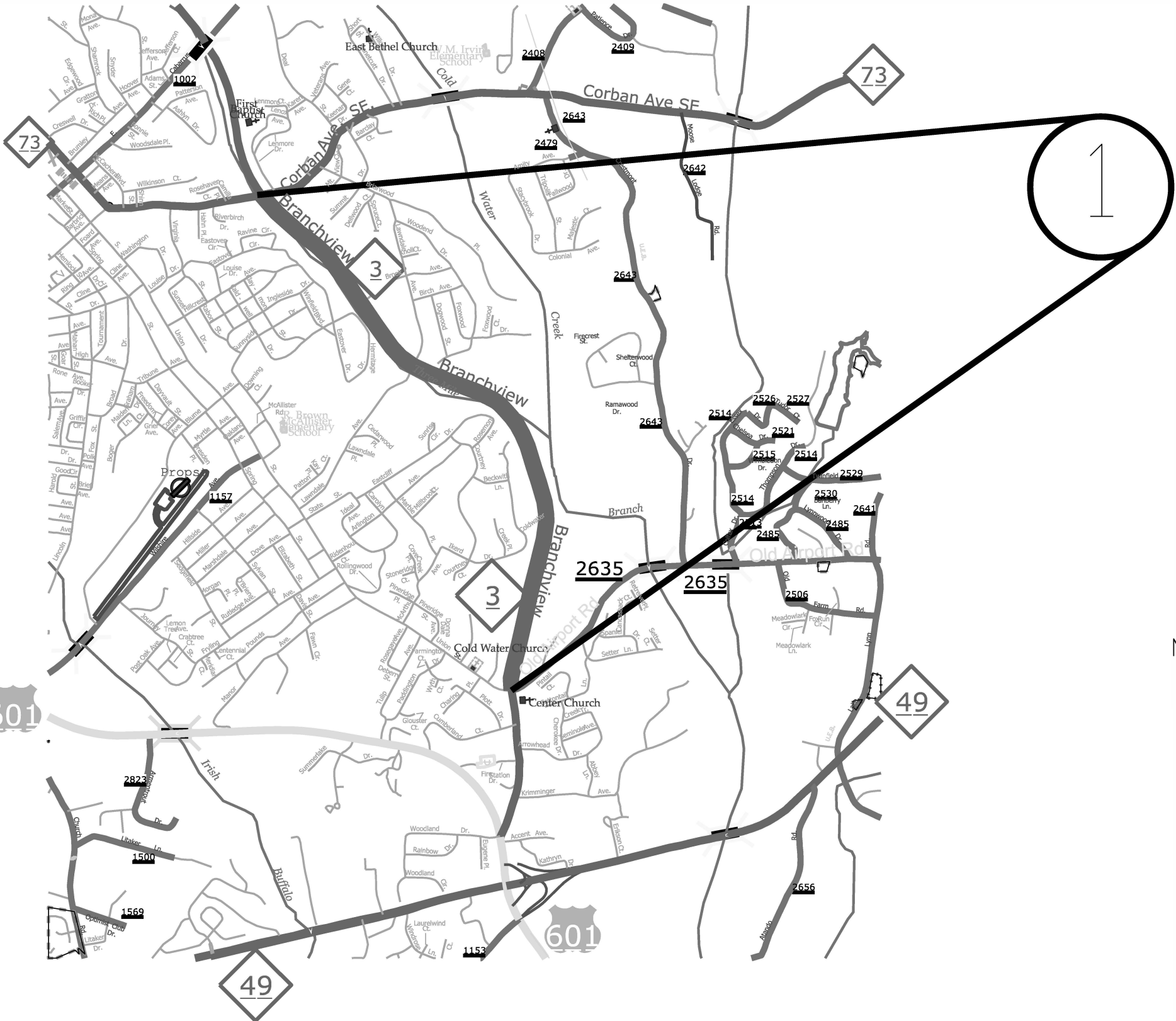


STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.14.10131, 2021CPT.10.14.20131	1	20
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**CABARRUS COUNTY**  
 NORTH CAROLINA  
PREPARED BY THE  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1

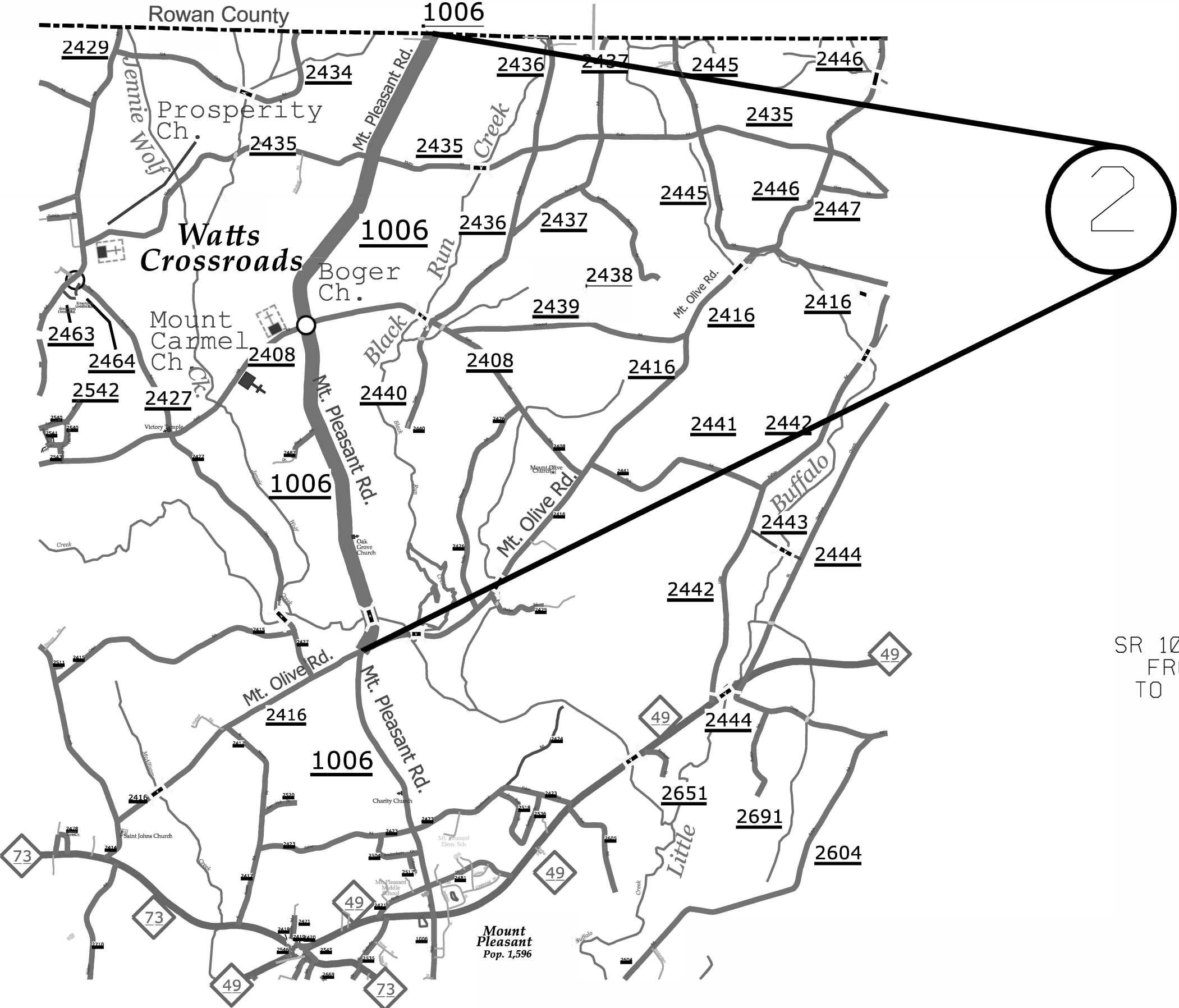
MAP #1 - NC 3 (BRANCHVIEW DRIVE, SE) 2.33 MILES  
 FROM SR 2635 (OLD AIRPORT ROAD) (MP 0.56)  
 TO NC 73 (CORBAN AVENUE, SE) (MP 2.89)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.14.10131, 2021CPT.10.14.20131	2	20
F.A. PROJECT NO.			



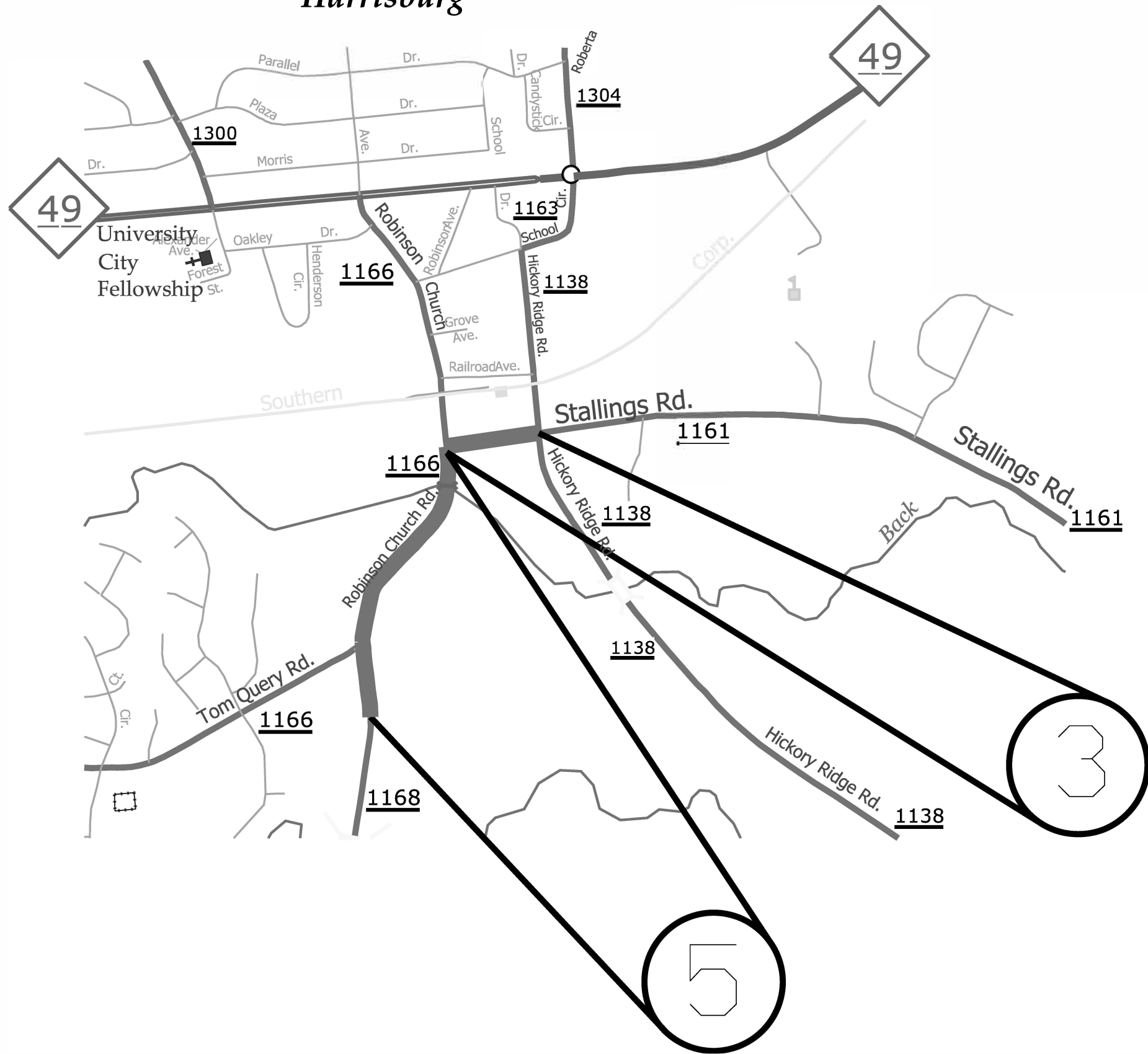
ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**CABARRUS COUNTY**  
 NORTH CAROLINA  
PREPARED BY THE  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1

MAP #2  
 SR 1006 (MT. PLEASANT ROAD) 4.77 MILES  
 FROM ROWAN COUNTY LINE (MP 0.00)  
 TO SR 2416 (MT. OLIVE ROAD) (MP 4.77)



Mount Pleasant  
 Pop. 1,596

# Harrisburg



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.14.10131, 2021CPT.10.14.20131	3	20
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS

## CABARRUS COUNTY

NORTH CAROLINA

PREPARED BY THE  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1

MAP #3

SR 1161 (STALLINGS ROAD) 0.18 MILES  
FROM SR 1166 (ROBINSON CHURCH ROAD) (MP 0.00)  
TO SR 1138 (HICKORY RIDGE ROAD) (MP 0.18)

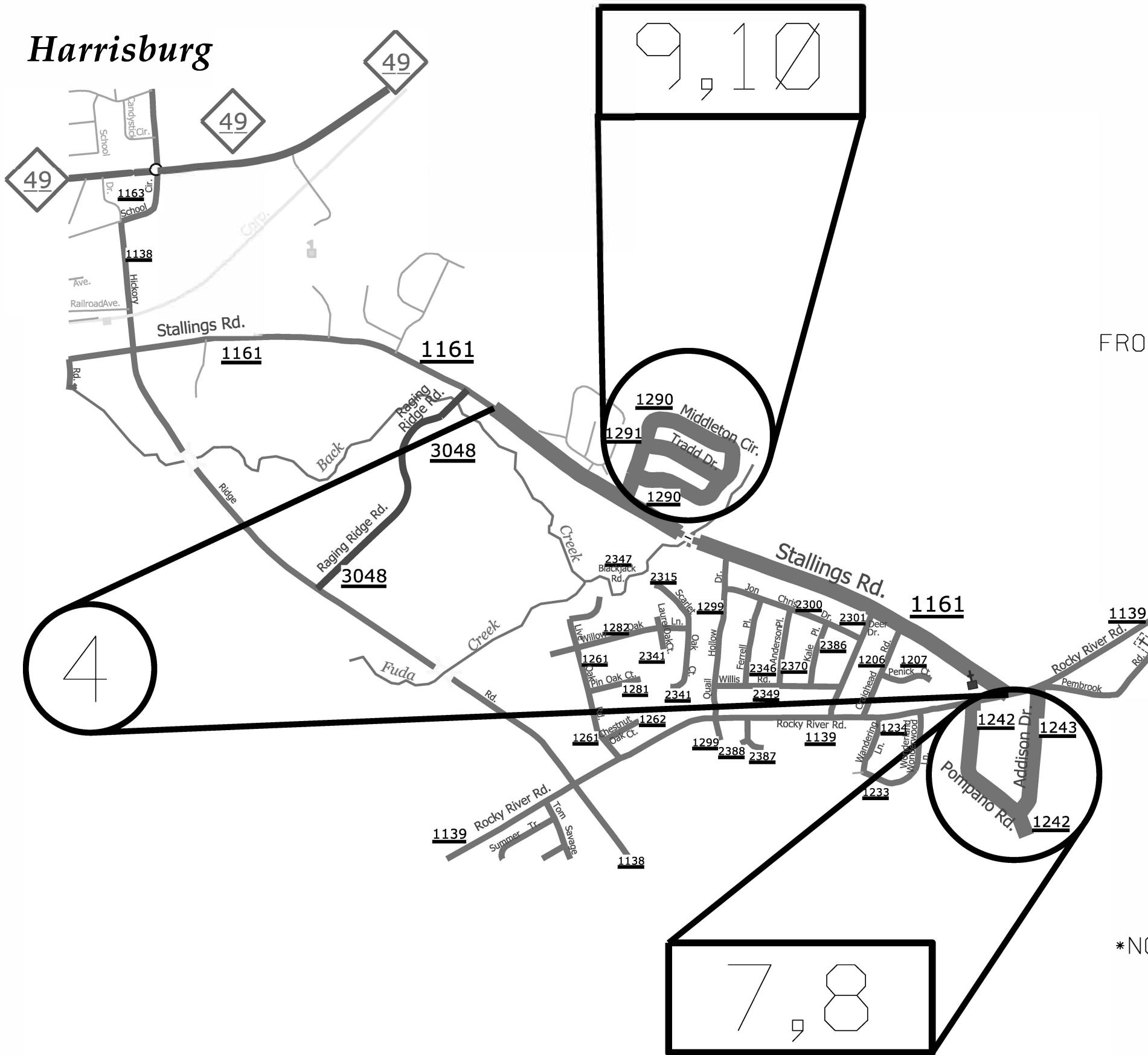
MAP #5

SR 1166 (ROBINSON CHURCH ROAD) 0.55 MILES  
FROM SR 1161 (STALLINGS ROAD) (MP 1.88)  
TO PAVEMENT JOINT PAST

SR 1166 (TOM QUERY ROAD) (MP 3.48)

\*NOTE- MP TRANSITION: MP 1.48 = MP 3.33

Harrisburg



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.14.10131, 2021CPT.10.14.20131	4	20
F.A. PROJECT NO.			

ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**CABARRUS COUNTY**  
 NORTH CAROLINA  
PREPARED BY THE  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1

MAP #4  
 SR 1161 (STALLINGS ROAD) 1.47 MILES  
 FROM JOINT PAST SR 3048 (RAGING RIDGE ROAD) (MP 1.23)  
 TO SR 1139 (ROCKY RIVER ROAD) (MP 2.79)  
 \*NOTE: SKIP 0.09 AT NEW PAVEMENT AT BRIDGE

MAP #7  
 SR 1242 (POMPANO ROAD) 0.43 MILES  
 FROM SR 1139 (ROCKY RIVER ROAD) (MP 0.00)  
 TO CUL-DE-SAC (MP 0.43)

MAP #8  
 SR 1243 (ADDISON ROAD) 0.35 MILES  
 FROM SR 1139 (ROCKY RIVER ROAD) (MP 0.00)  
 TO SR 1242 (POMPANO ROAD) (MP 0.35)

MAP #9  
 SR 1290 (MIDDLETON CIRCLE) 0.82 MILES  
 FROM SR 1161 (STALLINGS ROAD) (MP 0.00)  
 TO SR 1290 (MIDDLETON CIRCLE) (MP 1.12)  
 \*NOTE: MP MARKERS ARE INACCURATE - FIELD MEASURED

MAP #10  
 SR 1291 (TRADD DRIVE) 0.23 MILES  
 FROM 1290 (MIDDLETON CIRCLE) (MP 0.00)  
 TO SR 1290 (MIDDLETON CIRCLE) (MP 0.23)

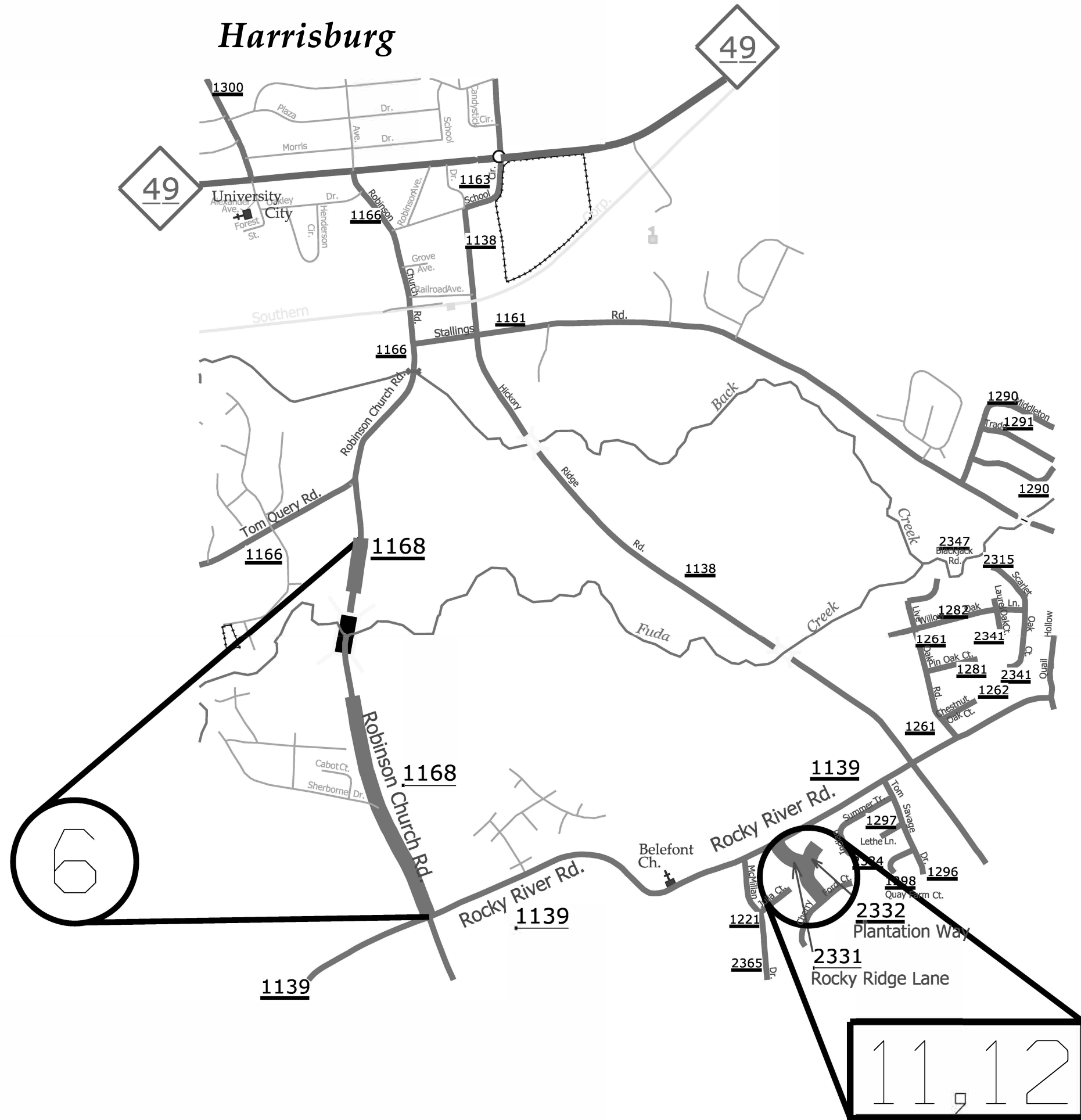
# Harrisburg

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.14.10131, 2021CPT.10.14.20131	5	20
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**CABARRUS COUNTY**  
 NORTH CAROLINA

PREPARED BY:  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1



MAP #6  
 SR 1168 (ROBINSON CHURCH ROAD) 0.72 MILES  
 FROM BEGIN C&G SECTION (MP 3.48)  
 TO SR 1139 (ROCKY RIVER ROAD) (MP 2.39)  
 \*NOTE: SKIP 0.37 OF NEW PAVEMENT @ BRIDGE AND  
 ENTRANCE TO CHURCHILL FARMS

MAP #11  
 SR 2331 (ROCKY RIDGE LANE) 0.11 MILES  
 FROM SR 1139 (ROCKY RIVER ROAD) (MP 0.00)  
 TO SR 2332 (PLANTATION WAY) (MP 0.11)

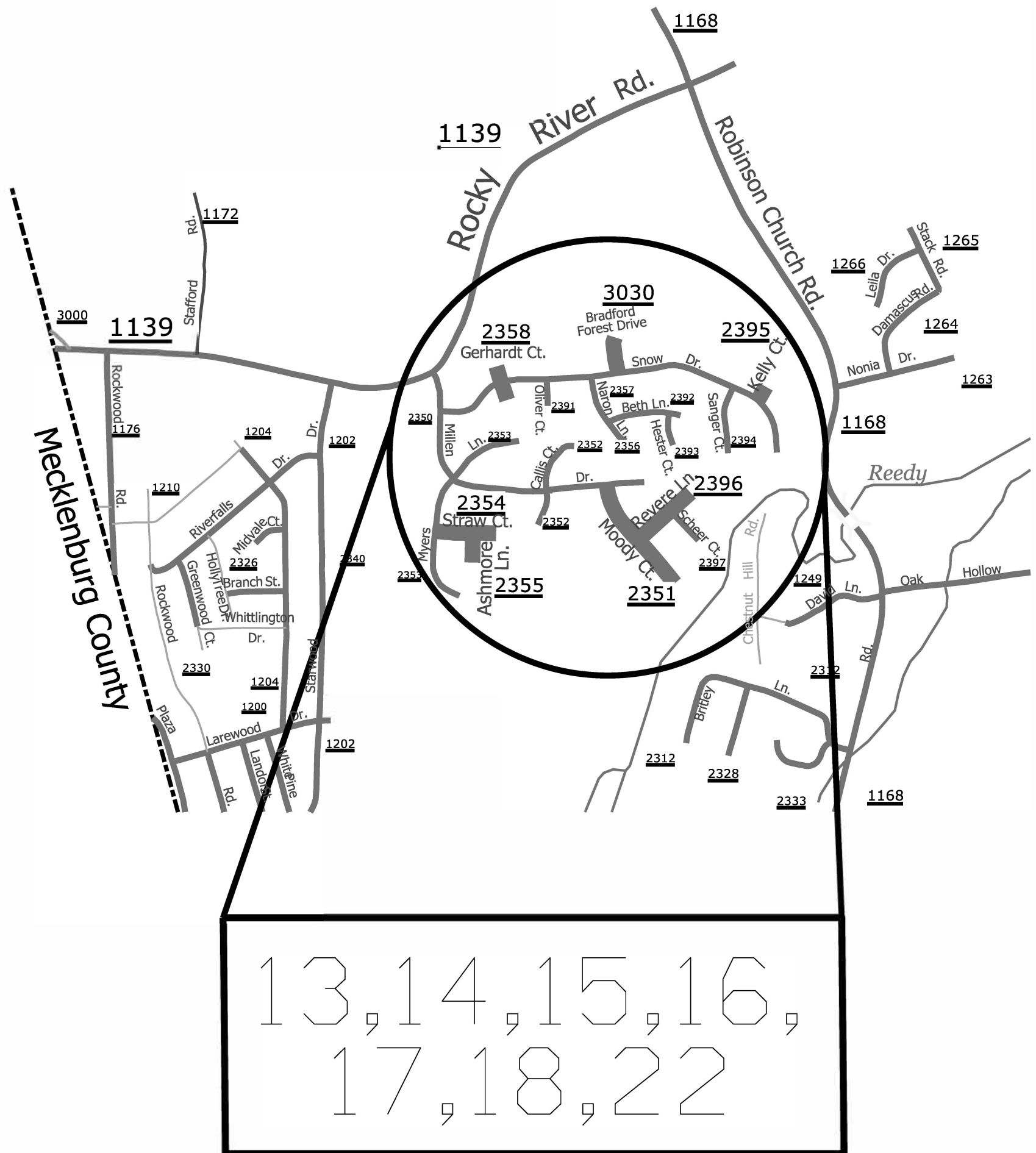
MAP #12  
 SR 2332 (PLANTATION WAY) 0.17 MILES  
 FROM SR 2365 (CHERRY FORD COURT) (MP 0.00)  
 TO CUL-DE-SAC (MP 0.17)

11, 12



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.14.10131, 2021CPT.10.14.20131	6	20
F.A. PROJECT NO.			

ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**CABARRUS COUNTY**  
 NORTH CAROLINA  
PREPARED BY THE  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1



MAP #13  
 SR 2351 (MOODY COURT) 0.23 MILES  
 FROM SR 2350 (MILLEN DRIVE) (MP 0.00)  
 TO CUL-DE-SAC (MP 0.23)

MAP #14  
 SR 2354 (STRAW COURT) 0.12 MILES  
 FROM SR 2353 (MYERS LANE) (MP 0.00)  
 TO CUL-DE-SAC (MP 0.12)

MAP #15  
 SR 2355 (ASHMORE LANE) 0.06 MILES  
 FROM SR 2354 (STRAW COURT) (MP 0.00)  
 TO CUL-DE-SAC (MP 0.06)

MAP #16  
 SR 2358 (GERHARDT COURT) 0.07 MILES  
 FROM CUL-DE-SAC (MP 0.00)  
 TO CUL-DE-SAC (MP 0.07)

MAP #17  
 SR 2395 (KELLY COURT) 0.03 MILES  
 FROM SR 2356 (SNOW DRIVE) (MP 0.00)  
 TO CUL-DE-SAC (MP 0.03)

MAP #18  
 SR 2396 (REVERE LANE) 0.13 MILES  
 FROM SR 2351 (MOODY COURT) (MP 0.00)  
 TO CUL-DE-SAC (MP 0.13)

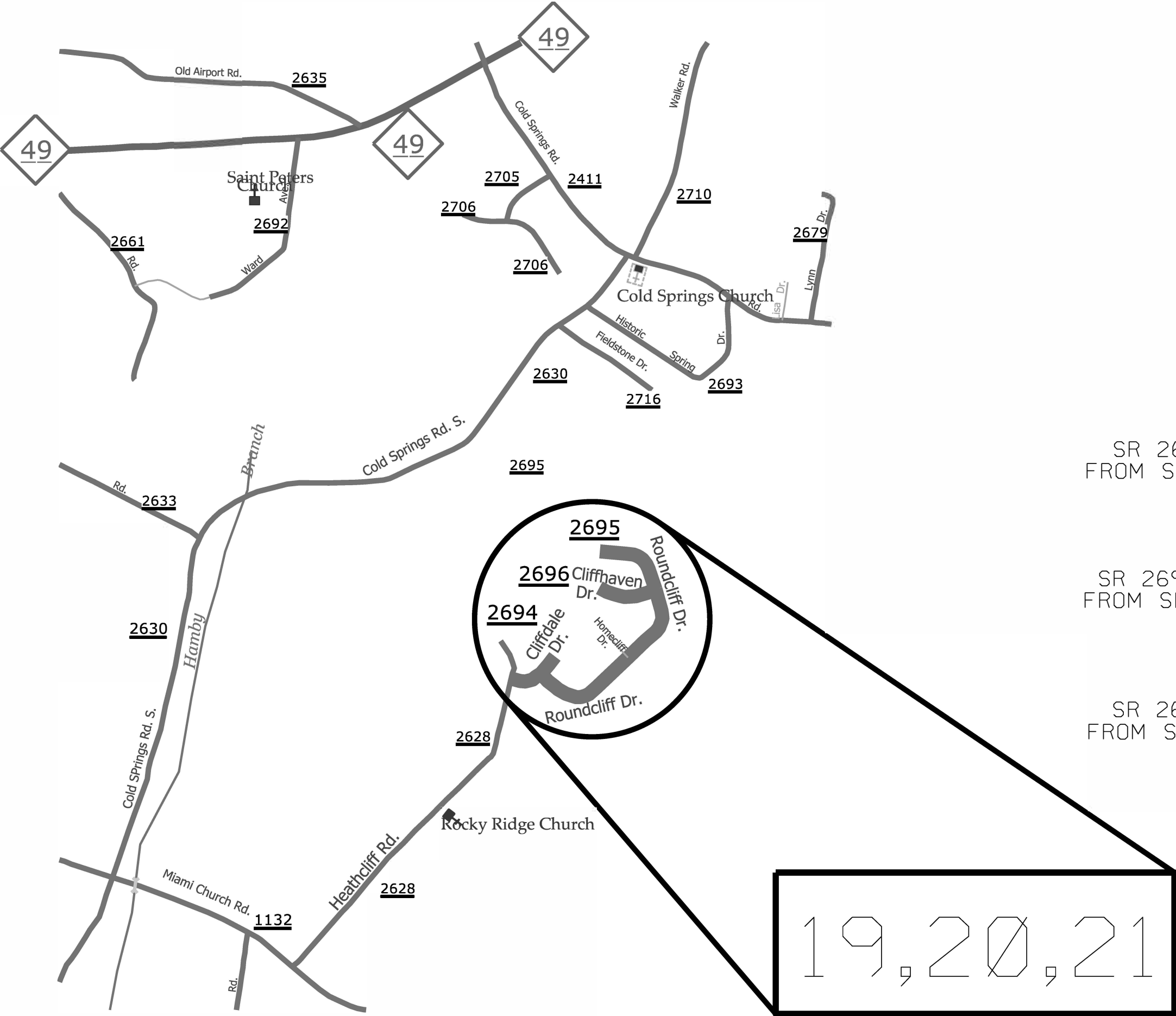
MAP #22  
 SR 3030 (BRADFORD FOREST DRIVE) 0.07 MILES  
 FROM SR 2356 (SNOW DRIVE) (MP 0.00)  
 TO CUL-DE-SAC (MP 0.07)

13, 14, 15, 16,  
 17, 18, 22

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.14.10131 2021CPT.10.14.20131	7	20
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**CABARRUS COUNTY**  
 NORTH CAROLINA  
PREPARED BY THE  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1



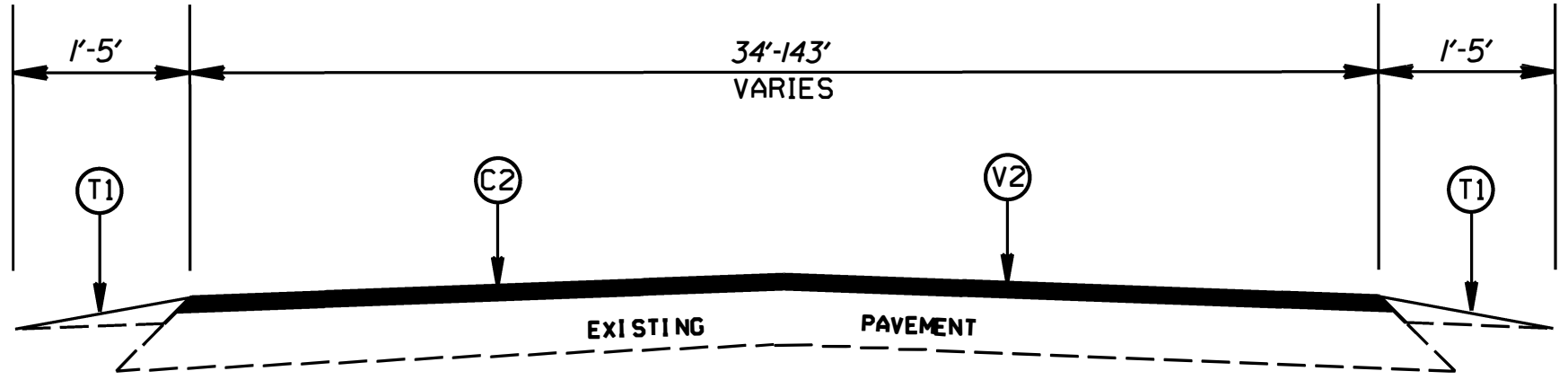
MAP #19  
 SR 2694 (CLIFFDALE DRIVE) 0.13 MILES  
 FROM SR 2628 (HEATHCLIFF ROAD) (MP 0.00)  
 TO CUL-DE-SAC (MP 0.13)

MAP #20  
 SR 2695 (ROUNDCLIFF DRIVE) 0.67 MILES  
 FROM SR 2694 (CLIFFDALE DRIVE) (MP 0.00)  
 TO CUL-DE-SAC (MP 0.67)

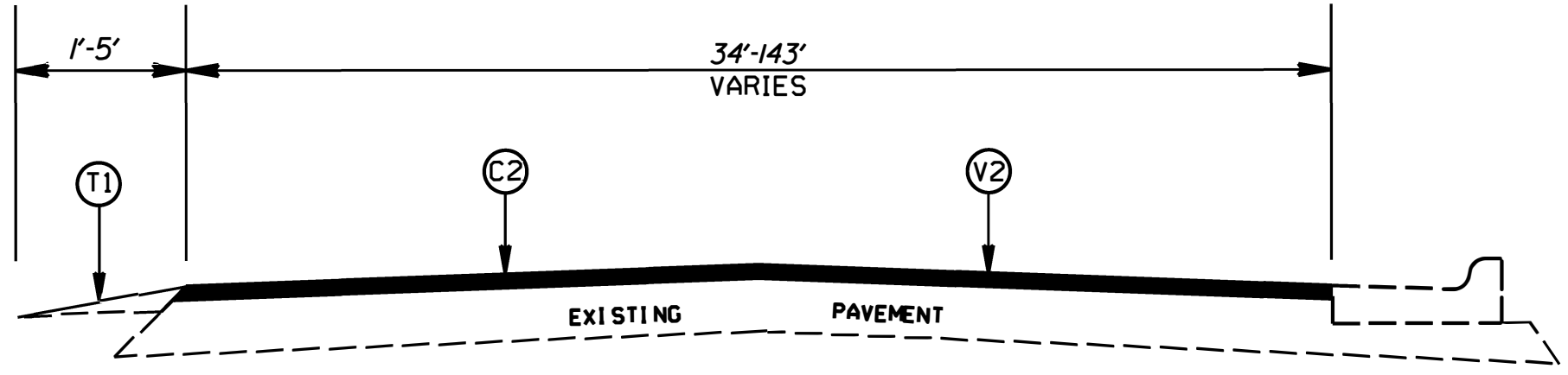
MAP #21  
 SR 2696 (CLIFFHAVEN DRIVE) 0.15 MILES  
 FROM SR 2695 (ROUNDCLIFF DRIVE) (MP 0.00)  
 TO CUL-DE-SAC (MP 0.15)

19, 20, 21

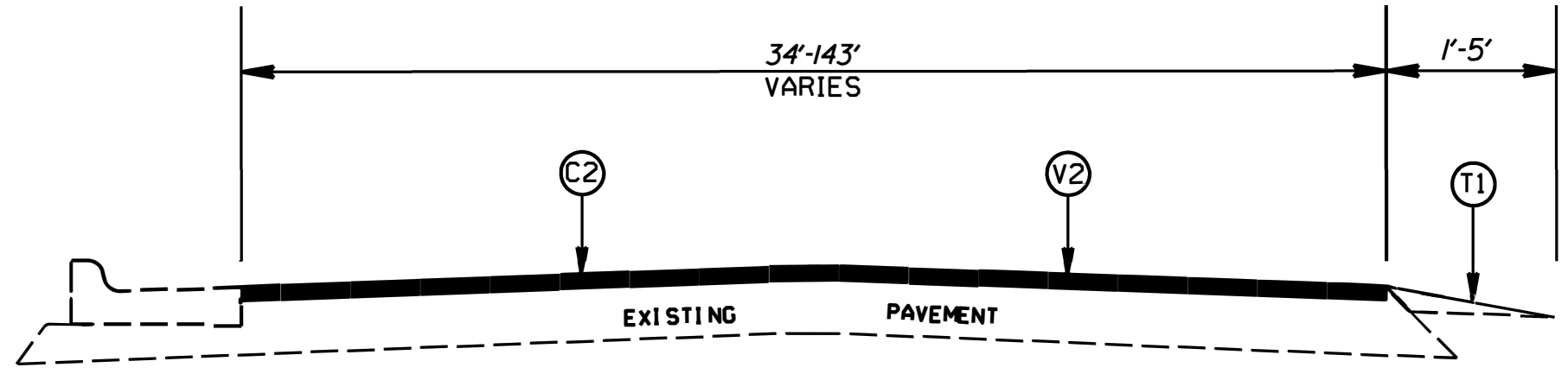
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.14.10131 2021CPT.10.14.20131	8	20
F.A. PROJECT NO.			



TYPICAL SECTION NO. 1  
 MAP 1 - NC 3 (BRANCHVIEW DRIVE, SE)  
 MAP 5 - SR 1166 (ROBINSON CHURCH ROAD)



TYPICAL SECTION NO. 2  
 MAP 1 - NC 3 (BRANCHVIEW DRIVE, SE)



TYPICAL SECTION NO. 3  
 MAP 1 - NC 3 (BRANCHVIEW DRIVE, SE)

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE PF 138 LBS. PER SQ. YDS.
C2	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE PF 168 LBS. PER SQ. YDS.
C3	PROP. APPROX. 2.00" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE PF 220 LBS. PER SQ. YDS.
F1	ASPHALT SURFACE TREATMENT, MATCOAT, #78 STONE
T1	SHOULDER RECONSTRUCTION
V1	MILLING OF EXISTING PAVEMENT, 1.25"
V2	MILLING OF EXISTING PAVEMENT, 1.50"
V3	MILLING OF EXISTING PAVEMENT, 2.00"
V4	PROFILE MILLING OF EXISTING ASPHALT, 0"-1.5" (8' WIDTH)

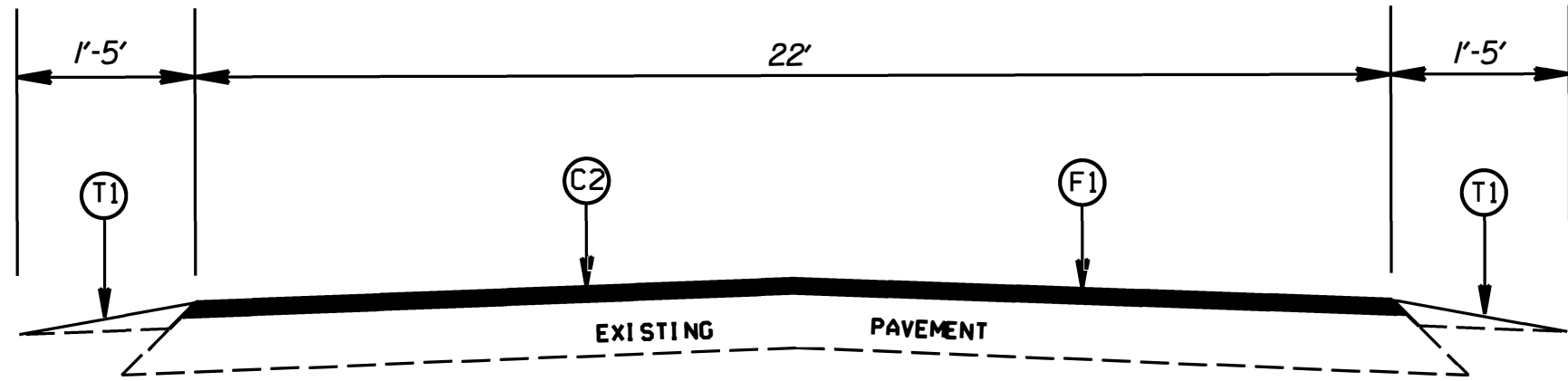
NOTES:  
 1. LEVELING COURSE TO BE PLACED AS DIRECTED BY THE ENGINEER

CABARRUS COUNTY  
RESURFACING SPRING 2021

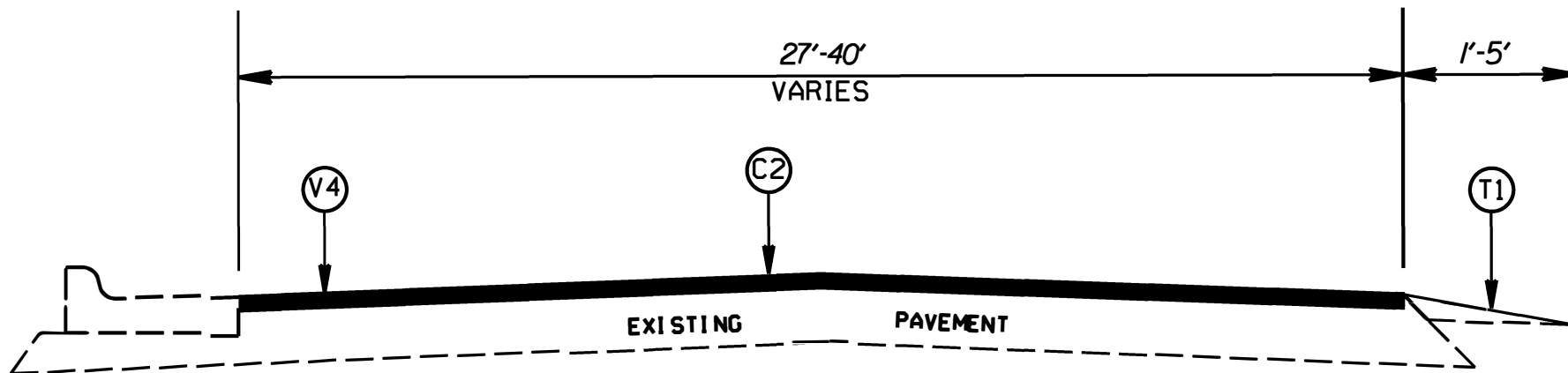
SCALE	-1/4"		REVISIONS
DATE	12/20		
DWG. BY	JWH		
DESIGN BY	JWH		
APPROVE_D			



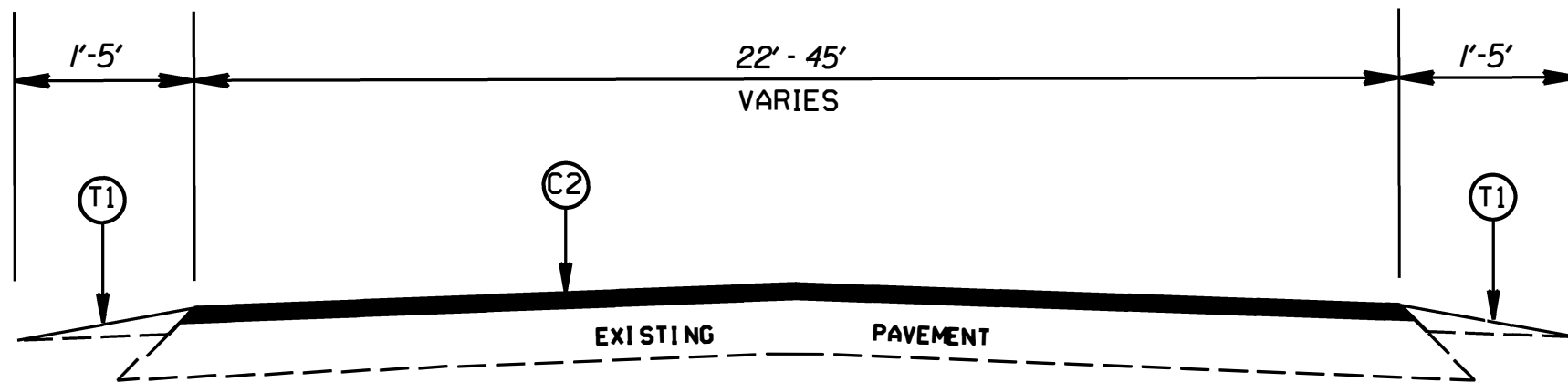
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.14.10131 2021CPT.10.14.20131	9	20
F.A. PROJECT NO.			



TYPICAL SECTION NO. 4  
MAP 2 - SR 1006 (MT. PLEASANT ROAD)



TYPICAL SECTION NO. 5  
MAP 3 - SR 1161 (STALLINGS ROAD)




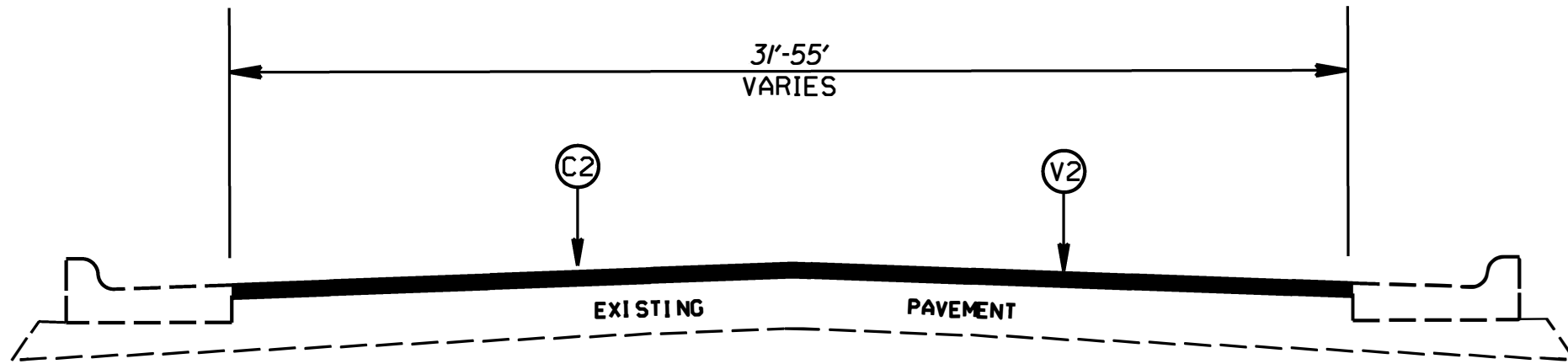
TYPICAL SECTION NO. 6  
MAP 3 - SR 1161 (STALLINGS ROAD)  
MAP 4 - SR 1161 (STALLINGS ROAD)  
MAP 6 - SR 1168 (ROBINSON CHURCH ROAD)

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE PF 138 LBS. PER SQ. YDS.
C2	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE PF 168 LBS. PER SQ. YDS.
C3	PROP. APPROX. 2.00" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE PF 220 LBS. PER SQ. YDS.
F1	ASPHALT SURFACE TREATMENT, MATCOAT, #78 STONE
T1	SHOULDER RECONSTRUCTION
V1	MILLING OF EXISTING PAVEMENT, 1.25"
V2	MILLING OF EXISTING PAVEMENT, 1.50"
V3	MILLING OF EXISTING PAVEMENT, 2.00"
V4	PROFILE MILLING OF EXISTING ASPHALT, 0"-1.5" (8' WIDTH)

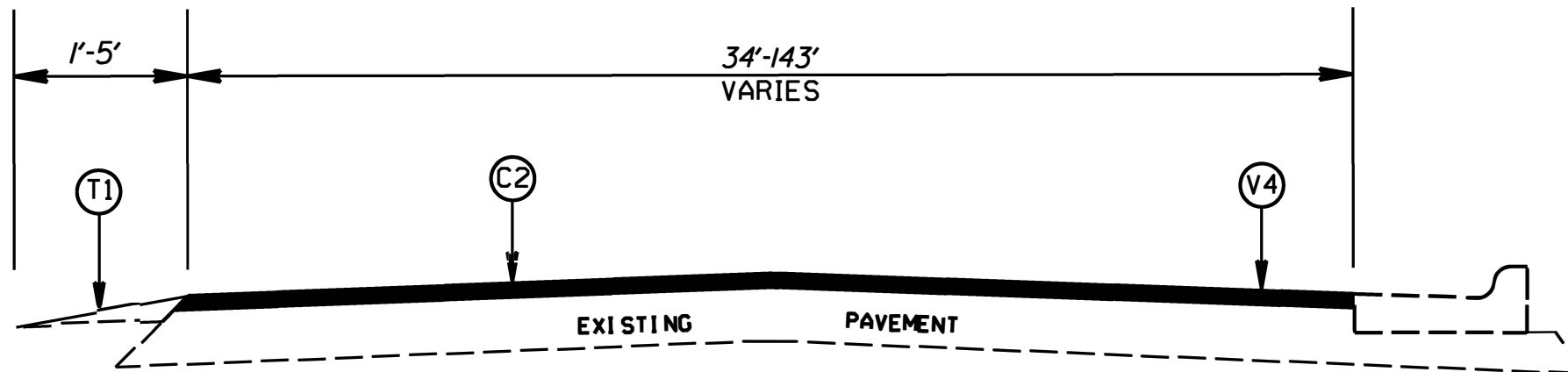
NOTES:  
1. LEVELING COURSE TO BE PLACED AS DIRECTED BY THE ENGINEER

CABARRUS COUNTY RESURFACING SPRING 2021		
SCALE	DATE	REVISIONS
1"=10'	12/20	
DESIGNED BY	DATE	
JNH		
APPROVED		

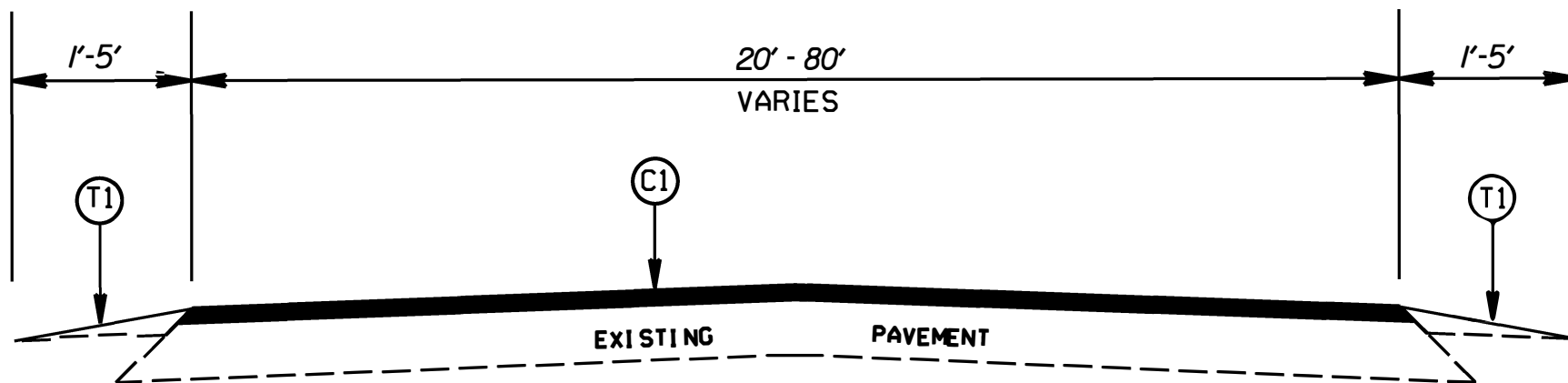




TYPICAL SECTION NO. 7  
MAP 4 - SR 1161 (STALLINGS ROAD)



TYPICAL SECTION NO. 8  
MAP 6 - SR 1168 (ROBINSON CHURCH ROAD)




TYPICAL SECTION NO. 9  
MAP 7 - SR 1242 (POMPANO ROAD)  
MAP 8 - SR 1243 (ADDISON ROAD)  
MAP 19 - SR 2694 (CLIFFDALE DRIVE)  
MAP 20 - SR 2695 (ROUNDCLIFF DRIVE)  
MAP 21 - SR 2696 (CLIFFHAVEN DRIVE)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.14.10131 2021CPT.10.14.20131	10	20
F.A. PROJECT NO.			

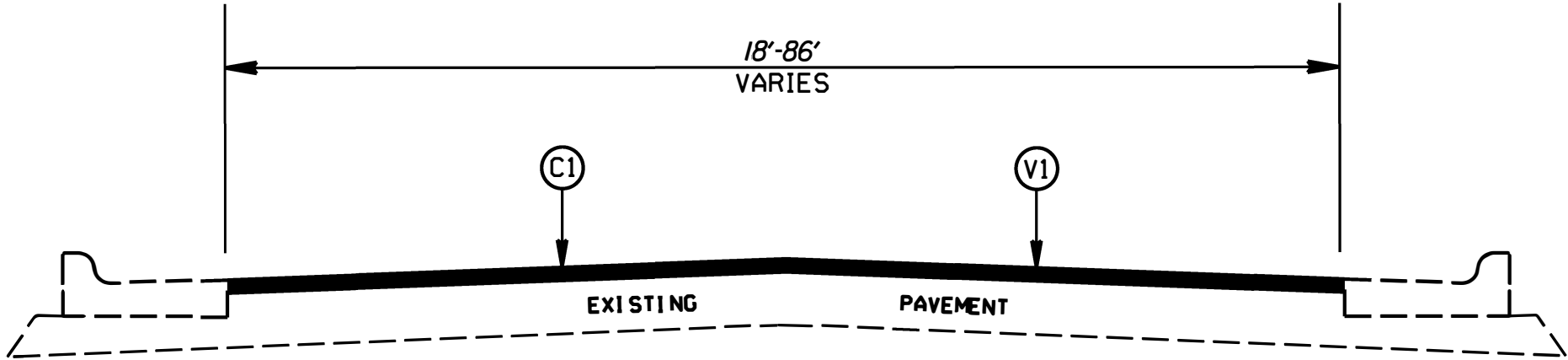
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE PF 138 LBS. PER SQ. YDS.
C2	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE PF 168 LBS. PER SQ. YDS.
C3	PROP. APPROX. 2.00" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE PF 220 LBS. PER SQ. YDS.
F1	ASPHALT SURFACE TREATMENT, MATCOAT, #78 STONE
T1	SHOULDER RECONSTRUCTION
V1	MILLING OF EXISTING PAVEMENT, 1.25"
V2	MILLING OF EXISTING PAVEMENT, 1.50"
V3	MILLING OF EXISTING PAVEMENT, 2.00"
V4	PROFILE MILLING OF EXISTING ASPHALT, 0"-1.5" (8' WIDTH)

NOTES:  
1. LEVELING COURSE TO BE PLACED AS DIRECTED BY THE ENGINEER

CABARRUS COUNTY  
RESURFACING SPRING 2021

SCALE	1/4"		REVISIONS
DATE	12/20		
DESIGNED BY	JMH		
DESIGN BY	JMH		
APPROVED			

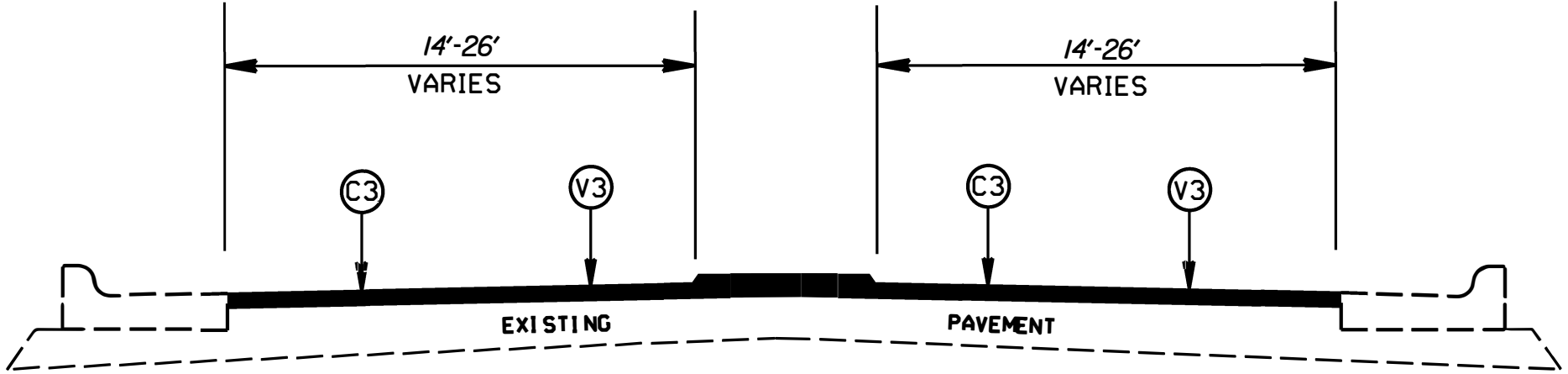
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.14.10131 2021CPT.10.14.20131	11	20
F.A. PROJECT NO.			



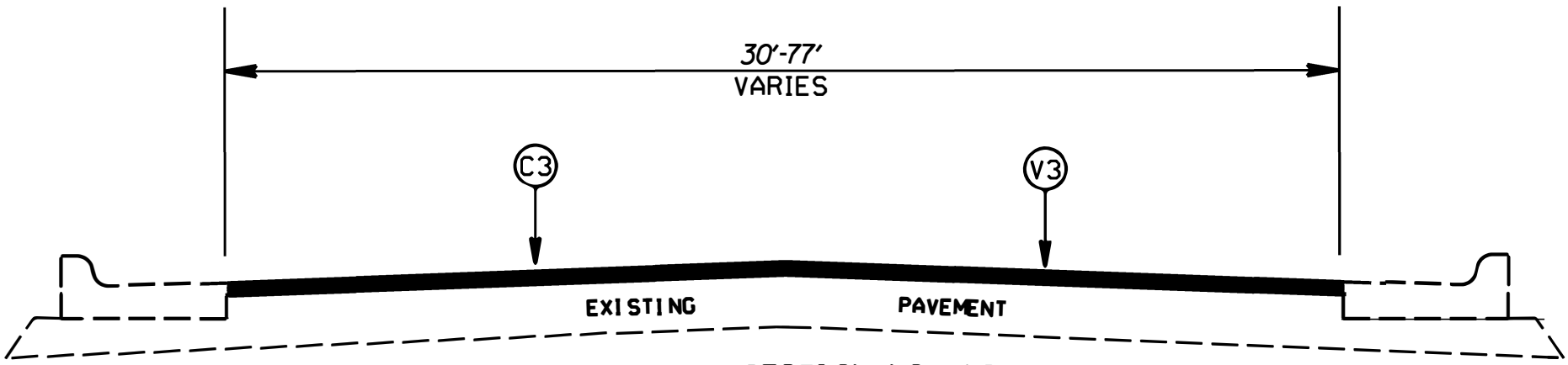
TYPICAL SECTION NO. 10

- |                                    |  |
|------------------------------------|--|
| MAP 9 - SR 1290 (MIDDLETON CIRCLE) | MAP 16 - SR 2358 (GERHARDT COURT)        |
| MAP 10 - SR 1291 (TRADD DRIVE)     | MAP 17 - SR 2395 (KELLY COURT)           |
| MAP 13 - SR 2351 (MOODY COURT)     | MAP 18 - SR 2396 (REVERE LANE)           |
| MAP 14 - SR 2354 (STRAW COURT)     | MAP 22 - SR 3030 (BRADFORD FOREST DRIVE) |
| MAP 15 - SR 2355 (ASHMORE LANE)    |  |

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE PF 138 LBS. PER SQ. YDS.
C2	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE PF 168 LBS. PER SQ. YDS.
C3	PROP. APPROX. 2.00" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE PF 220 LBS. PER SQ. YDS.
F1	ASPHALT SURFACE TREATMENT, MATCOAT, #78 STONE
T1	SHOULDER RECONSTRUCTION
V1	MILLING OF EXISTING PAVEMENT, 1.25"
V2	MILLING OF EXISTING PAVEMENT, 1.50"
V3	MILLING OF EXISTING PAVEMENT, 2.00"
V4	PROFILE MILLING OF EXISTING ASPHALT, 0"-1.5" (8' WIDTH)



TYPICAL SECTION NO. 11  
MAP 11 - SR 2331 (ROCKY RIDGE LANE)



TYPICAL SECTION NO. 12  
MAP 11 - SR 2331 (ROCKY RIDGE LANE)  
MAP 12 - SR 2332 (PLANTATION WAY)

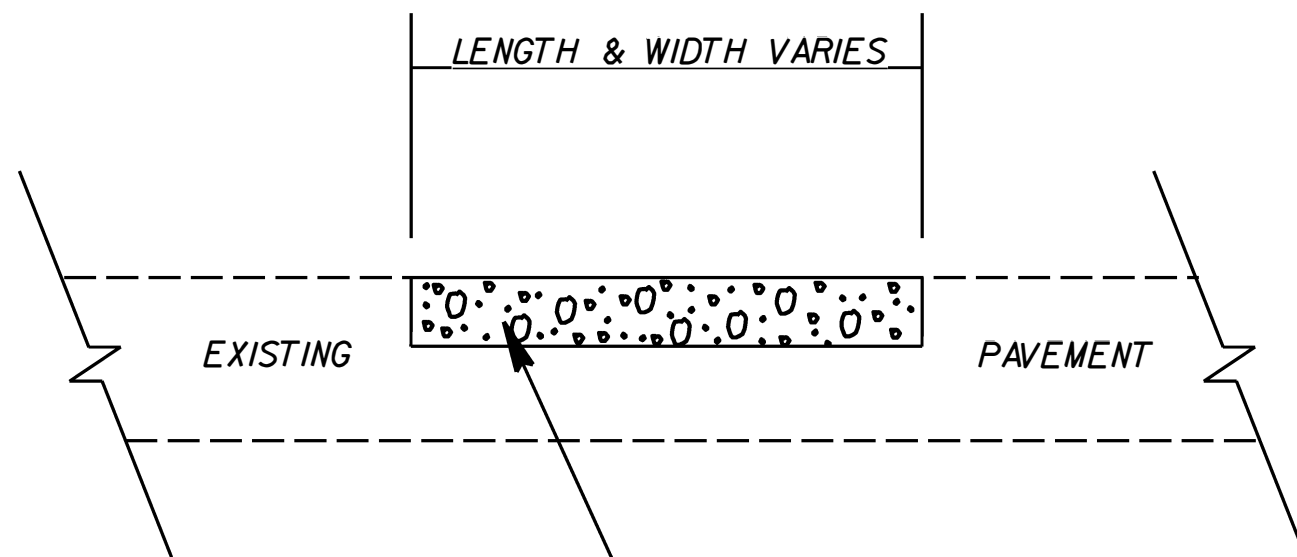
NOTES:  
1. LEVELING COURSE TO BE PLACED AS DIRECTED BY THE ENGINEER

CABARRUS COUNTY  
RESURFACING SPRING 2021

SCALE	-NA-		REVISIONS
DATE	12/20		
DWG. BY	JWH		
DESIGN BY	JWH		
APPROVED			

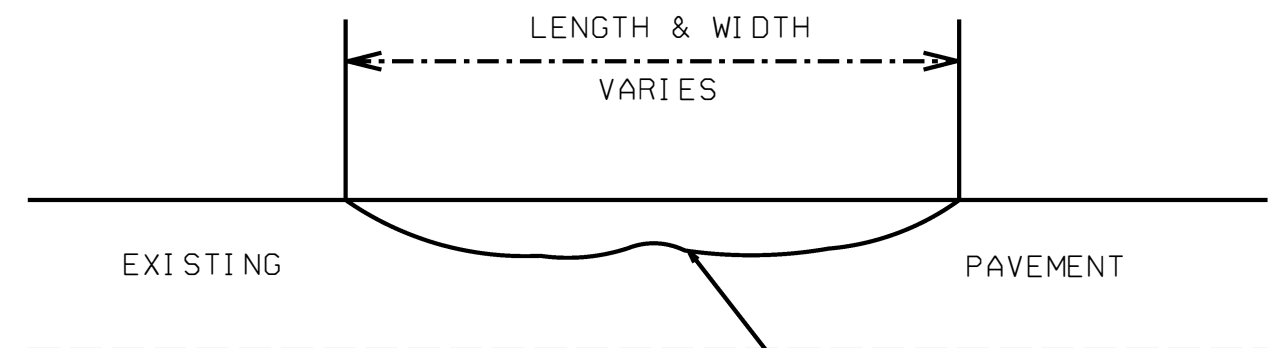
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.14.10131 2021CPT.10.14.20131	12	20
F.A. PROJECT NO.			

PAVEMENT REPAIR DETAIL

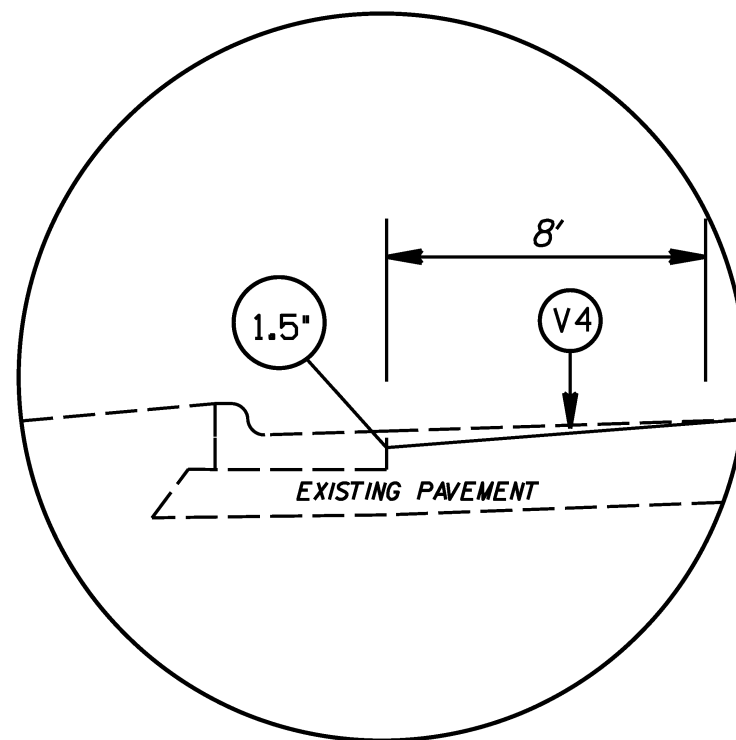


RATE IS VARIABLE AND SHALL BE AS DIRECTED BY THE ENGINEER. ASPHALT TYPE 119.0C SHALL BE PLACED.

TYPE S9.5B OR S9.5C (LEVELING COURSE)



RATE IS VARIABLE AND SHALL BE AS DIRECTED BY THE ENGINEER



DETAIL FOR PROFILE MILLING (0" TO 1.5")

PATCHING, LEVELING, PROFILE MILLING DETAILS

SCALE	-1A-
DATE	2/18
DWG. BY	JAB
DESIGN BY	JAB
APPROVED	JAB

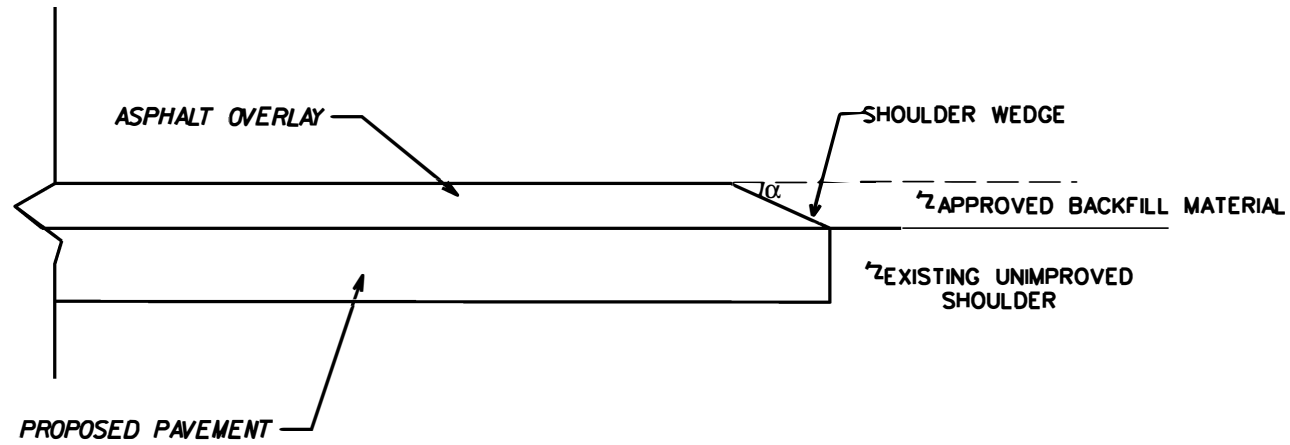


REVISIONS	

NOTES:

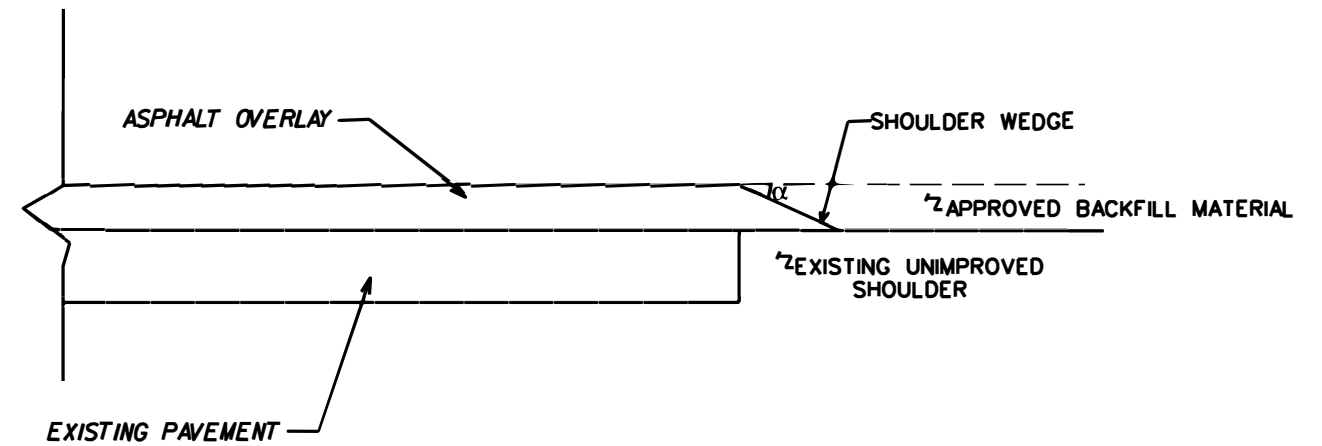
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
- 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
- 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.14.10131 2021CPT.10.14.20131	13	20
F.A. PROJECT NO.			



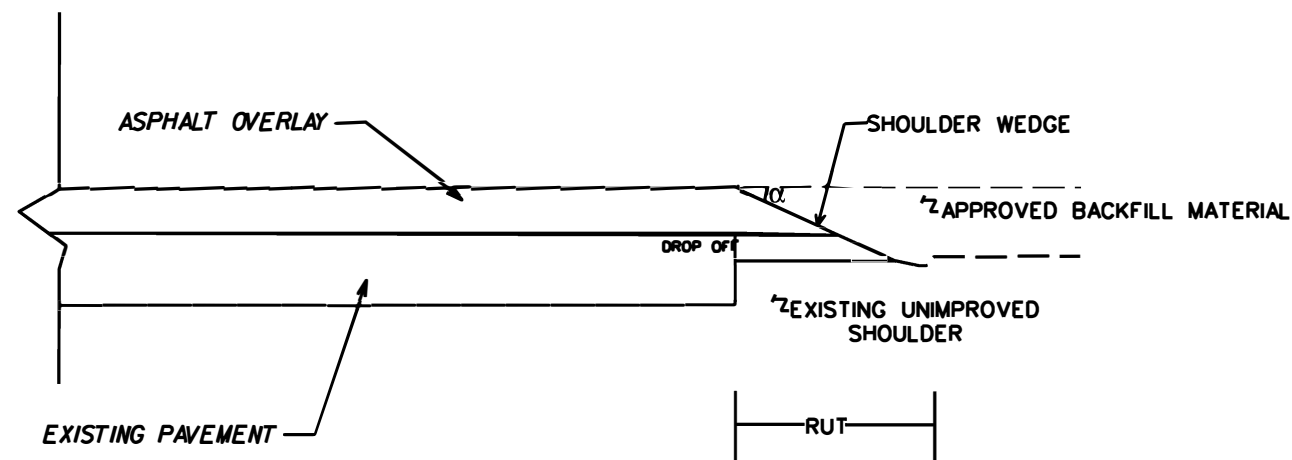
SHOULDER WEDGE DETAIL

(RESURFACING PROJECTS W/ WIDENING OR WITH EXISTING PAVED SHOULDER HAVING NO DROPOFFS)




SHOULDER WEDGE DETAIL

(RESURFACING PROJECTS W/ NO WIDENING)

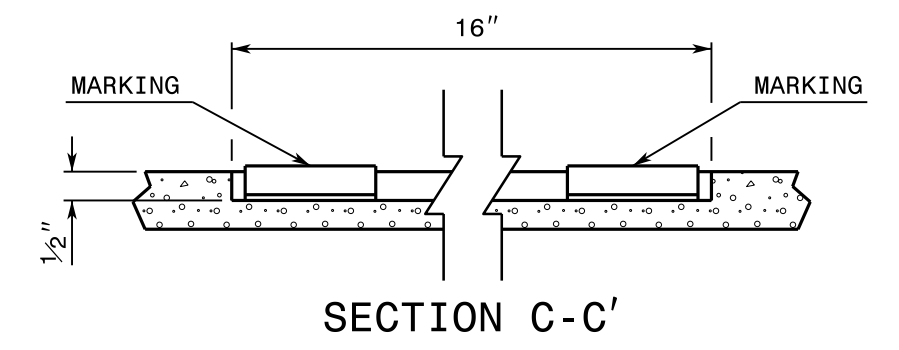
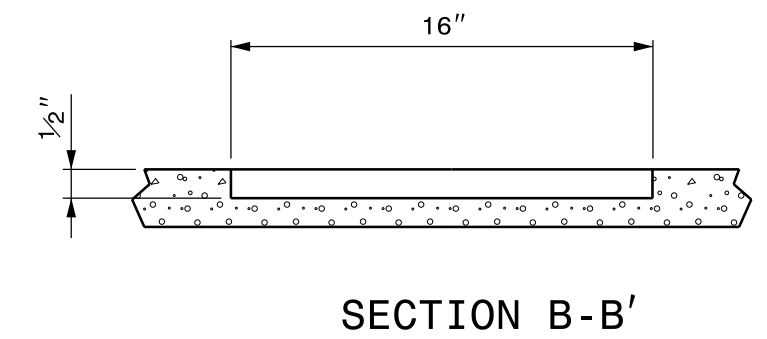
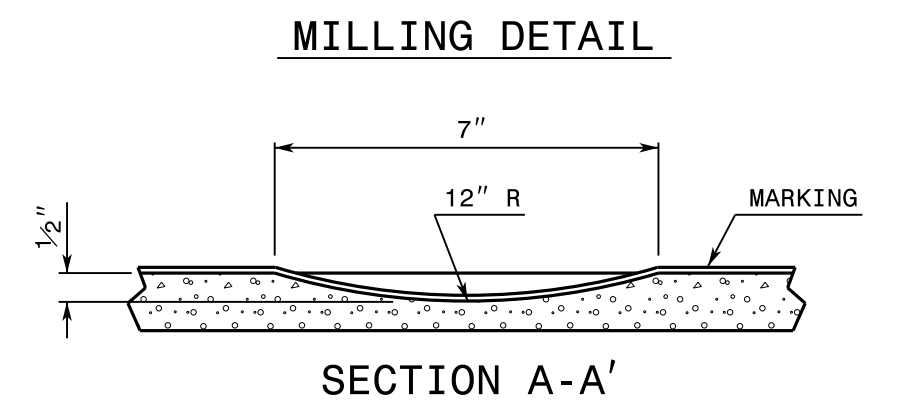
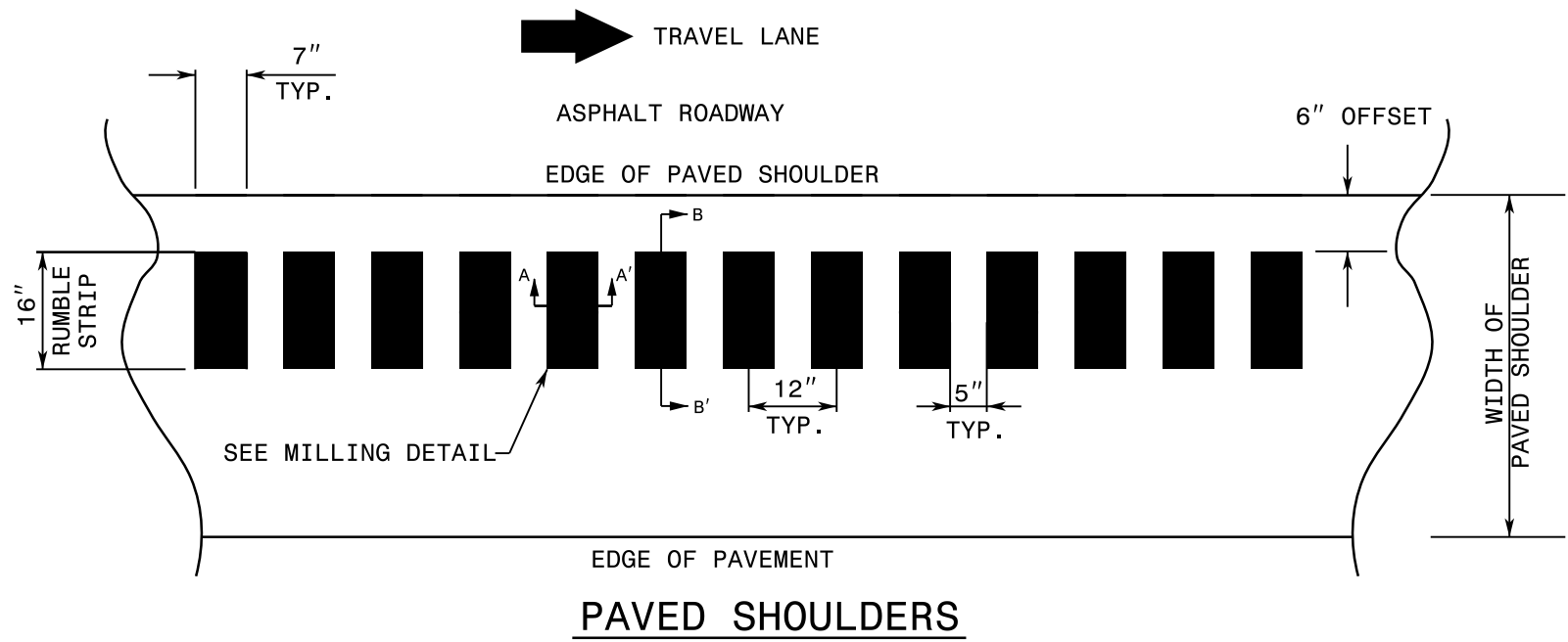
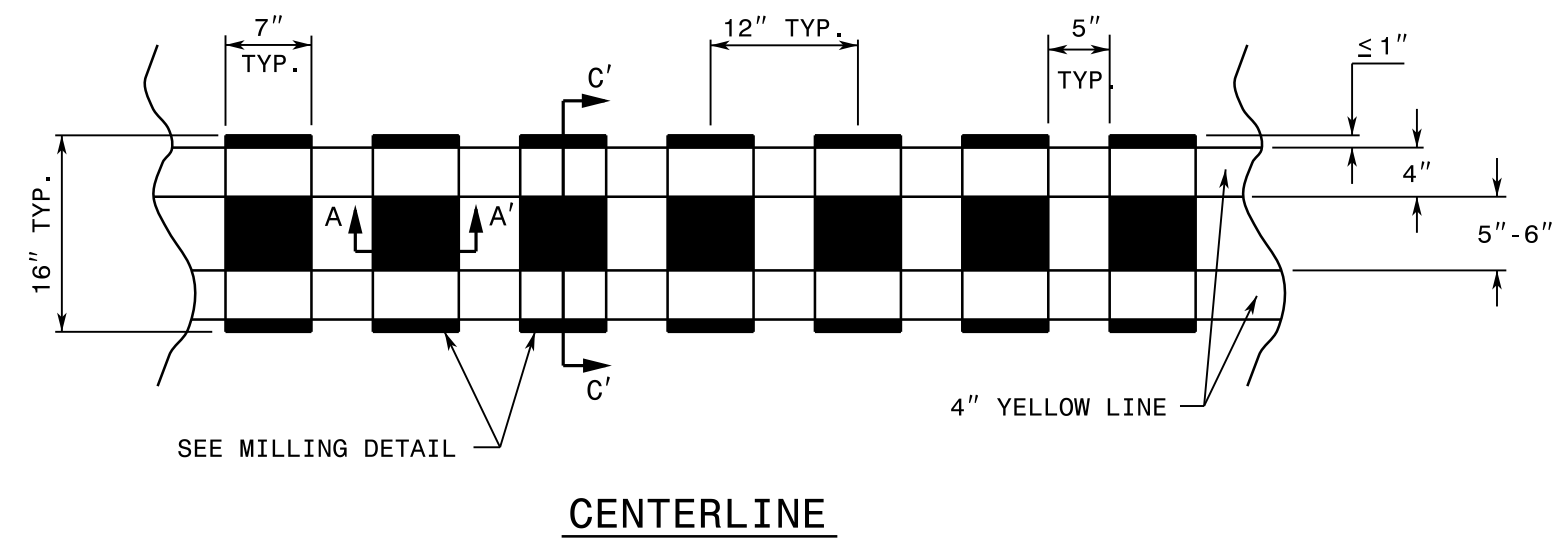


SHOULDER WEDGE DETAIL  
(RESURFACING ADJACENT TO RUTTED SHOULDER)

$\alpha = 30$  DEGREES

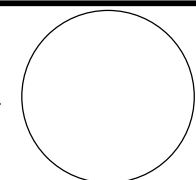
SHOULDER WEDGE DETAILS		
SCALE	-1A-	
DATE	2/18	
DWG. BY	JAB	
DESIGN BY	JAB	
APPROVED	JAB	
		REVISIONS

# NC 3



**NOTE:**

- 1) USING A VACUUM, REMOVE ALL DEBRIS FROM THE MILLINGS JUST PRIOR TO PLACING ANY PAVEMENT MARKINGS.
- 2) ENSURE GLASS BEADS ARE SPREAD UNIFORMLY OVER THE ENTIRE SURFACE OF THE PAVEMENT MARKING MATERIAL.
- 3) SEE NCDOT STD 665.01 SHEET 2 OF 2 FOR TREATMENT AT INTERSECTIONS.
- 4) IF SNOWPLOWABLE MARKERS ARE TO BE INSTALLED IN THE CENTERLINE, SKIP A 18" SPACE IN THE RUMBLE STRIPS EVERY 80'

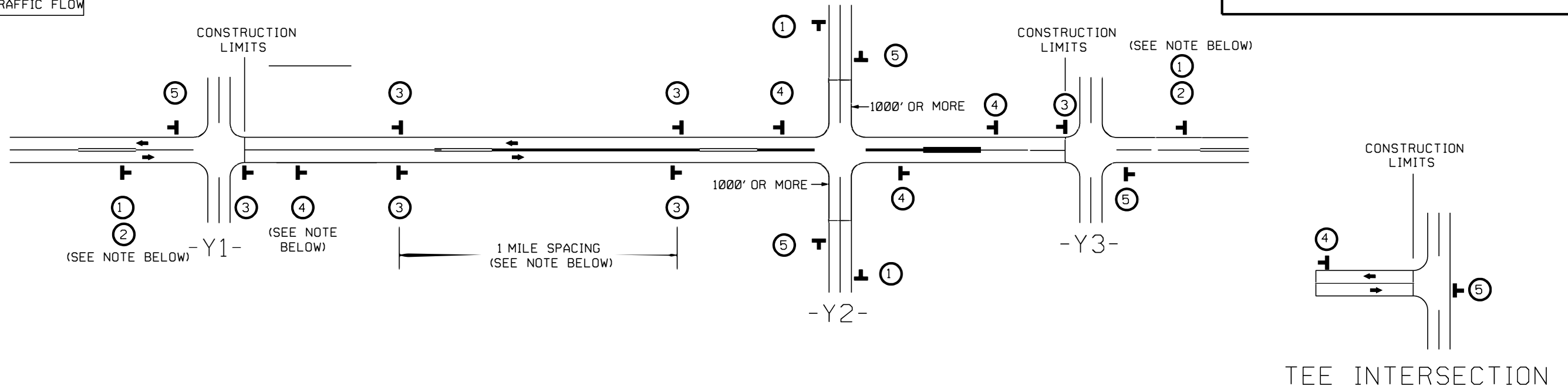
APPROVED: _____	DATE: _____	<b>MILLED RUMBLE STRIP DETAIL</b>	
SEAL 			
		DATE: JUN 17'	
DESIGN BY: TWB			
REVIEWED BY: TWB			

22-JUN-2017 14:22  
 \$AUDC\RDY\misc-81rct-151rct\_rumble-strip.dgn  
 \$AUDC\RDY\misc-81rct-151rct\_rumble-strip.dgn  
 \$AUDC\RDY\misc-81rct-151rct\_rumble-strip.dgn

# SIGNING FOR RESURFACING PROJECTS

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.14.10131 2021CPT.10.14.20131	15	20
F.A. PROJECT NO.			

LEGEND	
	STATIONARY SIGN
	DIRECTION OF TRAFFIC FLOW



## MAINLINE (-L-) SIGNING

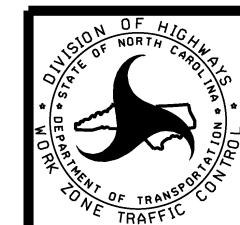
## -Y- LINE SIGNING

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. W20-1 48" X 48"	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.   W20-1 48" X 48" PLACED 500' IN ADVANCE OF FLAGGER.	
	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) W7-3 24" X 18"		 W20-7 A 48" X 48" PLACED 250' IN ADVANCE OF FLAGGER.
	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. SP 13107 48" X 48"		
	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. SP 13106 48" X 48"		
	5	 PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION. G20-2 A 48" X 24"		

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.

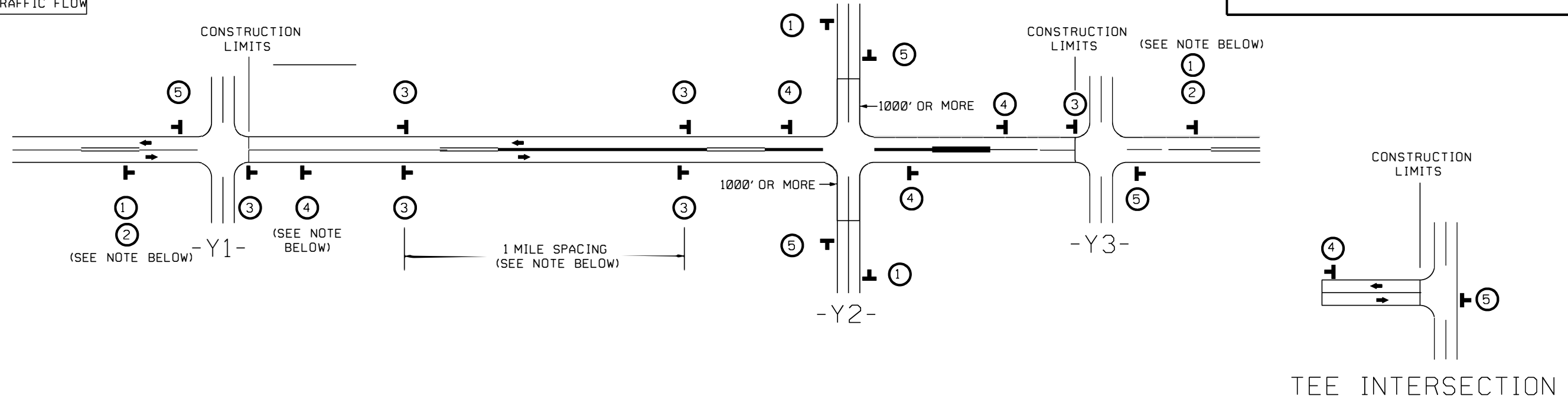


ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

# SIGNING FOR ASPHALT SURFACE TREATMENT

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.14.10131 2021CPT.10.14.20131	16	20
F.A. PROJECT NO.			

LEGEND	
	STATIONARY SIGN
	DIRECTION OF TRAFFIC FLOW



## MAINLINE (-L-) SIGNING

## -Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	<p>①  W20-1 48" X 48"</p> <p>②  W7-3aP 524" X 18"</p> <p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>#2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. (NO FRACTIONAL OR DECIMAL NUMBERS)</p>	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> <li>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>2) SUBDIVISION ROADS</li> <li>3) DEAD END ROADS</li> </ol> <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> <p> W20-1 48" X 48" PLACED 500' IN ADVANCE OF FLAGGER.</p> <p> W20-7 A 48" X 48" PLACED 250' IN ADVANCE OF FLAGGER.</p>
	<p>③  W8-7 48" X 48"</p> <p> SP 48" X 48"</p> <p>- ALTERNATE THE FOLLOWING TWO SIGNS:</p> <p>- STARTING WITH 'LOOSE GRAVEL' (W8-7) FOLLOWED BY 'UNMARKED PAVEMENT'</p> <p>- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER.</p> <p>- AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.</p>	
	<p>④  SP 13106 48" X 48"</p> <p>- THESE ARE FOR -Y- LINES THAT ARE 'THROUGH' ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT 'THROUGH' ROADWAYS.</p> <p>- INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE.</p> <p>- FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH.</p> <p>- A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM 'END ROAD WORK' SIGN.</p> <p>- FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.</p>	
	<p>⑤  G20-2 A 48" X 24"</p> <p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.</p>	
	<p>THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.</p>	

MAPS LESS THAN 2 MILES

FOR AST RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, USE A STATIONARY 'LOOSE GRAVEL' SIGN AT THE BEGINNING CONSTRUCTION LIMIT FOLLOWED BY AN 'UNMARKED PAVEMENT' SIGN MIDWAY THROUGH AND AN 'END ROAD WORK' SIGN AT THE END CONSTRUCTION LIMIT.



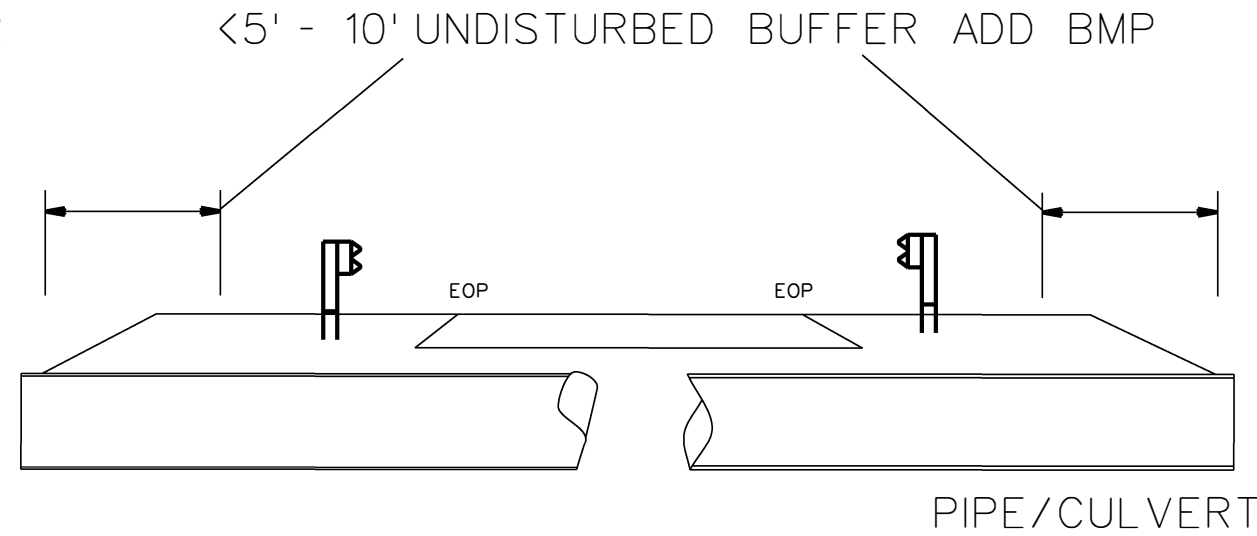
ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING



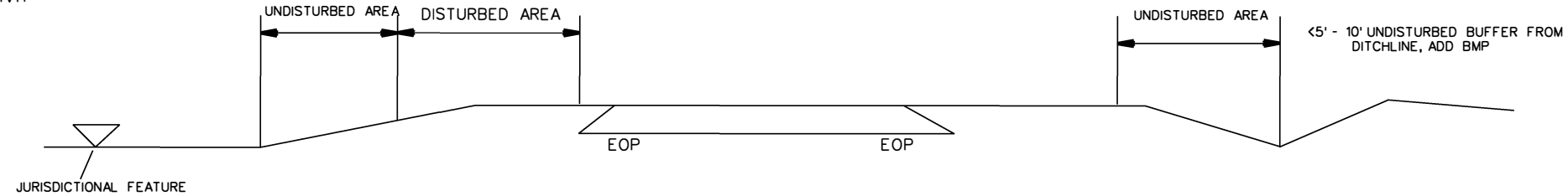
NOTES: LESS THAN 5' - 10' UNDISTURBED BUFFER FROM ROW, DITCHLINE, WATER FEATURE, OR DRAINAGE INLET, ADD BMP.

BMP OPTIONS: WATTLE OR SILT FENCE

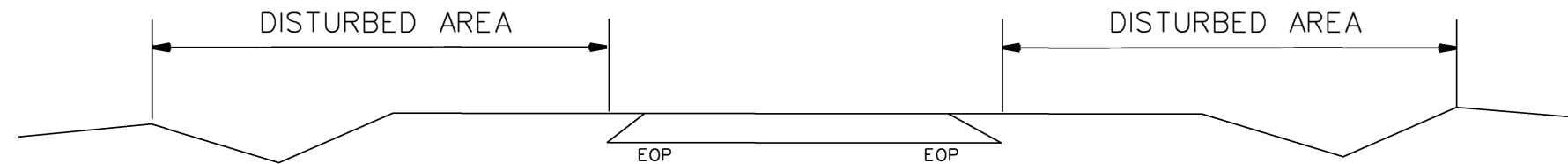
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.14.10131 2021CPT.10.14.20131	17	20
F.A. PROJECT NO.			



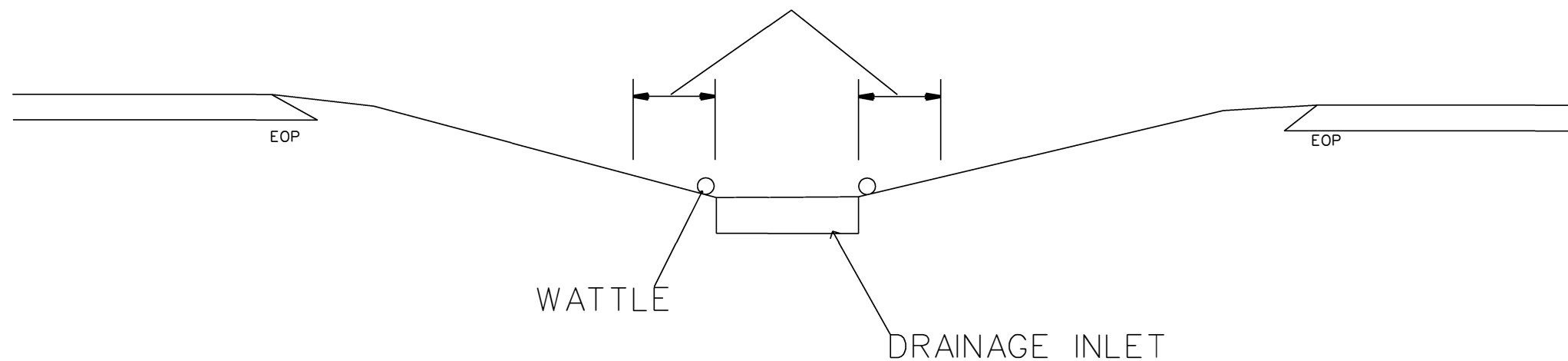
<5' - 10' UNDISTURBED BUFFER FROM JURISDICTIONAL FEATURE ADD BMP



USE BMP'S IF SHOULDERS AND/OR FRONTSLOPES AND/OR DITCHLINE AND/OR BACKSLOPES ARE DISTURBED



<5' - 10' UNDISTURBED BUFFER FROM INLET, ADD WATTLE



EROSION CONTROL DETAIL

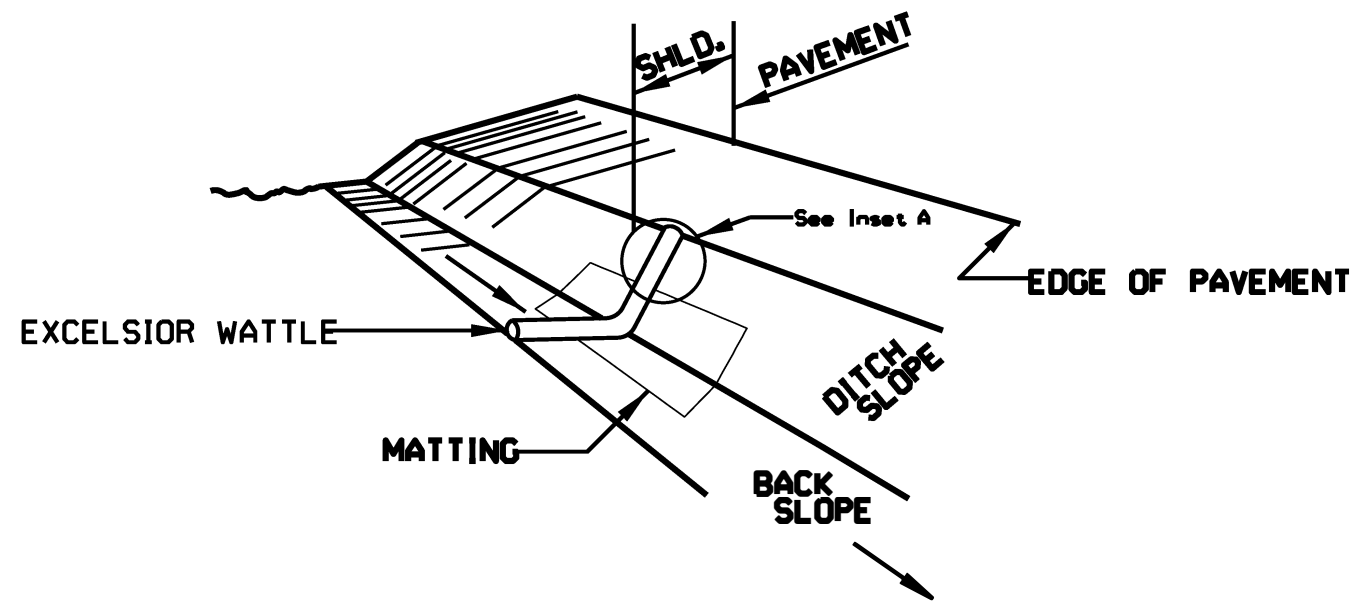
SCALE	MA
DATE	2/18
DWG. BY	JAB
DESIGN BY	JAB
APPROVED	JAB



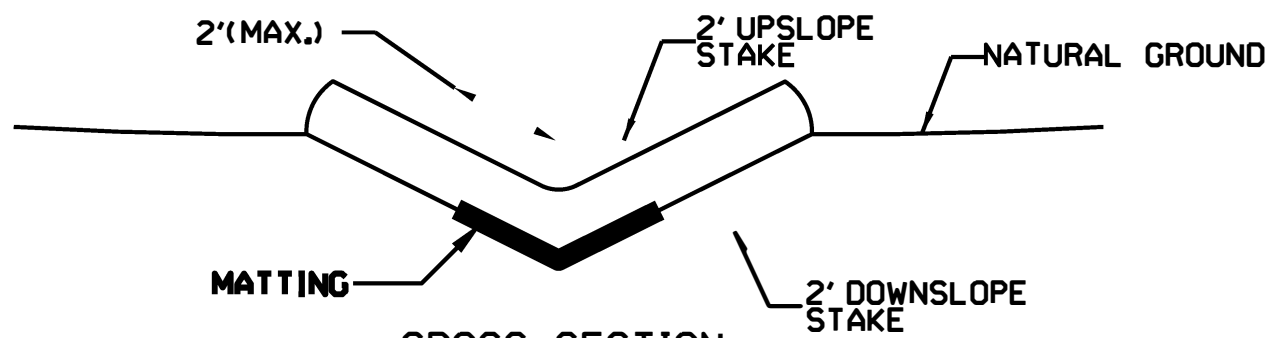
REVISIONS	

# WATTLE WITH POLYACRYLAMIDE DETAIL

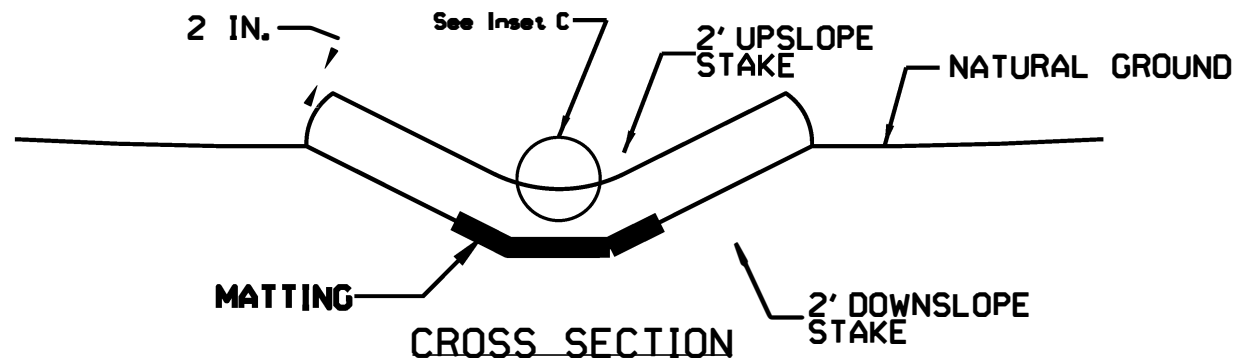
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.14.10131 2021CPT.10.14.20131	18	20
F.A. PROJECT NO.			



**ISOMETRIC VIEW**



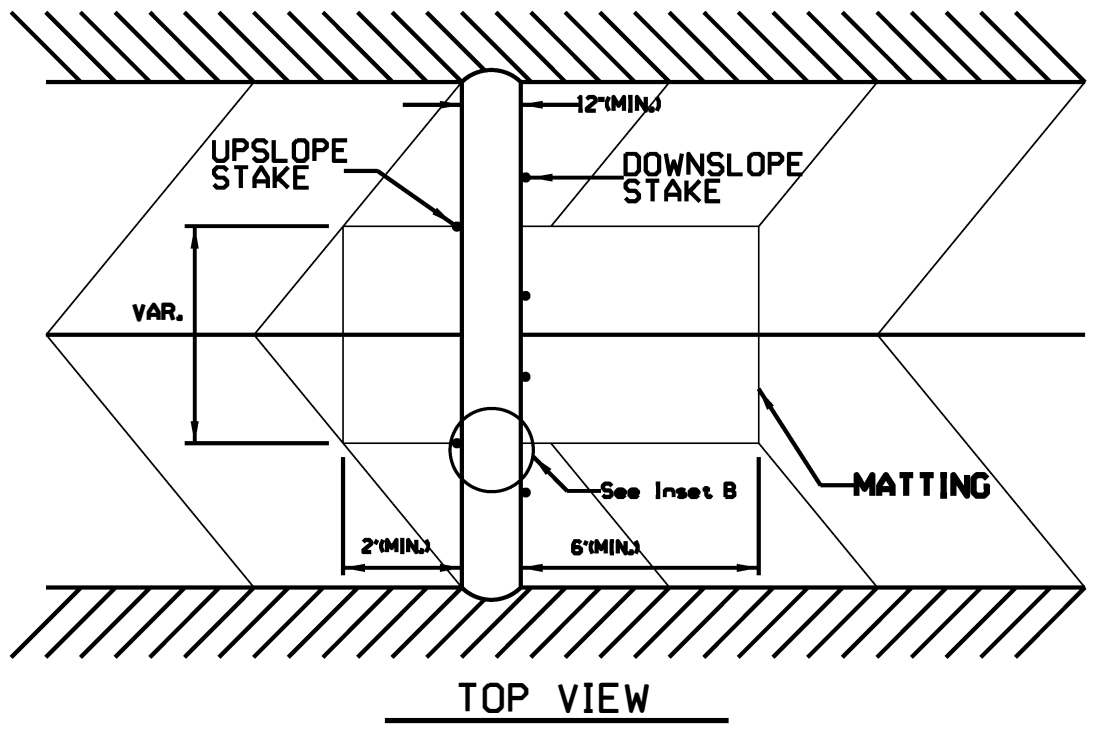
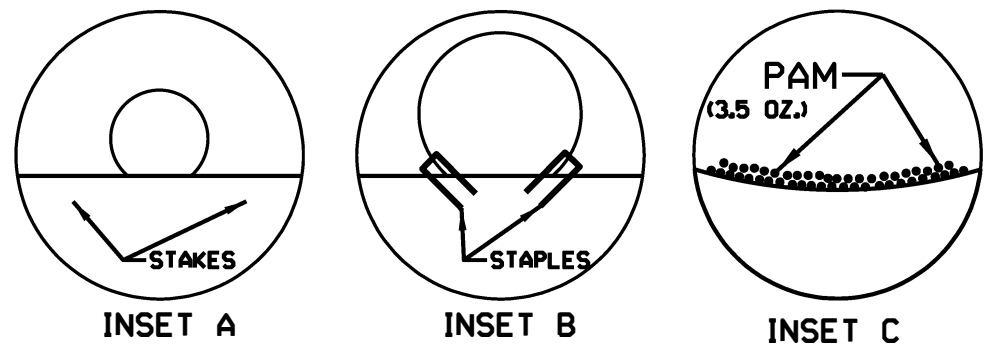
**CROSS SECTION VEE DITCH**



**CROSS SECTION TRAPEZOIDAL DITCH**

**NOTES:**

- USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. CROSS SECTION.
- 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.
- PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.
- INITIALLY APPLY 3.5 OUNCES OF ANIONIC OR NEUTRALLY CHARGED POLYACRYLAMIDE (PAM) OVER WATTLE WHERE WATER WILL FLOW AND AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



**TOP VIEW**



