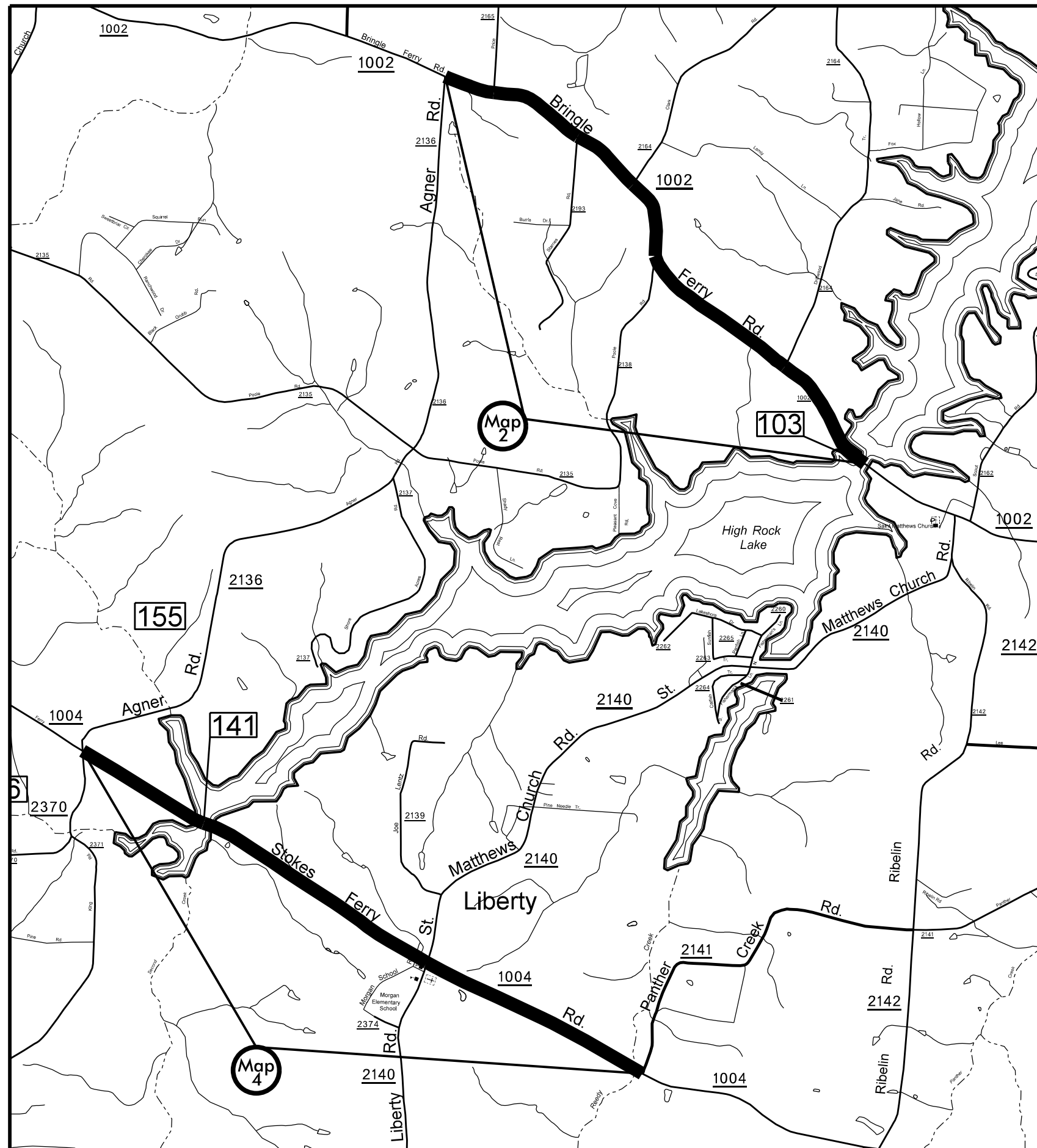


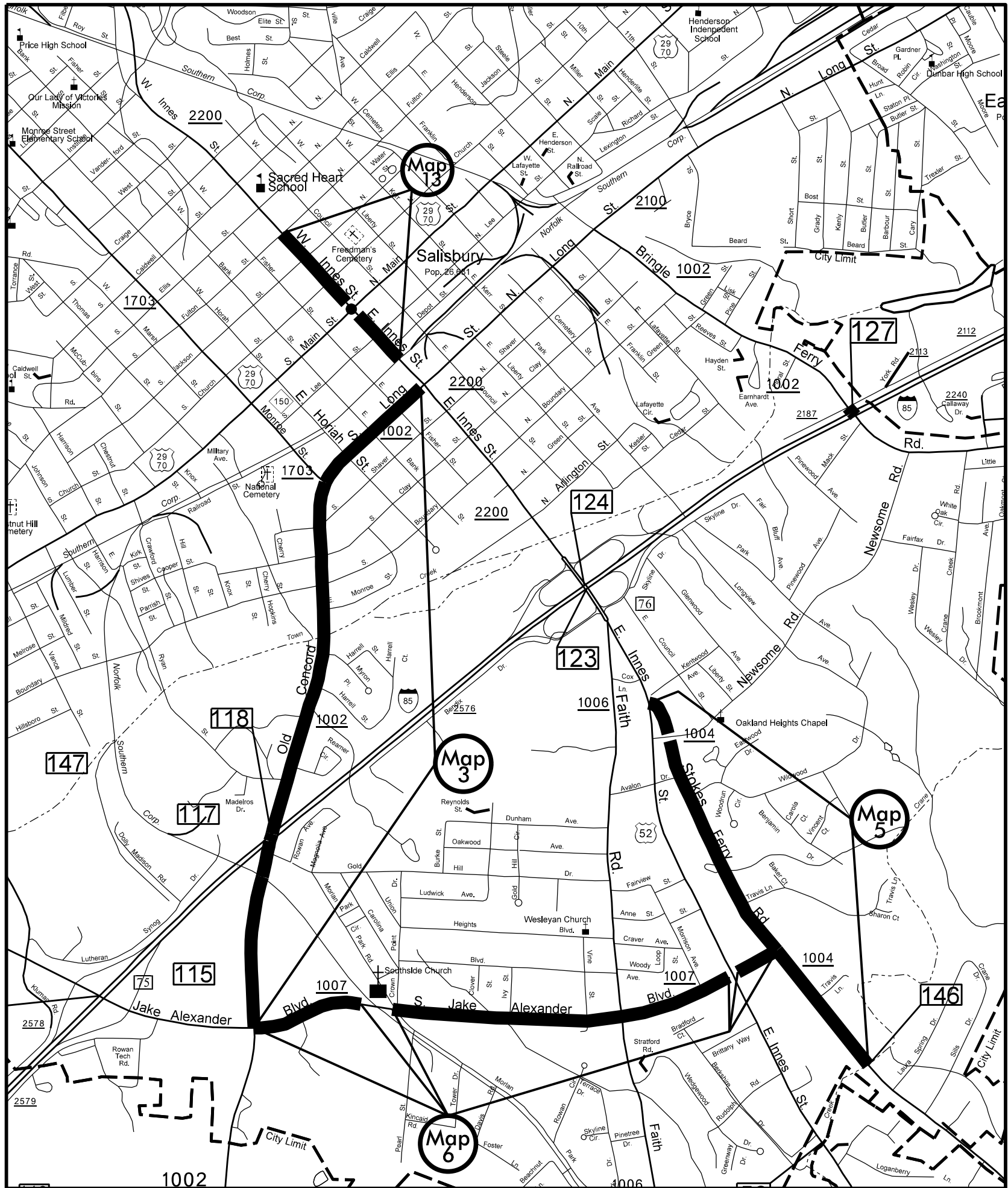
MAP 1
 US 52
 Mill 1½" Depth
 Pave Back with 1½" S9.5C

ROWAN COUNTY
 NORTH CAROLINA



MAP 2
 Bringle Ferry Rd. SR 1002
 Mill 1½" Depth Full width of Pavement
 Pave Back with 1½" S9.5C

MAP 4
 Stokes Ferry Rd. SR 1004
 Butt Mill Map ends
 Pave 1½" S9.5C



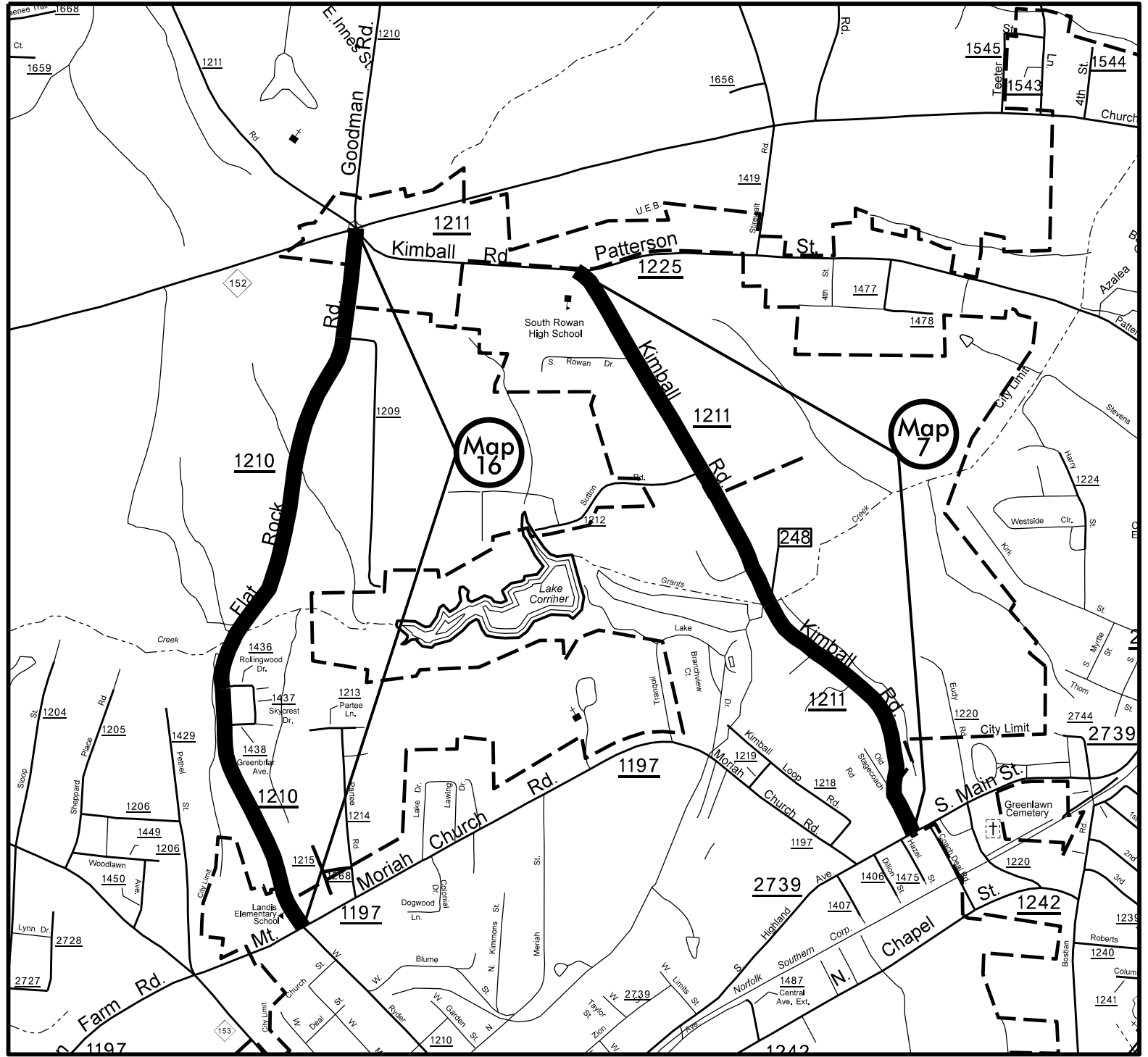
MAP 3
 S. Long St./Old Concord Rd. SR 1002
 Mill 1½" Depth Full width of pavement.
 Pave Back with 1½" S9.5C

MAP 5
 Stokes Ferry Rd. SR 1004
 Mill 1½" Depth Full width of pavement.
 Pave Back with 1½" S9.5C
 Skip Newsome intersection.

Map 6
 Jake Alexander SR 1007
 Mill 1½" Depth Full width of pavement.
 Pave Back with 1½" S9.5C
 Skip newly paved section at RxR near Morlan Park Rd.
 Skip intersection at US 52 /E. Innes St.
 Tie into new pavement at Stokes Ferry Rd. SR 1004

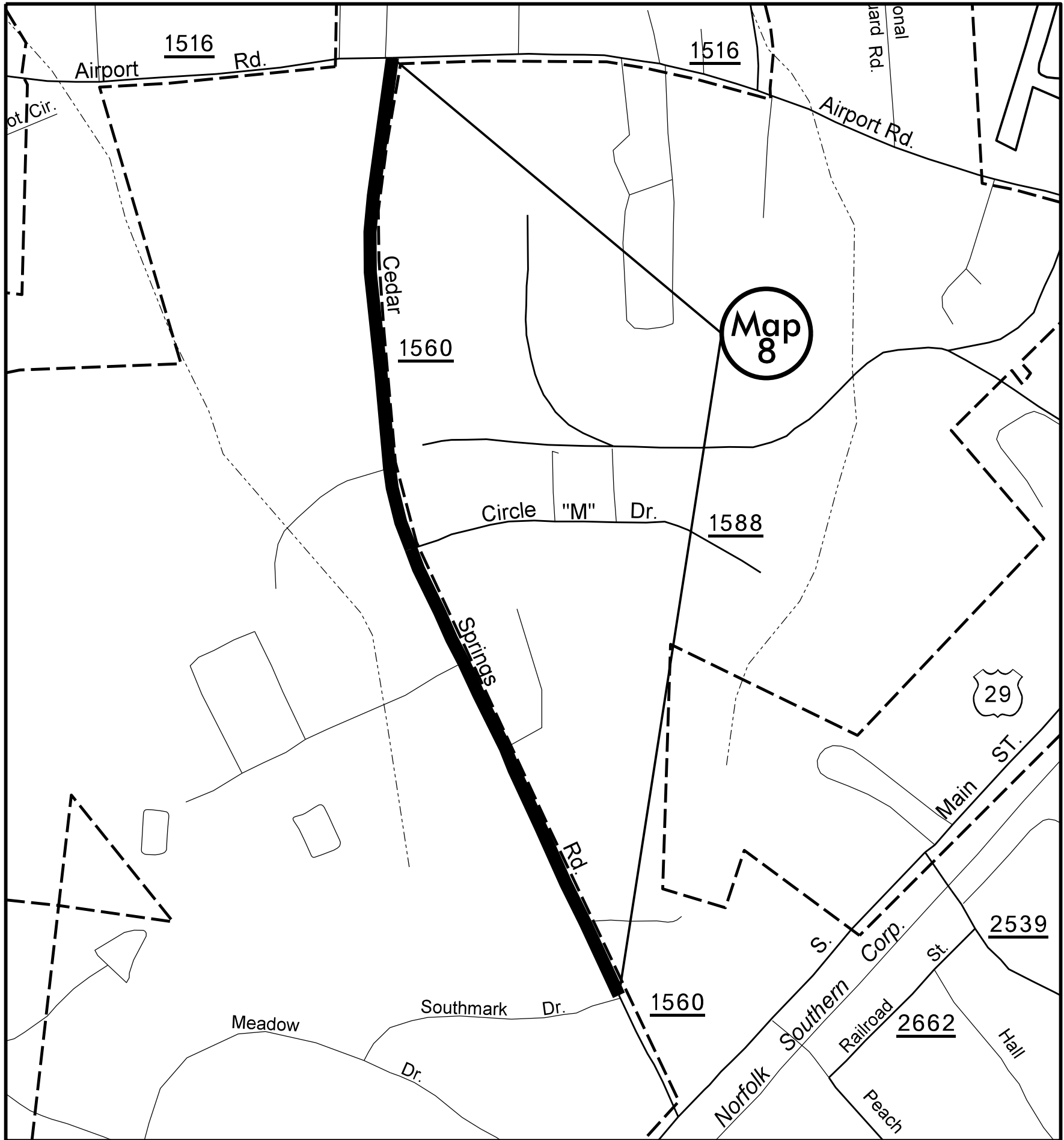
Map 13
 W. Innes St./E. Innes St. SR 2200
 DO NOT MILL OR PAVE THROUGH MAIN ST./US29/70
 MILL TO EDGE OF PAVEMENT
 PAVE TO EDGE OF PAVEMENT
 Mill 1½" Depth Full width of pavement.
 Pave Back with 1½" S9.5C

**ALL WORK ON THESE MAPS
 TO BE NIGHT TIME ONLY
 8 P.M. TO 6 A.M.,
 Monday-Sunday.**

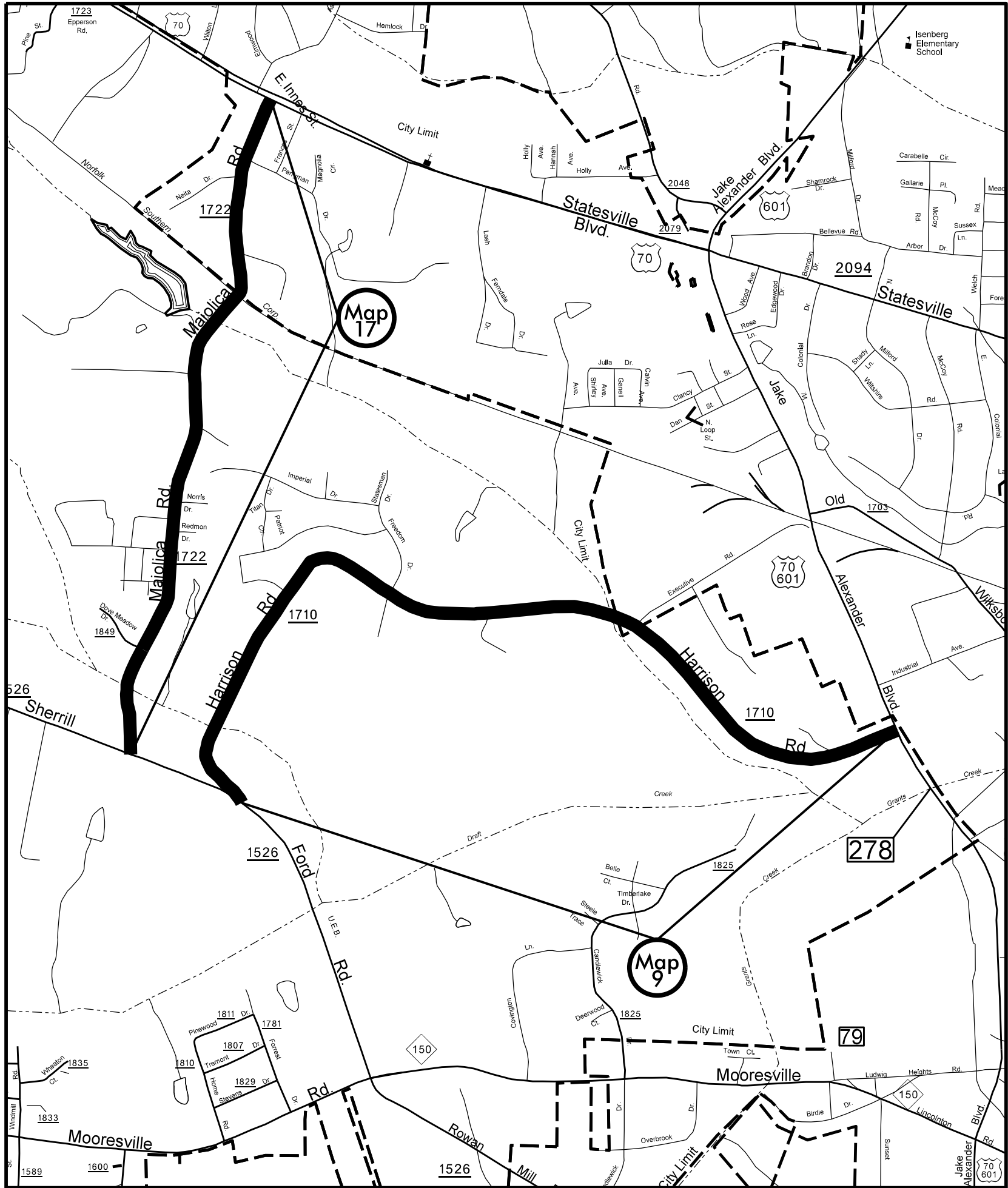


MAP 7
 Kimball Rd. SR 1211
 Mill 1" Depth Full width of pavement.
 AST Mat Seal.
 Pave Back with 2" S9.5C

MAP 16
 Flat Rock Rd. SR 1210
 Mill 1" Depth Full width of pavement.
 AST Mat Seal.
 Pave Back with 2" S9.5C

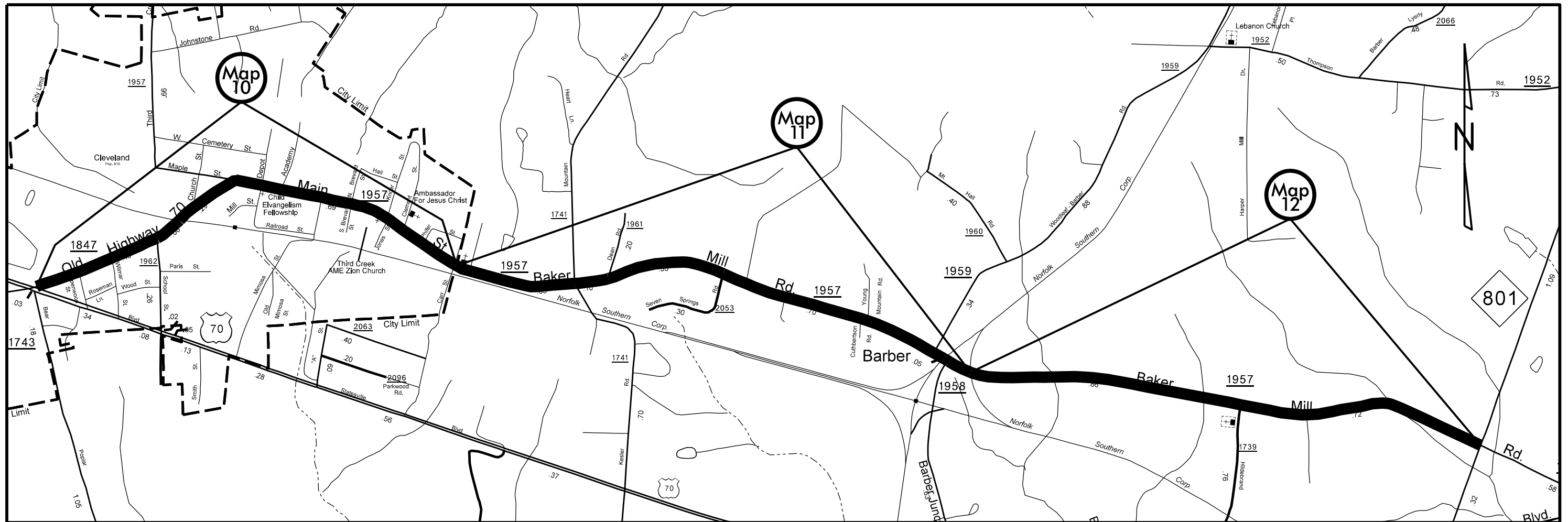


MAP 8
 Cedar Springs Rd. SR 1560
 Pave with 1½" S9.5C to
 pavement jt. North of US 29



MAP 9
 Harrison Rd. SR 1710
 Mill 1½" Depth Full width of pavement.
 Pave Back with 2" S9.5C in middle of pavement,
 1½" S9.5C at edge of pavement.

MAP 17
 Majolica Rd. SR 1722
 Mill 1½" Depth Full width of pavement.
 AST Mat Seal and Pave Back with 1½" S9.5C,
 2" in middle of road and 1½" at edge of pavement

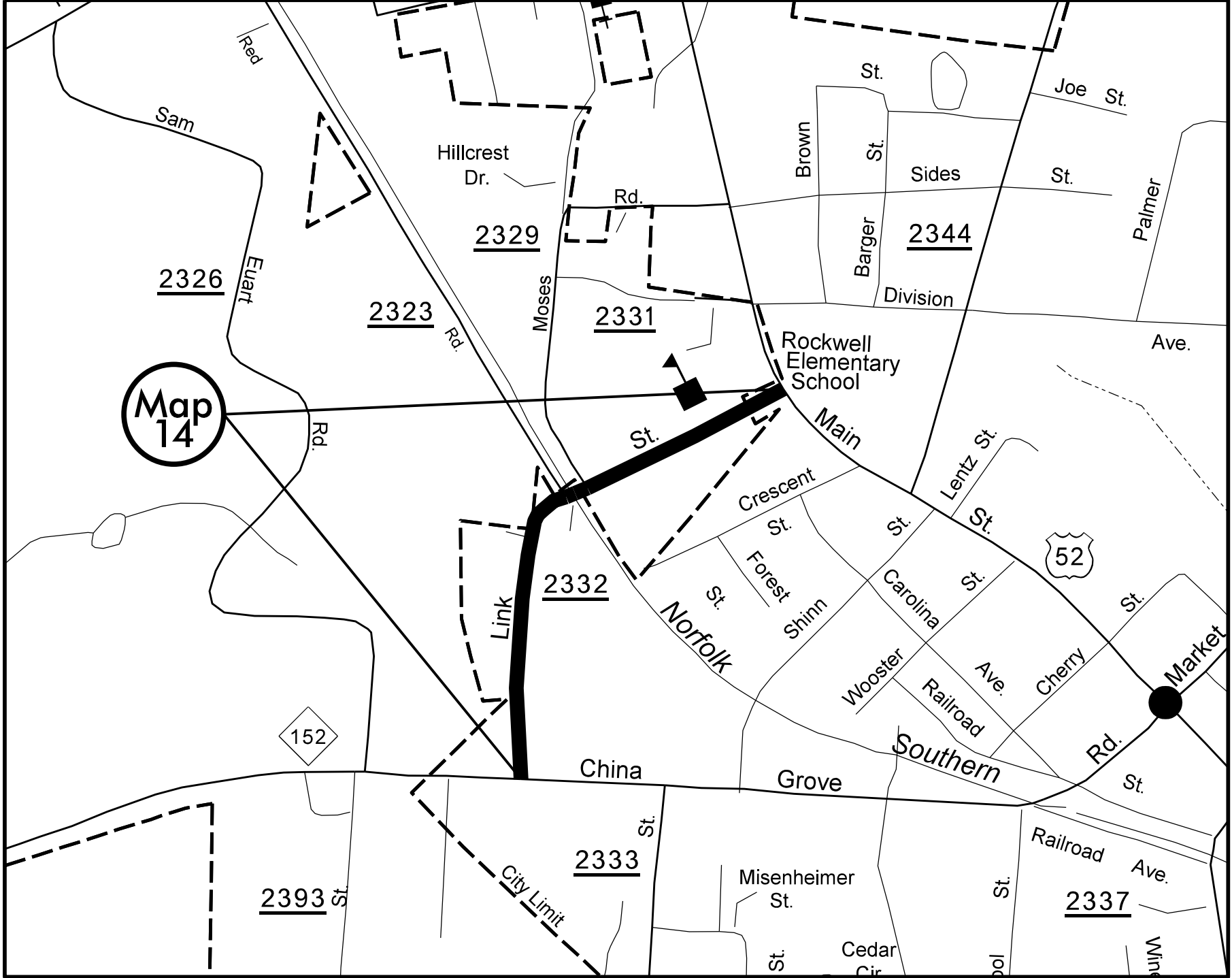


MAP 10
 Old Hwy. 70
 Mill 1½"
 Pave Back with 1½" S9.5C

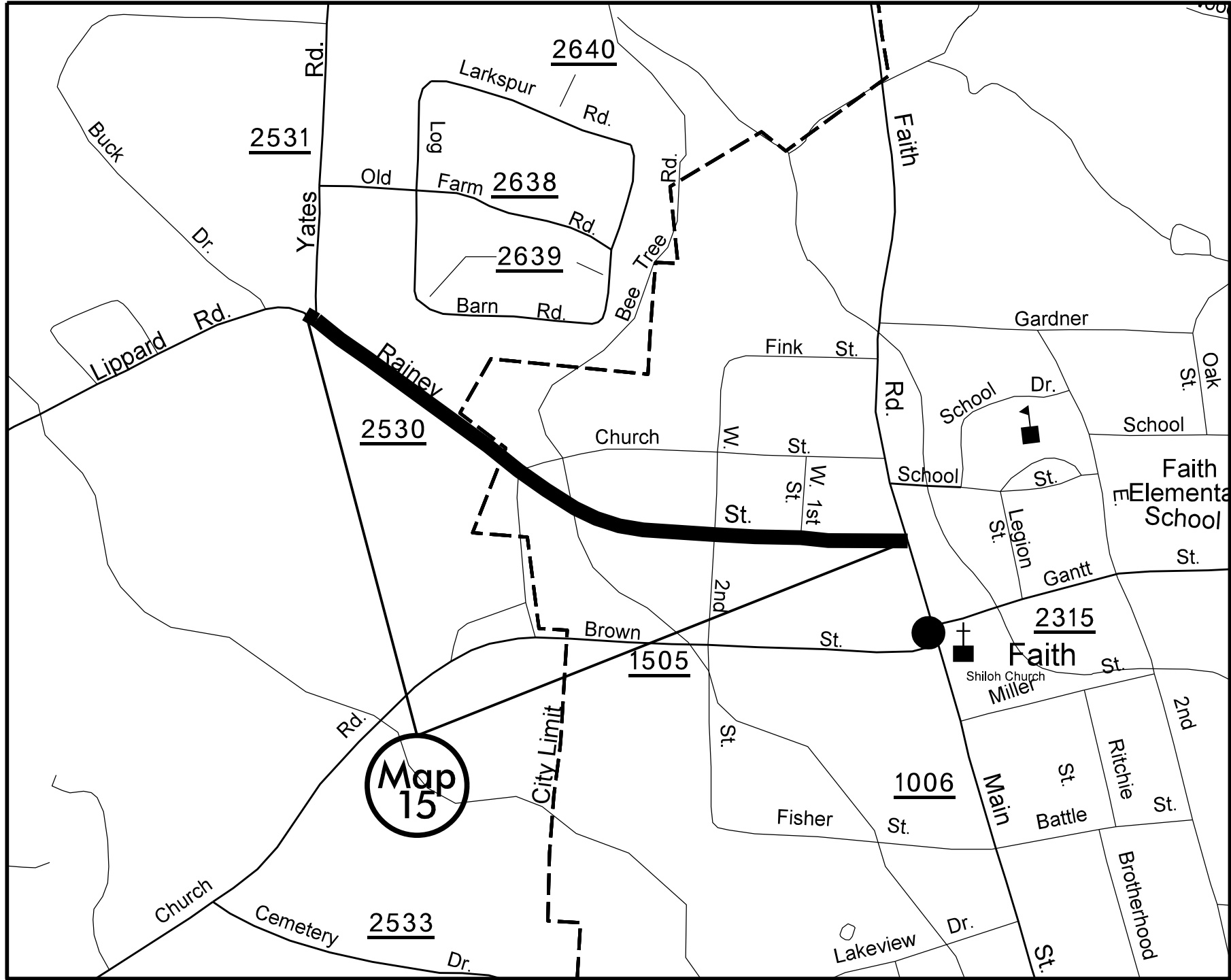
MAP 11
 Baker Mill Rd. SR 1957
 Mill 5½" Depth 3 ft. Each side,
 2 ft. into existing pavement,
 1 ft. of shoulder.
 Pave 3 ft. widening with 5½" B25.0C
 Overlay new width with 1½" S9.5C

MAP 12
 Baker Mill Rd. SR 1957
 Mill 5½" Depth 3 ft. Each side,
 1 ft. into existing pavement,
 2 ft. of shoulder.
 Pave 3 ft. widening with 5½" B25.0C
 Overlay new width with 1½" S9.5C

ROWAN COUNTY
 NORTH CAROLINA

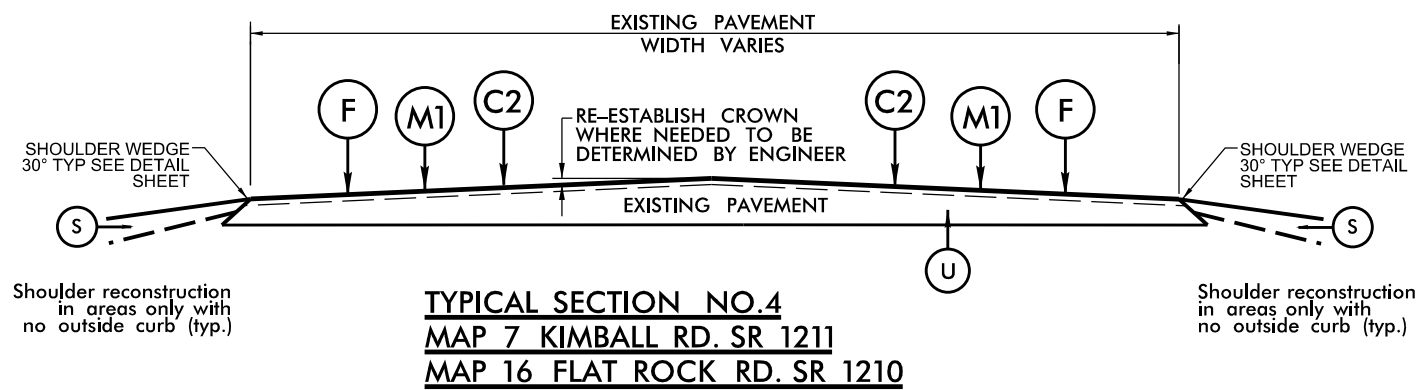
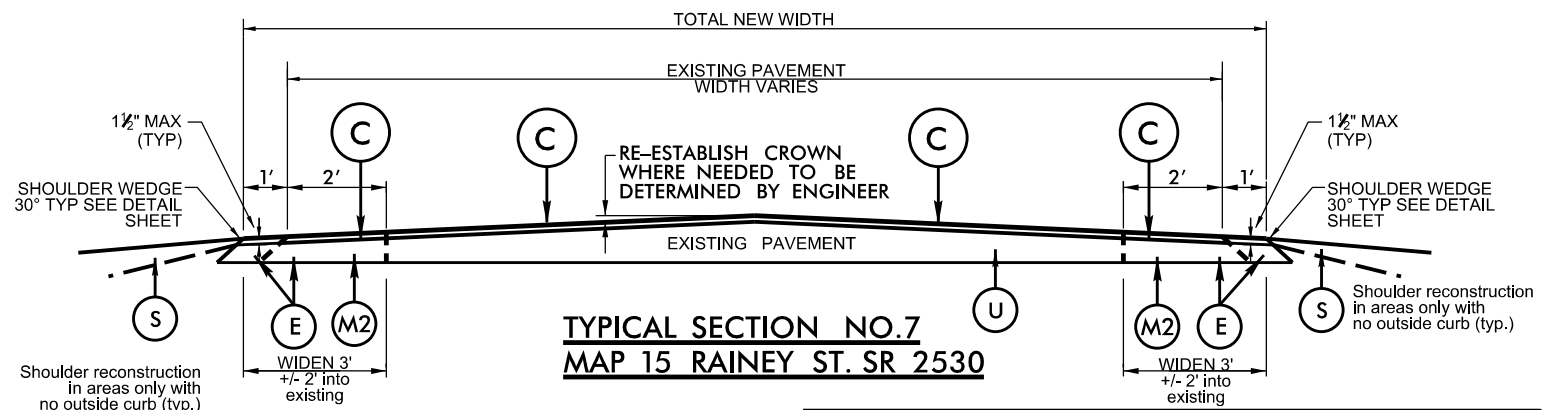
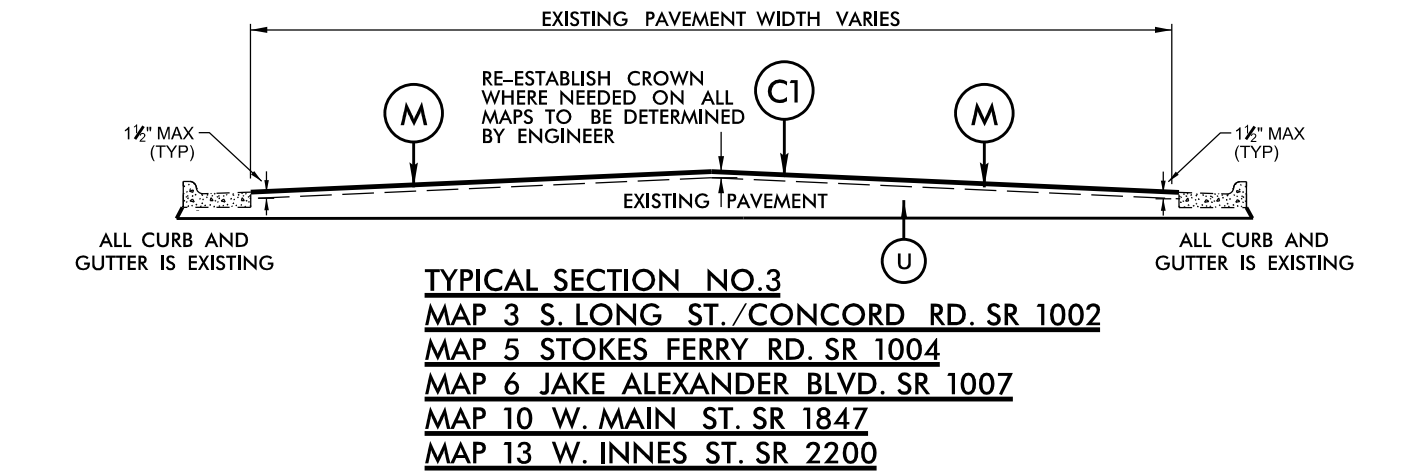
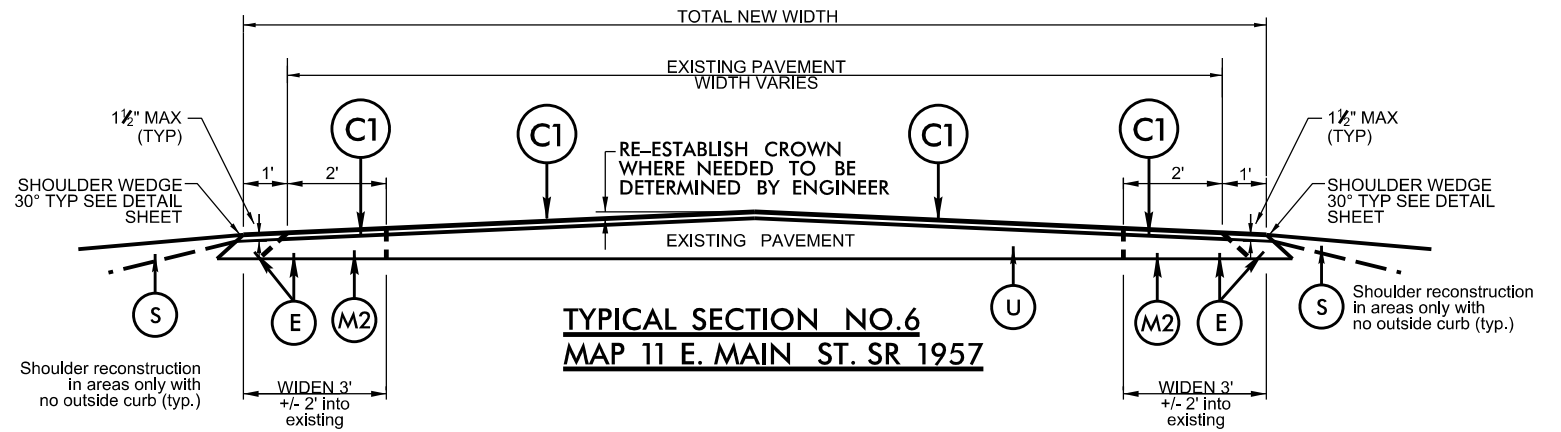
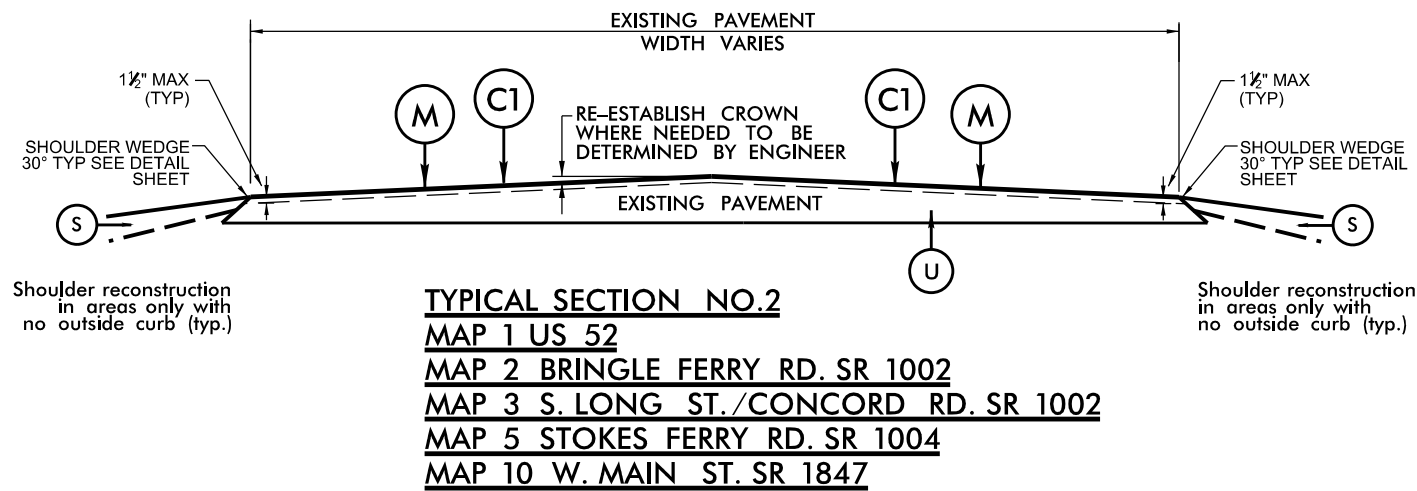
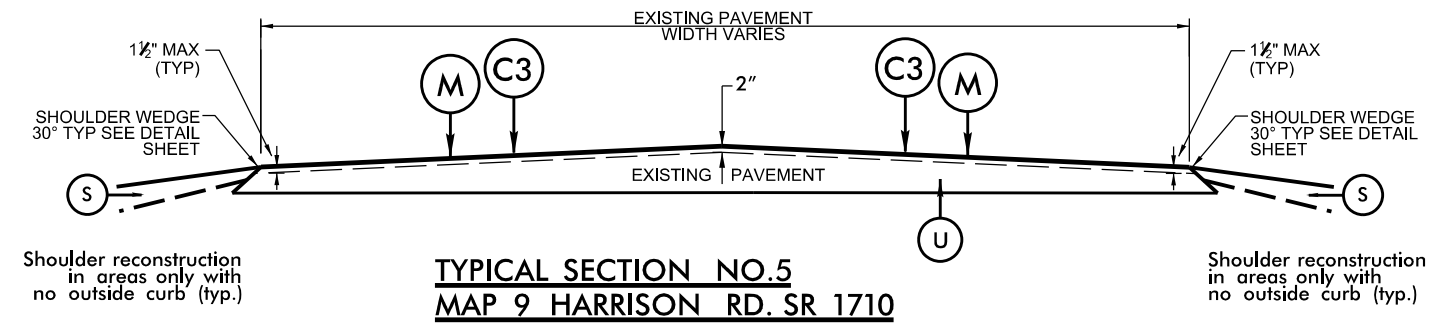
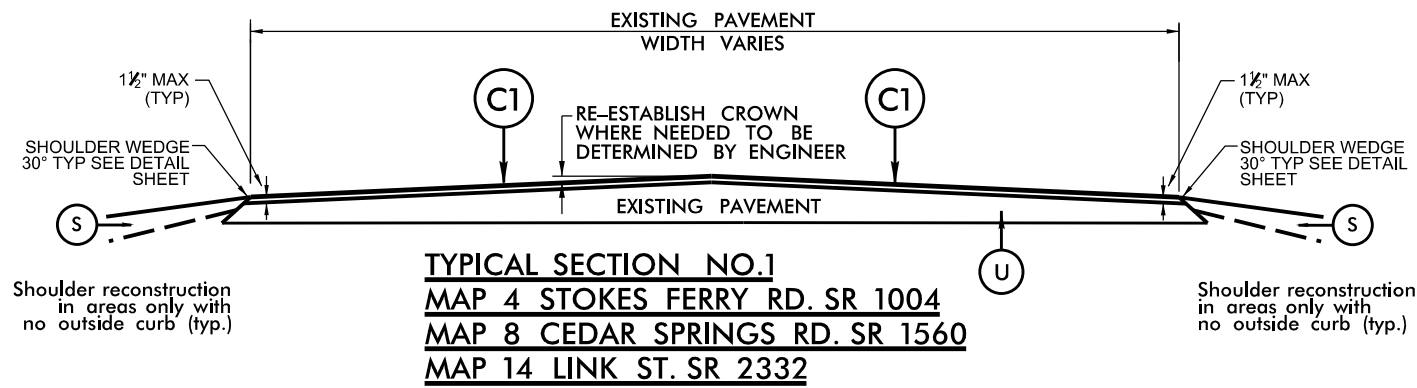


MAP 14
 Link St. SR 2332
 Pave 1½" S9.5C
 Incidental Mill at RxR

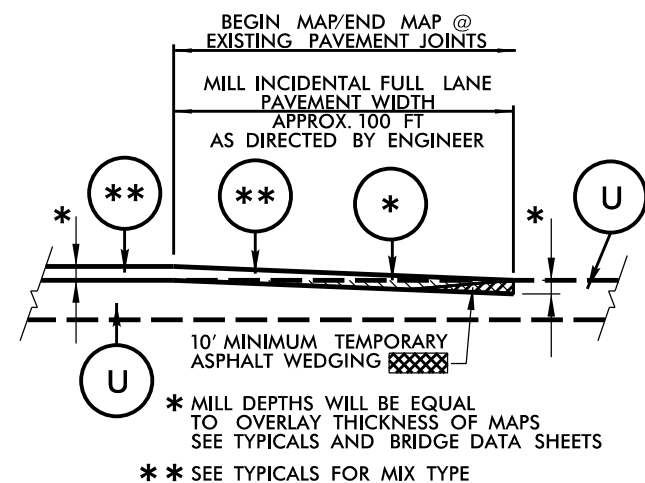
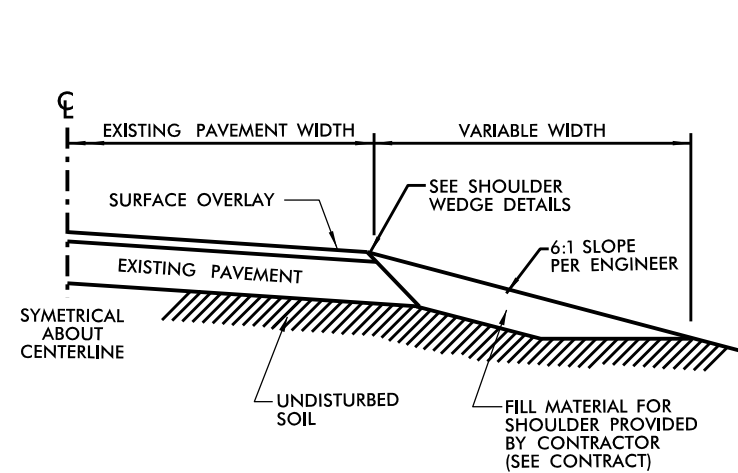
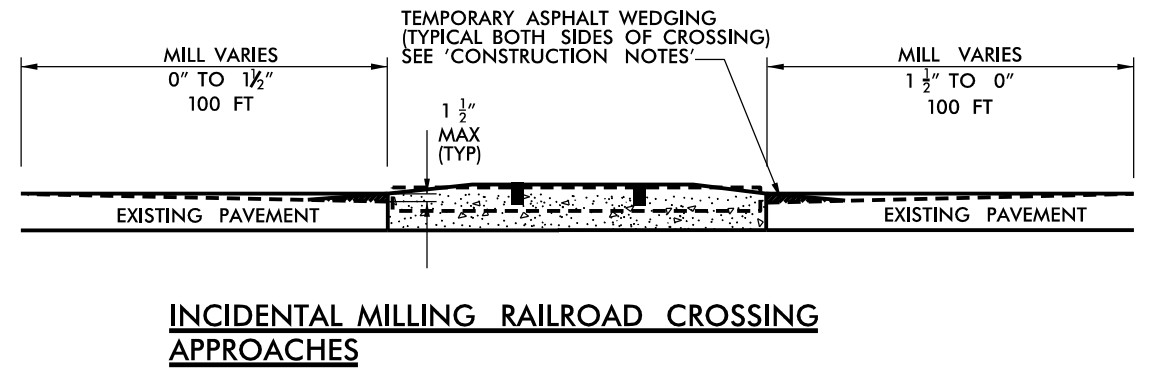
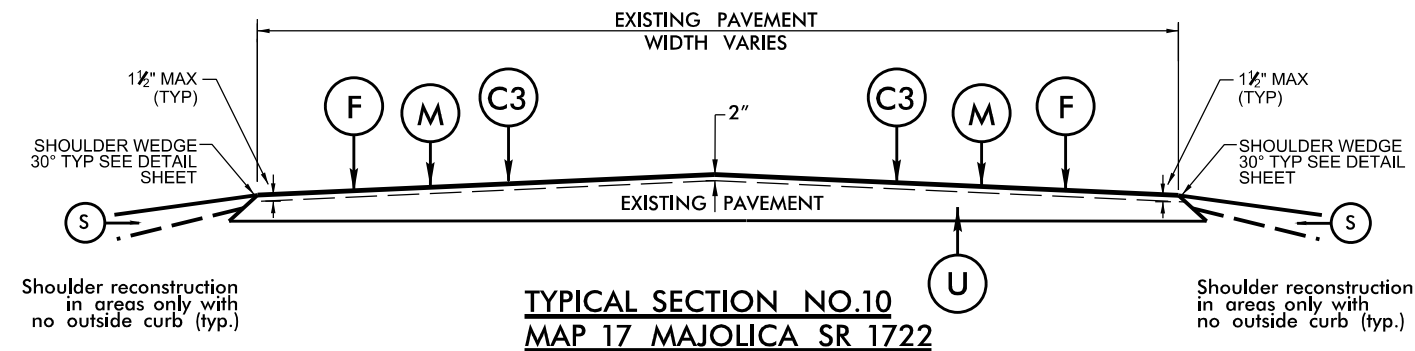
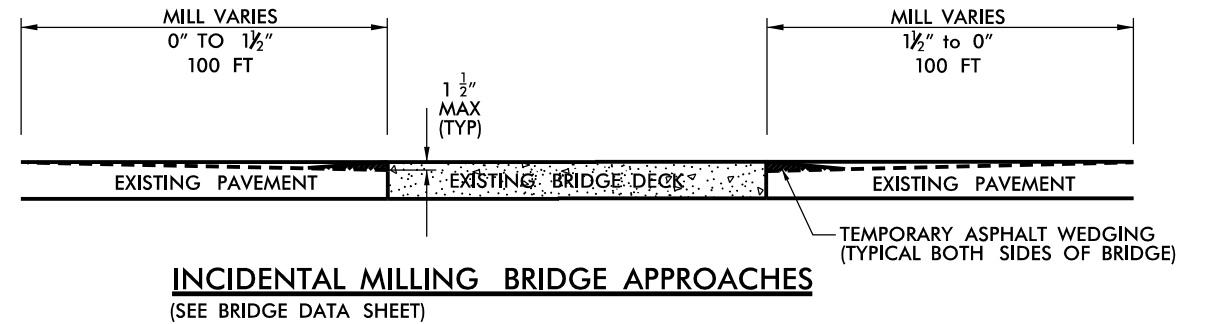
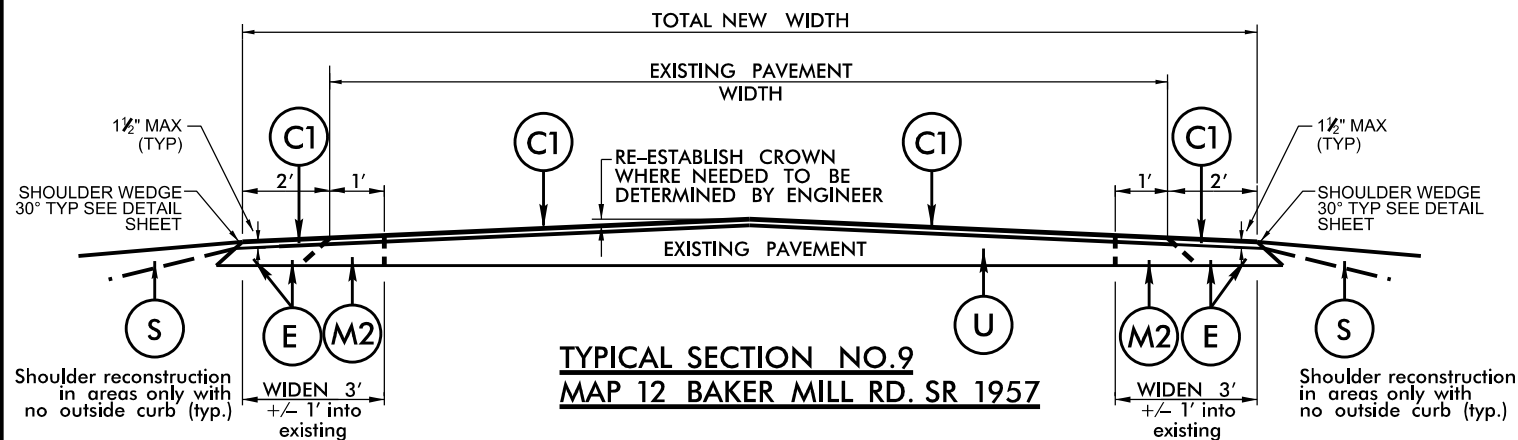
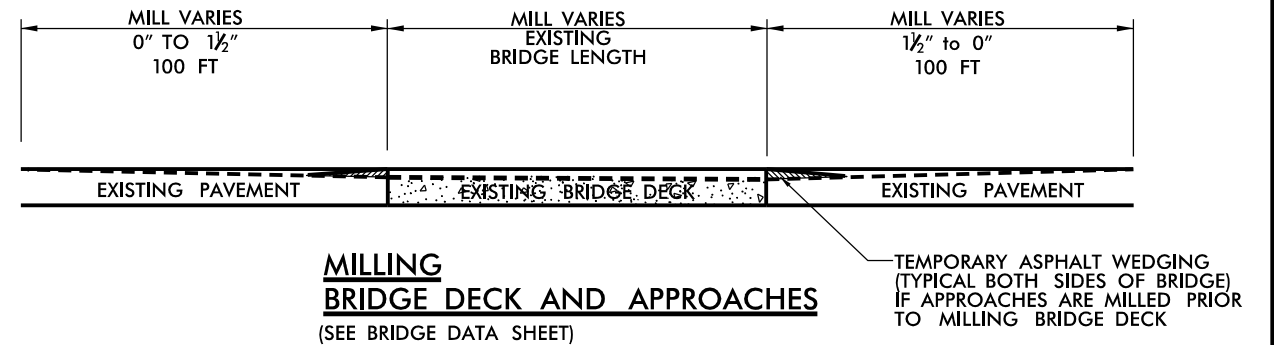
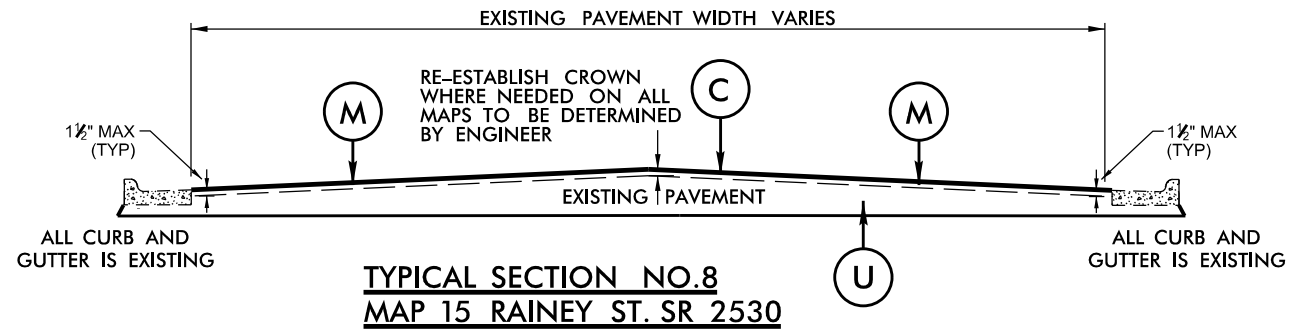


MAP 15
 Rainey St. SR 2530
 Faith Rd. SR 1006 to end of Curb and Gutter
 Mill 1½" Depth
 Pave back with 1½" S9.5B

From End of Curb and Gutter to Yates Rd. SR 2531
 Mill 5½" Depth 3 ft. Each side,
 2 ft. into existing pavement,
 1 ft. of shoulder.
 Pave 3 ft. widening with 5½" B25.0C
 Overlay new width with 1½" S9.5B

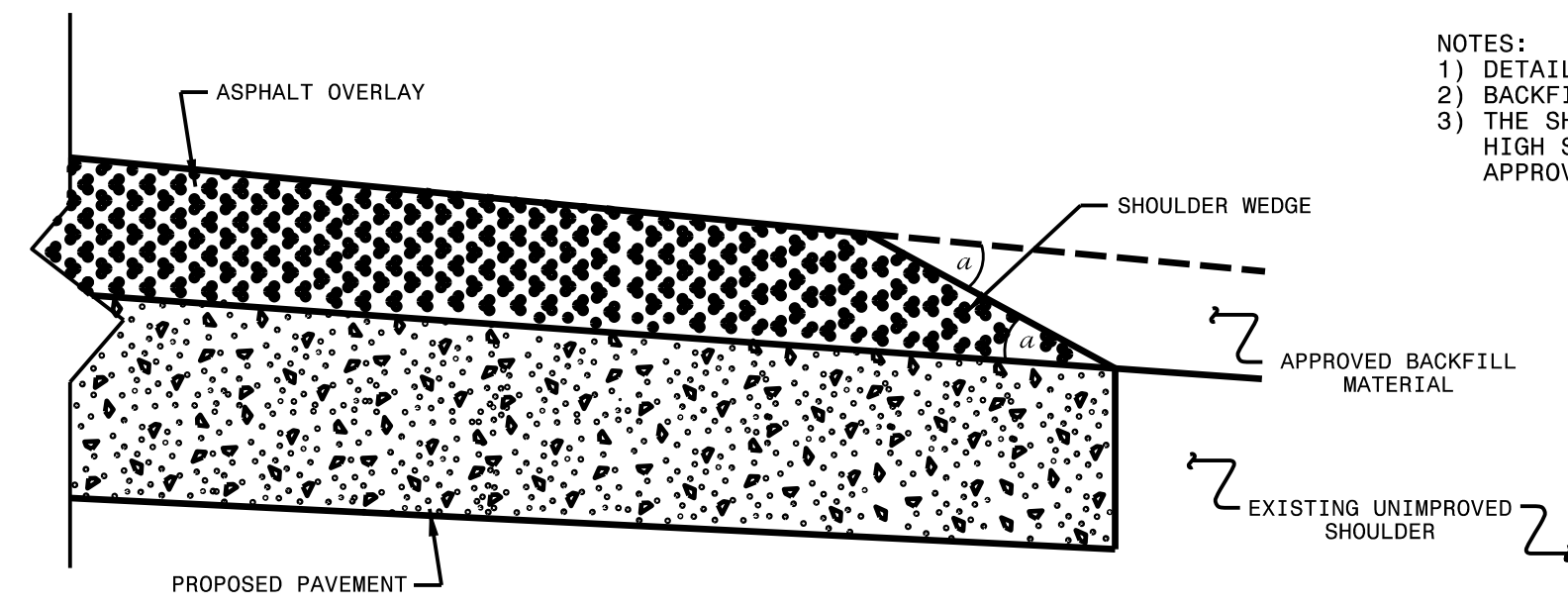


PAVEMENT SCHEDULE	
C	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 165 LBS PER SQ YD
C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
C2	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 224 LBS PER SQ YD
C3	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1 1/2" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 2" IN DEPTH.
E	PROP. APPROX. 5 1/2" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
F	ASPHALT SURFACE TREATMENT, MAT AND SEAL
M	MILL ASPHALT PAVEMENT, 1 1/2" DEPTH
M1	MILL ASPHALT PAVEMENT, 1" DEPTH
M2	MILL ASPHALT PAVEMENT, 5/8" DEPTH
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT

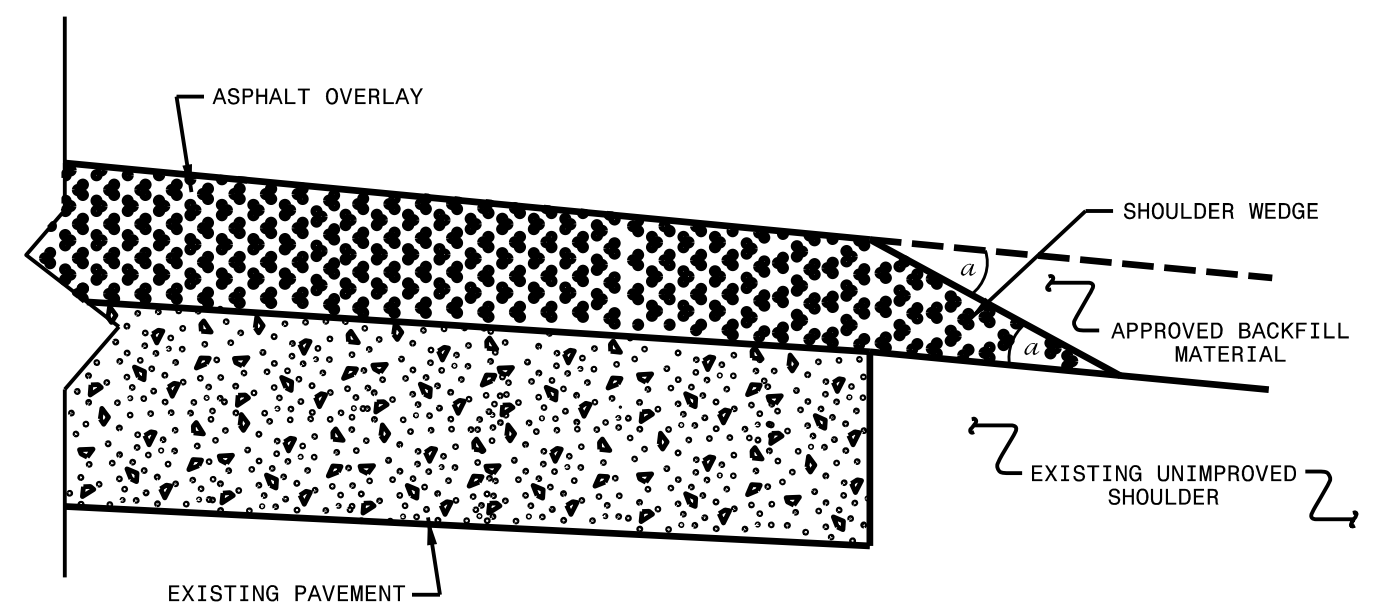


PAVEMENT SCHEDULE	
C	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 165 LBS PER SQ YD
C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
C2	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 224 LBS PER SQ YD
C3	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1/2" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 2" IN DEPTH.
E	PROP. APPROX. 5/8" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
F	ASPHALT SURFACE TREATMENT, MAT AND SEAL
M	MILL ASPHALT PAVEMENT, 1/2" DEPTH
M1	MILL ASPHALT PAVEMENT, 1" DEPTH
M2	MILL ASPHALT PAVEMENT, 5/8" DEPTH
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT

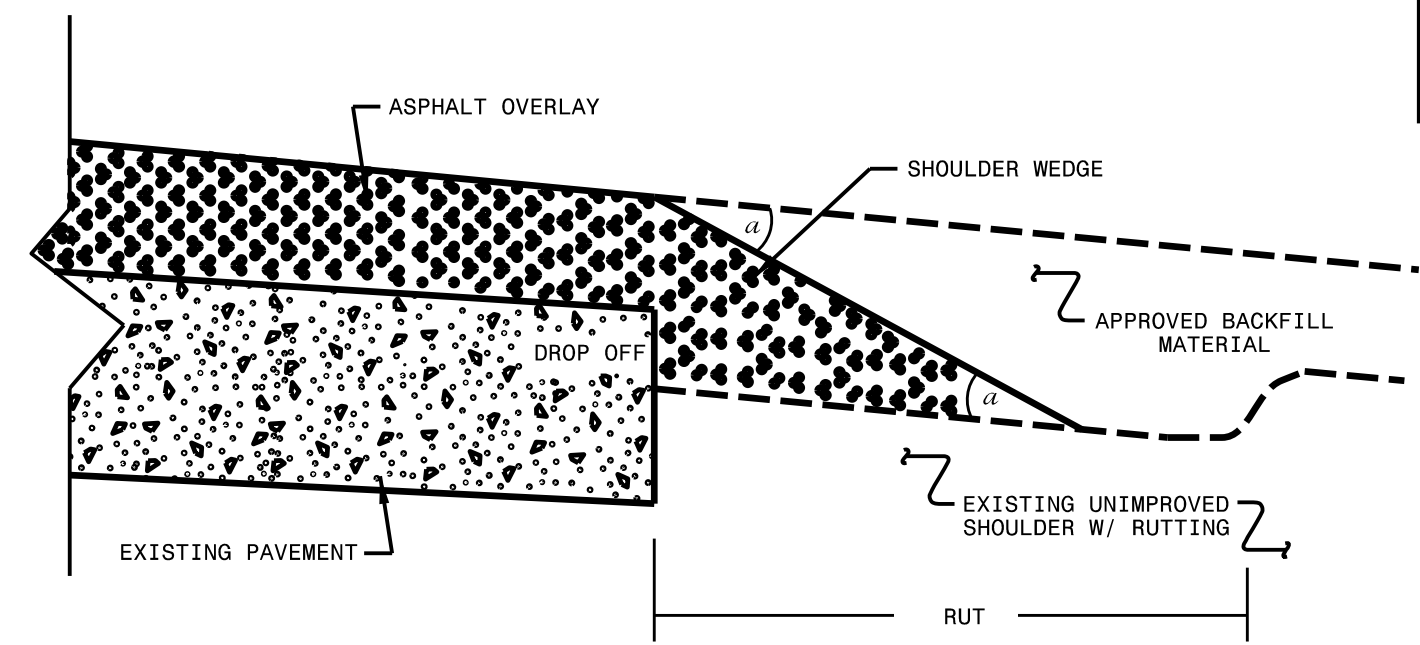
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFc AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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°

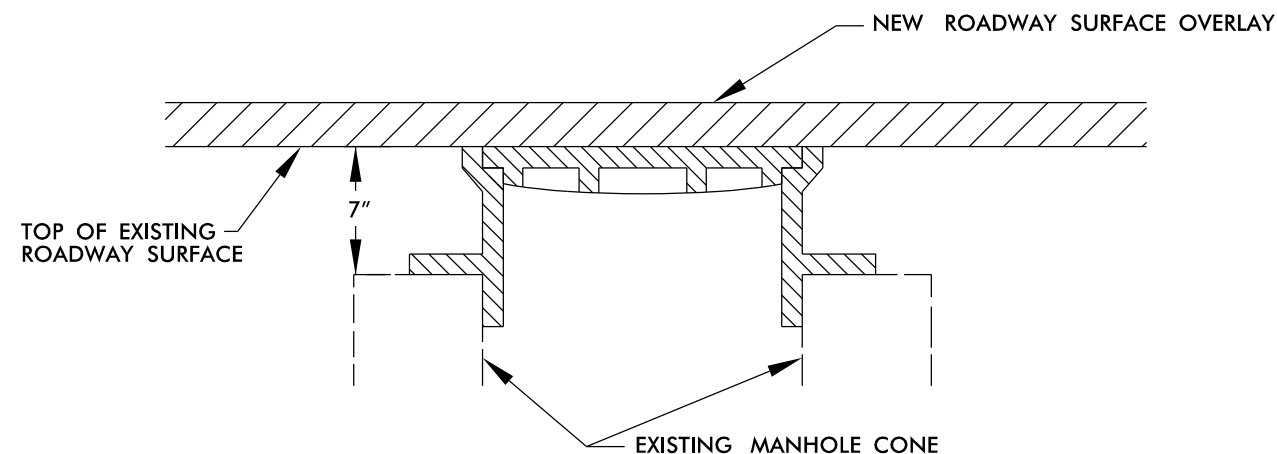
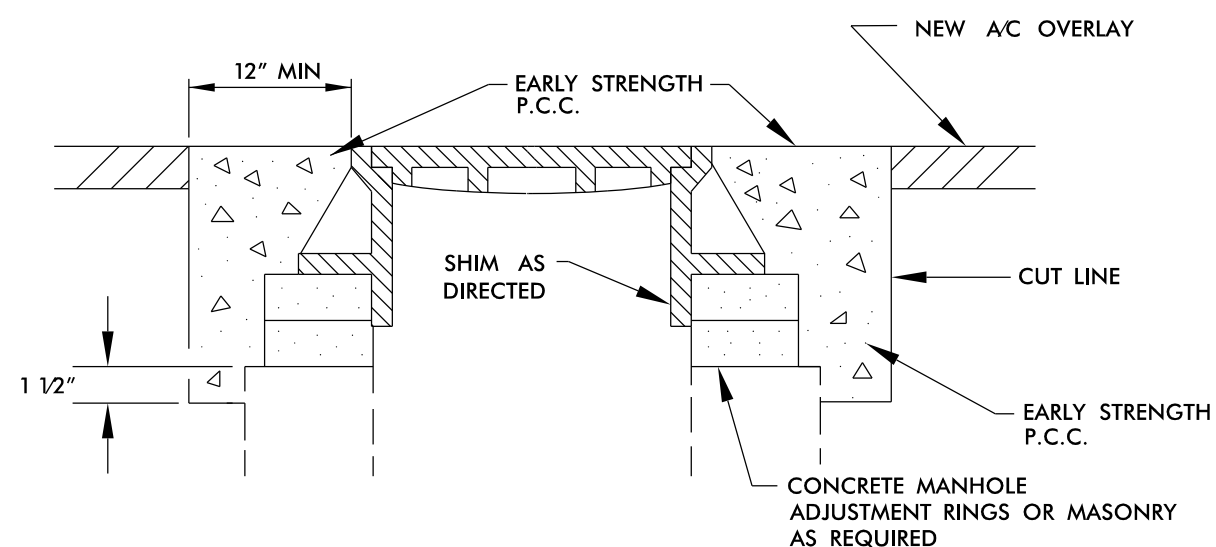
CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
SHOULDER WEDGE DETAILS	
ORIGINAL BY: T.SPELL	DATE: 7-19-11
MODIFIED BY:	DATE: 2/2/16
CHECKED BY:	DATE:
FILE SPEC: s:\usr\details\stand\shoulderwedge\std\std1.dgn	

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

C:\Users\TSpell\Documents\2020CPT-09-07-10801\2020CPT-09-08-20801\12.dgn

CONSTRUCTION NOTES:

1. ALL QUANTITIES ARE "ESTIMATED" AS INDICATED IN THE "SUMMARY OF QUANTITIES".
2. CONSTRUCTION SHALL PROGRESS IN PHASES, IN THE ORDER INDICATED BELOW:
 - PHASE 1 - MILLING AND PATCHING (WHEN REQUIRED)
 - PHASE 2 - SURFACE OVERLAY
 - PHASE 3 - SHOULDER DROP-OFF REPAIR (AS NEEDED AND DIRECTED BY ENGINEER)
 - PHASE 4 - UTILITY ADJUSTMENTS (MANHOLE RING/COVER, VALVE/METER BOX RING/COVER, CATCH BASIN GRATE/COVER, DROP INLET GRATE/COVER, ETC.) WHEN REQUIRED.
3. BRIDGES THAT HAVE FLOOR DRAINS, SHALL HAVE ALL FLOOR DRAINS LEFT OPEN. EXTRA CARE SHALL BE EXERCISED IN MILLING (IF REQUIRED) AND IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE.
4. TEMPORARY ASPHALT WEDGING SHALL BE PLACED ON THE SAME DAY THAT BRIDGE AND/OR RAILROAD APPROACHES ARE MILLED (AND IF APPROACHES ARE MILLED PRIOR TO BRIDGE DECK).
5. FOR TWO-LANE ROADWAYS - IT SHALL BE UNDERSTOOD THAT TYPICALLY ON A ROADWAY MEASURING 20 FEET OR LESS IN WIDTH, THE CENTER OF THE WHITE EDGELINE SHALL BE LOCATED SIX INCHES FROM THE EDGE OF PAVEMENT ON EITHER SIDE OF THE ROADWAY; ON A ROADWAY MEASURING 22 FEET IN WIDTH, TRAVEL LANES SHALL MEASURE 10 FEET FROM THE EDGE OF PAVEMENT ON EITHER SIDE; ON A ROADWAY MEASURING 24 FEET IN WIDTH, TRAVEL LANES SHALL MEASURE 11 FEET AND THE WHITE EDGELINE SHALL BE LOCATED ONE FOOT FROM THE EDGE OF PAVEMENT ON EITHER SIDE; ON A ROADWAY MEASURING 26 FEET OR MORE IN WIDTH, TRAVEL LANES SHALL MEASURE 12 FEET AND THE WHITE EDGELINE SHALL BE LOCATED NO LESS THAN ONE FOOT FROM THE EDGE OF PAVEMENT ON EITHER SIDE. THIS SHALL BE STANDARD PRACTICE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
6. PAPER JOINTS ARE TO BE PLACED BETWEEN DAYS OF PAVING OPERATIONS AS SPECIFIED IN THE STANDARD SPECIFICATIONS SECTION 610-11.
7. ALL MILLED AREAS WILL BE PAVED WITHIN 72 HOURS UNLESS APPROVED BY THE ENGINEER.
8. REPLACE ANY PORTION OF STOP BARS AND OTHER PAVEMENT MARKINGS AT ANY INTERSECTION INCLUDING Y-LINES NOT ACTUALLY BEING PAVED OVER, THAT ARE OBLITERATED BY THE PAVING OPERATION EITHER BY HAULING WHEEL TRACKS OR TACK TRUCK BY THE END OF EACH RESURFACING OPERATION

**STEP 1****STEPS 2,3, & 4**

- STEP 1 COVER EXISTING MANHOLE WITH APPROVED MATERIAL AND CONSTRUCT OVERLAY ACROSS TOP OF MANHOLE
- STEP 2 SAW CUT EXCAVATION AROUND MANHOLE 12" MIN. FROM MANHOLE FRAME.
- STEP 3 RAISE MANHOLE FRAME RINGS TO FINISH PAVEMENT PROFILE AND CROSS SLOPE.
- STEP 4 BACKFILL WITH EARLY STRENGTH P.C.C. TO DEPTHS AS DIRECTED.

MANHOLE ADJUSTMENT DETAIL

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	MILLING ASPHALT PAVEMENT, 1 1/2" DEPTH	MILLING ASPHALT PAVEMENT, 1" DEPTH	MILLING ASPHALT PAVEMENT, 5 1/2" DEPTH	INCIDENTAL MILLING	BASE COURSE, B25.0C	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	ASPHALT SURFACE TREATMENT, MAT & SINGLE SEAL	EMULSION FOR ASPHALT SURFACE TREATMENT	ADJ. OF DROP INLET	ADJ. OF MANHOLES	ADJ. OF METER OR VALVE BOX	PORTABLE LIGHTING	TEMP. SILT FENCE	WATTLE			
																																MI	FT	CY
2020CPT.09.07.10801	Rowan	1	US 52	FROM PAVEMENT JT. NEAR SHIPTON LOOP SR 2367 TO CABARRUS COUNTY LINE	2	2	2WU	NO	NO	3.863	varies 26-29	464	834	7.73	68,208						6,333	380	20							1,545	155			
TOTAL FOR MAP NO. 1										3.863		464	834	7.73	68,208						6,333	380	20								1,545	155		
TOTAL FOR PROJ NO. 2020CPT.09.07.10801										3.863		464	834	7.73	68,208							6,333	380	20									1,545	155
2020CPT.09.08.20801	Rowan	2	BRINGLE FERRY RD. SR 1002	FROM AGNER RD. SR 2136 TO BRIDGE # 103 OVER HIGH ROCK LAKE	2	2	2WU	NO	NO	2.208	varies 22-23	265	168	4.42	28,492						2,648	159	20							883	88			
TOTAL FOR MAP NO. 2										2.208		265	168	4.42	28,492						2,648	159	20									883	88	
2020CPT.09.08.20801	Rowan	3	S. LONG ST. / OLD CONCORD RD. / SALISBURY RD. SR 1002	FROM E. INNES ST. SR 2200 TO P.V.M.T. JT NORTH OF JAKE ALEXANDER BLVD. SR 1007	2,3	2	MU	NO	NO	1.638	varies 21-60	71	39	1.18	35,950						3,333	200					15	10	*	236	24			
TOTAL FOR MAP NO. 3										1.638		71	39	1.18	35,950						3,333	200						15	10	1	236	24		
2020CPT.09.08.20801	Rowan	4	STOKES FERRY RD. SR 1004	AGNER RD. TO PANTHER CREEK RD. SR 2141	1	2	2WU	NO	NO	2.429	22	291	345	4.86				489			2,991	179								972	97			
TOTAL FOR MAP NO. 4										2.429		291	345	4.86				489			2,991	179										972	97	
2020CPT.09.08.20801	Rowan	5	STOKES FERRY RD. SR 1004	P.V.M.T. JT AT BRIDGE # 146 TO E.O.P. AT E. INNES ST. (US 52)	2,3	2	2WU	NO	NO	1.072	varies 24-45	90	36	1.49	17,193						1,596	96					16			298	30			
TOTAL FOR MAP NO. 5										1.072		90	36	1.49	17,193						1,596	96					16			298	30			
2020CPT.09.08.20801	Rowan	6	JAKE ALEXANDER BLVD. SR 1007	FROM E.O.P. AT STOKES FERRY RD. SR 1004 TOPV.M.T. JT. NEAR OLD CONCORD RD. SR 1002	3	5	MU	NO	NO	1.106	60				39,405						3,648	219				24	3							
TOTAL FOR MAP NO. 6										1.106					39,405						3,648	219				24	3							
2020CPT.09.08.20801	Rowan	7	KIMBALL RD. SR 1211	S. MAIN ST. P.V.M.T. JT TO PATTERSON ST. SR 1225	4	2	2WU	NO	NO	1.388	varies 25-27	167	78	2.78		20,357					2,525	151			20,357	6,107	2			555	56			
TOTAL FOR MAP NO. 7										1.388		167	78	2.78		20,357				2,525	151			20,357	6,107	2					555	56		
2020CPT.09.08.20801	Rowan	8	CEDAR SPRINGS RD. SR 1560	FROM P.V.M.T. JT. NORTH OF SOUTHWARK DR. TO AIRPORT RD. SR 1516	1	2	2WU	NO	NO	0.835	varies 22-23	100	10	1.67							1,001	60	20							334	33			
TOTAL FOR MAP NO. 8										0.835		100	10	1.67						1,001	60	20									334	33		
2020CPT.09.08.20801	Rowan	9	HARRISON RD. SR 1710	SHERRILLS FORD RD SR 1526 TO JAKE ALEXANDER BLVD. /US601	5	2	2WU	NO	NO	2.229	varies 24-37	267	318	4.46	36,317						3,936	236	20				1			891	89			
TOTAL FOR MAP NO. 9										2.229		267	318	4.46	36,317					3,936	236	20				1				891	89			
2020CPT.09.08.20801	Rowan	10	W. MAIN ST. SR 1847	US 70/STATESVILLE BLVD. TO EAST CITY LIMIT NEAR CARR ST.	2,3	2	MU	NO	NO	1.338	varies 18-36	19	3	0.32	22,687						2,105	126					4	11	1	64	6			
TOTAL FOR MAP NO. 10										1.338		19	3	0.32	22,687					2,105	126					4	11	1	64	6				
2020CPT.09.08.20801	Rowan	11	E. MAIN ST. / OLD HWY 70 SR 1957	EAST CITY LIMIT NEAR CARR ST. TO RXR TRACK	6	2	2WU	NO	NO	1.568	varies 17-21	188	246	3.14		5,519	800	2,049			1,711	195								627	63			
TOTAL FOR MAP NO. 11										1.568		188	246	3.14		5,519	800	2,049		1,711	195											627	63	
2020CPT.09.08.20801	Rowan	12	BAKER MILL RD. / OLD HWY 70 SR 1957	RXR TRACKS TO NC 801	9	2	2WU	NO	NO	1.492	varies 17-21	179	75	2.98		5,250	400	1,949			1,708	190								597	60			
TOTAL FOR MAP NO. 12										1.492		179	75	2.98		5,250	400	1,949		1,708	190											597	60	
2020CPT.09.08.20801	Rowan	13	W. INNES ST. SR 2200	FROM S. FULTON ST. TO RXR BRIDGE # 381	3	2	MU	NO	NO	0.429	varies 50-60				14,952						1,384	83					11	9						
TOTAL FOR MAP NO. 13										0.429					14,952					1,384	83					11	9							
2020CPT.09.08.20801	Rowan	14	LINK ST. SR 2332	HWY 152 P.V.M.T. JT TO US 52/W. MAIN ST.	1	2	2WU	NO	NO	0.441	varies 23-52	53	90	0.88				511			722	43	20				3	1		176	18			
TOTAL FOR MAP NO. 14										0.441		53	90	0.88				511			722	43	20				3	1		176	18			
2020CPT.09.08.20801	Rowan	15	RAINEY ST. SR 2530	FAITH RD./MAIN ST. SR 1006 TO THROUGH INTERSECTION OF YATES RD. SR 2531	7,8	2	2WU	NO	NO	0.561	varies 19-24	48	33	0.80	2,296		1,402				520	615		20						159	16			
TOTAL FOR MAP NO. 15										0.561		48	33	0.80	2,296		1,402			520	615		20									159	16	
2020CPT.09.08.20801	Rowan	16	FLAT ROCK RD. SR 1210	PATTERSON ST. SR 1225 TO MT. MORIAH RD. SR 1197	4	2	2WU	NO	NO	1.543	varies 21-32	185	93	3.09		20,882					2,630	158	20		21,193	6,358				617	62			
TOTAL FOR MAP NO. 16										1.543		185	93	3.09		20,882				2,630	158	20		21,193	6,358						617	62		
2020CPT.09.08.20801	Rowan	17	MAJOLICA RD. SR 1722	US 70/STATESVILLE BLVD. TO SHERRILLS FORD RD. SR 1526	10	2	2WU	NO	NO	1.703	varies 20-21	204	390	3.41	19,982						2,170	130			19,982	5,995				681	68			
TOTAL FOR MAP NO. 17										1.703		204	390	3.41	19,982					2,170	130			19,982	5,995						681	68		
TOTAL FOR PROJ NO. 2020CPT.09.08.20801										21.98		2,127	1,924	35.48	217,274	41,239	12,171	2,200	4,518	615	34,108	2,290	120	61,532	18,460	4	83	24	1	7,090	710			
GRAND TOTAL										25.843		2,591	2,758	43.21	285,482	41,239	12,171	2,200	4,518	615	40,441	2,670	140	61,532	18,460	4	83	24	1	8,635	865			

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

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4685000000-E	4686000000-E	4688000000-E	4690000000-E	4695000000-E	4697000000-E	4700000000-E	4705000000-E	4710000000-E	4721000000-E			4725000000-E																								
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 120 M WHITE THERMO	4" X 120 M YELLOW THERMO	6" X 90 M WHITE THERMO	6" X 120 M WHITE THERMO	6" X 120 M YELLOW THERMO	8" X 90 M YELLOW THERMO	8" X 120 M WHITE THERMO	12" X 90 M YELLOW THERMO	12" X 90 M WHITE THERMO	16" X 120 M WHITE THERMO	24" X 120 M WHITE THERMO	THERMO RXR 120 M	THERMO MSG ONLY 120 M	THERMO MSG SCHOOL 120 M	THERMO LT ARROW 90 M	THERMO MERGE ARROW 90 M	THERMO STR & LT ARROW 90 M	THERMO STR ARROW 90 M	THERMO STR & RT ARROW 90 M	THERMO RT ARROW 90 M																
									MI	FT	SF	LS	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA																				
2020CPT.09.07.10801	Rowan	1	US 52	FROM PAVEMENT JT. NEAR SHIPTON LOOP SR 2367 TO CABARRUS COUNTY LINE	2	2	2WU	3.863	varies 26-29		432	*								100	121	4																										
TOTAL FOR MAP NO. 1									3.863		432									100	121	4																										
TOTAL FOR PROJ NO. 2020CPT.09.07.10801									3.863		432	1												100	121	4																						
2020CPT.09.08.20801	Rowan	2	BRINGLE FERRY RD. SR 1002	FROM AGNER RD. SR 2136 TO BRIDGE # 103 OVER HIGH ROCK LAKE	2	2	2WU	2.208	varies 22-23		247				23,753	62	23,883																															
TOTAL FOR MAP NO. 2									2.208		247				23,753	62	23,883																															
2020CPT.09.08.20801	Rowan	3	S. LONG ST. / OLD CONCORD RD. / SALISBURY RD. SR 1002	FROM E. INNES ST. SR 2200 TO PVMT. JT NORTH OF JAKE ALEXANDER BLVD. SR 1007	2,3	2	MU	1.638	varies 21-60		126		6,215	3,234	18,277				24	246	38		100	316	4			14	4	5	12	17	2															
TOTAL FOR MAP NO. 3									1.638		126		6,215	3,234	18,277			24	246	38		100	316	4			14	4	5	12	17	2																
2020CPT.09.08.20801	Rowan	4	STOKES FERRY RD. SR 1004	AGNER RD. TO PANTHER CREEK RD. SR 2141	1	2	2WU	2.429	22		272				26,136	32	16,100							77																								
TOTAL FOR MAP NO. 4									2.429		272				26,136	32	16,100										77																					
2020CPT.09.08.20801	Rowan	5	STOKES FERRY RD. SR 1004	PVMT. JT AT BRIDGE # 146 TO E.O.P. AT E. INNES ST. (US 52)	2,3	2	2WU	1.072	varies 24-45		120		7,880	466	14,285									61			7																					
TOTAL FOR MAP NO. 5									1.072		120		7,880	466	14,285												61			7																		
2020CPT.09.08.20801	Rowan	6	JAKE ALEXANDER BLVD. SR 1007	FROM E.O.P. AT STOKES FERRY RD. SR 1004 TOPVMT. JT. NEAR OLD CONCORD RD. SR 1002	3	5	MU	1.106	60		126			3,660	12,250						115		200	369	4		16																					
TOTAL FOR MAP NO. 6									1.106		126			3,660	12,250					115		200	369	4		16			39																			
2020CPT.09.08.20801	Rowan	7	KIMBALL RD. SR 1211	S. MAIN ST. PVMT. JT TO PATTERSON ST. SR 1225	4	2	2WU	1.388	varies 25-27		155		14,935	48	14,657									68																								
TOTAL FOR MAP NO. 7									1.388		155		14,935	48	14,657													68																				
2020CPT.09.08.20801	Rowan	8	CEDAR SPRINGS RD. SR 1560	FROM PVMT. JT. NORTH OF SOUTHMARK DR. TO AIRPORT RD. SR 1516	1	2	2WU	0.835	varies 22-23		93		8,979	8	8,812																																	
TOTAL FOR MAP NO. 8									0.835		93		8,979	8	8,812																																	
2020CPT.09.08.20801	Rowan	9	HARRISON RD. SR 1710	SHERRILLS FORD RD SR 1526 TO JAKE ALEXANDER BLVD. /US601	5	2	2WU	2.229	varies 24-37		250		23,979	414	28,823					175	744			52			4		13				3															
TOTAL FOR MAP NO. 9									2.229		250		23,979	414	28,823				175	744			52			4		13				3																
2020CPT.09.08.20801	Rowan	10	W. MAIN ST. SR 1847	US 70/STATESVILLE BLVD. TO EAST CITY LIMIT NEAR CARR ST.	2,3	2	MU	1.338	varies 18-36		126		1,692	337	14,924																																	
TOTAL FOR MAP NO. 10									1.338		126		1,692	337	14,924																																	
2020CPT.09.08.20801	Rowan	11	E. MAIN ST. / OLD HWY 70 SR 1957	EAST CITY LIMIT NEAR CARR ST. TO RXR TRACK	6	2	2WU	1.568	varies 17-21		176		16,872	126	16,558									50	25	2																						
TOTAL FOR MAP NO. 11									1.568		176		16,872	126	16,558														50	25	2																	
2020CPT.09.08.20801	Rowan	12	BAKER MILL RD. / OLD HWY 70 SR 1957	RXR TRACKS TO NC 801	9	2	2WU	1.492	varies 17-21		167		16,049	20	15,750									50	25	2																						
TOTAL FOR MAP NO. 12									1.492		167		16,049	20	15,750														50	25	2																	
2020CPT.09.08.20801	Rowan	13	W. INNES ST. SR 2200	FROM S. FULTON ST. TO RXR BRIDGE # 381	3	2	MU	0.429	varies 50-60		1			3,040	1,882																																	
TOTAL FOR MAP NO. 13									0.429		1			3,040	1,882																																	
2020CPT.09.08.20801	Rowan	14	LINK ST. SR 2332	HWY 152 PVMT. JT TO US 52/W. MAIN ST.	1	2	2WU	0.441	varies 23-52		49		4,745	34	4,657									954		250	100	140	4																			
TOTAL FOR MAP NO. 14									0.441		49		4,745	34	4,657														954		250	100	140	4														
2020CPT.09.08.20801	Rowan	15	RAINEY ST. SR 2530	FAITH RD./MAIN ST. SR 1006 TO THROUGH INTERSECTION OF YATES RD. SR 2531	7,8	2	2WU	0.561	varies 19-24		63																																					
TOTAL FOR MAP NO. 15									0.561		63																																					
2020CPT.09.08.20801	Rowan	16	FLAT ROCK RD. SR 1210	PATTERSON ST. SR 1225 TO MT. MORIAH RD. SR 1197	4	2	2WU	1.543	varies 21-32		173		16,603	216	16,904																																	
TOTAL FOR MAP NO. 16									1.543		173		16,603	216	16,904																																	
2020CPT.09.08.20801	Rowan	17	MAJOLICA RD. SR 1722	US 70/STATESVILLE BLVD. TO SHERRILLS FORD RD. SR 1526	10	2	2WU	1.703	varies 20-21		191		18,324	203	17,984																																	
TOTAL FOR MAP NO. 17									1.703		191		18,324	203	17,984																																	
TOTAL FOR PROJ NO. 2020CPT.09.08.20801									21.98		2,335		2,335		136,273	11,806	185,763	49,889	94	39,983	245	3,137	962	250	700	1,828	24	20	18	98	4	5	54	47	18													
GRAND TOTAL									25.843		2,767	1	136,273	11,806	185,763	49,889	94	39,983	245	3,137	962	250	700	1,828	24	20	18	98	4	5	54	47	18															

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

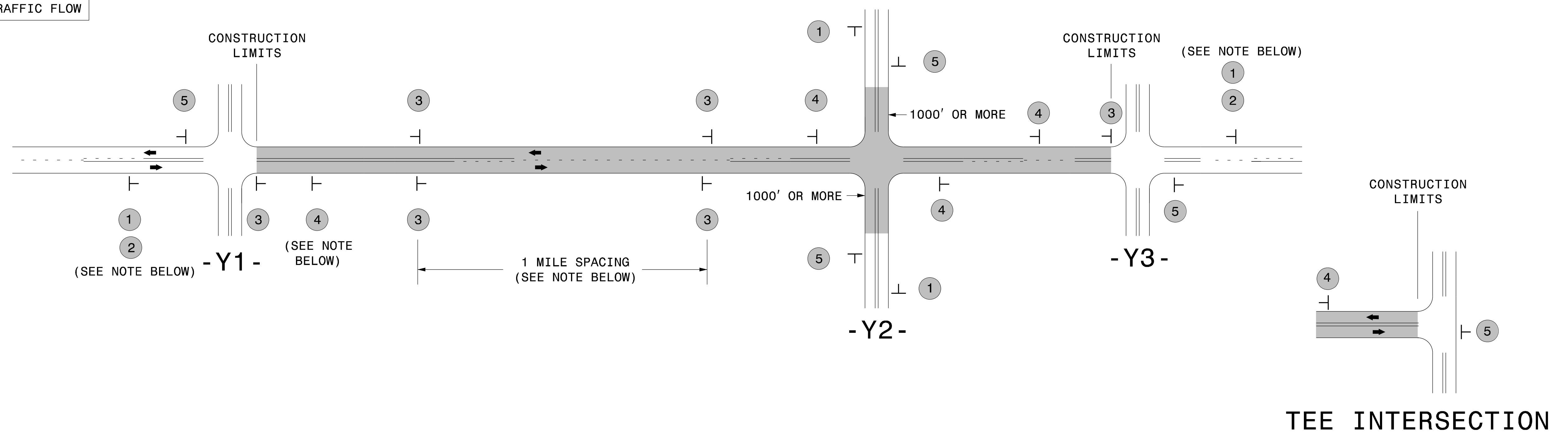
THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4810000000-E		4815000000-E		4820000000-E		4825000000-E		4830000000-E		4835000000-E		4840000000-N			4845000000-N			4847010000-E	4905000000-N		
										MI	FT	4" YELLOW PAINT	4" WHITE PAINT	6" YELLOW PAINT	8" YELLOW PAINT	8" WHITE PAINT	12" YELLOW PAINT	12" WHITE PAINT	16" WHITE PAINT	24" WHITE PAINT	PAINT MSG RXR	PAINT MSG ONLY	PAINT MSG SCHOOL	PAINT LT ARROW	PAINT MERGE ARROW	PAINT LT STR RT ARROW	PAINT STR ARROW	PAINT STR & RT ARROW	PAINT RT ARROW	POLYUREA PAVEMENT MARKING LINES (4", 20 MILS)	SNOW PLOWABLE MARKERS
2020CPT.09.07.10801	Rowan	1	US 52	FROM PAVEMENT JT. NEAR SHIPTON LOOP SR 2367 TO CABARRUS COUNTY LINE	2	2	2WU	3.863	varies 26-29								100	121	4									82,475	255		
TOTAL FOR MAP NO. 1									3.863	40,914						100	121	4									82,475	255			
TOTAL FOR PROJ NO. 2020CPT.09.07.10801									3.863	40,914						100	121	4											82,475	255	
										40,914																					
2020CPT.09.08.20801	Rowan	2	BRINGLE FERRY RD. SR 1002	FROM AGNER RD. SR 2136 TO BRIDGE # 103 OVER HIGH ROCK LAKE	2	2	2WU	2.208	varies 22-23																						
TOTAL FOR MAP NO. 2									2.208																						
2020CPT.09.08.20801	Rowan	3	S. LONG ST. / OLD CONCORD RD. / SALISBURY RD. SR 1002	FROM E. INNES ST. SR 2200 TO PVMT. JT NORTH OF JAKE ALEXANDER BLVD. SR 1007	2,3	2	MU	1.638	varies 21-60	18,277	9,449		24	246	38		100	316	4				16	4	5	12	17	2			
TOTAL FOR MAP NO. 3									1.638	18,277	9,449		24	246	38		100	316	4			16	4	5	12	17	2				
2020CPT.09.08.20801	Rowan	4	STOKES FERRY RD. SR 1004	AGNER RD. TO PANTHER CREEK RD. SR 2141	1	2	2WU	2.429	22																						
TOTAL FOR MAP NO. 4									2.429																						
2020CPT.09.08.20801	Rowan	5	STOKES FERRY RD. SR 1004	PVMT. JT AT BRIDGE # 146 TO E.O.P. AT E. INNES ST. (US 52)	2,3	2	2WU	1.072	varies 24-45	14,285	466		175										7					2			
TOTAL FOR MAP NO. 5									1.072	14,285	466		175										7					2			
2020CPT.09.08.20801	Rowan	6	JAKE ALEXANDER BLVD. SR 1007	FROM E.O.P. AT STOKES FERRY RD. SR 1004 TOPVMT. JT. NEAR OLD CONCORD RD. SR 1002	3	5	MU	1.106	60	12,250	3,660					115	100	369	4	16						12	12	7			
TOTAL FOR MAP NO. 6									1.106	12,250	3,660				115	100	369	4	16						12	12	7				
2020CPT.09.08.20801	Rowan	7	KIMBALL RD. SR 1211	S. MAIN ST. PVMT. JT TO PATTERSON ST. SR 1225	4	2	2WU	1.388	varies 25-27	14,657													6								
TOTAL FOR MAP NO. 7									1.388	14,657												6									
2020CPT.09.08.20801	Rowan	8	CEDAR SPRINGS RD. SR 1560	FROM PVMT. JT. NORTH OF SOUTHMARK DR. TO AIRPORT RD. SR 1516	1	2	2WU	0.835	varies 22-23	8,812																					
TOTAL FOR MAP NO. 8									0.835	8,812																					
2020CPT.09.08.20801	Rowan	9	HARRISON RD. SR 1710	SHERRILLS FORD RD SR 1526 TO JAKE ALEXANDER BLVD. /US601	5	2	2WU	2.229	varies 24-37	28,823	414		175	744					4				13			3		5			
TOTAL FOR MAP NO. 9									2.229	28,823	414		175	744				4				13			3		5				
2020CPT.09.08.20801	Rowan	10	W. MAIN ST. SR 1847	US 70/STATESVILLE BLVD. TO EAST CITY LIMIT NEAR CARR ST.	2,3	2	MU	1.338	varies 18-36	15,228	641		46													1	2	608			
TOTAL FOR MAP NO. 10									1.338	15,228	641		46													1	2	608			
2020CPT.09.08.20801	Rowan	11	E. MAIN ST. / OLD HWY 70 SR 1957	EAST CITY LIMIT NEAR CARR ST. TO RXR TRACK	6	2	2WU	1.568	varies 17-21	16,872						50	25	2													
TOTAL FOR MAP NO. 11									1.568	16,872					50	25	2														
2020CPT.09.08.20801	Rowan	12	BAKER MILL RD. / OLD HWY 70 SR 1957	RXR TRACKS TO NC 801	9	2	2WU	1.492	varies 17-21	15,750						50	25	2													
TOTAL FOR MAP NO. 12									1.492	15,750					50	25	2														
2020CPT.09.08.20801	Rowan	13	W. INNES ST. SR 2200	FROM S. FULTON ST. TO RXR BRIDGE # 381	3	2	MU	0.429	varies 50-60	1,882	1,294												5			27	15				
TOTAL FOR MAP NO. 13									0.429	1,882	1,294													5			27	15			
2020CPT.09.08.20801	Rowan	14	LINK ST. SR 2332	HWY 152 PVMT. JT TO US 52/W. MAIN ST.	1	2	2WU	0.441	varies 23-52	4,657			954			250	100	140	4												
TOTAL FOR MAP NO. 14									0.441	4,657			954		250	100	140	4													
2020CPT.09.08.20801	Rowan	15	RAINEY ST. SR 2530	FAITH RD./MAIN ST. SR 1006 TO THROUGH INTERSECTION OF YATES RD. SR 2531	7,8	2	2WU	0.561	varies 19-24	5,924																					
TOTAL FOR MAP NO. 15									0.561	5,924																					
2020CPT.09.08.20801	Rowan	16	FLAT ROCK RD. SR 1210	PATTERSON ST. SR 1225 TO MT. MORIAH RD. SR 1197	4	2	2WU	1.543	varies 21-32	16,904	216				65								6			6		1			
TOTAL FOR MAP NO. 16									1.543	16,904	216				65								6			6		1			
2020CPT.09.08.20801	Rowan	17	MAJOLICA RD. SR 1722	US 70/STATESVILLE BLVD. TO SHERRILLS FORD RD. SR 1526	10	2	2WU	1.703	varies 20-21	17,984	151					100	92	4													
TOTAL FOR MAP NO. 17									1.703	17,984	151				100	92	4														
TOTAL FOR PROJ NO. 2020CPT.09.08.20801									21.98	192,305	16,291	39,983	245	2,957	962	250	500	1,722	20	20	18	99	4	5	54	46	18	608			
										208,596				3,202		1,212					58										
GRAND TOTAL									25.843	233,219	16,291	39,983	245	2,957	962	250	600	1,843	24	20	18	99	4	5	54	46	18	83,083	255		
										249,510				3,202		1,212				62											

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"	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, 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 style="text-align: center;"> W20-1 48" X 48" PLACED 500' IN ADVANCE OF FLAGGER. </div> <div style="text-align: center;"> W20-7 A 48" X 48" PLACED 250' IN ADVANCE OF FLAGGER. </div> </div>
	2	 W7-3aP 24" X 18"	#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)	
	3	 SP 13107 48" X 48"	<ul style="list-style-type: none"> - 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"	<ul style="list-style-type: none"> - 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. 	
	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.

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.



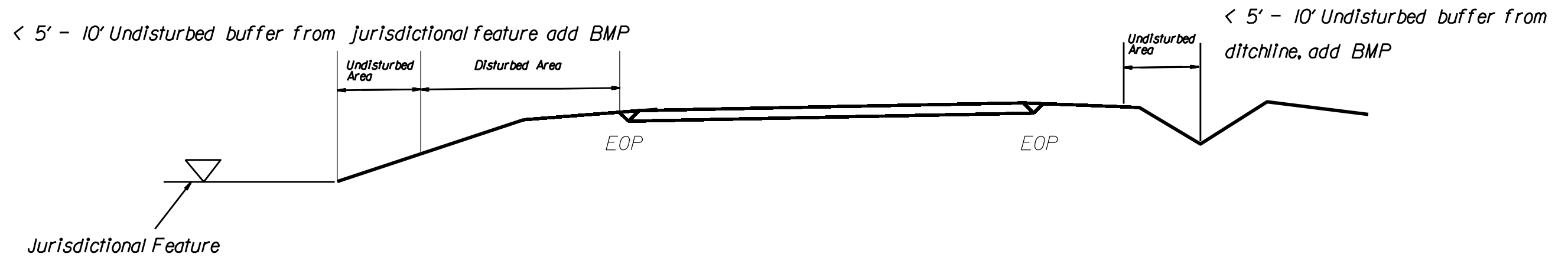
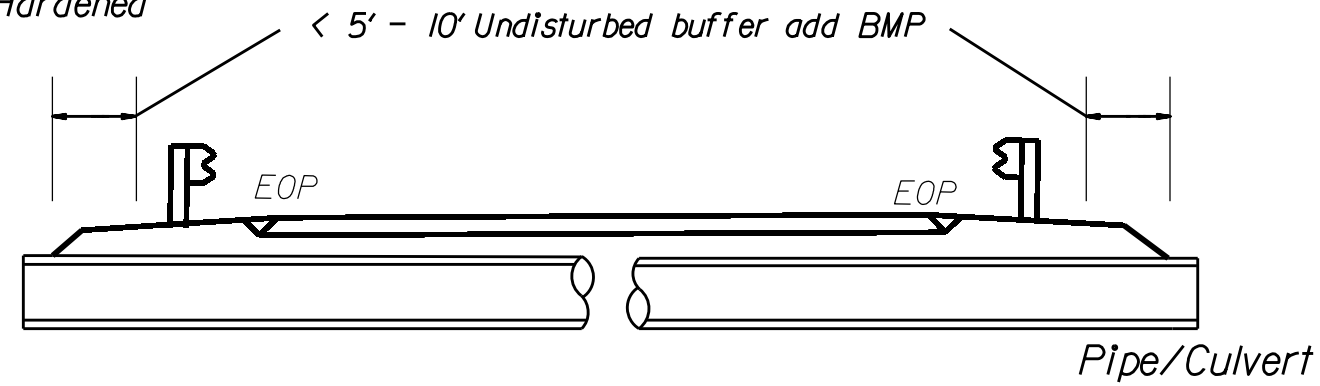
ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

5/15/2017 S:\TMU\WZTC\Resurfacing\2L2W & AST Resurfacing Details\Resurfacing_AdvWarn_2Ln.dgn User:kadai

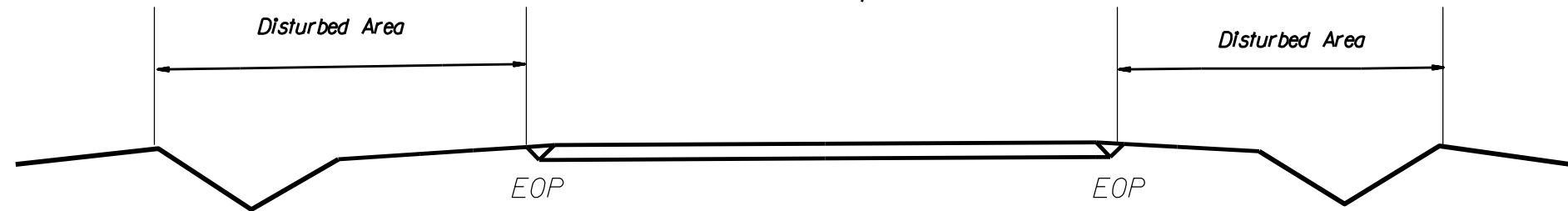
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle, Silt Fence or Hardened Aggregate.

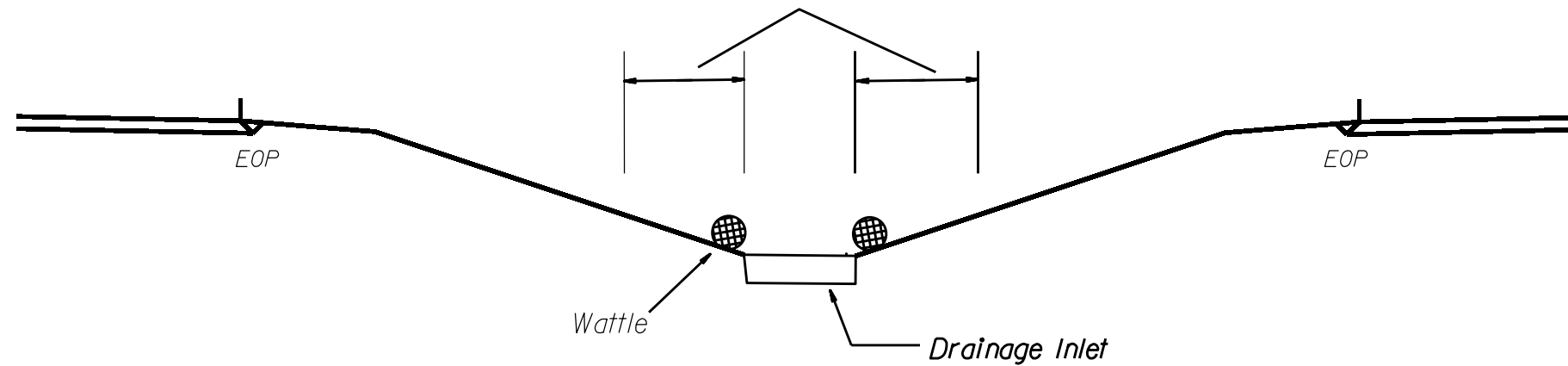
EROSION CONTROL DETAIL



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

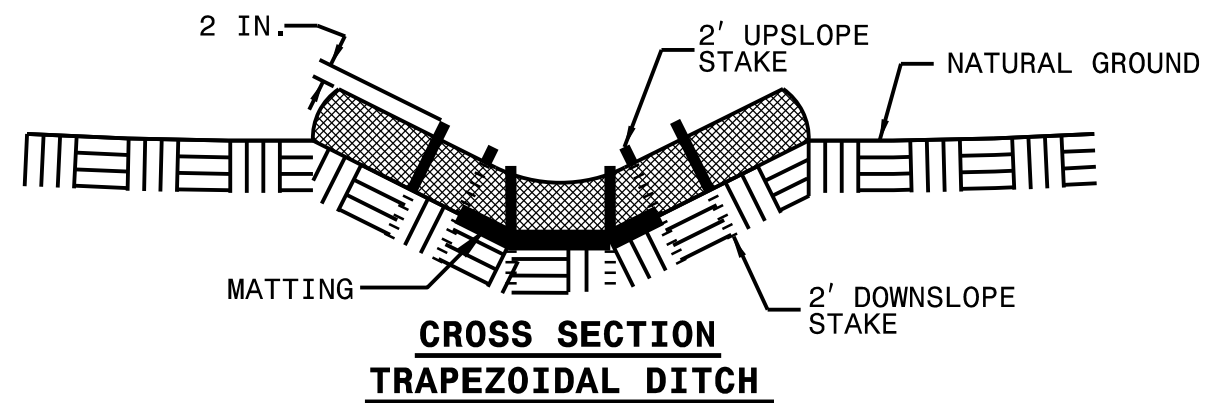
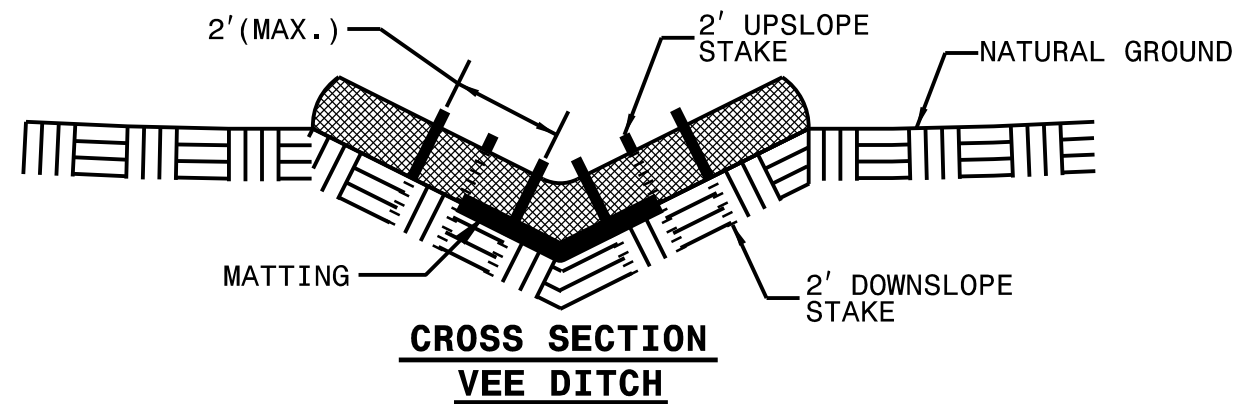
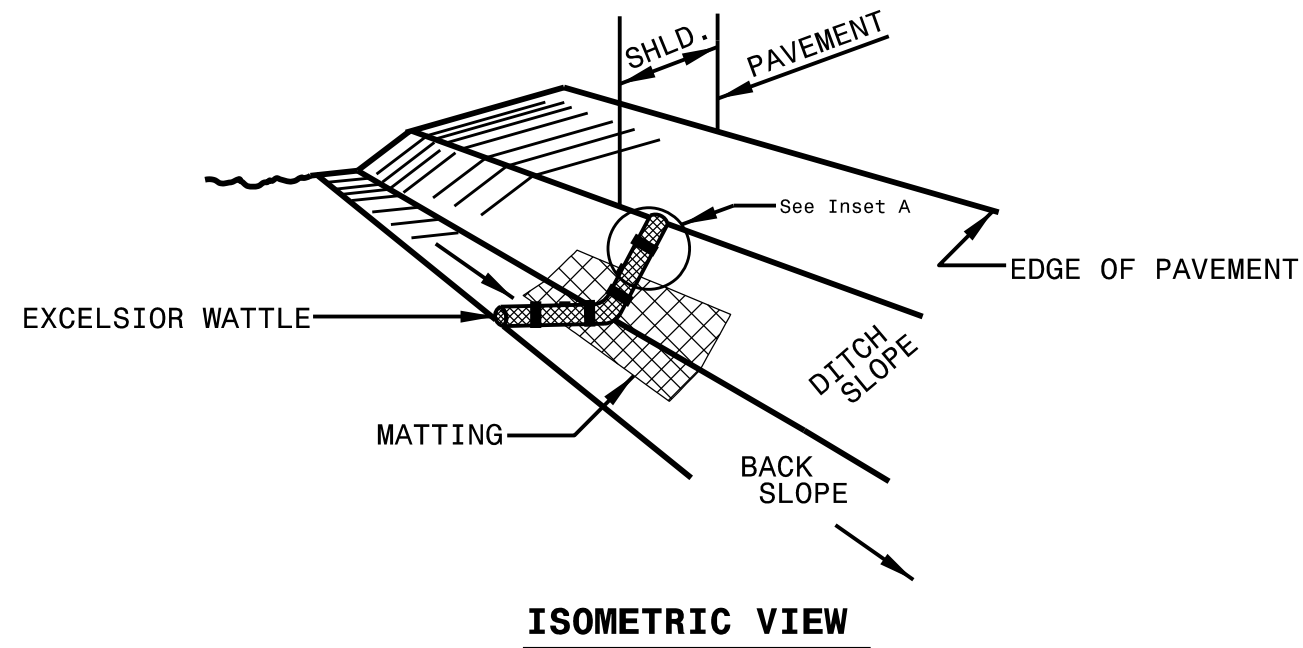


< 5' - 10' Undisturbed buffer from inlet, add wattle



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.

