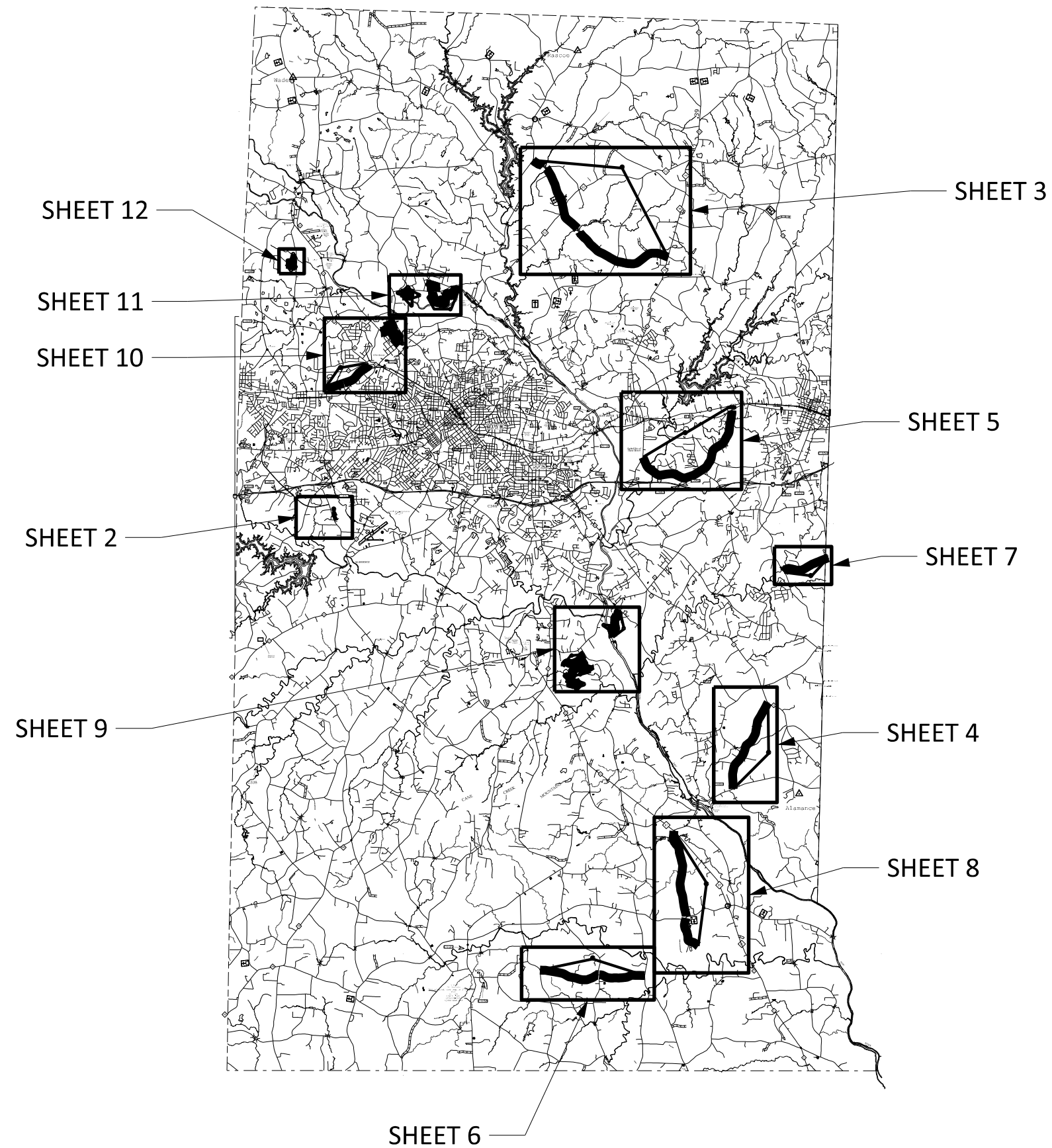
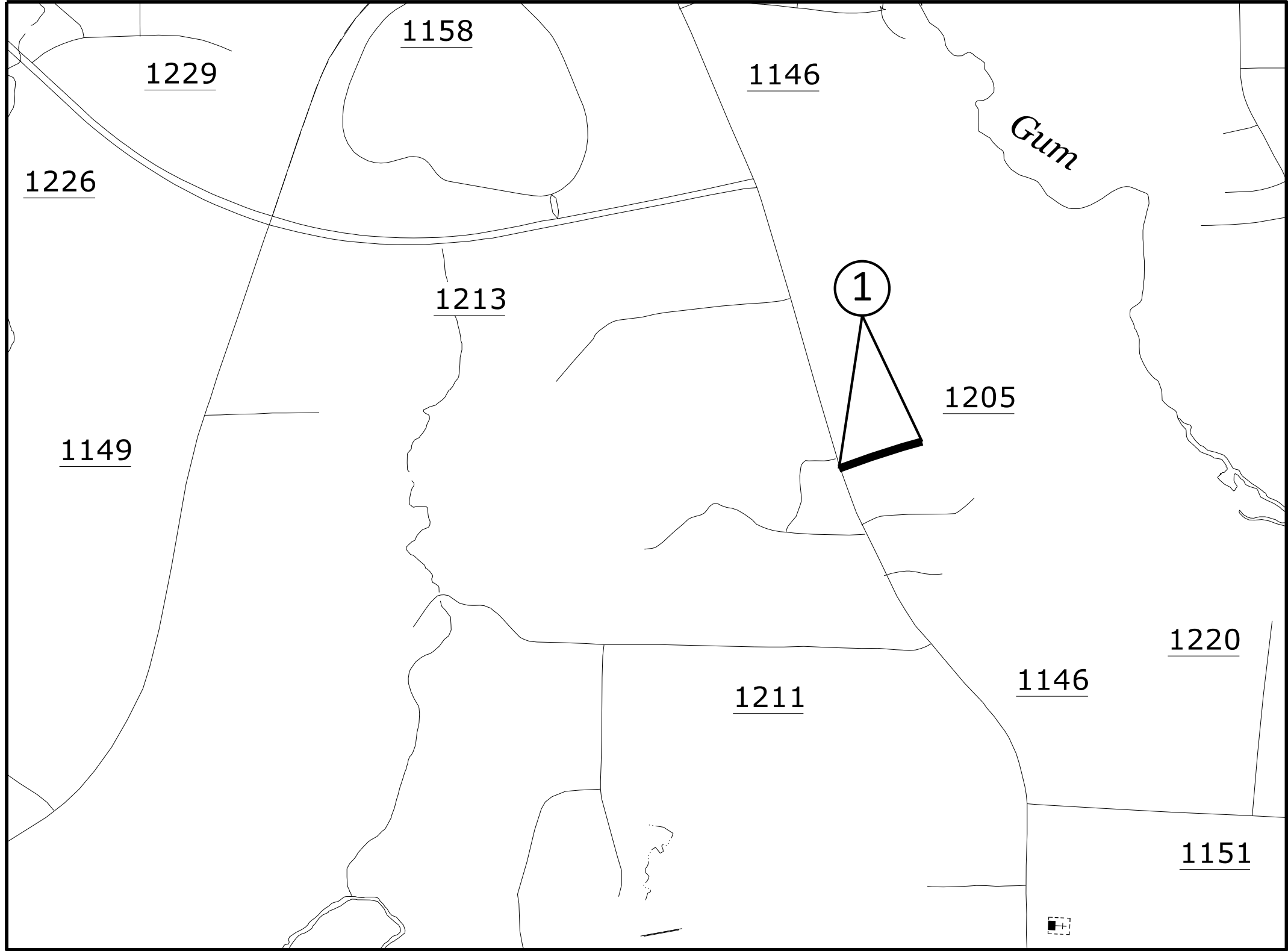
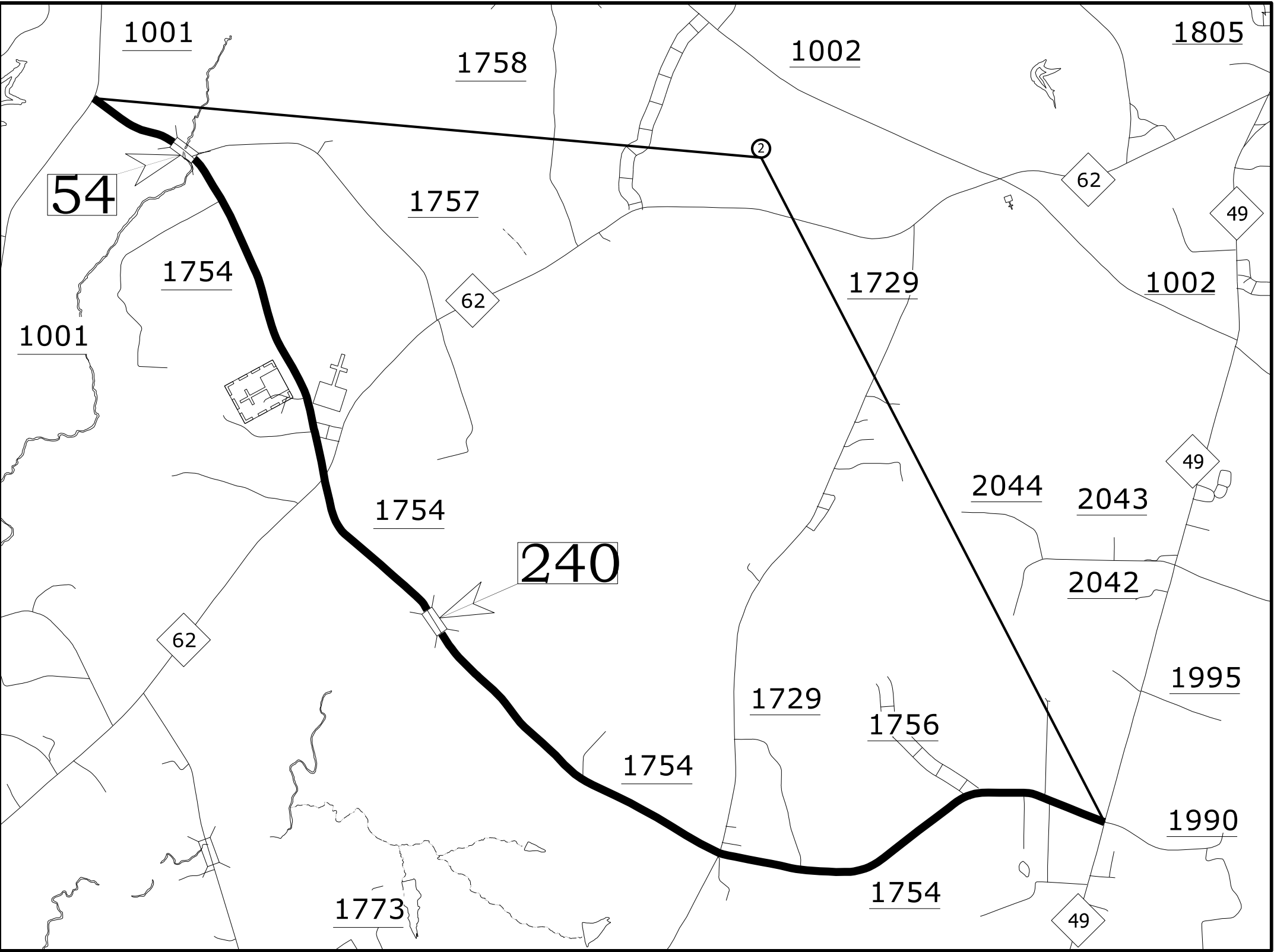


PROJECT REFERENCE NO.	SHEET NO.
2026CPT.07.03.20011	1

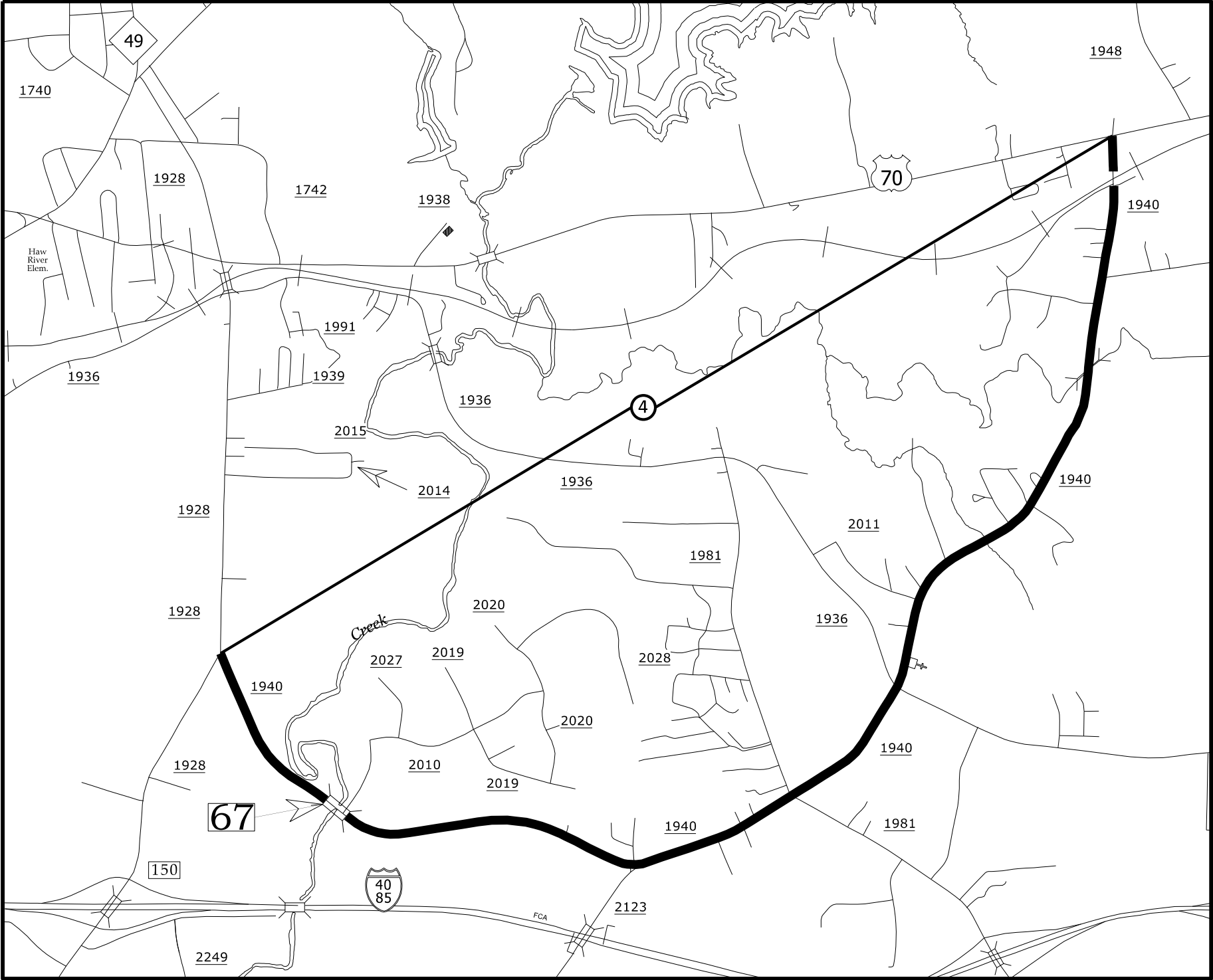




Map 1 SR 1205 - Isley Ln



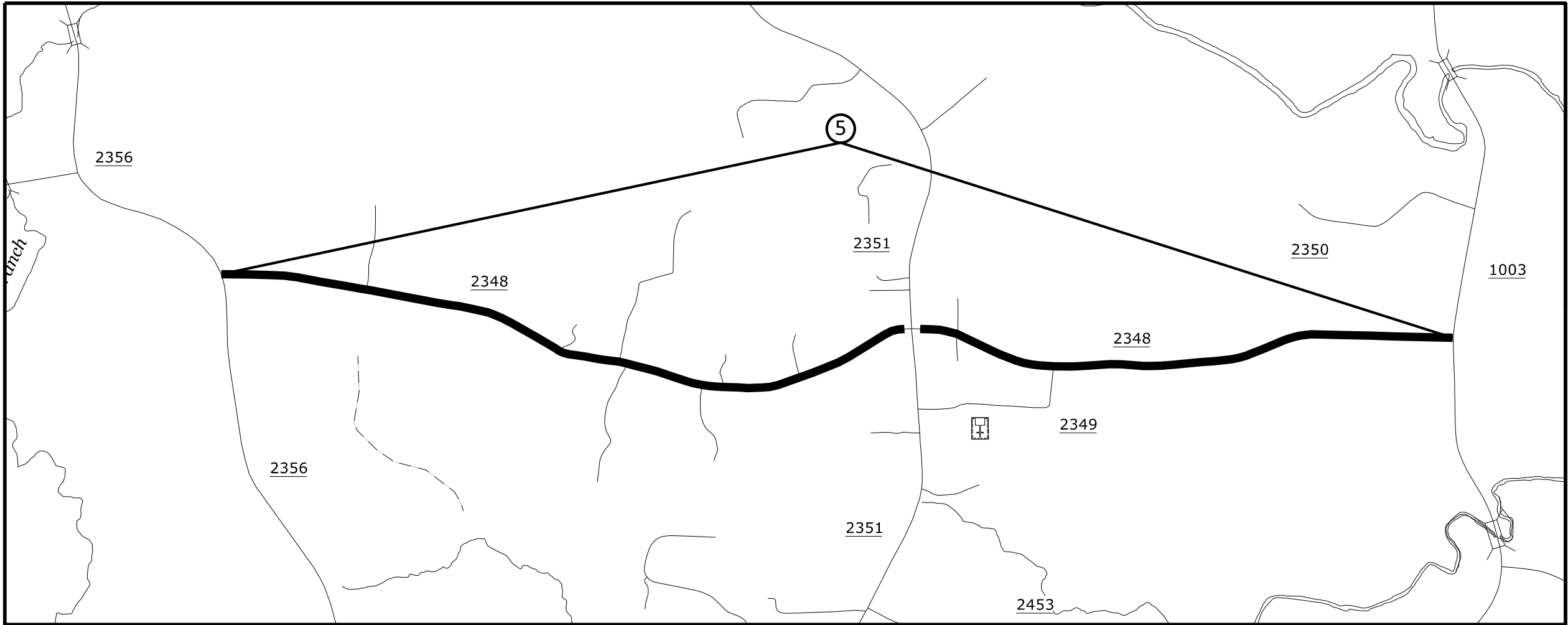
Map 2 SR 1754 - McCray Rd
*Skip Bridge #54 & #240



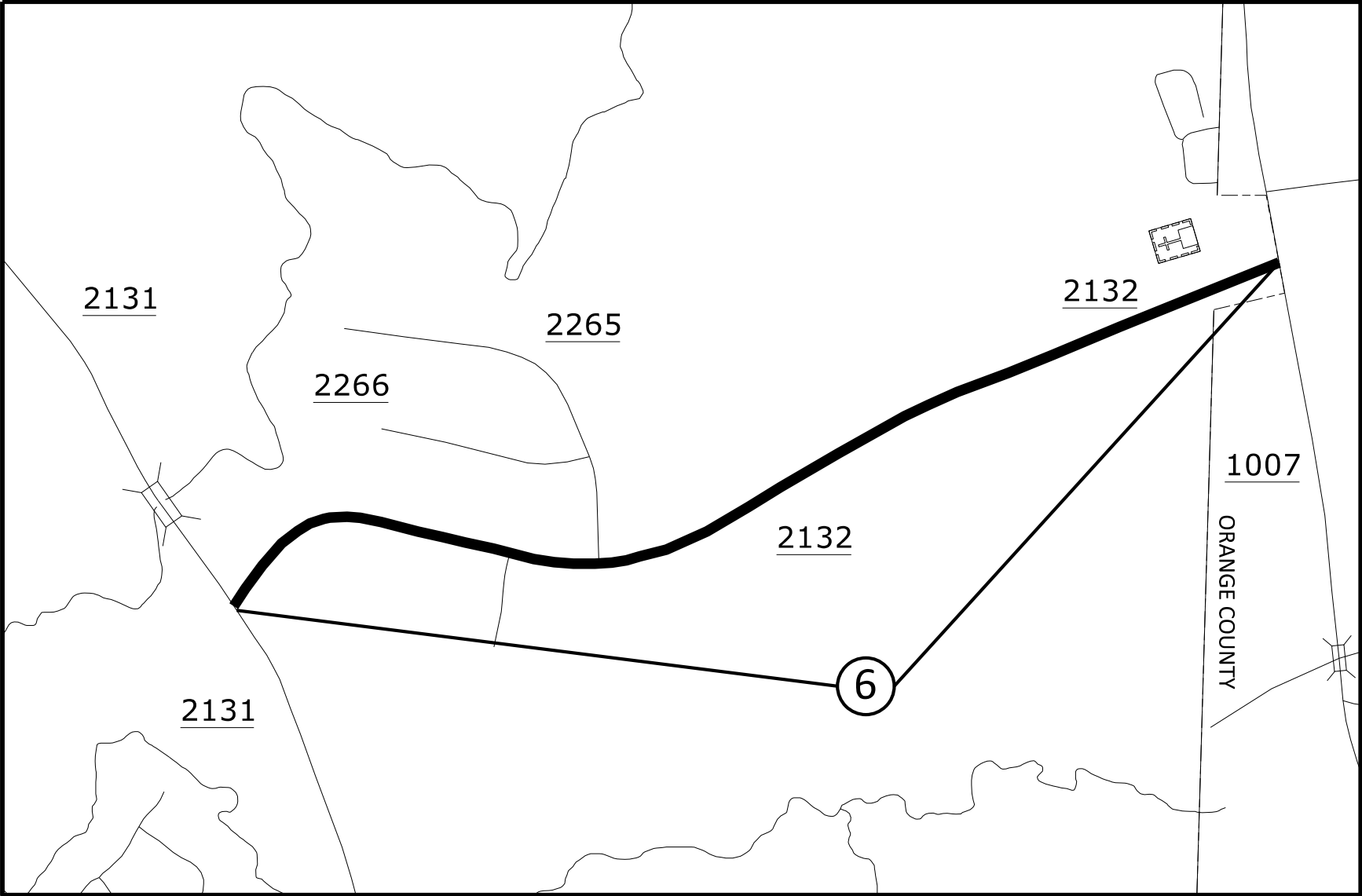
Map 4 SR 1940 - Trollingwood Rd/Gibson Rd

*Skip Bridge #67

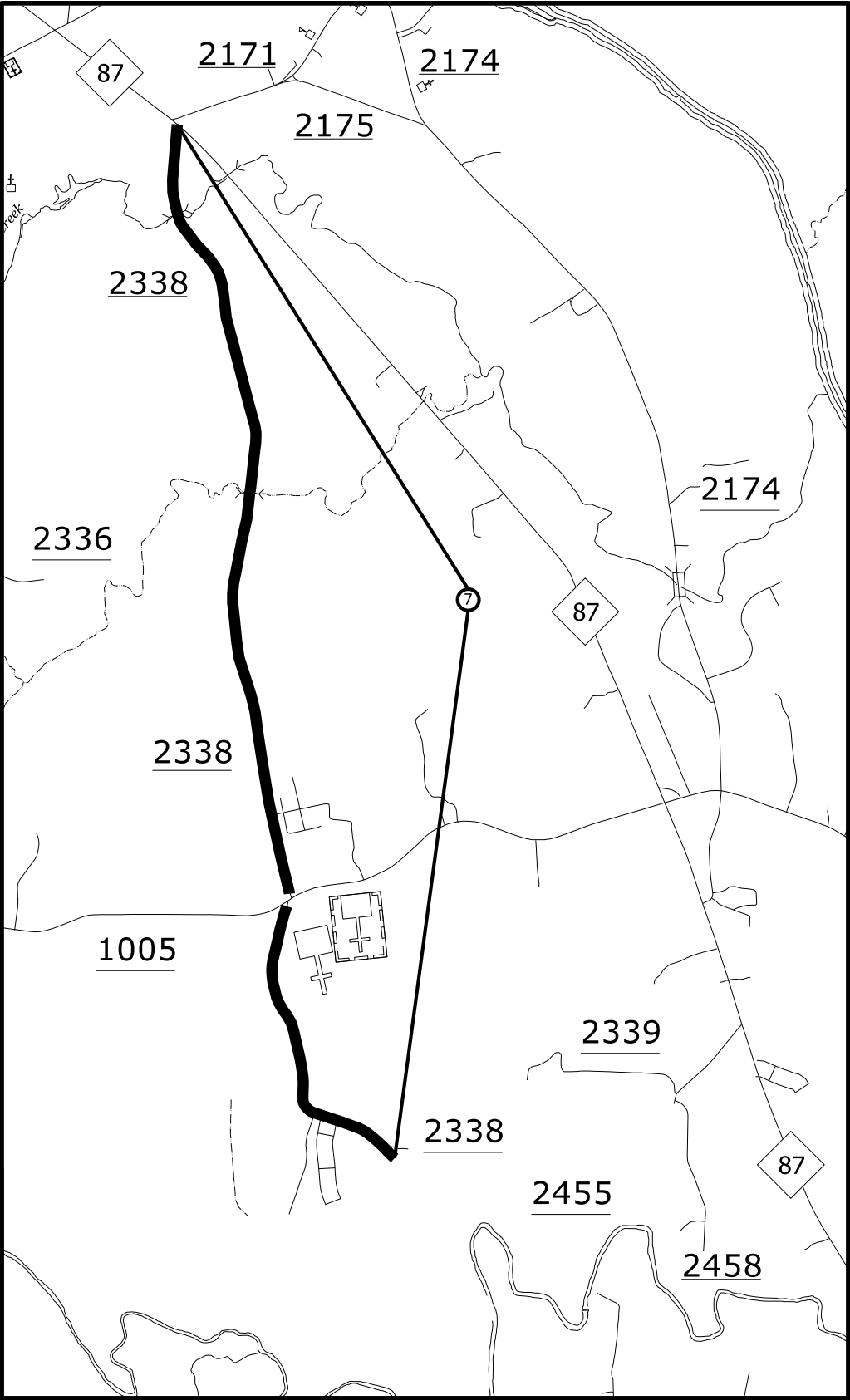
*Skip Railroad Tracks, Tie Down 100' From Centerline
Of Tracks In Both Directions



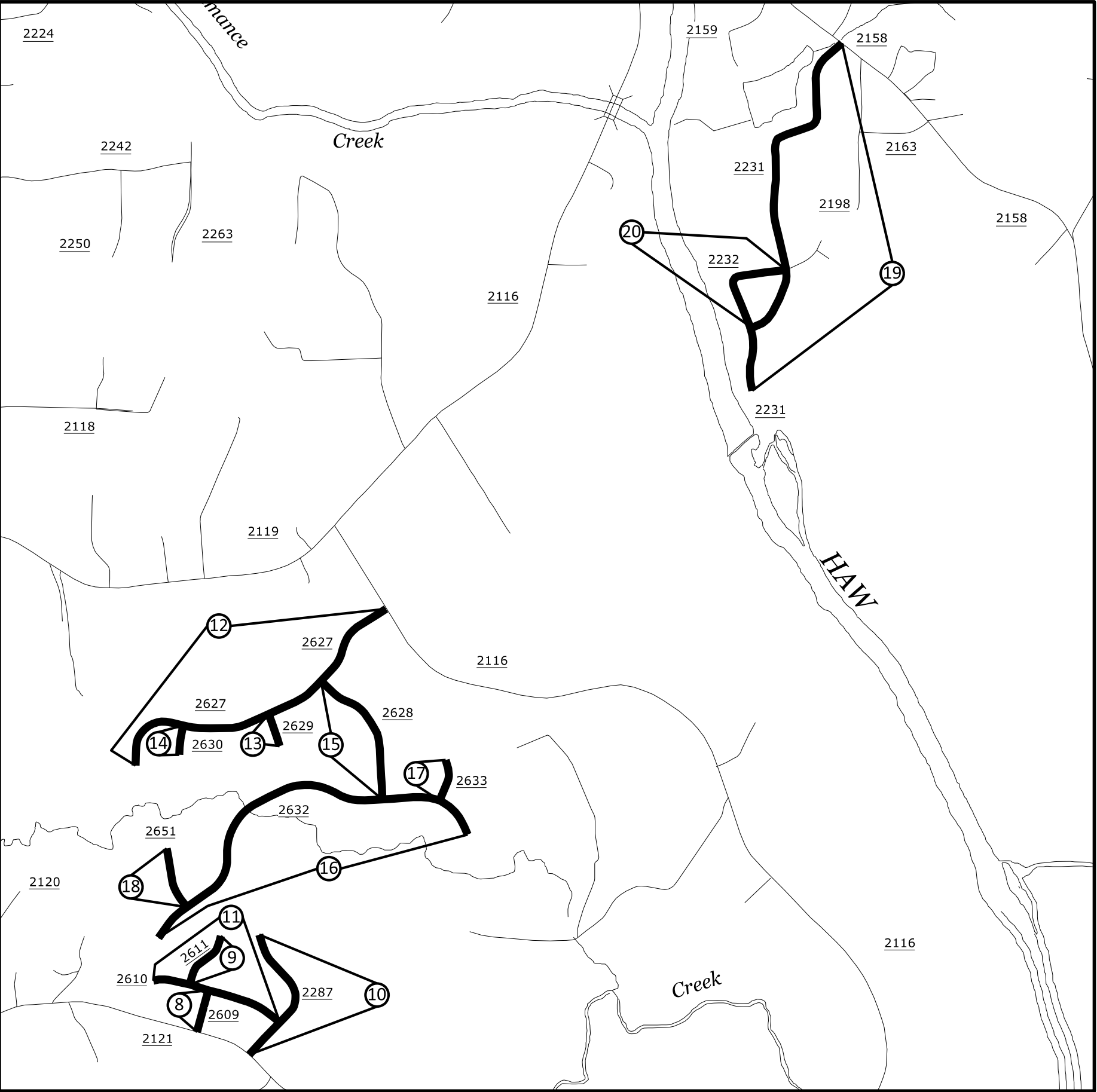
Map 5 SR 2348 - Major Hill Rd
*Skip SR 2351 - Bethel South Fork Rd



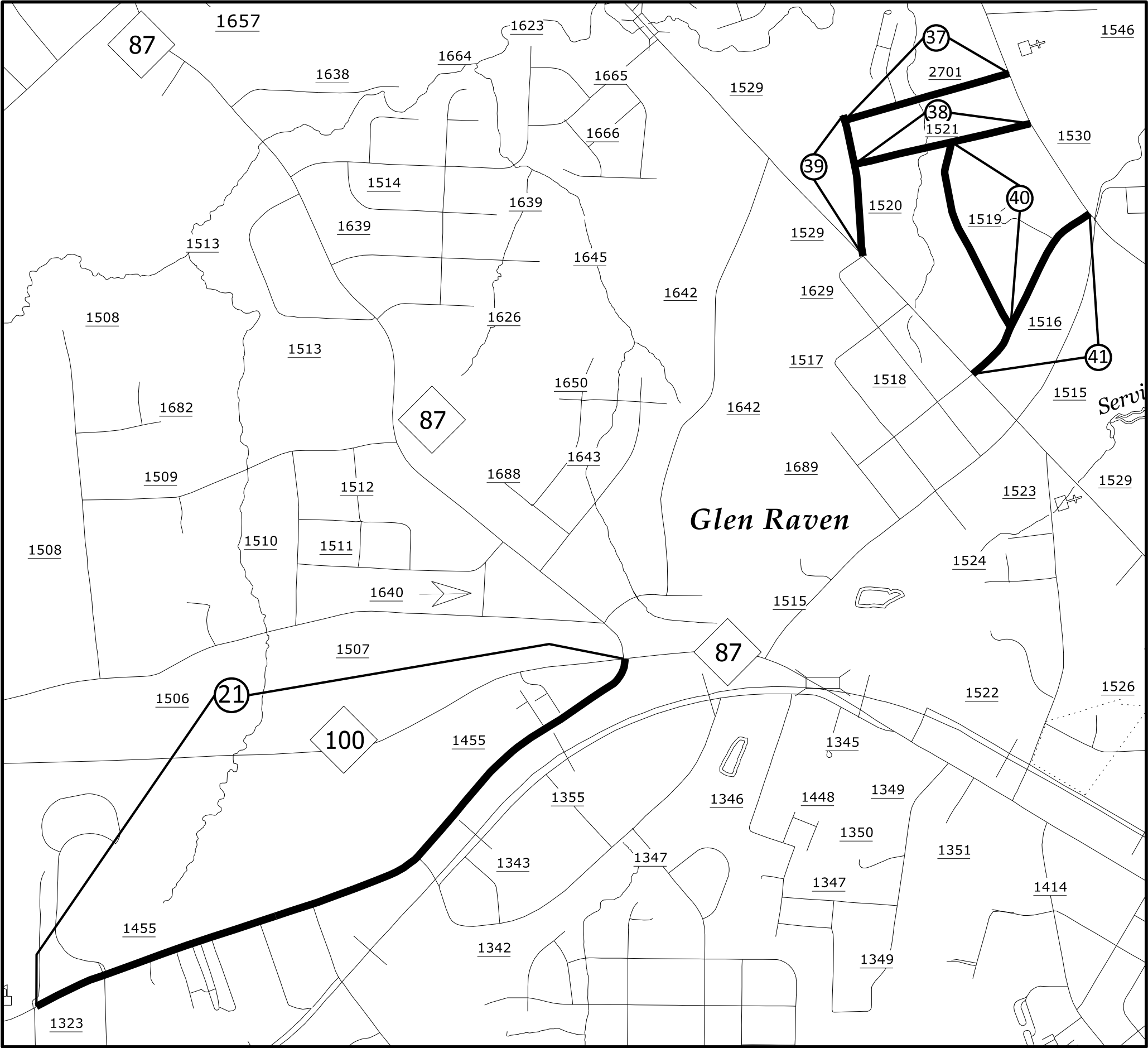
Map 6 SR 2132 - Cook St

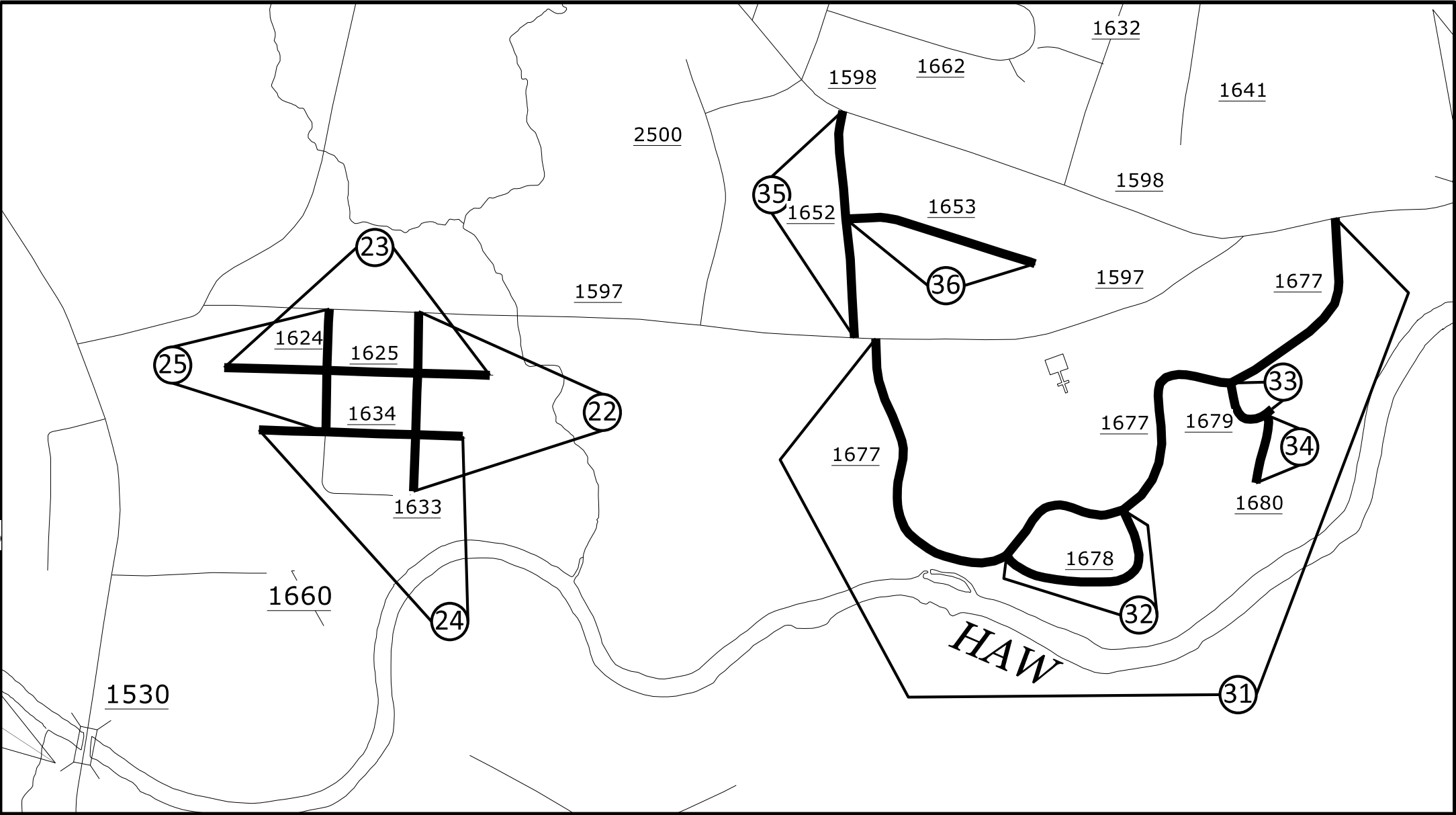


Map 7 SR 2338 - Stockard Rd
*Skip SR 1005 - E Greensboro Chapel Hill Rd

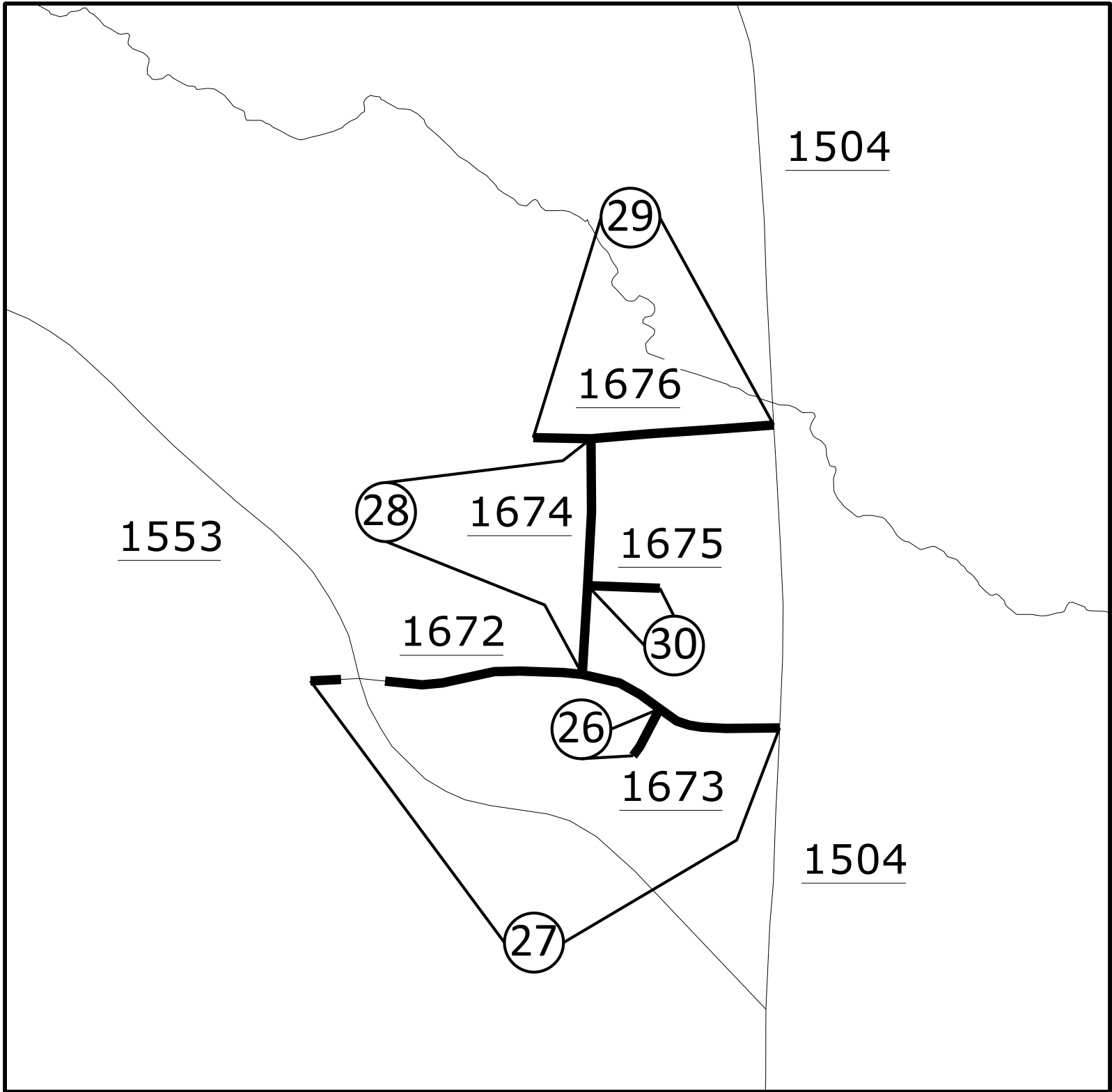


- | | |
|--------|------------------------------|
| Map 8 | SR 2609 - Misty Hollow Ln |
| Map 9 | SR 2611 - Misty Hollow Ct |
| Map 10 | SR 2287 - Golden Oaks Dr |
| Map 11 | SR 2610 - Lacy Nicole Dr |
| Map 12 | SR 2627 - Shelly Graham Dr |
| Map 13 | SR 2629 - Lazy Ln |
| Map 14 | SR 2630 - Byers Ct |
| Map 15 | SR 2628 - William Newlin Dr |
| Map 16 | SR 2632 - Mattie Florence Dr |
| Map 17 | SR 2633 - Varnals Ct |
| Map 18 | SR 2651 - Stanton Ct |
| Map 19 | SR 2231 - Woodside Ave |
| Map 20 | SR 2232 - Oakridge Dr |



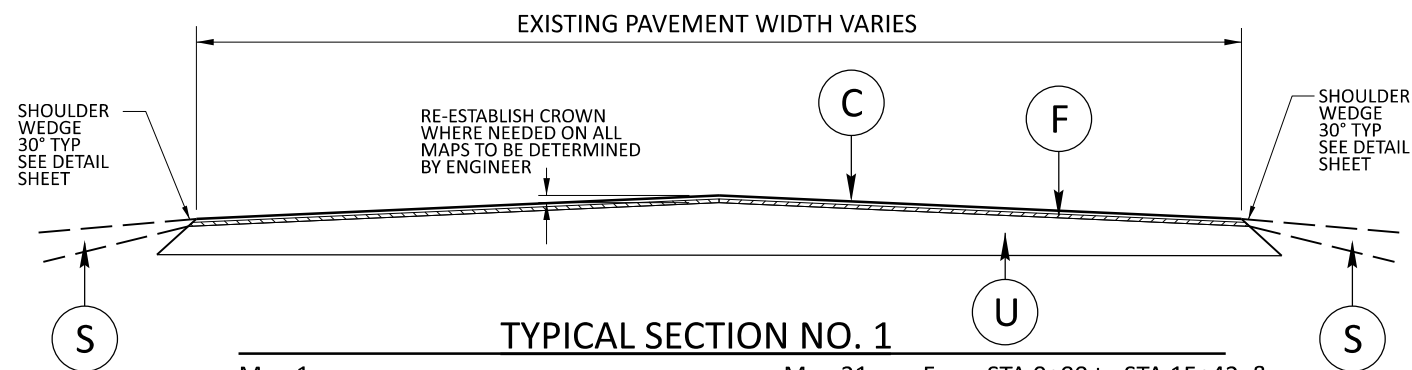


- | | |
|--------|------------------------------|
| Map 22 | SR 1633 - Hamilton Rd |
| Map 23 | SR 1625 - Dogwood St |
| Map 24 | SR 1634 - Carlton Ave |
| Map 25 | SR 1624 - Beverly Rd |
| Map 31 | SR 1677 - Indian Valley Dr |
| Map 32 | SR 1678 - Whispering Wind Rd |
| Map 33 | SR 1679 - Hiawatha Pl |
| Map 34 | SR 1680 - Hiawatha Ct |
| Map 35 | SR 1652 - Snug Harbor Rd |
| Map 36 | SR 1653 - Yamota Dr |



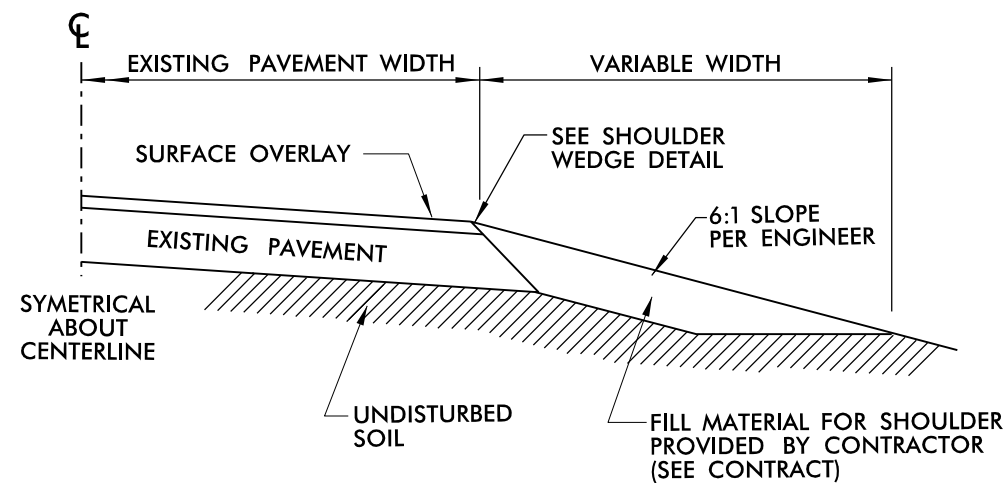
Map 26 SR 1673 - Elon Ct
Map 27 SR 1672 - Springfield Dr
*Skip SR 1553 - Midway Church Rd

Map 28 SR 1674 - Wimbsley Dr
Map 29 SR 1676 - Barrington Rd
Map 30 SR 1675 - Barton Ct



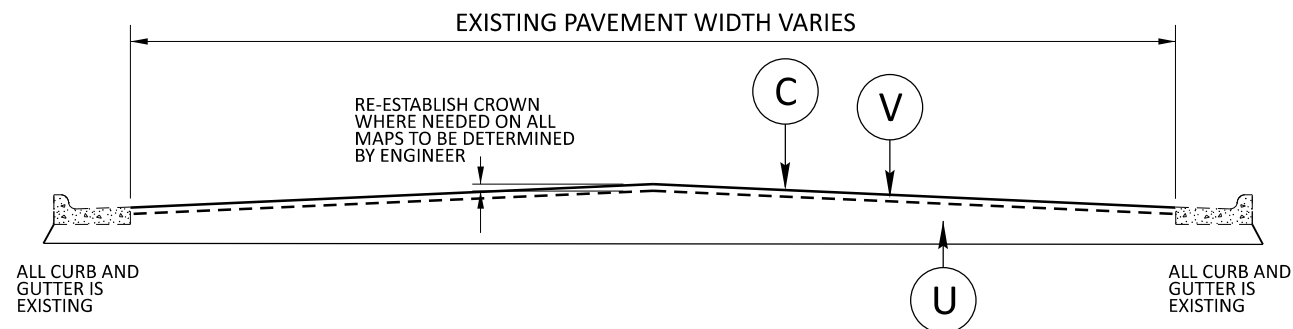
TYPICAL SECTION NO. 1

Map 1		Map 21	From STA 0+00 to STA 15+42 & From STA 18+96 to STA 42+50
Map 2	Skip Bridge #54 & #240		
Map 3			
Map 4	From STA 0+00 to STA 105+75 & From STA 111+55 to STA 200+35 Skip Railroad Tracks, Tie Down 100' From Centerline Of Tracks In Both Directions	Map 22	
		Map 23	
		Map 24	
		Map 25	
		Map 26	
		Map 27	
		Map 28	
Map 5	Skip SR 2351 - Bethel South Fork Rd	Map 29	
Map 6		Map 30	
Map 7	Skip SR 1005 - E Greensboro Chapel Hill Rd	Map 31	
		Map 32	
		Map 33	
		Map 34	
Map 8		Map 35	
Map 9		Map 36	
Map 10		Map 37	
Map 11		Map 38	
Map 12		Map 39	
Map 13		Map 40	
Map 14		Map 41	
Map 15			
Map 16			
Map 17			
Map 18			
Map 19			
Map 20			



SHOULDER RECONSTRUCTION

* PLACE ASB OR BORROW AS DIRECTED BY THE ENGINEER

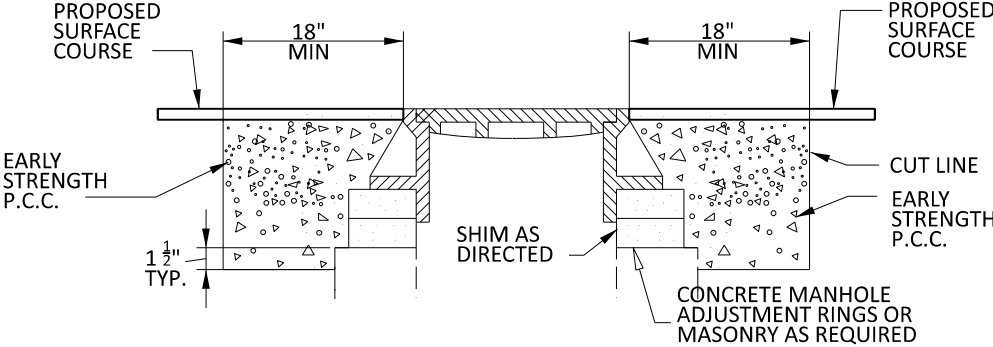


TYPICAL SECTION NO. 2

Map 4	From STA 105+75 to STA 111+55
Map 21	From STA 15+42 to STA 18+96 & From STA 42+50 to STA 69+20

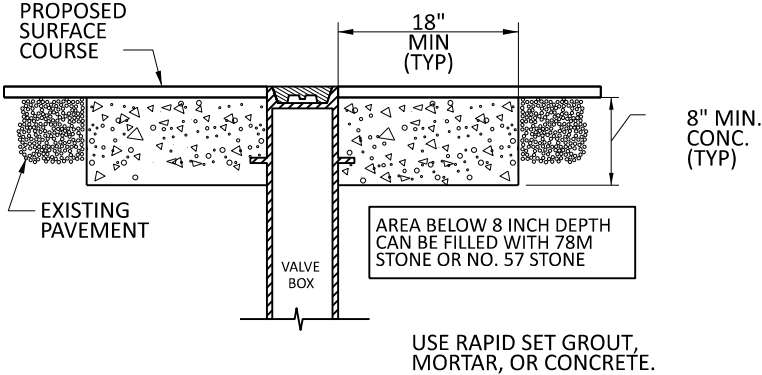
PAVEMENT SCHEDULE

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
V	MILL ASPHALT PAVEMENT, 1½" DEPTH

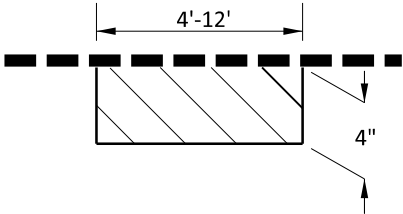


- NOTES:
- 1. MORTAR SHALL BE MIXED TO NCDOT SPECIFICATIONS.
 - 2. ALL FAULTY EXISTING BRICKWORK TO BE REMOVED AND REPLACED WITH NEW BRICK MASONRY.
 - 3. EXCAVATION FOR THE ADJUSTMENT SHALL BE SHEER CUT ON ALL SIDES.
 - 4. RAPID SET GROUT, MORTAR, OR CONCRETE SHALL BE USED. CLASS B CONCRETE MAY BE USED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

STANDARD CONCRETE ENCASEMENT
FOR MANHOLE CASTINGS IN PAVEMENT

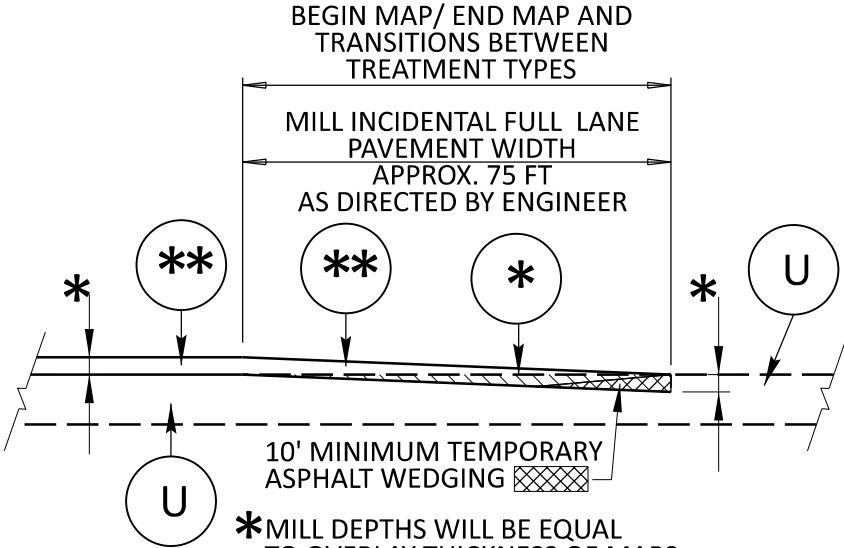


STANDARD CONCRETE ENCASEMENT FOR
VALVE CASTINGS IN PAVEMENT



PATCH WITH ACSC, ACIC OR ACBC
AS DIRECTED BY THE ENGINEER

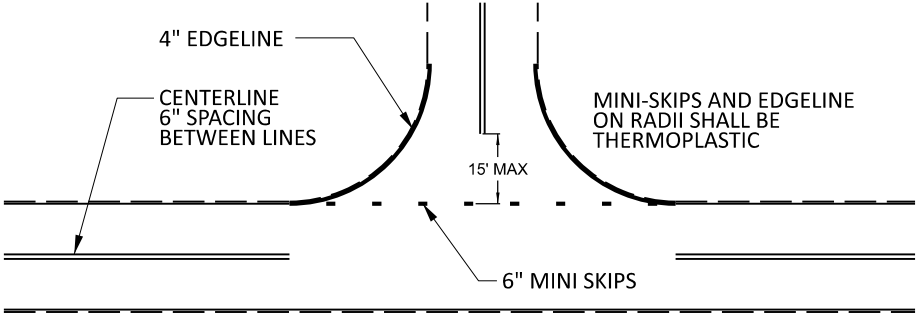
PATCHING EXISTING
PAVEMENT DETAIL



*MILL DEPTHS WILL BE EQUAL
TO OVERLAY THICKNESS OF MAPS
SEE TYPICALS

**SEE TYPICALS FOR MIX TYPE

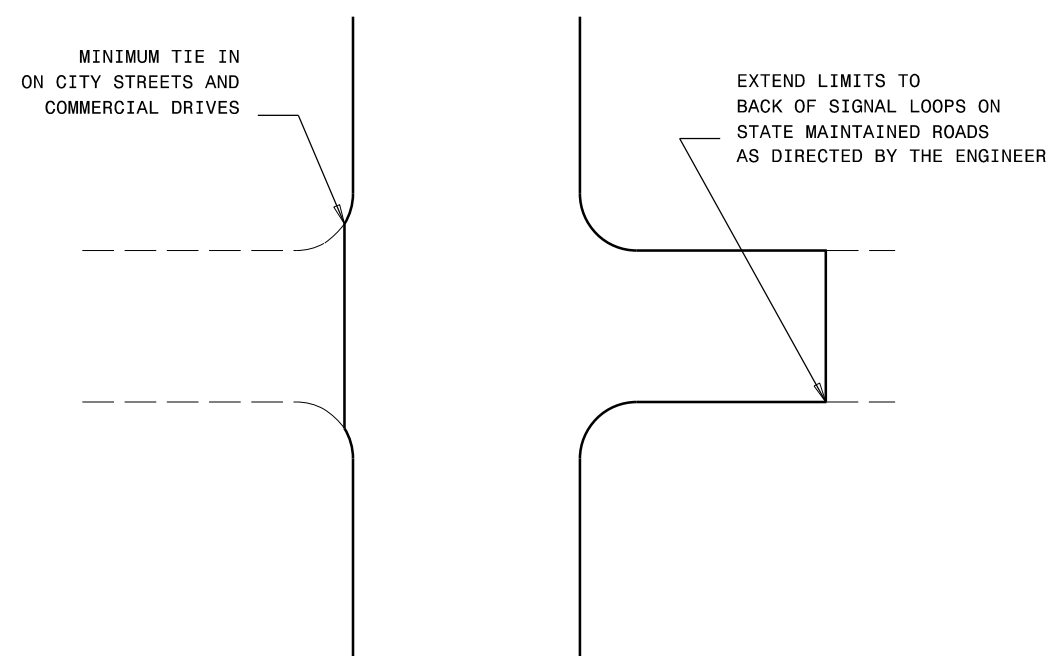
INCIDENTAL MILLING AT TIE-IN DETAIL



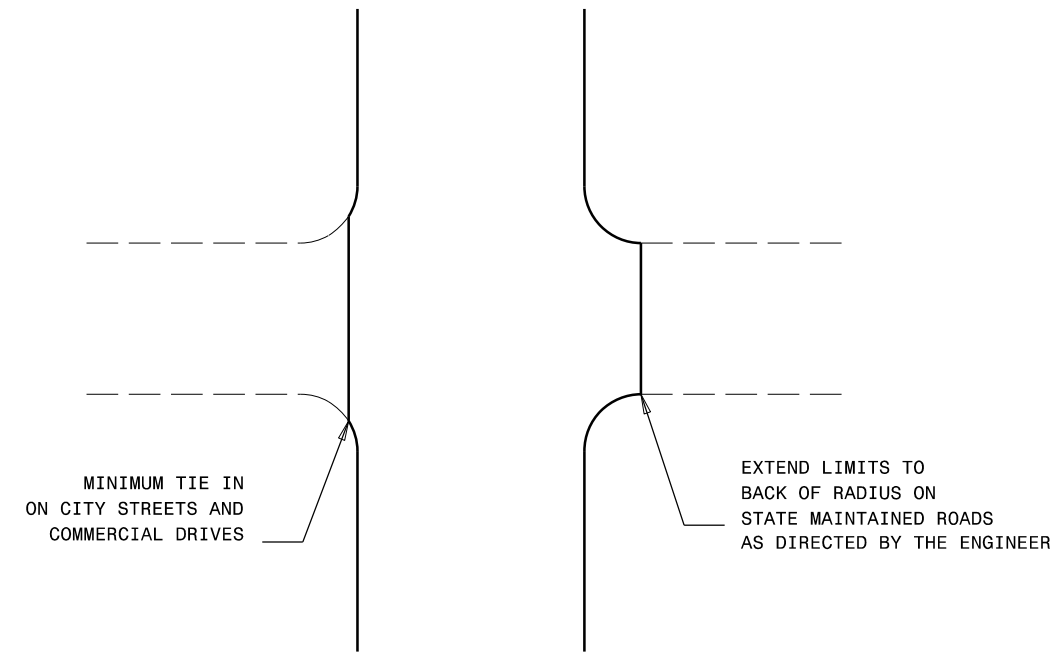
NOTE: MINI SKIPS SHALL BE PLACED ON A 8' CYCLE, CONTAINING
A 6' AND 2' SKIP, THE WIDTH OF THE SKIP SHALL BE 6\"/>

TO BE USED AT ALL
NON-SIGNALIZED INTERSECTIONS
(NOT TO SCALE)

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
V	MILL ASPHALT PAVEMENT, 1½" DEPTH

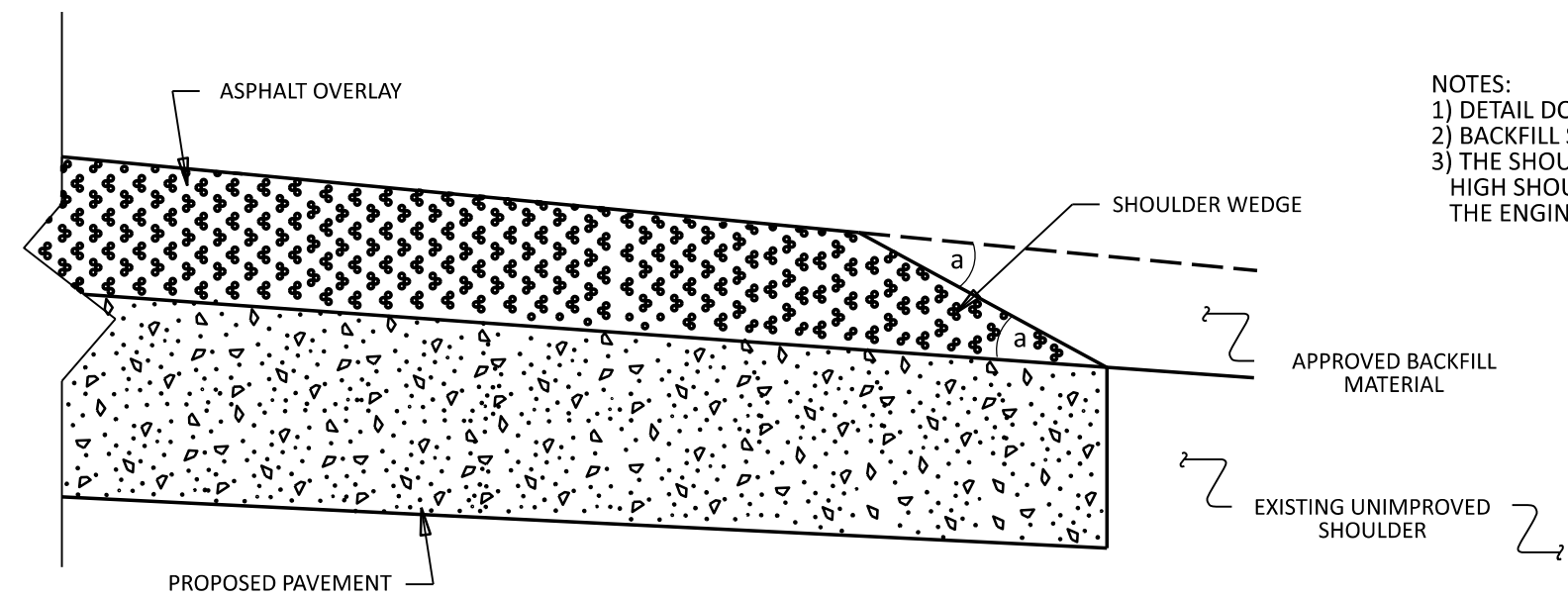


TYPICAL DETAIL OF PROJECT LIMITS AT
SIGNALIZED Y LINES



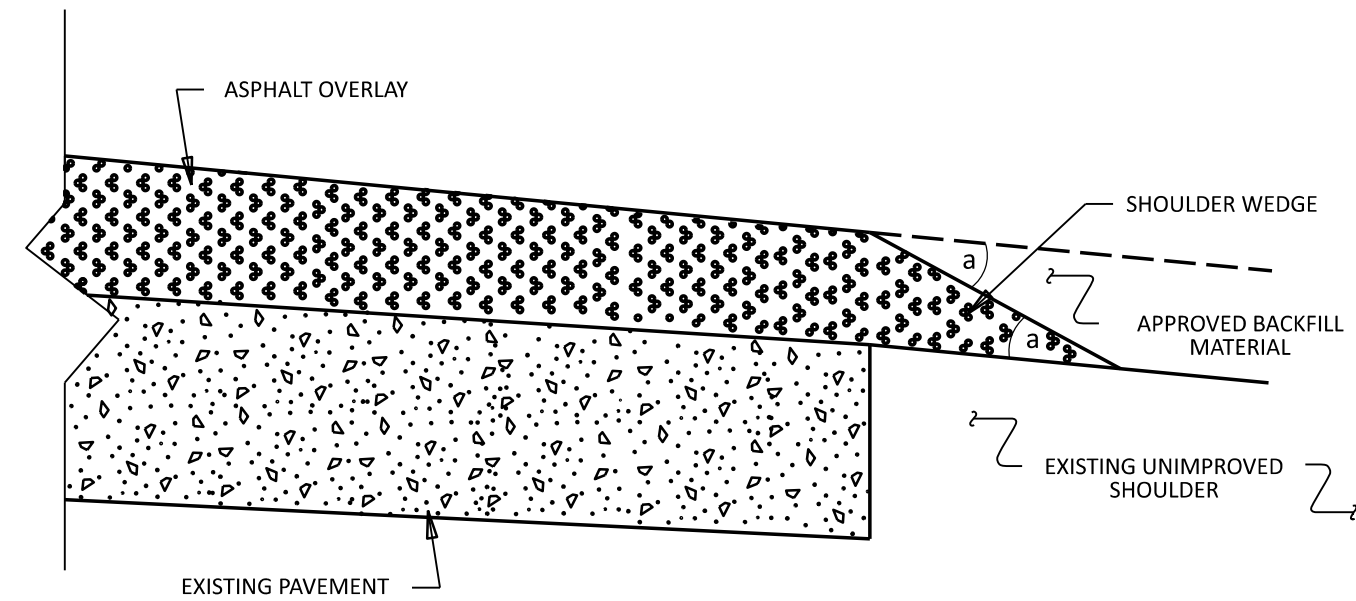
TYPICAL DETAIL OF PROJECT LIMITS AT
UNSIGNALIZED Y LINES

[illegible]

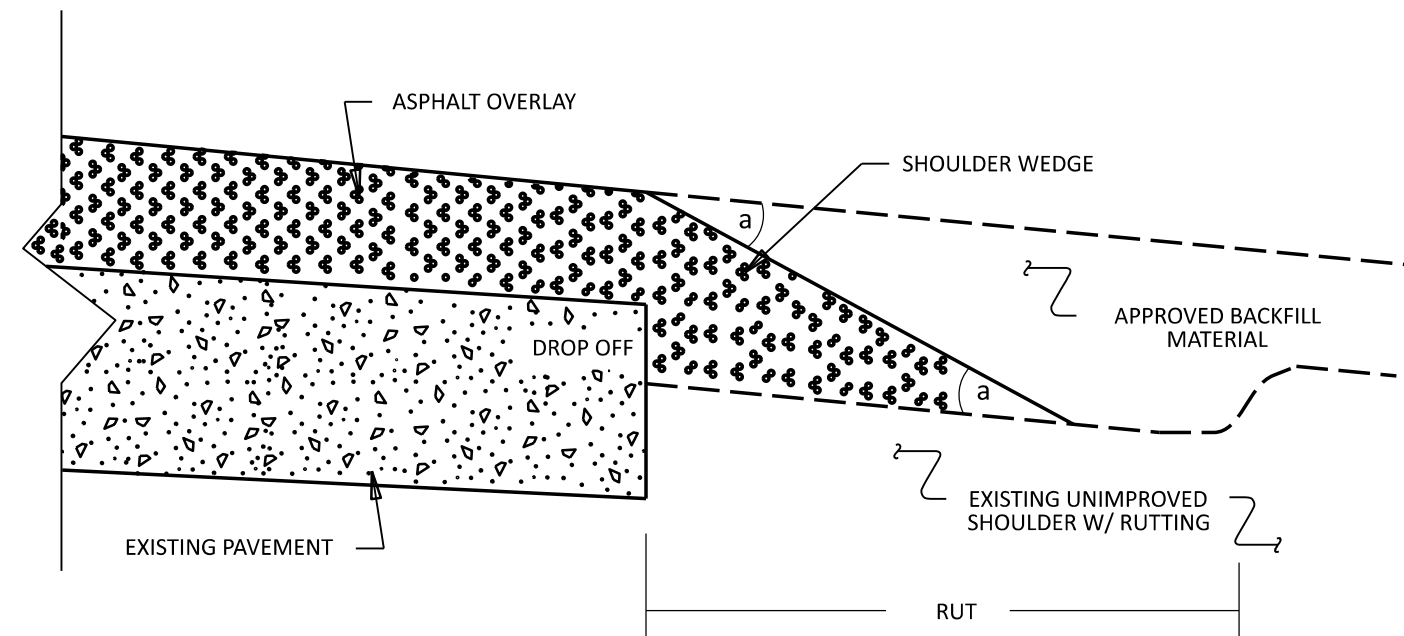


NOTES:
1) DETAIL DOES NOT APPLY TO OGAFc AND ULTRA-THIN BONDED WEARING COURSE.
2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS DIRECTED BY THE ENGINEER.

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.:	s:\usr\details\stand\shoulderwedgedetail.dgn		

PROJECT NO.	SHEET NO.	TOTAL NO.
2026CPT.07.03.20011	17	

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	1297000000-E	1330000000-E	1519000000-E	1575000000-E	1704000000-E	1775000000-E	1838000000-E	2830000000-N	2845000000-N	6000000000-E	6071010000-E	6084000000-E	7990000000-E
											BORROW EXCAVATION	INCIDENTAL STONE	SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	MILLING ASPHALT PAVEMENT, 1 1/2" DEPTH	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 MANHOLES	ADJUSTMENT OF METER BOXES OR VALVE BOXES	TEMPORARY SILT FENCE	WATTLE	SEEDING & MULCHING	INDUCTIVE LOOP SAW CUT (DEEP CUT)
							MI	FT			CY	TONS	SMI	TON	SY	SY	TONS	TON	TONS	SY	GAL	EA	EA	LF	LF	AC	LF
2026CPT.07.03.20011	Alamance	1	SR-1205 / ISLEY LN	FROM SR 1146 - KIRKPATRICK RD TO DEAD END	1	2	0.10	18	0.00	0.10	4	9	0.20	1		308	98	10	75	1,076	355			39	4	0.02	
TOTAL FOR MAP NO. 1							0.10				4	9	0.20	1		308	98	10	75	1,076	355			39	4	0.02	
2026CPT.07.03.20011	Alamance	2	SR-1754 / MCCRAY RD	FROM SR 1001 - UNION RIDGE RD TO NC 49	1	2	5.09	20	0.00	5.09	100	255	9.97	283		1,129	5,722	374	35	61,030	20,140			2,010	201	0.36	
TOTAL FOR MAP NO. 2							5.09				100	255	9.97	283		1,129	5,722	374	35	61,030	20,140			2,010	201	0.36	
2026CPT.07.03.20011	Alamance	3	SR-2147 / MINERAL SPRINGS RD	FROM NC 54 TO SR 2146 - SAXAPAHAW BETHLEHEM CHURCH RD	1	2	2.55	24	0.00	2.55	50	180	5.01	142		400	3,306	223	175	35,424	11,690			1,001	100	0.18	
TOTAL FOR MAP NO. 3							2.55				50	180	5.01	142		400	3,306	223	175	35,424	11,690			1,001	100	0.18	
2026CPT.07.03.20011	Alamance	4	SR 1940 - TROLLINGWOOD RD/GIBSON RD	FROM SR 1928 - JIMMIE KERR RD TO US 70	1,2	2-3	3.85	21	0.00	3.85	90	270	7.23	171	2,663	1,771	5,177	339	54	49,882	16,461		1	1,518	152	0.33	
TOTAL FOR MAP NO. 4							3.85				90	270	7.23	171	2,663	1,771	5,177	339	54	49,882	16,461		1	1,518	152	0.33	
2026CPT.07.03.20011	Alamance	5	SR-2348 / MAJOR HILL RD	FROM SR 2356 - HOLMAN MILL RD TO SR 1003 - LINDLEY MILL RD	1	2	2.86	22	0.00	2.86	42	150	5.58	185		733	3,317	236	420	36,211	11,950			1,116	112	0.15	
TOTAL FOR MAP NO. 5							2.86				42	150	5.58	185		733	3,317	236	420	36,211	11,950			1,116	112	0.15	
2026CPT.07.03.20011	Alamance	6	SR-2132 / COOK ST	FROM SR 2131 - JONES DR TO SR 1007 MEBANE OAKS RD	1	2	1.26	21	0.00	1.26	31	69	2.51	59		363	1,460	99	90	15,943	5,261			502	50	0.11	
TOTAL FOR MAP NO. 6							1.26				31	69	2.51	59		363	1,460	99	90	15,943	5,261			502	50	0.11	
2026CPT.07.03.20011	Alamance	7	SR-2338 / STOCKARD RD	FROM NC 87 TO CUL-DE-SAC	1	2	3.36	21	0.00	3.36	32	165	6.46	244		546	3,824	287	800	41,963	13,848			1,292	129	0.12	
TOTAL FOR MAP NO. 7							3.36				32	165	6.46	244		546	3,824	287	800	41,963	13,848			1,292	129	0.12	
2026CPT.07.03.20011	Alamance	8	SR-2609 / MISTY HOLLOW LN	FROM SR 2121 - JUDGE SHARPE RD TO SR 2610 - LACIE NICHOLE DR	1	2	0.09	19	0.00	0.09	4	9	0.15			158	74	8	75	818	270			29	3	0.01	
TOTAL FOR MAP NO. 8							0.09				4	9	0.15			158	74	8	75	818	270			29	3	0.01	
2026CPT.07.03.20011	Alamance	9	SR-2611 / MISTY HOLLOW CT	FROM SR 2610 - LACIE NICHOLE DR TO CUL-DE-SAC	1	2	0.12	18	0.00	0.12	5	15	0.24	1			153	12	40	1,688	557			48	5	0.02	
TOTAL FOR MAP NO. 9							0.12				5	15	0.24	1			153	12	40	1,688	557			48	5	0.02	
2026CPT.07.03.20011	Alamance	10	SR-2287 / GOLDEN OAKS DR	FROM SR 2121 - JUDGE SHARPE RD TO CUL-DE-SAC	1	2	0.30	19	0.00	0.30	15	57	0.61			188	367	32	175	3,910	1,290			122	12	0.06	
TOTAL FOR MAP NO. 10							0.30				15	57	0.61			188	367	32	175	3,910	1,290			122	12	0.06	
2026CPT.07.03.20011	Alamance	11	SR-2610 / LACY NICHOLE DR	FROM SR 2287 - GOLDEN OAKS DR TO CUL-DE-SAC	1	2	0.28	19	0.00	0.28	12	27	0.56	4			354	28	100	3,510	1,158			113	11	0.04	
TOTAL FOR MAP NO. 11							0.28				12	27	0.56	4			354	28	100	3,510	1,158			113	11	0.04	
2026CPT.07.03.20011	Alamance	12	SR-2627 / SHELLY GRAHAM DR	FROM SR 2116 - PREACHER HOLMES RD TO CUL-DE-SAC	1	2	0.68	20	0.00	0.68	33		1.33			167	796	63	225	8,200	2,706			266	27	0.12	
TOTAL FOR MAP NO. 12							0.68				33		1.33			167	796	63	225	8,200	2,706			266	27	0.12	
2026CPT.07.03.20011	Alamance	13	SR-2629 / LAZY LN	FROM SR 2627 - SHELLY GRAHAM DR TO CUL-DE-SAC	1	2	0.07	19	0.00	0.07	3		0.12				92	7	30	1,019	336			25	2	0.01	
TOTAL FOR MAP NO. 13							0.07				3		0.12				92	7	30	1,019	336			25	2	0.01	
2026CPT.07.03.20011	Alamance	14	SR-2630 / BYERS CT	FROM SR 2627 - SHELLY GRAHAM DR TO CUL-DE-SAC	1	2	0.06	18	0.00	0.06	3		0.11				82	6	20	899	297			22	2	0.01	
TOTAL FOR MAP NO. 14							0.06				3		0.11				82	6	20	899	297			22	2	0.01	
2026CPT.07.03.20011	Alamance	15	SR-2628 / WILLIAM NEWLIN DR	FROM SR 2627 - SHELLY GRAHAM DR TO SR 2632 - MATTIE FLORENCE DR	1	2	0.30	21	0.00	0.30	14		0.55				331	25	80	3,427	1,131			111	11	0.05	
TOTAL FOR MAP NO. 15							0.30				14		0.55				331	25	80	3,427	1,131			111	11	0.05	
2026CPT.07.03.20011	Alamance	16	SR-2632 / MATTIE FLORENCE DR	FROM CUL-DE-SAC TO CUL-DE-SAC	1	2	0.84	19	0.00	0.84	42		1.70				994	71	135	10,461	3,452			340	34	0.15	
TOTAL FOR MAP NO. 16							0.84				42		1.70				994	71	135	10,461	3,452			340	34	0.15	
2026CPT.07.03.20011	Alamance	17	SR-2633 / VARNALS CT	FROM SR 2632 - MATTIE FLORENCE DR TO CUL-DE-SAC	1	2	0.09	19	0.00	0.09	4		0.16				116	9	20	1,280	423			33	3	0.01	
TOTAL FOR MAP NO. 17							0.09				4		0.16				116	9	20	1,280	423			33	3	0.01	
2026CPT.07.03.20011	Alamance	18	SR-2651 / STANTON CT	FROM SR 2632 - MATTIE FLORENCE DR TO CUL-DE-SAC	1	2	0.13	19	0.00	0.13	6		0.24				158	12	40	1,743	575			49	5	0.02	
TOTAL FOR MAP NO. 18							0.13				6		0.24				158	12	40	1,743	575			49	5	0.02	
2026CPT.07.03.20011	Alamance	19	SR-2231 / WOODSIDE AVE	FROM SR 2158 - SWEPSONVILLE SAXAPAHAW RD TO CUL-DE-SAC	1	2	0.82	19	0.00	0.82	35	60	1.58	7		163	878	69	250	9,499	3,135			315	32	0.13	
TOTAL FOR MAP NO. 19							0.82				35	60	1.58	7		163	878	69	250	9,499	3,135			315	32	0.13	
2026CPT.07.03.20011	Alamance	20	SR-2232 / OAKRIDGE DR	FROM SR 2231 - WOODSIDE AV TO SR 2231 - WOODSIDE AV	1	2	0.22	19	0.00	0.22	9	24	0.44	4			222	19	100	2,444	806			87	9	0.03	
TOTAL FOR MAP NO. 20							0.22				9	24	0.44	4			222	19	100	2,444	806			87	9	0.03	
2026CPT.07.03.20011	Alamance	21	SR-1455 / E HAGGARD AVE	FROM NC 87 TO SR 1323 - OAK ST	1,2	2-3	1.32	24	0.00	1.32	34	75	1.61	11	13,055	1,796	2,370	156	40	13,555	4,473	10	12	322	32	0.12	816
TOTAL FOR MAP NO. 21							1.32				34	75	1.61	11	13,055	1,796	2,370	156	40	13,555	4,473	10	12	322	32	0.12	816

NOTE: All Quantities listed include turn lanes and are estimates; Payment will be based on actual field measurements and quantities received.

PROJECT NO.	SHEET NO.	TOTAL NO.
2026CPT.07.03.20011	18	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LENGTH	WIDTH	BEGIN MP	END MP	0106000000-E BORROW EXCAVATION	1220000000-E INCIDENTAL STONE	1245000000-E SHOULDER RECONSTRUCTION	1260000000-E AGGREGATE SHOULDER BORROW	1297000000-E MILLING ASPHALT PAVEMENT, 1 1/2" DEPTH	1330000000-E INCIDENTAL MILLING	1519000000-E ASPHALT CONC SURFACE COURSE, TYPE S9.5B	1575000000-E ASPHALT BINDER FOR PLANT MIX	1704000000-E PATCHING EXISTING PAVEMENT	1775000000-E ASPHALT SURFACE TREATMENT, MAT COAT, #78M STONE	1838000000-E EMULSION FOR ASPHALT SURFACE TREATMENT	2830000000-N ADJUSTMENT OF MANHOLES	2845000000-N ADJUSTMENT OF METER BOXES OR VALVE BOXES	6000000000-E TEMPORARY SILT FENCE	6071010000-E WATTLE	6084000000-E SEEDING & MULCHING	7990000000-E INDUCTIVE LOOP SAW CUT (DEEP CUT)
							MI	FT			CY	TONS	SMI	TON	SY	SY	TONS	TON	TONS	SY	GAL	EA	EA	LF	LF	AC	LF
2026CPT.07.03.20011	Alamance	22	SR-1633 / HAMILTON RD	FROM SR 1597 - GREENWOOD DR TO DEAD END	1	2	0.24	20	0.00	0.24	11	9	0.45			167	252	20	80	2,639	871			89	9	0.04	
TOTAL FOR MAP NO. 22							0.24				11	9	0.45			167	252	20	80	2,639	871			89	9	0.04	
2026CPT.07.03.20011	Alamance	23	SR-1625 / DOGWOOD ST	FROM DEAD END TO DEAD END	1	2	0.36	20	0.00	0.36	17	24	0.70	2			411	31	85	4,126	1,361			140	14	0.06	
TOTAL FOR MAP NO. 23							0.36				17	24	0.70	2			411	31	85	4,126	1,361			140	14	0.06	
2026CPT.07.03.20011	Alamance	24	SR-1634 / CARLTON AVE	FROM END PVMT TO DEAD END	1	2	0.26	20	0.00	0.26	13	48	0.53	1			292	21	45	3,119	1,029			106	11	0.05	
TOTAL FOR MAP NO. 24							0.26				13	48	0.53	1			292	21	45	3,119	1,029			106	11	0.05	
2026CPT.07.03.20011	Alamance	25	SR-1624 / BEVERLY RD	FROM SR 1597 - GREENWOOD DR TO SR 1634 - CARLTON AV	1	2	0.16	19	0.00	0.16	7	3	0.27			167	142	13	75	1,567	517			54	5	0.02	
TOTAL FOR MAP NO. 25							0.16				7	3	0.27			167	142	13	75	1,567	517			54	5	0.02	
2026CPT.07.03.20011	Alamance	26	SR-1673 / ELON CT	FROM SR 1672 - SPRINGFIELD DR TO CUL-DE-SAC	1	2	0.03	20	0.00	0.03	2		0.06				55	4		608	201			12	1	0.01	
TOTAL FOR MAP NO. 26							0.03				2		0.06				55	4		608	201			12	1	0.01	
2026CPT.07.03.20011	Alamance	27	SR-1672 / SPRINGFIELD DR	FROM SR 1504 - ELON OSSIPEE RD TO CUL-DE-SAC	1	2	0.29	20	0.00	0.29	12	12	0.53	3		667	334	23	30	3,343	1,103			106	11	0.04	
TOTAL FOR MAP NO. 27							0.29				12	12	0.53	3		667	334	23	30	3,343	1,103			106	11	0.04	
2026CPT.07.03.20011	Alamance	28	SR-1674 / WIMBSLEY DR	FROM SR 1672 - SPRINGFIELD DR TO SR 1676 - BARRINGTON RD	1	2	0.14	20	0.00	0.14	6		0.24				151	10	10	1,478	488			49	5	0.02	
TOTAL FOR MAP NO. 28							0.14				6		0.24				151	10	10	1,478	488			49	5	0.02	
2026CPT.07.03.20011	Alamance	29	SR-1676 / BARRINGTON RD	FROM SR 1504 - ELON OSSIPEE RD TO DEAD END	1	2	0.15	21	0.00	0.15	5	15	0.29	5		175	183	12	10	1,784	589			58	6	0.02	
TOTAL FOR MAP NO. 29							0.15				5	15	0.29	5		175	183	12	10	1,784	589			58	6	0.02	
2026CPT.07.03.20011	Alamance	30	SR-1675 / BARTON CT	FROM SR 1674 - WIMBSLEY DR TO CUL- DE-SAC	1	2	0.05	20	0.00	0.05	2	3	0.09				68	5	15	754	249			18	2	0.01	
TOTAL FOR MAP NO. 30							0.05				2	3	0.09				68	5	15	754	249			18	2	0.01	
2026CPT.07.03.20011	Alamance	31	SR-1677 / INDIAN VALLEY DR	FROM SR 1597 - GREENWOOD DR TO SR 1597 - GREENWOOD DR	1	2	1.14	21	0.00	1.14	37	21	2.27	38		350	1,305	87	40	14,083	4,648			455	45	0.13	
TOTAL FOR MAP NO. 31							1.14				37	21	2.27	38		350	1,305	87	40	14,083	4,648			455	45	0.13	
2026CPT.07.03.20011	Alamance	32	SR-1678 / WHISPERING WIND RD	FROM SR 1677 - INDIAN VALLEY DR TO SR 1677 - INDIAN VALLEY DR	1	2	0.26	20	0.00	0.26	6	3	0.51	12			275	19	15	3,030	1,000			103	10	0.02	
TOTAL FOR MAP NO. 32							0.26				6	3	0.51	12			275	19	15	3,030	1,000			103	10	0.02	
2026CPT.07.03.20011	Alamance	33	SR-1679 / HIAWATHA PL	FROM SR 1677 - INDIAN VALLEY DR TO EOM	1	2	0.08	20	0.00	0.08	4	3	0.17				105	8	20	1,017	336			34	3	0.02	
TOTAL FOR MAP NO. 33							0.08				4	3	0.17				105	8	20	1,017	336			34	3	0.02	
2026CPT.07.03.20011	Alamance	34	SR-1680 / HIAWATHA CT	FROM SR 1679 - HIAWATHA PL TO CUL- DE-SAC	1	2	0.09	20	0.00	0.09	5	12	0.18				115	8	20	1,273	420			36	4	0.02	
TOTAL FOR MAP NO. 34							0.09				5	12	0.18				115	8	20	1,273	420			36	4	0.02	
2026CPT.07.03.20011	Alamance	35	SR-1652 / SNUG HARBOR RD	FROM SR 1597 - GREENWOOD DR TO SR 1598 - ISLEY SCHOOL RD	1	2	0.29	20	0.00	0.29	9	12	0.54	8		354	308	22	45	3,270	1,079			108	11	0.03	
TOTAL FOR MAP NO. 35							0.29				9	12	0.54	8		354	308	22	45	3,270	1,079			108	11	0.03	
2026CPT.07.03.20011	Alamance	36	SR-1653 / YAMOTA DR	FROM SR 1652 - SNUG HARBOR RD TO END PVMT	1	2	0.25	17	0.00	0.25	7	15	0.50	9			239	17	40	2,638	871			99	10	0.03	
TOTAL FOR MAP NO. 36							0.25				7	15	0.50	9			239	17	40	2,638	871			99	10	0.03	
2026CPT.07.03.20011	Alamance	37	SR-2701 / GORDON ST	FROM SR 1520 - RIVERVIEW DR TO SR 1530 - BURCH BRIDGE RD	1	2	0.32	20	0.00	0.32	8	45	0.61	14		167	327	24	65	3,600	1,188			122	12	0.03	
TOTAL FOR MAP NO. 37							0.32				8	45	0.61	14		167	327	24	65	3,600	1,188			122	12	0.03	
2026CPT.07.03.20011	Alamance	38	SR-1521 / ST REGIS DR	FROM SR 1520 - RIVERVIEW DR TO SR 1530 - BURCH BRIDGE RD	1	2	0.34	20	0.00	0.34	11	60	0.65	9		167	370	26	40	3,813	1,258			129	13	0.04	
TOTAL FOR MAP NO. 38							0.34				11	60	0.65	9		167	370	26	40	3,813	1,258			129	13	0.04	
2026CPT.07.03.20011	Alamance	39	SR-1520 / RIVERVIEW DR	FROM SR 1529 - DURHAM ST EXT TO SR 2701 - GORDON ST	1	2	0.26	20	0.00	0.26	5	36	0.49	14		167	297	21	25	2,885	952	1		98	10	0.02	
TOTAL FOR MAP NO. 39							0.26				5	36	0.49	14		167	297	21	25	2,885	952	1		98	10	0.02	
2026CPT.07.03.20011	Alamance	40	SR-1519 / PINECROFT DR	FROM SR 1521 - ST REGIS DR TO SR 1516 - POLLARD AV	1	2	0.38	20	0.00	0.38	11	78	0.72	14			384	27	35	4,226	1,395	1		143	14	0.04	
TOTAL FOR MAP NO. 40							0.38				11	78	0.72	14			384	27	35	4,226	1,395	1		143	14	0.04	
2026CPT.07.03.20011	Alamance	41	SR-1516 / POLLARD AVE	FROM SR 1530 - BURCH BRIDGE RD TO SR 1529 - DURHAM ST EXT	1	2	0.37	19	0.00	0.37	15	75	0.72	5		325	402	28	35	4,165	1,374	1	2	145	14	0.06	
TOTAL FOR MAP NO. 41							0.37				15	75	0.72	5		325	402	28	35	4,165	1,374	1	2	145	14	0.06	
TOTAL FOR PROJ NO. 2026CPT.07.03.20011							29.85				761	1,839	56.88	1,246	15,718	10,428	35,906	2,511	3,709	367,400	121,243	13	15	11,464	1,146	2.76	816
GRAND TOTAL							29.85				761	1,839	56.88	1,246	15,718	10,428	35,906	2,511	3,709	367,400	121,243	13	15	11,464	1,146	2.76	816

NOTE: All Quantities listed include turn lanes and are estimates; Payment will be based on actual field measurements and quantities received.

PROJECT NO.	SHEET NO.	TOTAL NO.
2026CPT.07.03.20011	19	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LENGTH	WIDTH	BEGIN MP	END MP	4413000000-E	TEMPORARY TRAFFIC CONTROL	4685000000-E	4688000000-E	4695000000-E	4704000000-E	4709000000-E	4720000000-E				4725000000-E			4810000000-E		4835000000-E	4845000000-N		
											WORK ZONE ADVANCE/ GENERAL WARNING SIGNING		4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	6" X 90 M WHITE THERMO	8" X 90 M WHITE THERMO	8" X 90 M YELLOW THERMO	16" X 90 M WHITE THERMO	24" X 90 M WHITE THERMO	THERMO MSG STOP 90 M	THERMO MSG AHEAD 90 M	THERMO RXR 90 M	THERMO MSG SCHOOL 90 M	THERMO LT ARROW 90 M	THERMO STR ARROW 90 M	THERMO RT ARROW 90 M	4" WHITE PAINT	4" YELLOW PAINT	24" WHITE PAINT	PAIN LT ARROW
							MI	FT			SF		LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
2026CPT.07.03.20011	Alamance	1	SR-1205 / ISLEY LN	FROM SR 1146 - KIRKPATRICK RD TO DEAD END	1	2	0.10	18	0.00	0.10		1.00																		
TOTAL FOR MAP NO. 1							0.10																							
2026CPT.07.03.20011	Alamance	2	SR-1754 / MCCRAY RD	FROM SR 1001 - UNION RIDGE RD TO NC 49	1	2	5.09	20	0.00	5.09	570		53,500	48,500	250				8	10										
TOTAL FOR MAP NO. 2							5.09				570		53,500	48,500	250				8	10										
2026CPT.07.03.20011	Alamance	3	SR-2147 / MINERAL SPRINGS RD	FROM NC 54 TO SR 2146 - SAXAPAHAW BETHLEHEM CHURCH RD	1	2	2.55	24	0.00	2.55	286		28,000	22,000	150															
TOTAL FOR MAP NO. 3							2.55				286		28,000	22,000	150															
2026CPT.07.03.20011	Alamance	4	SR 1940 - TROLLINGWOOD RD/GIBSON RD	FROM SR 1928 - JIMMIE KERR RD TO US 70	1,2	2-3	3.85	21	0.00	3.85	431		42,000	40,000	500	300	300	100	400	24	15	4								
TOTAL FOR MAP NO. 4							3.85				431		42,000	40,000	500	300	300	100	400	24	15	4								
2026CPT.07.03.20011	Alamance	5	SR-2348 / MAJOR HILL RD	FROM SR 2356 - HOLMAN MILL RD TO SR 1003 - LINDLEY MILL RD	1	2	2.86	22	0.00	2.86	320		30,000	28,000	50					4	5									
TOTAL FOR MAP NO. 5							2.86				320		30,000	28,000	50					4	5									
2026CPT.07.03.20011	Alamance	6	SR-2132 / COOK ST	FROM SR 2131 - JONES DR TO SR 1007 - MEBANE OAKS RD	1	2	1.26	21	0.00	1.26			13,500	10,350	50															
TOTAL FOR MAP NO. 6							1.26						13,500	10,350	50															
2026CPT.07.03.20011	Alamance	7	SR-2338 / STOCKARD RD	FROM NC 87 TO CUL-DE-SAC	1	2	3.36	21	0.00	3.36	376		34,500	33,000	50															
TOTAL FOR MAP NO. 7							3.36				376		34,500	33,000	50															
2026CPT.07.03.20011	Alamance	8	SR-2609 / MISTY HOLLOW LN	FROM SR 2121 - JUDGE SHARPE RD TO SR 2610 - LACIE NICHOLE DR	1	2	0.09	19	0.00	0.09																				
TOTAL FOR MAP NO. 8							0.09																							
2026CPT.07.03.20011	Alamance	9	SR-2611 / MISTY HOLLOW CT	FROM SR 2610 - LACIE NICHOLE DR TO CUL-DE-SAC	1	2	0.12	18	0.00	0.12																				
TOTAL FOR MAP NO. 9							0.12																							
2026CPT.07.03.20011	Alamance	10	SR-2287 / GOLDEN OAKS DR	FROM SR 2121 - JUDGE SHARPE RD TO CUL-DE-SAC	1	2	0.30	19	0.00	0.30																				
TOTAL FOR MAP NO. 10							0.30																							
2026CPT.07.03.20011	Alamance	11	SR-2610 / LACY NICHOLE DR	FROM SR 2287 - GOLDEN OAKS DR TO CUL-DE-SAC	1	2	0.28	19	0.00	0.28																				
TOTAL FOR MAP NO. 11							0.28																							
2026CPT.07.03.20011	Alamance	12	SR-2627 / SHELLY GRAHAM DR	FROM SR 2116 - PREACHER HOLMES RD TO CUL-DE-SAC	1	2	0.68	20	0.00	0.68																				
TOTAL FOR MAP NO. 12							0.68																							
2026CPT.07.03.20011	Alamance	13	SR-2629 / LAZY LN	FROM SR 2627 - SHELLY GRAHAM DR TO CUL-DE-SAC	1	2	0.07	19	0.00	0.07																				
TOTAL FOR MAP NO. 13							0.07																							
2026CPT.07.03.20011	Alamance	14	SR-2630 / BYERS CT	FROM SR 2627 - SHELLY GRAHAM DR TO CUL-DE-SAC	1	2	0.06	18	0.00	0.06																				
TOTAL FOR MAP NO. 14							0.06																							
2026CPT.07.03.20011	Alamance	15	SR-2628 / WILLIAM NEWLIN DR	FROM SR 2627 - SHELLY GRAHAM DR TO SR 2632 - MATTIE FLORENCE DR	1	2	0.30	21	0.00	0.30																				
TOTAL FOR MAP NO. 15							0.30																							
2026CPT.07.03.20011	Alamance	16	SR-2632 / MATTIE FLORENCE DR	FROM CUL-DE-SAC TO CUL-DE-SAC	1	2	0.84	19	0.00	0.84																				
TOTAL FOR MAP NO. 16							0.84																							
2026CPT.07.03.20011	Alamance	17	SR-2633 / VARNALS CT	FROM SR 2632 - MATTIE FLORENCE DR TO CUL-DE-SAC	1	2	0.09	19	0.00	0.09																				
TOTAL FOR MAP NO. 17							0.09																							
2026CPT.07.03.20011	Alamance	18	SR-2651 / STANTON CT	FROM SR 2632 - MATTIE FLORENCE DR TO CUL-DE-SAC	1	2	0.13	19	0.00	0.13																				
TOTAL FOR MAP NO. 18							0.13																							
2026CPT.07.03.20011	Alamance	19	SR-2231 / WOODSIDE AVE	FROM SR 2158 - SWEPSONVILLE SAXAPAHAW RD TO CUL-DE-SAC	1	2	0.82	19	0.00	0.82																				
TOTAL FOR MAP NO. 19							0.82																							
2026CPT.07.03.20011	Alamance	20	SR-2232 / OAKRIDGE DR	FROM SR 2231 - WOODSIDE AV TO SR 2231 - WOODSIDE AV	1	2	0.22	19	0.00	0.22																				
TOTAL FOR MAP NO. 20							0.22																							
2026CPT.07.03.20011	Alamance	21	SR-1455 / E HAGGARD AVE	FROM NC 87 TO SR 1323 - OAK ST	1,2	2-3	1.32	24	0.00	1.32			9,500	16,000	75		250		110			6	20	2	3	500	10,500	26	11	
TOTAL FOR MAP NO. 21							1.32						9,500	16,000	75		250		110			6	20	2	3	500	10,500	26	11	

NOTE: All Quantities listed include turn lanes and are estimates; Payment will be based on actual field measurements and quantities received.

PROJECT NO.	SHEET NO.	TOTAL NO.
2026CPT.07.03.20011	20	

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	4695000000-E	4704000000-E	4709000000-E	4720000000-E				4725000000-E			4810000000-E		4835000000-E	4845000000-N		
							MI	FT							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	8" X 90 M WHITE THERMO	8" X 90 M YELLOW THERMO	16" X 90 M WHITE THERMO	24" X 90 M WHITE THERMO	THERMO MSG STOP 90 M	THERMO MSG AHEAD 90 M	THERMO RXR 90 M	THERMO MSG SCHOOL 90 M	THERMO LT ARROW 90 M	THERMO STR ARROW 90 M	THERMO RT ARROW 90 M
2026CPT.07.03.20011	Alamance	22	SR-1633 / HAMILTON RD	FROM SR 1597 - GREENWOOD DR TO DEAD END	1	2	0.24	20	0.00	0.24			LS	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
TOTAL FOR MAP NO. 22							0.24																							
2026CPT.07.03.20011	Alamance	23	SR-1625 / DOGWOOD ST	FROM DEAD END TO DEAD END	1	2	0.36	20	0.00	0.36																				
TOTAL FOR MAP NO. 23							0.36																							
2026CPT.07.03.20011	Alamance	24	SR-1634 / CARLTON AVE	FROM END PVMT TO DEAD END	1	2	0.26	20	0.00	0.26																				
TOTAL FOR MAP NO. 24							0.26																							
2026CPT.07.03.20011	Alamance	25	SR-1624 / BEVERLY RD	FROM SR 1597 - GREENWOOD DR TO SR 1634 - CARLTON AV	1	2	0.16	19	0.00	0.16																				
TOTAL FOR MAP NO. 25							0.16																							
2026CPT.07.03.20011	Alamance	26	SR-1673 / ELON CT	FROM SR 1672 - SPRINGFIELD DR TO CUL-DE-SAC	1	2	0.03	20	0.00	0.03																				
TOTAL FOR MAP NO. 26							0.03																							
2026CPT.07.03.20011	Alamance	27	SR-1672 / SPRINGFIELD DR	FROM SR 1504 - ELON OSSIPEE RD TO CUL-DE-SAC	1	2	0.29	20	0.00	0.29				2,800	2,500	50														
TOTAL FOR MAP NO. 27							0.29							2,800	2,500	50														
2026CPT.07.03.20011	Alamance	28	SR-1674 / WIMBSLEY DR	FROM SR 1672 - SPRINGFIELD DR TO SR 1676 - BARRINGTON RD	1	2	0.14	20	0.00	0.14																				
TOTAL FOR MAP NO. 28							0.14																							
2026CPT.07.03.20011	Alamance	29	SR-1676 / BARRINGTON RD	FROM SR 1504 - ELON OSSIPEE RD TO DEAD END	1	2	0.15	21	0.00	0.15																				
TOTAL FOR MAP NO. 29							0.15																							
2026CPT.07.03.20011	Alamance	30	SR-1675 / BARTON CT	FROM SR 1674 - WIMBSLEY DR TO CUL-DE-SAC	1	2	0.05	20	0.00	0.05																				
TOTAL FOR MAP NO. 30							0.05																							
2026CPT.07.03.20011	Alamance	31	SR-1677 / INDIAN VALLEY DR	FROM SR 1597 - GREENWOOD DR TO SR 1597 - GREENWOOD DR	1	2	1.14	21	0.00	1.14				12,300	12,000	30														
TOTAL FOR MAP NO. 31							1.14							12,300	12,000	30														
2026CPT.07.03.20011	Alamance	32	SR-1678 / WHISPERING WIND RD	FROM SR 1677 - INDIAN VALLEY DR TO SR 1677 - INDIAN VALLEY DR	1	2	0.26	20	0.00	0.26																				
TOTAL FOR MAP NO. 32							0.26																							
2026CPT.07.03.20011	Alamance	33	SR-1679 / HIAWATHA PL	FROM SR 1677 - INDIAN VALLEY DR TO EOM	1	2	0.08	20	0.00	0.08																				
TOTAL FOR MAP NO. 33							0.08																							
2026CPT.07.03.20011	Alamance	34	SR-1680 / HIAWATHA CT	FROM SR 1679 - HIAWATHA PL TO CUL-DE-SAC	1	2	0.09	20	0.00	0.09																				
TOTAL FOR MAP NO. 34							0.09																							
2026CPT.07.03.20011	Alamance	35	SR-1652 / SNUG HARBOR RD	FROM SR 1597 - GREENWOOD DR TO SR 1598 - ISLEY SCHOOL RD	1	2	0.29	20	0.00	0.29				3,000	3,000	30														
TOTAL FOR MAP NO. 35							0.29							3,000	3,000	30														
2026CPT.07.03.20011	Alamance	36	SR-1653 / YAMOTA DR	FROM SR 1652 - SNUG HARBOR RD TO END PVMT	1	2	0.25	17	0.00	0.25																				
TOTAL FOR MAP NO. 36							0.25																							
2026CPT.07.03.20011	Alamance	37	SR-2701 / GORDON ST	FROM SR 1520 - RIVERVIEW DR TO SR 1530 - BURCH BRIDGE RD	1	2	0.32	20	0.00	0.32																				
TOTAL FOR MAP NO. 37							0.32																							
2026CPT.07.03.20011	Alamance	38	SR-1521 / ST REGIS DR	FROM SR 1520 - RIVERVIEW DR TO SR 1530 - BURCH BRIDGE RD	1	2	0.34	20	0.00	0.34				3,500	3,500	50														
TOTAL FOR MAP NO. 38							0.34							3,500	3,500	50														
2026CPT.07.03.20011	Alamance	39	SR-1520 / RIVERVIEW DR	FROM SR 1529 - DURHAM ST EXT TO SR 2701 - GORDON ST	1	2	0.26	20	0.00	0.26																				
TOTAL FOR MAP NO. 39							0.26																							
2026CPT.07.03.20011	Alamance	40	SR-1519 / PINECROFT DR	FROM SR 1521 - ST REGIS DR TO SR 1516 - POLLARD AV	1	2	0.38	20	0.00	0.38																				
TOTAL FOR MAP NO. 40							0.38																							
2026CPT.07.03.20011	Alamance	41	SR-1516 / POLLARD AVE	FROM SR 1530 - BURCH BRIDGE RD TO SR 1529 - DURHAM ST EXT	1	2	0.37	19	0.00	0.37				3,900	3,800	50														
TOTAL FOR MAP NO. 41							0.37							3,900	3,800	50														
TOTAL FOR PROJ NO. 2026CPT.07.03.20011											1,983	1.00	236,500	222,650	1,335	300	550	100	510	36	30	4	6	20	2	3	500	10,500	26	11
													459,150			850				76				25			11,000			
GRAND TOTAL							29.85				1,983	1.00	236,500	222,650	1,335	300	550	100	510	36	30	4	6	20	2	3	500	10,500	26	11
													459,150			850				76				25			11,000			

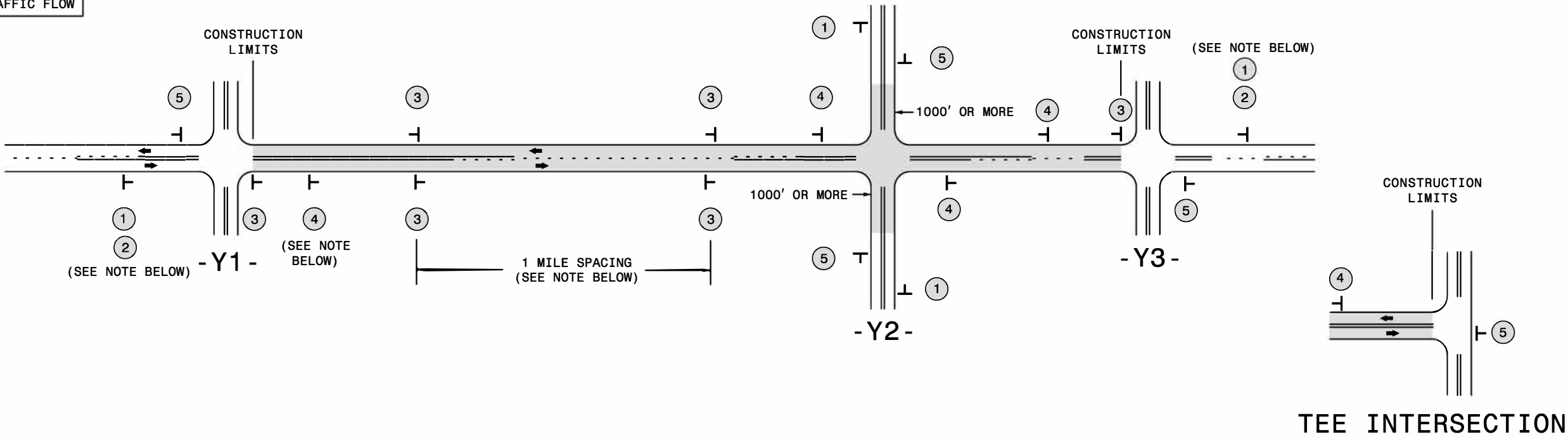
NOTE: All Quantities listed include turn lanes and are estimates; Payment will be based on actual field measurements and quantities received.

SIGNING FOR RESURFACING PROJECTS

LEGEND

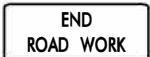
└ STATIONARY SIGN

➔ DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1  W20-1 48" X 48" 2  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 CONSTRUCTION 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, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.
	3  SP 13107 48" X 48" - PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART 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. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.	 W20-1 48" X 48" PLACED 500' IN ADVANCE OF FLAGGER.  W20-7 A 48" X 48" PLACED 250' IN ADVANCE OF FLAGGER.
	5  G20-2 A 48" X 24" PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.	
	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.	

LESS 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.
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AD



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

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

BMP Options: Wattle or Silt Fence

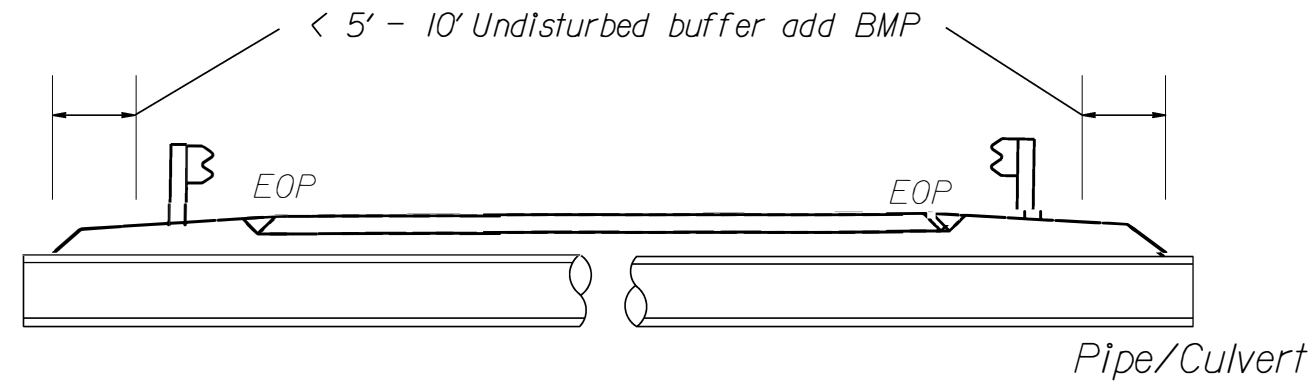
EROSION CONTROL DETAIL

PROJECT REFERENCE NO.

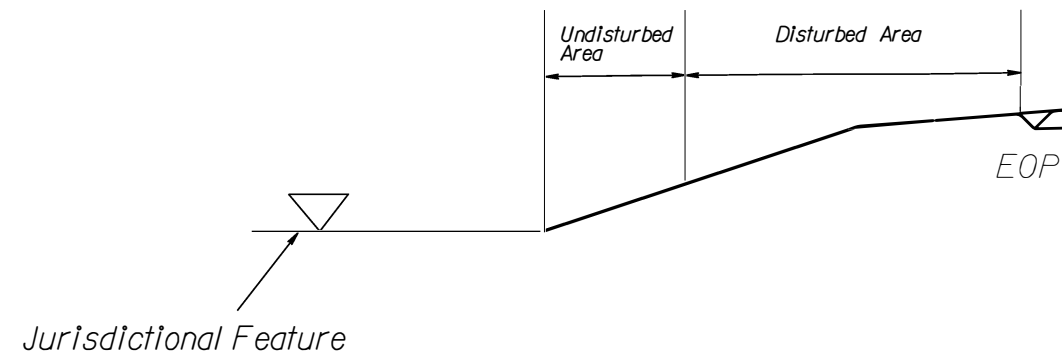
2026CPT.07.03.20011

SHEET NO.

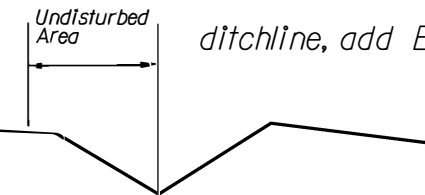
EC-1



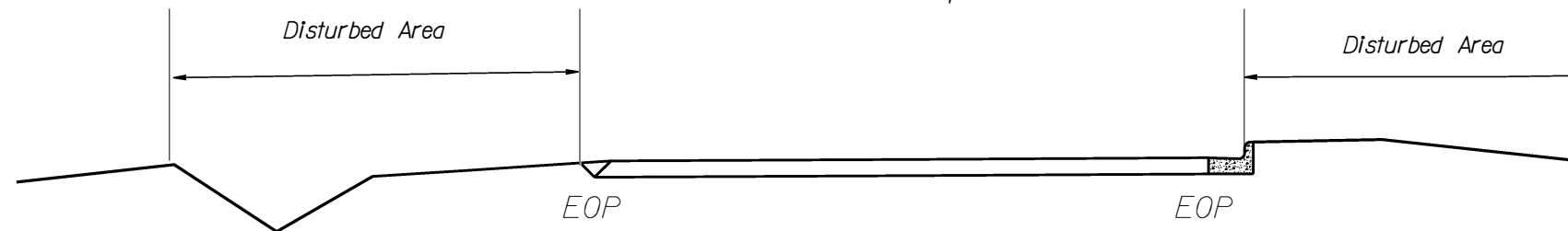
< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP



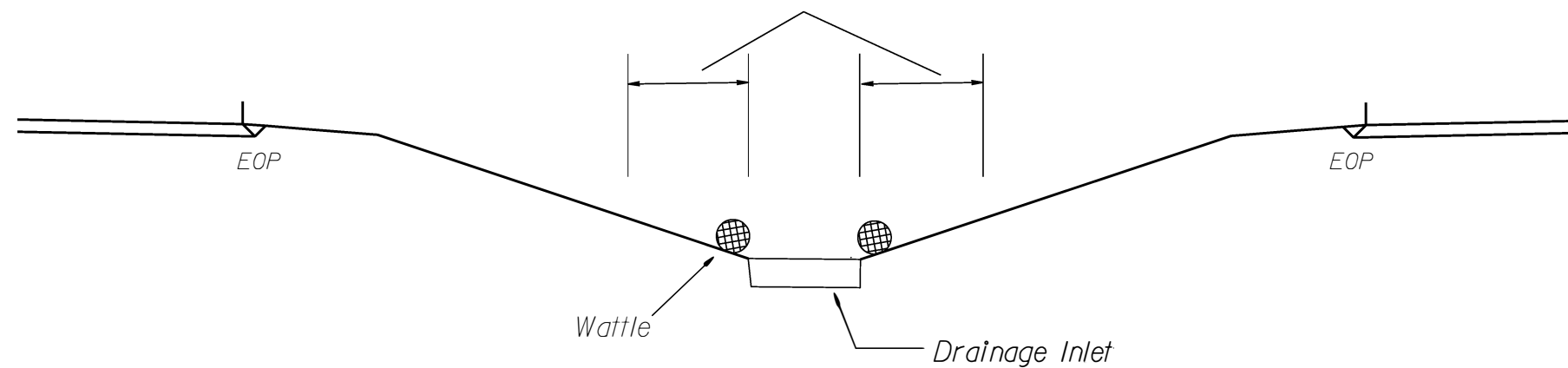
< 5' - 10' Undisturbed buffer from ditchline, add BMP



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

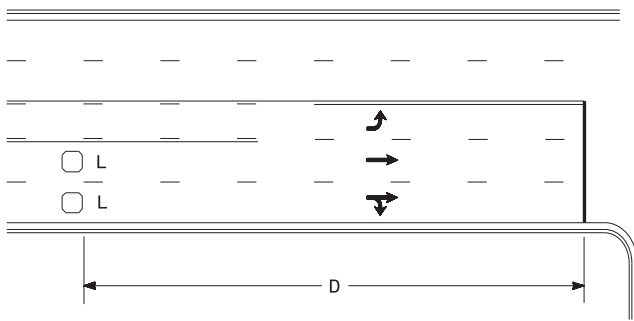


NOT TO SCALE

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.	NOTES -OVERLAP SAW CUTS AT CORNERS AND INTERSECTION POINTS TO ENSURE UNIFORM SAW SLOT DEPTH. -MAINTAIN 12" SPACING BETWEEN LOOP WIRE TAIL SECTIONS. -WIRE LOOPS CONNECTED TO THE SAME DETECTOR IN SERIES. -LOCATE LOOPS IN CENTER OF LANES UNLESS OTHERWISE SHOWN ON PLANS. -USE A SERIES OF ONE INCH PIECES OF BACKER ROD SPACED ONE FOOT APART ALONG THE ENTIRE LENGTH OF THE FEEDER SLOT AND LOOP SAW SLOT. -CONSULT LOOP SEALANT MANUFACTURER TO DETERMINE CURING TIME REQUIRED PRIOR TO MILLING. -REFER TO STANDARD DRAWING 1725.01 SHEETS 2 AND 3 FOR ADDITIONAL REQUIREMENTS.	CONVENTIONAL 4-SIDED LOOP		STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.																							
		SAW CUT OPTIONS OPTION 1 OPTION 2 (POOR PAVEMENT) LOOP WINDING METHOD WHEN INSTALLING 2 OR MORE LOOPS IN ADJACENT LANES, WIND LOOPS IN ALTERNATE DIRECTIONS 																									
ENGLISH STANDARD DRAWING FOR DEEP-CUT INDUCTIVE DETECTION LOOPS (FOR INSTALLATION PRIOR TO MILLING)	SAW SLOT DEPTH CHART ASSUMING 2" MILLING DEPTH <table><thead><tr><th rowspan="2">DEPTH (IN)</th><th colspan="5">MAX NO. OF WIRE LAYERS</th></tr><tr><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th></tr></thead><tbody><tr><td>SAW SLOT DEPTH</td><td>4.0</td><td>4.5</td><td>5.0</td><td>5.0</td><td>5.0</td></tr><tr><td>MINIMUM TOTAL ASPHALT DEPTH REQUIRED</td><td>5.0</td><td>5.5</td><td>6.0</td><td>6.0</td><td>6.0</td></tr></tbody></table> LOOP WIRE TWISTING METHOD INCORRECT WAY TO TWIST WIRE CORRECT WAY TO TWIST WIRE 	DEPTH (IN)	MAX NO. OF WIRE LAYERS					2	3	4	5	6	SAW SLOT DEPTH	4.0	4.5	5.0	5.0	5.0	MINIMUM TOTAL ASPHALT DEPTH REQUIRED	5.0	5.5	6.0	6.0	6.0	QUADRUPOLE LOOP		ENGLISH STANDARD DRAWING FOR DEEP-CUT INDUCTIVE DETECTION LOOPS (FOR INSTALLATION PRIOR TO MILLING)
			DEPTH (IN)	MAX NO. OF WIRE LAYERS																							
2	3	4		5	6																						
SAW SLOT DEPTH	4.0	4.5	5.0	5.0	5.0																						
MINIMUM TOTAL ASPHALT DEPTH REQUIRED	5.0	5.5	6.0	6.0	6.0																						
SHEET 1 OF 1	SAW CUT OPTIONS OPTION 1 OPTION 2 (POOR PAVEMENT) LOOP WINDING METHOD REVISIONS 1. REMOVED TWISTING NOTES FROM TAIL SECT. TO JUNCTION BOX. 2/26/08 MWH 2. REVISED SECTION A - A DETAILS. 6/29/15 JTP Prepared In the Offices of: 750 N. Greenfield Pkwy, Garner, NC 27529 SEAL NORTH CAROLINA PROFESSIONAL SEAL 016286 ENGINEER MILTON I. DEAN Discussed by: Milton I. Dean 7/1/2015 DATE																										

PROJECT REFERENCE
NO.
2026CPT.07.03.20011

High Speed Detection
(≥40 mph)

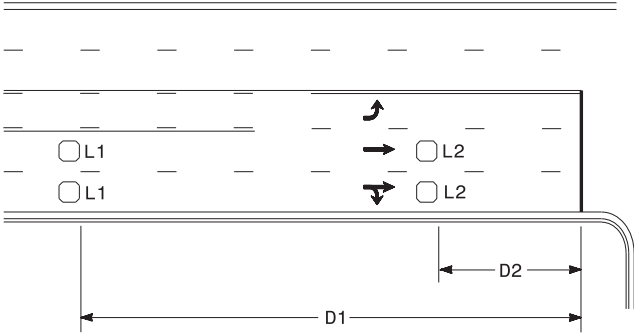


Speed Limit mph	D ft
40	250
45	300
50	355
55	420

L = 6ft X 6ft
Wired separately

Volume Density Operation

OR



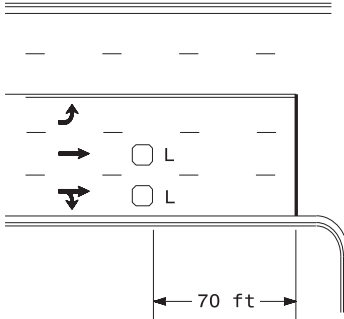
Speed Limit mph	D1 ft	D2 ft
40	250	80
45	300	90
50	355	100
55	420	110

L1 = 6ft X 6ft
Wired in series

L2 = 6ft X 6ft
Wired in series

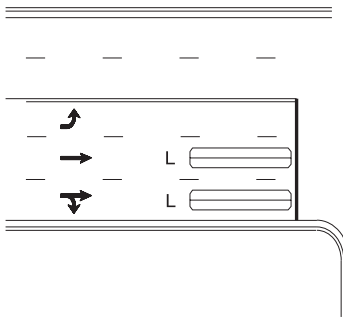
"Stretch" Operation

Low Speed Detection
(≤35 mph)



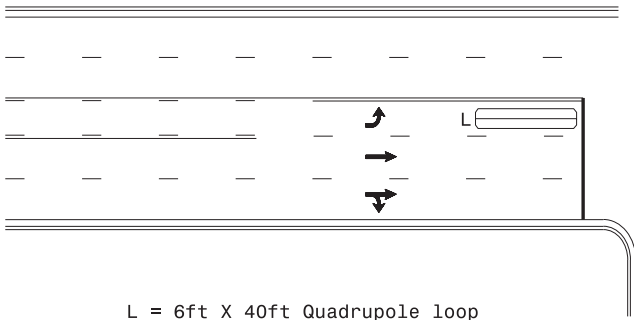
L = 6ft X 6ft
Wired in series

OR



L = 6ft X 40ft
Quadrupole loop, wired separately

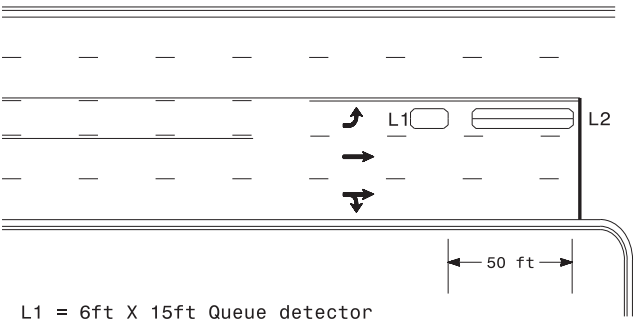
Left Turn Lane Detection



L = 6ft X 40ft Quadrupole loop

Presence Loop Detection

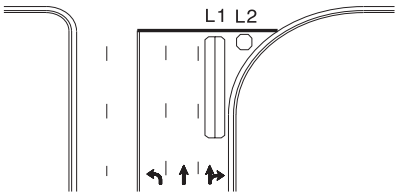
OR



L1 = 6ft X 15ft Queue detector
L2 = 6ft X 40ft Quadrupole loop

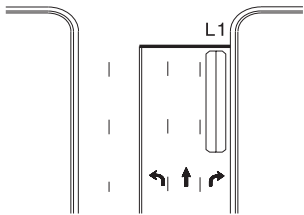
Queue Loop Detection

Right Turn Lane Detection

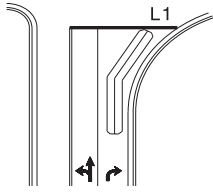


Shared Lane/
Wide Radius Turn

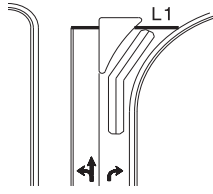
L1 = 6ft X 40ft Quadrupole loop
L2 = 6ft X 6ft [Minimum] Presence loop
Wired separately



Standard Turn

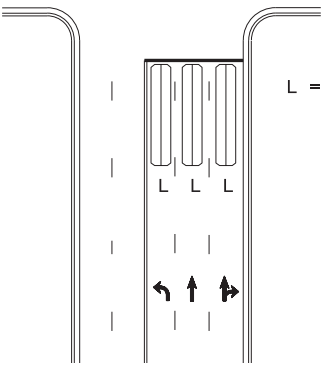


Wide Radius Turn



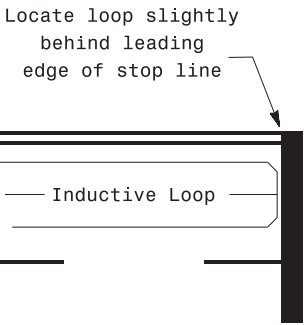
Channelized Turn

Side Street Detection



L = 6ft X 40ft
Quadrupole loop
Wired to separate
detectors/channels

Presence Loop Placement at Stop Lines



Note:
Loop may be located in advance
of stop line under any of the
following conditions:
1) stop line is greater than 15'
from edge of intersecting
roadway
2) loop detects a permissive or
protected/permissive left turn
3) for an exclusive right turn
lane

Recommended Number of Turns

Single 6' X 6' loop
(when wired separately):

Length of Lead-in ft	Number of Turns
< 250	3
250-375	4
375-525	5
> 525	6

Quadrupole loops: Use 2-4-2 turns

6' X 15' Loops:
Lead-in < 150', use 2 turns
Lead-in > 150', use 3 turns

	Typical Signal Loop Locations		
	PLAN DATE: September 2020	REVIEWED BY: JPG	
	PREPARED BY: PLA	REVIEWED BY:	
	REVISIONS	INIT. DATE	
SCALE N/A			