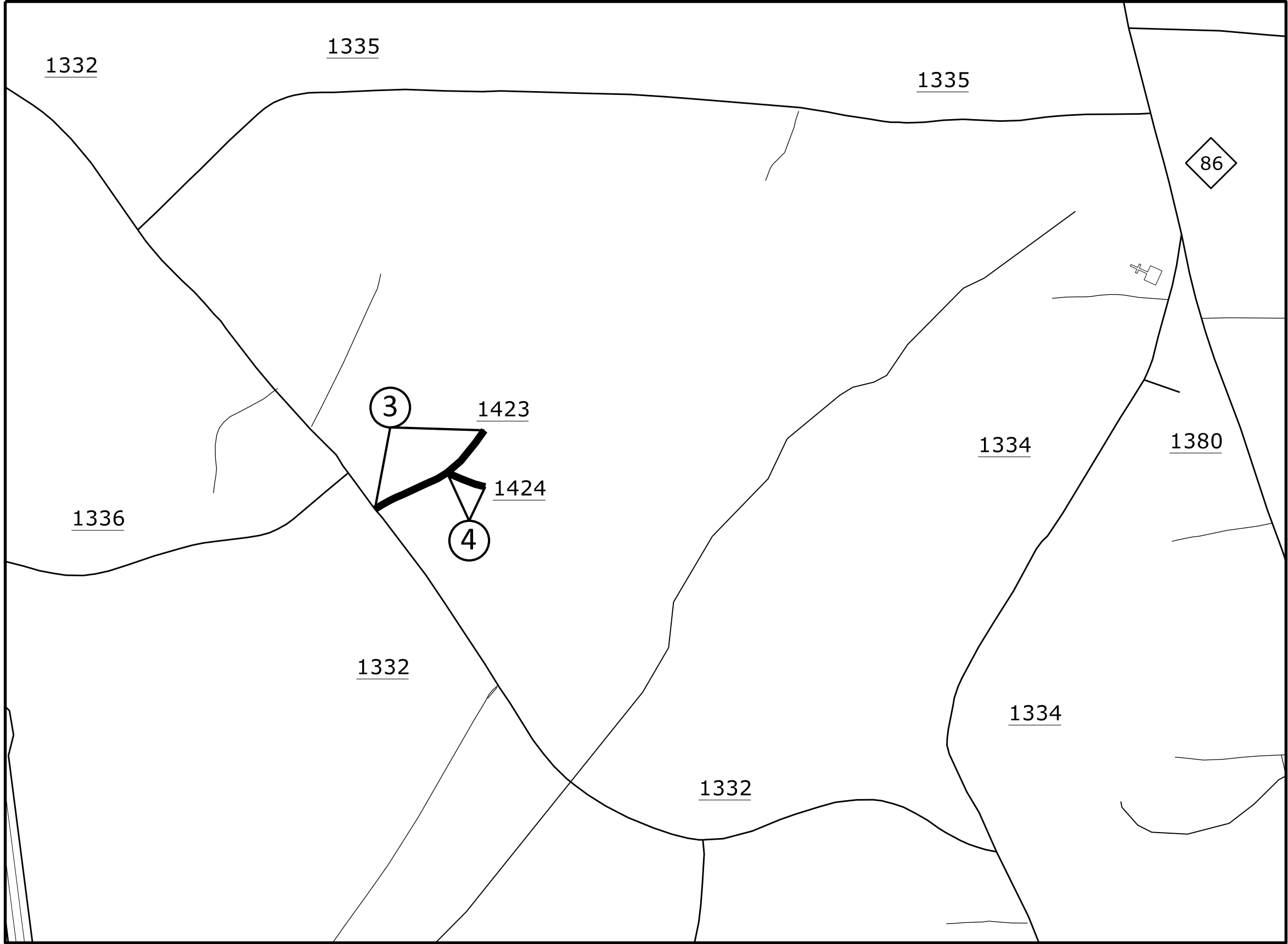


Map 1 SR 1374 - Industrial Dr
Map 5 SR 1304 - Supper Club Rd

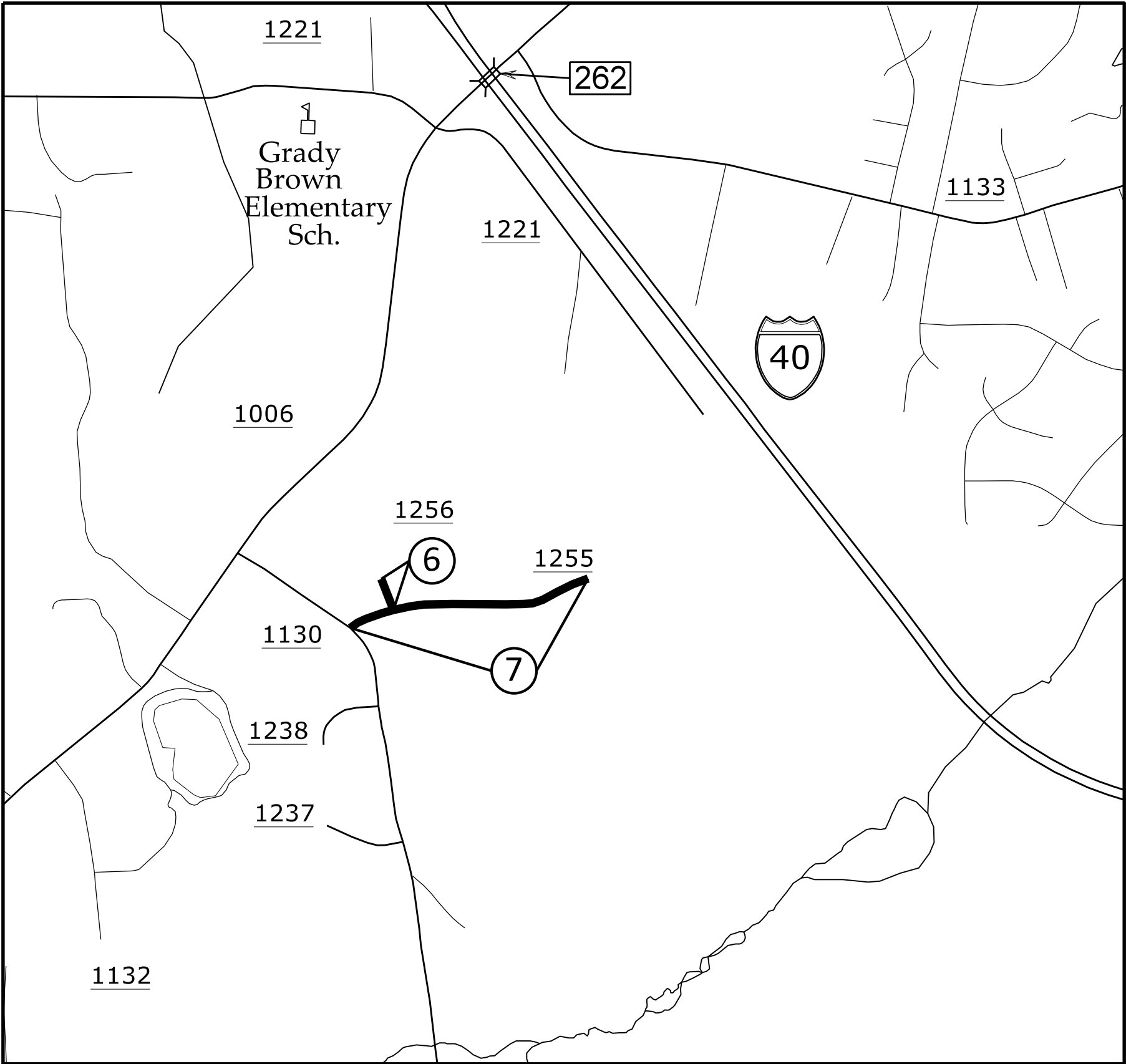


Map 2

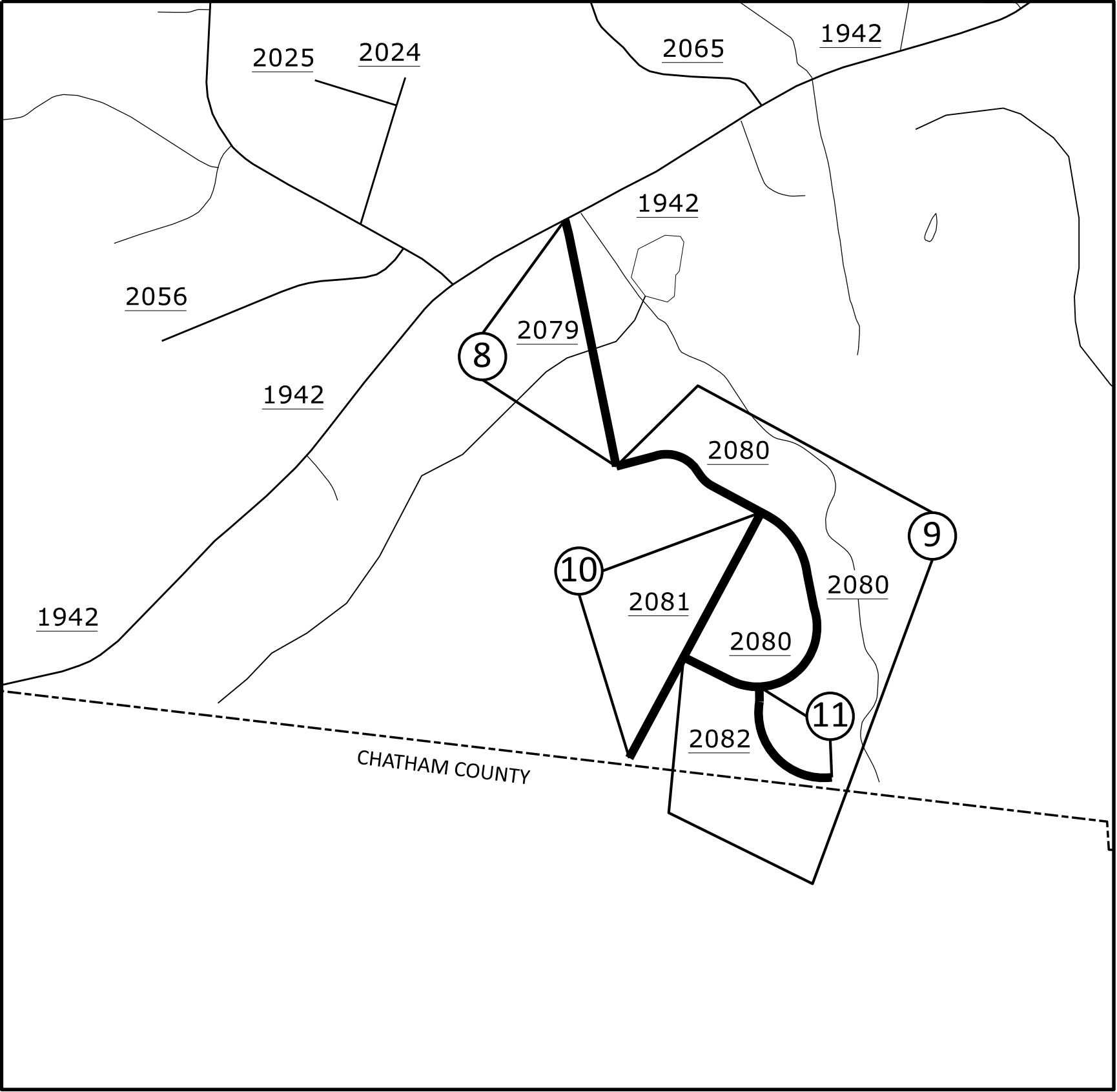
SR 1004 - Carr Store Rd
*Skip New Asphalt Section at Bridge #242



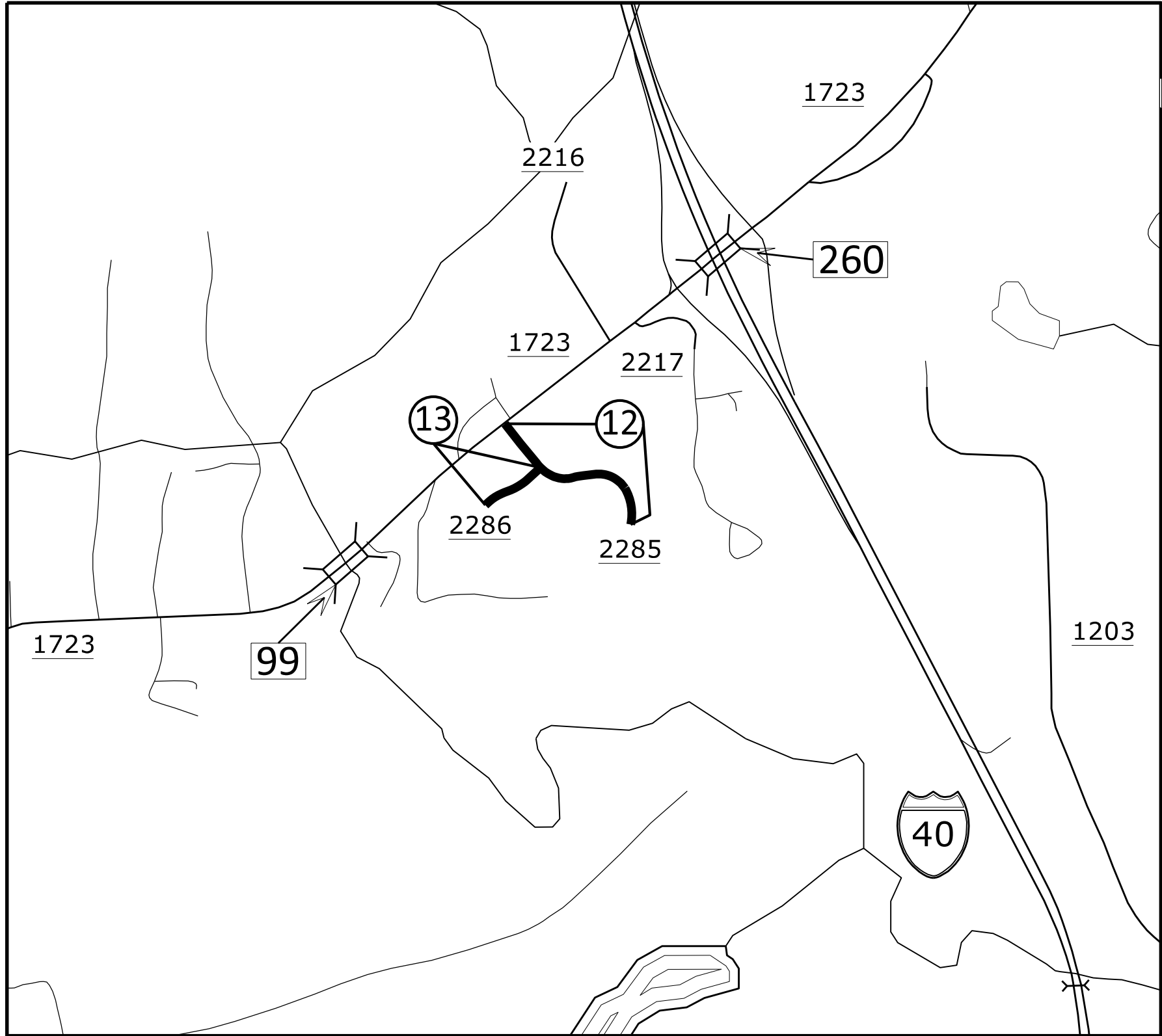
Map 3 SR 1423 - Downs Dr
Map 4 SR 1424 - Rosena Ct



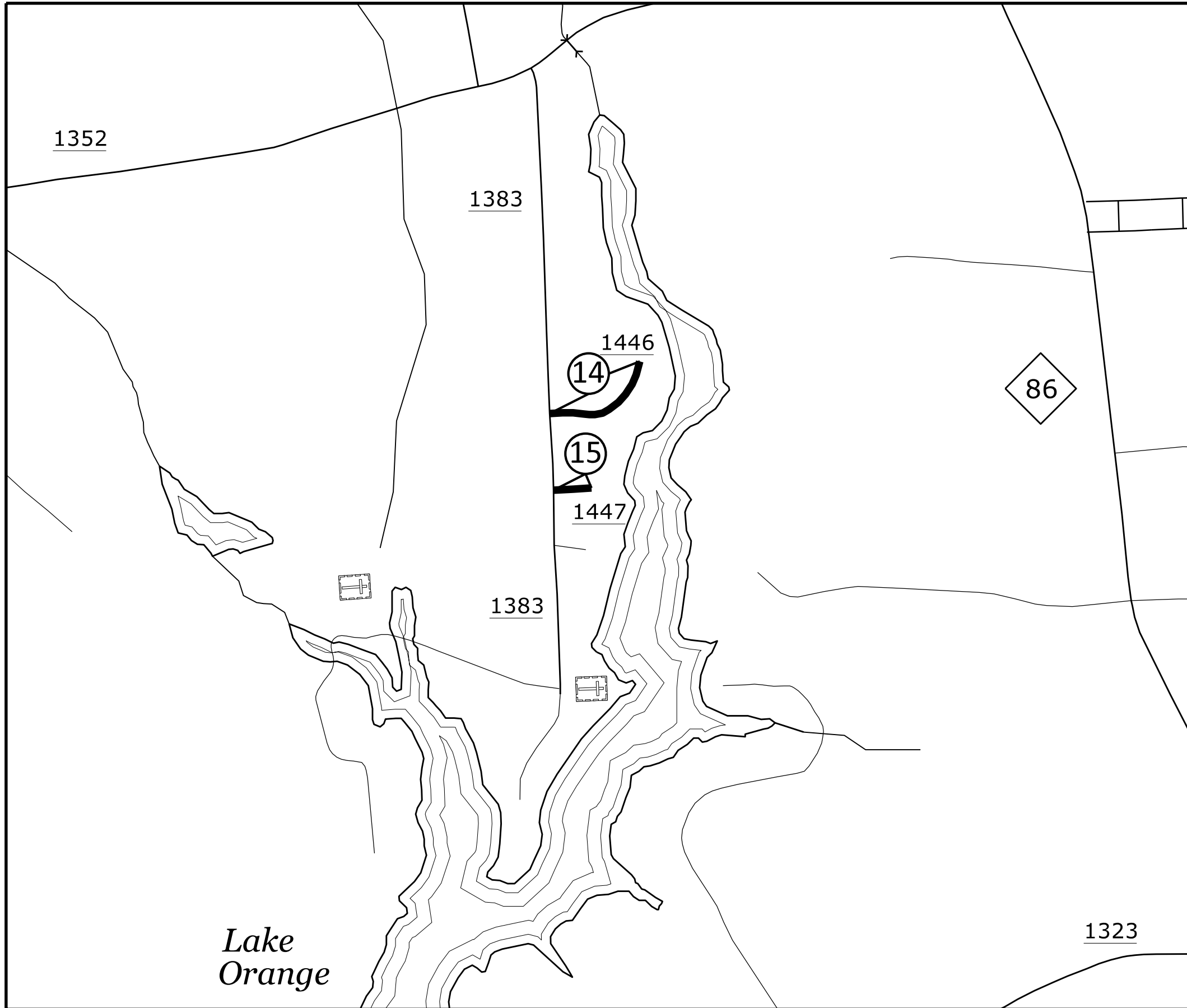
Map 6 SR 1256 - St James Ct
Map 7 SR 1255 - Jacobs Trail



- Map 8 SR 2079 - Nine Gates Rd
- Map 9 SR 2080 - Woodgate Dr
- Map 10 SR 2081 - Stonegate Dr
- Map 11 SR 2082 - Summergate Cir

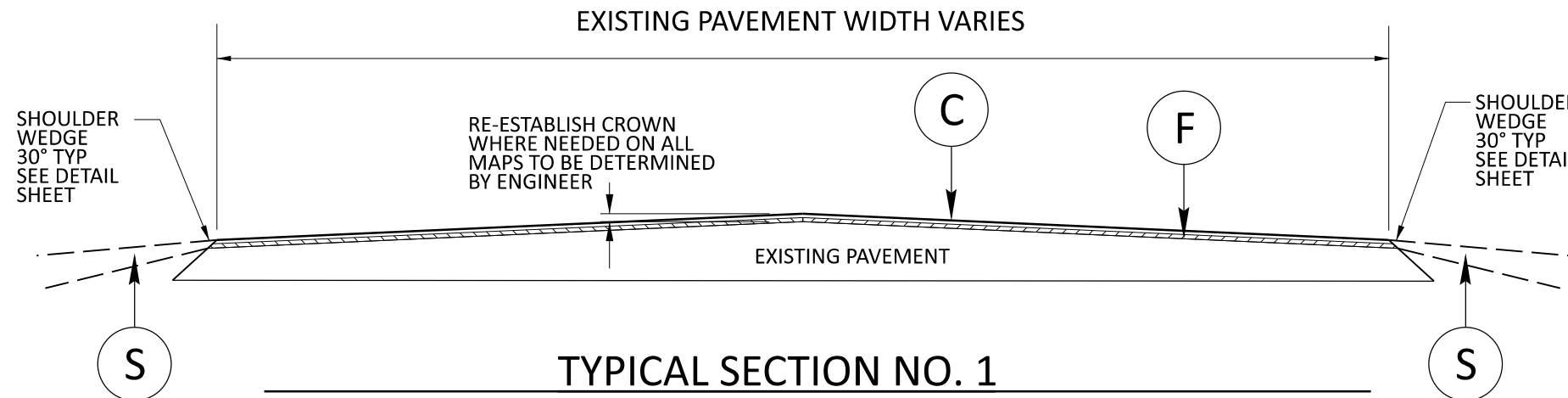


Map 12 SR 2285 - Spring House Ln
Map 13 SR 2286 - Woodlot Ridge

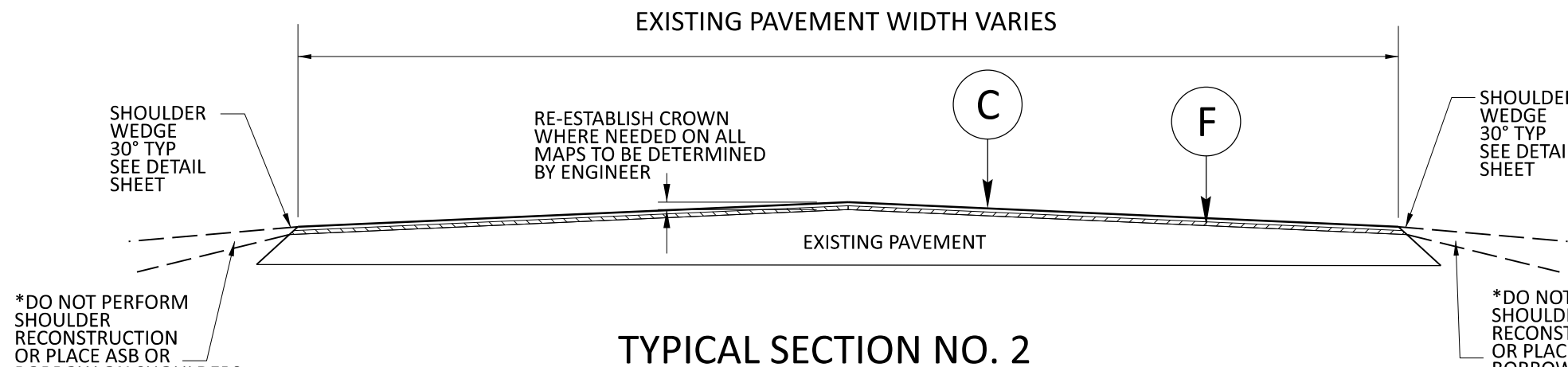
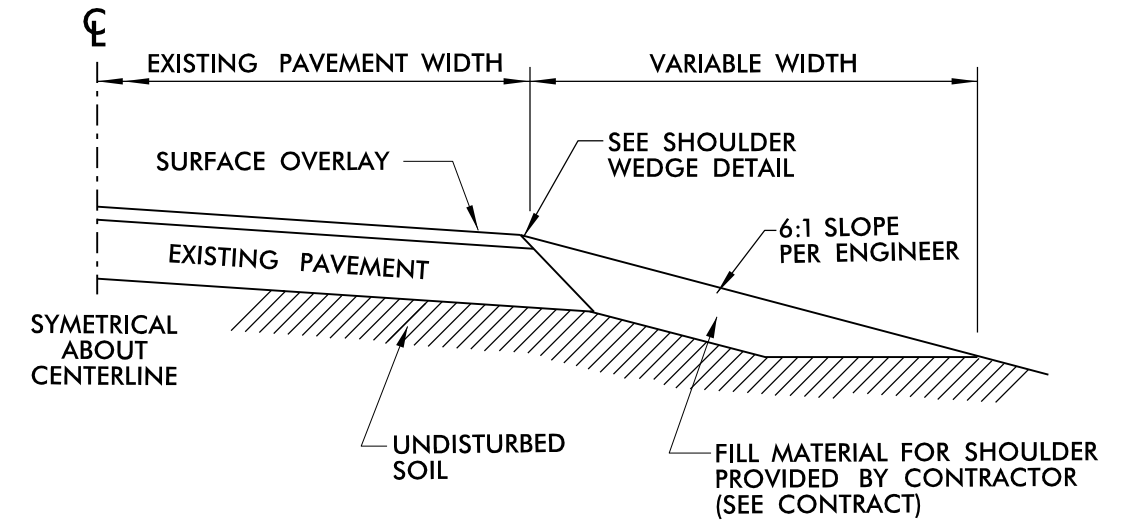


Map 14 SR 1446 - Hamecon Pl
Map 15 SR 1447 - Porteur Point

*Lake
Orange*

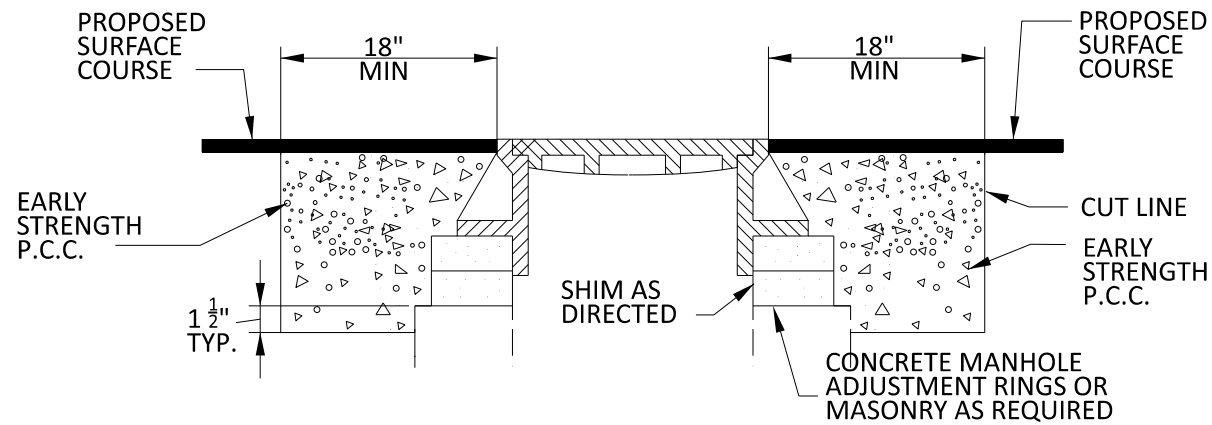


- Map 1 SR 1374 - Industrial Dr
- Map 2 SR 1004 - Carr Store Rd
- *Skip New Asphalt Section at Bridge #242
- Map 5 SR 1304 - Supper Club Rd



- | | | | |
|-------|-------------------------|--------|-----------------------------|
| Map 3 | SR 1423 - Downs Dr | Map 10 | SR 2081 - Stonegate Dr |
| Map 4 | SR 1424 - Rosena Ct | Map 11 | SR 2082 - Summergate Cir |
| Map 6 | SR 1256 - St James Ct | Map 12 | SR 2285 - Spring House Lane |
| Map 7 | SR 1255 - Jacobs Trl | Map 13 | SR 2286 - Woodlot Ridge |
| Map 8 | SR 2079 - Nine Gates Rd | Map 14 | SR 1446 - Hamecon Pl |
| Map 9 | SR 2080 - Woodgate Dr | Map 15 | SR 1447 - Porteur Point |

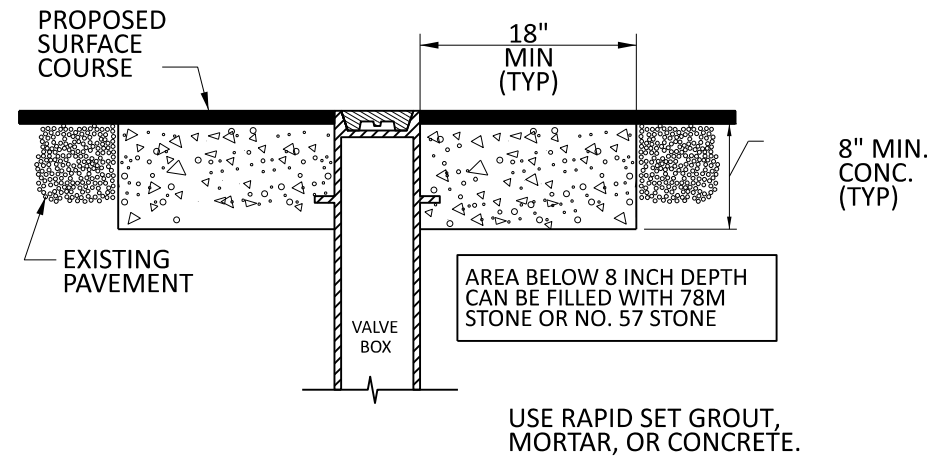
PAVEMENT SCHEDULE	
C	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 165 LBS PER SQ YD.
F	AST MAT COAT, #78M
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT



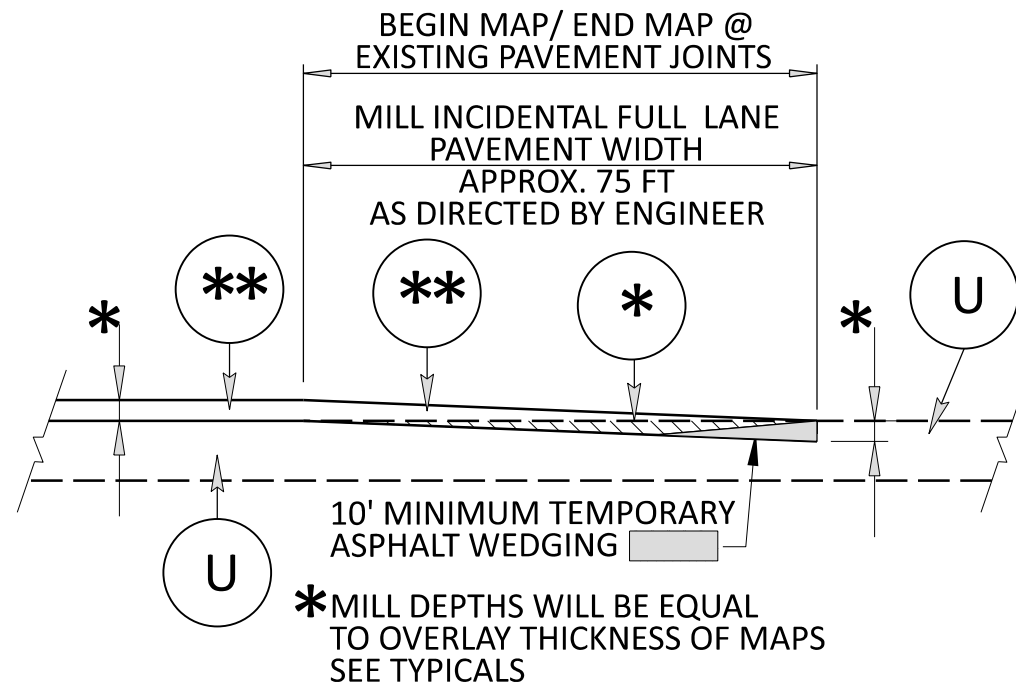
NOTES:

1. MORTAR SHALL BE MIXED TO NCDOT SPECIFICATIONS.
2. ALL FAULTY EXISTING BRICKWORK TO BE REMOVED AND REPLACED WITH NEW BRICK MASONRY.
3. EXCAVATION FOR THE ADJUSTMENT SHALL BE SHEER CUT ON ALL SIDES.
4. RAPID SET GROUT, MORTAR, OR CONCRETE SHALL BE USED
CLASS B CONCRETE MAY BE USED WHEN ADJUSTMENTS ARE NOT IN THE TRAVEL LANE.

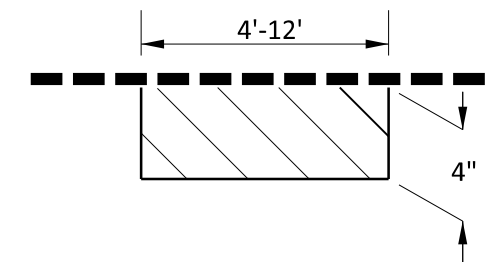
STANDARD CONCRETE ENCASEMENT FOR MANHOLE CASTINGS IN PAVEMENT



STANDARD CONCRETE ENCASEMENT FOR VALVE CASTINGS IN PAVEMENT



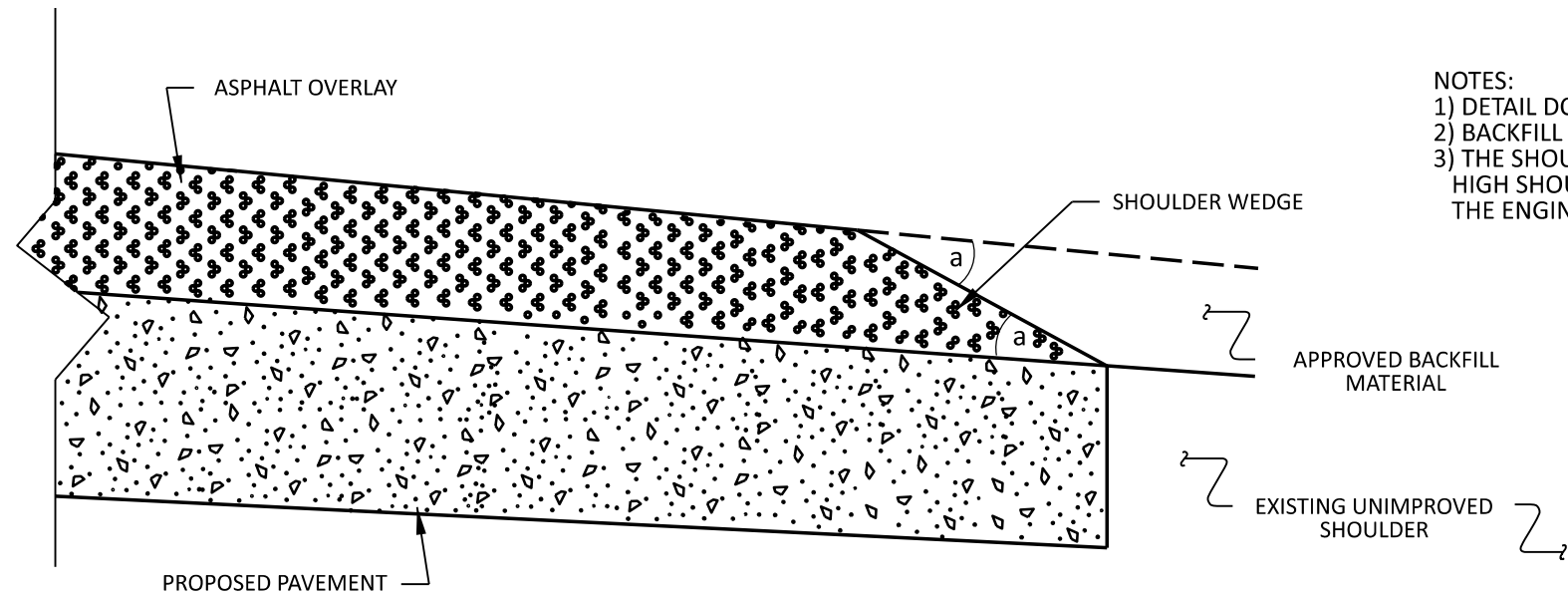
INCIDENTAL MILLING AT TIE-IN DETAIL



MILL FILL WITH ACBC, ACIC OR ACSC AS DIRECTED BY THE ENGINEER

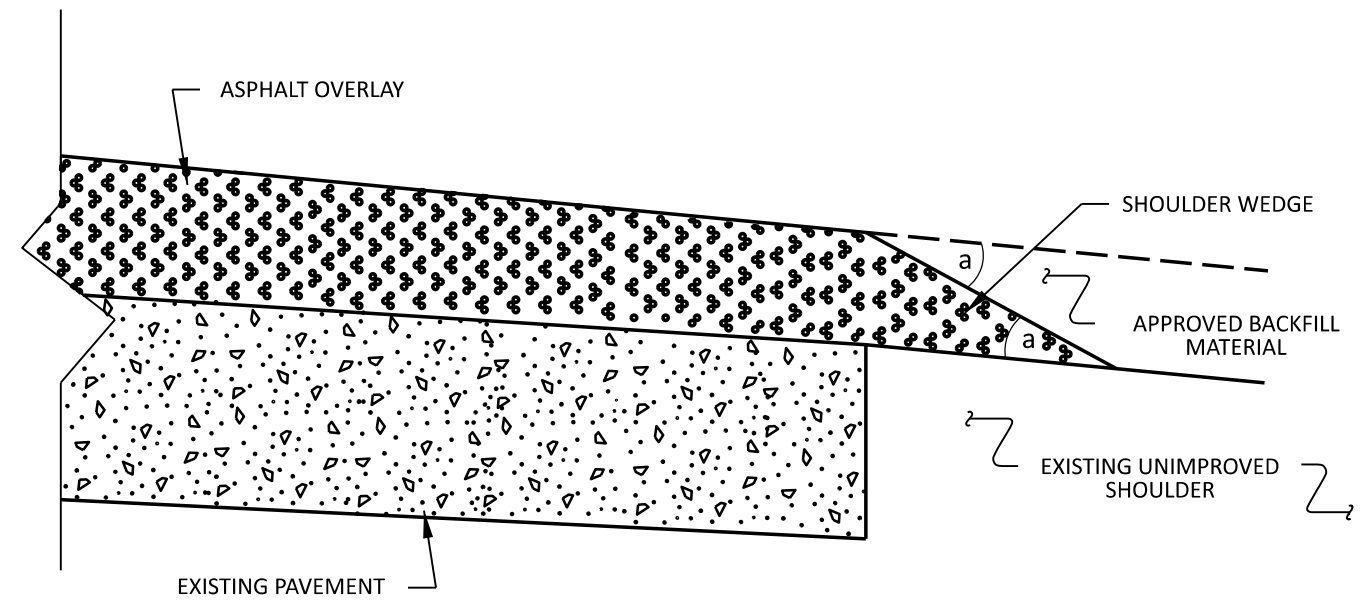
PATCHING EXISTING PAVEMENT DETAIL

PAVEMENT SCHEDULE	
C	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 165 LBS PER SQ YD.
F	AST MAT COAT, #78M
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT

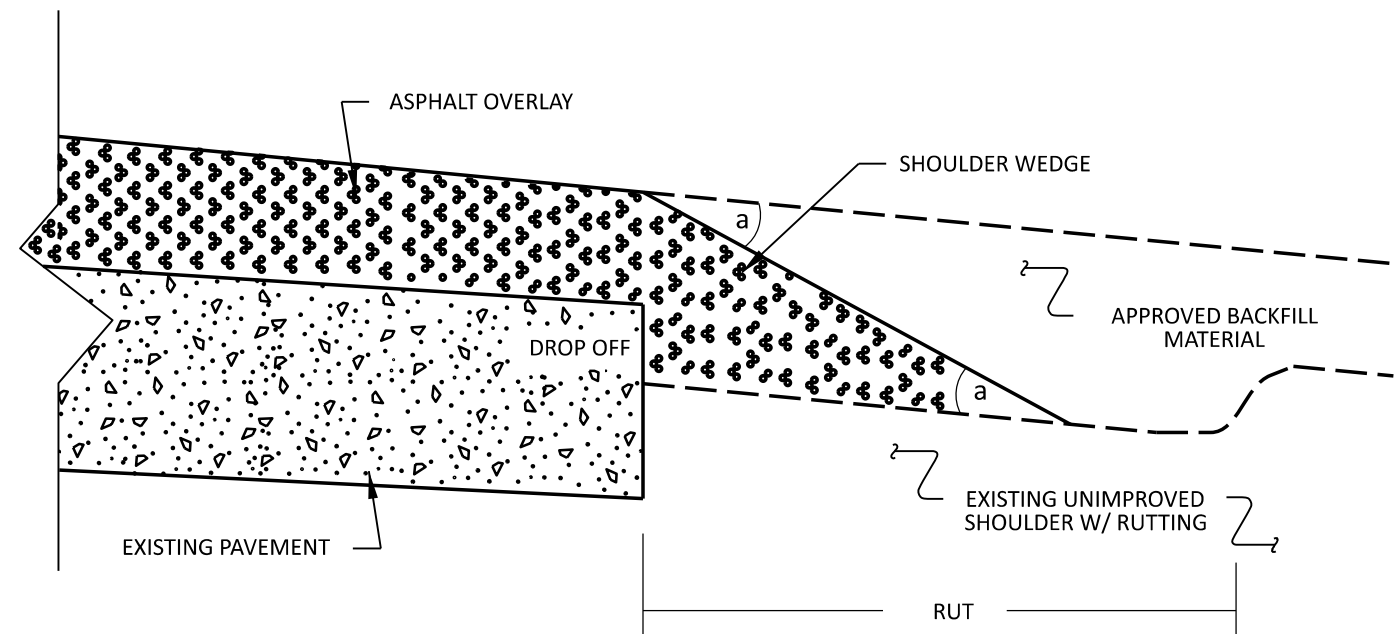


- NOTES:
 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS DIRECTED BY THE ENGINEER.

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)

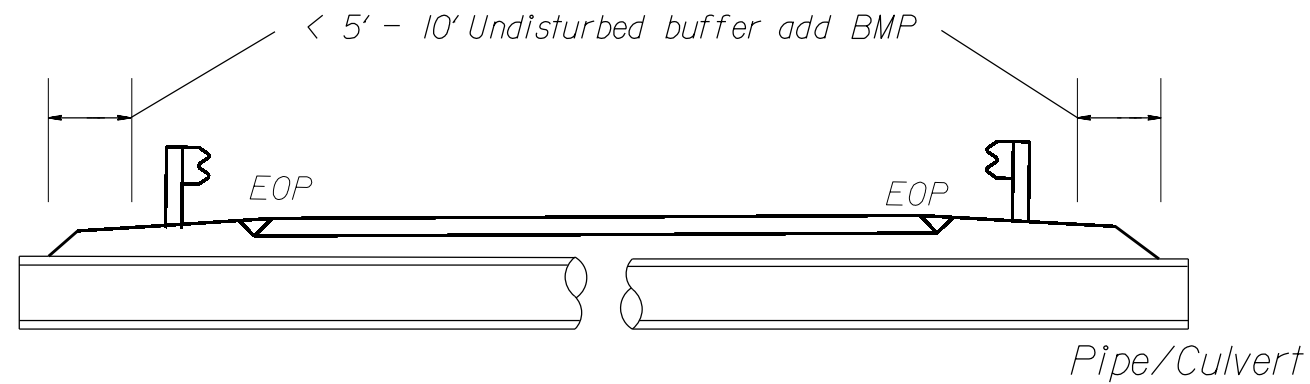
- SHOULDER WEDGE ANGLE = 30°

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.:	susr/details/stand/shoulderwedgedetail.dgn		

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

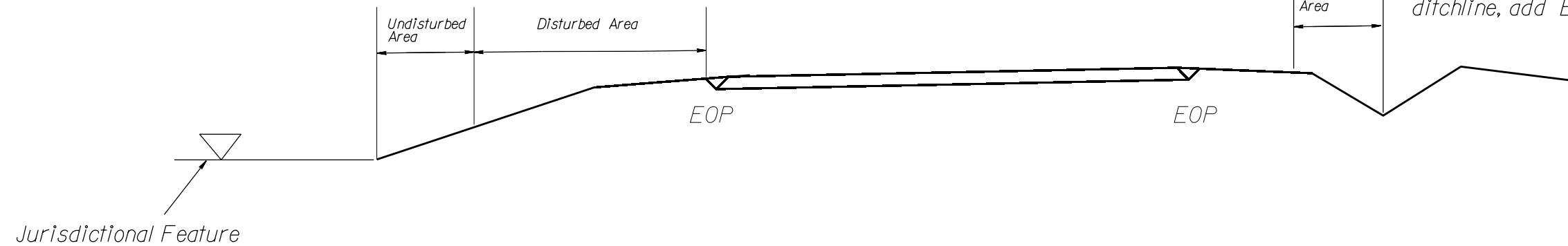
BMP Options: Wattle or Silt Fence

EROSION CONTROL DETAIL

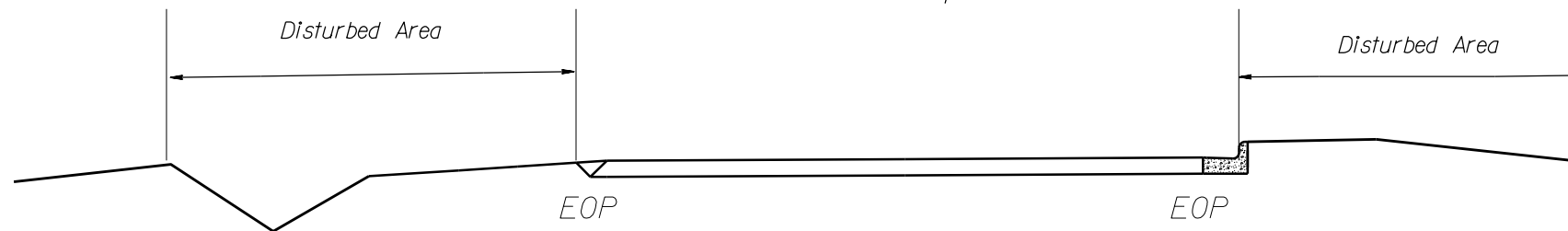


< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP

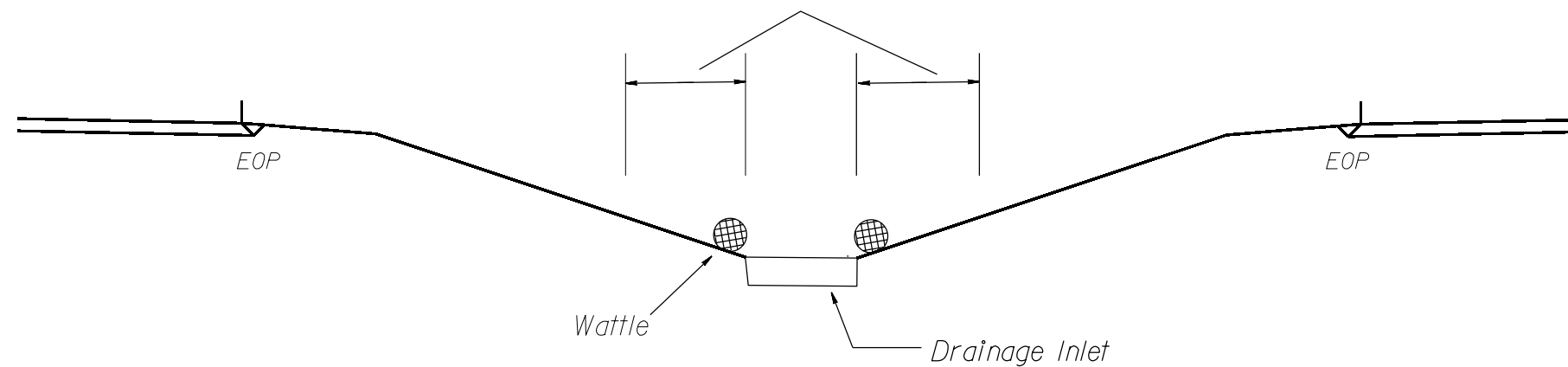
< 5' - 10' Undisturbed buffer from ditchline, add BMP



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



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



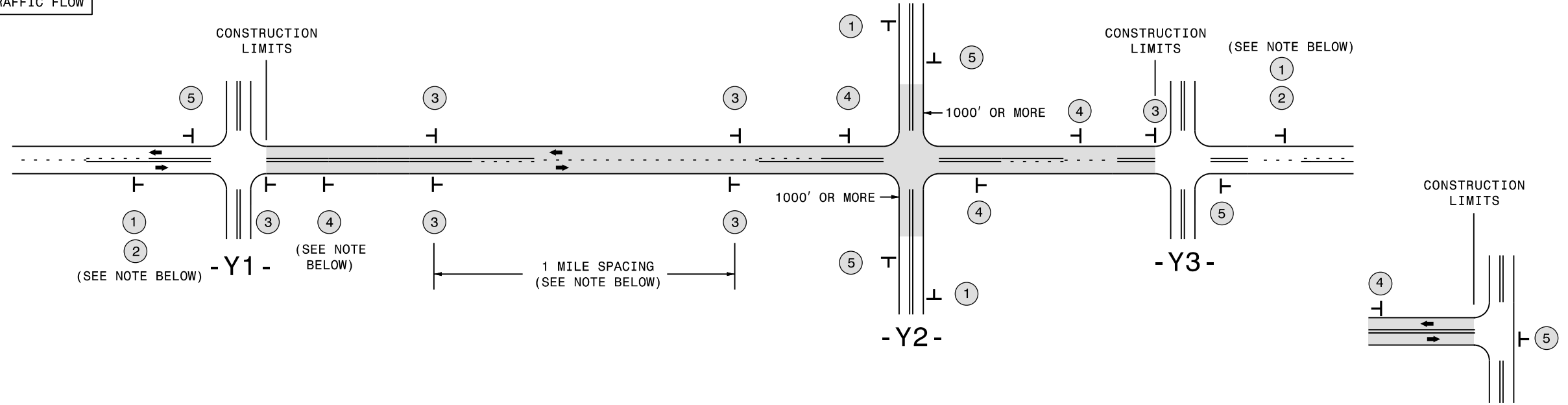
NOT TO SCALE

SIGNING FOR RESURFACING PROJECTS

LEGEND

┃ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW



TEE INTERSECTION

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	<p>1</p> <p>2</p>	<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 CONSTRUCTION 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"> LESS THAN 1000' OF RESURFACING ALONG -Y- LINE SUBDIVISION ROADS DEAD END ROADS <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING 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> <p>PLACED 500' IN ADVANCE OF FLAGGER.</p> </div> <div> <p>PLACED 250' IN ADVANCE OF FLAGGER.</p> </div> </div>
	<p>3</p>	<p>- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER.</p> <p>- AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.</p>	
	<p>4</p>	<p>- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS.</p> <p>- DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS.</p> <p>- INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE.</p> <p>- 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.</p> <p>- 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>- FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.</p>	
	<p>5</p>	<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.</p>	

THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.

MAPS LESS THAN 2 MILES

FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.



ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.07.02.20681	15	16

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LENGTH	WIDTH	BEGIN MP	END MP	0106000000-E	1220000000-E	1245000000-E	1260000000-E	1330000000-E	1519000000-E	1575000000-E	1704000000-E	1775000000-E	1838000000-E	2845000000-N	6084000000-E	
							MI	FT			BORROW EXCAVATION	INCIDENTAL STONE	SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	INCIDENTAL MILLING	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	ASPHALT SURFACE TREATMENT, MAT COAT, #78M STONE	EMULSION FOR ASPHALT SURFACE TREATMENT	ADJUSTMENT OF METER BOXES OR VALVE BOXES	SEEDING & MULCHING	
							CY					TONS	SMI	TON	SY	TONS	TON	TONS	SY	GAL	EA	AC	
2025CPT.07.02.20681	Orange	1	SR-1374 / INDUSTRIAL DR	FROM SR 1146 - WEST TEN RD TO SR 1114 - BUCKHORN RD	1	2	1.119	23	0	1.119	22	3	2.24	63	696	1,499	102	96	16,254	5,364	2	0.08	
TOTAL FOR MAP NO. 1							1.119				22	3	2.24	63	696	1,499	102	96	16,254	5,364	2	0.08	
2025CPT.07.02.20681	Orange	2	SR-1004 / CARR STORE RD	FROM SR 1357 - EFLAND CEDAR GROVE RD TO NC 49, SKIP NEW ASPHALT SECTION AT BRIDGE #242	1	2	4.66	22	6.24	10.9	87	210	8.70	247	763	5,263	358	323	56,499	18,645		0.32	
TOTAL FOR MAP NO. 2							4.66				87	210	8.70	247	763	5,263	358	323	56,499	18,645		0.32	
2025CPT.07.02.20681	Orange	3	SR-1423 / DOWNS DR	FROM SR 1332 - HIGHLAND FARM RD TO CUL DE SAC	2	2	0.227	20	0	0.227					167	285	21	54	3,007	992			
TOTAL FOR MAP NO. 3							0.227								167	285	21	54	3,007	992			
2025CPT.07.02.20681	Orange	4	SR-1424 / ROSENA CT	FROM SR 1423 - DOWNS DR TO CUL DE SAC	2	2	0.06	18	0	0.06						85	6		932	308			
TOTAL FOR MAP NO. 4							0.06									85	6		932	308			
2025CPT.07.02.20681	Orange	5	SR-1304 / SUPPER CLUB RD	FROM US 70 TO SR 1306 - EAST BROWN ST	1	2	0.4	20	0	0.4	7	54	0.72	20	333	396	36	219	4,237	1,398	2	0.03	
TOTAL FOR MAP NO. 5							0.4				7	54	0.72	20	333	396	36	219	4,237	1,398	2	0.03	
2025CPT.07.02.20681	Orange	6	SR-1256 / ST JAMES CT	FROM SR 1255 - JACOBS TRL TO CUL DE SAC	2	2	0.05	20	0	0.05						75	5	5	823	272			
TOTAL FOR MAP NO. 6							0.05									75	5	5	823	272			
2025CPT.07.02.20681	Orange	7	SR-1255 / JACOBS TRL	FROM SR 1130 - ODE TURNER RD TO CUL DE SAC	2	2	0.332	20	0	0.332		3			167	391	29	76	4,229	1,395			
TOTAL FOR MAP NO. 7							0.332					3			167	391	29	76	4,229	1,395			
2025CPT.07.02.20681	Orange	8	SR-2079 / NINE GATES RD	FROM SR 1942 - JONES FERRY RD TO SR 2080 - WOODGATE DR	2	2	0.337	19	0	0.337					200	376	27	50	3,971	1,311			
TOTAL FOR MAP NO. 8							0.337								200	376	27	50	3,971	1,311			
2025CPT.07.02.20681	Orange	9	SR-2080 / WOODGATE DR	FROM SR 2079 - NINE GATES RD TO SR 2081 - STONEGATE DR	2	2	0.615	19	0	0.615						671	51	145	7,016	2,315			
TOTAL FOR MAP NO. 9							0.615									671	51	145	7,016	2,315			
2025CPT.07.02.20681	Orange	10	SR-2081 / STONEGATE DR	FROM SR 2080 - WOODGATE DR TO CUL DE SAC	2	2	0.5	18	0	0.5		3				410	28	27	4,344	1,434			
TOTAL FOR MAP NO. 10							0.5					3				410	28	27	4,344	1,434			
2025CPT.07.02.20681	Orange	11	SR-2082 / SUMMERGATE CIR	FROM SR 2080 - WOODGATE DR TO CUL DE SAC	2	2	0.2	18	0	0.2						211	14	10	2,326	768			
TOTAL FOR MAP NO. 11							0.2									211	14	10	2,326	768			
2025CPT.07.02.20681	Orange	12	SR-2285 / SPRING HOUSE LN	FROM SR 1723 - NEW HOPE CHURCH RD TO CUL DE SAC	2	2	0.246	18	0	0.246		3			167	278	19	15	2,945	972			
TOTAL FOR MAP NO. 12							0.246					3			167	278	19	15	2,945	972			
2025CPT.07.02.20681	Orange	13	SR-2286 / WOODLOT RIDGE RD	FROM SR 2285 - SPRING HOUSE LN TO CUL DE SAC	2	2	0.09	18	0	0.09						120	8	11	1,321	436			
TOTAL FOR MAP NO. 13							0.09									120	8	11	1,321	436			
2025CPT.07.02.20681	Orange	14	SR-1446 / HAMECON PL	FROM SR 1383 - ENO CEMETERY RD TO CUL DE SAC	2	2	0.2	18	0	0.2		45			154	213	18	95	2,345	774			
TOTAL FOR MAP NO. 14							0.2					45			154	213	18	95	2,345	774			
2025CPT.07.02.20681	Orange	15	SR-1447 / PORTEUR PT	FROM SR 1383 - ENO CEMETERY RD TO CUL DE SAC	2	2	0.06	18	0	0.06		24			179	89	10	95	976	322			
TOTAL FOR MAP NO. 15							0.06					24			179	89	10	95	976	322			
TOTAL FOR PROJ NO. 2025CPT.07.02.20681							9.096					116	345	11.66	330	2,826	10,362	732	1,221	111,225	36,706	4	0.43
GRAND TOTAL							9.096					116	345	11.66	330	2,826	10,362	732	1,221	111,225	36,706	4	0.43

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.07.02.20681	16	16

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LENGTH	WIDTH	BEGIN MP	END MP	4413000000-E	4457000000-N	4685000000-E		4688000000-E	
											WORK ZONE ADVANCE/ GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	6" X 90 M WHITE THERMO	
											SF	LS	LF	LF	LF	
2025CPT.07.02.20681	Orange	1	SR-1374 / INDUSTRIAL DR	FROM SR 1146 - WEST TEN RD TO SR 1114 - BUCKHORN RD	1	2	1.119	23	0	1.119				12,000	9,200	30
TOTAL FOR MAP NO. 1							1.119							12,000	9,200	30
2025CPT.07.02.20681	Orange	2	SR-1004 / CARR STORE RD	FROM SR 1357 - EFLAND CEDAR GROVE RD TO NC 49, SKIP NEW ASPHALT SECTION AT BRIDGE #242	1	2	4.66	22	6.24	10.9	487			47,000	41,000	150
TOTAL FOR MAP NO. 2							4.66				487			47,000	41,000	150
2025CPT.07.02.20681	Orange	3	SR-1423 / DOWNS DR	FROM SR 1332 - HIGHLAND FARM RD TO CUL DE SAC	2	2	0.227	20	0	0.227						
TOTAL FOR MAP NO. 3							0.227									
2025CPT.07.02.20681	Orange	4	SR-1424 / ROSENA CT	FROM SR 1423 - DOWNS DR TO CUL DE SAC	2	2	0.06	18	0	0.06						
TOTAL FOR MAP NO. 4							0.06									
2025CPT.07.02.20681	Orange	5	SR-1304 / SUPPER CLUB RD	FROM US 70 TO SR 1306 - EAST BROWN ST	1	2	0.4	20	0	0.4				4,000	4,000	15
TOTAL FOR MAP NO. 5							0.4							4,000	4,000	15
2025CPT.07.02.20681	Orange	6	SR-1256 / ST JAMES CT	FROM SR 1255 - JACOBS TRL TO CUL DE SAC	2	2	0.05	20	0	0.05						
TOTAL FOR MAP NO. 6							0.05									
2025CPT.07.02.20681	Orange	7	SR-1255 / JACOBS TRL	FROM SR 1130 - ODE TURNER RD TO CUL DE SAC	2	2	0.332	20	0	0.332						
TOTAL FOR MAP NO. 7							0.332									
2025CPT.07.02.20681	Orange	8	SR-2079 / NINE GATES RD	FROM SR 1942 - JONES FERRY RD TO SR 2080 - WOODGATE DR	2	2	0.337	19	0	0.337						
TOTAL FOR MAP NO. 8							0.337									
2025CPT.07.02.20681	Orange	9	SR-2080 / WOODGATE DR	FROM SR 2079 - NINE GATES RD TO SR 2081 - STONEGATE DR	2	2	0.615	19	0	0.615						
TOTAL FOR MAP NO. 9							0.615									
2025CPT.07.02.20681	Orange	10	SR-2081 / STONEGATE DR	FROM SR 2080 - WOODGATE DR TO CUL DE SAC	2	2	0.5	18	0	0.5						
TOTAL FOR MAP NO. 10							0.5									
2025CPT.07.02.20681	Orange	11	SR-2082 / SUMMERGATE CIR	FROM SR 2080 - WOODGATE DR TO CUL DE SAC	2	2	0.2	18	0	0.2						
TOTAL FOR MAP NO. 11							0.2									
2025CPT.07.02.20681	Orange	12	SR-2285 / SPRING HOUSE LN	FROM SR 1723 - NEW HOPE CHURCH RD TO CUL DE SAC	2	2	0.246	18	0	0.246						
TOTAL FOR MAP NO. 12							0.246									
2025CPT.07.02.20681	Orange	13	SR-2286 / WOODLOT RIDGE RD	FROM SR 2285 - SPRING HOUSE LN TO CUL DE SAC	2	2	0.09	18	0	0.09						
TOTAL FOR MAP NO. 13							0.09									
2025CPT.07.02.20681	Orange	14	SR-1446 / HAMECON PL	FROM SR 1383 - ENO CEMETERY RD TO CUL DE SAC	2	2	0.2	18	0	0.2						
TOTAL FOR MAP NO. 14							0.2									
2025CPT.07.02.20681	Orange	15	SR-1447 / PORTEUR PT	FROM SR 1383 - ENO CEMETERY RD TO CUL DE SAC	2	2	0.06	18	0	0.06						
TOTAL FOR MAP NO. 15							0.06									
TOTAL FOR PROJ NO. 2025CPT.07.02.20681							9.096					487	1.00	63,000	54,200	195
														117,200		
GRAND TOTAL							9.096					487	1.00	63,000	54,200	195
														117,200		