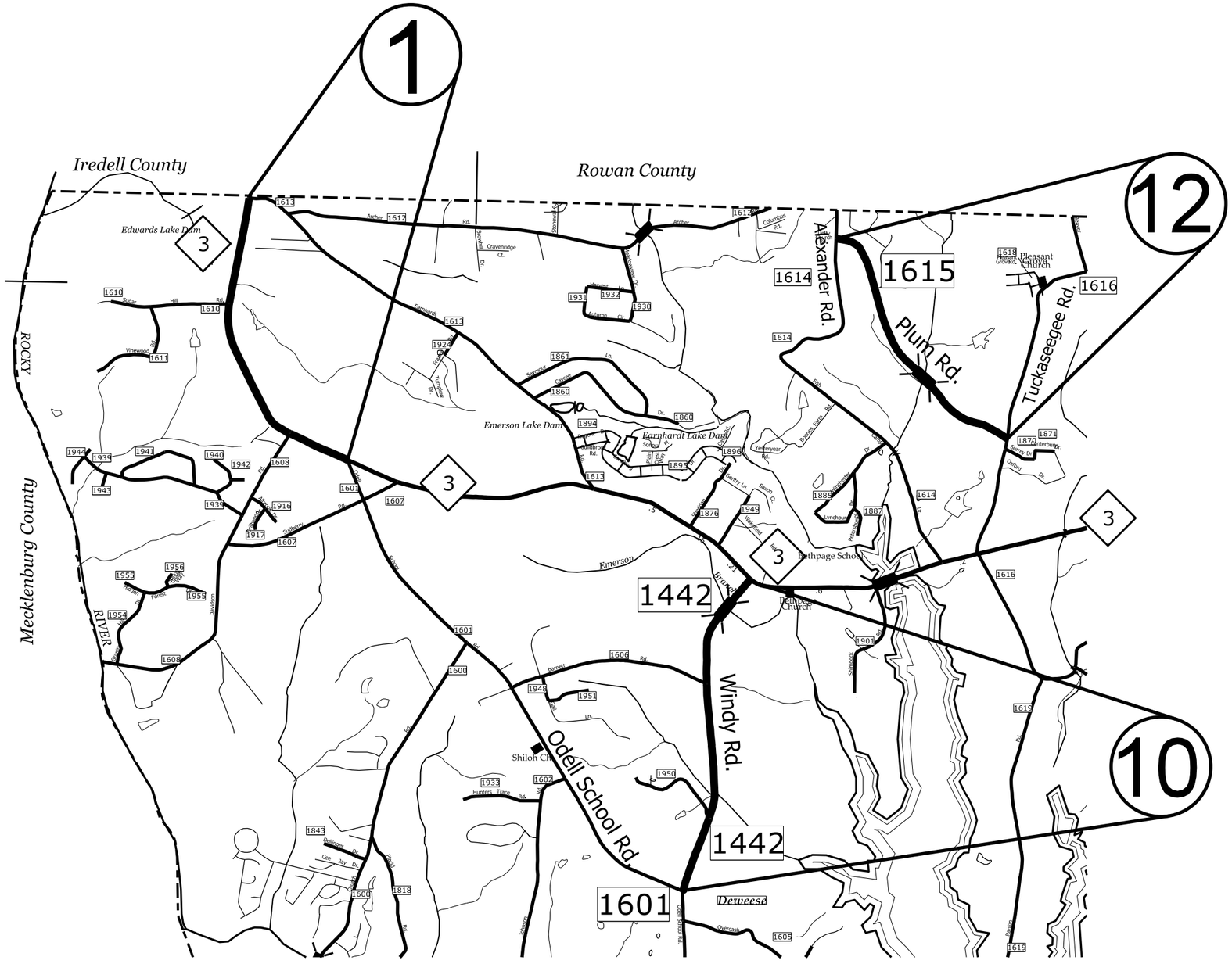
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.02.10131, 2020CPT.10.02.20131, 2020CPT.10.02.20132	1	
F.A. PROJECT NO.			



N

S

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 1.48 MILES
FROM SR 1601 (ODELL SCHOOL ROAD) (MP 18.87)
TO COUNTY LINE (MP 20.35)

MAP #10 - SR 1442 (WINDY ROAD) 1.51 MILES
FROM NC 3 (MP 0.0)
TO SR 1601 (ODELL SCHOOL ROAD) (MP 1.51)

MAP #12 - SR 1615 (PLUM RD) 1.27 MILES
FROM SR 1616 (TUCKASEEGEE RD) (MP 1.27)
TO SR 1614 (ALEXANDER RD) (MP 0.00)

Project Note: Signal loops will be handled by the Division.

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.02.10131, 2020CPT.10.02.20131, 2020CPT.10.02.20132	2	
F.A. PROJECT NO.			

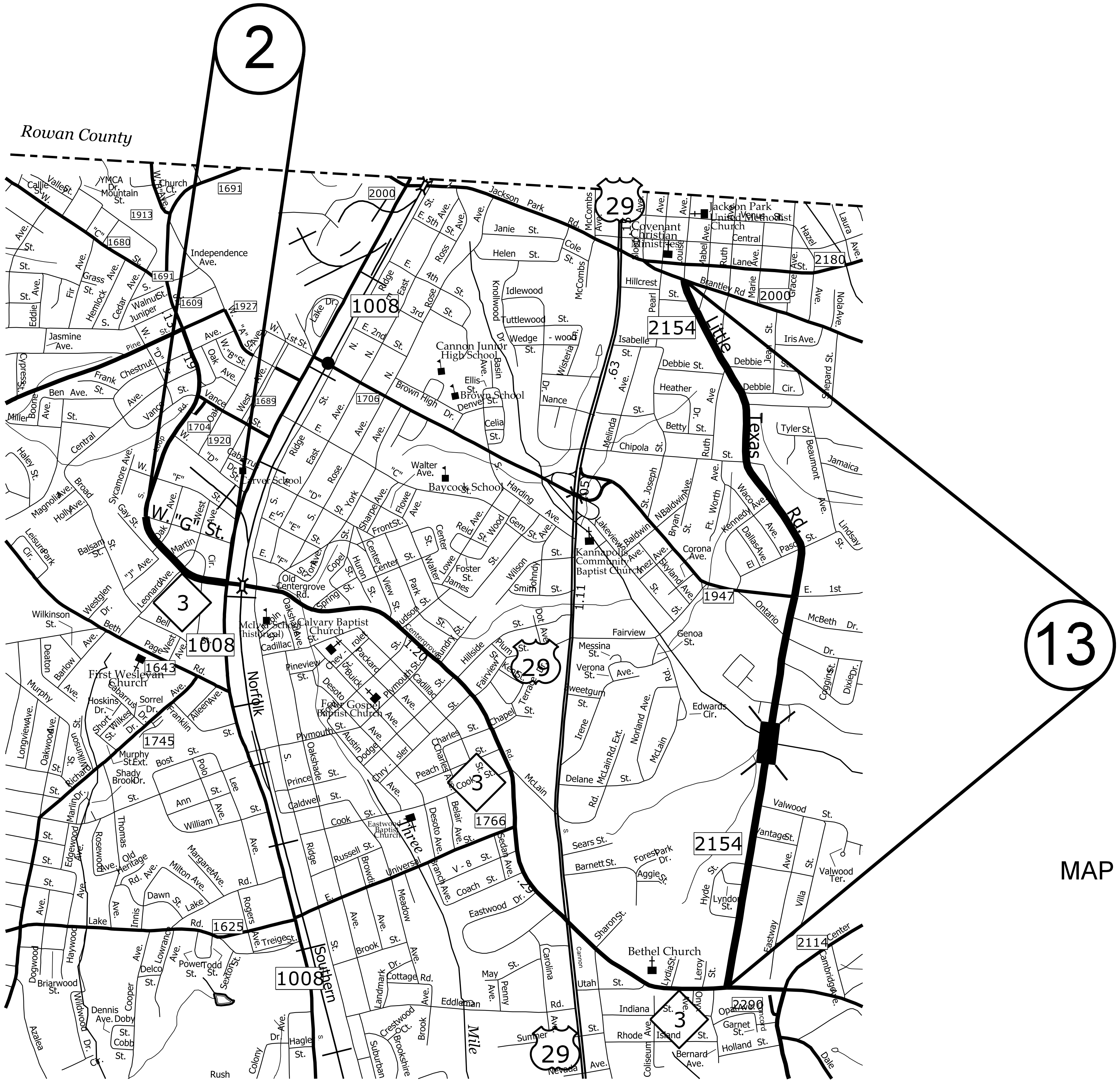
ENLARGED MUNICIPAL AND SUBURBAN AREAS

CABARRUS COUNTY

NORTH CAROLINA

PREPARED BY THE

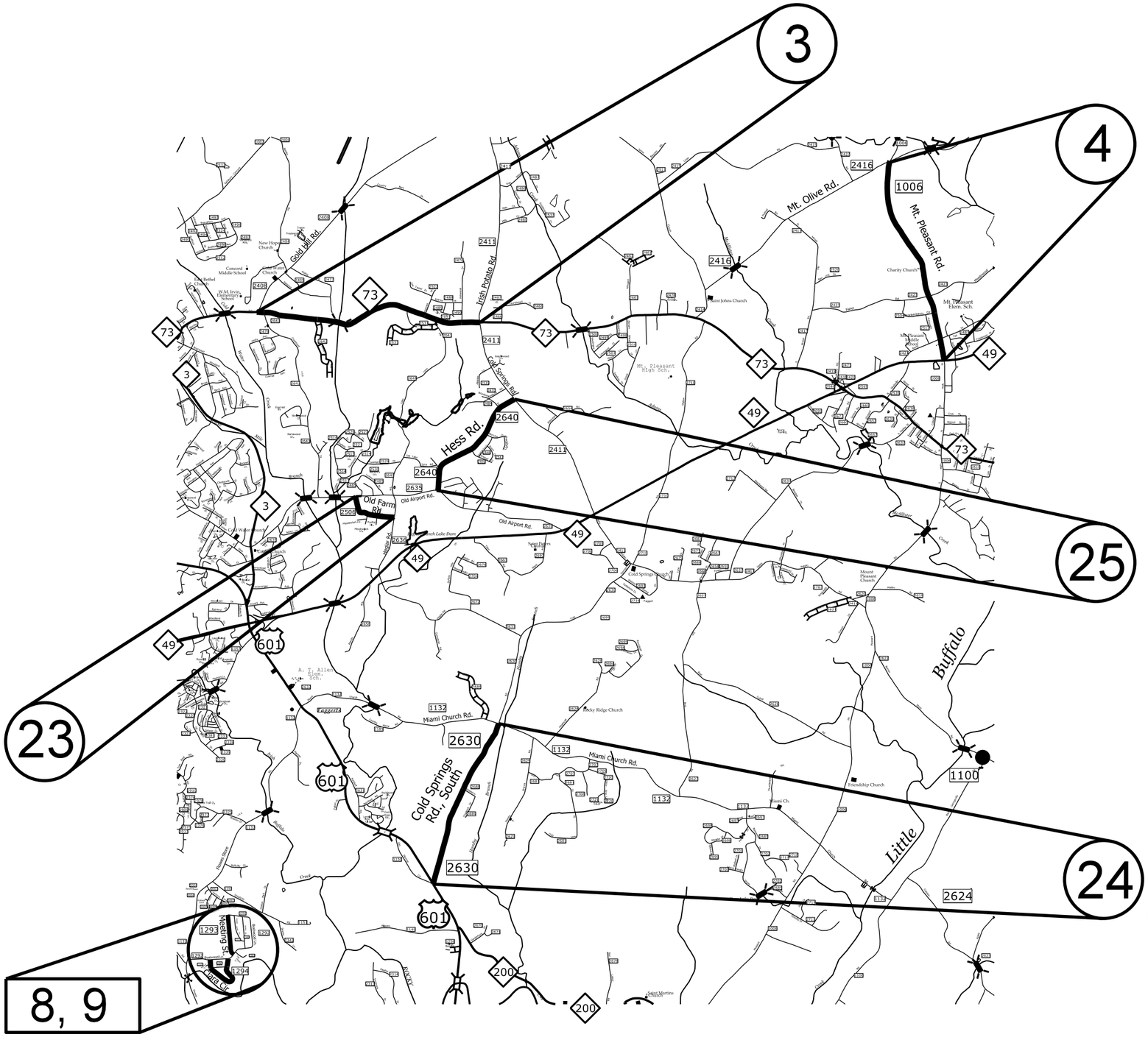
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1



MAP #2 - NC 3 0.31 MILES
FROM SR 1008 (SOUTH MAIN STREET) (MP 10.11)
TO WEST G STREET (MP 10.42)

MAP #13 - SR 2154 (LITTLE TEXAS ROAD- N & S) 2.03 MILES
FROM NC 3 (MP 2.03)
TO SR 2000 (BRANTLEY ROAD) (MP 0.0)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.02.10131, 2020CPT.10.02.20131, 2020CPT.10.02.20132	3	
F.A. PROJECT NO.			



N

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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 - NC 73 2.31 MILES
FROM SR 2408 (GOLD HILL ROAD) (MP 13.09)
TO SR 2411 (IRISH POTATO ROAD) (MP 15.40)

MAP #4 - SR 1006 (MT. PLEASANT ROAD) 2.0 MILES
FROM NC 49 (MP 6.78)
TO SR 2416 (MT. OLIVE ROAD) (MP 4.77)

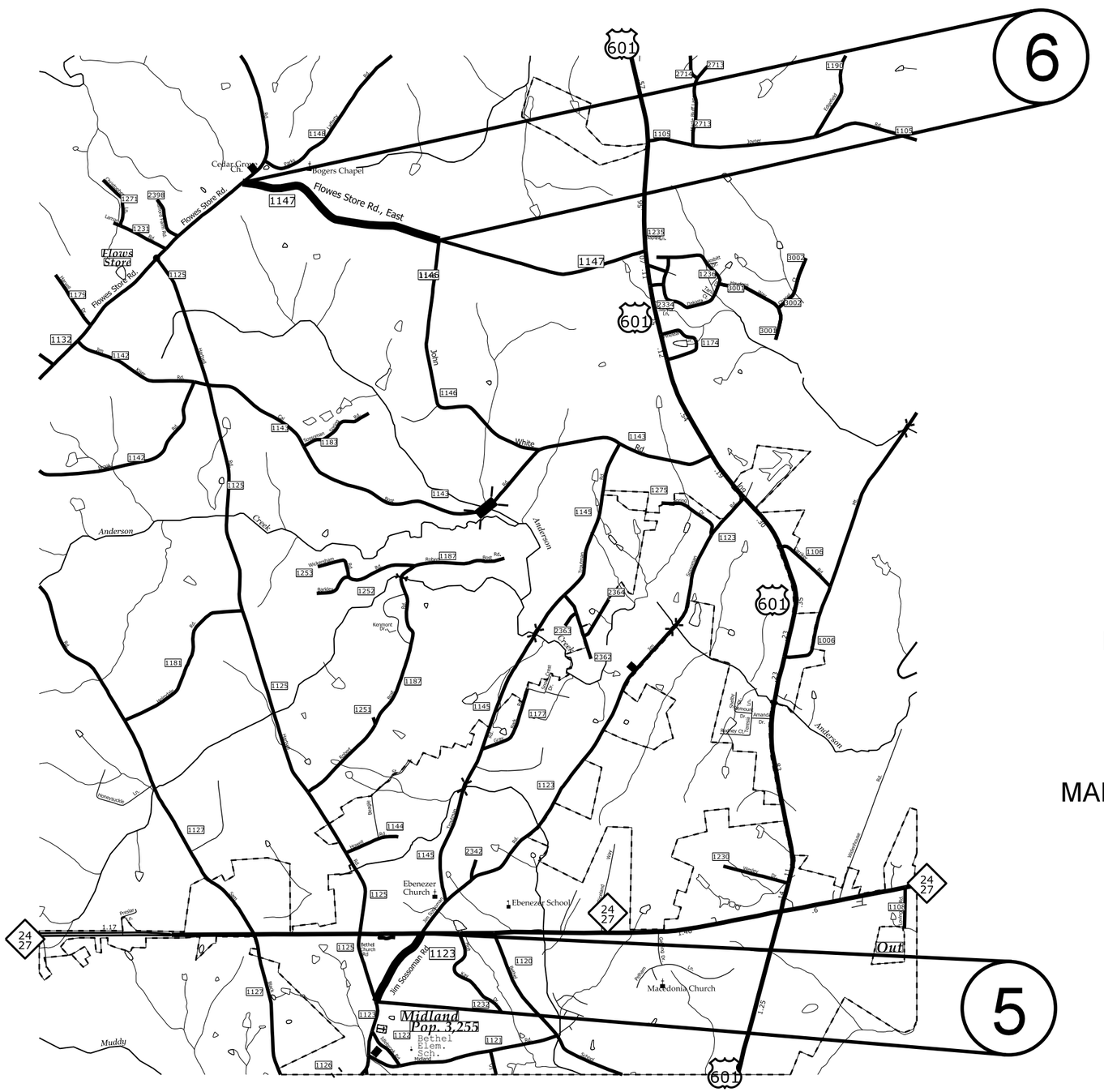
MAP #8 - SR 1293 (MEETING STREET) 0.38 MILES
FROM SR 1292 (BOSTWOOD LANE) (MP 0.00)
TO SR 1292 (BOSTWOOD LANE) (MP 0.38)

MAP #9 - SR 1294 (CLARA CIRCLE) 0.564 MILES
FROM SR 1292 (BOSTWOOD LANE) (MP 0.00)
TO SR 1292 (BOSTWOOD LANE) (MP 0.57)

MAP #23 - SR 2506 (OLD FARM ROAD) 0.49 MILES
FROM SR 2635 (OLD AIRPORT ROAD) (MP 0.0)
TO SR 2636 (HEGLAR ROAD) (MP 0.49)

MAP #24 - SR 2630 (COLD SPRINGS ROAD, SOUTH) 1.65 MILES
FROM SR 1132 (MIAMI CHURCH ROAD) (MP 2.18)
TO US 601 (MP 3.83)

MAP #25 - SR 2640 (HESS ROAD) 1.20 MILES
FROM SR 2411 (COLD SPRINGS ROAD) (MP 1.2)
TO SR 2635 (OLD AIRPORT ROAD) (MP 0.0)



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.02.10131, 2020CPT.10.02.20131, 2020CPT.10.02.20132	4	
F.A. PROJECT NO.			

N

S

ENLARGED MUNICIPAL AND SUBURBAN AREAS

CABARRUS COUNTY

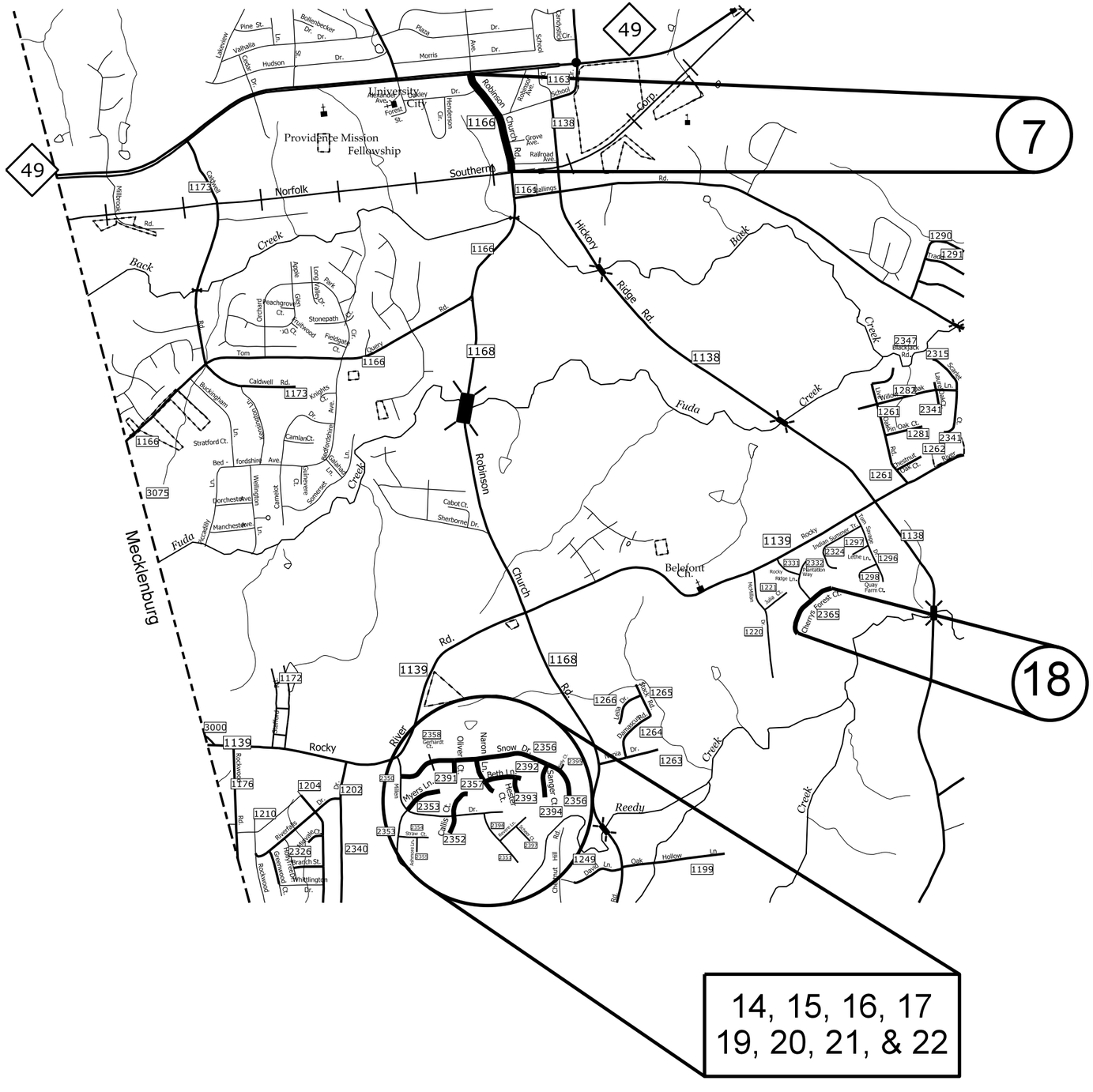
NORTH CAROLINA

PREPARED BY THE

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1

MAP #5 - SR 1123 (JIM SOSSOMAN ROAD) 0.41 MILES
FROM NC 24/27 (MP 2.81)
TO SR 1125 (BETHEL CHURCH ROAD) (MP 3.22)

MAP #6 - SR 1147 (FLOWES STORE RD, EAST) 1.08 MILES
FROM SR 1132 (FLOWES STORE ROAD) (MP 0.0)
TO SR 1146 (JOHN WHITE ROAD) (MP 1.08)



14, 15, 16, 17
19, 20, 21, & 22

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.02.10131, 2020CPT.10.02.20131, 2020CPT.10.02.20132	5	
F.A. PROJECT NO.			

N

S

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 #7 - SR 1166 (ROBINSON CHURCH ROAD) 0.376 MILES
FROM NC 49 (MP 0.0) TO THE RAILROAD (MP 0.376)

MAP #14 - SR 2352 (CALLIS COURT) 0.184 MILES
FROM DEAD END (MP 0.0) TO CUL-DE-SAC (MP 0.184)

MAP #15 - SR 2353 (MYERS LANE) 0.143 MILES
FROM SR 2350 (MILLEN DRIVE) (MP 0.14) TO CUL-DE-SAC (MP 0.0)

MAP #16 - SR 2356 (SNOW DRIVE) 0.75 MILES
FROM SR 2350 (MILLEN DRIVE) (MP 0.0) TO CUL-DE-SAC (MP 0.75)

MAP #17 - SR 2357 (NARON LANE) 0.142 MILES
FROM SR 2356 (SNOW DRIVE) (MP 0.0) TO CUL-DE-SAC (MP 0.14)

MAP #18 - SR 2365 (CHERRY'S FORD COURT) 0.244 MILES
FROM CUL-DE-SAC (MP 0.24) TO CUL-DE-SAC (MP 0.0)

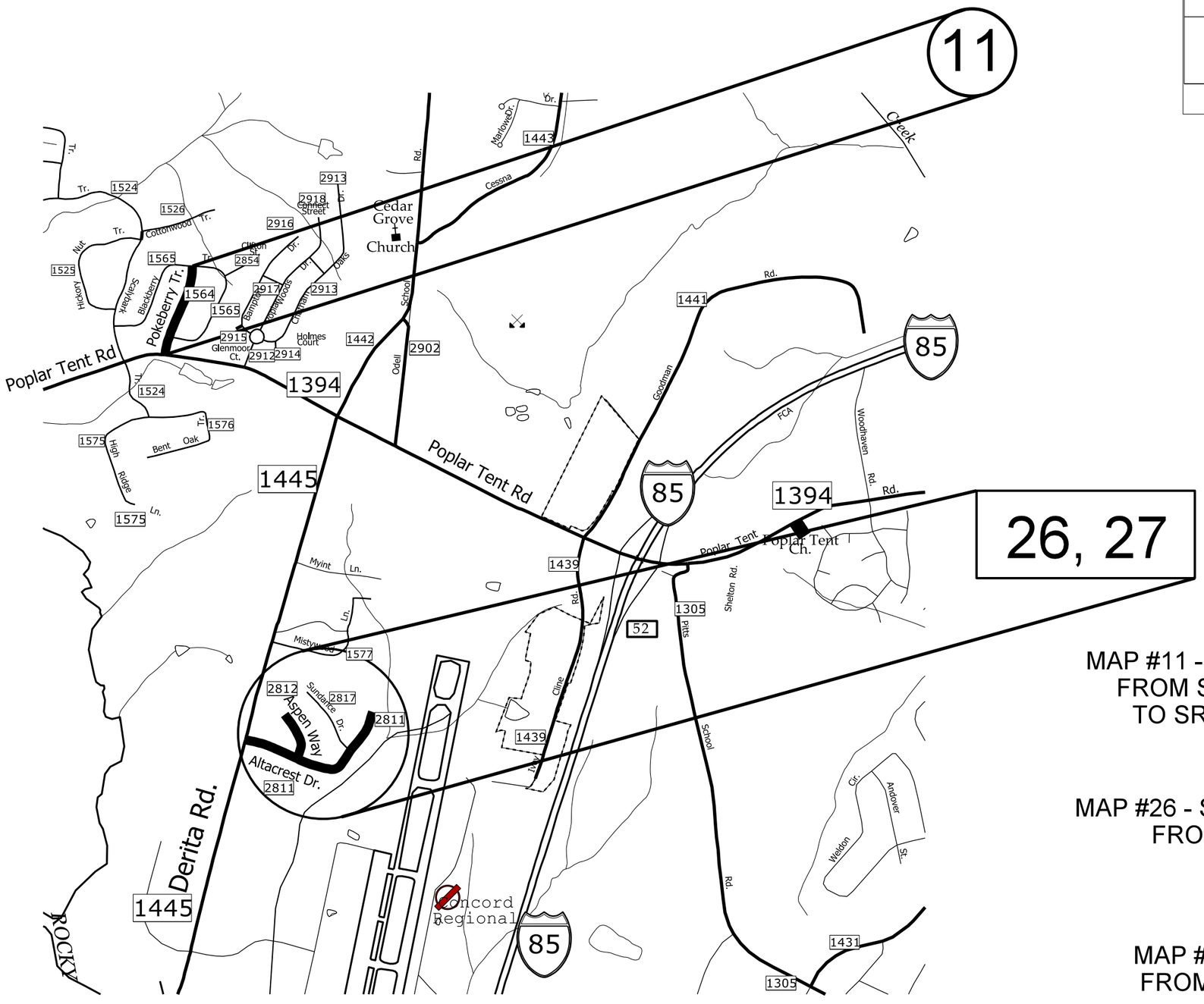
MAP #19 - SR 2391 (OLIVER COURT) 0.05 MILES
FROM SR 2356 (SNOW DRIVE) (MP 0.0) TO CUL-DE-SAC (MP 0.05)

MAP #20 - SR 2392 (BETH LANE) 0.14 MILES
FROM SR 2357 (NARON LANE) (MP 0.0) TO CUL-DE-SAC (MP 0.14)

MAP #21 - SR 2393 (HESTER COURT) 0.061 MILES
FROM SR 2392 (BETH LANE) (MP 0.0) TO CUL-DE-SAC (MP 0.06)

MAP #22 - SR 2394 (SANGER COURT) 0.13 MILES
FROM SR 2356 (SNOW DRIVE) (MP 0.0) TO CUL-DE-SAC (MP 0.13)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.02.10131, 2020CPT.10.02.20131, 2020CPT.10.02.20132	6	
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS

CABARRUS COUNTY

NORTH CAROLINA

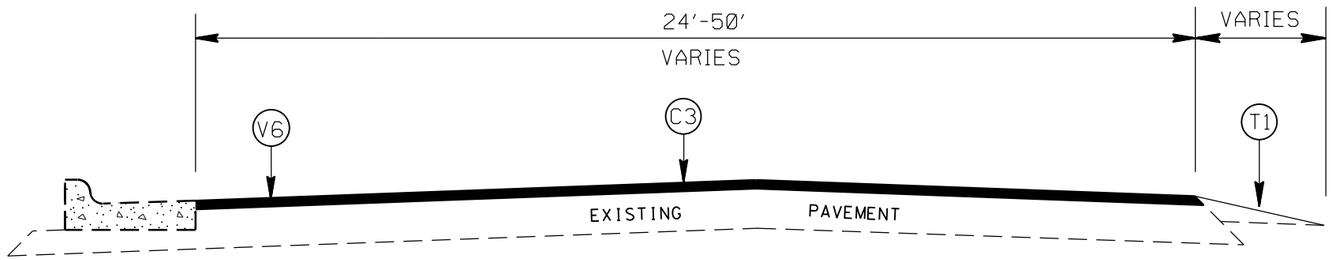
PREPARED BY THE

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1

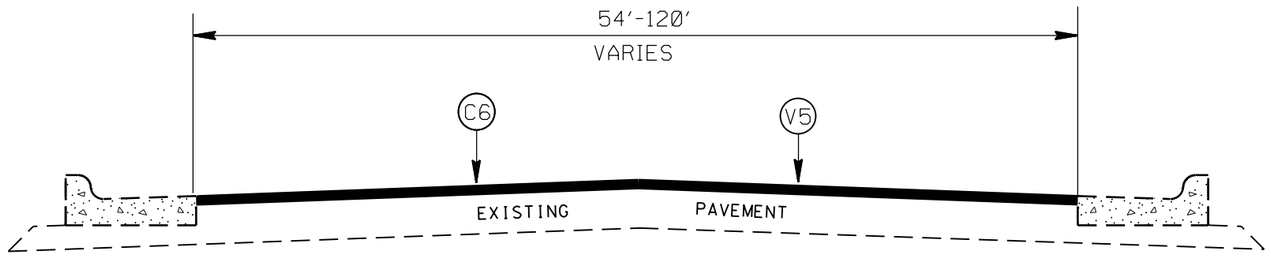
MAP #11 - SR 1564 (POKEBERRY TRAIL) 0.25 MILES
FROM SR 1394 (POPLAR TENT ROAD) (MP 0.0)
TO SR 1565 (BLACKBERRY TRAIL) (MP 0.25)

MAP #26 - SR 2811 (ALTACREST DRIVE) 0.455 MILES
FROM SR 1445 (DERITA ROAD) (MP 0.0)
TO CUL-DE-SAC (MP 0.45)

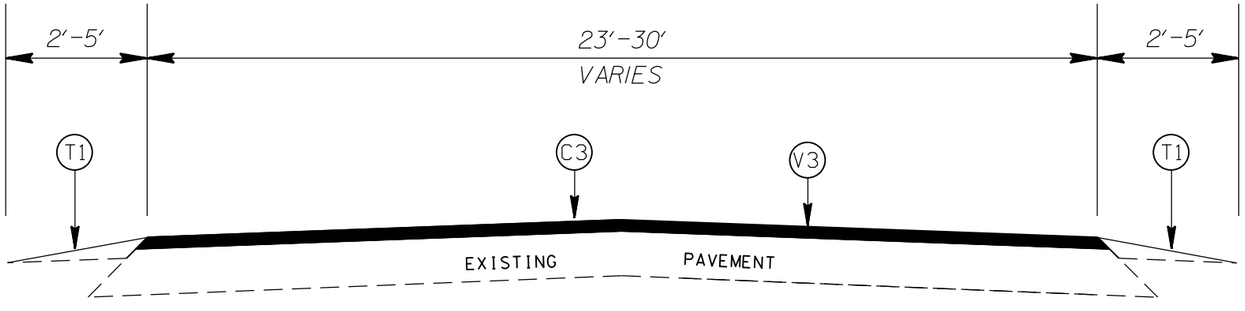
MAP #27 - SR 2812 (ASPEN WAY) 0.146 MILES
FROM SR 2811 (ALTACREST DRIVE) (MP 0.0)
TO CUL-DE-SAC (MP 0.15)



TYPICAL SECTION NO. 3
NC 73



TYPICAL SECTION NO. 2
NC 3 (DALE EARNHARDT BLVD)



TYPICAL SECTION NO. 1
NC 3

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.02.10131 2020CPT.10.02.20131 2020CPT.10.02.20132	7	
F.A. PROJECT NO.			

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 138 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C4	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C5	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C6	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS
F1	ASPHALT SURFACE TREATMENT, MATCOAT, #67 STONE
F2	ASPHALT SURFACE TREATMENT, MATCOAT, #78M STONE
F3	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
T1	SHOULDER RECONSTRUCTION
V1	MILLING OF EXISTING PAVEMENT, 1.0"
V2	MILLING OF EXISTING PAVEMENT, 1.25"
V3	MILLING OF EXISTING PAVEMENT, 1.5"
V4	MILLING OF EXISTING PAVEMENT, 2.0"
V5	MILLING OF EXISTING PAVEMENT, 3.0"
V6	PROFILE MILLING OF EXISTING ASPHALT, 0"-1.5" (8' WIDTH)
V7	PROFILE MILLING OF EXISTING ASPHALT, 0"-2" (8' WIDTH)
Z	FULL DEPTH RECLAMATION - DEPTH OF 12"

NOTES:

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

2. ON MAP #4, #13, #24 & #25, PLACE AST IMMEDIATELY BEFORE RESURFACING

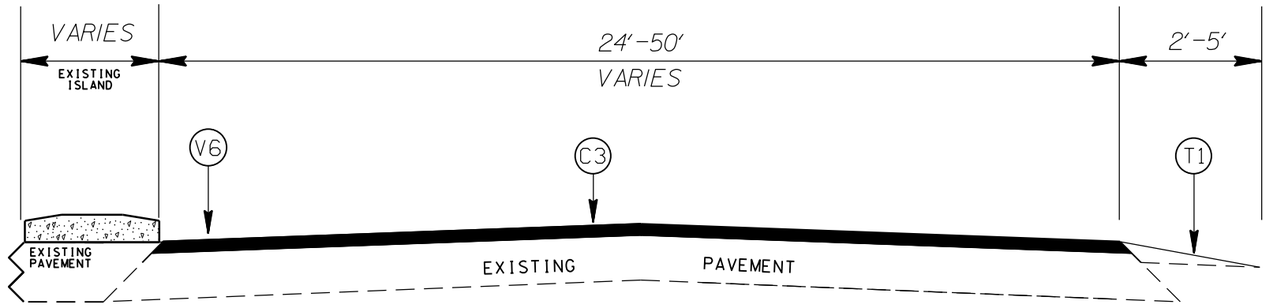
3. FULL DEPTH RECLAMATION AND AST SHALL BE COMPLETED ON MAP #5 PRIOR TO THE ASPHALT OVERLAY.

CABARRUS COUNTY
RESURFACING 2019-2020

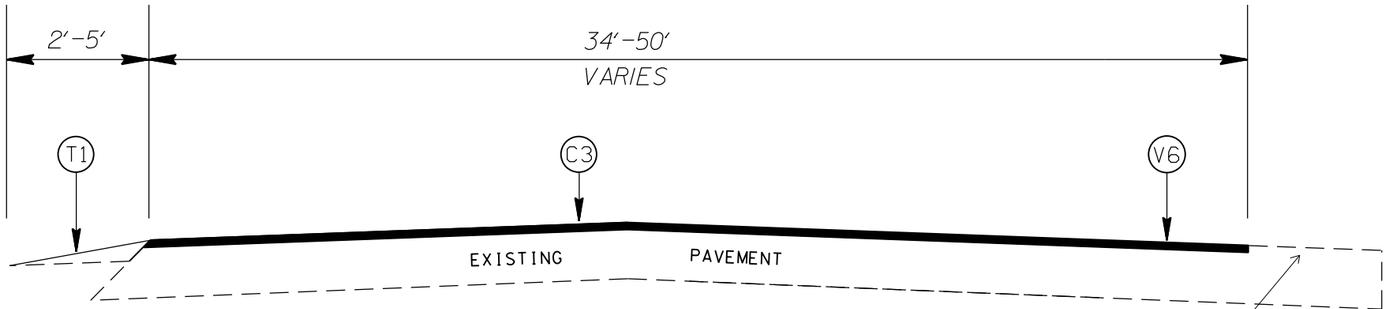
SCALE	-NA-
DATE	10/18
DWG. BY	JWH
DESIGN BY	JWH
APPROVED	

REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.02.10131 2020CPT.10.02.20131 2020CPT.10.02.20132	8	
F.A. PROJECT NO.			

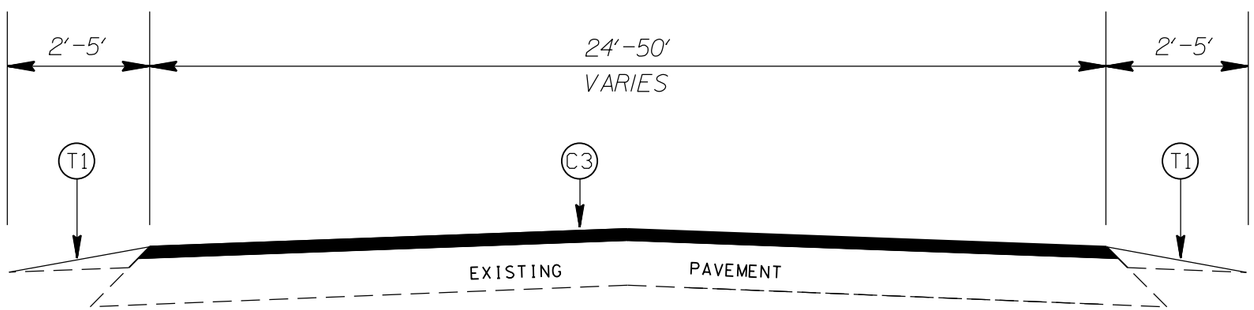


TYPICAL SECTION NO. 6
NC 73



TYPICAL SECTION NO. 5
NC 73

PAVED ENTRANCE INTO
PLEASANT OAKS
HOUSING DEVELOPMENT



TYPICAL SECTION NO. 4
NC 73

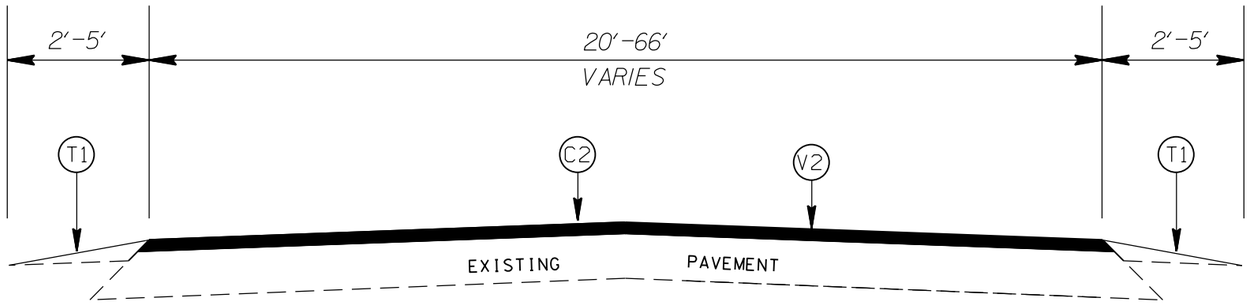
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 138 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C4	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C5	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C6	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS
F1	ASPHALT SURFACE TREATMENT, MATCOAT, #67 STONE
F2	ASPHALT SURFACE TREATMENT, MATCOAT, #78M STONE
F3	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
T1	SHOULDER RECONSTRUCTION
V1	MILLING OF EXISTING PAVEMENT, 1.0"
V2	MILLING OF EXISTING PAVEMENT, 1.25"
V3	MILLING OF EXISTING PAVEMENT, 1.5"
V4	MILLING OF EXISTING PAVEMENT, 2.0"
V5	MILLING OF EXISTING PAVEMENT, 3.0"
V6	PROFILE MILLING OF EXISTING ASPHALT, 0"-1.5" (8' WIDTH)
V7	PROFILE MILLING OF EXISTING ASPHALT, 0"-2" (8' WIDTH)
Z	FULL DEPTH RECLAMATION - DEPTH OF 12"

NOTES:
1. LEVELING COURSE TO BE PLACED AS DIRECTED BY THE ENGINEER
2. ON MAP #4, #13, #24 & #25, PLACE AST IMMEDIATELY BEFORE RESURFACING
3. FULL DEPTH RECLAMATION AND AST SHALL BE COMPLETED ON MAP #5 PRIOR TO THE ASPHALT OVERLAY.

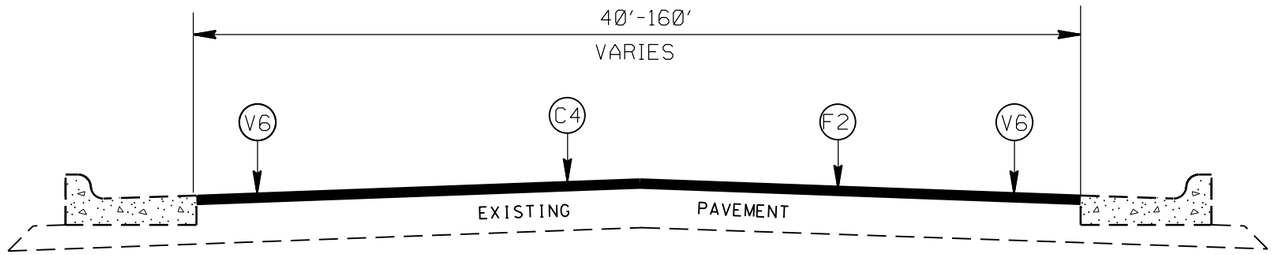
CABARRUS COUNTY
RESURFACING 2019-2020

SCALE	-NA-
DATE	10/18
DWG. BY	JWH
DESIGN BY	JWH
APPROVED	

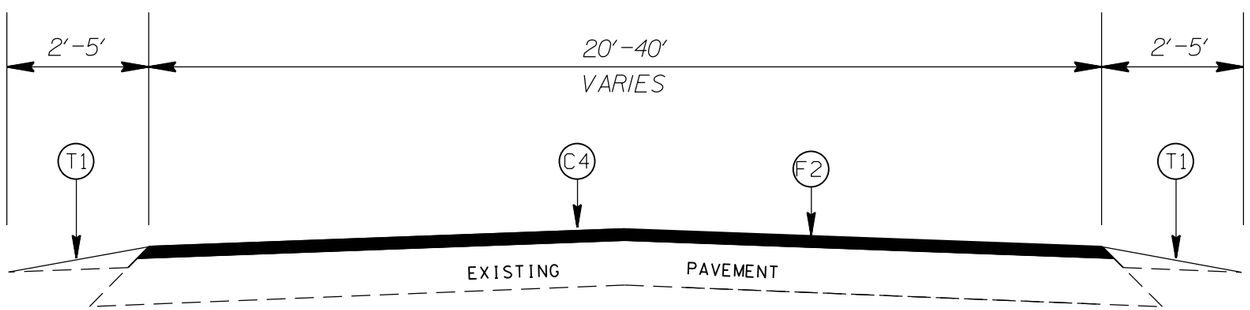
REVISIONS	



TYPICAL SECTION NO. 9
SR-1147 (FLOWES STORE RD, EAST)



TYPICAL SECTION NO. 8
SR-1006 (MT PLEASANT RD)



TYPICAL SECTION NO. 7
SR-1006 (MT PLEASANT RD)
SR-2640 (HESS RD)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.02.10131 2020CPT.10.02.20131 2020CPT.10.02.20132	9	
F.A. PROJECT NO.			

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 138 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C4	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C5	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C6	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS
F1	ASPHALT SURFACE TREATMENT, MATCOAT, #67 STONE
F2	ASPHALT SURFACE TREATMENT, MATCOAT, #78M STONE
F3	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
T1	SHOULDER RECONSTRUCTION
V1	MILLING OF EXISTING PAVEMENT, 1.0"
V2	MILLING OF EXISTING PAVEMENT, 1.25"
V3	MILLING OF EXISTING PAVEMENT, 1.5"
V4	MILLING OF EXISTING PAVEMENT, 2.0"
V5	MILLING OF EXISTING PAVEMENT, 3.0"
V6	PROFILE MILLING OF EXISTING ASPHALT, 0"-1.5" (8' WIDTH)
V7	PROFILE MILLING OF EXISTING ASPHALT, 0"-2" (8' WIDTH)
Z	FULL DEPTH RECLAMATION - DEPTH OF 12"

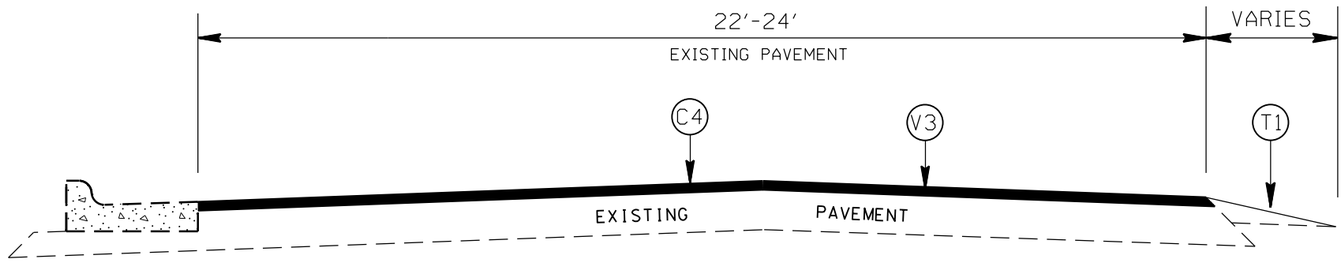
NOTES:

1. LEVELING COURSE TO BE PLACED AS DIRECTED BY THE ENGINEER
2. ON MAP #4, #13, #24 & #25, PLACE AST IMMEDIATELY BEFORE RESURFACING
3. FULL DEPTH RECLAMATION AND AST SHALL BE COMPLETED ON MAP #5 PRIOR TO THE ASPHALT OVERLAY.

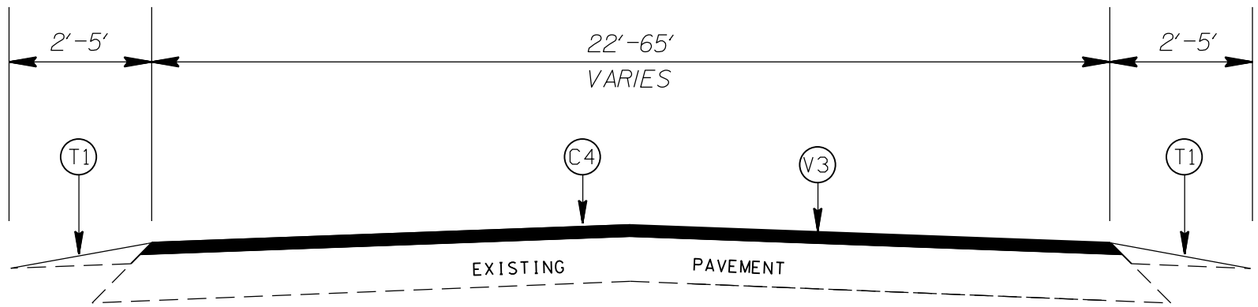
CABARRUS COUNTY
RESURFACING 2019-2020

SCALE	-NA-
DATE	10/18
DWG. BY	JWH
DESIGN BY	JWH
APPROVED	

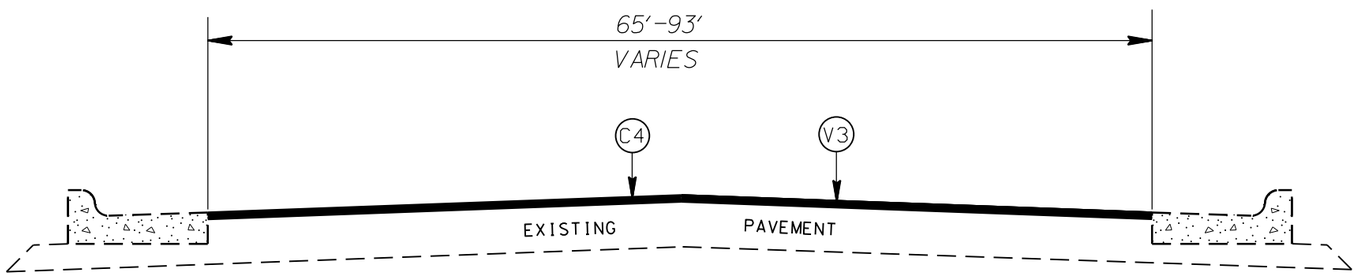
REVISIONS	



TYPICAL SECTION NO. 12
SR-1166 (ROBINSON CHURCH RD)



TYPICAL SECTION NO. 11
SR-1166 (ROBINSON CHURCH RD)



TYPICAL SECTION NO. 10
SR-1166 (ROBINSON CHURCH RD)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.02.10131 2020CPT.10.02.20131 2020CPT.10.02.20132	10	
F.A. PROJECT NO.			

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 138 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C4	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C5	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C6	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS
F1	ASPHALT SURFACE TREATMENT, MATCOAT, #67 STONE
F2	ASPHALT SURFACE TREATMENT, MATCOAT, #78M STONE
F3	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
T1	SHOULDER RECONSTRUCTION
V1	MILLING OF EXISTING PAVEMENT, 1.0"
V2	MILLING OF EXISTING PAVEMENT, 1.25"
V3	MILLING OF EXISTING PAVEMENT, 1.5"
V4	MILLING OF EXISTING PAVEMENT, 2.0"
V5	MILLING OF EXISTING PAVEMENT, 3.0"
V6	PROFILE MILLING OF EXISTING ASPHALT, 0"-1.5" (8' WIDTH)
V7	PROFILE MILLING OF EXISTING ASPHALT, 0"-2" (8' WIDTH)
Z	FULL DEPTH RECLAMATION - DEPTH OF 12"

NOTES:

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

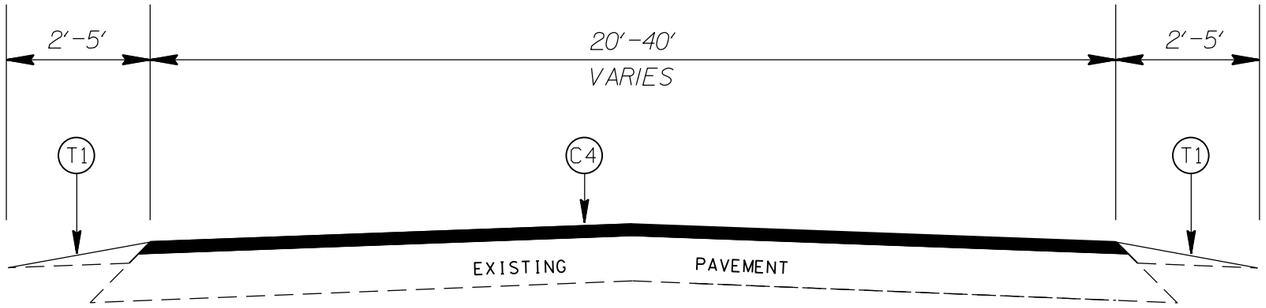
2. ON MAP #4, #13, #24 & #25, PLACE AST IMMEDIATELY BEFORE RESURFACING

3. FULL DEPTH RECLAMATION AND AST SHALL BE COMPLETED ON MAP #5 PRIOR TO THE ASPHALT OVERLAY.

CABARRUS COUNTY
RESURFACING 2019-2020

		REVISIONS	
SCALE	-NA-		
DATE	10/18		
DWG. BY	JWH		
DESIGN BY	JWH		
APPROVED			

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.02.10131 2020CPT.10.02.20131 2020CPT.10.02.20132	11	
F.A. PROJECT NO.			

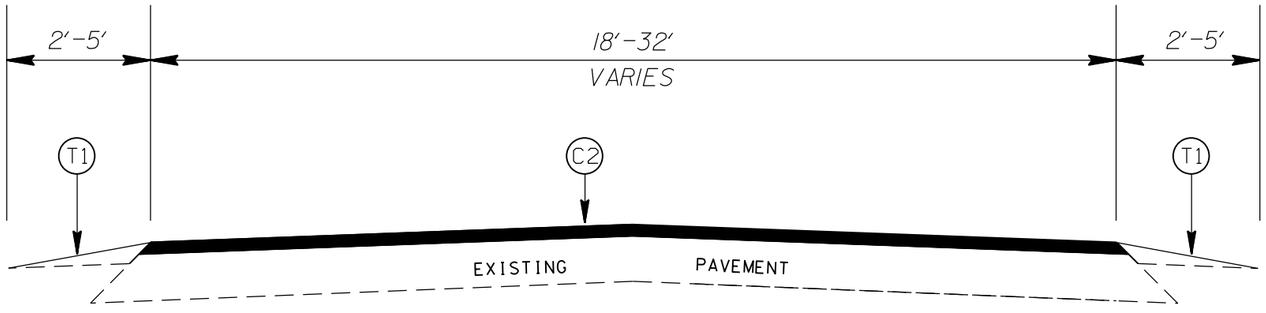


TYPICAL SECTION NO. 14

SR-1442 (WINDY RD) SR-1615 (PLUM RD)

SR-2811 (ALTACREST DR) SR-2812 (ASPEN WAY)

(SEE PROJECT SPECIAL PROVISIONS:
MAP 12 (PLUM RD)-BRIDGE #16- MILL AND FILL 1.5")



TYPICAL SECTION NO. 13

SR-1293 (MEETING ST) SR-1294 (CLARA CIRCLE)

SR-1564 (POKEBERRY TRAIL) SR-2506 (OLD FARM RD)

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 138 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C4	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C5	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C6	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS
F1	ASPHALT SURFACE TREATMENT, MATCOAT, #67 STONE
F2	ASPHALT SURFACE TREATMENT, MATCOAT, #78M STONE
F3	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
T1	SHOULDER RECONSTRUCTION
V1	MILLING OF EXISTING PAVEMENT, 1.0"
V2	MILLING OF EXISTING PAVEMENT, 1.25"
V3	MILLING OF EXISTING PAVEMENT, 1.5"
V4	MILLING OF EXISTING PAVEMENT, 2.0"
V5	MILLING OF EXISTING PAVEMENT, 3.0"
V6	PROFILE MILLING OF EXISTING ASPHALT, 0"-1.5" (8' WIDTH)
V7	PROFILE MILLING OF EXISTING ASPHALT, 0"-2" (8' WIDTH)
Z	FULL DEPTH RECLAMATION - DEPTH OF 12"

NOTES:

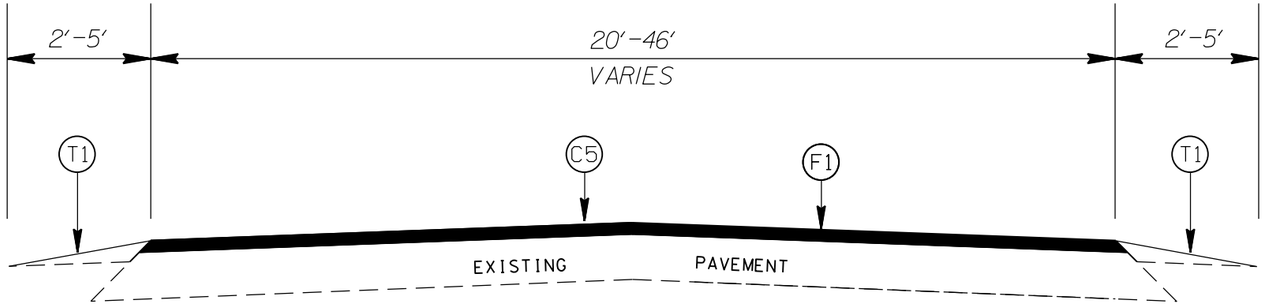
1. LEVELING COURSE TO BE PLACED AS DIRECTED BY THE ENGINEER
2. ON MAP #4, #13, #24 & #25, PLACE AST IMMEDIATELY BEFORE RESURFACING
3. FULL DEPTH RECLAMATION AND AST SHALL BE COMPLETED ON MAP #5 PRIOR TO THE ASPHALT OVERLAY.

CABARRUS COUNTY
RESURFACING 2019-2020

SCALE	-NA-
DATE	10/18
DWG. BY	JWH
DESIGN BY	JWH
APPROVED	

REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.02.10131 2020CPT.10.02.20131 2020CPT.10.02.20132	12	
F.A. PROJECT NO.			

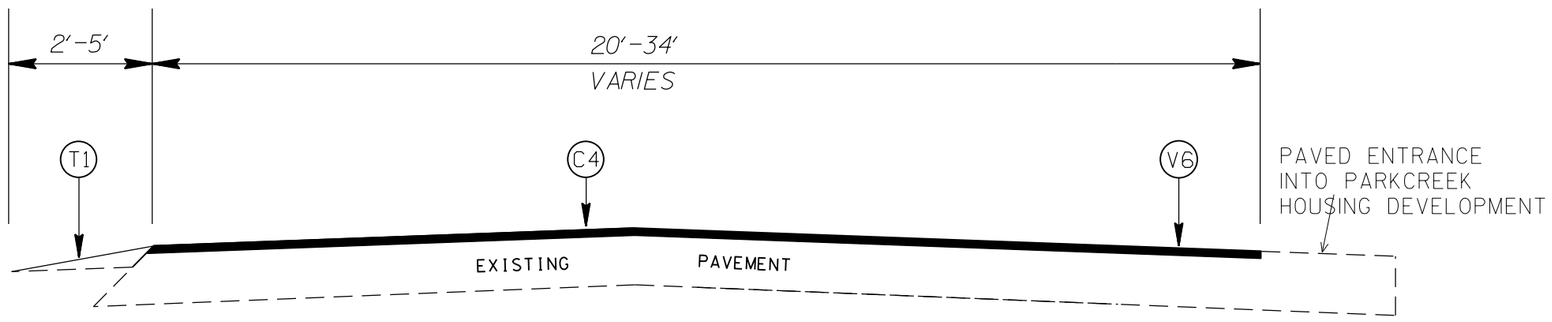


TYPICAL SECTION NO. 16

SR-2154 (LITTLE TEXAS RD)

SR-2630 (COLD SPRINGS RD, SOUTH)

(SEE PROJECT SPECIAL PROVISIONS:
MAP 13 (LITTLE TEXAS RD)-BRIDGE #230- MILL AND FILL 1.5" - NO AST)



TYPICAL SECTION NO. 15

SR-1615 (PLUM RD)

(SEE PROJECT SPECIAL PROVISIONS:
MAP 12 (PLUM RD)-BRIDGE #16- MILL AND FILL 1.5")

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 138 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C4	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C5	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C6	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS
F1	ASPHALT SURFACE TREATMENT, MATCOAT, #67 STONE
F2	ASPHALT SURFACE TREATMENT, MATCOAT, #78M STONE
F3	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
T1	SHOULDER RECONSTRUCTION
V1	MILLING OF EXISTING PAVEMENT, 1.0"
V2	MILLING OF EXISTING PAVEMENT, 1.25"
V3	MILLING OF EXISTING PAVEMENT, 1.5"
V4	MILLING OF EXISTING PAVEMENT, 2.0"
V5	MILLING OF EXISTING PAVEMENT, 3.0"
V6	PROFILE MILLING OF EXISTING ASPHALT, 0"-1.5" (8' WIDTH)
V7	PROFILE MILLING OF EXISTING ASPHALT, 0"-2" (8' WIDTH)
Z	FULL DEPTH RECLAMATION - DEPTH OF 12"

NOTES:

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

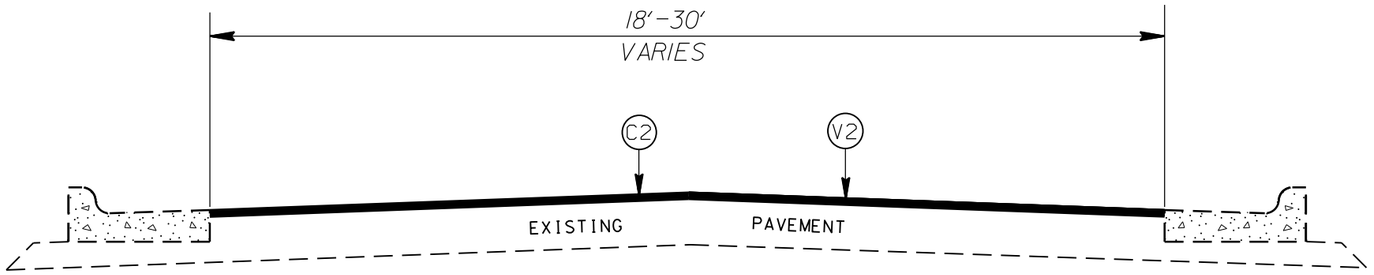
2. ON MAP #4, #13, #24 & #25, PLACE AST IMMEDIATELY BEFORE RESURFACING

3. FULL DEPTH RECLAMATION AND AST SHALL BE COMPLETED ON MAP #5 PRIOR TO THE ASPHALT OVERLAY.

CABARRUS COUNTY
RESURFACING 2019-2020

SCALE	-NA-
DATE	10/18
DWG. BY	JWH
DESIGN BY	JWH
APPROVED	

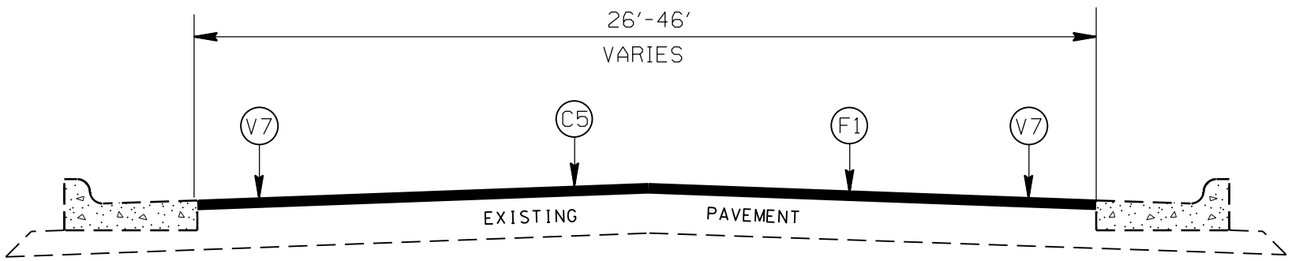
REVISIONS



TYPICAL SECTION NO. 19

SR-2352 (CALLIS COURT) SR-2353 (MYERS LANE)

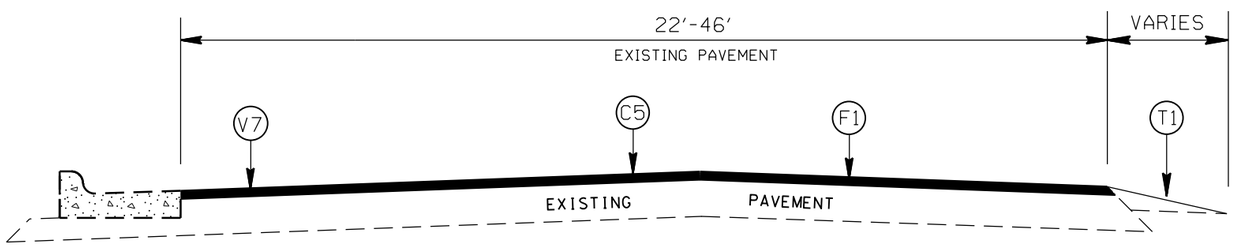
SR-2356 (SNOW DRIVE) SR-2365 (CHERRY'S FORD COURT)



TYPICAL SECTION NO. 18

SR-2154 (LITTLE TEXAS RD)

(SEE PROJECT SPECIAL PROVISIONS:
MAP 13 (LITTLE TEXAS RD)-BRIDGE #230-
MILL AND FILL 1.5" - NO AST)



TYPICAL SECTION NO. 17

SR-2154 (LITTLE TEXAS RD)

(SEE PROJECT SPECIAL PROVISIONS:
MAP 13 (LITTLE TEXAS RD)-BRIDGE #230-
MILL AND FILL 1.5" - NO AST)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.02.10131 2020CPT.10.02.20131 2020CPT.10.02.20132	13	
F.A. PROJECT NO.			

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 138 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C4	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C5	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C6	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS
F1	ASPHALT SURFACE TREATMENT, MATCOAT, #67 STONE
F2	ASPHALT SURFACE TREATMENT, MATCOAT, #78M STONE
F3	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
T1	SHOULDER RECONSTRUCTION
V1	MILLING OF EXISTING PAVEMENT, 1.0"
V2	MILLING OF EXISTING PAVEMENT, 1.25"
V3	MILLING OF EXISTING PAVEMENT, 1.5"
V4	MILLING OF EXISTING PAVEMENT, 2.0"
V5	MILLING OF EXISTING PAVEMENT, 3.0"
V6	PROFILE MILLING OF EXISTING ASPHALT, 0"-1.5" (8' WIDTH)
V7	PROFILE MILLING OF EXISTING ASPHALT, 0"-2" (8' WIDTH)
Z	FULL DEPTH RECLAMATION - DEPTH OF 12"

NOTES:

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

2. ON MAP #4, #13, #24 & #25, PLACE AST IMMEDIATELY BEFORE RESURFACING

3. FULL DEPTH RECLAMATION AND AST SHALL BE COMPLETED ON MAP #5 PRIOR TO THE ASPHALT OVERLAY.

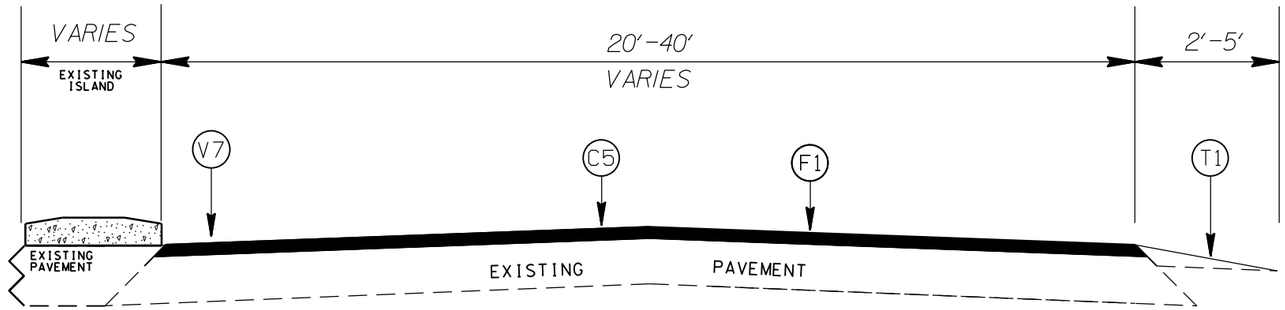
CABARRUS COUNTY
RESURFACING 2019-2020

SCALE	-NA-
DATE	10/18
DWG. BY	JWH
DESIGN BY	JWH
APPROVED	

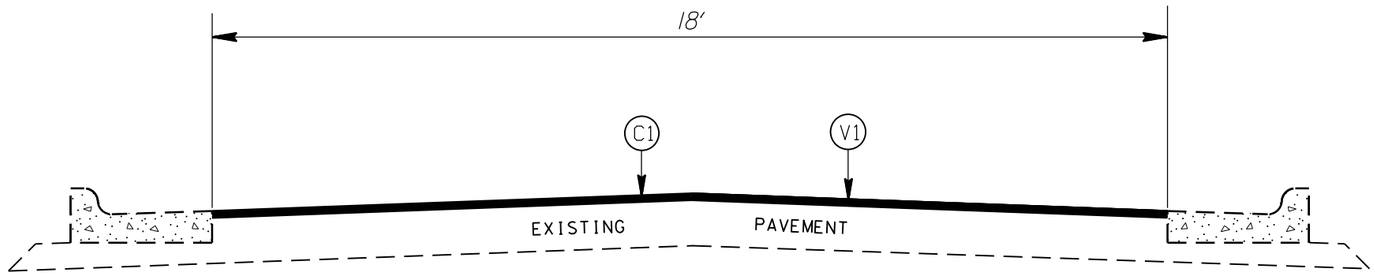
DIVISION OF HIGHWAYS

REVISIONS	

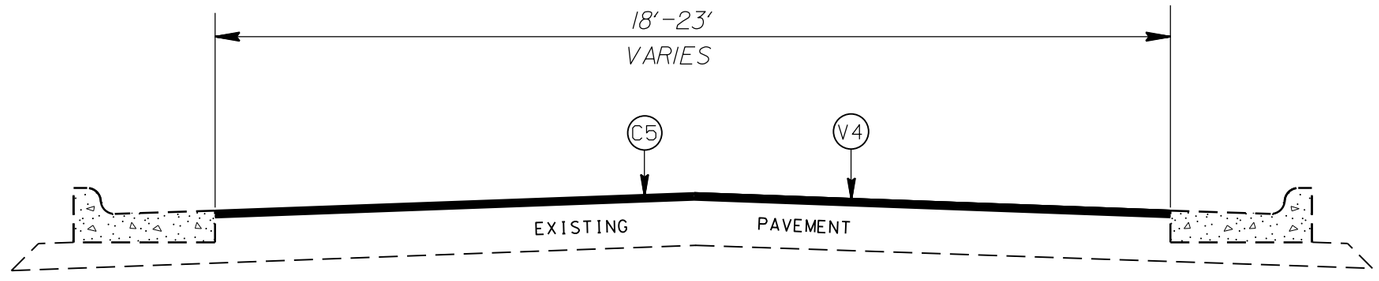
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.02.10131 2020CPT.10.02.20131 2020CPT.10.02.20132	14	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 22
SR-2630 (COLD SPRINGS RD. SOUTH)



TYPICAL SECTION NO. 21
SR-2391 (OLIVER COURT)



TYPICAL SECTION NO. 20
SR-2357 (NARON LANE) SR-2392 (BETH LANE)
SR-2393 (HESTER COURT) SR-2394 (SANGER COURT)

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 138 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C4	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C5	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C6	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS
F1	ASPHALT SURFACE TREATMENT, MATCOAT, #67 STONE
F2	ASPHALT SURFACE TREATMENT, MATCOAT, #78M STONE
F3	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
T1	SHOULDER RECONSTRUCTION
V1	MILLING OF EXISTING PAVEMENT, 1.0"
V2	MILLING OF EXISTING PAVEMENT, 1.25"
V3	MILLING OF EXISTING PAVEMENT, 1.5"
V4	MILLING OF EXISTING PAVEMENT, 2.0"
V5	MILLING OF EXISTING PAVEMENT, 3.0"
V6	PROFILE MILLING OF EXISTING ASPHALT, 0"-1.5" (8' WIDTH)
V7	PROFILE MILLING OF EXISTING ASPHALT, 0"-2" (8' WIDTH)
Z	FULL DEPTH RECLAMATION - DEPTH OF 12"

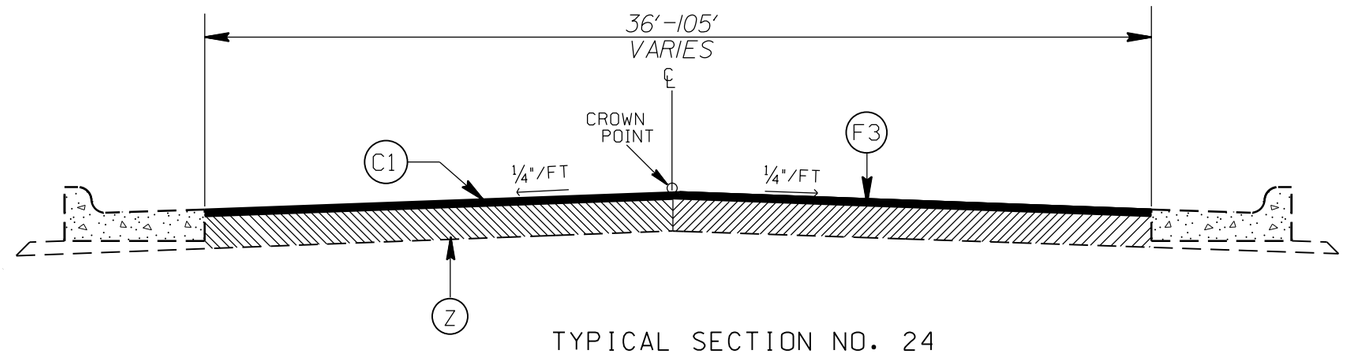
NOTES:

1. LEVELING COURSE TO BE PLACED AS DIRECTED BY THE ENGINEER
2. ON MAP #4, #13, #24 & #25, PLACE AST IMMEDIATELY BEFORE RESURFACING
3. FULL DEPTH RECLAMATION AND AST SHALL BE COMPLETED ON MAP #5 PRIOR TO THE ASPHALT OVERLAY.

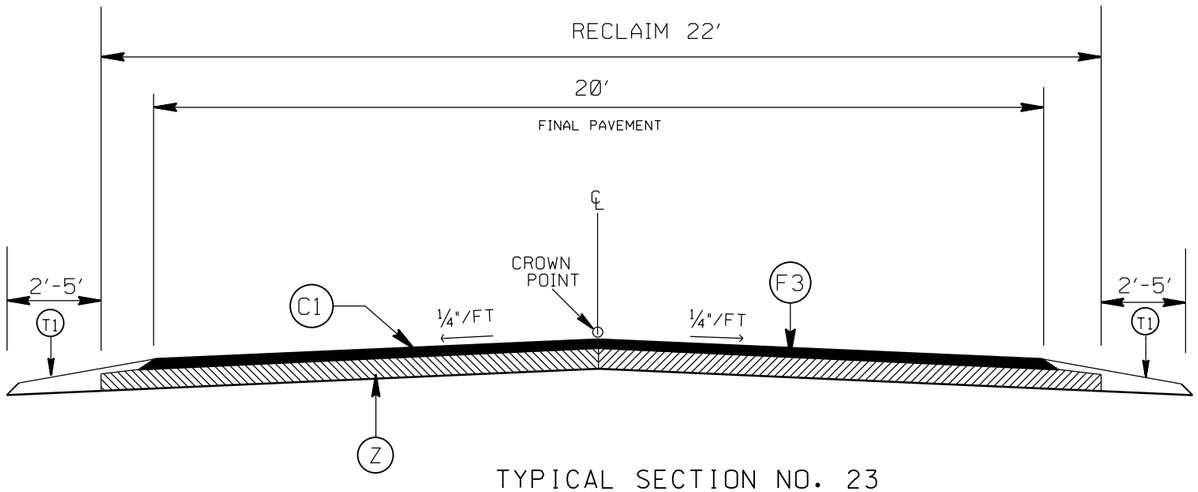
CABARRUS COUNTY
RESURFACING 2019-2020

SCALE	-NA-
DATE	10/18
DWG. BY	JWH
DESIGN BY	JWH
APPROVED	

REVISIONS	



TYPICAL SECTION NO. 24
SR-1123 (JIM SOSSOMAN RD)



TYPICAL SECTION NO. 23
SR-1123 (JIM SOSSOMAN RD)

NOTE: FULL DEPTH RECLAMATION AND AST SHALL BE COMPLETED ON MAP #5 (JIM SOSSOMAN RD) PRIOR TO THE ASPHALT OVERLAY.

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.02.10131 2020CPT.10.02.20131 2020CPT.10.02.20132	15	
F.A. PROJECT NO.			

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 138 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C4	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C5	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C6	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS
F1	ASPHALT SURFACE TREATMENT, MATCOAT, #67 STONE
F2	ASPHALT SURFACE TREATMENT, MATCOAT, #78M STONE
F3	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
T1	SHOULDER RECONSTRUCTION
V1	MILLING OF EXISTING PAVEMENT, 1.0"
V2	MILLING OF EXISTING PAVEMENT, 1.25"
V3	MILLING OF EXISTING PAVEMENT, 1.5"
V4	MILLING OF EXISTING PAVEMENT, 2.0"
V5	MILLING OF EXISTING PAVEMENT, 3.0"
V6	PROFILE MILLING OF EXISTING ASPHALT, 0"-1.5" (8' WIDTH)
V7	PROFILE MILLING OF EXISTING ASPHALT, 0"-2" (8' WIDTH)
Z	FULL DEPTH RECLAMATION - DEPTH OF 12"

NOTES:

1. LEVELING COURSE TO BE PLACED AS DIRECTED BY THE ENGINEER
2. ON MAP #4, #13, #24 & #25, PLACE AST IMMEDIATELY BEFORE RESURFACING
3. FULL DEPTH RECLAMATION AND AST SHALL BE COMPLETED ON MAP #5 PRIOR TO THE ASPHALT OVERLAY.

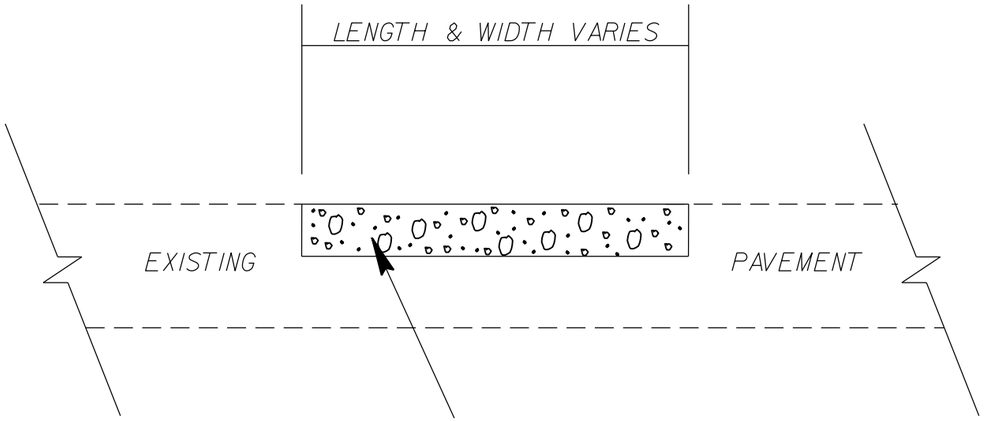
CABARRUS COUNTY
RESURFACING 2019-2020

SCALE	-NA-
DATE	10/18
DWG. BY	JWH
DESIGN BY	JWH
APPROVED	

REVISIONS

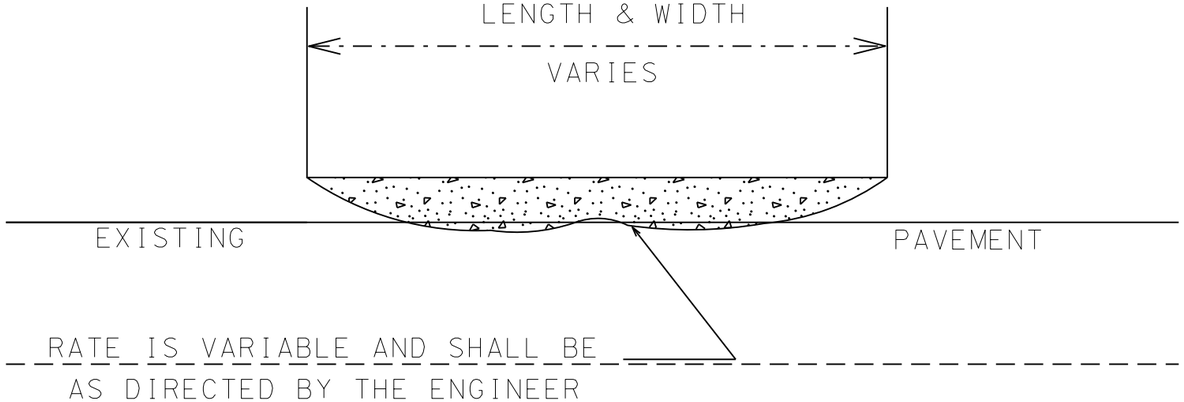
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.02.10131 2020CPT.10.02.20131 2020CPT.10.02.20132	16	
F.A. PROJECT NO.			

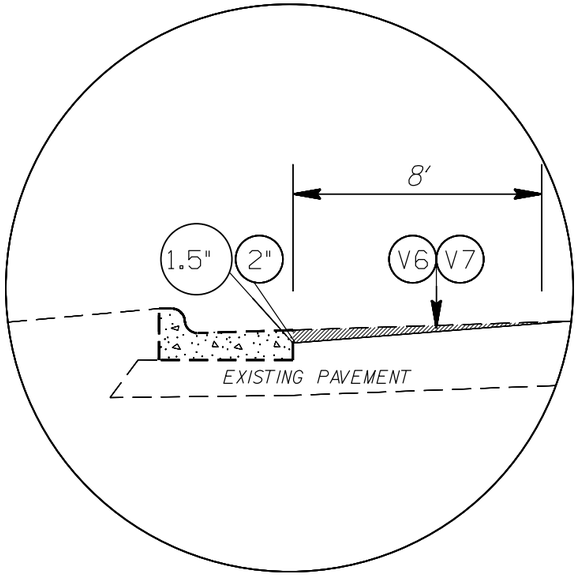
PATCHING DETAIL



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)





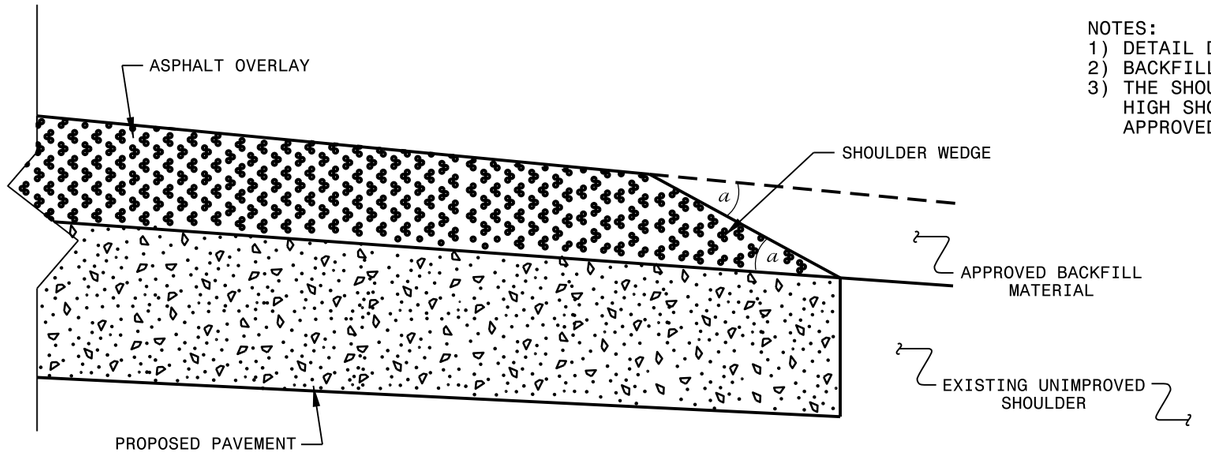
DETAIL FOR PROFILE MILLING (0" TO 1.5")
DETAIL FOR PROFILE MILLING (0" TO 2")

PATCHING, LEVELING, PROFILE MILLING DETAILS

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

REVISIONS	

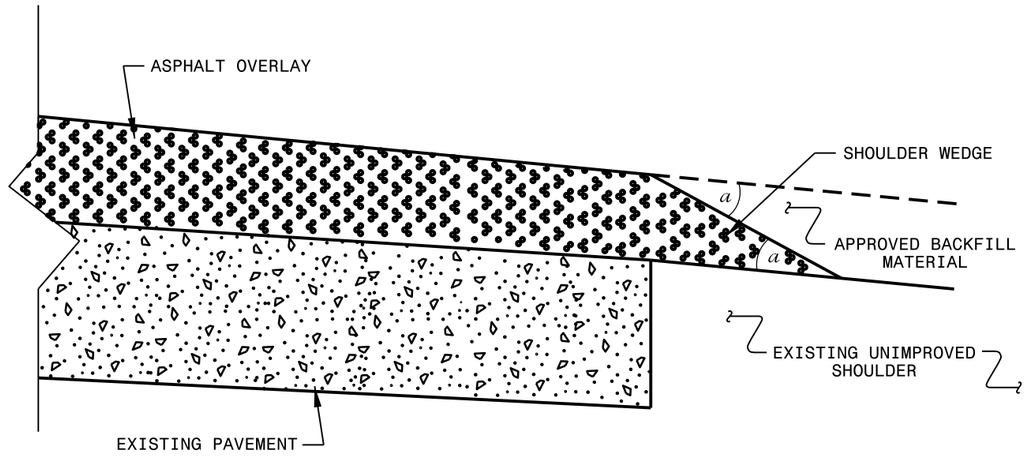
PROJECT REFERENCE NO.	SHEET NO.
2020CPT.10.02.10131, etc	17



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.

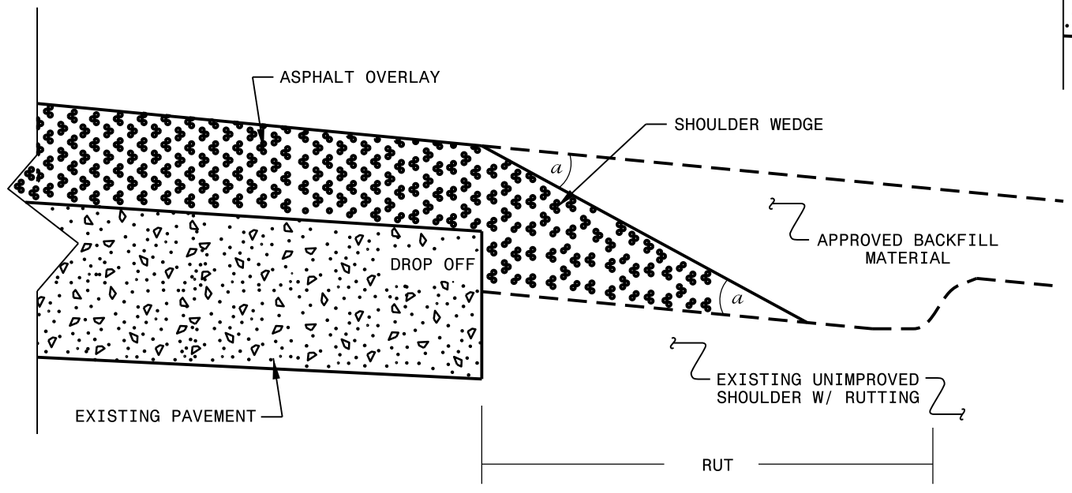
SHOULDER WEDGE DETAIL

(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.: zsusr/details/stand/shoulderwedgedetail.dgn

22-JAN-2018 09:41
S:\Contracts\Contracts\Resurfacing Projects\Division 4\I-5937 Wilson March 2018\Revised Shoulder Wedge Detail.dgn
pporter AI CSD-29252

PROJECT NO.	SHEET NO.	TOTAL NO.
2020CPT.10.02.10131, etc	18	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	FINAL SURFACE TESTING REQD	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	BORROW	FULL DEPTH RECLAMATION	PORTLAND CEMENT FOR SOIL CEMENT BASE	INC. STONE BASE	SH. RECON	1½" MILLING	3" MILLING	1.25" MILLING	2.0" MILLING	1" MILLING	0.0" TO 1.5" MILLING	0.0" TO 2.0" MILLING	INC. MILLING	S9.5B	LEVELING S9.5B	S9.5C	LEVELING S9.5C	ASPH. BINDER FOR PLANT MIX	PATCHING EXI. PAVEMENT	AST, MATCOAT, #78M STONE	AST, MATCOAT, #67 STONE	AST, DOUBLE SEAL	EMULSION FOR AST	RETROFIT EXI. CURB RAMP	6" DRIVE WAYS	ADJ. OF MANHOLES	ADJ. OF METER OR VALVE BOXES	PORTABLE LIGHTING	TEMP. SILT FENCE	WATTLE	PAM
									MI	FT	CY	SY	TON	TONS	SMI	SY	SY	SY	SY	SY	SY	SY	SY	TONS	TONS	TONS	TONS	TONS	TONS	SY	SY	SY	GAL	EA	SY	EA	EA	LS	LF	LF	LB
2020CPT.10.02.10	Cabarrus	1	NC 3	FROM SR 1601 (ODELL SCHOOL ROAD) (MP 18.87) TO IREDELL COUNTY LINE (MP 20.35)	1	2	NO	NO	1.482	23	150			140	3.16	23,000								2,150					144	575						126			*		240	1
		2	NC 3-DALE EARNHARDT BLVD	FROM SR 1008 (SOUTH MAIN STREET) (MP 10.11) TO WEST G STREET (MP 10.41)	2	4	NO	NO	0.307	54							11,000								2,000		120	110							1	1	*			
		3	NC 73	FROM SR 2408 (GOLD HILL RD) (MP 13.09) TO SR 2411 (IRISH POTATO RD) (MP 15.4)	3, 4, 5, 6	2	NO	NO	2.306	24	200			105	4.62	550						550		2,500	3,500	500			268	1,040						180	1	2			250	1
TOTAL FOR PROJ NO. 2020CPT.10.02.10131									**4.095**		**350**			**245**	**7.78**	**23,550**	**11,000**				**550**		**2,500**	**5,650**	**500**	**2,000**		**532**	**1,725**						**306**	**2**	**3**	**1**		**490**	**2**
2020CPT.10.02.20131	Cabarrus	4	SR 1006 - MT PLEASANT ROAD	FROM NC 49 (MP 6.78) TO SR 2416 (MT. OLIVE RD) (MP 4.77)	7, 8	2	NO	NO	2	22	200			225	3.62						1,800		525			2,850	200	184	900	28,900			7,225		162	4	1			300	1
		5	SR 1123 - JIM SOSSOMAN ROAD	FROM NC 24/27 (MP 2.81) TO SR 1125 (BETHEL CHURCH ROAD)(MP 3.22)	23, 24	2	NO	NO	0.41	20	50			35	0.82									450				30							36					62	1
		6	SR 1147 - FLOWES STORE ROAD EAST	FROM SR 1132 (FLOWES STORE ROAD) (MP 0.0) TO SR 1146 (JOHN WHITE ROAD) (MP 1.08)	9	2	NO	NO	1.087	20	75			38	2.17				12,775					1,000	100			74	400						20					165	1
		7	SR 1166 - ROBINSON CHURCH RD	FROM NC 49 (MP 0.0) TO RAILROAD (MP 0.40)	10, 11,	2	NO	NO	0.376	22	35			5	0.65	6,350										625		38	130						36	2	2			56	1
		8	SR 1293 - MEETING STREET	FROM SR 1292 (BOSTWOOD LANE) (MP 0.0) TO SR 1292 (BOSTWOOD LANE) (MP 0.38)	13	2	NO	NO	0.38	18	40			95	0.76								200	375	50			28	100						54	5	1				
		9	SR 1294 - CLARA CIRCLE	FROM SR 1292 (BOSTWOOD LANE) (MP 0.0) TO SR 1292 (BOSTWOOD LANE) (MP 0.57)	13	2	NO	NO	0.564	19	60			120	1.13								325	550	50			40	150						90	9	1				
		10	SR 1442 - WINDY ROAD	FROM NC 3 (MP 0.0) TO SR 1601 (ODELL SCHOOL ROAD) (MP 1.51)	14	2	NO	NO	1.51	23	150			70	3.02								625			1,825	300	129	700						180					230	1
		11	SR 1564 - POKEBERRY TRAIL	FROM SR 1394 (POPLAR TENT ROAD) (MP 0.0) TO SR 1565 (BLACKBERRY TRAIL) (MP 0.25)	13	2	NO	NO	0.246	20	30				0.50								175	325	40			24	75						270						
		12	SR 1615 - PLUM ROAD	FROM SR 1616 (TUCKASEEGEE ROAD) (MP 1.27) TO SR 1614 (ALEXANDER ROAD) (MP 0.0)	14, 15	2	NO	NO	1.27	23	125			45	2.48	140						130		750			1,675	200	114	400											190	1
		13	SR 2154 - LITTLE TEXAS ROAD (N AND S)	FROM NC 3 (MP 2.03) TO SR 2000 (BRANTLEY ROAD) (MP 0.0)	16, 17, 18	2	NO	NO	2.03	23	200			170	3.41	250							3,100	480			4,200	250	268	925		32,200		11,270	10	576	18	18		300	160	1
		14	SR 2352 - CALLIS COURT	FROM DEAD END (MP 0.0) TO CUL-DE-SAC (MP 0.184)	19	2	NO	NO	0.184	18								2,475						250			17	46							3					
		15	SR 2353 - MYERS LANE	FROM SR 2350 (MILLEN DRIVE) (MP 0.14) TO CUL-DE-SAC (MP 0.0)	19	2	NO	NO	0.143	18								1,780						180			12	40							4					
		16	SR 2356 - SNOW DRIVE	FROM SR 2350 (MILLEN DRIVE) (MP 0.0) TO CUL-DE-SAC (MP 0.75)	19	2	NO	NO	0.75	30								13,450						1,200			80	200							4					
		17	SR 2357 - NARON LANE	FROM SR 2356 (SNOW DRIVE) (MP 0.0) TO CUL-DE-SAC (MP 0.14)	20	2	NO	NO	0.142	23									2,150							300		18	35							3					
		18	SR 2365 - CHERRY'S FORD COURT	FROM CUL-DE-SAC (MP 0.24) TO CUL-DE-SAC (MP 0.0)	19	2	NO	NO	0.244	18								3,225						275			18	65							4					
		19	SR 2391 - OLIVER COURT	FROM SR 2356 (SNOW DRIVE) (MP 0.0) TO CUL-DE-SAC (MP 0.05)	21	2	NO	NO	0.05	18										815				80			5	20							2					
		20	SR 2392 - BETH LANE	FROM SR 2357 (NARON LANE) (MP 0.0) TO CUL-DE-SAC (MP 0.14)	20	2	NO	NO	0.14	18									1,750							250		15	35							3					
		21	SR 2393 - HESTER COURT	FROM SR 2392 (BETH LANE) (MP 0.0) TO CUL-DE-SAC (MP 0.06)	20	2	NO	NO	0.061	18									925							150		9	20							3					
		22	SR 2394 - SANGER COURT	FROM SR 2356 (SNOW DRIVE) (MP 0.0) TO CUL-DE-SAC (MP 0.13)	20	2	NO	NO	0.13	18									1,680							250		15	35							3					
		23	SR 2506 - OLD FARM ROAD	FROM SR 2635 (OLD AIRPORT ROAD) (MP 0.0) TO SR 2636 (HEGLAR ROAD) (MP 0.49)	13	2	NO	NO	0.49	20	50			15	0.98								200	480	50			36	125						234	2	1				
		24	SR 2630 - COLD SPRINGS ROAD, SOUTH	FROM SR 1132 (MIAMI CHURCH ROAD) (MP 2.18) TO US 601 (MP 3.83)	16, 22	2	NO	NO	1.605	20	200			115	3.30								265	350			2,600		156	740		20,426		7,150		180				240	1
		25	SR 2640 - HESS ROAD	FROM SR 2411 (COLD SPRINGS ROAD) (MP 1.20) TO SR 2635 (OLD AIRPORT ROAD) (MP 0.0)	7	2	NO	NO	1.2	20	100			150	2.38								340			1,400		84	540	14,261			3,566		378					180	1
		26	SR 2811 - ALTACREST DRIVE	FROM SR 1445 (DERITA ROAD) (MP 0.0) TO CUL-DE-SAC (MP 0.45)	14	2	NO	NO	0.455	20	50			10	0.91								60			575	50	38	210						342						
		27	SR 2812 - ASPEN WAY	FROM SR 2811 (ALTACREST DRIVE) (MP 0.0) TO CUL-DE-SAC (MP 0.15)	14	2	NO	NO	0.146	20	20				0.29								70			200	20	13	51						72						
TOTAL FOR PROJ NO. 2020CPT.10.02.20131									**15.613**		**1,385**			**1,093**	**26.42**	**6,740**		**33,705**	**6,505**	**815**	**1,930**	**3,365**	**4,100**	**5,165**	**290**	**16,900**	**1,020**	**1,445**	**5,942**	**43,161**	**52,626**		**29,211**	**10**	**2,630**	**60**	**24**	**1**	**300**	**1,583**	**9**
2020CPT.10.02.20132	Cabarrus	5	SR 1123 - JIM SOSSOMAN ROAD	FROM NC 24/27 (MP 2.81) TO SR 1125 (BETHEL CHURCH ROAD) (MP 3.22)	23, 24	2	NO	NO	0.41	20		5,300	175																		5,300	2,915							
TOTAL FOR PROJ NO. 2020CPT.10.02.20132									**0.41**			**5,300**	**175**																		**5,300**	**2,915**							
GRAND TOTAL									**20.118**		**1,735**	**5,300**	**175**	**1,338**	**34.20**	**30,290**	**11,000**	**33,705**	**6,505**	**815**	**2,480**	**3,365**	**6,600**	**10,815**	**790**	**18,900**	**1,020**	**1,977**	**7,667**	**43,161**	**52,626**	**5,300**	**32,126**	**10**	**2,936**	**62**	**27**	**1**	**300**	**2,073**	**11**

PROJECT NO.	SHEET NO.	TOTAL NO.
2020CPT.10.02.10131, etc	19	

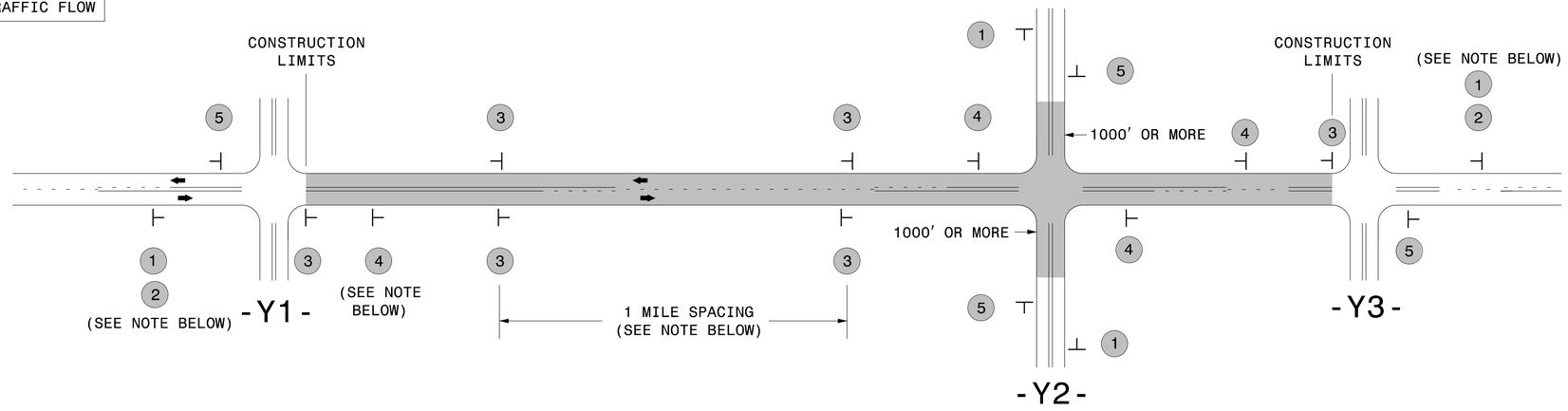
THERMOPLASTIC AND PAINT QUANTITIES

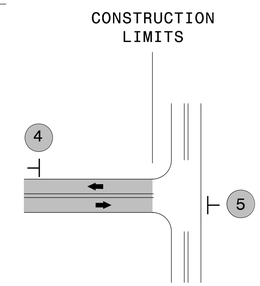
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LA NE S	LENGTH	WI DT H	4413000(WZ ADV./ GEN. WARN. SIGNING	4457000(TEMP. TRAFFI C CONTR OL	45100(LAW ENFO RCEM ENT	4810000000-E 4" YELLOW PAINT	4" WHITE PAINT	4820000000-E 8" WHIT E PAINT	8" YELLO W PAINT	48250 12" YELL OW PAIN T	48350000 24" WHITE PAINT	4840000000-N PAIN T MSG STOP	PAINT MSG SCHO OL	PAIN T MSG AHEA D	4845000000-N PAI NT LT ARR OW	PAIN T RT ARR OW	PAIN T STR ARRO W	PAIN T STR & RT ARRO W
							MI	FT	SF	LS	HR	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA
2020CPT	Cabarrus	1	NC 3	FROM SR 1601 (ODELL SCHOOL ROAD) (MP 18.87) TO IREDELL COUNTY LINE (MP 20.35)	1	2	1.482	23		*		30,000	35,000				60	4							
		2	NC 3-DALE EARNHARDT BLVD	FROM SR 1008 (SOUTH MAIN STREET) (MP 10.11) TO WEST G STREET (MP 10.41)	2	4	0.307	54			40	6,300	3,000	650			150				14	1	2	2
		3	NC 73	FROM SR 2408 (GOLD HILL RD) (MP 13.09) TO SR 2411 (IRISH POTATO RD) (MP 15.4)	3, 4,	2	2.306	24	260		80	26,750	28,500			375	175				7	2		
TOTAL FOR PROJ NO. 2020CPT.10.02.10131							**4.095**		**260**		**120**	**63,050**	**66,500**	**650**		**375**	**385**	**4**			**21**	**3**	**2**	**2**
												129,550		**650**				**4**			**28**			
2020CPT.10.02.20131	Cabarrus	4	SR 1006 - MT PLEASANT ROAD	FROM NC 49 (MP 6.78) TO SR 2416 (MT. OLIVE RD) (MP 4.77)	7, 8	2	2	22	224		40	20,500	21,350				625		12		2			
		5	SR 1123 - JIM SOSSOMAN ROAD	FROM NC 24/27 (MP 2.81) TO SR 1125 (BETHEL CHURCH ROAD)(MP 3.22)	23,	2	0.41	20	112			13,000	13,000				60							
		6	SR 1147 - FLOWES STORE ROAD EAST	FROM SR 1132 (FLOWES STORE ROAD) (MP 0.0) TO SR 1146 (JOHN WHITE ROAD) (MP 1.08)	9	2	1.087	20				23,000	23,000											
		7	SR 1166 - ROBINSON CHURCH RD	FROM NC 49 (MP 0.0) TO RAILROAD (MP 0.40)	10,	2	0.376	22			40	8,575	8,400	190	60		160				3	1	1	
		8	SR 1293 - MEETING STREET	FROM SR 1292 (BOSTWOOD LANE) (MP 0.0) TO SR 1292 (BOSTWOOD LANE) (MP 0.38)	13	2	0.38	18																
		9	SR 1294 - CLARA CIRCLE	FROM SR 1292 (BOSTWOOD LANE) (MP 0.0) TO SR 1292 (BOSTWOOD LANE) (MP 0.57)	13	2	0.564	19																
		10	SR 1442 - WINDY ROAD	FROM NC 3 (MP 0.0) TO SR 1601 (ODELL SCHOOL ROAD) (MP 1.51)	14	2	1.51	23				14,000	16,248											
		11	SR 1564 - POKEBERRY TRAIL	FROM SR 1394 (POPLAR TENT ROAD) (MP 0.0) TO SR 1565 (BLACKBERRY TRAIL) (MP 0.25)	13	2	0.246	20																
		12	SR 1615 - PLUM ROAD	FROM SR 1616 (TUCKASEEGEE ROAD) (MP 1.27) TO SR 1614 (ALEXANDER ROAD) (MP 0.0)	14, 15	2	1.27	23				25,500	27,000											
		13	SR 2154 - LITTLE TEXAS ROAD (N AND S)	FROM NC 3 (MP 2.03) TO SR 2000 (BRANTLEY ROAD) (MP 0.0)	16,	2	2.03	23	228		40	25,100	21,600	130	230		380	8	12	5	8			2
		14	SR 2352 - CALLIS COURT	FROM DEAD END (MP 0.0) TO CUL-DE-SAC (MP 0.184)	19	2	0.184	18																
		15	SR 2353 - MYERS LANE	FROM SR 2350 (MILLEN DRIVE) (MP 0.14) TO CUL-DE-SAC (MP 0.0)	19	2	0.143	18		*														
		16	SR 2356 - SNOW DRIVE	FROM SR 2350 (MILLEN DRIVE) (MP 0.0) TO CUL-DE-SAC (MP 0.75)	19	2	0.75	30																
		17	SR 2357 - NARON LANE	FROM SR 2356 (SNOW DRIVE) (MP 0.0) TO CUL-DE-SAC (MP 0.14)	20	2	0.142	23																
		18	SR 2365 - CHERRY'S FORD COURT	FROM CUL-DE-SAC (MP 0.24) TO CUL-DE-SAC (MP 0.0)	19	2	0.244	18																
		19	SR 2391 - OLIVER COURT	FROM SR 2356 (SNOW DRIVE) (MP 0.0) TO CUL-DE-SAC (MP 0.05)	21	2	0.05	18																
		20	SR 2392 - BETH LANE	FROM SR 2357 (NARON LANE) (MP 0.0) TO CUL-DE-SAC (MP 0.14)	20	2	0.14	18																
		21	SR 2393 - HESTER COURT	FROM SR 2392 (BETH LANE) (MP 0.0) TO CUL-DE-SAC (MP 0.06)	20	2	0.061	18																
		22	SR 2394 - SANGER COURT	FROM SR 2356 (SNOW DRIVE) (MP 0.0) TO CUL-DE-SAC (MP 0.13)	20	2	0.13	18																
		23	SR 2506 - OLD FARM ROAD	FROM SR 2635 (OLD AIRPORT ROAD) (MP 0.0) TO SR 2636 (HEGLAR ROAD) (MP 0.49)	13	2	0.49	20																
		24	SR 2630 - COLD SPRINGS ROAD, SOUTH	FROM SR 1132 (MIAMI CHURCH ROAD) (MP 2.18) TO US 601 (MP 3.83)	16,	2	1.605	20				30,500	34,850				55	8		5				
		25	SR 2640 - HESS ROAD	FROM SR 2411 (COLD SPRINGS ROAD) (MP 1.20) TO SR 2635 (OLD AIRPORT ROAD) (MP 0.0)	7	2	1.2	20				12,000	12,800											
		26	SR 2811 - ALTACREST DRIVE	FROM SR 1445 (DERITA ROAD) (MP 0.0) TO CUL-DE-SAC (MP 0.45)	14	2	0.455	20																
		27	SR 2812 - ASPEN WAY	FROM SR 2811 (ALTACREST DRIVE) (MP 0.0) TO CUL-DE-SAC (MP 0.15)	14	2	0.146	20																
TOTAL FOR PROJ NO. 2020CPT.10.02.20131							**15.613**		**564**		**120**	**172,175**	**178,248**	**320**	**290**		**1,280**	**16**	**24**	**10**	**13**	**1**	**1**	**2**
												350,423		**610**				**50**			**17**			
20	Ca	5	SR 1123 - JIM SOSSOMAN ROAD	FROM NC 24/27 (MP 2.81) TO SR 1125 (BETHEL CHURCH ROAD) (MP 3.22)	23,	2	0.41	20		*														
TOTAL FOR PROJ NO. 2020CPT.10.02.20132							**0.41**																	
GRAND TOTAL							**20.118**		**824**	**1**	**240**	**235,225**	**244,748**	**970**	**290**	**375**	**1,665**	**20**	**24**	**10**	**34**	**4**	**3**	**4**
												479,973		**1,260**				**54**			**45**			

PROJ. REFERENCE NO.	SHEET NO.
2020CPT.10.02.10131, etc	TMP-1

SIGNING FOR RESURFACING PROJECTS

LEGEND
- ⊢ STATIONARY SIGN
- ⬅ DIRECTION OF TRAFFIC FLOW





TEE INTERSECTION

MAINLINE (-L-) SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION

1 — ROAD WORK AHEAD — W20-1, 48″ X 48″

2 — NEXT XX MILES — W7-3aP, 24″ X 18″

PLACE 1000′ PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000′ ALONG -Y- LINE.

#2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER.(NO FRACTIONAL OR DECIMAL NUMBERS)

3 — LOWSOFT SHOULDER — SP 13107, 48″ X 48″

- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER.
- AT TEE INTERSECTIONS INSTALL INITIALLY ½ MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.

4 — ROAD UNDER CONST — SP 13106, 48″ X 48″

- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS.
- DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS.
- INSTALL 500′ +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE.
- FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500′ OF EACH APPROACH.
- A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.
- FOR TEE INTERSECTIONS, INSTALL WITHIN 500′ +/- OF THE INTERSECTION ALONG -L- LINE.

5 — END ROAD WORK — 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.

-Y- LINE SIGNING

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.

ROAD WORK AHEAD — W20-1, 48″ X 48″
PLACED 500′ IN ADVANCE OF FLAGGER.

W20-7 A, 48″ X 48″
PLACED 250′ IN ADVANCE OF FLAGGER.

DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

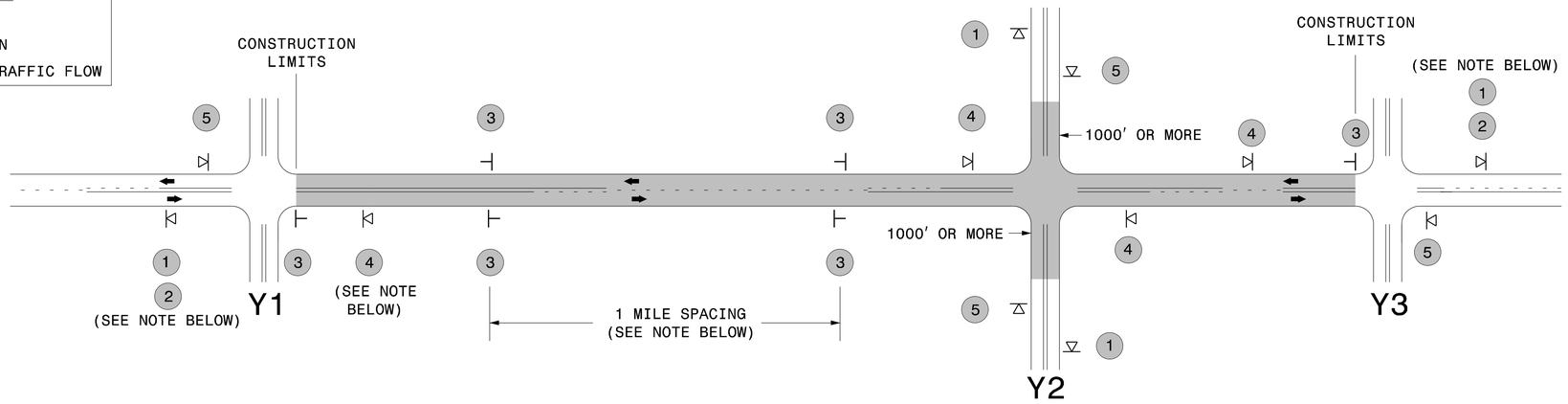
ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

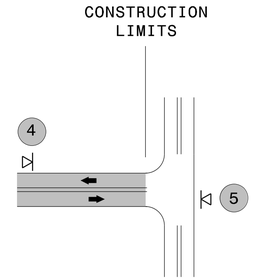
5/15/2017
SATMU\WZTC\Resurfacing\2L2W & AST Resurfacing Details\Resurfacing_AdvWarn_2Ln.dgn
User:keddis

PROJ. REFERENCE NO.	SHEET NO.
2020CPT.10.02.10131, etc	TMP-2

SIGNING FOR ASPHALT SURFACE TREATMENT

LEGEND
- PORTABLE SIGN
- STATIONARY SIGN
- DIRECTION OF TRAFFIC FLOW





TEE INTERSECTION

MAINLINE (-L-) SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION

1 — ROAD WORK AHEAD, W20-1, 48″ X 48″
2 — NEXT XX MILES, W7-3aP, 24″ X 18″
- PLACE 1000′ PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000′ ALONG -Y- LINE.
- SIGN #2 ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO THE NEAREST WHOLE NUMBER. DO NOT USE FRACTIONAL OR DECIMAL NUMBERS.

3 — LOOSE GRAVEL, W8-7, 48″ X 48″; UNMARKED PAVEMENT, SP, 48″ X 48″
- ALTERNATE THE FOLLOWING TWO SIGNS:
- STARTING WITH "LOOSE GRAVEL" (W8-7) FOLLOWED BY "UNMARKED PAVEMENT".
- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER.
- AT TEE INTERSECTIONS INSTALL INITIALLY 0.5 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.

4 — ROAD UNDER CONST, SP 13106, 48″ X 48″
- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS.
- INSTALL 500′ +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE.
- FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500′ OF EACH APPROACH.
- A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.

5 — END ROAD WORK, 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 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.

-Y- LINE SIGNING

STATIONARY SIGNING NOT REQUIRED 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 SHALLE BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.

ROAD WORK AHEAD, W20-1, 48″ X 48″ — PLACED 500′ IN ADVANCE OF FLAGGER.

W20-7 A, 48″ X 48″ — PLACED 250′ IN ADVANCE OF FLAGGER.

DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

ADVANCE WARNING SIGNS FOR 2-LANE ROADWAY ASPHALT SURFACE TREATMENT

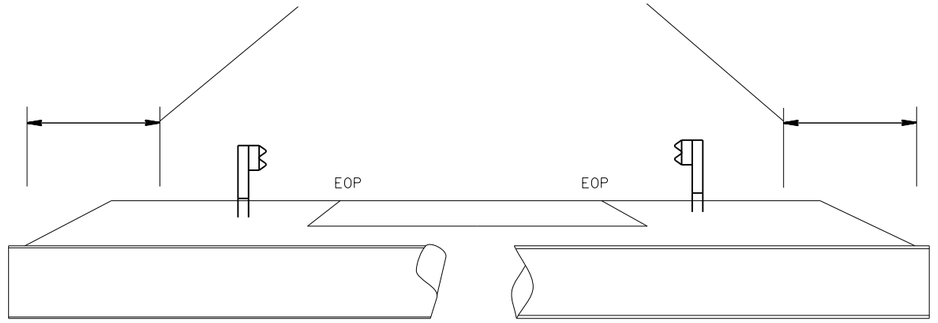
5/12/2017
S:\TMD_WZTC\Resurfacing\2L2W & AST Resurfacing Details\Resurfacing_AdvWarn_2Ln - AST.dgn
User:kedols

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.02.10131 2020CPT.10.02.20131 2020CPT.10.02.20132	EC-1	
F.A. PROJECT NO.			

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

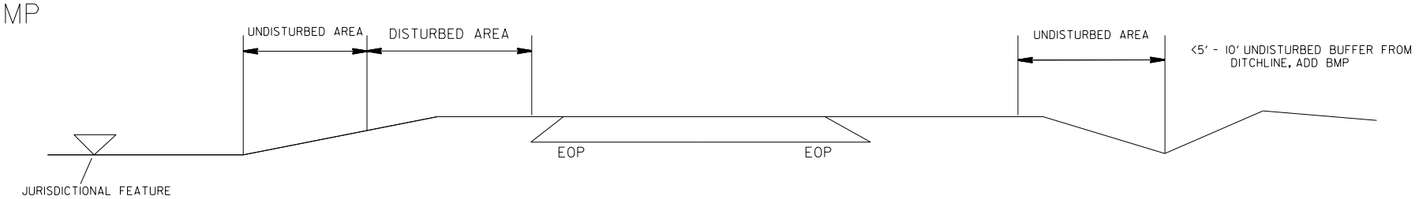
BMP OPTIONS: WATTLE OR SILT FENCE

<5' - 10' UNDISTURBED BUFFER ADD BMP

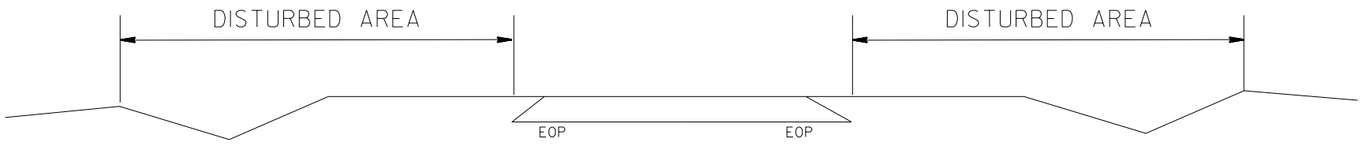


PIPE/CULVERT

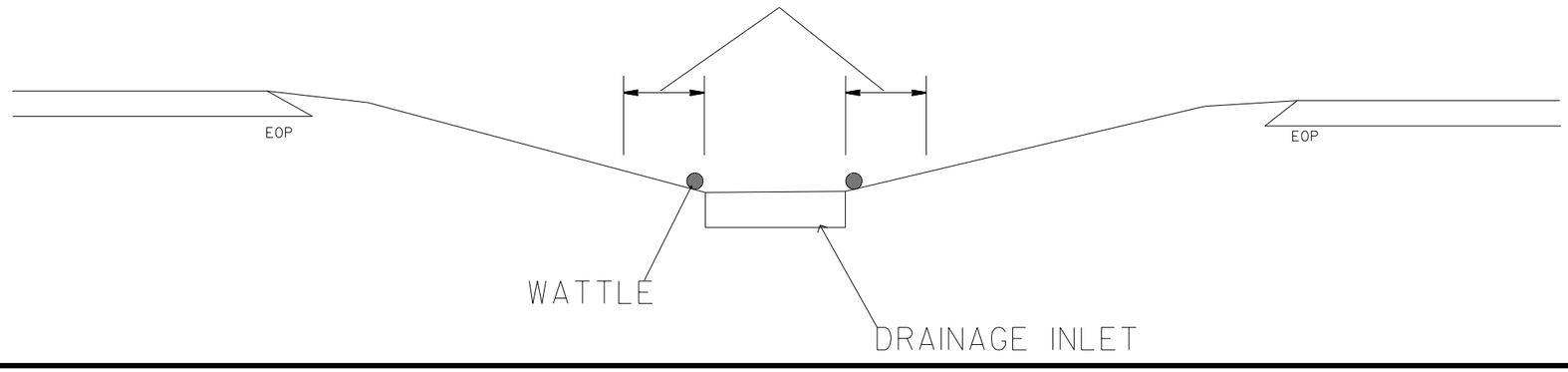
<5' - 10' UNDISTURBED BUFFER FROM JURISDICTIONAL FEATURE ADD BMP



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



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

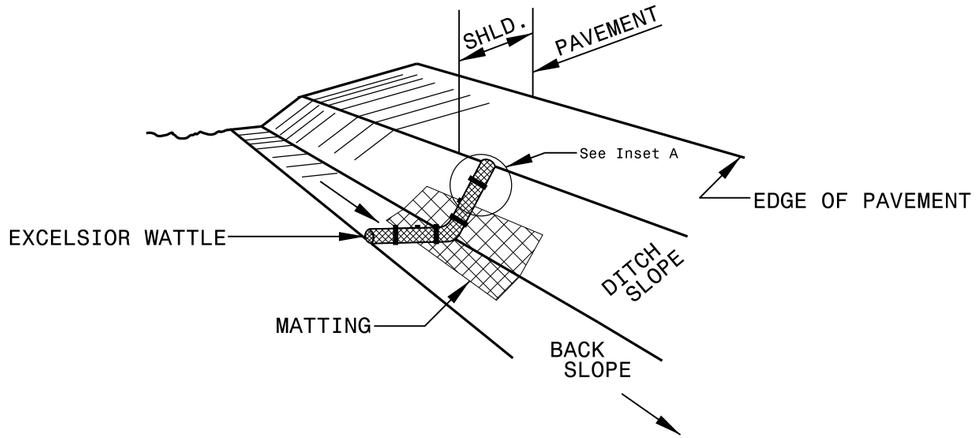


EROSION CONTROL DETAIL

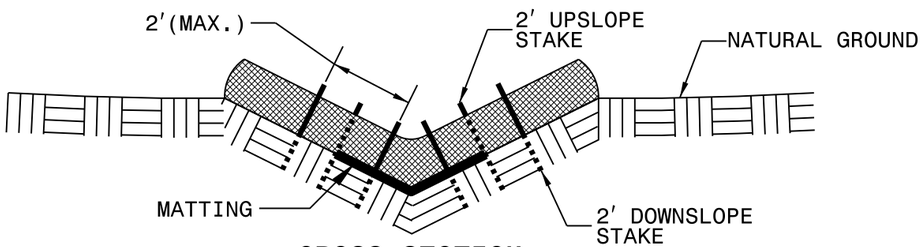
		REVISIONS	
SCALE	-NA-		
DATE	2/18		
DWG. BY	JAB		
DESIGN BY	JAB		
APPROVED	JAB		

PROJECT REFERENCE NO.	SHEET NO.
2020CPT.10.02.10131, etc	EC-2

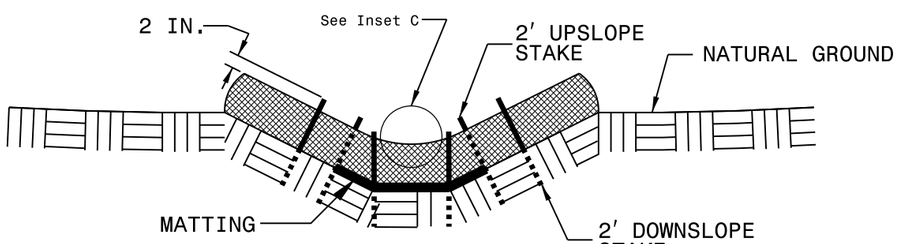
WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL



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.

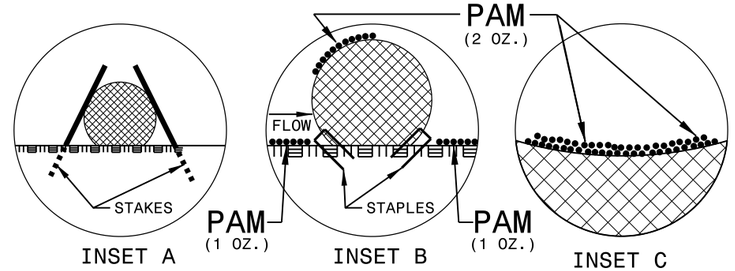
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12″ IN LENGTH.

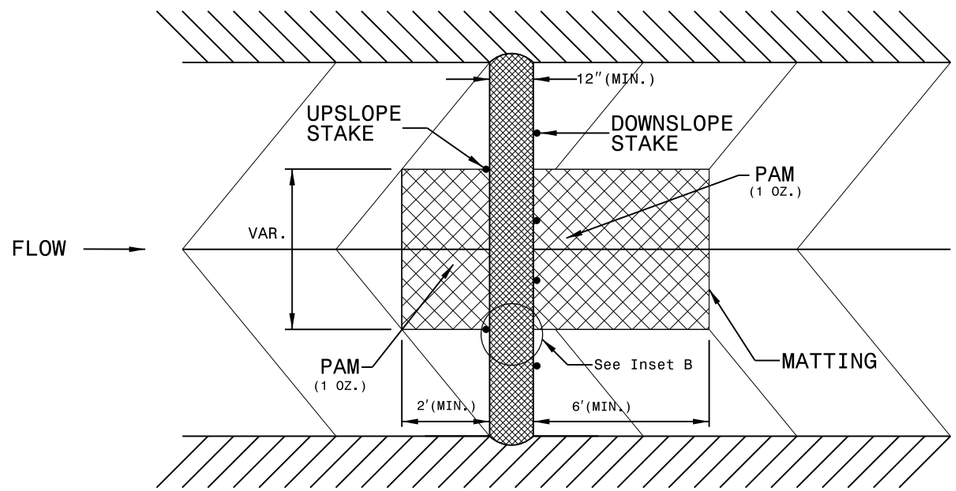
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

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 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.





TOP VIEW