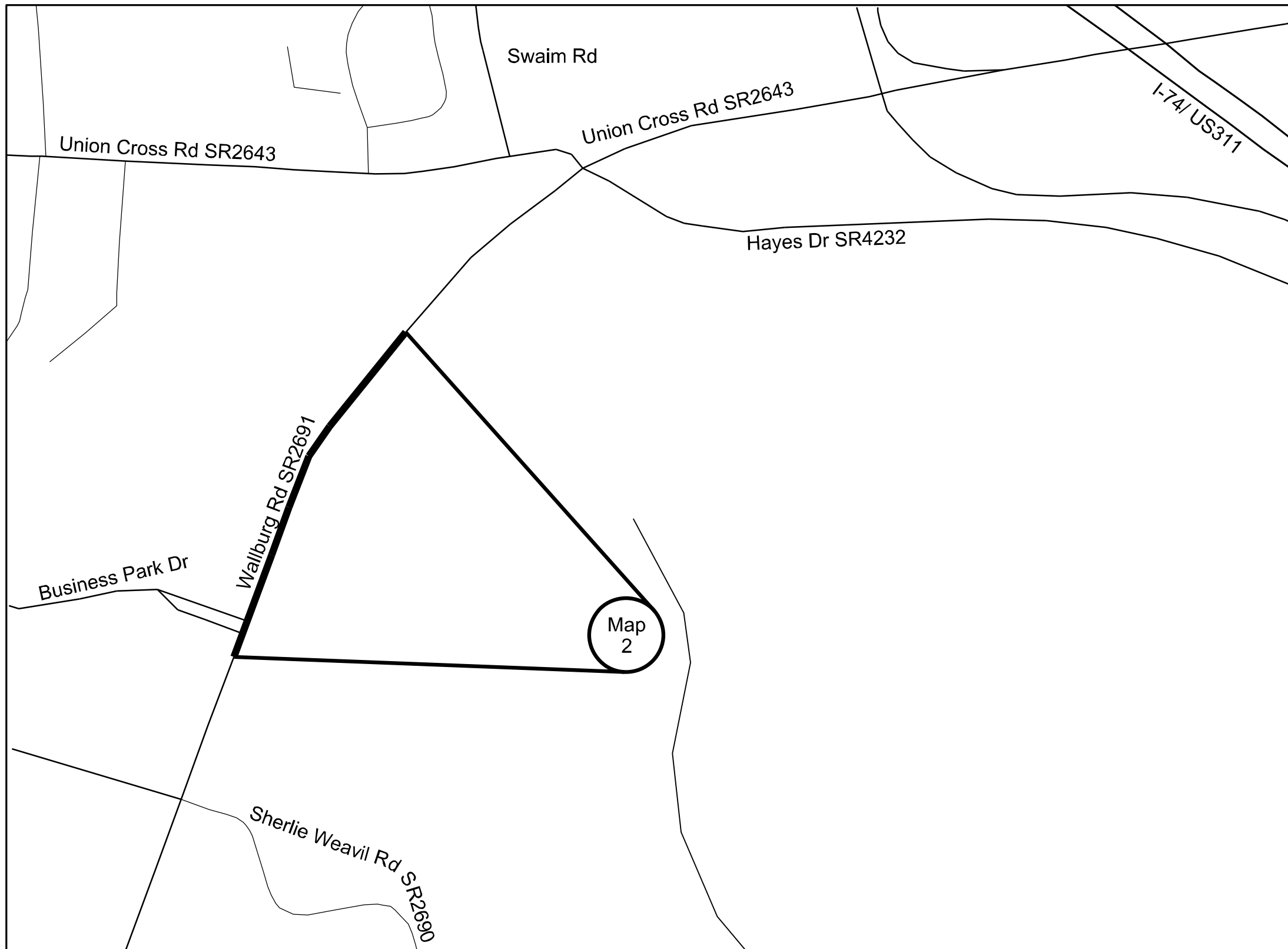
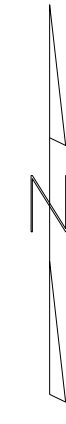
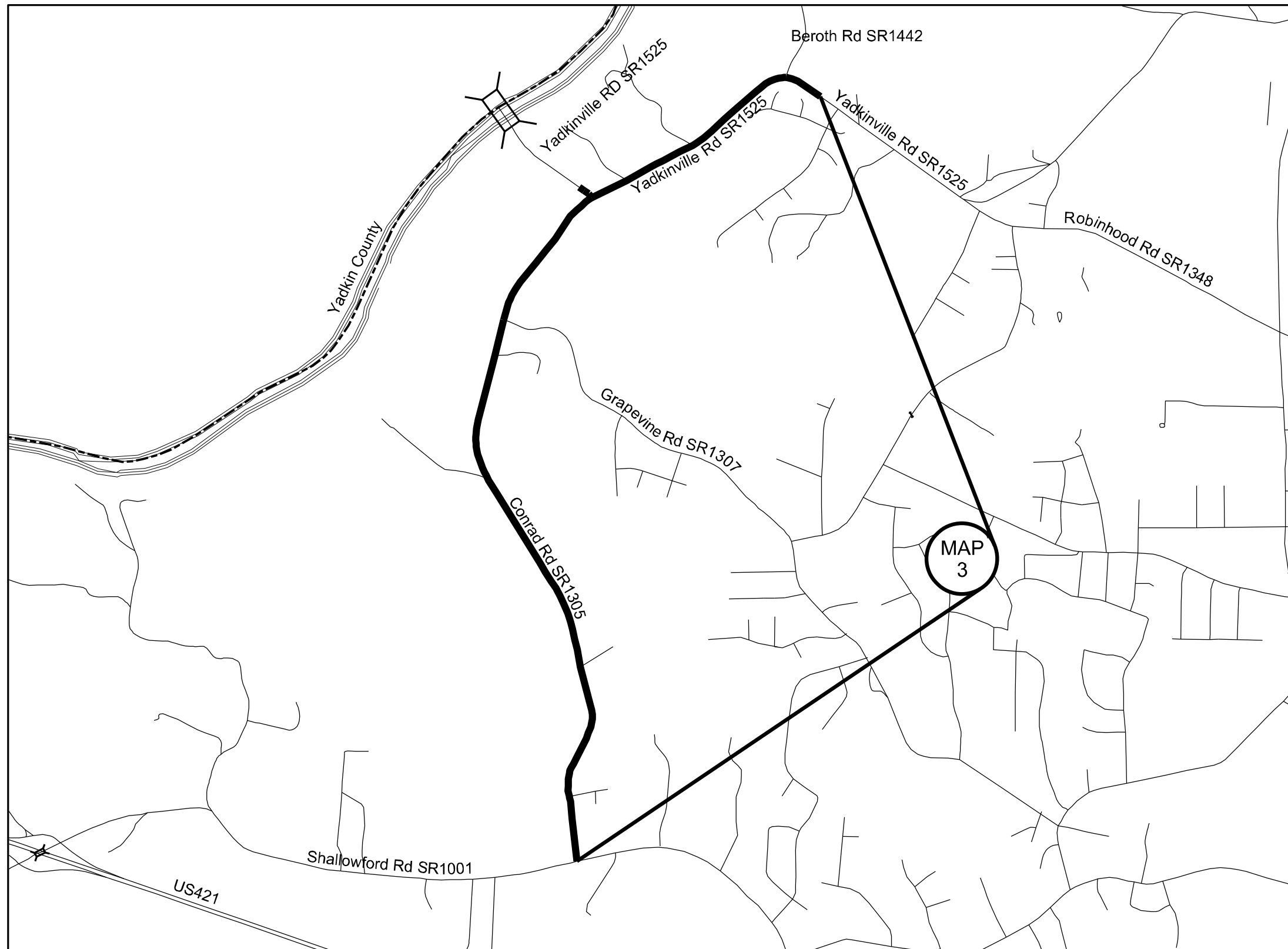


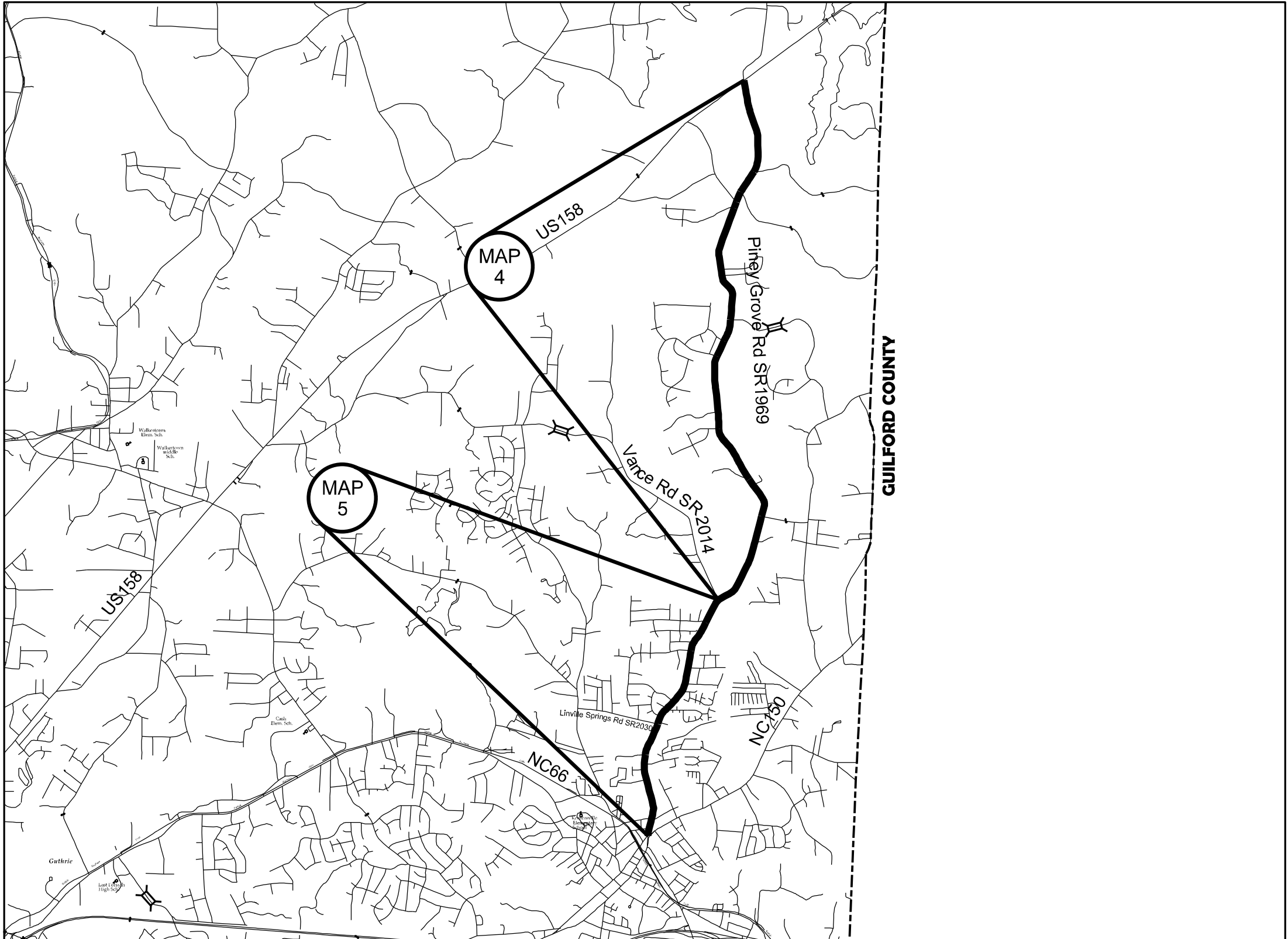
Map 1 Yadkinville Rd SR1525 from NC67 to end of curb west of Spicewood Dr SR1434 / Grandview Club Dr
 Mill 1 1/2" entire width
 Mill 1 1/2" incidental at all SR intersections
 Mill 0-2 1/2" across bridge #261 for a total of 4" off bridge deck
 Pave 1 1/2" S9.5C
 Note: coordinate with Kevin Neal Forsyth County Maintenance 336-896-2350 as to when milling will be done




 Map 2 Wallburg Rd SR2691 From
 Business Park Dr to beginning of
 curb and gutter
 Mill 4' in width and 5 1/2" in depth to add
 Approximately 2' additional width, keying
 into existing roadway approximately 2'
 for a total of 28' in width
 Mill 0-1 1/2" incidental mill beginning, end
 and at all SR intersections
 Pave 5 1/2" B25.0C in widening
 Pave 1 1/2" S9.5B

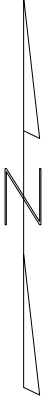
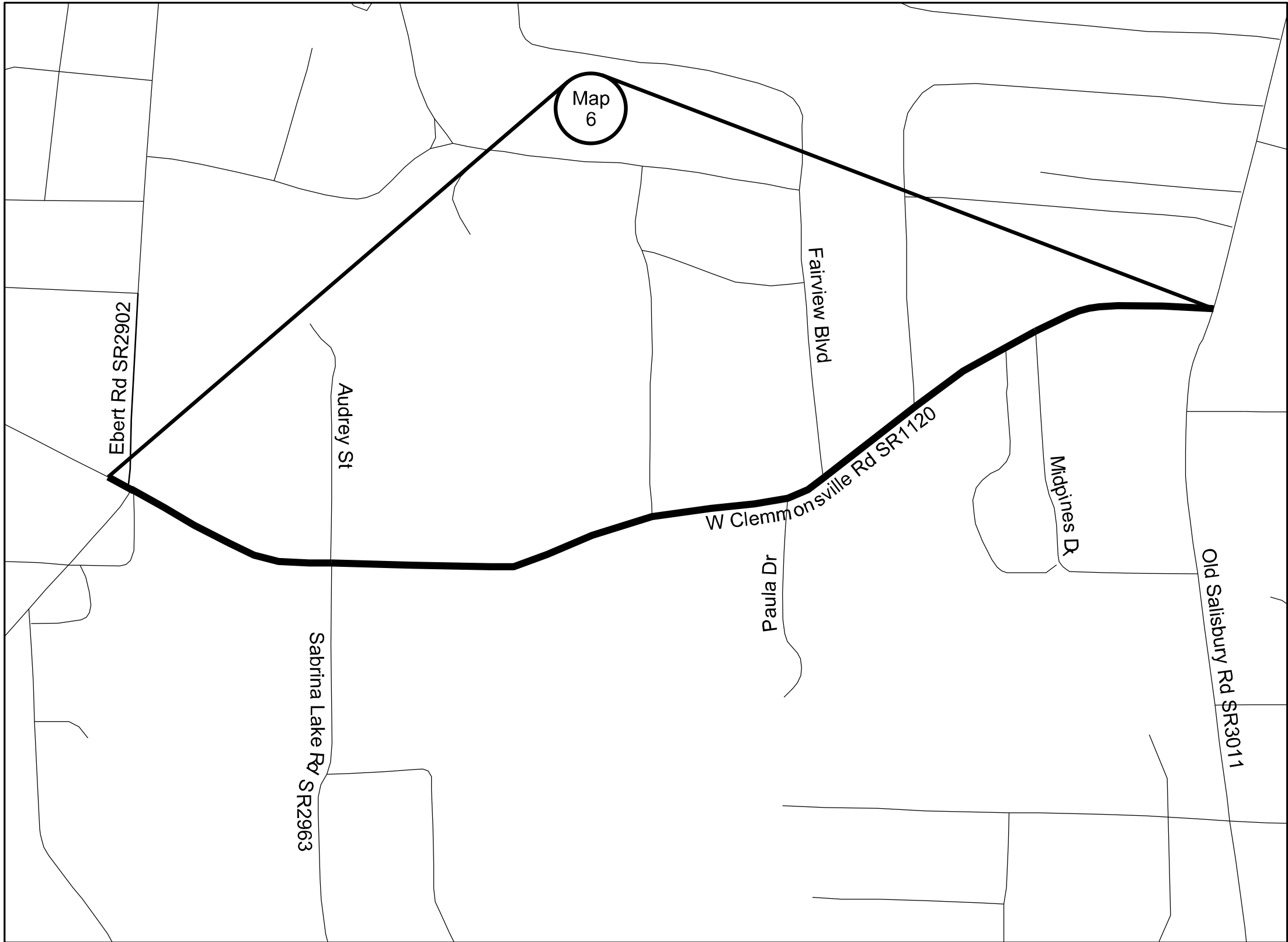


Map 3 Conrad Rd SR1305/ Yadkinville Rd SR1525 from Shallowford rd SR1001 to pvmt joint on Yadkinville Rd SR1525
Mill 0-1 1/2" incidental mill beginning, end and at all SR intersections
Patching done by contractor
Pave 1 1/2" S9.5C

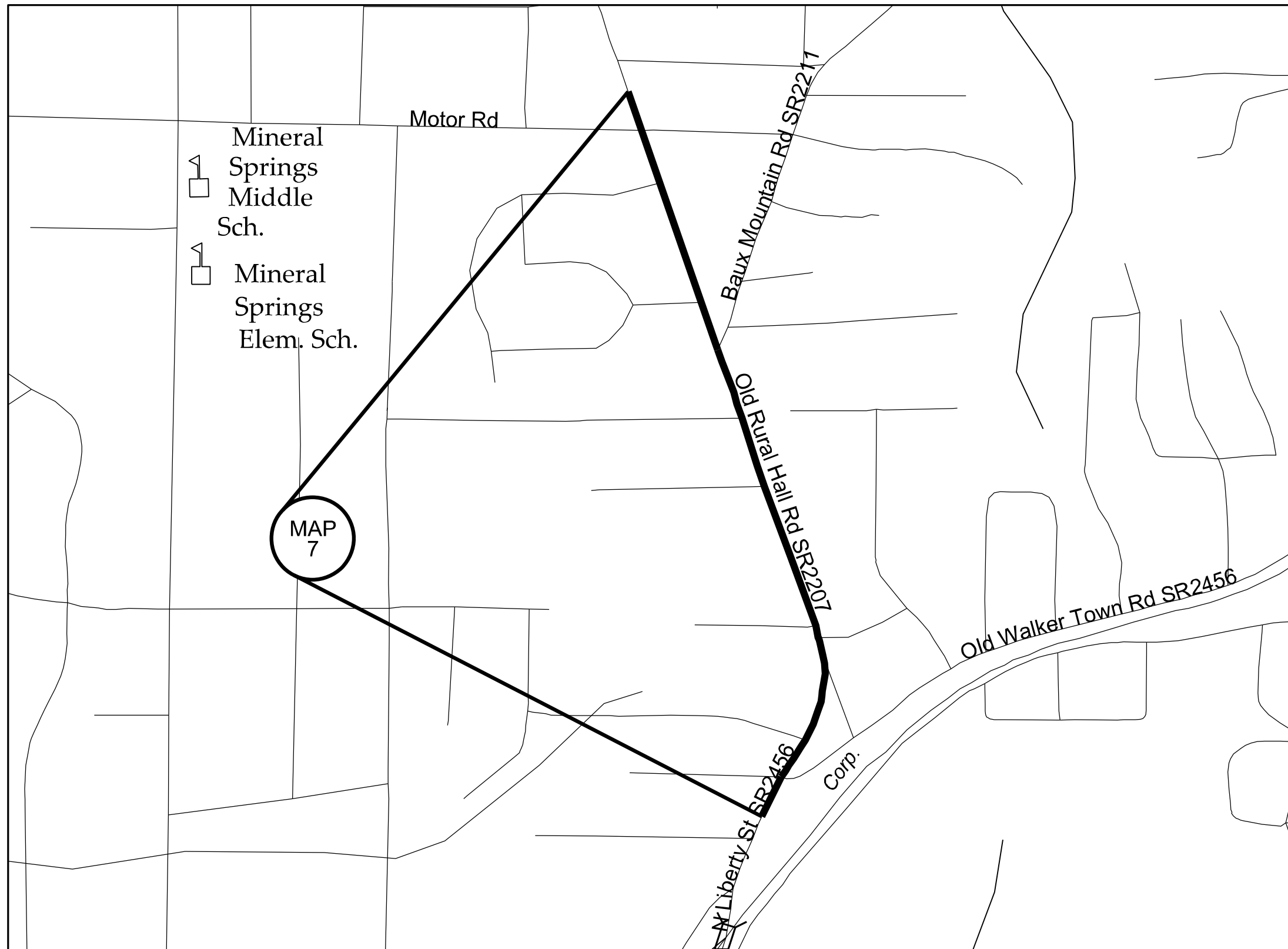


Map 4 Piney Grove Rd SR1969 from
US158 to Vance Rd SR2014
Mill 0-1 1/2 incidental mill beginning
and at all SR intersections
Patching to be done by contractor
Asphalt surface treatment, Matcoat
#67 stone
Pave 1 1/2" S9.5C

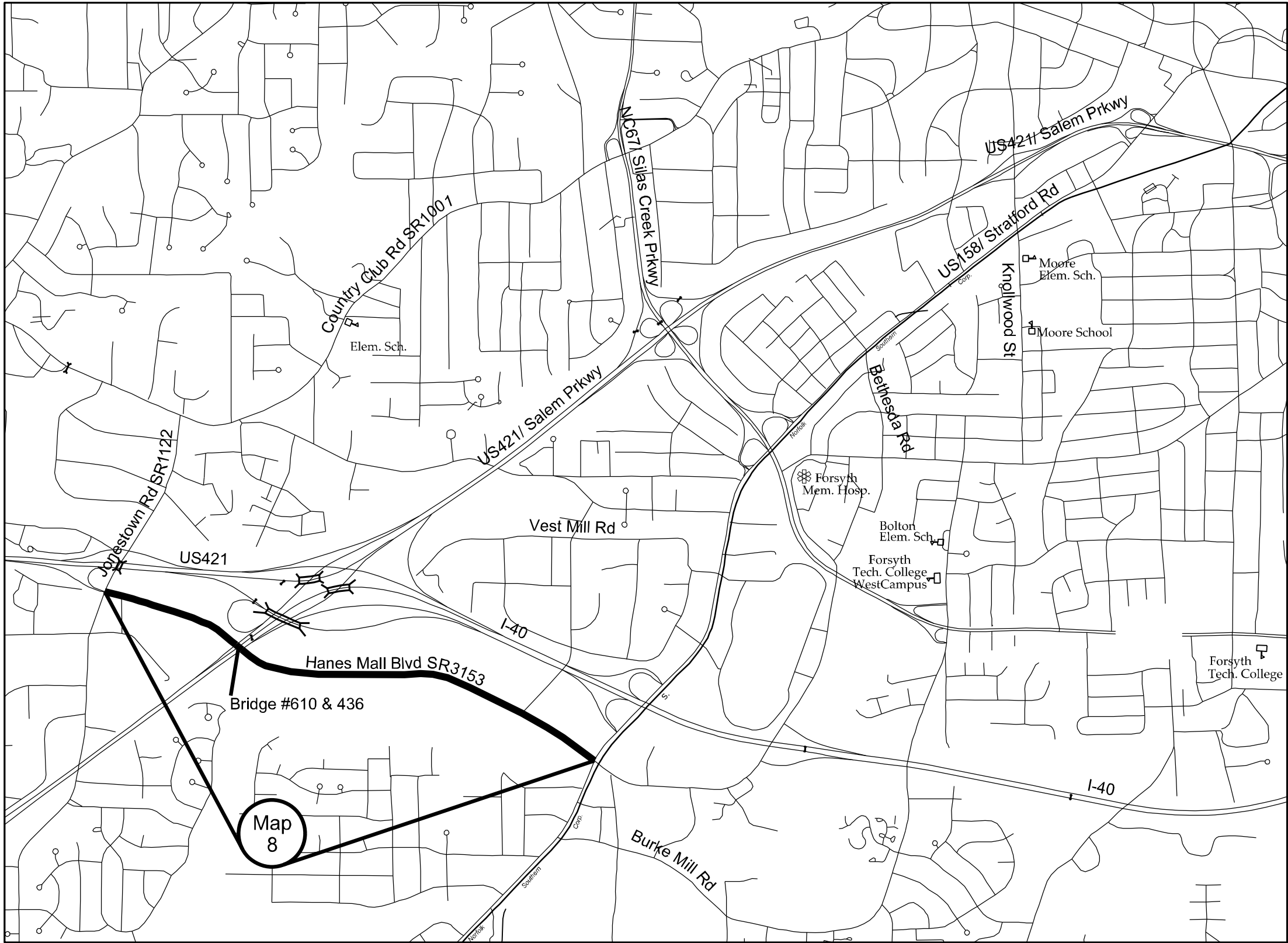
Map 5 Piney Grove Rd SR1969 from
Vance Rd SR2014 to NC150
Mill 1 1/2" entire width
Mill 1 1/2" incidental at all SR intersections
Pave 1 1/2" S9.5C



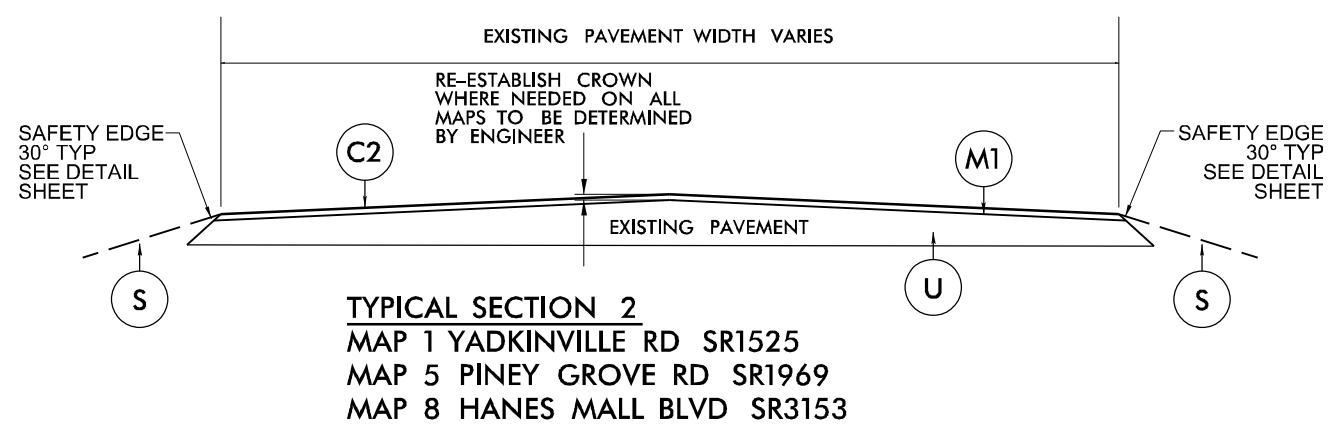
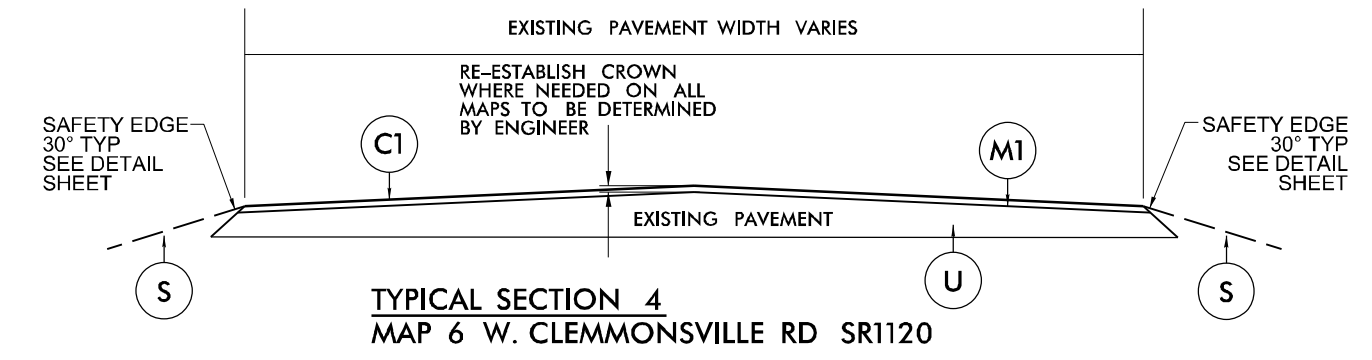
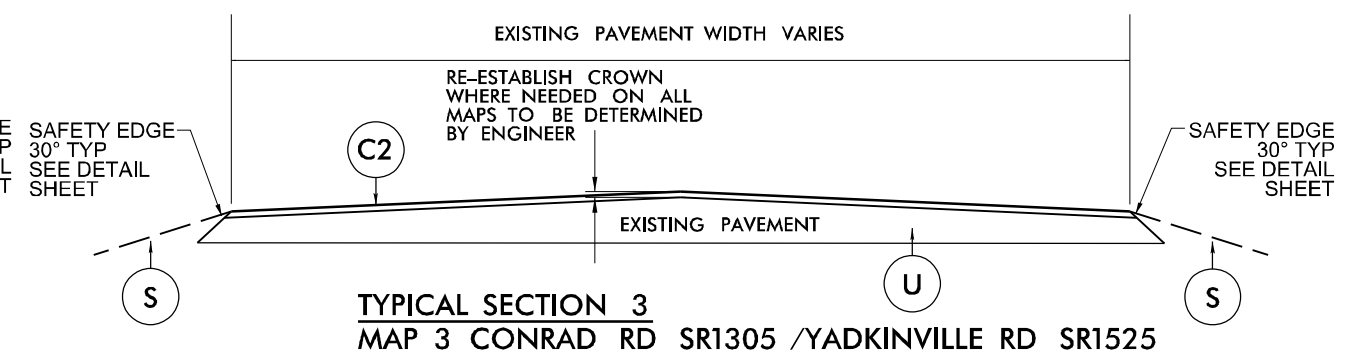
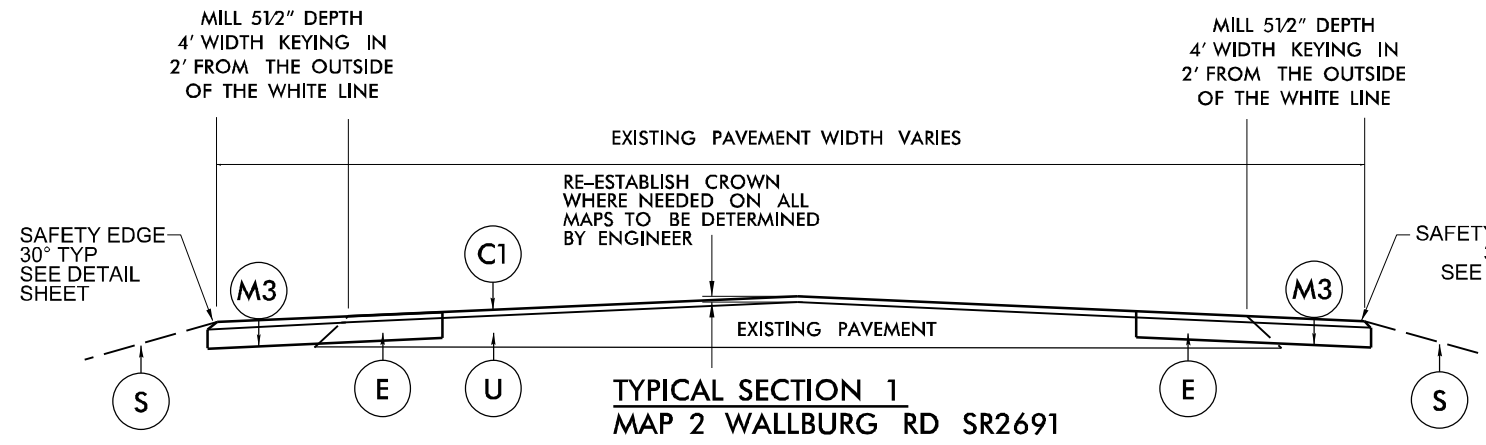
Map 6 W. Clemmons Rd SR1120 from
Old Salisbury Rd SR3011 to Ebert Rd
SR2902
Mill 1 1/2" Entire width
Mill 1 1/2" incidental at all SR intersections
Patching to be done by contractors
Pave 1 1/2" S9.5B



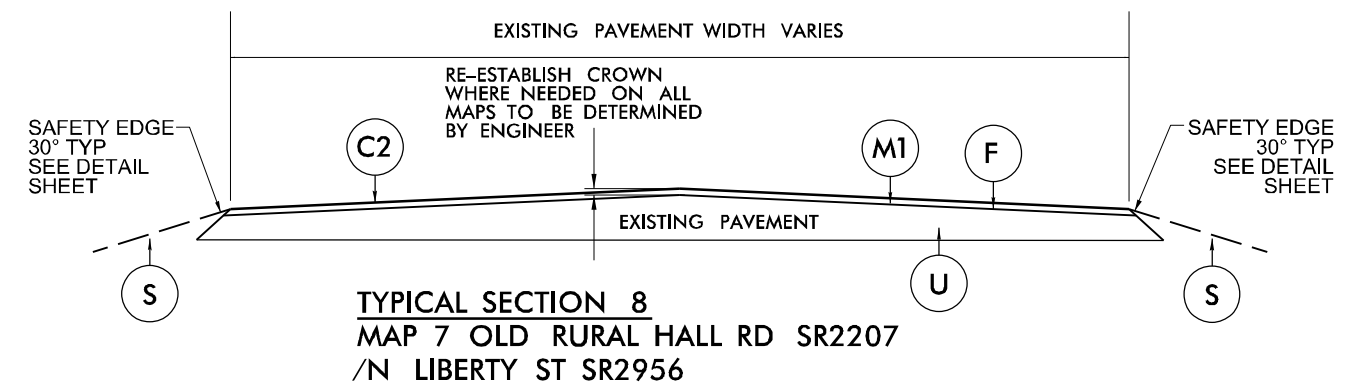
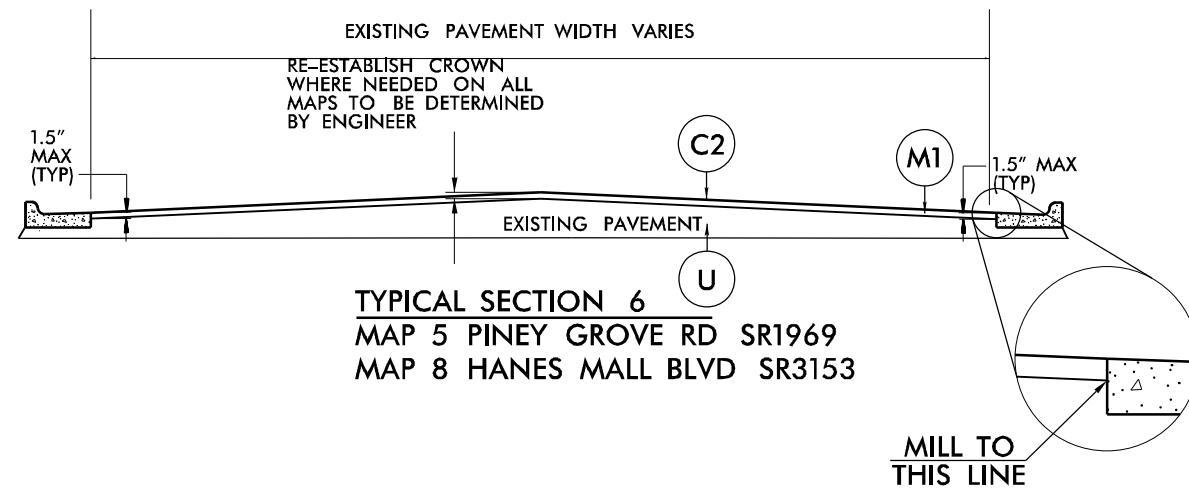
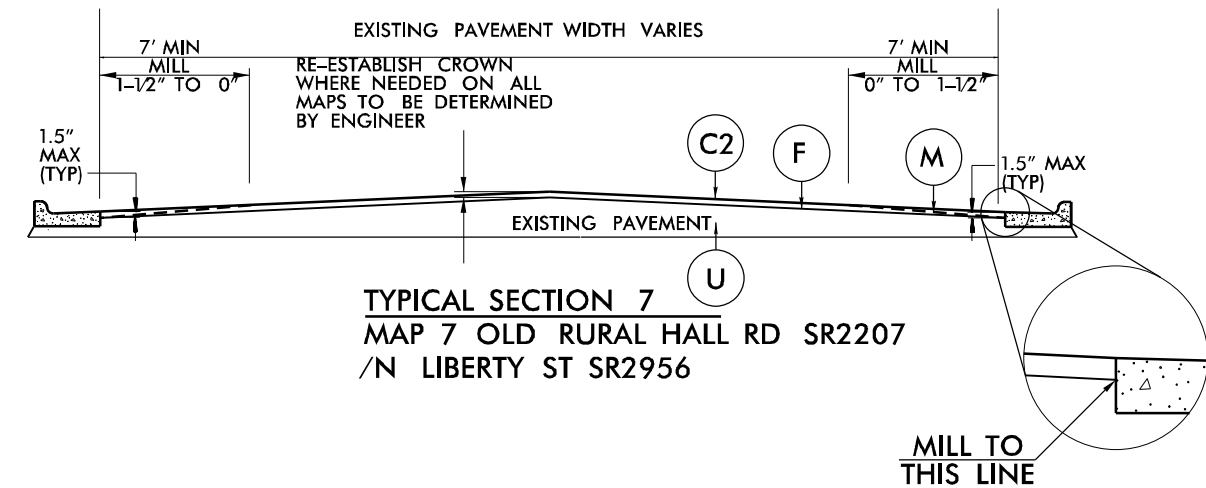
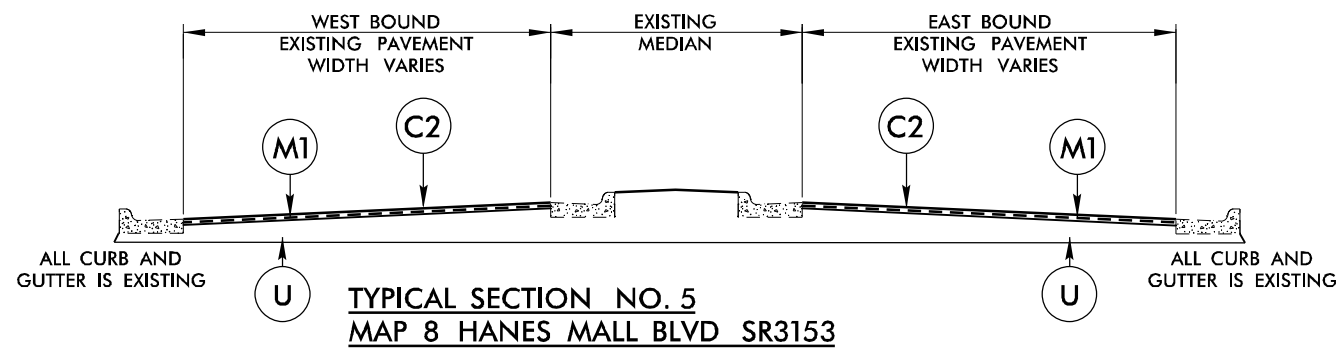
- Map 7 Old Rural Hall Rd SR2207 from north of Motor Rd to new pvt joint at N Liberty St SR2456
- Mill 1 1/2" entire width through intersection at Motor Rd
- Mill 0-1 1/2" at 7' width along curb and gutter
- Mill 0-1 1/2" incidental mill at beginning end and at all SR intersections
- Asphalt surface treatment, Matcoat #67 stone
- Pave 1 1/2" S9.5C



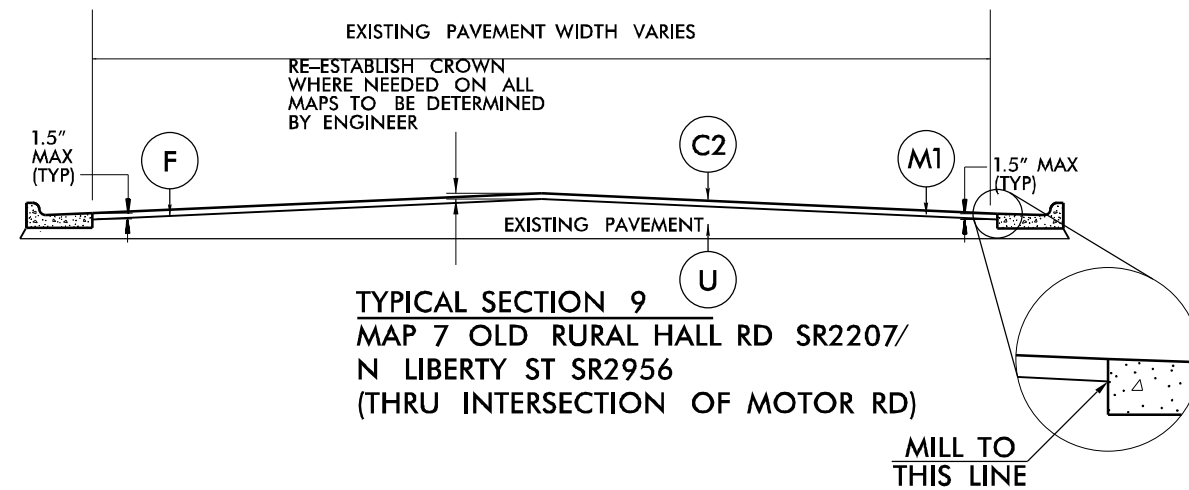
Map 8 Hanes Mall Blvd SR3153 from
 US158 to Jonestown Rd SR1122
 Mill 1 1/2" Entire width
 Patching to be done by contractor
 Pave 1 1/2" S9.5C



PAVEMENT SCHEDULE	
C1	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.
C2	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.
E	PROP. APPROX. 5 1/2" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, TO BE APPLIED AT AN AVERAGE RATE OF 627 LBS PER SQ YD.
F	ASPHALT SURFACE TREATMENT, MATCOAT, #67 STONE TO BE APPLIED AT AN AVERAGE RATE OF 38 LBS PER SY YD, EMULSION RATE OF 0.40 GAL PER SY YD
M	MILL ASPHALT PAVEMENT, 0" TO 1 1/2"
M1	MILL ASPHALT PAVEMENT, 1 1/2" DEPTH
M2	MILL ASPHALT PAVEMENT, 0" TO 2 1/2"
M3	MILL ASPHALT PAVEMENT/SHOULDER, 5 1/2" DEPTH
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT

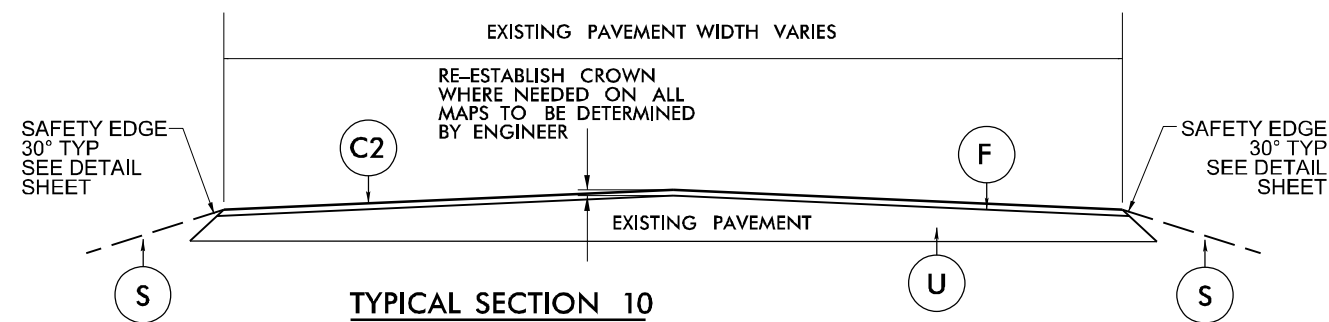


PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 165 LBS PER SQ YD.
C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD.
E	PROP. APPROX. 5½" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, TO BE APPLIED AT AN AVERAGE RATE OF 627 LBS PER SQ YD.
F	ASPHALT SURFACE TREATMENT, MATCOAT, #67 STONE TO BE APPLIED AT AN AVERAGE RATE OF 38 LBS PER SY YD, EMULSION RATE OF 0.40 GAL PER SY YD
M	MILL ASPHALT PAVEMENT, 0" TO 1½"
M1	MILL ASPHALT PAVEMENT, 1½" DEPTH
M2	MILL ASPHALT PAVEMENT, 0" TO 2½"
M3	MILL ASPHALT PAVEMENT/SHOULDER, 5½" DEPTH
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT

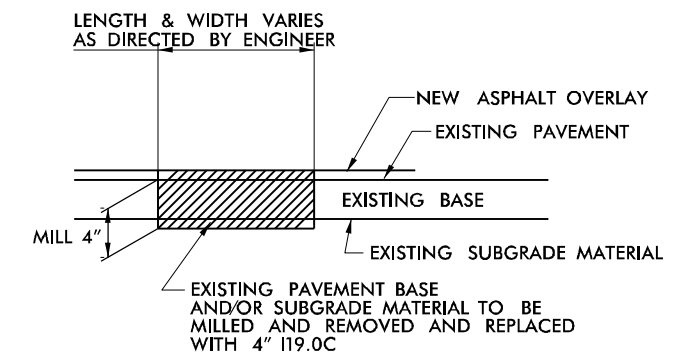


TYPICAL SECTION 9
 MAP 7 OLD RURAL HALL RD SR2207/
 N LIBERTY ST SR2956
 (THRU INTERSECTION OF MOTOR RD)

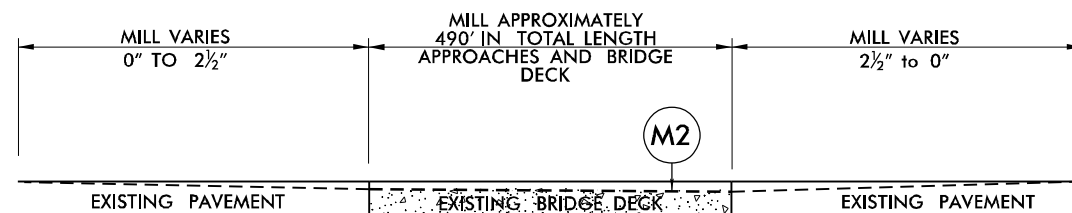
MILL TO THIS LINE



TYPICAL SECTION 10
 MAP 4 PINEY GROVE RD SR1969



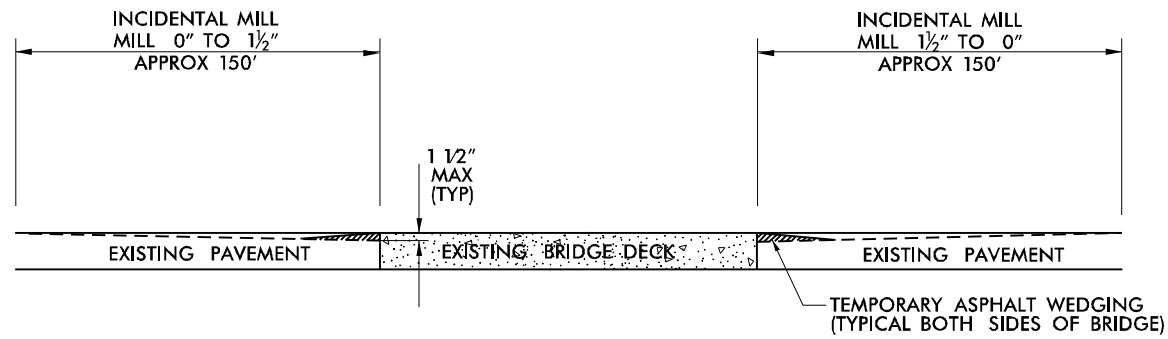
**PATCHING EXISTING PAVEMENT
 PRIOR TO RESURFACING**



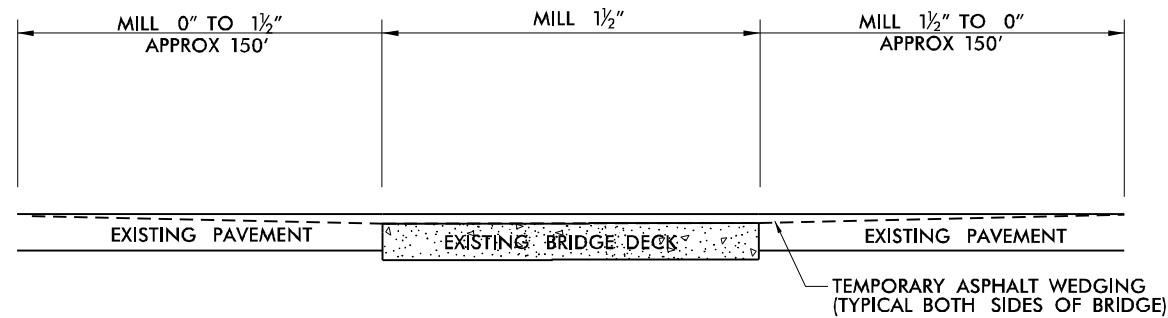
**ADDITIONAL MILLING
 YADKINVILLE RD SR1525
 ON BRIDGE #261 DECK
 AND APPROACHES FOR
 A TOTAL OF 4\"/>**

PAVEMENT SCHEDULE

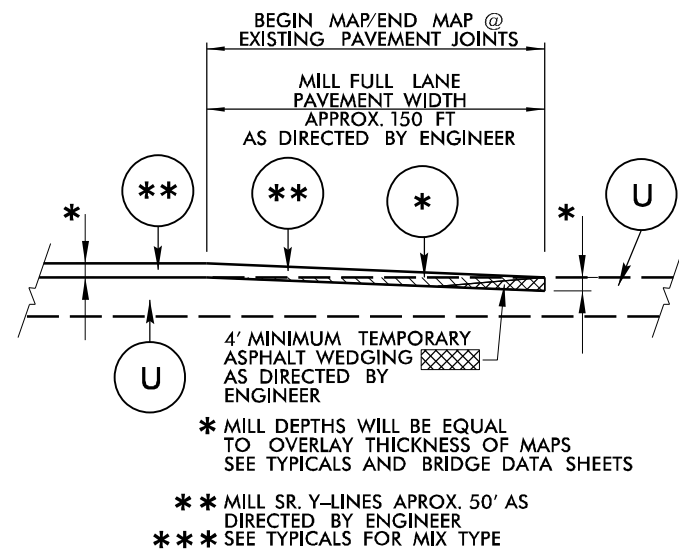
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 165 LBS PER SQ YD.
C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD.
E	PROP. APPROX. 5½" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, TO BE APPLIED AT AN AVERAGE RATE OF 627 LBS PER SQ YD.
F	ASPHALT SURFACE TREATMENT, MATCOAT, #67 STONE TO BE APPLIED AT AN AVERAGE RATE OF 38 LBS PER SY YD, EMULSION RATE OF 0.40 GAL PER SY YD
M	MILL ASPHALT PAVEMENT, 0" TO 1½"
M1	MILL ASPHALT PAVEMENT, 1½" DEPTH
M2	MILL ASPHALT PAVEMENT, 0" TO 2½"
M3	MILL ASPHALT PAVEMENT/SHOULDER, 5½" DEPTH
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT



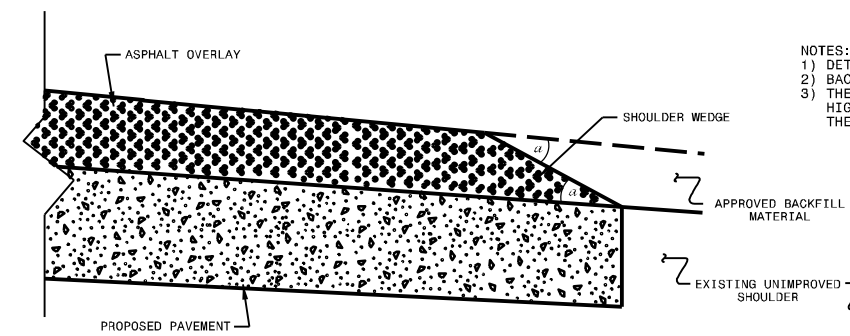
**INCIDENTAL MILLING
BRIDGE APPROACHES**
(SEE BRIDGE DATA SHEET)



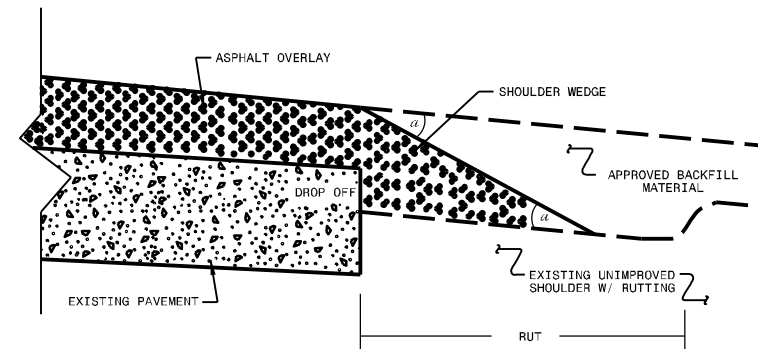
**INCIDENTAL MILLING
BRIDGE APPROACHES**
(SEE BRIDGE DATA SHEET)



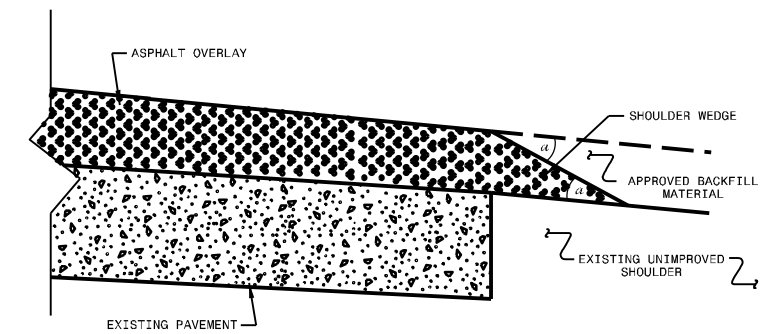
INCIDENTAL TIE-IN MILLING DETAIL



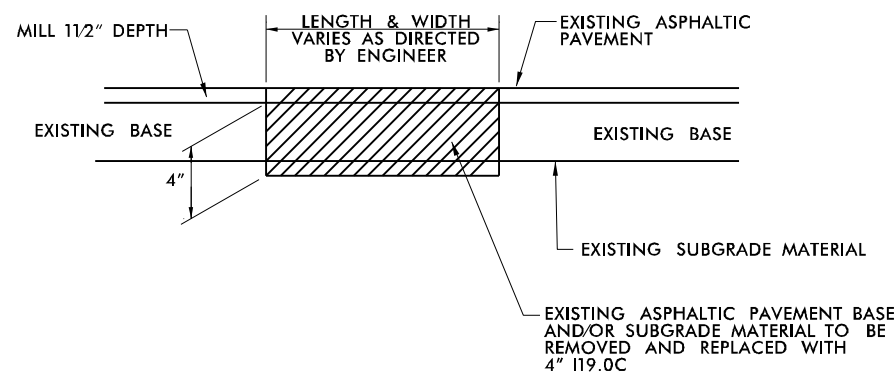
SHOULDER WEDGE DETAIL
(Resurfacing Projects w/ Widening or
with Existing Paved Shoulder having no dropoffs)



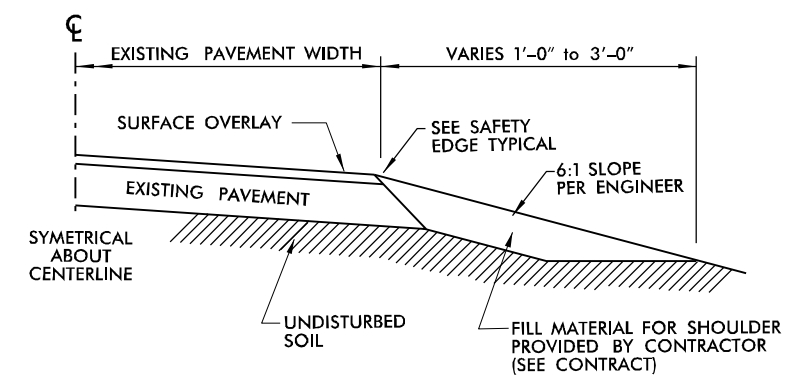
SHOULDER WEDGE DETAIL
(Resurfacing Adjacent to
Rutted Shoulder)



SHOULDER WEDGE DETAIL
(Resurfacing Projects w/ NO Widening)



FULL DEPTH PATCHING



SHOULDER RECONSTRUCTION

- 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.

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.

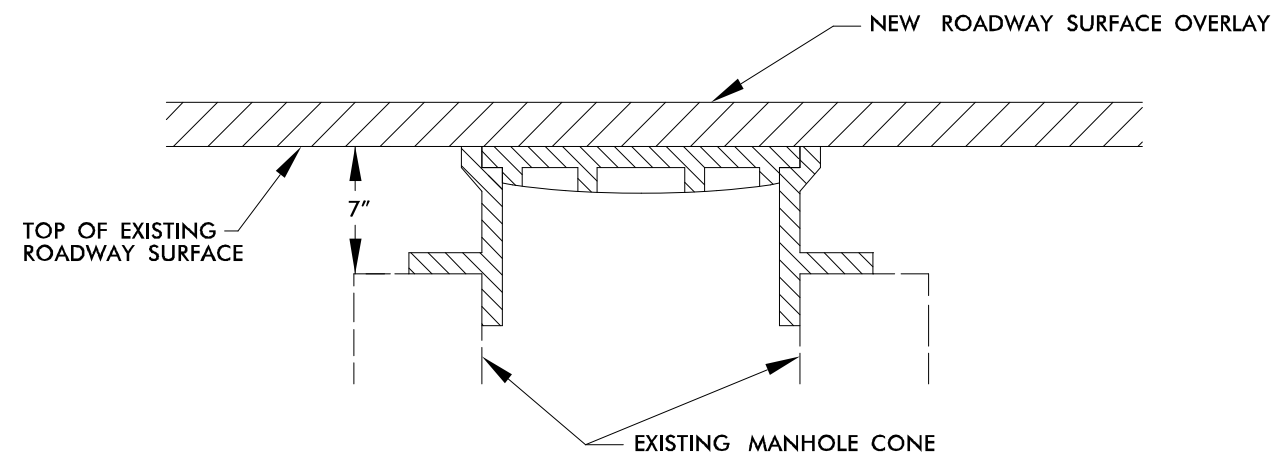
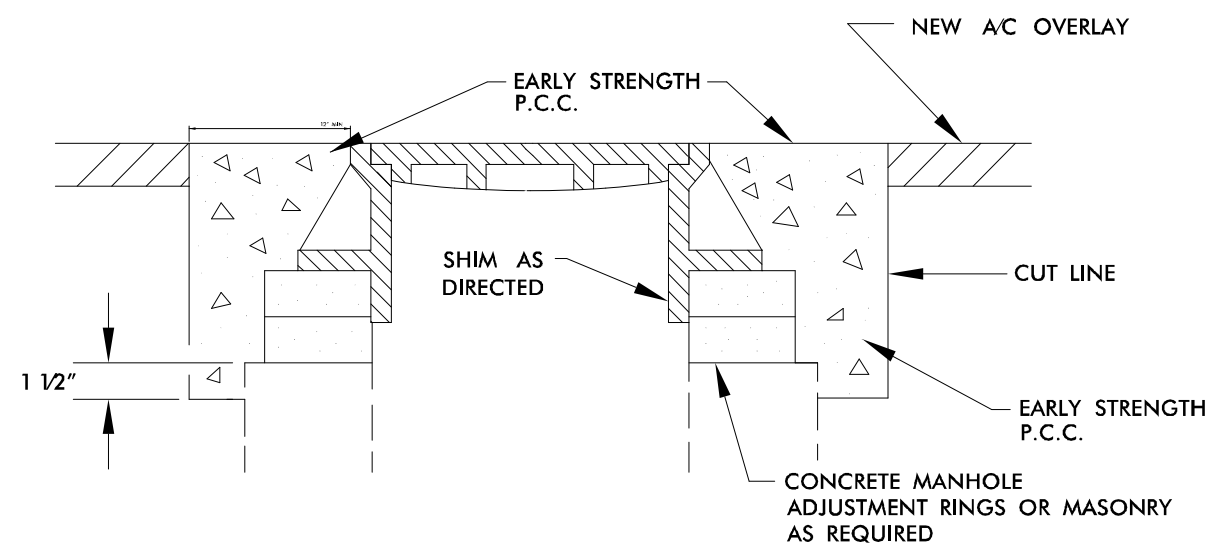
4. TEMPORARY ASPHALT WEDGING SHALL BE PLACED ON THE SAME DAY THAT BRIDGE AND/OR RAILROAD APPROACHES ARE MILLED (AND IF APPROACHES ARE MILLED PRIOR TO BRIDGE DECK).

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 AND THE WHITE EDGELINE SHALL BE LOCATED ONE FOOT 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

PROJECT NO.	SHEET NO.	TOTAL NO.
2023CPT.09.06.20341	13	

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	0106000000-E	1220000000-E	1245000000-E	1297000000-E				1308000000-E		1330000000-E	1491000000-E	1519000000-E	1523000000-E	1575000000-E	1704000000-E	1775000000-E	1838000000-E	2830000000-N	2845000000-N	5255000000-N	6000000000-E	6071010000-E												
												BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	MILLING ASPHALT PAVEMENT, 1 1/2" DEPTH	MILLING ASPHALT PAVEMENT, 5 1/2" DEPTH	MILLING ASPHALT PAVEMENT, 0" TO 2.5" DEPTH	MILLING ASPHALT PAVEMENT, 0" TO 1 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, MATCOAT, #67 STONE	EMULSION FOR ASPHALT SURFACE TREATMENT	ADJ. OF MANHOLES	ADJ. OF METER OR VALVE BOX	PORTABLE LIGHTING	TEMPORARY SILT FENCE	WATTLE														
MI	FT	CY	TONS	SMI	SY	SY	SY	SY	SY	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	EA	EA	LS	LF	LF													
2023CPT.09.06.20341	Forsyth	1	YADKINVILLE RD SR1525	FROM NC67 TO END OF CURB WEST OF SWICEGOOD DR SR1434	2	2	ZWU	NO	NO	2.516	23-52	302	20	5.03	38,503		1,470		1,410				3,824	230	10			7	6		1,006	101													
TOTAL FOR MAP NO. 1																																													
2023CPT.09.06.20341	Forsyth	2	WALLBURG RD SR2691	FROM BUSINESS PARK TO BEGINNING OF CURB AND GUTTER	1	2	ZWU	NO	NO	0.237	24-54	28	10	0.47		700		1,712	239	493				44	10							95	9												
TOTAL FOR MAP NO. 2																																													
2023CPT.09.06.20341	Forsyth	3	CONRAD RD SR1305/ YADKINVILLE RD SR1525	FROM SHALLOWFORD RD SR1001 TO PVT JOINT ON YADKINVILLE RD SR1525	3	2	ZWU	NO	NO	3.098	24-26	372	15	6.20				2,258					4,358	288	553			1	1		1,239	124													
TOTAL FOR MAP NO. 3																																													
2023CPT.09.06.20341	Forsyth	4	PINEY GROVE RD SR1969	FROM US158 TO VANCE RD SR2014	10	2	ZWU	NO	NO	4.756	24.5	571	275	9.51				3,384					7,040	469	972	73,982	29,593		5		1,902	190													
TOTAL FOR MAP NO. 4																																													
2023CPT.09.06.20341	Forsyth	5	PINEY GROVE RD SR1969	FROM VANCE RD SR2014 TO NC150	2,6	2	MU	NO	NO	1.919	24-53	230	60	3.84	41,382				995				4,091	246	10			15	10		768	77													
TOTAL FOR MAP NO. 5																																													
2023CPT.09.06.20341	Forsyth	6	W CLEMMONSVILLE RD SR1120	FROM OLD SALISBURY RD SR3011 TO EBERT RD SR2902	4	2	ZWU	NO	NO	1.082	25-51	130	35	2.16	18,929				506				1,844	128	100			1	9		433	43													
TOTAL FOR MAP NO. 6																																													
2023CPT.09.06.20341	Forsyth	7	OLD RURAL HALL RD SR2207/ N LIBERTY ST SR2456	FROM NORTH OF MOTOR RD TO NEW PVT JOINT AT N LIBERTY ST SR2456	7,8,9	2	ZWU	NO	NO	0.897	23-60	108	15	1.79	2,811				2,738	4,164			2,157	130	10	18,129	7,251	20	10		359	36													
TOTAL FOR MAP NO. 7																																													
2023CPT.09.06.20341	Forsyth	8	HANES MALL BLVD SR3153	FROM US158/STRATFORD RD TO JONESTOWN RD SR1122	2,5,6	4	MD	NO	NO	1.648	48-60	25	10	0.50	69,532								6,727	425	450			35	24	1	75	7													
TOTAL FOR MAP NO. 8																																													
TOTAL FOR PROJ NO. 2023CPT.09.06.20341																																													
GRAND TOTAL																																													

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.
2023CPT.09.06.20341	14	

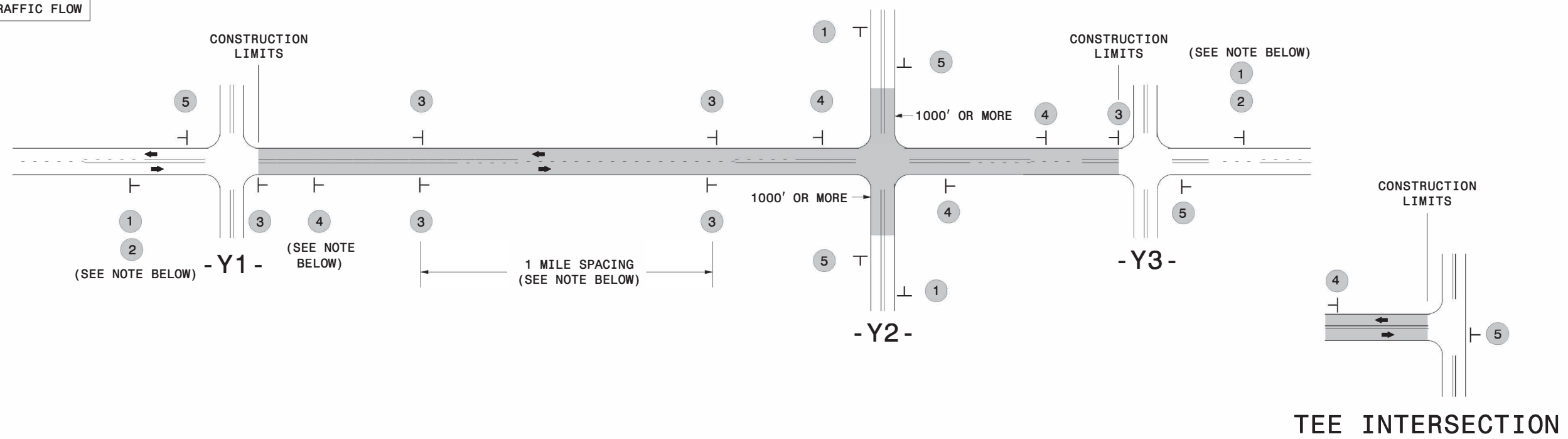
THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	4413000000-E		4457000000-N	4510000000-N	4685000000-E		4687000000-E	4688000000-E		4695000000-E		4720000000-E					4725000000-E				4810000000-E		4815000000-E	4835000000-E	4709000000-E	4704000000-E						
								LENGTH	WIDTH	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	LAW ENFORCEMENT	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	THERMOPLASTIC PAVEMENT MARKING LINES (4", 240 MILS)	6" X 90 M WHITE THERMO	6" X 90 M YELLOW THERMO	8" X 90 M YELLOW THERMO	8" X 90 M WHITE THERMO	THERMO MSG ONLY 90 M	THERMO MSG SCHOOL 90 M	THERMO MSG STOP 90 M	THERMO MSG AHEAD 90 M	THERMO RXR 90 M	THERMO LT ARROW 90 M	THERMO STR ARROW 90 M	THERMO STR & RT ARROW 90 M	THERMO RT ARROW 90 M	4" WHITE PAINT	4" YELLOW PAINT	6" WHITE PAINT	24" WHITE PAINT	24" X 90 M WHITE THERMO	PAVEMENT MARKING ITEM 16"X 90M WHITE					
								MI	FT	SF	LS	HR	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
2023CPT.09.06.20341	Forsyth	1	YADKINVILLE RD SR1525	FROM NC67 TO END OF CURB WEST OF SWICEGOOD DR SR1434	2	2	2WU	2.516	23-52	285			27,302	27,302			172	70	8	12						7	4	6		26,572	26,572			327					
TOTAL FOR MAP NO. 1								2.516	23-52	285			27,302	27,302			172	70	8	12						7	4	6		26,572	26,572			327					
2023CPT.09.06.20341	Forsyth	2	WALLBURG RD SR2691	FROM BUSINESS PARK TO BEGINNING OF CURB AND GUTTER	1	2	2WU	0.237	24-54	30			2,910	2,660			85									1	2							100					
TOTAL FOR MAP NO. 2								0.237	24-54	30			2,910	2,660			85										1	2							100				
2023CPT.09.06.20341	Forsyth	3	CONRAD RD SR1305/ YADKINVILLE RD SR1525	FROM SHALLOWFORD RD SR1001 TO PVT JOINT ON YADKINVILLE RD SR1525	3	2	2WU	3.098	24-26	350					120	33,334	33,334	75							4	5													
TOTAL FOR MAP NO. 3								3.098	24-26	350					120	33,334	33,334	75									4	5											
2023CPT.09.06.20341	Forsyth	4	PINEY GROVE RD SR1969	FROM US158 TO VANCE RD SR2014	10	2	2WU	4.756	24.5	535						52,242	52,242	250									4								100				
TOTAL FOR MAP NO. 4								4.756	24.5	535						52,242	52,242	250											4								100		
2023CPT.09.06.20341	Forsyth	5	PINEY GROVE RD SR1969	FROM VANCE RD SR2014 TO NC150	2,6	2	MU	1.919	24-53	220					23,112	25,533	383	125									28	3	6	4	23,112	25,533			273				
TOTAL FOR MAP NO. 5								1.919	24-53	220					23,112	25,533	383	125											28	3	6	4	23,112	25,533			273		
2023CPT.09.06.20341	Forsyth	6	W CLEMMONSVILLE RD SR1120	FROM OLD SALISBURY RD SR3011 TO EBERT RD SR2902	4	2	2WU	1.082	25-51	125			12,747	13,422			145										7	1		3	11,781	13,422			92				
TOTAL FOR MAP NO. 6								1.082	25-51	125			12,747	13,422			145												7	1		3	11,781	13,422			92		
2023CPT.09.06.20341	Forsyth	7	OLD RURAL HALL RD SR2207/ N LIBERTY ST SR2456	FROM NORTH OF MOTOR RD TO NEW PVT JOINT AT N LIBERTY ST SR2456	7,8,9	2	2WU	0.897	23-60	105			7,050	9,960			45										19	4	2	6					189				
TOTAL FOR MAP NO. 7								0.897	23-60	105			7,050	9,960			45												19	4	2	6					189		
2023CPT.09.06.20341	Forsyth	8	HANES MALL BLVD SR3153	FROM US158/STRATFORD RD TO JONESTOWN RD SR1122	2,5,6	4	MD	1.648	48-60	130			12,143	12,806			20	84	20							4	43	47	12	26	12,393	12,806	250	754	754	100			
TOTAL FOR MAP NO. 8								1.648	48-60	130			12,143	12,806			20	84	20										4	43	47	12	26	12,393	12,806	250	754	754	100
TOTAL FOR PROJ NO. 2023CPT.09.06.20341								16.153		1,780	1	165	62,152	66,150	120	108,688	111,109	1,175	279	28	36	4	5	4						109	61	26	41	73,858	78,333	250	754	1,835	100
GRAND TOTAL								16.153		1,780	1	165	62,152	66,150	120	108,688	111,109	1,175	279	28	36	4	5	4					109	61	26	41	73,858	78,333	250	754	1,835	100	

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		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"> 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 style="text-align: center;"> PLACED 500' IN ADVANCE OF FLAGGER. </div> <div style="text-align: center;"> PLACED 250' IN ADVANCE OF FLAGGER. </div> </div>
	2		#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		- 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		- 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		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.

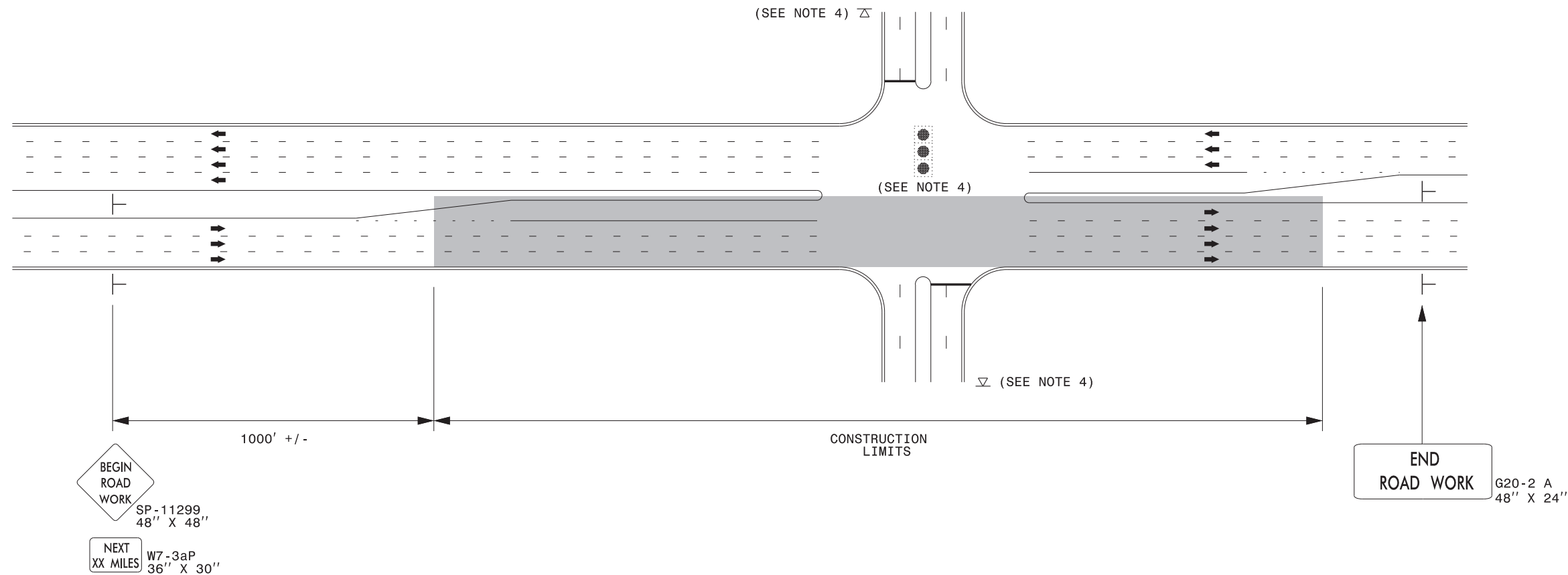
MAPS LESS THAN 2 MILES

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:\TMD\WZTC\Resurfacing\2L2W & AST Resurfacing Details\Resurfacing_AdvWarn_2Ln.dgn User:kedais

URBAN / SUBURBAN WORKZONES

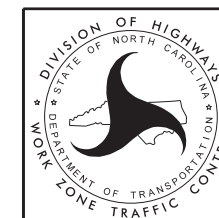


NOTES:

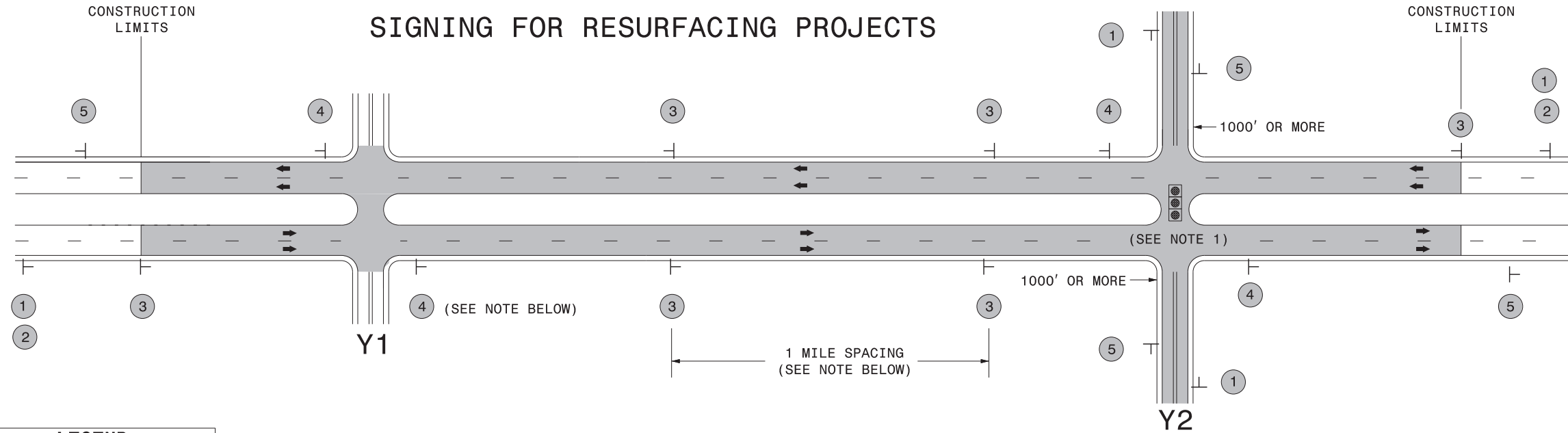
- 1) 48" x 48" SIZED SIGNS (SP- 11299) MAY BE REDUCED TO 36" X 36" ON ROADWAYS WITH SPEED LIMITS OF 40 MPH OR LESS.
- 2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
- 3) ADVANCE WARNING SIGNS NOT REQUIRED ON NON-SIGNALIZED SIDE STREETS.
- 4) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.
- 5) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 2' AS MEASURED FROM THE EDGE OF PAVEMENT OR THE FACE OF THE CURB. WHEN UNABLE TO OBTAIN THE LATERAL CLEARANCE WITHIN THE MEDIAN AREA USE SHOULDER MOUNTS ONLY.
- 6) SIGN MOUNT LOCATIONS SHALL NOT BLOCK SIDEWALKS OR DRIVEWAYS.
- 7) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
- 8) IF MILLED AREAS ARE NOT PAVED BACK BY THE END OF THE WORK DAY, PORTABLE SIGNS SHALL BE USED TO WARN DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8, "UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER WHERE LATERAL CLEARANCE CAN BE OBTAINED WITHIN THE MEDIAN AREAS. THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

LEGEND

- ├ STATIONARY SIGN
- ➔ DIRECTION OF TRAFFIC FLOW



**RESURFACING ADVANCE
WARNING SIGNS FOR
URBAN / SUBURBAN
FACILITIES**



LEGEND
 | STATIONARY SIGN
 ← DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	 	<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 RESURFACING 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"> 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <small>W20-1 48" X 48"</small> </div> <div style="text-align: center;"> <small>W20-7 A 48" X 48"</small> </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p> <p>NOTES:</p> <ol style="list-style-type: none"> 1) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.
		<p>PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.</p>	
		<p>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.</p>	
		<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</p>	

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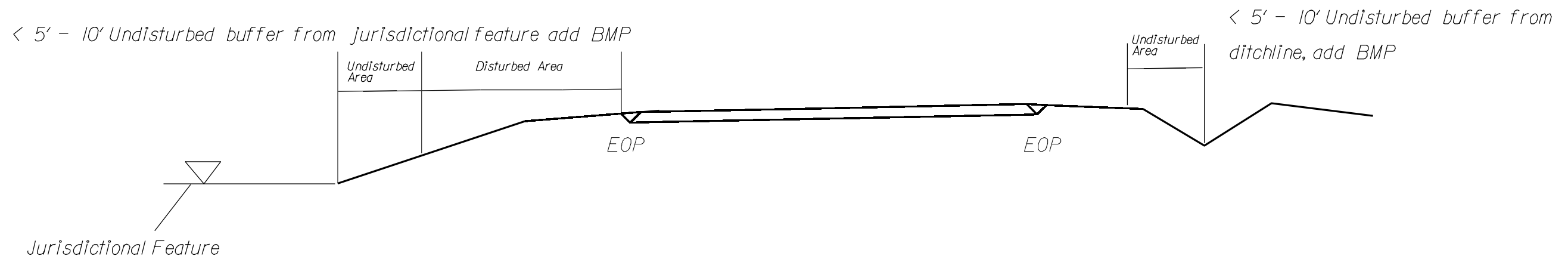
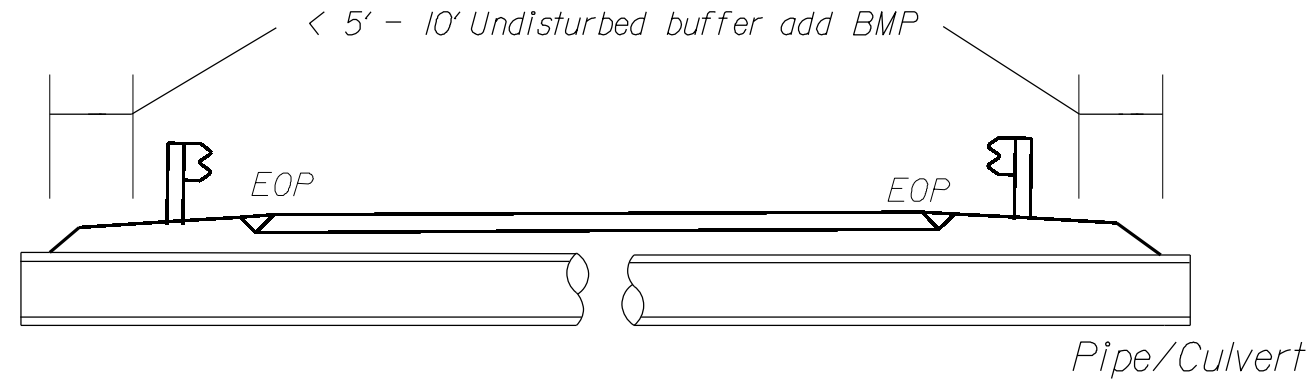
**RESURFACING
ADVANCE WARNING SIGNS
FOR RURAL AND SUBURBAN
MULTI-LANE ROADWAYS
W/ SHOULDER SECTIONS**

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

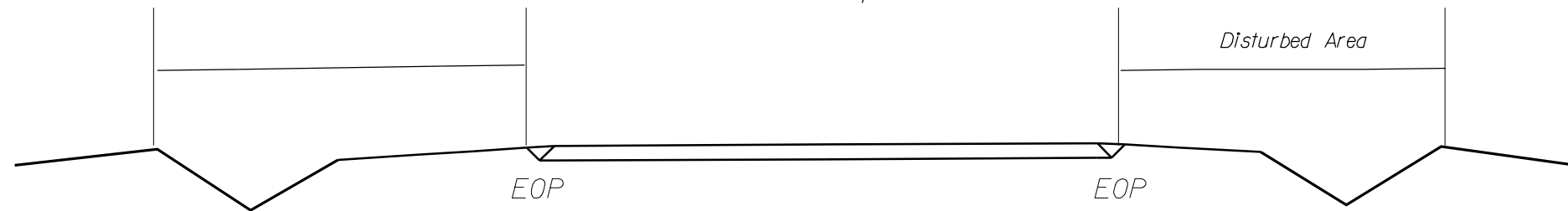
BMP Options: Wattle or Silt Fence

EROSION CONTROL DETAIL

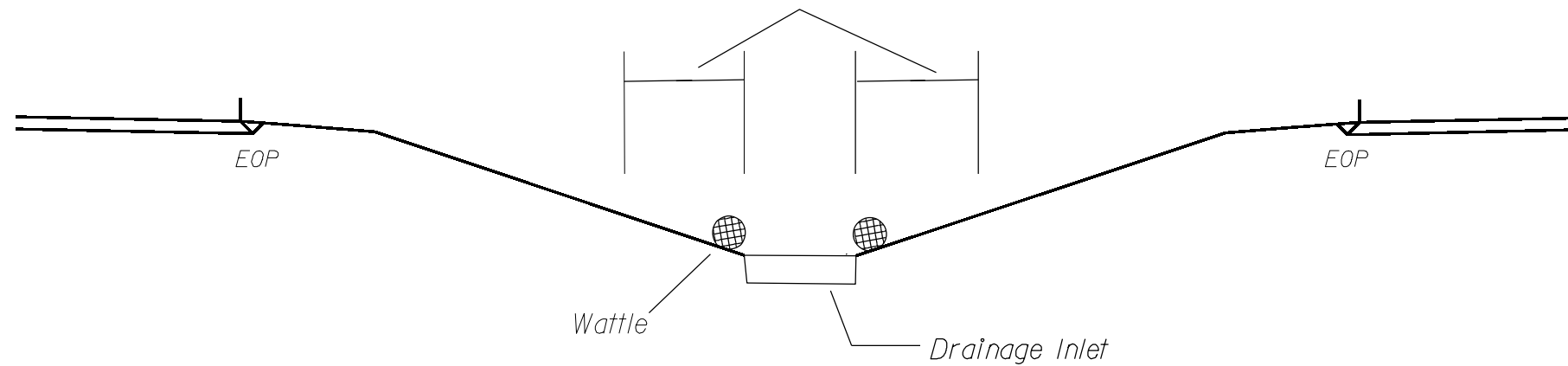
PROJECT REFERENCE NO.	SHEET NO.
2023CPT.09.06.20341	EC-1



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

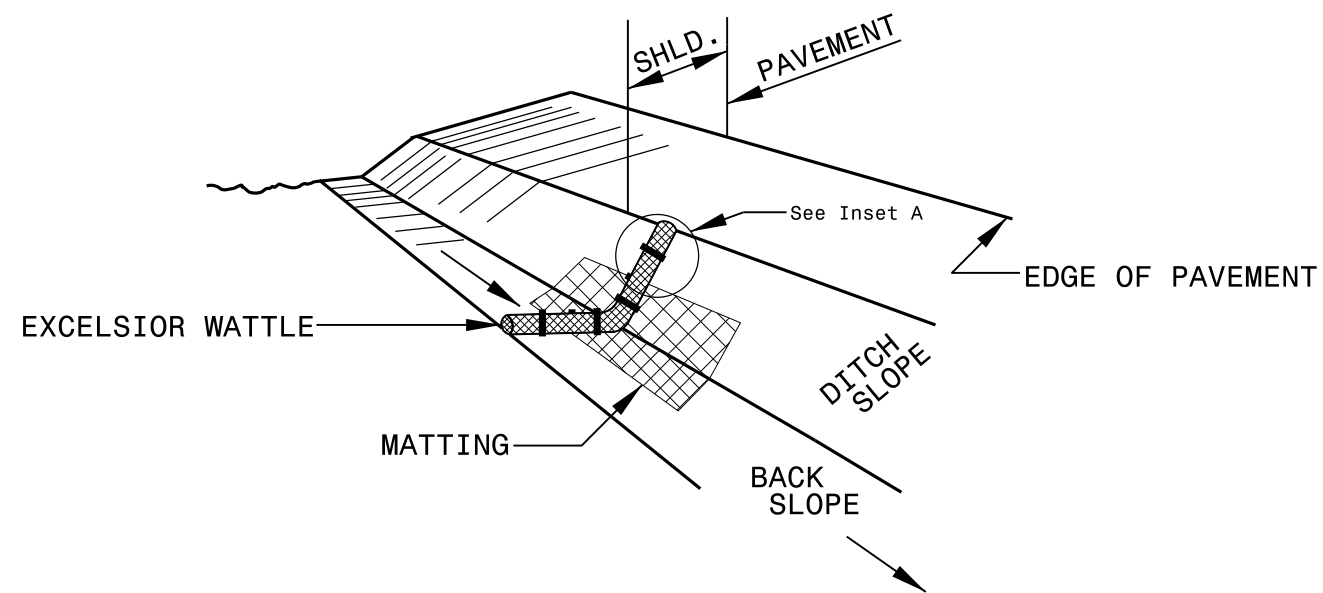


< 5' - 10' Undisturbed buffer from inlet, add wattle

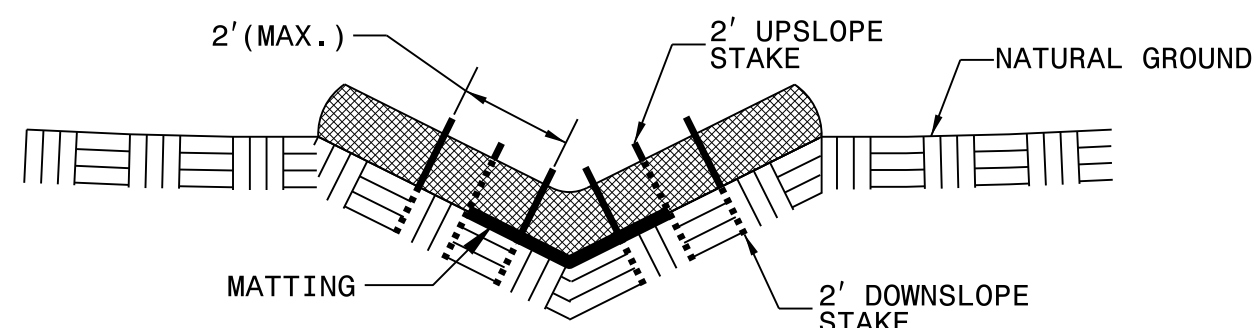


NOT TO SCALE

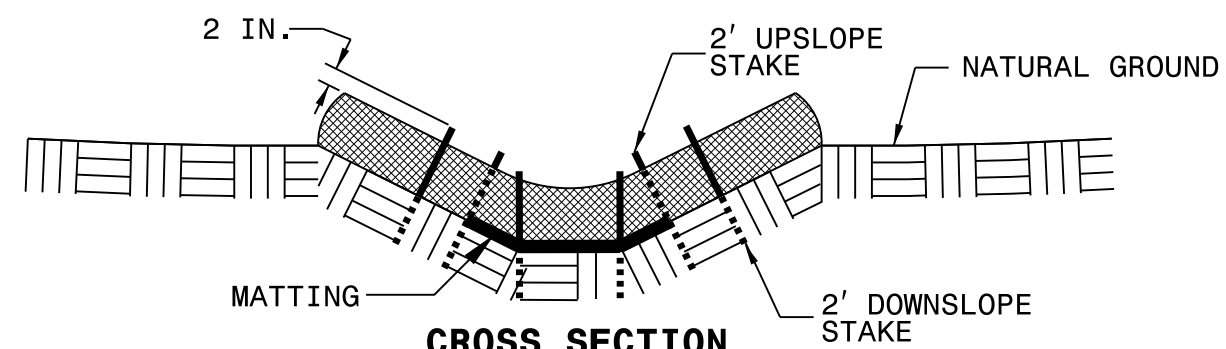
WATTLE DETAIL



ISOMETRIC VIEW



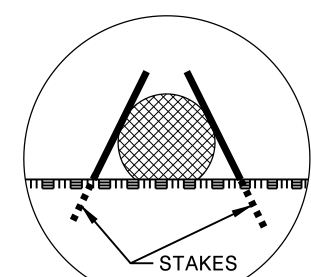
CROSS SECTION VEE DITCH



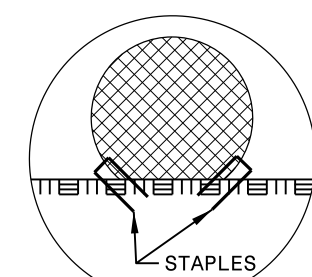
CROSS SECTION TRAPEZOIDAL DITCH

NOTES:

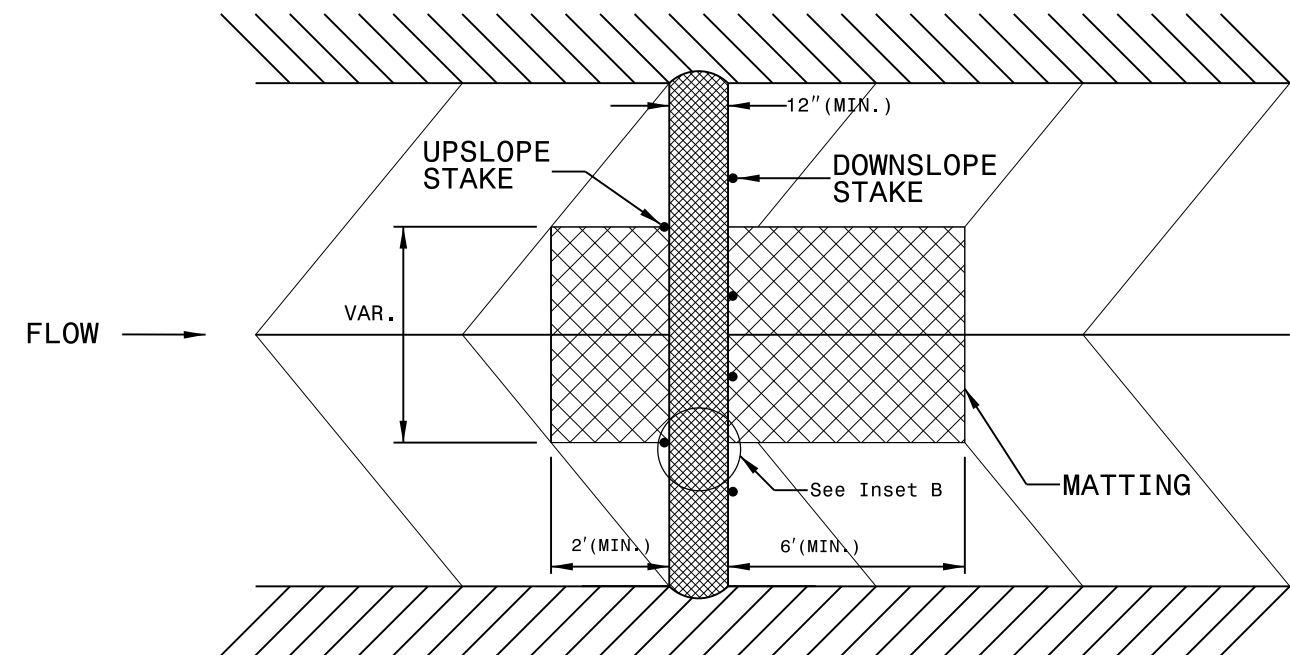
- USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
- ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES 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.



INSET A



INSET B



TOP VIEW