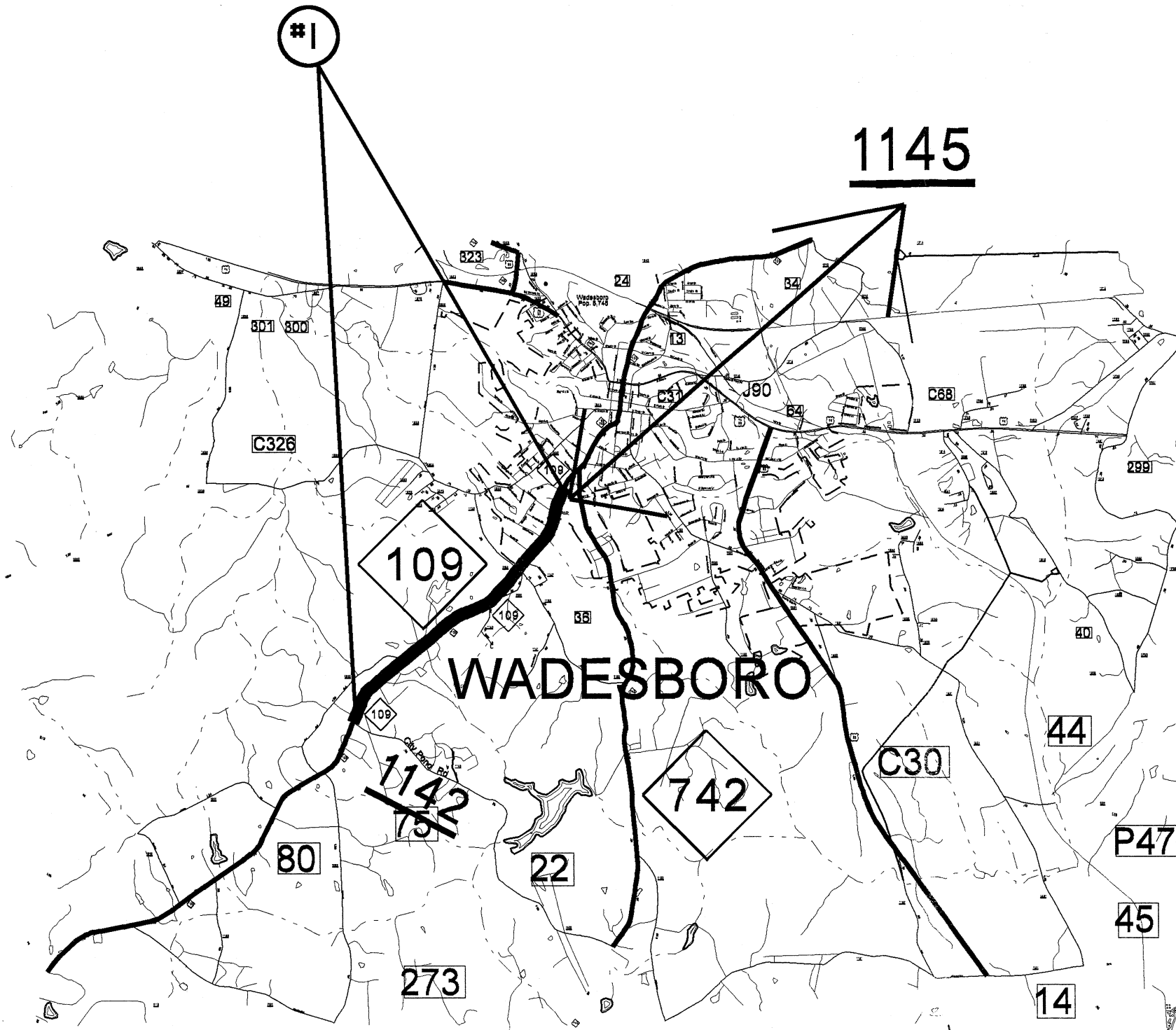


STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	IOCR.10041.52 -.54 / IOCR.20041.39 IOCR.20041.47 -.51 / IOCP.20045.1- .5	1	
F.A. PROJECT NO.			

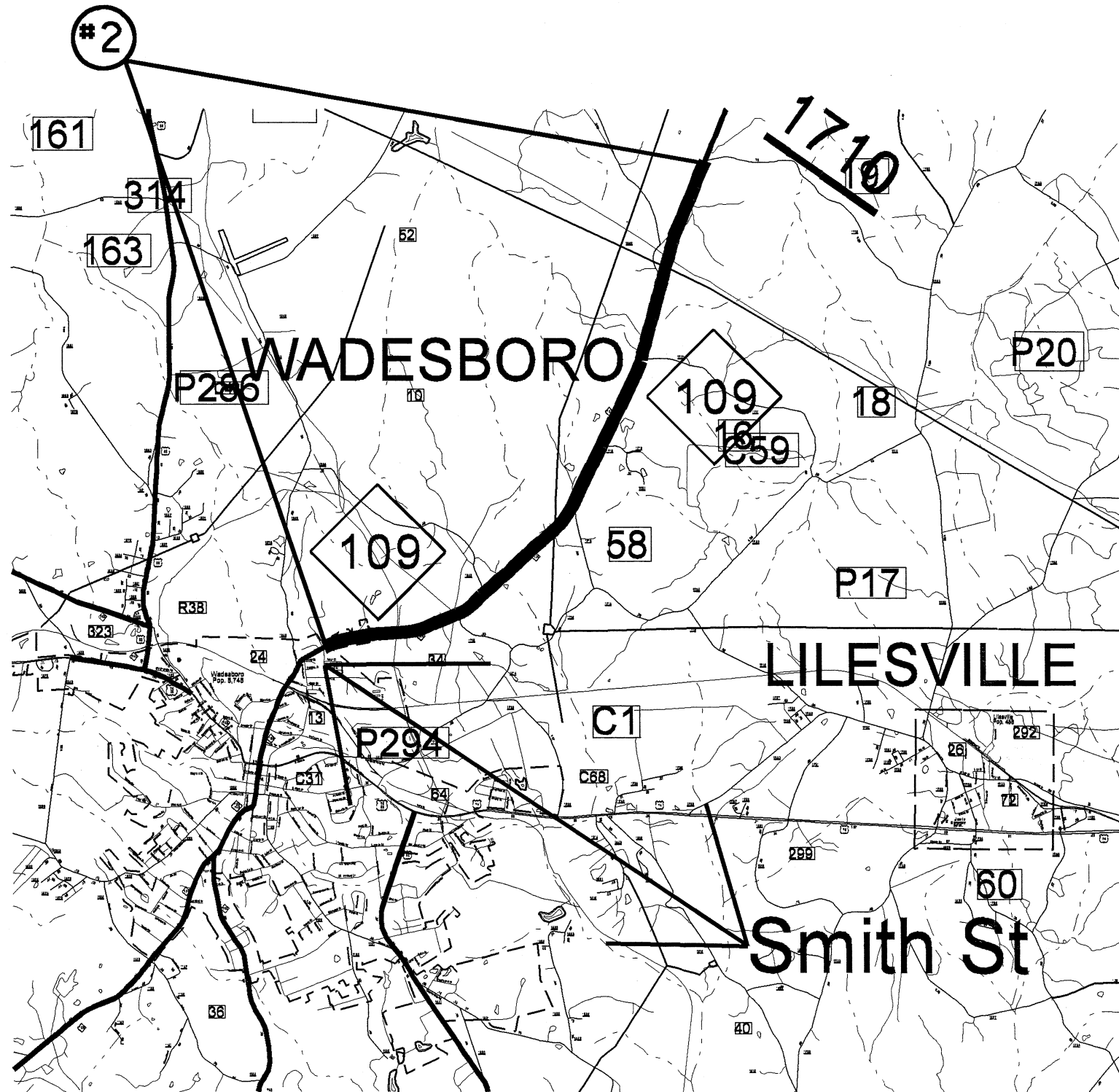


ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**ANSON COUNTY**  
 NORTH CAROLINA  
PREPARED BY THE  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #1 NC 109 SOUTH 2.5 MILES  
 FROM PAVEMENT JOINT @ SR 1142  
 (CITY POND RD)  
 TO PAVEMENT JOINT NORTH OF SR 1145  
 (MARSH AVE)



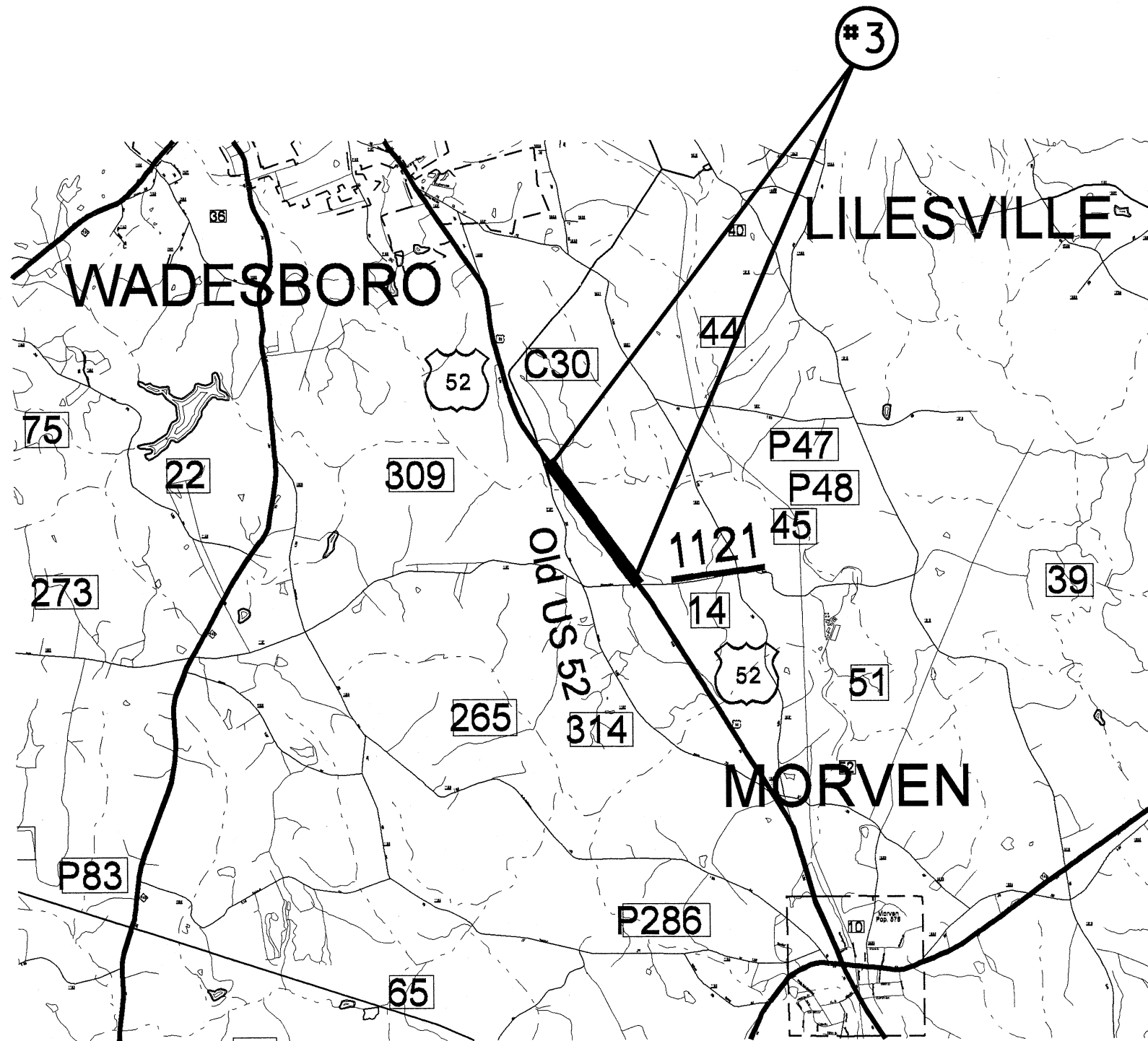
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	IOCR.10041.52 -.54 / IOCR.20041.39 IOCR.20041.47 -.51 / IOCP.20045.1 - .5	2	
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**ANSON COUNTY**  
 NORTH CAROLINA  
PREPARED BY THE  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP # 2 NC 109 NORTH 4.8 MILES  
 FROM PAVEMENT JOINT NORTH OF SMITH STREET  
 TO SR 1710 (ALLEN STREET)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	IOCR.10041.52 -.54 / IOCR.20041.39 IOCR.20041.47 -.51 / IOCP.20045.1 -.5	3	
F.A. PROJECT NO.			

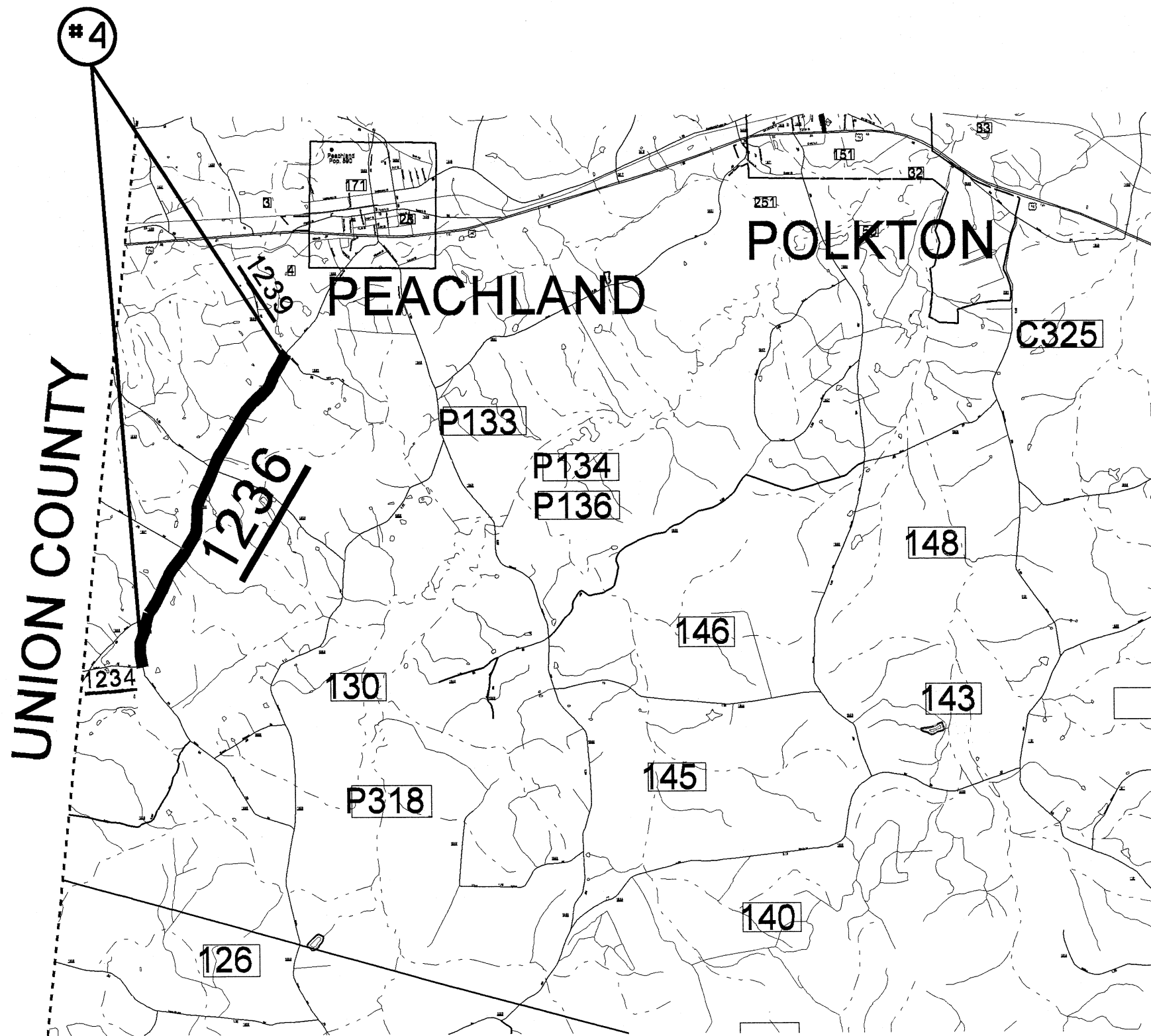


ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**ANSON COUNTY**  
 NORTH CAROLINA  
PREPARED BY THE  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

**MAP #3 US 52 SOUTH 1.1 MILES**

**FROM SR 1127 (OLD US 52 SOUTH) TO PAVEMENT JOINT  
 AT SR 1121 (GATEWOOD STATION ROAD)**

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	IOCR.10041.52 -.54 / IOCR.20041.39 IOCR.20041.47 -.51 / IOCP.20045.1 - .5	4	
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**ANSON COUNTY**  
 NORTH CAROLINA  
PREPARED BY THE  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

**MAP #4 SR 1236 UPPER WHITE STORE ROAD 3.0 MILES**  
**FROM SR 1239 (LANES CREEK ROAD)**  
**TO SR 1234 (STRAWN ROAD)**

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	IOCR.10041.52 -.54 / IOCR.20041.39 IOCR.20041.47 -.51 / IOCP.20045.1 - .5	5	
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS

# ANSON COUNTY

NORTH CAROLINA

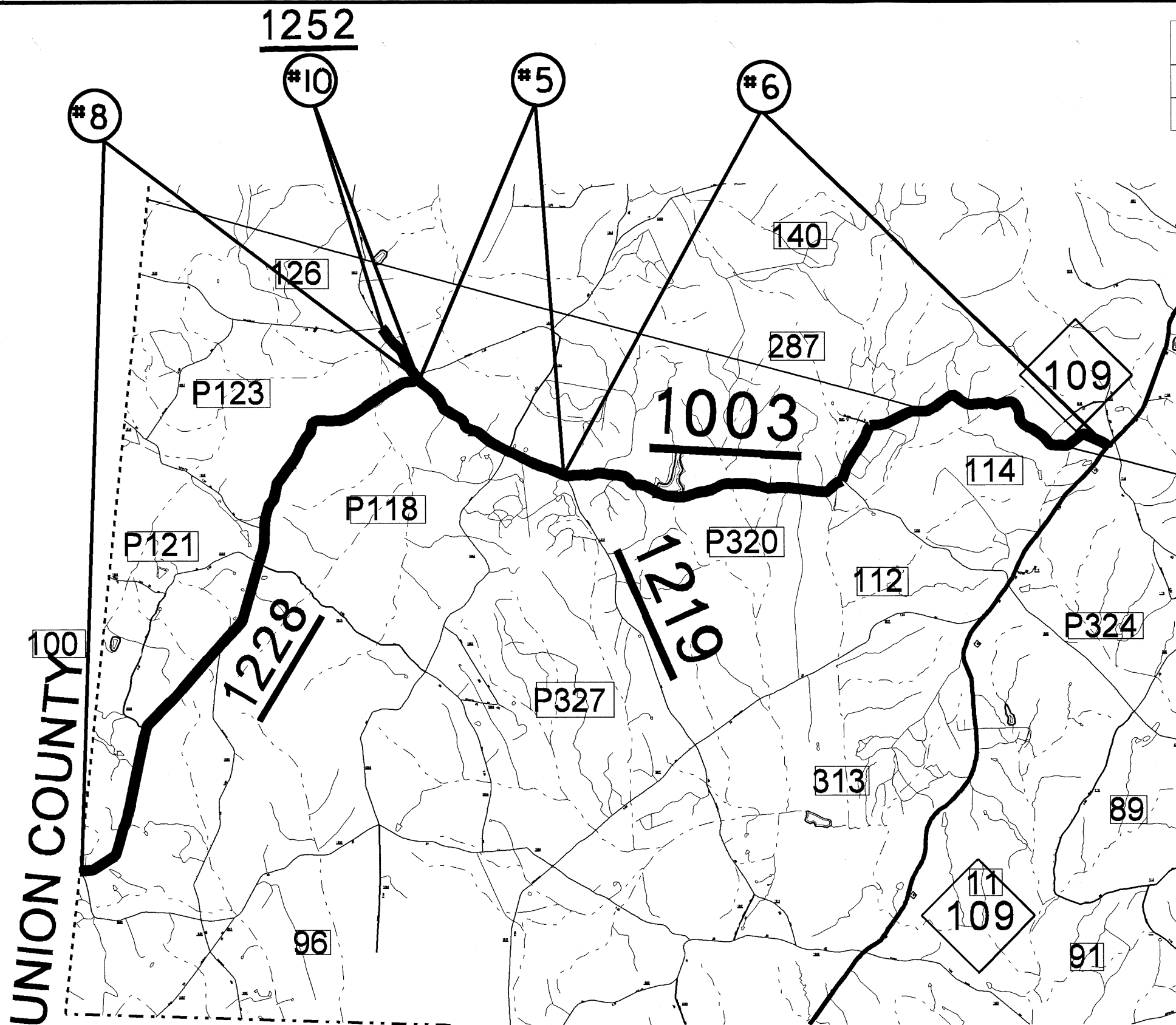
PREPARED BY THE  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #10 SR 1252 LOWER WHITE STORE ROAD  
0.59 MILES  
FROM SR 1003 (MONROE WHITE STORE ROAD)  
TO SR 1228 (WHITE STORE ROAD)

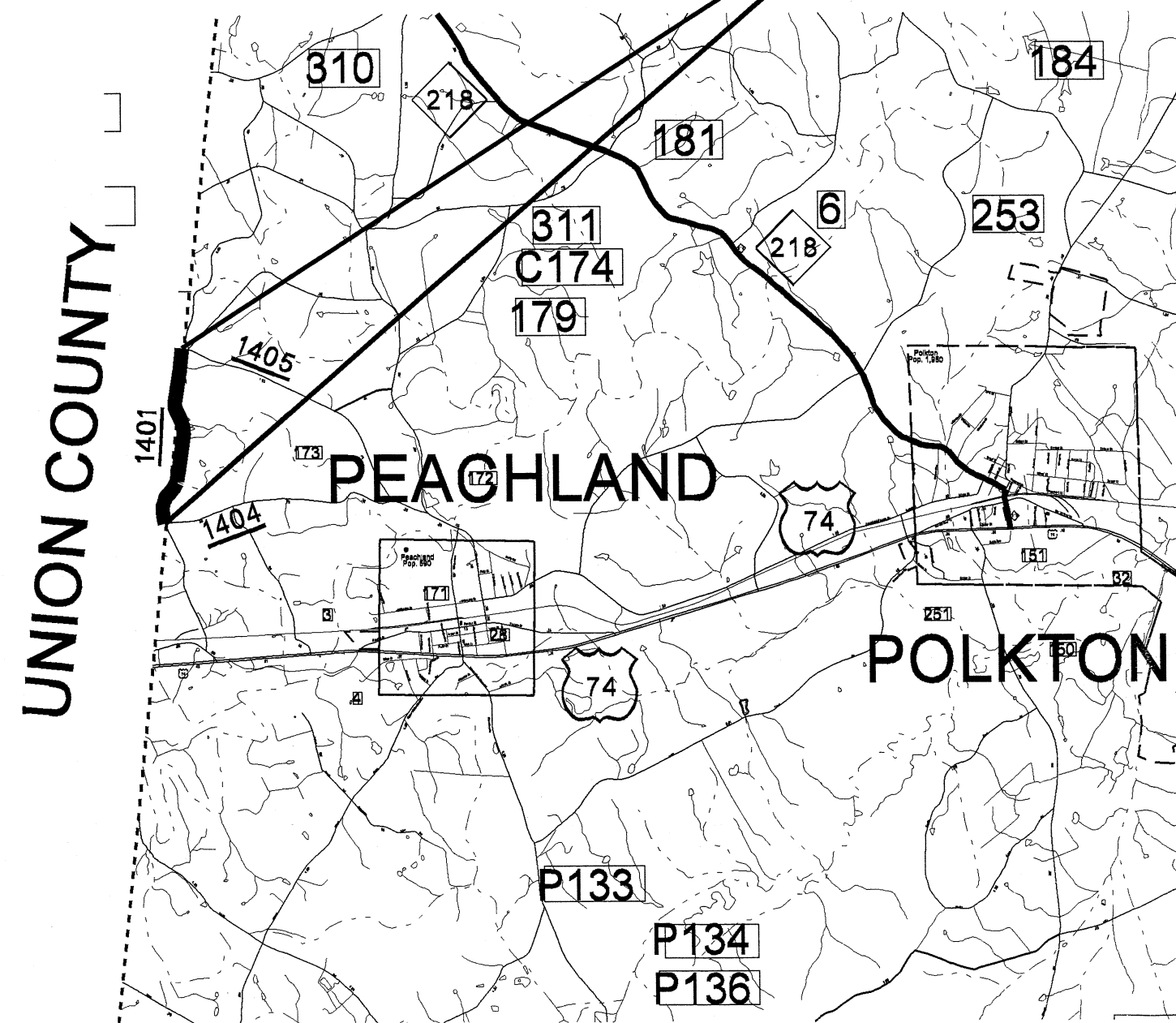
MAP #5 SR 1003 UNION CHURCH ROAD  
1.54 MILES  
FROM SR 1228 (WHITE STORE ROAD)  
TO SR 1219 (JACKSON ROAD)

MAP #6 SR 1003 UNION CHURCH ROAD  
4.3 MILES  
FROM SR 1219 (JACKSON ROAD)  
TO NC 109

MAP #8 SR 1228 WHITE STORE ROAD  
5.6 MILES  
FROM SR 1003 (UNION CHURCH ROAD)  
TO UNION COUNTY LINE



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	IOCR.10041.52 - .54 / IOCR.20041.39 IOCR.20041.47 - .51 / IOCP.20045.1 - .5	6	
F.A. PROJECT NO.			



UNION COUNTY

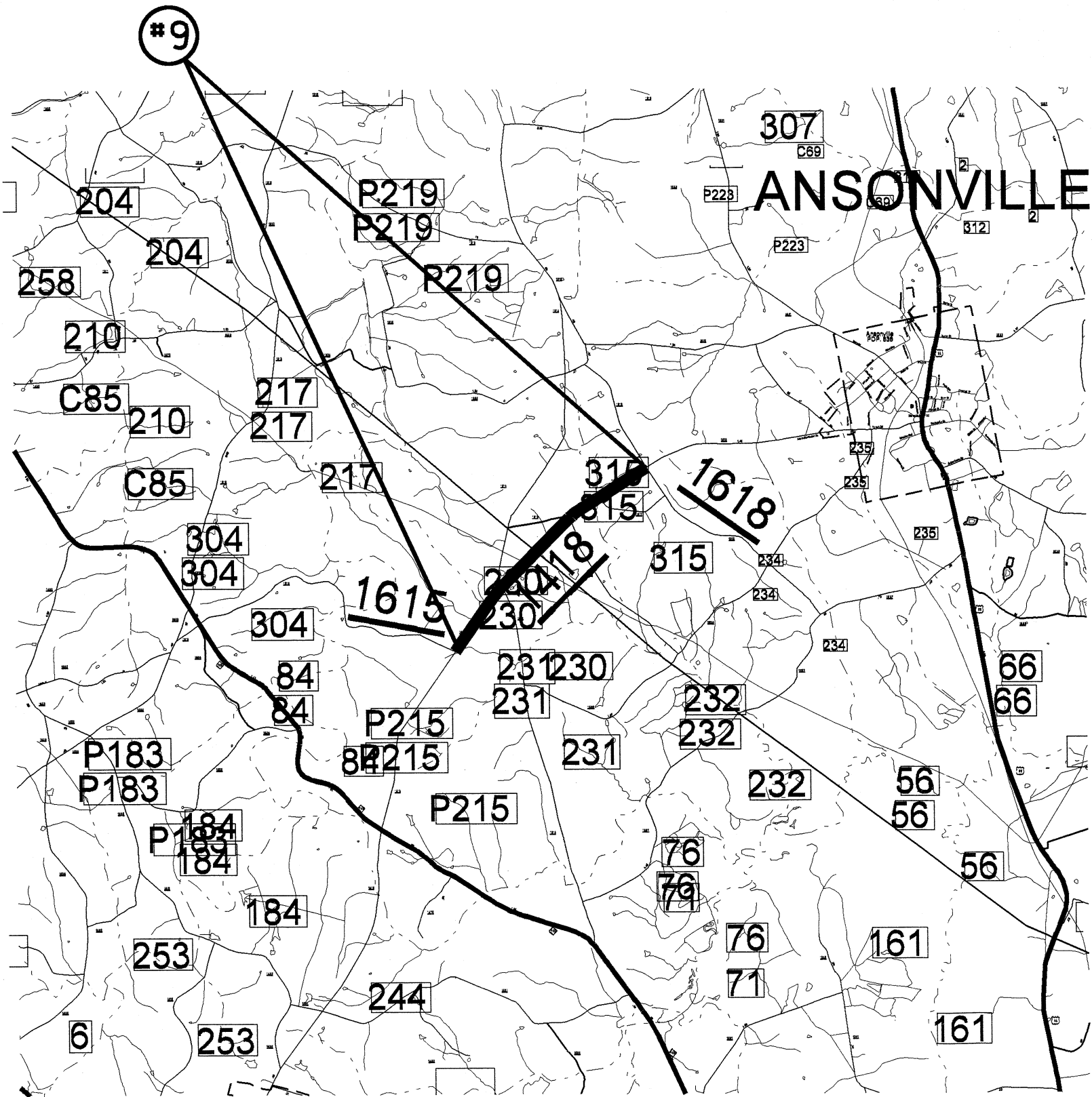


ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**ANSON COUNTY**  
 NORTH CAROLINA  
PREPARED BY THE  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #7 SR 1401 PULPWOOD YARD ROAD 1.16 MILES

FROM SR 1404 (GERMAN HILL ROAD)  
 TO SR 1405 (GOLDMINE ROAD)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	IOCR.10041.52 -.54 / IOCR.20041.39 IOCR.20041.47 -.51 / IO5P.20045.1 - .5	7	
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS

# ANSON COUNTY

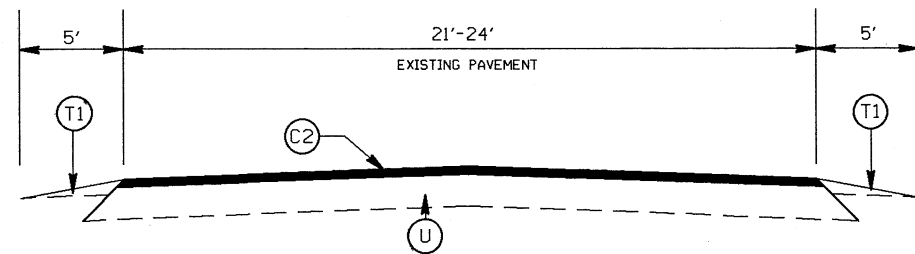
NORTH CAROLINA

PREPARED BY THE  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

**MAP #9 SR 1418 ANSONVILLE-POLKTON ROAD 2.1 MILES**

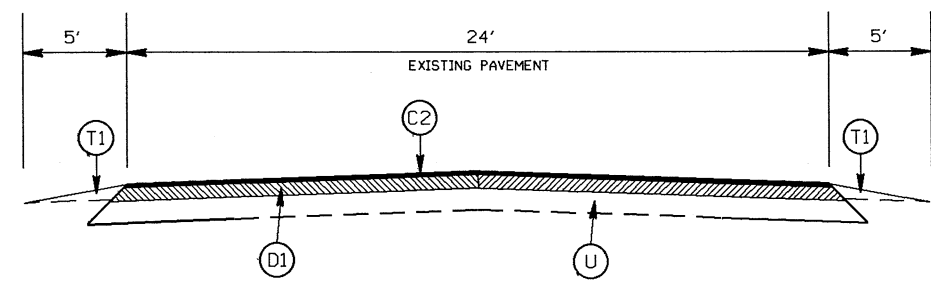
**FROM PAVEMENT JOINT AT SR 1615  
(HIGH ROCK CRUSHER ROAD)  
TO SR 1618 (MARTIN ROAD)**

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.10041.52-.54 / IOCR.20041.3 IOCR.20041.47-.51 / IOSP.20045.1-.5	8	
F.A. PROJECT NO.			



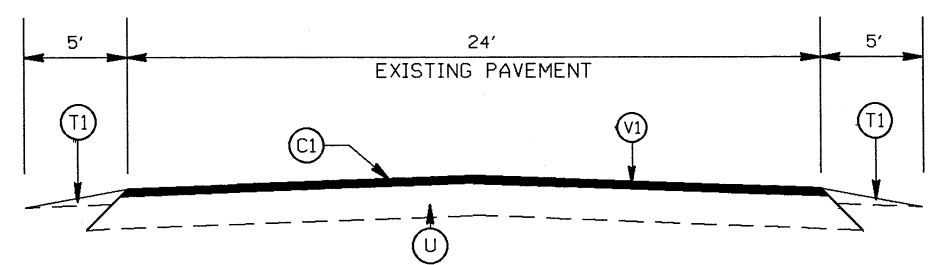
TYPICAL SECTION NO. 1

NC 109 SOUTH (MAP 1)  
NC 109 NORTH (MAP 2) \*SEE NOTE 2



TYPICAL SECTION NO. 2

SR 1418 ANSONVILLE-POLKTON ROAD (MAP 9)



TYPICAL SECTION NO. 3

US 52 SOUTH (MAP 3)

PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C3)	PROP. APPROX. 1.0" ASPHALT CONC. SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
(C4)	PROP. ASPHALT SURFACE TREATMENT TO BE PLACED AT THE END OF EACH DAY'S PRODUCTION.
(D1)	PROP. APPROX. 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(U)	EXISTING PAVEMENT
(T1)	SHOULDER RECONSTRUCTION
(V1)	MILLING OF EXISTING PAVEMENT, 1.5" IN DEPTH.
(Z)	FULL DEPTH RECLAMATION

NOTES:

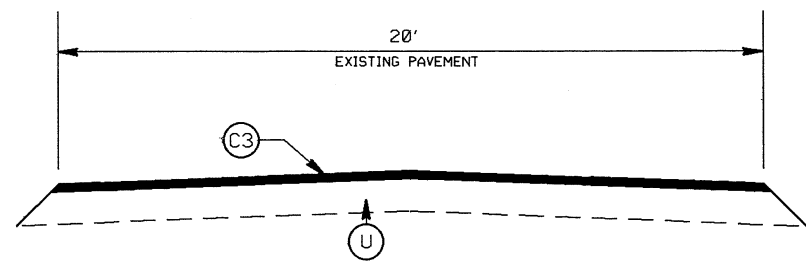
- 1: LEVELING COURSE TO BE PLACED AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- 2: ON MAP 2, DO NOT MILL OR RESURFACE OVER BRIDGE.
- 3: ON MAP 6, 7 and 10, BRIDGE TO BE MILLED 1.0" AND OVERLAID WITH 1.0" SF9.5A
- 4: SHOULDER RECONSTRUCTION WILL BE AS DIRECTED BY THE ENGINEER.
- 5: WIDENING ON MAPS 5, 6, 7, 8 and 10, WITH AGGREGATE BASE COURSE, TO BE DONE BY STATE FORCES.
- 6: FULL DEPTH RECLAMATION AND AST SHALL BE COMPLETED ON MAPS 5, 6, 7, 8 AND 10 PRIOR TO THE ASPHALT OVERLAY WITH SF9.5A.

2015-2016  
ANSON COUNTY RESURFACING

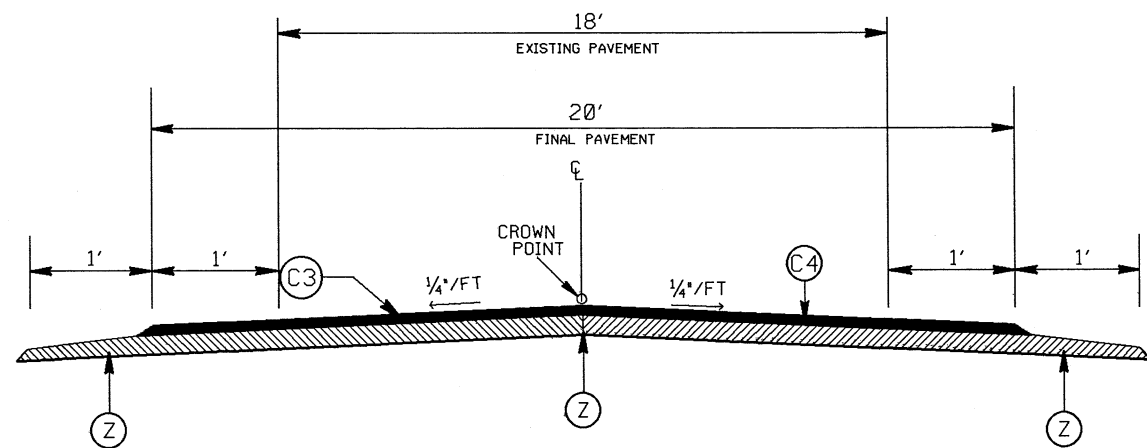
SCALE	-NA-		REVISIONS
DATE	09/14		
DWG. BY	AMO		
DESIGN BY	AMO		
APPROVED	JMU		



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.10041.52-.54 / IOCR.20041.3 IOCR.20041.47-.51 / IOSP.20045.1-.5	9	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 4  
SR 1236 UPPER WHITE STORE (MAP 4)




TYPICAL SECTION NO. 5  
SR 1003 UNION CHURCH ROAD (MAP 5)

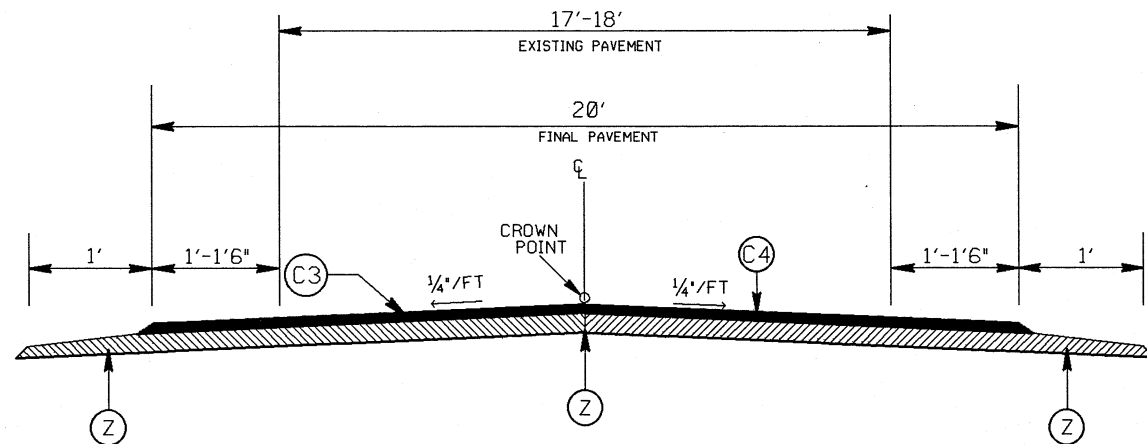
PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C3)	PROP. APPROX. 1.0" ASPHALT CONC. SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
(C4)	PROP. ASPHALT SURFACE TREATMENT TO BE PLACED AT THE END OF EACH DAY'S PRODUCTION.
(D1)	PROP. APPROX. 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(U)	EXISTING PAVEMENT
(T1)	SHOULDER RECONSTRUCTION
(V1)	MILLING OF EXISTING PAVEMENT, 1.5" IN DEPTH.
(Z)	FULL DEPTH RECLAMATION

- NOTES:
- 1: LEVELING COURSE TO BE PLACED AT LOCATIONS AS DIRECTED BY THE ENGINEER.
  - 2: ON MAP 2, DO NOT MILL OR RESURFACE OVER BRIDGE.
  - 3: ON MAP 6, 7 and 10, BRIDGE TO BE MILLED 1.0" AND OVERLAID WITH 1.0" SF9.5"A
  - 4: SHOULDER RECONSTRUCTION WILL BE AS DIRECTED BY THE ENGINEER.
  - 5: WIDENING ON MAPS 5, 6, 7, 8 and 10, WITH AGGREGATE BASE COURSE, TO BE DONE BY STATE FORCES.
  - 6: FULL DEPTH RECLAMATION AND AST SHALL BE COMPLETED ON MAPS 5, 6, 7, 8 AND 10 PRIOR TO THE ASPHALT OVERLAY WITH SF9.5A.

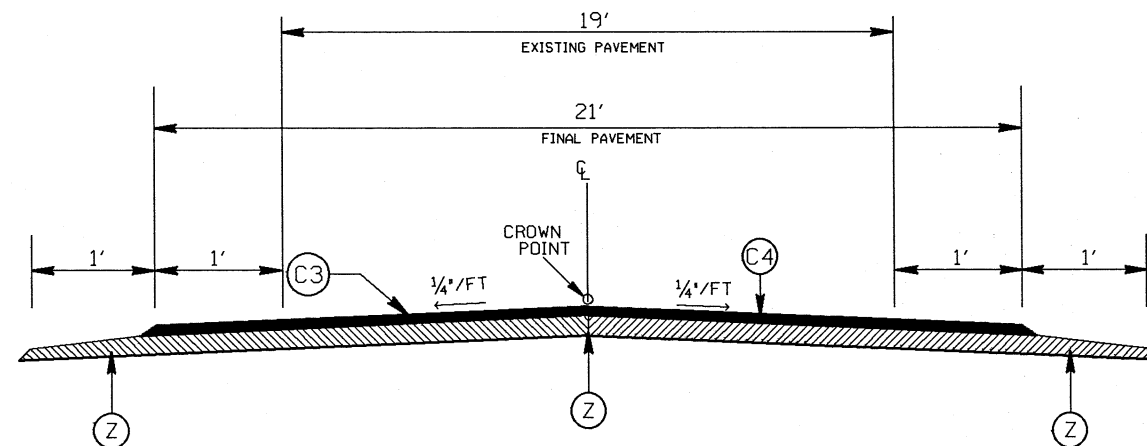
2015-2016 ANSON COUNTY RESURFACING		
SCALE	-NA-	
DATE	09/14	
DWG. BY	AWO	
DESIGN BY	AWO	
APPROVED	JMU	
		REVISIONS

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.10041.52-.54 / IOCR.20041.3 IOCR.20041.47-.51 / IOSP.20045.1-.5	10	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 6

SR 1003 UNION CHURCH ROAD (MAP 6)  
\*SEE NOTE 3



TYPICAL SECTION NO. 7

SR 1401 PULPWOOD YARD ROAD (MAP 7)  
\* SEE NOTE 3

PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C3)	PROP. APPROX. 1.0" ASPHALT CONC. SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
(C4)	PROP. ASPHALT SURFACE TREATMENT TO BE PLACED AT THE END OF EACH DAY'S PRODUCTION.
(D1)	PROP. APPROX. 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(U)	EXISTING PAVEMENT
(T1)	SHOULDER RECONSTRUCTION
(V1)	MILLING OF EXISTING PAVEMENT, 1.5" IN DEPTH.
(Z)	FULL DEPTH RECLAMATION

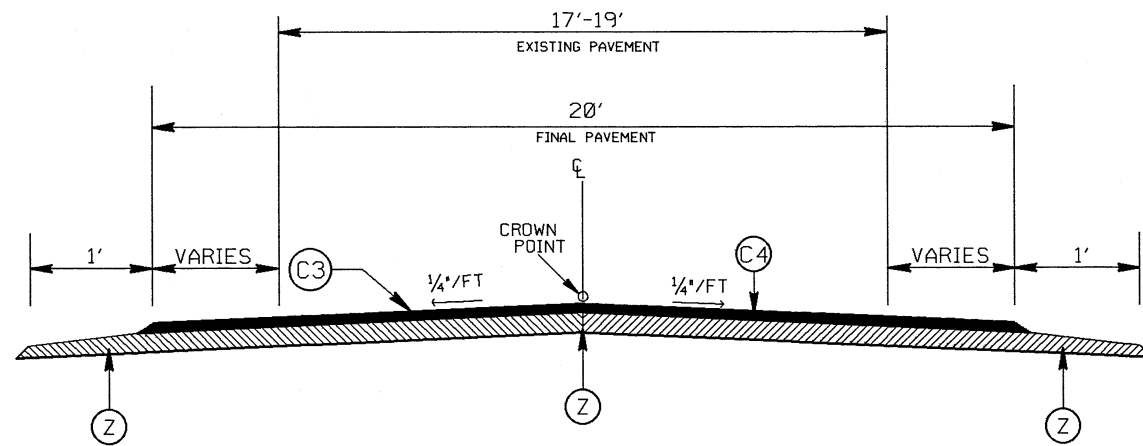
NOTES:

- 1: LEVELING COURSE TO BE PLACED AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- 2: ON MAP 2, DO NOT MILL OR RESURFACE OVER BRIDGE.
- 3: ON MAP 6, 7 and 10, BRIDGE TO BE MILLED 1.0" AND OVERLAID WITH 1.0" SF9.5A
- 4: SHOULDER RECONSTRUCTION WILL BE AS DIRECTED BY THE ENGINEER.
- 5: WIDENING ON MAPS 5, 6, 7, 8 and 10, WITH AGGREGATE BASE COURSE, TO BE DONE BY STATE FORCES.
- 6: FULL DEPTH RECLAMATION AND AST SHALL BE COMPLETED ON MAPS 5, 6, 7, 8 AND 10 PRIOR TO THE ASPHALT OVERLAY WITH SF9.5A.

2015-2016  
ANSON COUNTY RESURFACING

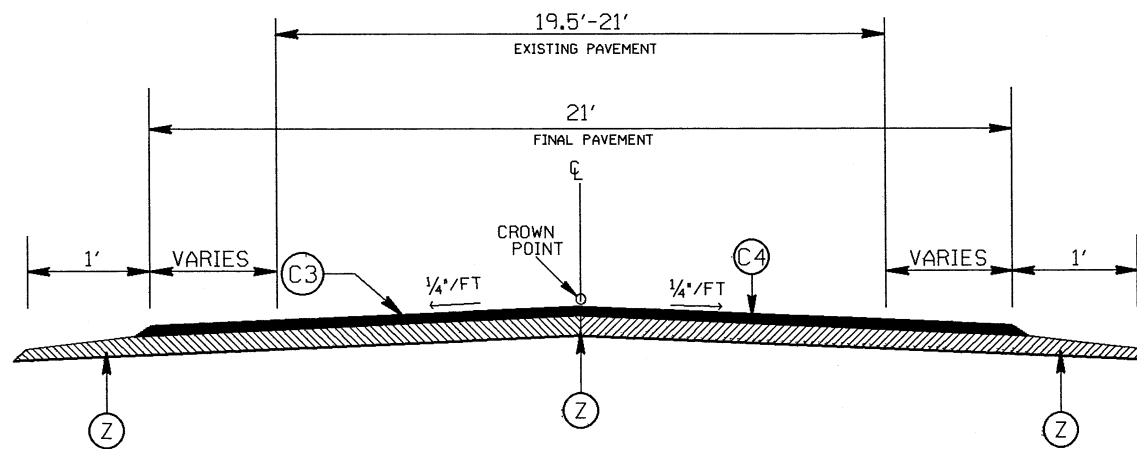
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DATE	9/14		
DWG. BY	AMG		
DESIGN BY	JAB		
APPROVED	JWU		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.10041.52-.54 / IOCR.20041.3 IOCR.20041.47-.51 / IOCP.20045.1-.5	11	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 8

SR 1228 WHITE STORE ROAD (MAP 8)



TYPICAL SECTION NO. 9

SR 1252 LOWER WHITE STORE ROAD (MAP 10)


\*SEE NOTE 3

PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C3)	PROP. APPROX. 1.0" ASPHALT CONC. SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
(C4)	PROP. ASPHALT SURFACE TREATMENT TO BE PLACED AT THE END OF EACH DAY'S PRODUCTION.
(D1)	PROP. APPROX. 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(U)	EXISTING PAVEMENT
(T1)	SHOULDER RECONSTRUCTION
(V1)	MILLING OF EXISTING PAVEMENT, 1.5" IN DEPTH.
(Z)	FULL DEPTH RECLAMATION

NOTES:

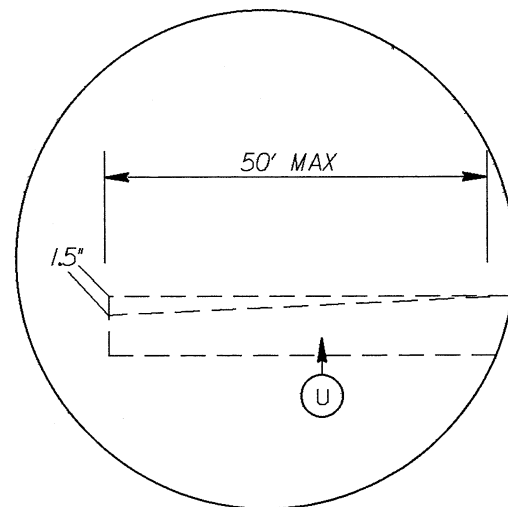
- 1: LEVELING COURSE TO BE PLACED AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- 2: ON MAP 2, DO NOT MILL OR RESURFACE OVER BRIDGE.
- 3: ON MAP 6, 7 and 10, BRIDGE TO BE MILLED 1.0" AND OVERLAID WITH 1.0" SF9.5A
- 4: SHOULDER RECONSTRUCTION WILL BE AS DIRECTED BY THE ENGINEER.
- 5: WIDENING ON MAPS 5, 6, 7, 8 and 10, WITH AGGREGATE BASE COURSE, TO BE DONE BY STATE FORCES.
- 6: FULL DEPTH RECLAMATION AND AST SHALL BE COMPLETED ON MAPS 5, 6, 7, 8 AND 10 PRIOR TO THE ASPHALT OVERLAY WITH SF9.5A.

2015-2016 ANSON COUNTY RESURFACING		
SCALE	-NA-	
DATE	09/14	
DWG. BY	AMO	
DESIGN BY	AMO	
APPROVED	JMU	
		REVISIONS

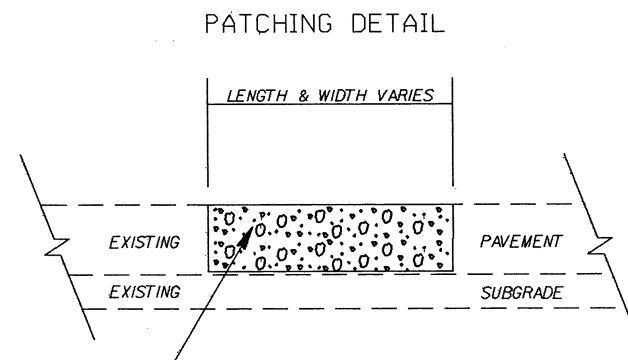
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.10041.52-.54 / IOCR.20041.3 IOCR.20041.47-.51 / IOSP.20045.1-.5	12	
F.A. PROJECT NO.			

### PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C3)	PROP. APPROX. 1.0" ASPHALT CONC. SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
(C4)	PROP. ASPHALT SURFACE TREATMENT TO BE PLACED AT THE END OF EACH DAY'S PRODUCTION.
(D1)	PROP. APPROX. 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(U)	EXISTING PAVEMENT
(T1)	SHOULDER RECONSTRUCTION
(V1)	MILLING OF EXISTING PAVEMENT, 1.5" IN DEPTH.
(Z)	FULL DEPTH RECLAMATION



DETAIL FOR INCIDENTAL MILLING (0" TO 1.5")



RATE IS VARIABLE AND SHALL BE AS DIRECTED BY THE ENGINEER. ASPHALT TYPE I19.0C SHALL BE PLACED.

#### NOTES:

- 1: LEVELING COURSE TO BE PLACED AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- 2: ON MAP 2, DO NOT MILL OR RESURFACE OVER BRIDGE.
- 3: ON MAP 6,7 and 10, BRIDGE TO BE MILLED 1.0" AND OVERLAID WITH 1.0" SF9.5A
- 4: SHOULDER RECONSTRUCTION WILL BE AS DIRECTED BY THE ENGINEER.
- 5: WIDENING ON MAPS 5,6,7,8 and 10, WITH AGGREGATE BASE COURSE, TO BE DONE BY STATE FORCES.
- 6: FULL DEPTH RECLAMATION AND AST SHALL BE COMPLETED ON MAPS 5,6,7,8 AND 10 PRIOR TO THE ASPHALT OVERLAY WITH SF9.5A.

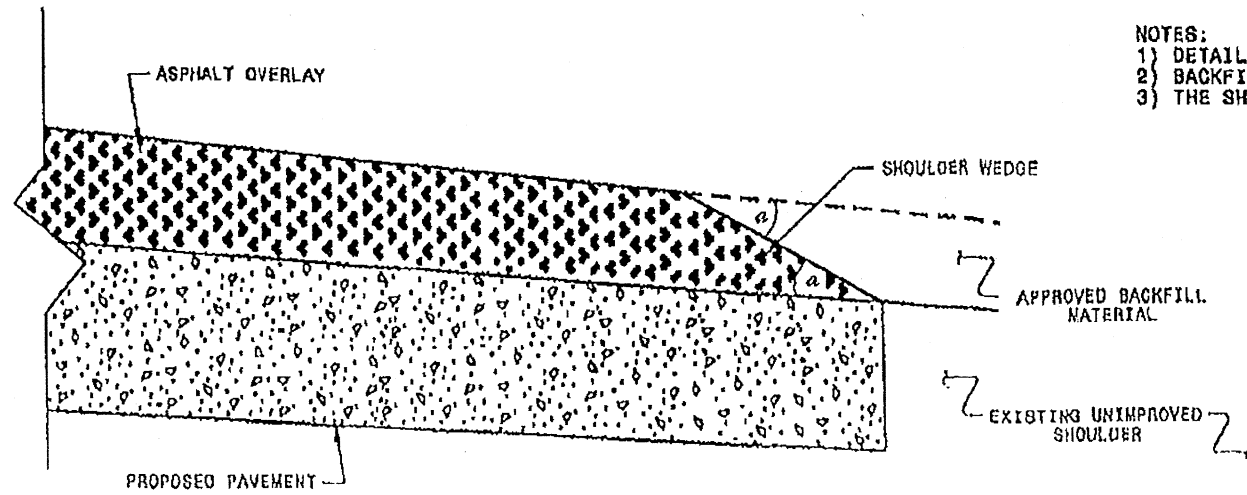
2015-2016 ANSON COUNTY RESURFACING		
SCALE	-NA-	REVISIONS
DATE	09/14	
DWG. BY	AMO	
DESIGN BY	AMO	
APPROVED	JWU	



10CR.10041.52-.54/10CR.20041.39  
 10CR.20041.47-.51/10SP.20045.1-5

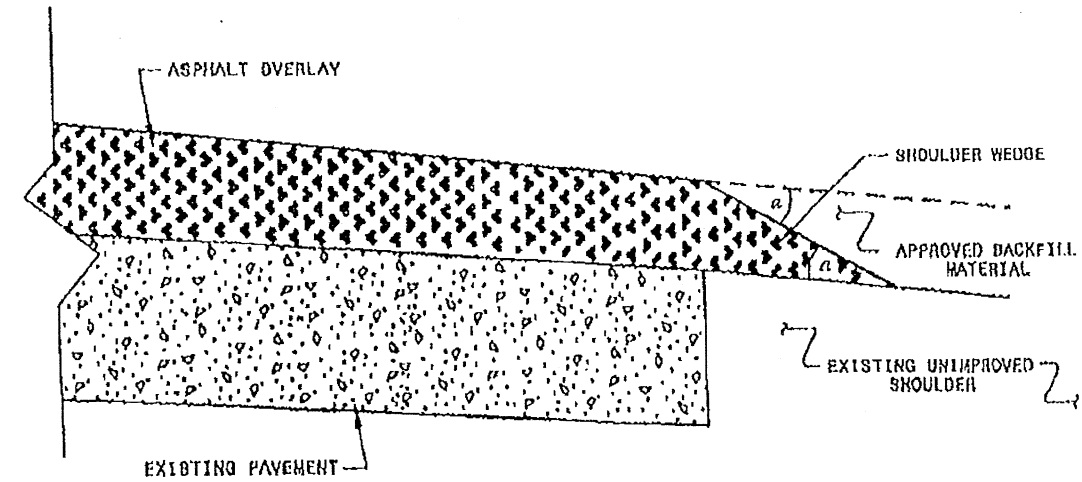
13

- NOTES:  
 1) DETAIL DOES NOT APPLY TO OQAFIC 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.



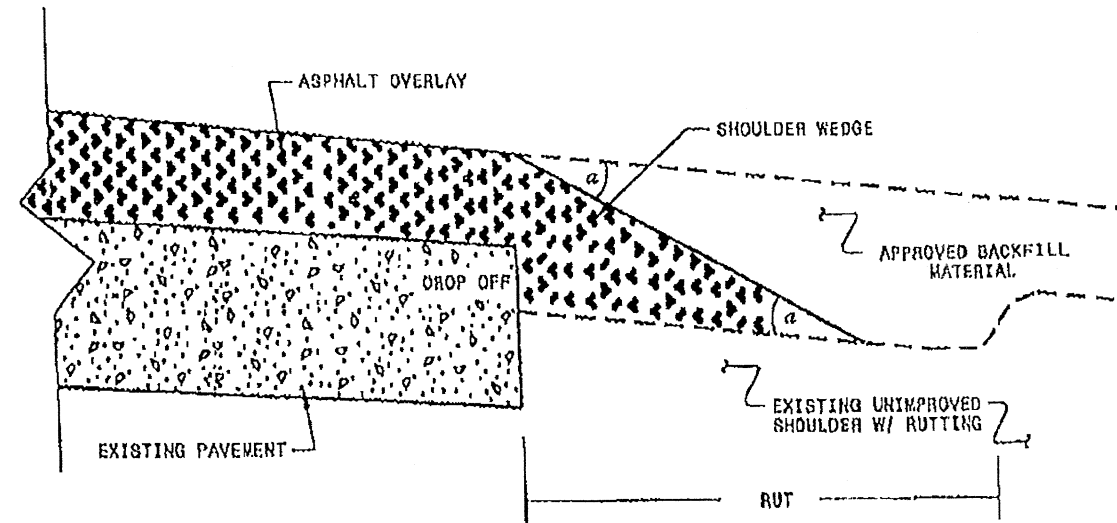
**SHOULDER WEDGE DETAIL**

(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 819-707-6950 FAX 819-780-4119			
<b>SHOULDER WEDGE DETAILS</b>			
ORIGINAL BY:	T.M.E.	DATE:	1-18-11
MODIFIED BY:		DATE:	11/11/11
CHECKED BY:		DATE:	
FILE #PEG:	S:\2010\10041\10041-52-54\10041-52-54.dwg		

C:\Users\james\Documents\DWG\FACILITY\Facility-Design-Details\Shoulder-Wedge-Details\Shoulder-Wedge-Details.dwg  
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PROJECT NO.	SHEET NO.	TOTAL NO.
10CR.10041.52-54, 10CR.20041.39, 10CR.20041.47-51, 10SP.20045.1-5	14	

**SUMMARY OF QUANTITIES**

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	BORROW CY	SOIL CEMENT BASE SY	PORTLAND CEMENT FOR SOIL CEMENT BASE TON	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SMI	1 1/2" MILLING SY	1" MILLING SY	INCIDENTAL MILLING SY	INTER-MEDIATE COURSE, I19.08 TONS	SURFACE COURSE, S9.5B TONS	LEVELING COURSE, S9.5B TONS	SURFACE COURSE, S9.5C TONS	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A (LEVELING COURSE) TON	ASPHALT BINDER FOR PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	ASPHALT SURFACE TREATMENT, SPLIT SEAL SY	6" DRIVEWAYS SY	ADJ. OF MANHOLES EA	ADJ. OF METER OR VALVE BOX EA	TEMP. SILT FENCE LF	STONE FOR EROSION CONTROL, CLASS B TN	SEDIMENT CONTROL STONE TN	WATTLE LF	POLY-ACRYLAMIDE (PAM) LB					
10CR.10041.52	Anson	1	NC 109 SOUTH	FROM PAVEMENT JOINT @ SR 1142 (CITY POND RD) TO PAVEMENT JOINT NORTH OF SR 1145 (MARSH AVE.) MILEPOST 10.5 TO 13		1	2	ZWU	NO	NO	2.5	21	458		763	5.00					3,139	1,100				260	1,375		125	1	1	375	50	25	375	1					
10CR.10041.53	Anson	2	NC 109 NORTH	FROM PAVEMENT JOINT NORTH OF SMITH STREET TO SR 1710 (ALLEN STREET) MILEPOST 19.7 TO 14.9		1	2	ZWU	NO	NO	4.8	24	880		1,656	9.60					6,418	1,848				505	2,429		100			720	96	48	720	2					
10CR.10041.54	Anson	3	US 52 SOUTH	FROM SR 1127 OLD US 52 SOUTH TO PAVEMENT JOINT @ SR 1121 GATEWOOD STATION ROAD MILEPOST 5.7 TO 6.8		3	2	ZWU	NO	NO	1.1	24	202		28	2.20	15,488							1,432		84	605					165	22	11	165	1					
10CR.20041.39	Anson	4	SR 1236 UPPER WHITE STORE ROAD	FROM SR 1239 (LANES CREEK ROAD) TO SR 1234 (STRAWN ROAD) MILEPOST 4.6 TO 1.6		4	2	ZWU	NO	NO	3	20												2,256		151															
10CR.20041.47	Anson	5	SR 1003 UNION CHURCH ROAD	FROM SR 1228 (WHITE STORE ROAD) TO SR 1219 (JACKSON ROAD) MILEPOST 2.8 TO 4.34		5	2	ZWU	NO	NO	1.54	18			70									1,157		78						462	47	24	462	1					
10CR.20041.47	Anson	6	SR 1003 UNION CHURCH ROAD	FROM SR 1219 (JACKSON ROAD) TO (NC 109) MILEPOST 4.3 TO 8.6		6	2	ZWU	NO	NO	4.3	17.5			339		45	222						3,097		207						1,290	129	65	1,290	3					
10CR.20041.48	Anson	7	SR 1401 PULPWOOD YARD ROAD	FROM SR 1404 GERMAN HILL ROAD TO SR 1405 (GOLDMINE ROAD) MILEPOST 0.9 TO 2.1		7	2	ZWU	NO	NO	1.16	19			53		120	467						1,007	50	70				100			348	35	18	348	1				
10CR.20041.49	Anson	8	SR 1228 WHITE STORE ROAD	FROM SR 1003 UNION CHURCH ROAD TO UNION COUNTY LINE MILEPOST 5.6 TO 0		8	2	ZWU	NO	NO	5.6	18			728									4,086		274						1,680	168	84	1,680	4					
10CR.20041.50	Anson	9	SR 1418 ANSONVILLE/POLKTON ROAD	FROM PAVEMENT JOINT @ SR 1615 (HIGH ROCK CRUSHER ROAD) TO SR 1618 (MARTIN ROAD) MILEPOST 4.3 TO 2.2		2	2	ZWU	YES	NO	2.1	24	1,027		158	4.20				340	4,635	2,887				396	1,155		25			315	42	21	315	1					
10CR.20041.51	Anson	10	SR 1252 LOWER WHITE STORE ROAD	FROM SR 1003 MONROE WHITE STORE ROAD TO SR 1228 (WHITE STORE ROAD) MILEPOST 2.2 TO 2.8		9	2	ZWU	NO	NO	0.59	20			3		372							505		34						89	12	6	89	1					
10SP.20045.1	Anson	10	SR 1252 LOWER WHITE STORE ROAD	FROM SR 1003 MONROE WHITE STORE ROAD TO SR 1228 (WHITE STORE ROAD) MILEPOST 2.2 TO 2.8		9	2	ZWU	NO	NO	0.59	20		7,923	286													7,233													
10SP.20045.2	Anson	5	SR 1003 UNION CHURCH ROAD	FROM SR 1228 (WHITE STORE ROAD) TO SR 1219 (JACKSON ROAD) MILEPOST 2.8 TO 4.34		5	2	ZWU	NO	NO	1.54	18		19,825	714													18,023													
10SP.20045.3	Anson	6	SR 1003 UNION CHURCH ROAD	FROM SR 1219 (JACKSON ROAD) TO (NC 109) MILEPOST 4.3 TO 8.6		6	2	ZWU	NO	NO	4.3	17.5		55,499	2,000													50,454													
10SP.20045.4	Anson	7	SR 1401 PULPWOOD YARD ROAD	FROM SR 1404 GERMAN HILL ROAD TO SR 1405 (GOLDMINE ROAD) MILEPOST 0.9 TO 2.1		7	2	ZWU	NO	NO	1.16	19		15,717	488													14,350													
10SP.20045.5	Anson	8	SR 1228 WHITE STORE ROAD	FROM SR 1003 UNION CHURCH ROAD TO UNION COUNTY LINE MILEPOST 5.6 TO 0		8	2	ZWU	NO	NO	5.6	18		72,278	1,518													65,707													
<b>GRAND TOTAL</b>																																									
										39.9		2,567	171,242	5,006	3,798	21.0	15,488	537	2,720	4,635	12,444	2,948	1,432	12,108	50	2,059	5,564	155,767	350	1	1	5,444	601	302	5,444	15					

\*\*\* FULL DEPTH RECLAMATION TO BE COMPLETED ON MAPS 5,6,7,8 AND 10 PRIOR TO OVERLAY WITH SF9.5A.

PROJECT NO.	SHEET NO.	TOTAL NO.
10CR.10041.52-54, 10CR.20041.39, 10CR.20041.47- .51, 10SP.20045.1-5	15	

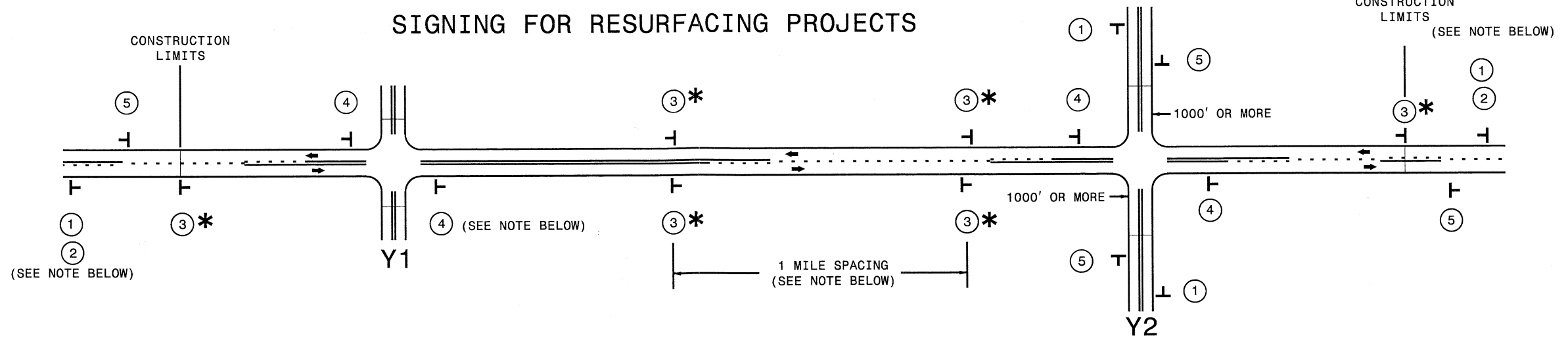
## THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4685000000-E	4686000000-E	4710000000-E	4810000000-E	4900000000-N							
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING SF	TEMPORARY TRAFFIC CONTROL LS	4" X 90 M WHITE THERMO LF	4" X 120 M YELLOW THERMO LF	24" X 120 M WHITE THERMO LF	4" YELLOW PAINT LF	YELLOW & YELLOW MARKERS EA	CYAN & RED MARKERS EA						
10CR.10041.52	Anson	1	NC 109 SOUTH	FROM PAVEMENT JOINT @ SR 1142 (CITY POND RD) TO PAVEMENT JOINT NORTH OF SR 1145 (MARSH AVE.) MILEPOST 10.5 TO 13	1	2	2WU	2.5	21	299.0	*	26,505	24,430	156		164	6						
																170							
10CR.10041.53	Anson	2	NC 109 NORTH	FROM PAVEMENT JOINT NORTH OF SMITH STREET TO SR 1710 (ALLEN STREET) MILEPOST 19.7 TO 14.9	1	2	2WU	4.8	24	299.0	*	50,660	39,897			317							
																317							
10CR.10041.54	Anson	3	US 52 SOUTH	FROM SR 1127 OLD US 52 SOUTH TO PAVEMENT JOINT @ SR 1121 GATEWOOD STATION ROAD MILEPOST 5.7 TO 6.8	3	2	2WU	1.1	24	299.0	*	11,616	7,751		11,616	73							
																73							
10CR.20041.39	Anson	4	SR 1236 UPPER WHITE STORE ROAD	FROM SR 1239 (LANES CREEK ROAD) TO SR 1234 (STRAWN ROAD) MILEPOST 4.6 TO 1.6	4	2	2WU	3	20	299.0	*												
10CR.20041.47	Anson	5	SR 1003 UNION CHURCH ROAD	FROM SR 1228 (WHITE STORE ROAD) TO SR 1219 (JACKSON ROAD) MILEPOST 2.8 TO 4.34	5	2	2WU	1.54	18	299.0	*												
10CR.20041.47	Anson	6	SR 1003 UNION CHURCH ROAD	FROM SR 1219 (JACKSON ROAD) TO (NC 109) MILEPOST 4.3 TO 8.6	6	2	2WU	4.3	17.5	299.0	*												
10CR.20041.48	Anson	7	SR 1401 PULPWOOD YARD ROAD	FROM SR 1404 GERMAN HILL ROAD TO SR 1405 (GOLDMINE ROAD) MILEPOST 0.9 TO 2.1	7	2	2WU	1.16	19	299.0	*												
10CR.20041.49	Anson	8	SR 1228 WHITE STORE ROAD	FROM SR 1003 UNION CHURCH ROAD TO UNION COUNTY LINE MILEPOST 5.6 TO 0	8	2	2WU	5.6	18	299.0	*												
10CR.20041.50	Anson	9	SR 1418 ANSONVILLE/POLKTON ROAD	FROM PAVEMENT JOINT @ SR 1615 (HIGH ROCK CRUSHER ROAD) TO SR 1618 (MARTIN ROAD) MILEPOST 4.3 TO 2.2	2	2	2WU	2.1	24	299.0	*												
10CR.20041.51	Anson	10	SR 1252 LOWER WHITE STORE ROAD	FROM SR 1003 MONROE WHITE STORE ROAD TO SR 1228 (WHITE STORE ROAD) MILEPOST 2.2 TO 2.8	9	2	2WU	0.59	20	299.0	*												
10SP.20045.1	Anson	10	SR 1252 LOWER WHITE STORE ROAD	FROM SR 1003 MONROE WHITE STORE ROAD TO SR 1228 (WHITE STORE ROAD) MILEPOST 2.2 TO 2.8	9	2	2WU	0.59	20														
10SP.20045.2	Anson	5	SR 1003 UNION CHURCH ROAD	FROM SR 1228 (WHITE STORE ROAD) TO SR 1219 (JACKSON ROAD) MILEPOST 2.8 TO 4.34	5	2	2WU	1.54	18														
10SP.20045.3	Anson	6	SR 1003 UNION CHURCH ROAD	FROM SR 1219 (JACKSON ROAD) TO (NC 109) MILEPOST 4.3 TO 8.6	6	2	2WU	4.3	17.5														
10SP.20045.4	Anson	7	SR 1401 PULPWOOD YARD ROAD	FROM SR 1404 GERMAN HILL ROAD TO SR 1405 (GOLDMINE ROAD) MILEPOST 0.9 TO 2.1	7	2	2WU	1.16	19														
10SP.20045.5	Anson	8	SR 1228 WHITE STORE ROAD	FROM SR 1003 UNION CHURCH ROAD TO UNION COUNTY LINE MILEPOST 5.6 TO 0	8	2	2WU	5.6	18														
<b>GRAND TOTAL</b>																<b>554</b>	<b>6</b>						
																<b>39.9</b>	<b>2,990</b>	<b>1</b>	<b>88,781</b>	<b>72,078</b>	<b>156</b>	<b>11,616</b>	<b>560</b>

\*\*\* FULL DEPTH RECLAMATION TO BE COMPLETED ON MAPS 5,6,7,8 AND 10 PRIOR TO OVERLAY WITH SF9.5A.

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.10041.52-.54 / IOCR.20041.39 IOCR.20041.47-.51 / IOSP.20045.1-.5	TMP-1	

## SIGNING FOR RESURFACING PROJECTS



LEGEND	
	STATIONARY SIGN
	DIRECTION OF TRAFFIC FLOW

### MAINLINE (-L-) SIGNING

### -Y- LINE SIGNING

<b>SIGNING NOTES AND PLACEMENT PER DIRECTION</b>	①		PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.		
	②		#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)		
	③*		PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.		
	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.		
	⑤		PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.		

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

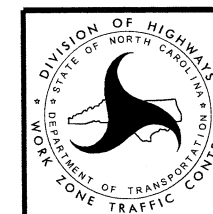
WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.



PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.

### \* SIGNING FOR ASPHALT SURFACE TREATMENTS (ONLY)

SUBSTITUTE LOW/SOFT SHOULDER SIGNS BY ALTERNATING THE FOLLOWING TWO SIGNS:  
STARTING WITH "UNMARKED PAVEMENT AHEAD" (SP 06026) FOLLOWED BY "LOOSE GRAVEL" (W8-7).



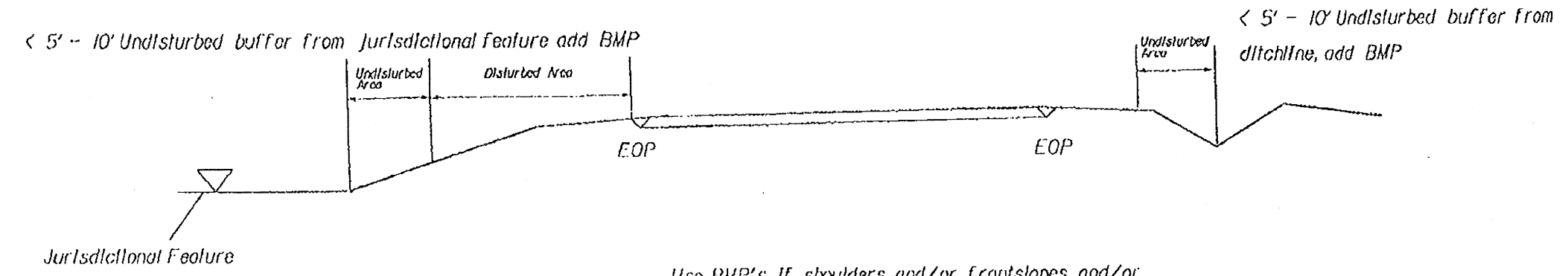
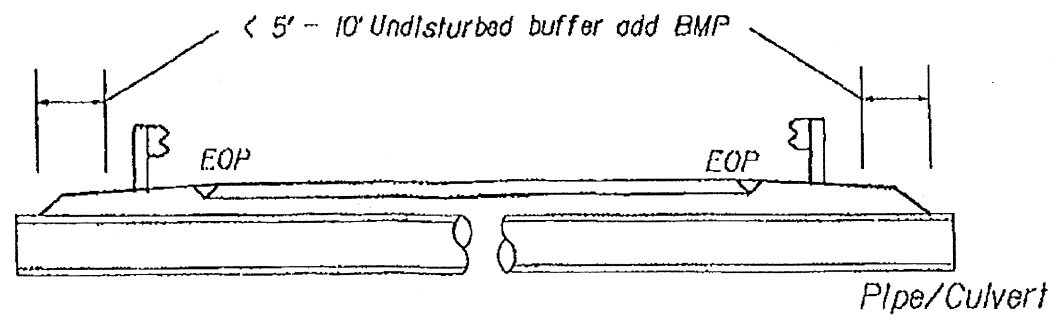
**RESURFACING  
ADVANCE WARNING SIGNS  
FOR  
RURAL AND SUBURBAN  
2 LANE ROADWAYS**



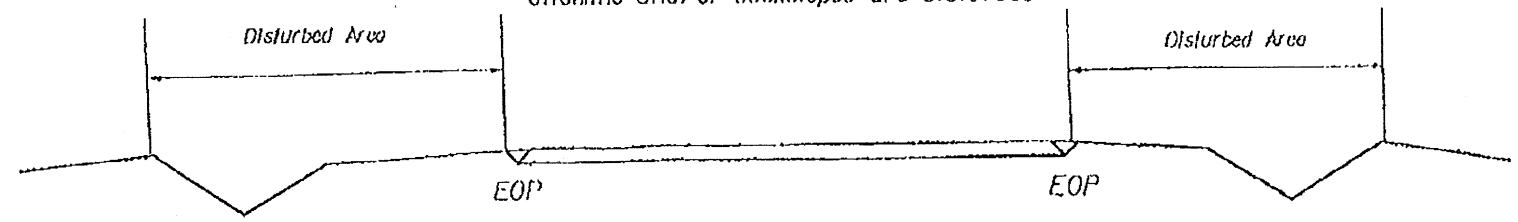
# EROSION CONTROL DETAIL

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

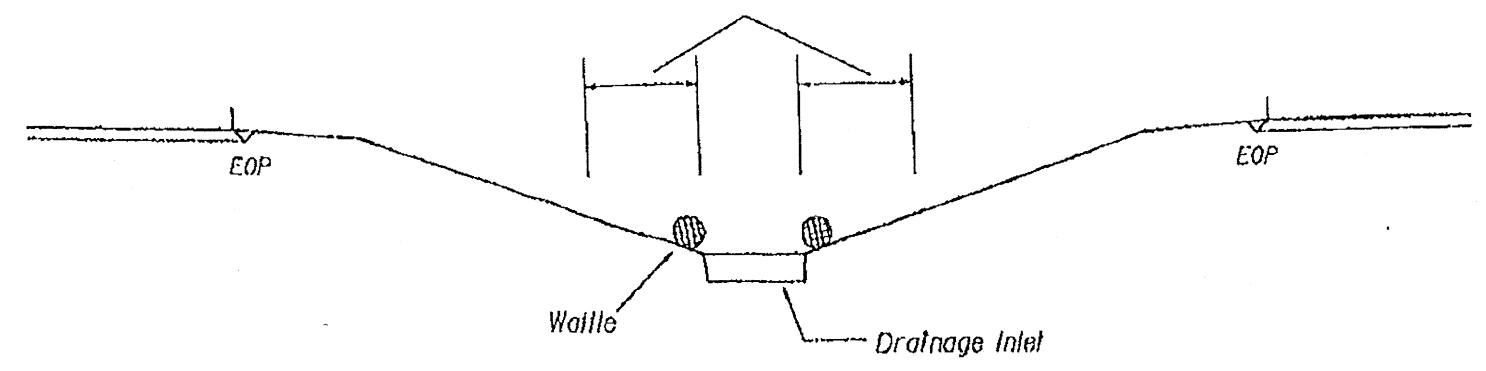
BMP Options: Wattle or Silt Fence



Use BMP's if shoulders and/or front slopes and/or ditchline and/or back slopes are disturbed

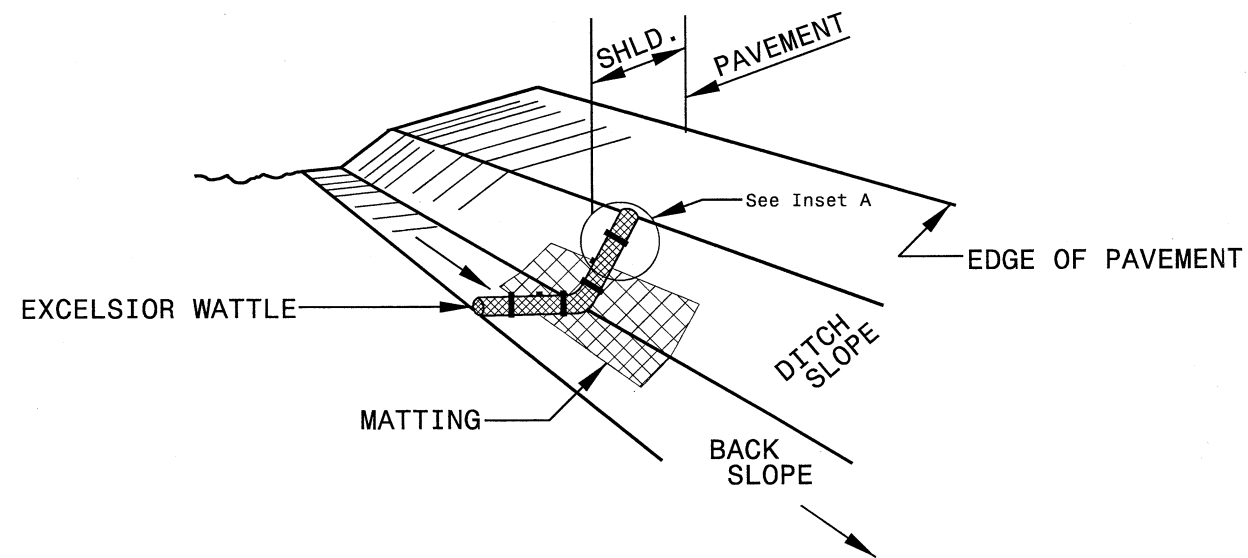


< 5' - 10' Undisturbed buffer from Inlet, add wattle

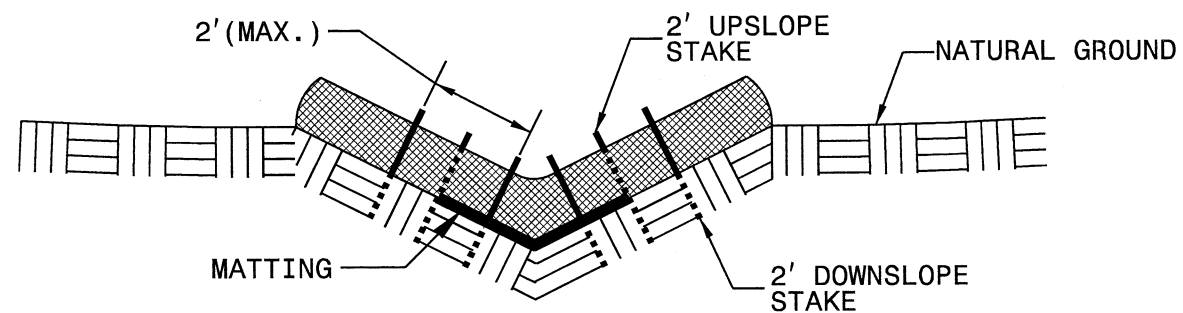


NOT TO SCALE

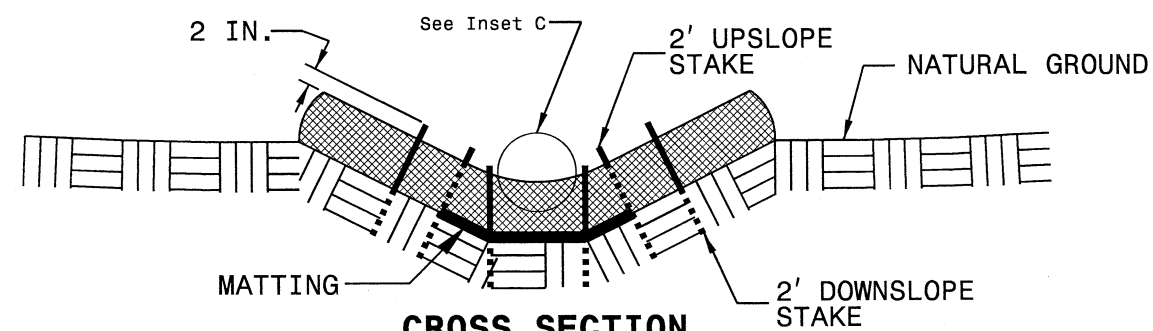
# WATTLE WITH POLYACRYLAMIDE DETAIL



**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. CROSS SECTION.

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

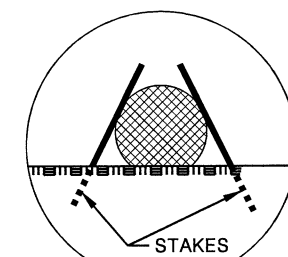
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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

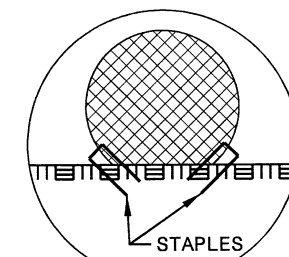
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

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.

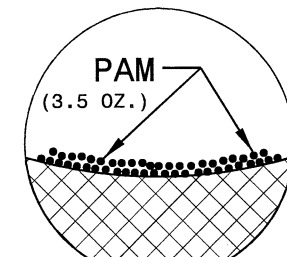
INITIALLY APPLY 3.5 OUNCES OF ANIONIC OR NEUTRALLY CHARGED POLYACRYLAMIDE (PAM) OVER WATTLE WHERE WATER WILL FLOW AND AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



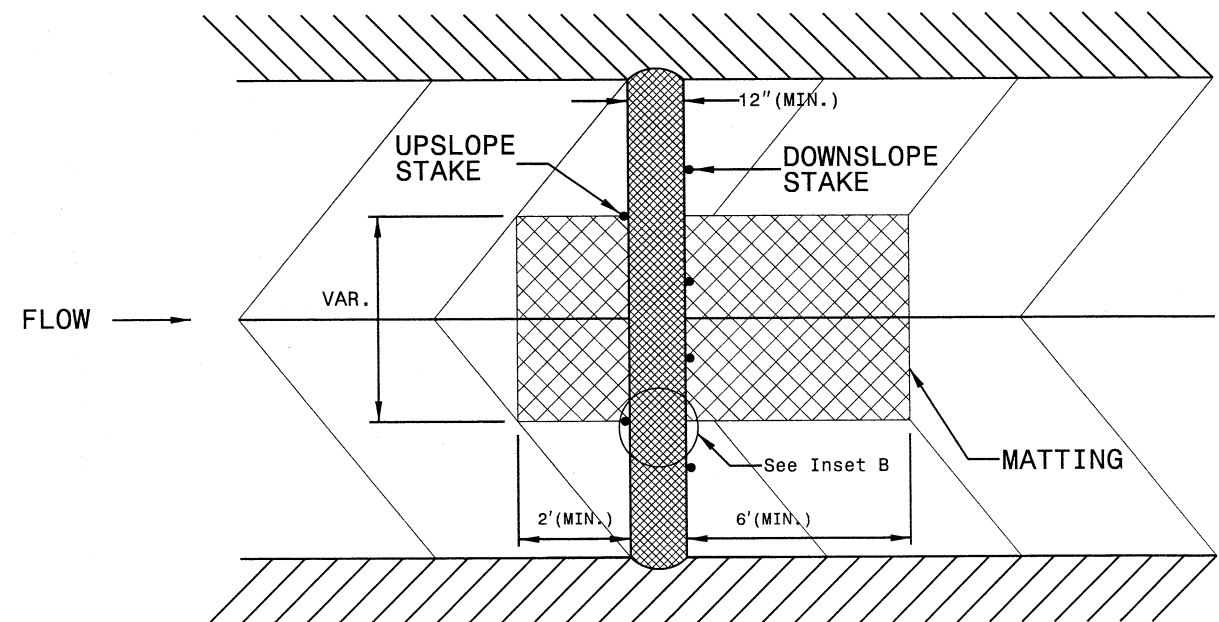
INSET A



INSET B



INSET C



**TOP VIEW**