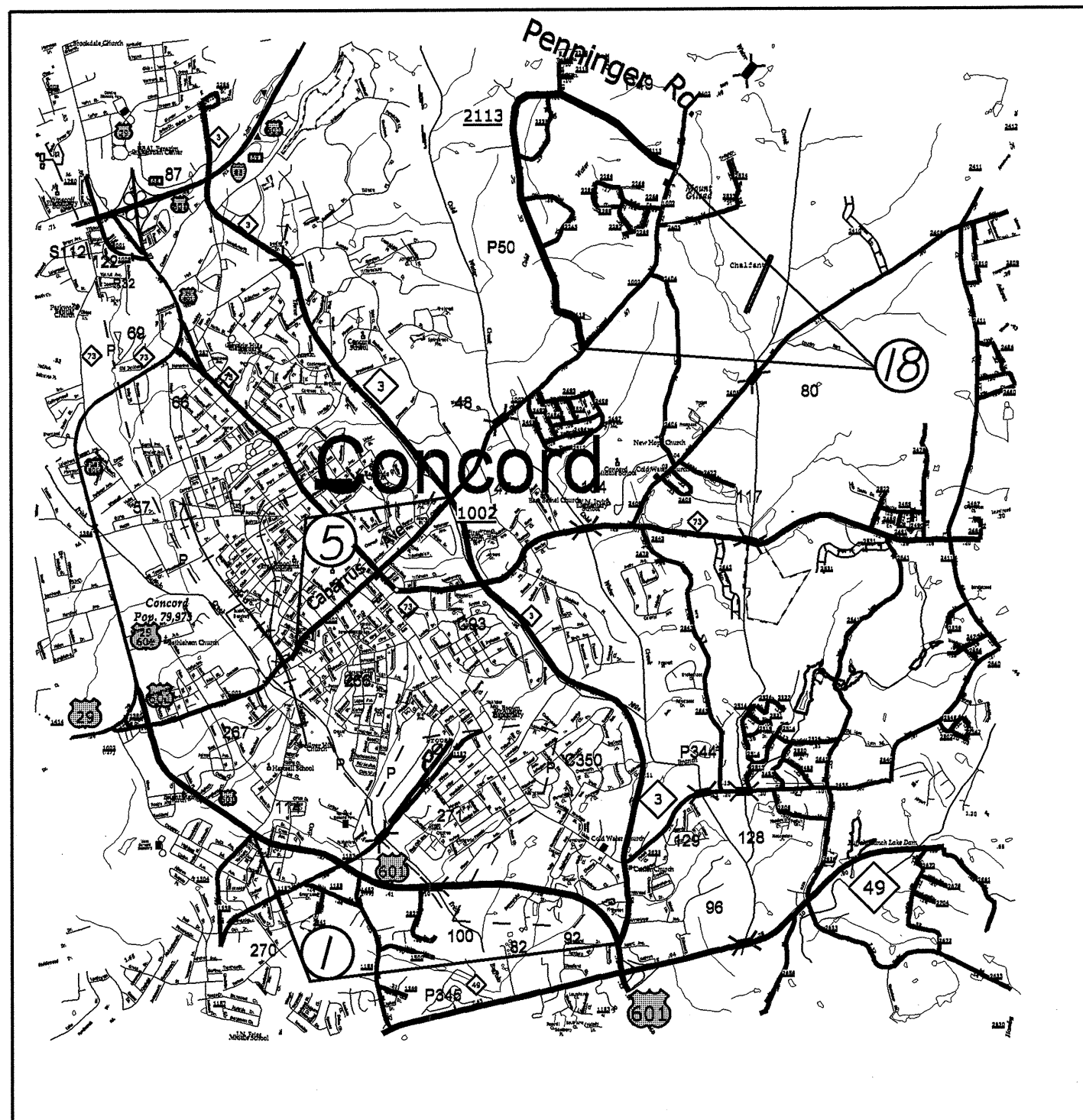


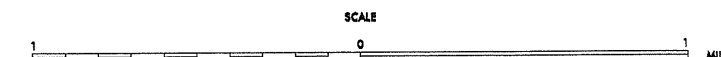
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	10CR.10131.25, etc.	1	
F.A. PROJECT NO.			



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

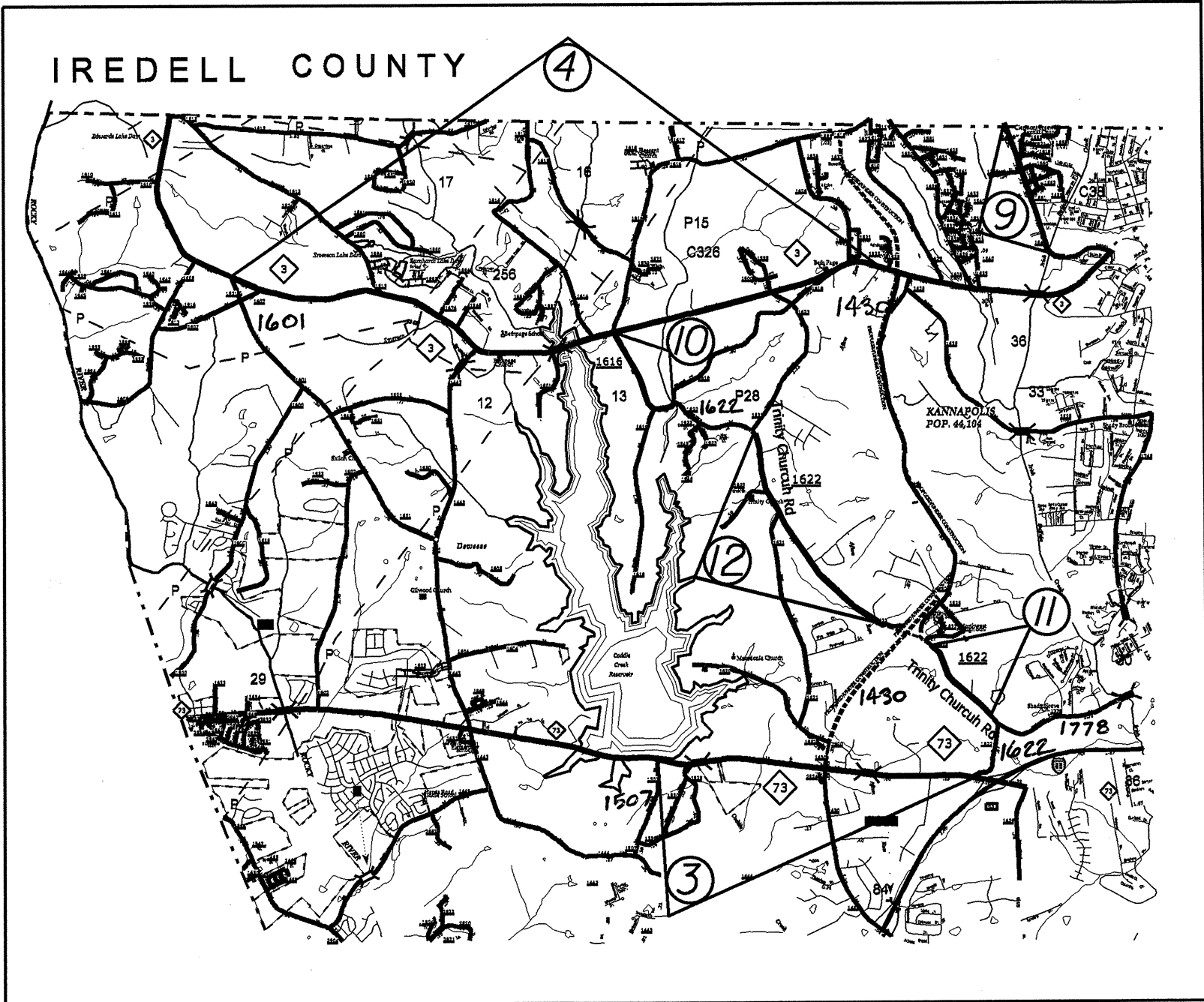
PREPARED BY THE  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS - GIS UNIT

IN COOPERATION WITH THE  
 U.S. DEPARTMENT OF TRANSPORTATION  
 FEDERAL HIGHWAY ADMINISTRATION

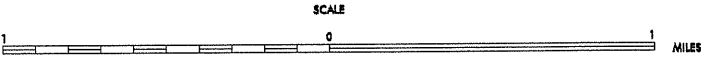


MAP #	ROUTE	DESCRIPTION
1	US 601	FROM PAVEMENT JOINT 0.25 MILES NORTH NC 3 MP 13.98 TO SR 1335 (OLD CHARLOTTE RD) MP 16.37
2	US 601	FROM SR 1106 (CARRIKER RD) MP 5.99 TO PAVEMENT JOINT BEFORE SR 2830 (COLD SPRINGS RD) MP 10.35
3	NC 73	FROM SR 1507 (LAFOREST LN) MP 3.55 TO SR 1622 (TRINITY CH RD) MP 5.91
4	NC 3	FROM PAVEMENT JOINT WEST OF SR 1430 (KANNAPOLIS PARKWAY) MP 13.86 TO SR 1601 (ODELL SCH RD) MP 18.86
5	SR 1002 (CABARRUS AVENUE)	FROM PAVEMENT JOINT BEFORE NC 3 MP 6.75 TO POWDER ST MP 8.18
6	SR 1305 (PITTS SCHOOL RD)	FROM SR 1431 (WEDDINGTON RD) MP 1.33 TO US 29 MP 3.04
7	SR 1305 (PITTS SCHOOL RD)	FROM PAVEMENT JOINT @ HEDGEMORE CT MP 3.41 TO SR 1304 (ROBERTA RD) MP 5.88
8	SR 2444 (ST. STEPHENS CH RD)	FROM ROWAN COUNTY LINE MP 0.00 TO SR 2453 (LENTZ HARNESS SHOP RD) MP 2.66
9	SR 1643 (RAINBOW DR)	FROM PAVEMENT JOINT NEAR CULVERT NORTH OF NC 3 MP 1.40 TO ROWAN COUNTY LINE MP 2.68
10	SR 1616 (RANKIN RD)	FROM NC 3 MP 2.97 TO SR 1622 (DRAKESTONE DR) MP 3.79
11	SR 1622 (TRINITY CH RD)	FROM PAVT JT NORTH OF SR 1778 (ORPHANAGE RD) MP 0.82 TO PAVT JT BEFORE SR 1430 (KANN PARKWAY) MP 1.14
12	SR 1622 (TRINITY CH RD)	FROM PAVT JT. WEST OF SR 1430 (KANNAPOLIS PARKWAY) MP 1.80 TO SR 1622 (DRAKESTONE RD) MP 3.45
13	SR 1121 (CABARRUS STA. RD)	FROM MECKLENBURG COUNTY LINE MP 0.00 TO SR 1117 (BETHEL AVENUE EXT) MP 1.88
14	SR 2435 (KLUTZ RD)	FROM SR 1006 (MOUNT PLEASANT RD) MP 4.66 TO SR 2429 (RIMER RD) MP 7.15
15	SR 1135 (MORRISON RD)	FROM SR 1132 (FLOWES STORE RD) MP 0.00 TO PAVEMENT JOINT EAST OF SR 1134 (PIONEER MILL RD) MP 0.36
16	SR 1135 (MORRISON RD)	FROM SR 1134 (PIONEER MILL RD) MP 0.70 TO SR 1136 (LOWER ROCKY RIVER RD) MP 2.19
17	SR 1100 (PINE BLUFF RD)	FROM NC 24/27 MP 8.63 TO STANLY COUNTY LINE MP 9.82
18	SR 2113 (PENNINGER RD)	FROM SR 1002 (OLD SALISBURY/CONCORD RD) MP 0.00 TO SR 1002 (OLD SALISBURY/CONCORD RD) MP 2.97
19	SR 1448 (COX MILL RD)	FROM PAVEMENT JOINT N OF HERRITAGE FARM AVE MP 0.62 TO PAVEMENT JOINT S OF SCHOOL MP 1.11
20	SR 1448 (COX MILL RD)	FROM PAVEMENT JOINT N OF SCHOOL MP 1.47 TO PAVEMENT JOINT BEFORE SR 1394 (POPLAR TENT RD) MP 2.19

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
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F.A. PROJECT NO.			

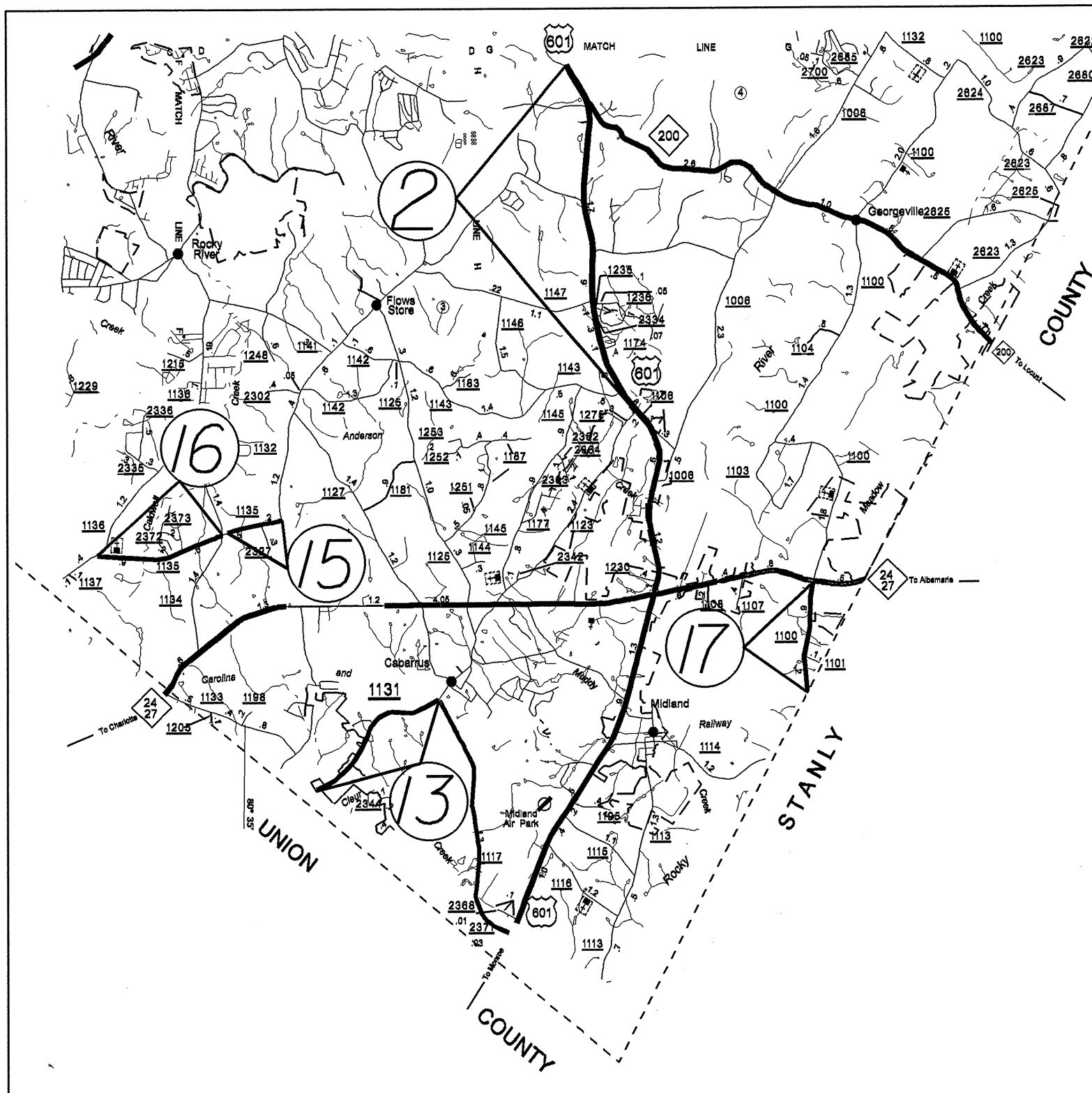


ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**CABARRUS COUNTY**  
 NORTH CAROLINA  
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FEDERAL HIGHWAY ADMINISTRATION

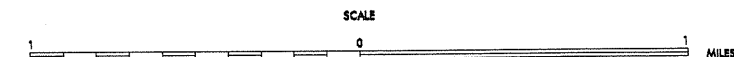


MAP #	ROUTE	DESCRIPTION
1	US 601	FROM PAVEMENT JOINT 0.25 MILES NORTH NC 3 MP 13.98 TO SR 1335 (OLD CHARLOTTE RD) MP 16.37
2	US 601	FROM SR 1108 (CARRIKER RD) MP 5.99 TO PAVEMENT JOINT BEFORE SR 2630 (COLD SPRINGS RD) MP 10.35
3	NC 73	FROM SR 1507 (LAFOREST LN) MP 3.55 TO SR 1622 (TRINITY CH RD) MP 5.91
4	NC 3	FROM PAVEMENT JOINT WEST OF SR 1430 (KANNAPOLIS PARKWAY) MP 13.86 TO SR 1601 (ODELL SCH RD) MP 18.86
5	SR 1002 (CABARRUS AVENUE)	FROM PAVEMENT JOINT BEFORE NC 3 MP 6.75 TO POWDER ST MP 8.18
6	SR 1305 (PITTS SCHOOL RD)	FROM SR 1431 (WEDDINGTON RD) MP 1.33 TO US 29 MP 3.04
7	SR 1305 (PITTS SCHOOL RD)	FROM PAVEMENT JOINT @ HEDGEMORE CT MP 3.41 TO SR 1304 (ROBERTA RD) MP 5.88
8	SR 2444 (ST. STEPHENS CH RD)	FROM ROWAN COUNTY LINE MP 0.00 TO SR 2453 (LENTZ HARNESS SHOP RD) MP 2.66
9	SR 1643 (RAINBOW DR)	FROM PAVEMENT JOINT NEAR CULVERT NORTH OF NC 3 MP 1.40 TO ROWAN COUNTY LINE MP 2.58
10	SR 1616 (RANKIN RD)	FROM NC 3 MP 2.97 TO SR 1622 (DRAKESTONE DR) MP 3.79
11	SR 1622 (TRINITY CH RD)	FROM PAVT JT NORTH OF SR 1778 (ORPHANAGE RD) MP 0.62 TO PAVT JT BEFORE SR 1430 (KANN PARKWAY) MP 1.14
12	SR 1622 (TRINITY CH RD)	FROM PAVT JT WEST OF SR 1430 (KANNAPOLIS PARKWAY) MP 1.80 TO SR 1622 (DRAKESTONE RD) MP 3.45
13	SR 1121 (CABARRUS STA. RD)	FROM MECKLENBURG COUNTY LINE MP 0.00 TO SR 1117 (BETHEL AVENUE EXT) MP 1.88
14	SR 2435 (KLUTZ RD)	FROM SR 1006 (MOUNT PLEASANT RD) MP 4.66 TO SR 2429 (RIMER RD) MP 7.15
15	SR 1135 (MORRISON RD)	FROM SR 1132 (FLOWES STORE RD) MP 0.00 TO PAVEMENT JOINT EAST OF SR 1134 (PIONEER MILL RD) MP 0.36
16	SR 1135 (MORRISON RD)	FROM SR 1134 (PIONEER MILL RD) MP 0.70 TO SR 1136 (LOWER ROCKY RIVER RD) MP 2.19
17	SR 1100 (PINE BLUFF RD)	FROM NC 24/27 MP 8.63 TO STANLY COUNTY LINE MP 9.82
18	SR 2113 (PENNINGER RD)	FROM SR 1002 (OLD SALISBURY/CONCORD RD) MP 0.00 TO SR 1002 (OLD SALISBURY/CONCORD RD) MP 2.97
19	SR 1448 (COX MILL RD)	FROM PAVEMENT JOINT N OF HERRITAGE FARM AVE MP 0.62 TO PAVEMENT JOINT S OF SCHOOL MP 1.11
20	SR 1448 (COX MILL RD)	FROM PAVEMENT JOINT N OF SCHOOL MP 1.47 TO PAVEMENT JOINT BEFORE SR 1394 (POPLAR TENT RD) MP 2.19

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
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F.A. PROJECT NO.			

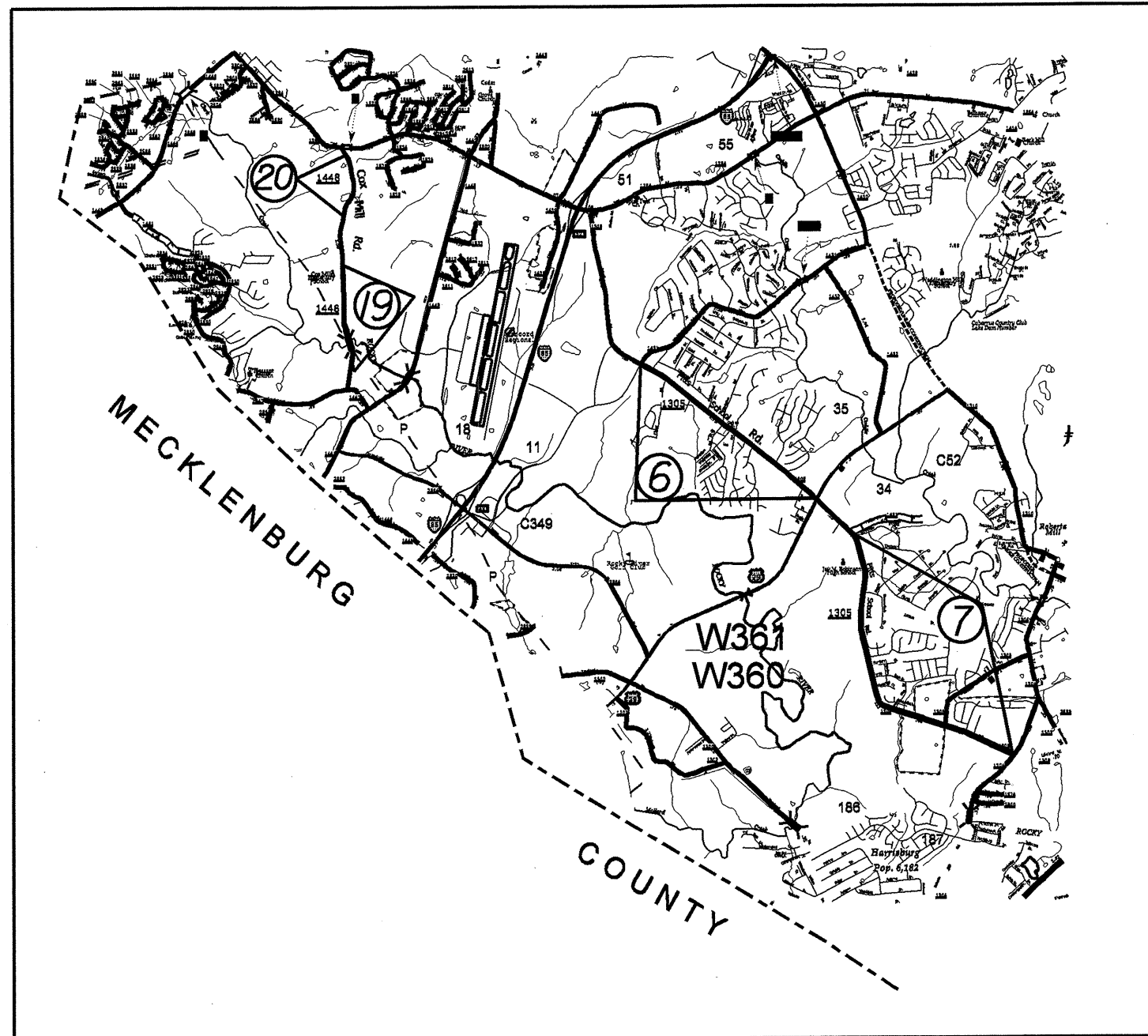


ENLARGED MUNICIPAL AND SUBURBAN AREAS  
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 NORTH CAROLINA  
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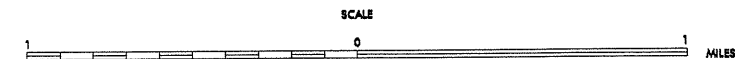


MAP #	ROUTE	DESCRIPTION
1	US 601	FROM PAVEMENT JOINT 0.25 MILES NORTH NC 3 MP 13.98 TO SR 1335 (OLD CHARLOTTE RD) MP 16.37
2	US 601	FROM SR 1106 (CARRIKER RD) MP 5.99 TO PAVEMENT JOINT BEFORE SR 2630 (COLD SPRINGS RD) MP 10.35
3	NC 73	FROM SR 1507 (LAFOREST LN) MP 3.55 TO SR 1622 (TRINITY CH RD) MP 5.91
4	NC 3	FROM PAVEMENT JOINT WEST OF SR 1430 (KANNAPOLIS PARKWAY) MP 13.86 TO SR 1801 (ODELL SCH RD) MP 18.86
5	SR 1002 (CABARRUS AVENUE)	FROM PAVEMENT JOINT BEFORE NC 3 MP 6.75 TO POWDER ST MP 8.18
6	SR 1305 (PITTS SCHOOL RD)	FROM SR 1431 (WEDDINGTON RD) MP 1.33 TO US 29 MP 3.04
7	SR 1305 (PITTS SCHOOL RD)	FROM PAVEMENT JOINT @ HEDGEMORE CT MP 3.41 TO SR 1304 (ROBERTA RD) MP 5.88
8	SR 2444 (ST. STEPHENS CH RD)	FROM ROWAN COUNTY LINE MP 0.00 TO SR 2453 (LENTZ HARNESS SHOP RD) MP 2.66
9	SR 1843 (RAINBOW DR)	FROM PAVEMENT JOINT NEAR CULVERT NORTH OF NC 3 MP 1.40 TO ROWAN COUNTY LINE MP 2.58
10	SR 1816 (RANKIN RD)	FROM NC 3 MP 2.97 TO SR 1622 (DRAKESTONE DR) MP 3.79
11	SR 1622 (TRINITY CH RD)	FROM PAVT JT NORTH OF SR 1778 (ORPHANAGE RD) MP 0.62 TO PAVT JT BEFORE SR 1430 (KANN PARKWAY) MP 1.14
12	SR 1622 (TRINITY CH RD)	FROM PAVT JT. WEST OF SR 1430 (KANNAPOLIS PARKWAY) MP 1.80 TO SR 1622 (DRAKESTONE RD) MP 3.45
13	SR 1121 (CABARRUS STA. RD)	FROM MECKLENBURG COUNTY LINE MP 0.00 TO SR 1117 (BETHEL AVENUE EXT) MP 1.86
14	SR 2435 (KLUTZ RD)	FROM SR 1006 (MOUNT PLEASANT RD) MP 4.66 TO SR 2429 (RIMER RD) MP 7.15
15	SR 1135 (MORRISON RD)	FROM SR 1132 (FLOWES STORE RD) MP 0.00 TO PAVEMENT JOINT EAST OF SR 1134 (PIONEER MILL RD) MP 0.36
16	SR 1135 (MORRISON RD)	FROM SR 1134 (PIONEER MILL RD) MP 0.70 TO SR 1136 (LOWER ROCKY RIVER RD) MP 2.19
17	SR 1100 (PINE BLUFF RD)	FROM NC 24/27 MP 8.63 TO STANLY COUNTY LINE MP 9.82
18	SR 2113 (PENNINGER RD)	FROM SR 1002 (OLD SALISBURY/CONCORD RD) MP 0.00 TO SR 1002 (OLD SALISBURY/CONCORD RD) MP 2.97
19	SR 1448 (COX MILL RD)	FROM PAVEMENT JOINT N OF HERRITAGE FARM AVE MP 0.62 TO PAVEMENT JOINT S OF SCHOOL MP 1.11
20	SR 1448 (COX MILL RD)	FROM PAVEMENT JOINT N OF SCHOOL MP 1.47 TO PAVEMENT JOINT BEFORE SR 1394 (POPLAR TENT RD) MP 2.19

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
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F.A. PROJECT NO.			

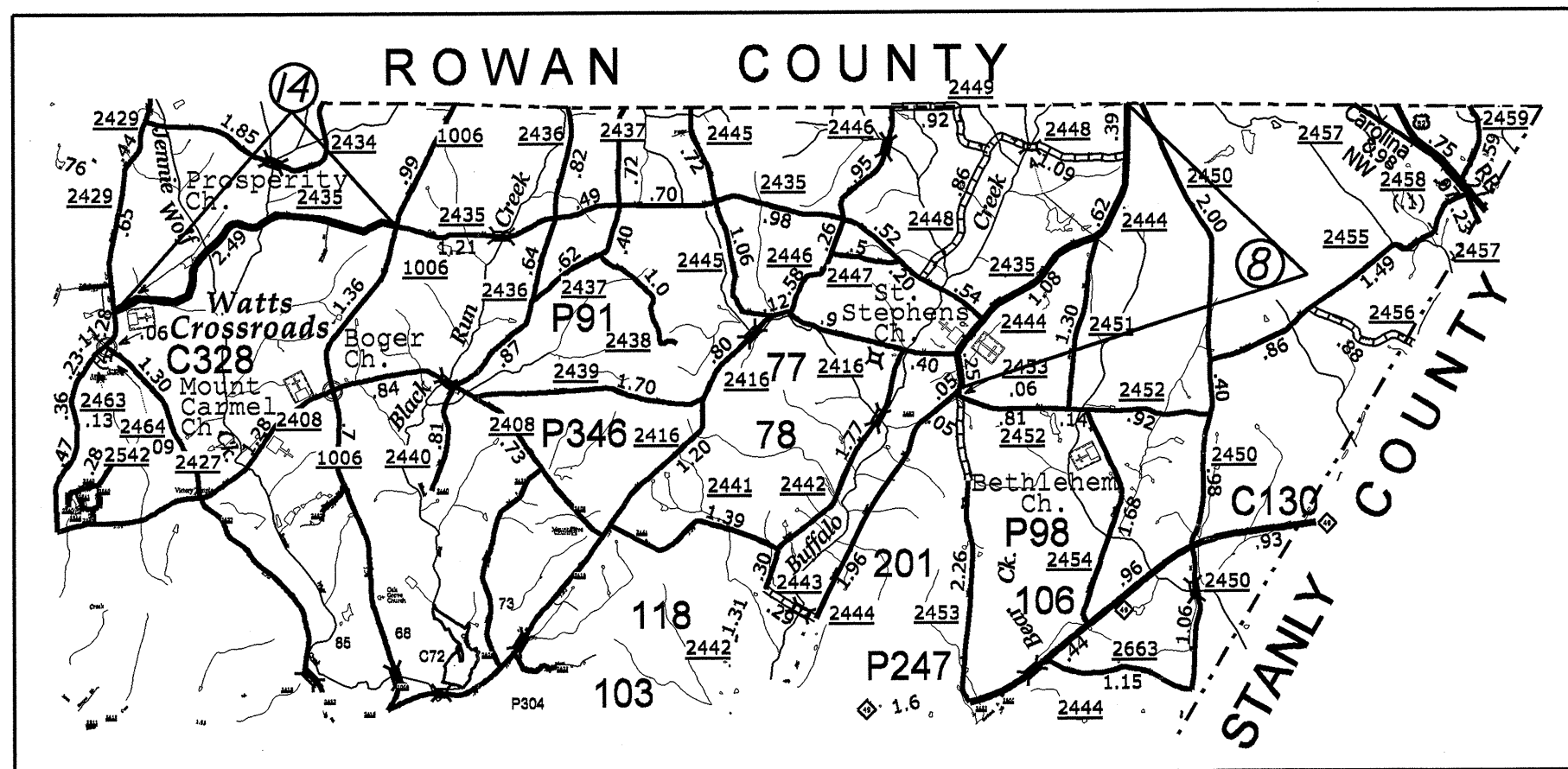


ENLARGED MUNICIPAL AND SUBURBAN AREAS  
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 NORTH CAROLINA  
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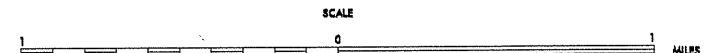


MAP #	ROUTE	DESCRIPTION
1	US 601	FROM PAVEMENT JOINT 0.25 MILES NORTH NC 3 MP 13.98 TO SR 1335 (OLD CHARLOTTE RD) MP 16.37
2	US 601	FROM SR 1106 (CARRIKER RD) MP 5.99 TO PAVEMENT JOINT BEFORE SR 2630 (COLD SPRINGS RD) MP 10.35
3	NC 73	FROM SR 1507 (LAFOREST LN) MP 3.55 TO SR 1622 (TRINITY CH RD) MP 5.91
4	NC 3	FROM PAVEMENT JOINT WEST OF SR 1430 (KANNAPOLIS PARKWAY) MP 13.86 TO SR 1601 (ODELL SCH RD) MP 18.86
5	SR 1002 (CABARRUS AVENUE)	FROM PAVEMENT JOINT BEFORE NC 3 MP 6.75 TO POWDER ST MP 8.18
6	SR 1305 (PITTS SCHOOL RD)	FROM SR 1431 (WEDDINGTON RD) MP 1.33 TO US 29 MP 3.04
7	SR 1306 (PITTS SCHOOL RD)	FROM PAVEMENT JOINT @ HEDGEMORE CT MP 3.41 TO SR 1304 (ROBERTA RD) MP 5.88
8	SR 2444 (ST. STEPHENS CH RD)	FROM ROWAN COUNTY LINE MP 0.00 TO SR 2453 (LENTZ HARNESS SHOP RD) MP 2.66
9	SR 1643 (RAINBOW DR)	FROM PAVEMENT JOINT NEAR CULVERT NORTH OF NC 3 MP 1.40 TO ROWAN COUNTY LINE MP 2.58
10	SR 1816 (RANKIN RD)	FROM NC 3 MP 2.97 TO SR 1622 (DRAKESTONE DR) MP 3.79
11	SR 1622 (TRINITY CH RD)	FROM PAVT JT NORTH OF SR 1778 (ORPHANAGE RD) MP 0.62 TO PAVT JT BEFORE SR 1430 (KANN PARKWAY) MP 1.14
12	SR 1622 (TRINITY CH RD)	FROM PAVT JT. WEST OF SR 1430 (KANNAPOLIS PARKWAY) MP 1.80 TO SR 1622 (DRAKESTONE DR) MP 3.45
13	SR 1121 (CABARRUS STA. RD)	FROM MECKLENBURG COUNTY LINE MP 0.00 TO SR 1117 (BETHEL AVENUE EXT) MP 1.88
14	SR 2435 (KLUTZ RD)	FROM SR 1006 (MOUNT PLEASANT RD) MP 4.66 TO SR 2429 (RIMER RD) MP 7.15
15	SR 1135 (MORRISON RD)	FROM SR 1132 (FLOWES STORE RD) MP 0.00 TO PAVEMENT JOINT EAST OF SR 1134 (PIONEER MILL RD) MP 0.36
16	SR 1135 (MORRISON RD)	FROM SR 1134 (PIONEER MILL RD) MP 0.70 TO SR 1136 (LOWER ROCKY RIVER RD) MP 2.19
17	SR 1100 (PINE BLUFF RD)	FROM NC 24/27 MP 8.83 TO STANLY COUNTY LINE MP 9.82
18	SR 2113 (PENNINGER RD)	FROM SR 1002 (OLD SALISBURY/CONCORD RD) MP 0.00 TO SR 1002 (OLD SALISBURY/CONCORD RD) MP 2.97
19	SR 1448 (COX MILL RD)	FROM PAVEMENT JOINT N OF HERRITAGE FARM AVE MP 0.82 TO PAVEMENT JOINT S OF SCHOOL MP 1.11
20	SR 1448 (COX MILL RD)	FROM PAVEMENT JOINT N OF SCHOOL MP 1.47 TO PAVEMENT JOINT BEFORE SR 1394 (POPLAR TENT RD) MP 2.19

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
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F.A. PROJECT NO.			

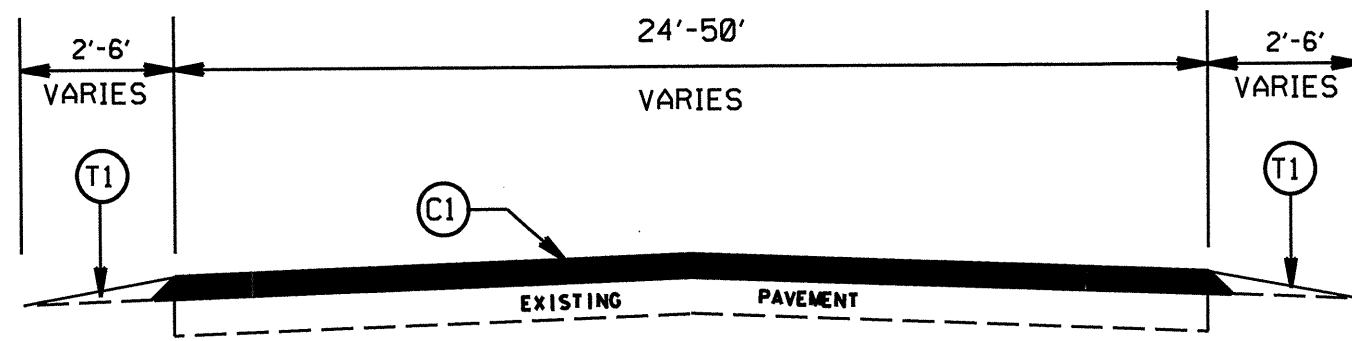


ENLARGED MUNICIPAL AND SUBURBAN AREAS  
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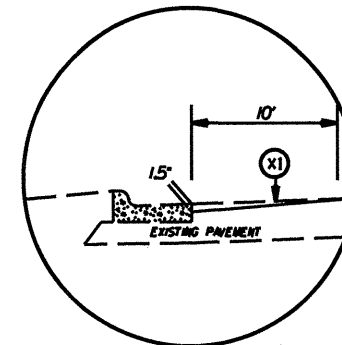


MAP #	ROUTE	DESCRIPTION
1	US 601	FROM PAVEMENT JOINT 0.25 MILES NORTH NC 3 MP 13.98 TO SR 1335 (OLD CHARLOTTE RD) MP 16.37
2	US 601	FROM SR 1106 (CARRIKER RD) MP 5.98 TO PAVEMENT JOINT BEFORE SR 2630 (COLD SPRINGS RD) MP 10.35
3	NC 73	FROM SR 1507 (LAFOREST LN) MP 3.55 TO SR 1622 (TRINITY CH RD) MP 5.91
4	NC 3	FROM PAVEMENT JOINT WEST OF SR 1430 (KANNAPOLIS PARKWAY) MP 13.86 TO SR 1601 (ODELL SCH RD) MP 18.86
5	SR 1002 (CABARRUS AVENUE)	FROM PAVEMENT JOINT BEFORE NC 3 MP 6.75 TO POWDER ST MP 8.18
6	SR 1305 (PITTS SCHOOL RD)	FROM SR 1431 (WEDDINGTON RD) MP 1.33 TO US 29 MP 3.04
7	SR 1305 (PITTS SCHOOL RD)	FROM PAVEMENT JOINT @ HEDGEMORE CT MP 3.41 TO SR 1304 (ROBERTA RD) MP 5.88
8	SR 2444 (ST. STEPHENS CH RD)	FROM ROWAN COUNTY LINE MP 0.00 TO SR 2463 (LENTZ HARNESS SHOP RD) MP 2.68
9	SR 1643 (RAINBOW DR)	FROM PAVEMENT JOINT NEAR CULVERT NORTH OF NC 3 MP 1.40 TO ROWAN COUNTY LINE MP 2.58
10	SR 1616 (RANKIN RD)	FROM NC 3 MP 2.87 TO SR 1622 (DRAKESTONE DR) MP 3.79
11	SR 1622 (TRINITY CH RD)	FROM PAVT JT NORTH OF SR 1778 (ORPHANAGE RD) MP 0.62 TO PAVT JT BEFORE SR 1430 (KANN PARKWAY) MP 1.14
12	SR 1622 (TRINITY CH RD)	FROM PAVT JT. WEST OF SR 1430 (KANNAPOLIS PARKWAY) MP 1.80 TO SR 1622 (DRAKESTONE RD) MP 3.45
13	SR 1121 (CABARRUS STA. RD)	FROM MECKLENBURG COUNTY LINE MP 0.00 TO SR 1117 (BETHEL AVENUE EXT) MP 1.88
14	SR 2435 (KLUTZ RD)	FROM SR 1006 (MOUNT PLEASANT RD) MP 4.66 TO SR 2429 (RIMER RD) MP 7.15
15	SR 1135 (MORRISON RD)	FROM SR 1132 (FLOWES STORE RD) MP 0.00 TO PAVEMENT JOINT EAST OF SR 1134 (PIONEER MILL RD) MP 0.36
16	SR 1135 (MORRISON RD)	FROM SR 1134 (PIONEER MILL RD) MP 0.70 TO SR 1136 (LOWER ROCKY RIVER RD) MP 2.19
17	SR 1100 (PINE BLUFF RD)	FROM NC 24/27 MP 8.63 TO STANLY COUNTY LINE MP 9.82
18	SR 2113 (PENNINGER RD)	FROM SR 1002 (OLD SALISBURY/CONCORD RD) MP 0.00 TO SR 1002 (OLD SALISBURY/CONCORD RD) MP 2.97
19	SR 1448 (COX MILL RD)	FROM PAVEMENT JOINT N OF HERRITAGE FARM AVE MP 0.62 TO PAVEMENT JOINT S OF SCHOOL MP 1.11
20	SR 1448 (COX MILL RD)	FROM PAVEMENT JOINT N OF SCHOOL MP 1.47 TO PAVEMENT JOINT BEFORE SR 1394 (POPLAR TENT RD) MP 2.19

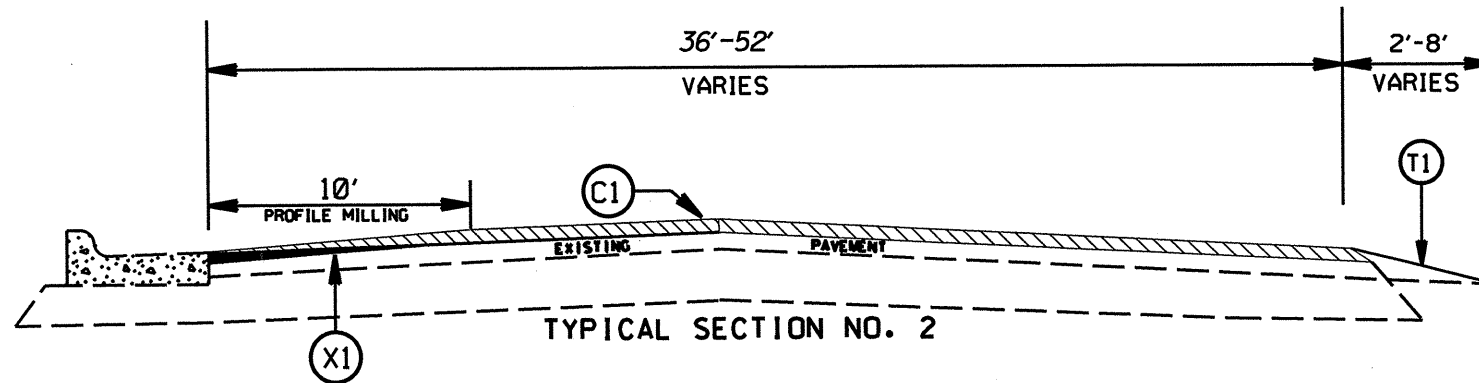
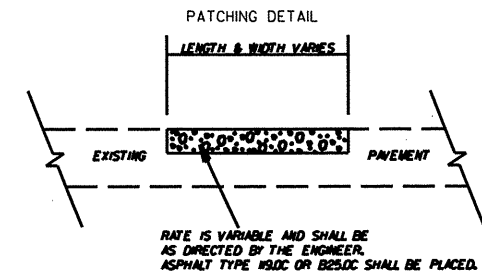
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	10CR.10131.25, etc.	6	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 3

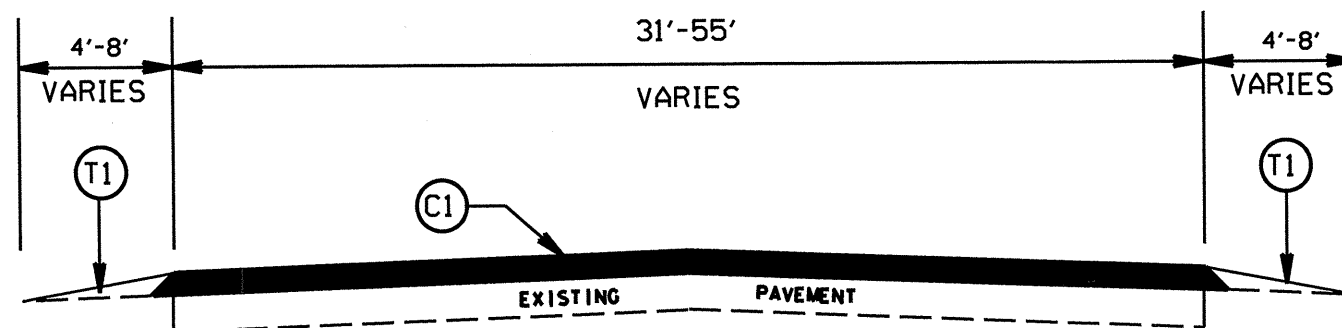


DETAIL FOR PROFILE MILLING (0' TO 1.5')



TYPICAL SECTION NO. 2

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
V1	MILLING BITUMINOUS PAVEMENT 1.5" DEPTH.
X1	PROFILE MILLING BITUMINOUS PAVEMENT. 0. TO 1.5" DEPTH.

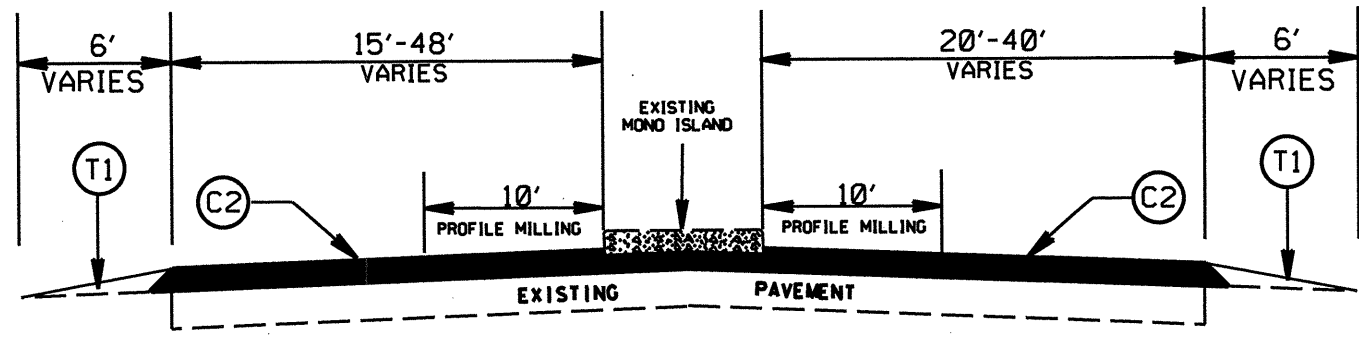


TYPICAL SECTION NO. 1

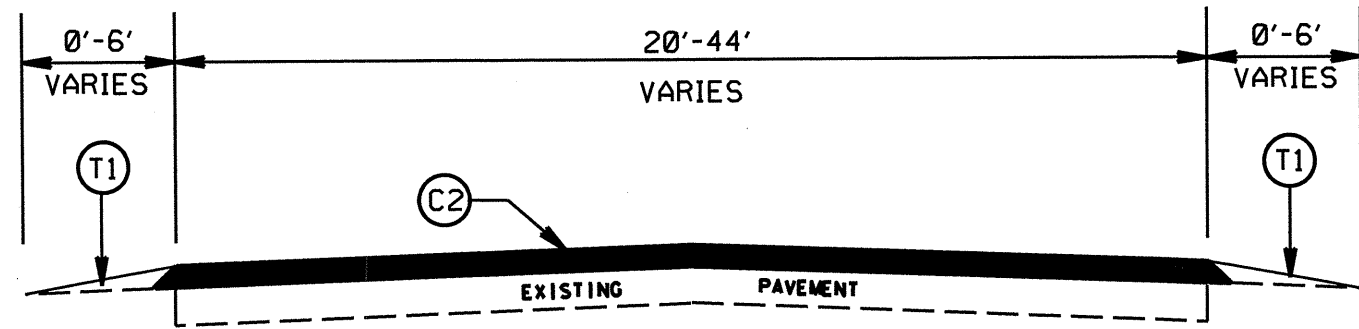
**CABARRUS COUNTY  
RESURFACING 2013**

SCALE	-NA-		REVISIONS
DATE	2/12		
DRG. BY	JDA		
DESIGN BY	JDA		
APPROVED	MPW		

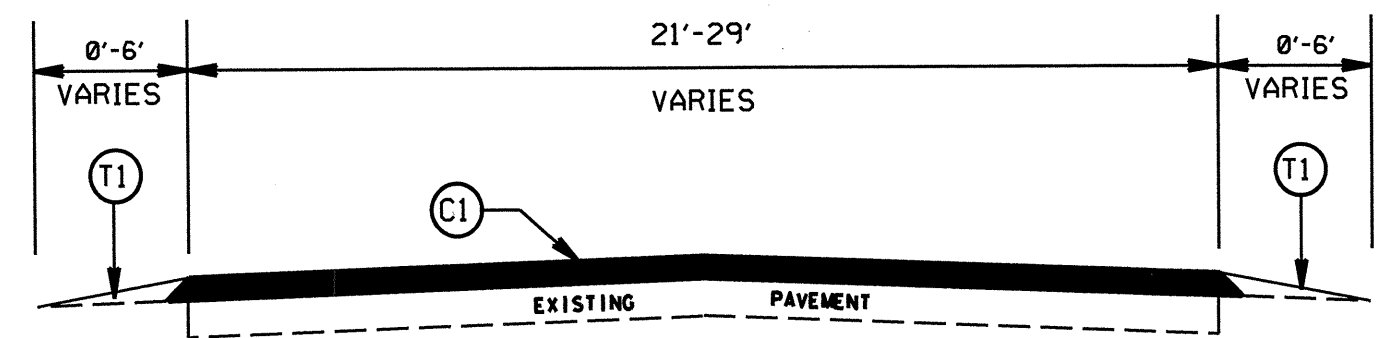
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	IOCR.10131.25, etc.	7	
F.A. PROJECT NO.			



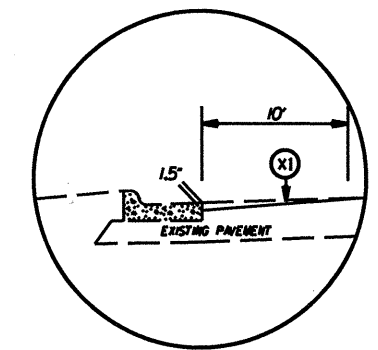
TYPICAL SECTION NO. 6



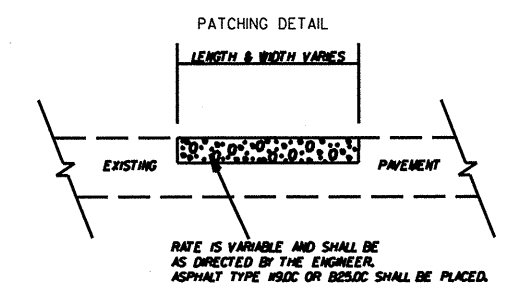
TYPICAL SECTION NO. 5



TYPICAL SECTION NO. 4



DETAIL FOR PROFILE MILLING (0" TO 1.5")



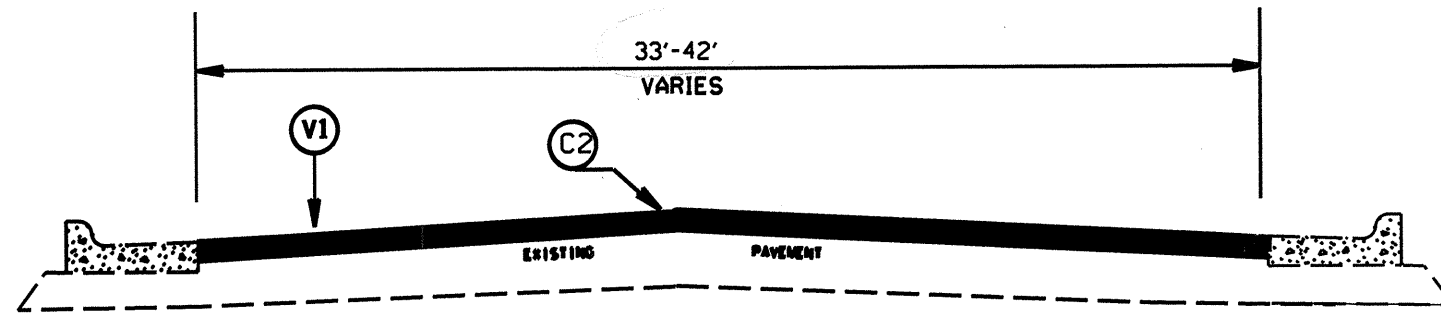
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
V1	MILLING BITUMINOUS PAVEMENT 1.5" DEPTH.
X1	PROFILE MILLING BITUMINOUS PAVEMENT. 0" TO 1.5" DEPTH.

CABARRUS COUNTY  
RESURFACING 2013

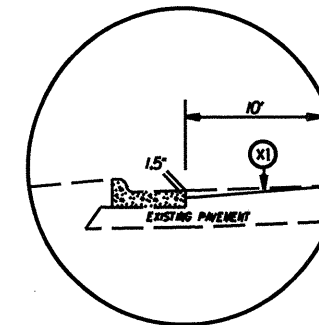
SCALE	-NA-		REVISIONS
DATE	2/12		
DWG. BY	JDA		
DESIGN BY	JDA		
APPROVED	MPW		



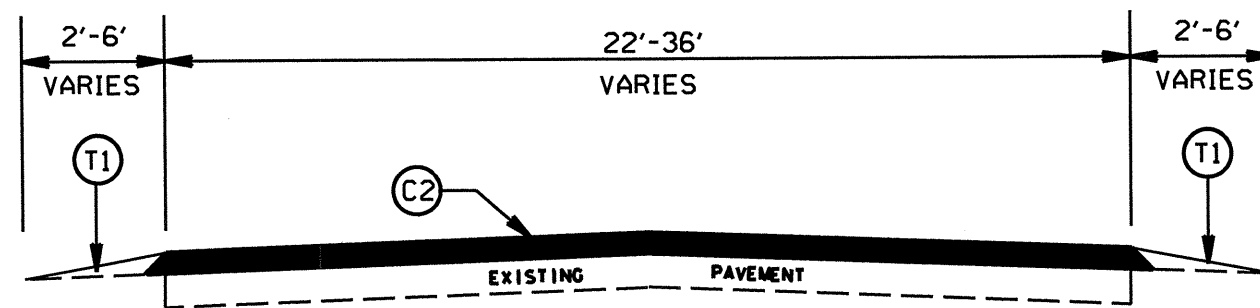
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	10CR1013L25, etc.	8	
F.A. PROJECT NO.			



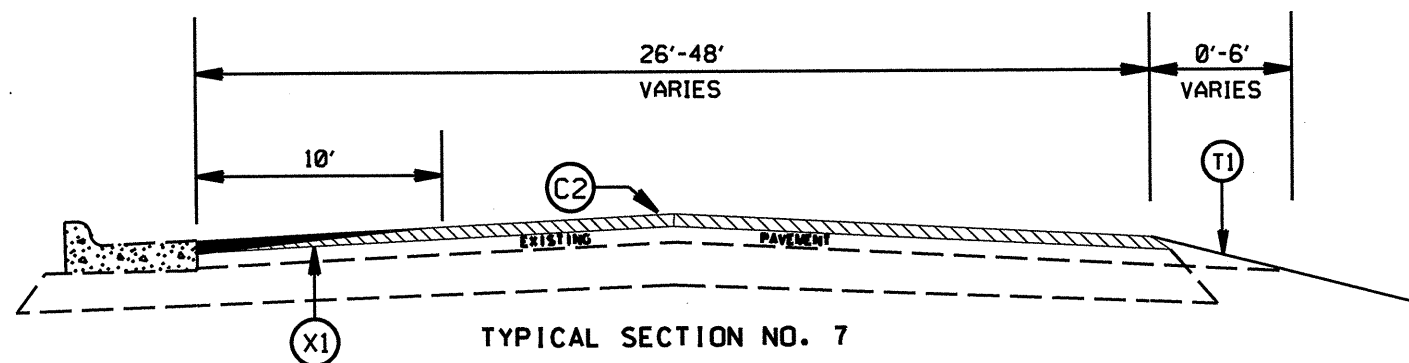
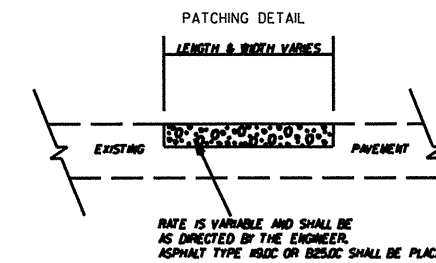
TYPICAL SECTION NO. 9



DETAIL FOR PROFILE MILLING (0' TO 1.5')



TYPICAL SECTION NO. 8



TYPICAL SECTION NO. 7

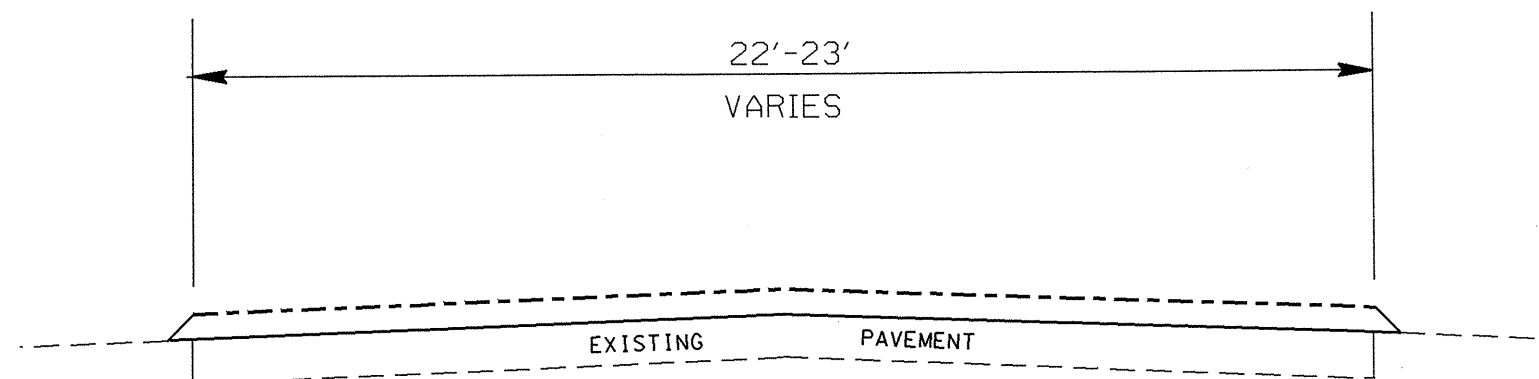
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
V1	MILLING BITUMINOUS PAVEMENT 1.5" DEPTH.
X1	PROFILE MILLING BITUMINOUS PAVEMENT. 0. TO 1.5" DEPTH.

CABARRUS COUNTY  
RESURFACING 2013

SCALE	-NA-		REVISIONS
DATE	2/12		
DWG. BY	JDA		
DESIGN BY	JDA		
APPROVED	MPV		

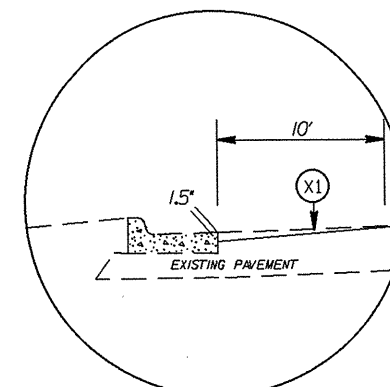


STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	10CR10131.25, etc.	9	
F.A. PROJECT NO.			

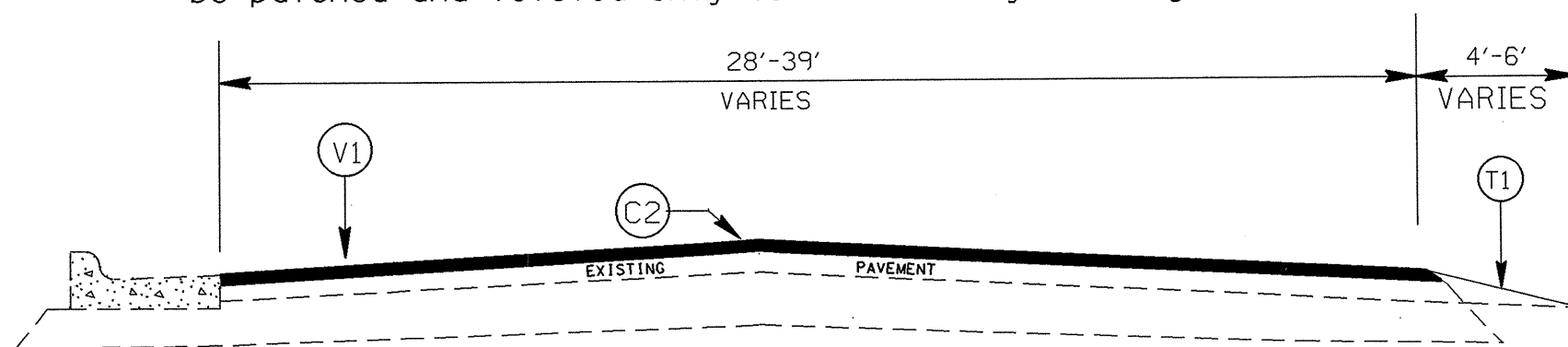
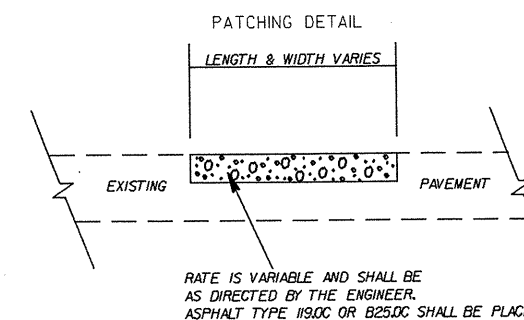


TYPICAL SECTION NO. 12

Note: Map #8, SR 2444 (St. Stephens Church Road) will only be patched and leveled only as directed by the Engineer.

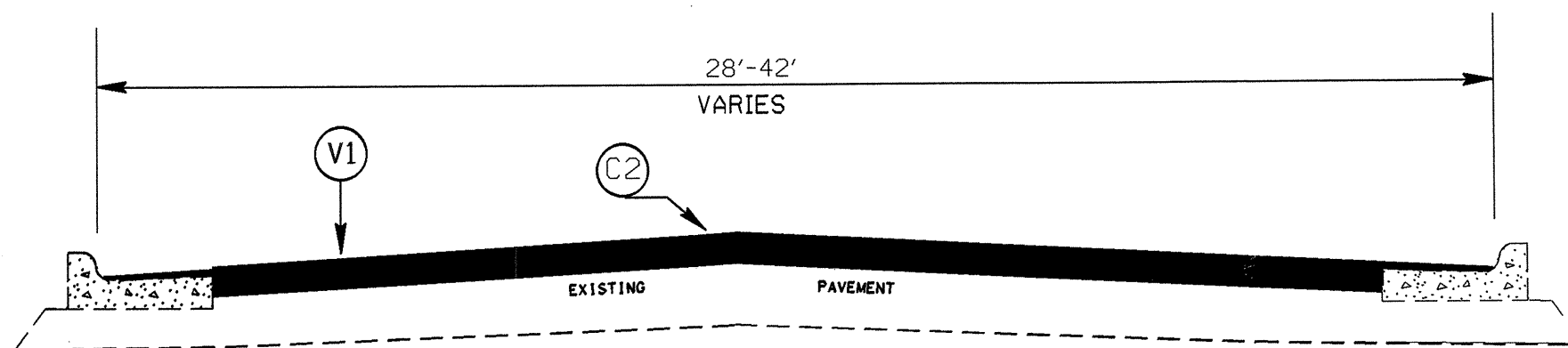


DETAIL FOR PROFILE MILLING (0' TO 1.5')



TYPICAL SECTION NO. 11

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 99.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 99.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
V1	MILLING BITUMINOUS PAVEMENT 1.5" DEPTH.
X1	PROFILE MILLING BITUMINOUS PAVEMENT. 0 TO 1.5" DEPTH.



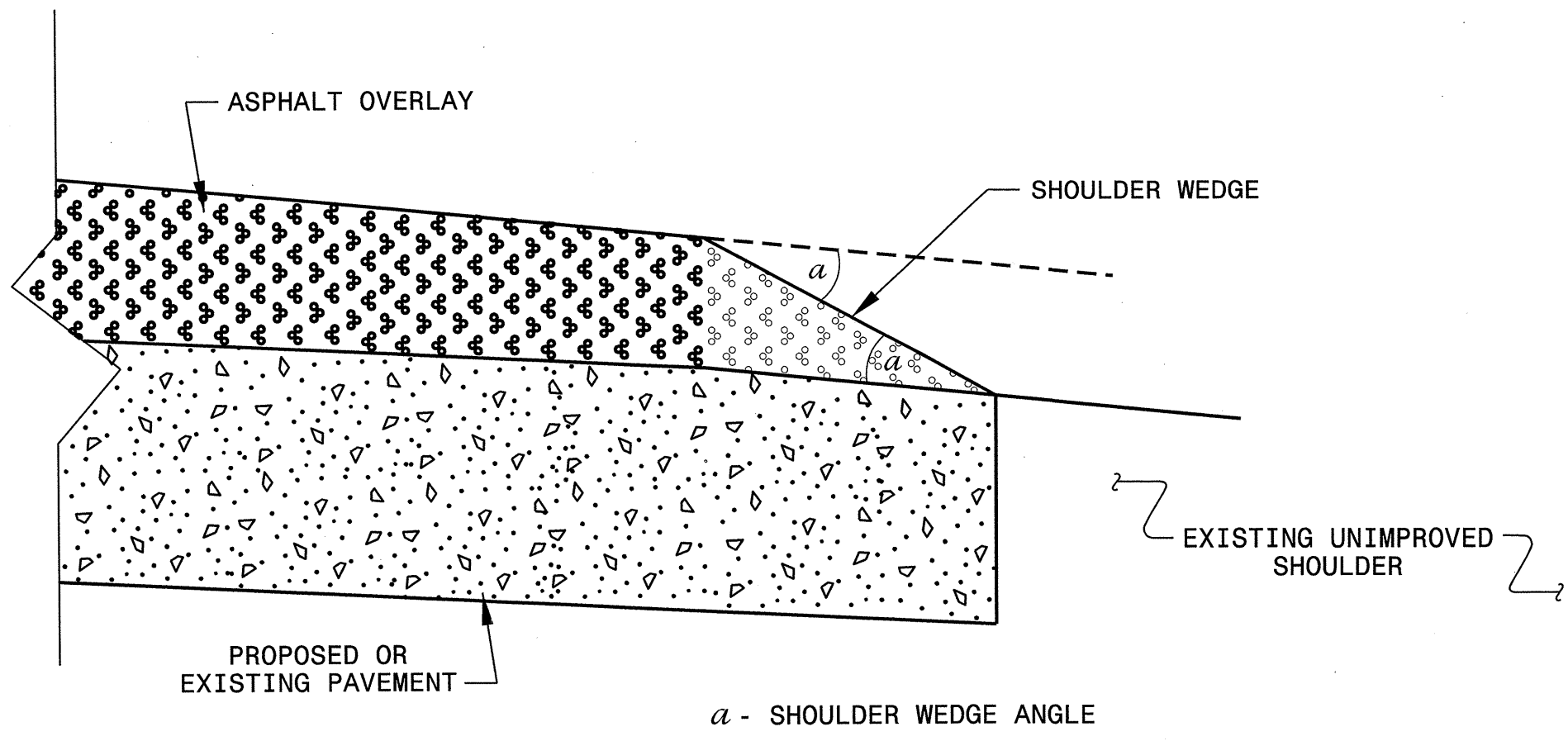
TYPICAL SECTION NO. 10

CABARRUS COUNTY  
RESURFACING 2013

SCALE	-NA-
DATE	2/12
DWG. BY	JDA
DESIGN BY	JDA
APPROVED	MPM



REVISIONS	



## SHOULDER WEDGE DETAIL

C:\ACT\_2011\22  
 C:\Contracts\Special Details\howerton\shoulderwedgedetail.dgn  
 \$\$\$USERNAME\$\$\$

<b>CONTRACT STANDARDS AND DEVELOPMENT UNIT</b>	
Office 919-707-6950 FAX 919-250-4119	
<b>SHOULDER WEDGE DETAIL</b>	
ORIGINAL BY: T.SPELL	DATE: 7-19-11
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC.: s:\usr\details\stand\shoulderwedgedetail.dgn	

PROJECT NO.	SHEET NO.	TOTAL NO.
10CR.10131.25, etc.	11	

### SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	BORROW CY	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SMI	1.5" MILLING SY	0" TO 1.5" MILLING SY	INCIDENTAL MILLING SY	SURFACE COURSE, S9.58 TONS	LEVELING COURSE, S9.58 TONS	SURFACE COURSE, S9.5C TONS	LEVELING COURSE, S9.5C TONS	ASPHALT BINDER FOR PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	RETROFIT EXISTING WHEELCHAIR RAMPS EA	6" DRIVEWAYS SY	ADJ. OF CATCH BASIN EA	ADJ. OF MANHOLES EA	ADJ. OF METER OR VALVE BOX EA	TEMPORARY SILT FENCE LF	MATTING (EROSION CONTROL) SY	WATTLE LF			
10CR.10131.25	Cabarrus	1	US 601	FROM PAVEMENT JOINT 0.25 MILES NORTH NC 3 MP 13.98 TO SR 1335 (OLD CHARLOTTE RD) MP 16.37	1,2	NO	2.18	32' - 48'	167	109	4.17		1,111	400			4,456	1,000	328	900					1	1	500	512	320		
TOTAL FOR PROJ NO. 10CR.10131.25							2.18		167	109	4.17		1,111	400			4,456	1,000	328	900					1	1	500	512	320		
10CR.10131.26	Cabarrus	2	US 601	FROM SR 1106 (CARRIKER RD) MP 5.99 TO PAVEMENT JOINT BEFORE SR 2630 (COLD SPRINGS RD) MP 10.35	1	NO	4.36	32' - 54'	174	218	8.72			320			7,879	650	507	1,100							1,000	1,152	720		
TOTAL FOR PROJ NO. 10CR.10131.26							4.36		174	218	8.72			320			7,879	650	507	1,100								1,000	1,152	720	
10CR.10131.27	Cabarrus	3	NC 73	FROM SR 1507 (LAFOREST LN) MP 3.55 TO SR 1622 (TRINITY CH RD) MP 5.91	2,3	NO	2.36	24' - 50'	94	118	4.72		400	300			3,911	350	254	600							1,000	1,024	640		
TOTAL FOR PROJ NO. 10CR.10131.27							2.36		94	118	4.72		400	300			3,911	350	254	600								1,000	1,024	640	
10CR.10131.28	Cabarrus	4	NC 3	FROM PAVEMENT JOINT WEST OF SR 1430 (KANNAPOLIS PARKWAY) MP 13.86 TO SR 1601 (ODELL SCH. RD) MP 18.86	4	NO	5	22' - 29'	200	250	10.00	800					6,625	1,250	472	2,000							2,500	1,792	1,120		
TOTAL FOR PROJ NO. 10CR.10131.28							5		200	250	10.00	800					6,625	1,250	472	2,000								2,500	1,792	1,120	
10CR.20131.85	Cabarrus	5	SR 1002 (CABARRUS AVENUE)	FROM PAVEMENT JOINT BEFORE NC 3 MP 6.75 TO POWDER STREET MP 8.18	9,10,11	NO	1.43	22' - 42'	4		0.20	26,570			2,540				152	400				1	10	4	100	128	80		
TOTAL FOR PROJ NO. 10CR.20131.85							1.43		4		0.20	26,570			2,540			152	400							1	10	4	100	128	80
10CR.20131.86	Cabarrus	6	SR 1305 (PITTS SCH. RD)	FROM SR 1431 (WEDDINGTON RD) MP 1.33 TO US 29 MP 3.04	5,7,9	NO	1.71	22' - 37'	55	86	2.76	1,350	3,120		2,827	300			189	500				1	10	10	200	896	560		
TOTAL FOR PROJ NO. 10CR.20131.86							1.71		55	86	2.76	1,350	3,120		2,827	300			189	500						1	10	10	200	896	560
10CR.20131.87	Cabarrus	7	SR 1305 (PITTS SCH. RD)	FROM PAVEMENT JOINT@ HEDGEMORE CT. MP 3.41 TO SR 1304 (ROBERTA RD) MP 5.88	5,7	NO	2.47	22' - 44'	87	124	4.36		1,700	150	3,809	350			251	650				1	1	1	400	1,024	640		
TOTAL FOR PROJ NO. 10CR.20131.87							2.47		87	124	4.36		1,700	150	3,809	350			251	650						1	1	1	400	1,024	640
10CR.20131.88	Cabarrus	8	SR 2444 (ST. STEPHENS CH RD)	FROM ROWAN CO. LINE MP 0.00 TO SR 2453 (LENTZ HARNESS SHOP RD) MP 2.66	12	NO	2.66	22' - 23'							550				36	950											
TOTAL FOR PROJ NO. 10CR.20131.88							2.66								550				36	950											
10CR.20131.89	Cabarrus	9	SR 1643 (RAINBOW DRIVE)	FROM PAVEMENT JOINT NEAR CULVERT NORTH OF NC 3 MP 1.40 TO ROWAN COUNTY LINE MP 2.58	8	NO	1.18	22' - 28'	47	59	2.36			140	1,591	150			105	300							500	640	400		
TOTAL FOR PROJ NO. 10CR.20131.89							1.18		47	59	2.36			140	1,591	150			105	300								500	640	400	
10CR.20131.90	Cabarrus	10	SR 1616 (RANKIN RD)/(STIREWALL RD)	FROM NC 3 MP 2.97 TO SR 1622 (DRAKESTONE DRIVE) MP 3.79	5	NO	0.82	20' - 22'	33	41	1.64			120	950	205			70	290							400	512	320		
TOTAL FOR PROJ NO. 10CR.20131.90							0.82		33	41	1.64			120	950	205			70	290								400	512	320	
10CR.20131.75	Cabarrus	11	SR 1622 (TRINITY CH RD)	FROM PAVEMENT JOINT NORTH OF SR 1778 (ORPHANAGE RD) MP 0.62 TO PAVEMENT JOINT BEFORE SR 1430 (KANNAPOLIS PARKWAY) MP 1.14	8	NO	0.52	22' - 36'	21	26	1.04			110	746	60			49	135								384	240		
TOTAL FOR PROJ NO. 10CR.20131.75							0.52		21	26	1.04			110	746	60			49	135									384	240	
10CR.20131.76	Cabarrus	12	SR 1622 (TRINITY CH RD)	FROM PAVEMENT JOINT WEST OF SR 1430 (KANNAPOLIS PARKWAY) MP 1.8 TO SR 1622 (DRAKESTONE RD) MP 3.4 5	7,8	NO	1.65	22' - 34'	60	83	3.00		1,555	160	2,378	240			158	415	4						1,000	512	320		
TOTAL FOR PROJ NO. 10CR.20131.76							1.65		60	83	3.00		1,555	160	2,378	240			158	415	4							1,000	512	320	
10CR.20131.77	Cabarrus	13	SR 1121 (CABARRUS STATION RD)	FROM MECKLENBURG CO. LINE MP 0.00 TO SR 1117 (BETHEL AVENUE EXT.) MP 1.88	5	NO	1.88	20' - 22'	75	94	3.76			140	2,235	300			154	500							600	640	400		
TOTAL FOR PROJ NO. 10CR.20131.77							1.88		75	94	3.76			140	2,235	300			154	500								600	640	400	
10CR.20131.78	Cabarrus	14	SR 2435 (KLUTZ RD)	FROM SR 1006 (MOUNT PLEASANT RD) MP 4.66 TO SR 2429 (RIMER RD) MP 7.15	5	NO	2.49	20' - 22'	100	125	4.98			110	2,851	375			195	375							500	1,152	720		
TOTAL FOR PROJ NO. 10CR.20131.78							2.49		100	125	4.98			110	2,851	375			195	375									500	1,152	720
10CR.20131.79	Cabarrus	15	SR 1135 (MORRISON RD)	FROM SR 1132 (FLOWES STORE RD) MP 0.00 TO PAVEMENT JOINT EAST OF SR 1134 (PIONEER MILL RD) MP 0.36	5	NO	0.36	20' - 22'	14	18	0.72			110	412	60			29	75								128	80		
TOTAL FOR PROJ NO. 10CR.20131.79							0.36		14	18	0.72			110	412	60			29	75									128	80	
10CR.20131.80	Cabarrus	16	SR 1135 (MORRISON RD)	FROM SR 1134 (PIONEER MILL RD) MP 0.70 TO SR 1136 (LOWER ROCKY RIVER RD) MP 2.19	5	NO	1.49	20' - 22'	60	75	2.98			110	1,706	225			117	225							400	384	240		
TOTAL FOR PROJ NO. 10CR.20131.80							1.49		60	75	2.98			110	1,706	225			117	225									400	384	240
10CR.20131.81	Cabarrus	17	SR 1100 (PINE BLUFF RD)	FROM NC 24/27 MP 8.63 TO STANLY CO. LINE MP 9.82	5,6	NO	1.18	20' - 42'	47	59	2.36		190	120	1,315	350			102	420							100	1,152	720		
TOTAL FOR PROJ NO. 10CR.20131.81							1.18		47	59	2.36		190	120	1,315	350			102	420								100	1,152	720	
10CR.20131.82	Cabarrus	18	SR 2113 (PENNINGER RD)	FROM SR 1002 (OLD SALISBURY/CONCORD RD) MP 0.00 TO SR 1002 (OLD SALISBURY/CONCORD RD) MP 2.97	5	NO	2.97	20' - 22'	119	149	5.94			140	3,484	800			261	1,200							600	1,920	1,200		
TOTAL FOR PROJ NO. 10CR.20131.82							2.97		119	149	5.94			140	3,484	800			261	1,200									600	1,920	1,200
10CR.20131.83	Cabarrus	19	SR 1448 (COX MILL RD)	FROM PAVEMENT JOINT N OF HERRITAGE FARM AVE, MP 0.62 TO PAVEMENT JOINT S OF SCHOOL MP 1.11	5	NO	0.49	23' - 24'	20	25	0.98	710			641	125			47	200							400	256	78		
TOTAL FOR PROJ NO. 10CR.20131.83							0.49		20	25	0.98	710			641	125			47	200								400	256	78	
10CR.20131.84	Cabarrus	20	SR 1448 (COX MILL RD)	FROM PAVEMENT JOINT N OF SCHOOL MP 1.47 TO PAVEMENT JOINT BEFORE SR 1394 (POPLAR TENT RD) MP 2.19	5	NO	0.72	23' - 24'	29	36	1.44			110	942	180			68	300							600	512	320		
TOTAL FOR PROJ NO. 10CR.20131.84							0.72		29	36	1.44			110	942	180			68	300								600	512	320	
GRAND TOTAL							37.92		1,406	1,695	66.13	29,430	8,076	2,540	28,427	4,270	22,871	3,250	3,544	11,535	4	65	3	22	16	10,800	14,720	9,118			

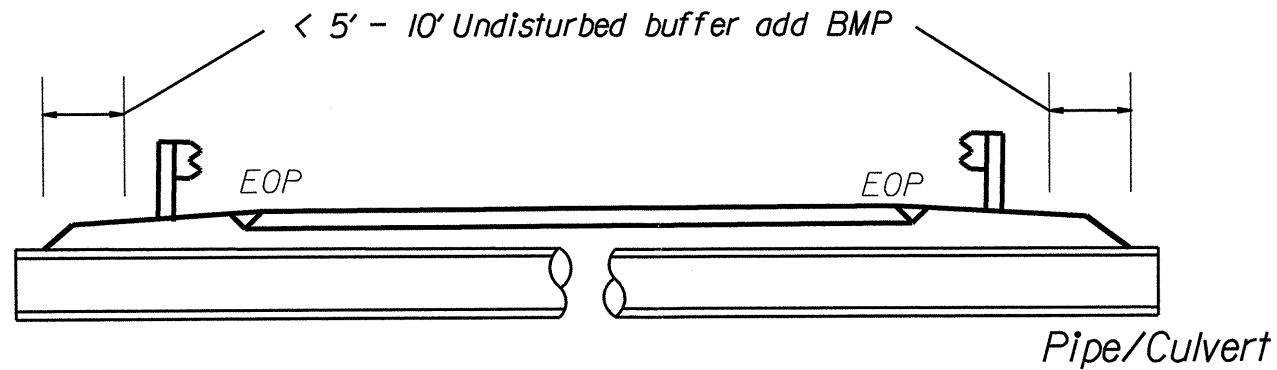


PROJECT REFERENCE NO. <b>CCR103125</b>	SHEET NO. <b>EC-1</b>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

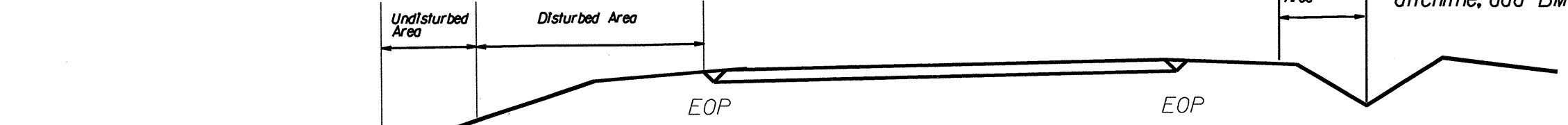
BMP Options: Wattle or Silt Fence

# EROSION CONTROL DETAIL



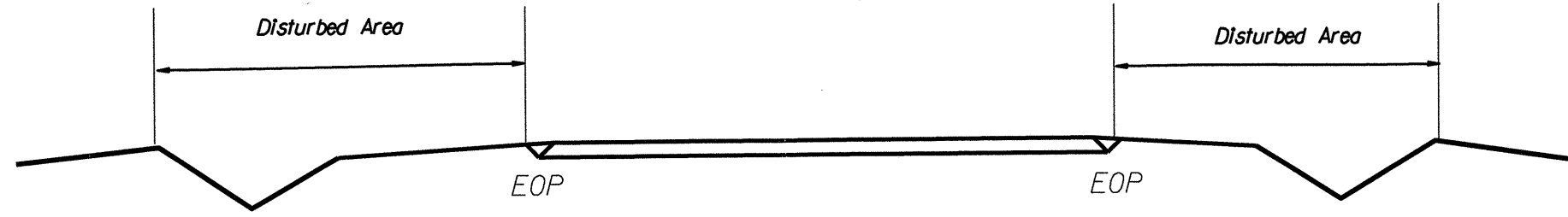
< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP

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

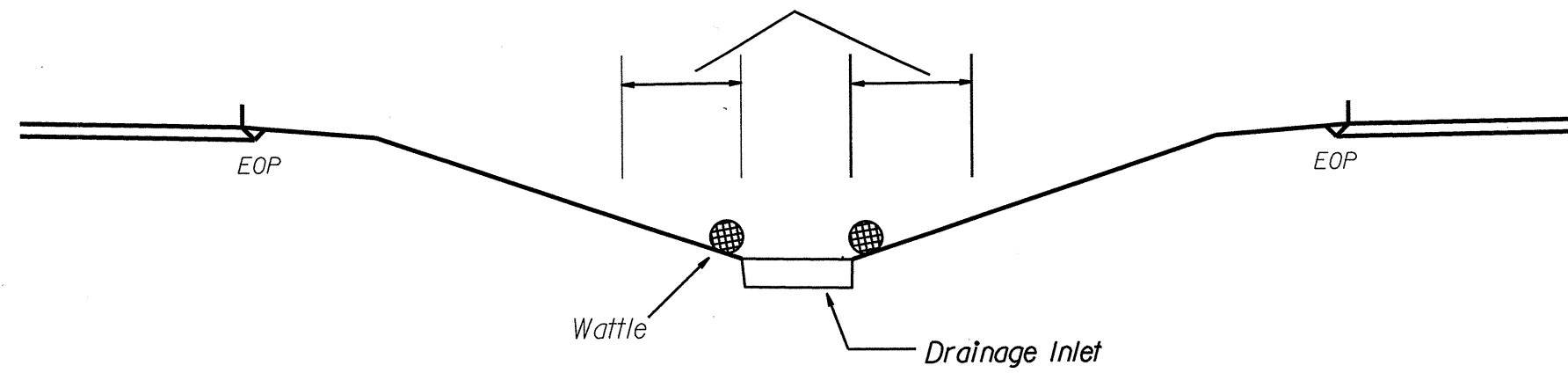


Jurisdictional Feature

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



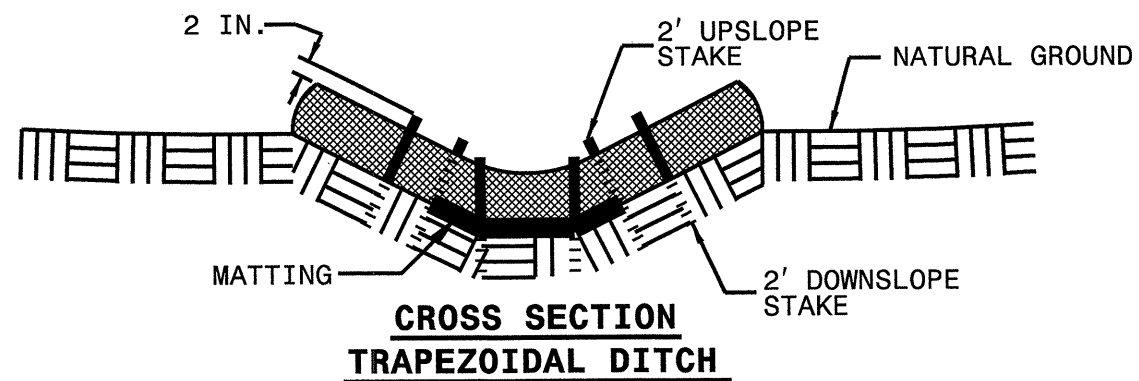
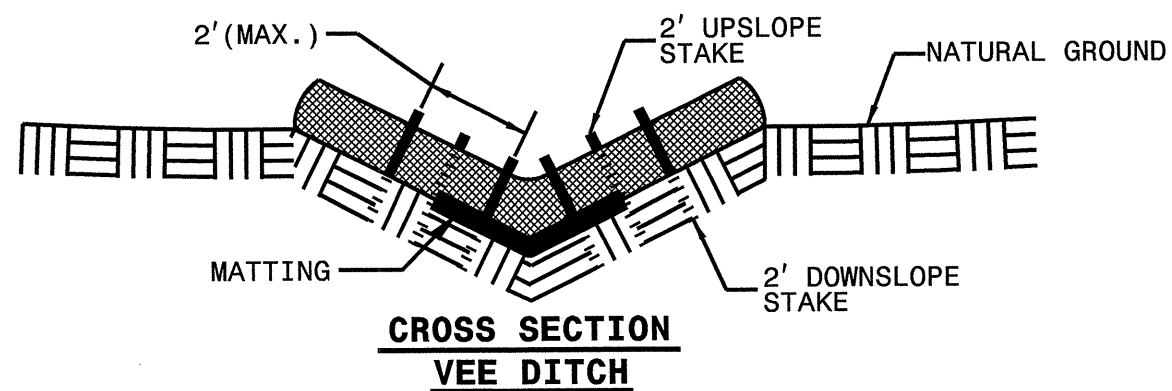
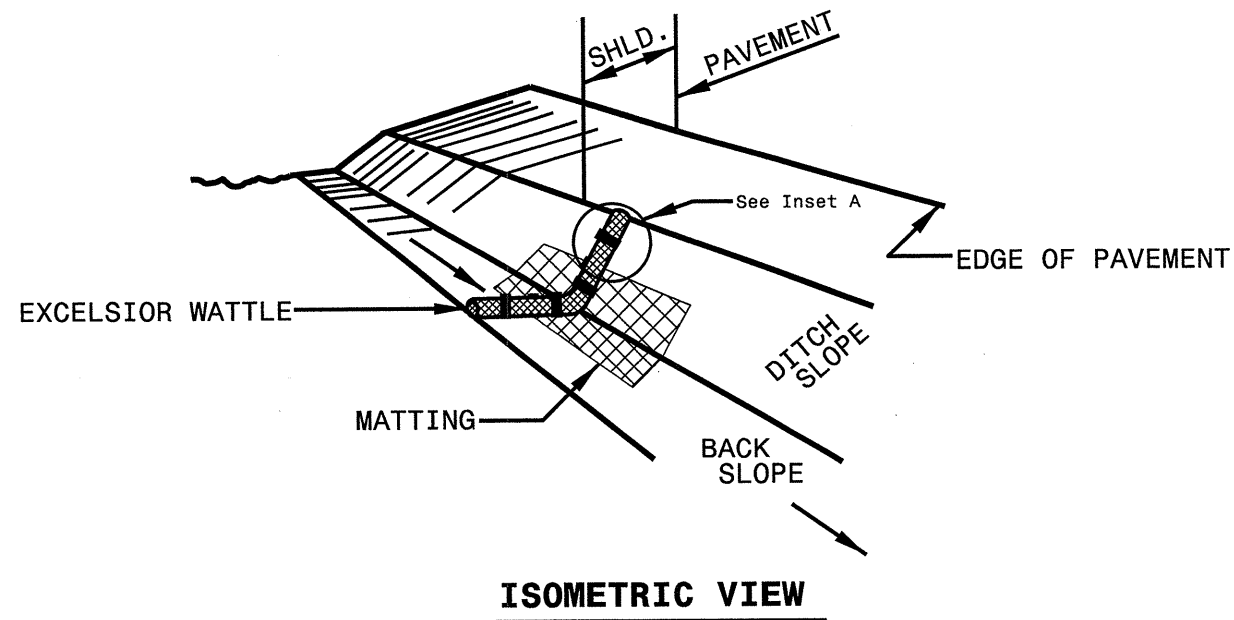
< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE

PROJECT REFERENCE NO. <b>OCR1013125</b>	SHEET NO. <b>EC-2</b>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# WATTLE DETAIL



**NOTES:**

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

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

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

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

