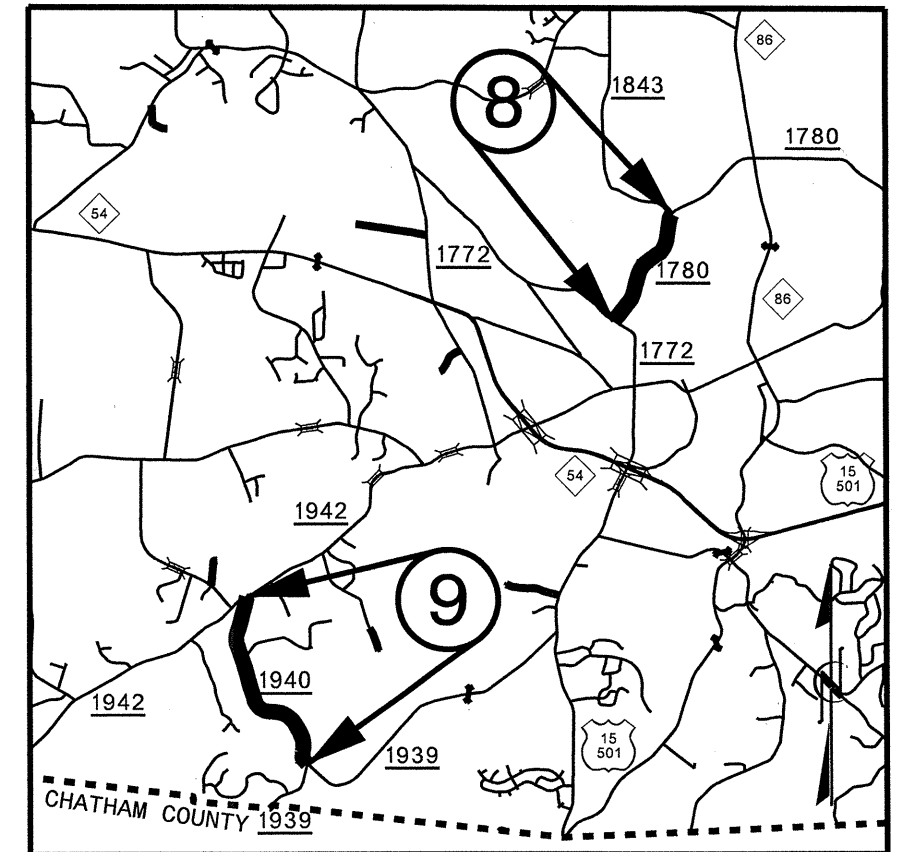
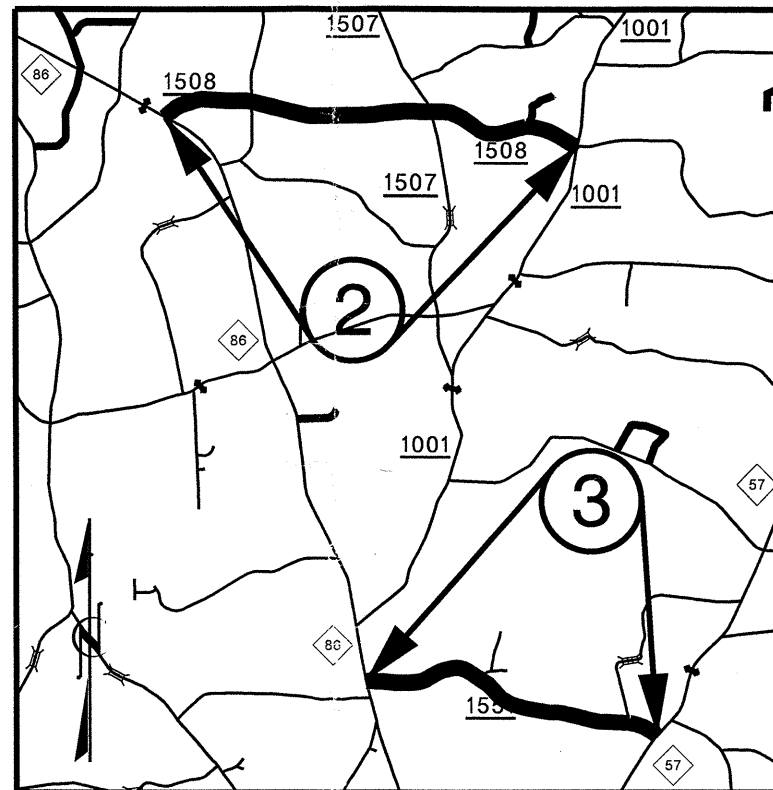
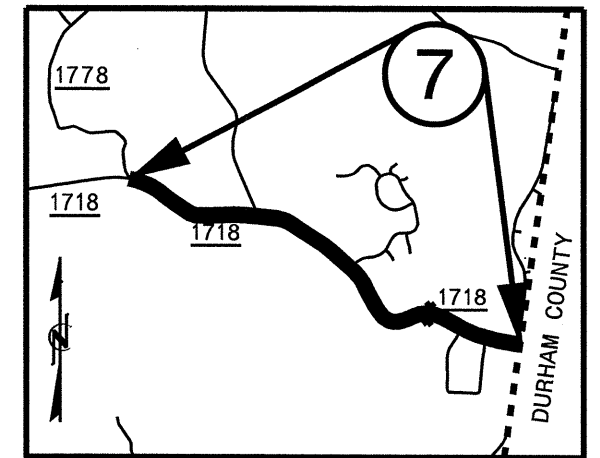
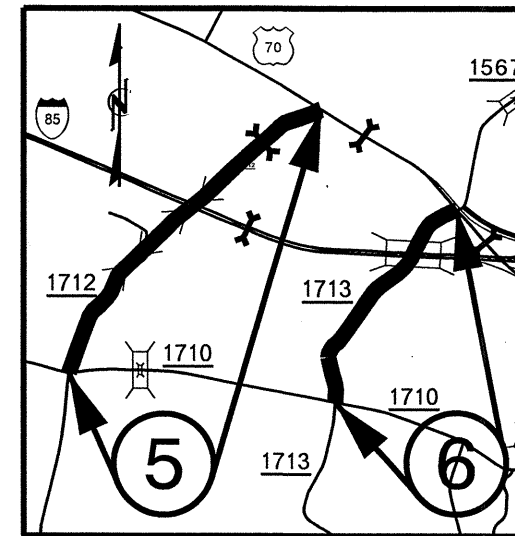
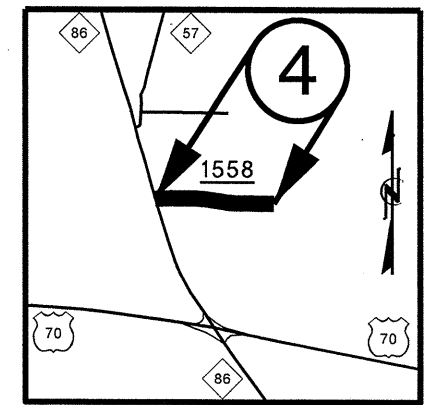
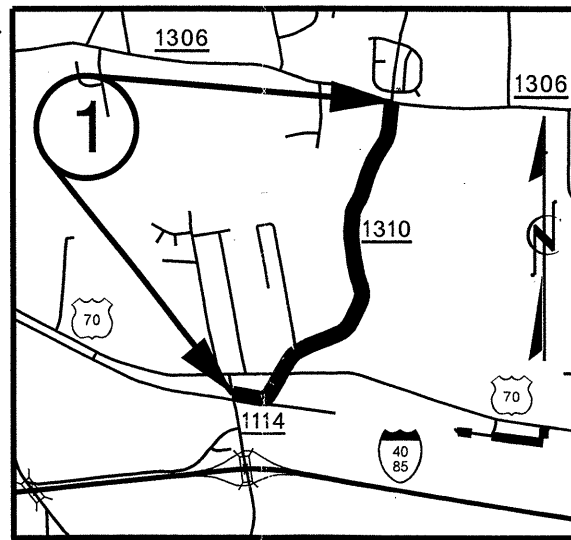
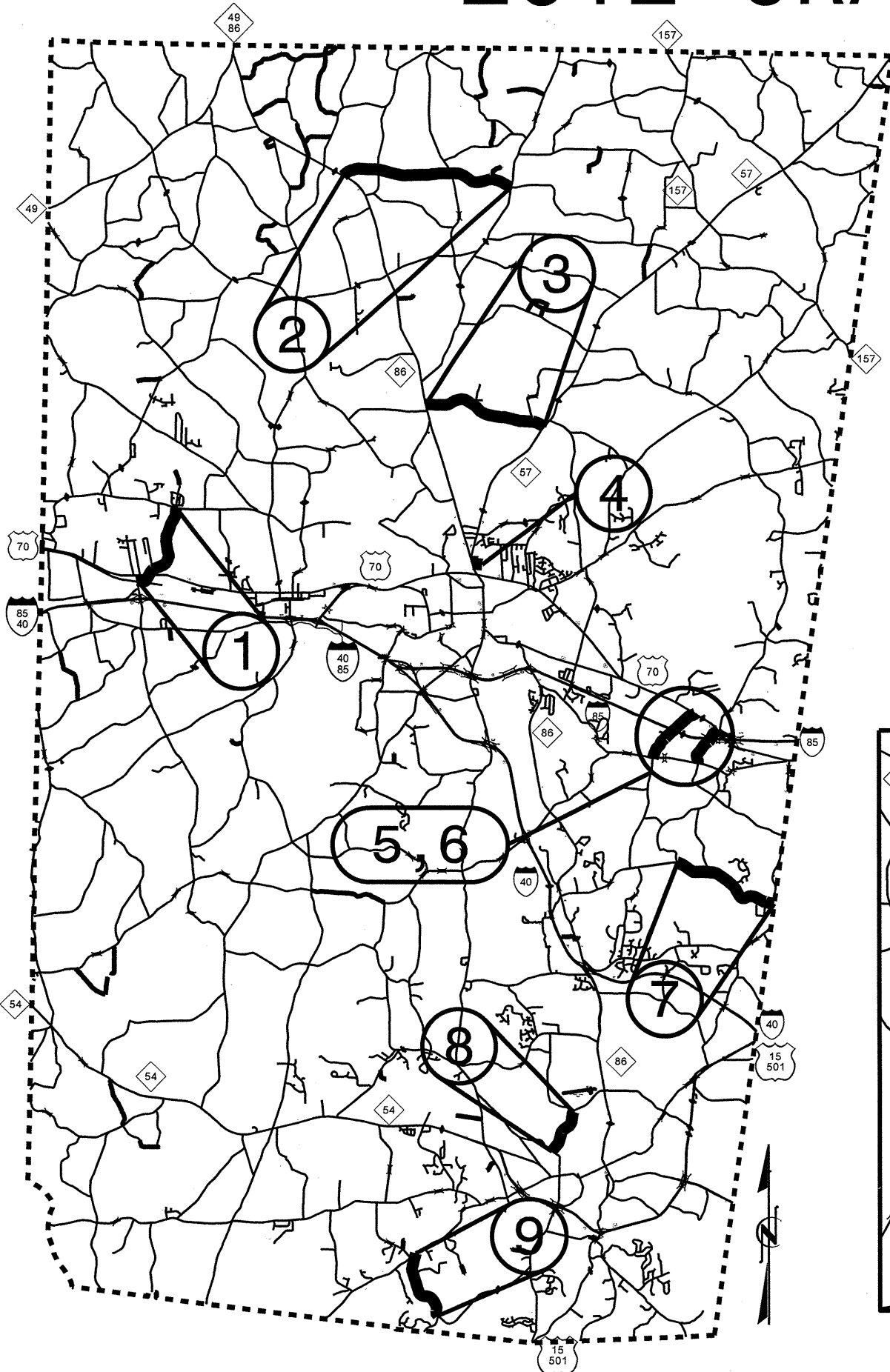


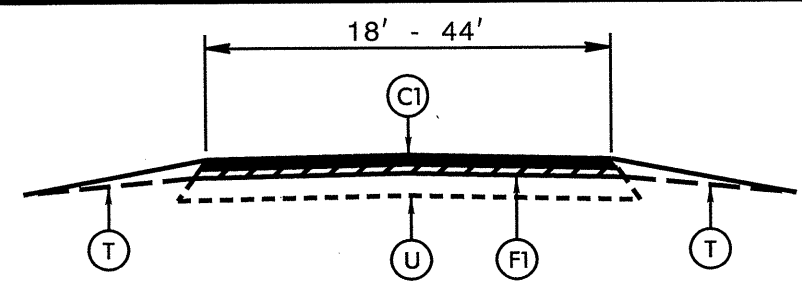
2012 ORANGE COUNTY

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	7CR.20681.27	1	4



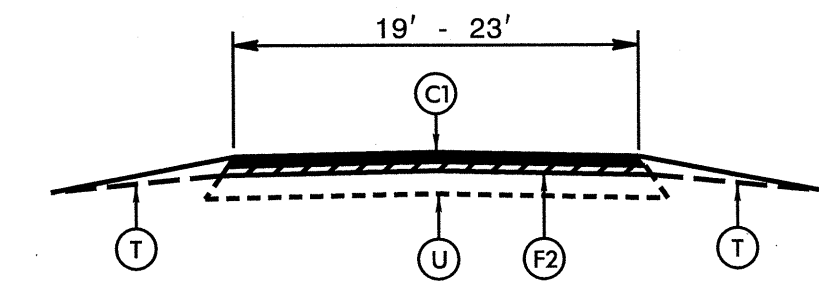
\$\$\$SYTIME\$\$\$
 \$\$\$DOWN\$\$\$
 \$\$\$PRNAME\$\$\$
 \$\$\$FILE\$\$\$
 \$\$\$DATE\$\$\$

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	7CR.20681.27	2	4



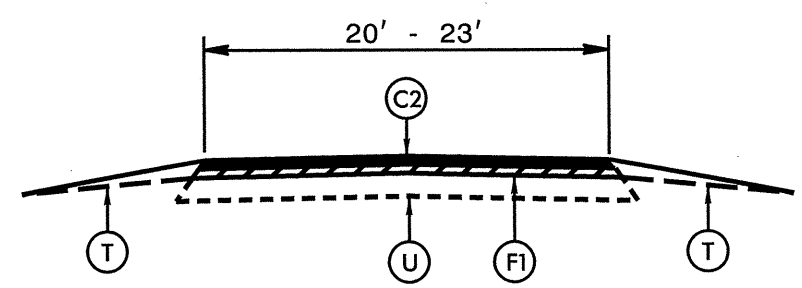
*NOTE: NO PAVEMENT ON SECTION
 MAP 1: STA. 14+05 TO STA. 15+15
 MAP 8: STA. 26+30 TO STA. 26+70
 **NOTE: ON MAP 9: NO PAVEMENT ON BRIDGE
 BRIDGE #90: STA. 7+00 TO STA. 7+20

TYPICAL SECTION NO. 1
 TO BE USED ON MAPS 1, 4, 8, AND 9



*NOTE: NO PAVEMENT ON SECTION
 MAP 5: STA. 20+00 TO STA. 20+60
 MAP 6: STA. 35+15 TO STA. 36+00
 **NOTE: ON MAP 5: NO PAVEMENT ON BRIDGE
 BRIDGE #104: STA. 22+80 TO STA. 23+10
 BRIDGE #96: STA. 36+60 TO STA. 39+15

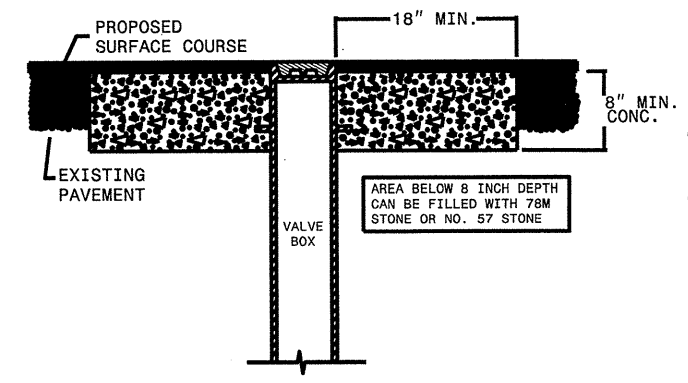
TYPICAL SECTION NO. 2
 TO BE USED ON MAPS 2, 5, AND 6



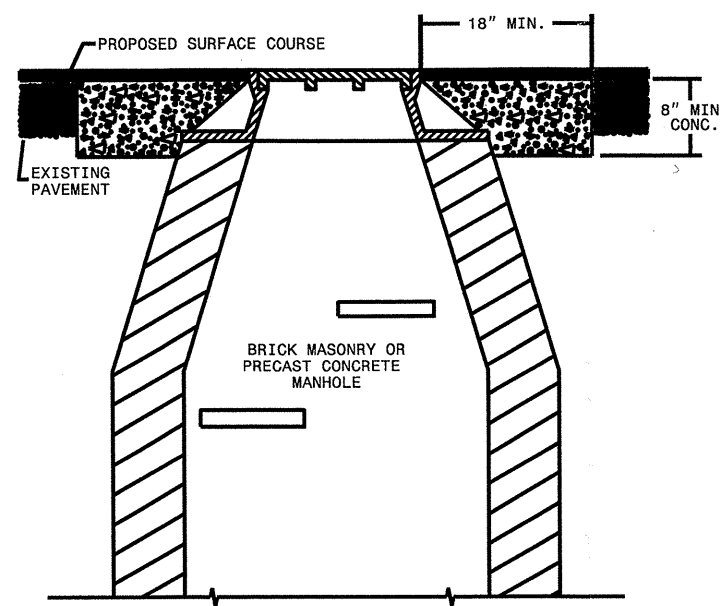
*NOTE: ON MAP 2: NO PAVEMENT
 STA. 67+45 TO STA. 68+45
 **NOTE: ON MAP 2: NO PAVEMENT ON BRIDGE
 BRIDGE #23: STA. 67+45 TO STA. 68+45

TYPICAL SECTION NO. 3
 TO BE USED ON MAPS 3 AND 7

STANDARD CONCRETE ENCASMENT FOR MANHOLE & VALVE CASTINGS IN PAVEMENT
 DETAIL DRAWING NO. 858.01

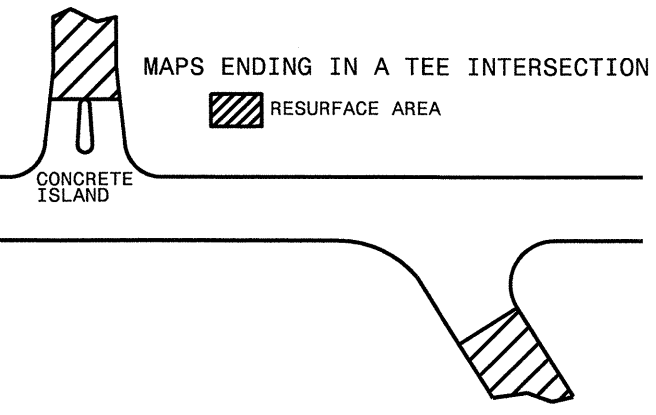


USE RAPID SET GROUT, MORTAR, OR CONCRETE CLASS B CONCRETE MAY BE USED WHEN ADJUSTMENTS ARE NOT IN THE TRAVEL LANE.



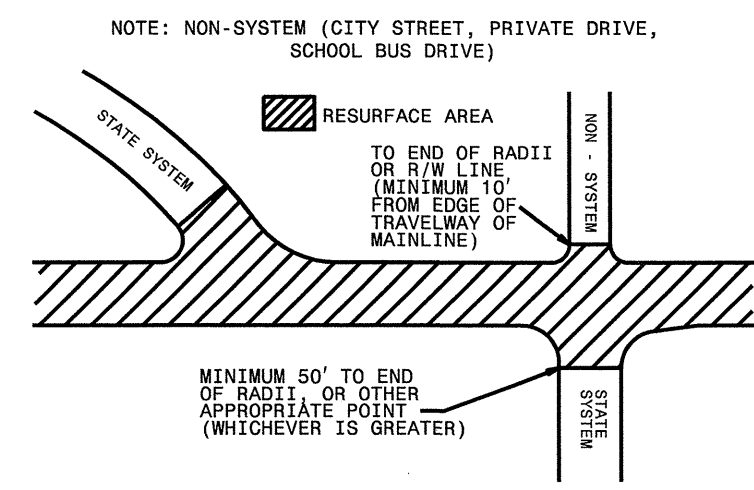
- NOTES:
- MORTAR SHALL BE MIXED TO NCDOT SPECIFICATIONS.
 - ALL FAULTY EXISTING BRICKWORK TO BE REMOVED AND REPLACED WITH NEW BRICK MASONRY.
 - EXCAVATION FOR THE ADJUSTMENT SHALL BE SHEER CUT ON ALL SIDES.
 - RAPID SET GROUT, MORTAR, OR CONCRETE SHALL BE USED

PAVING DETAIL 1
 MAIN LINE IS NOT BEING RESURFACED



MAPS ENDING IN A TEE INTERSECTION
 RESURFACE AREA

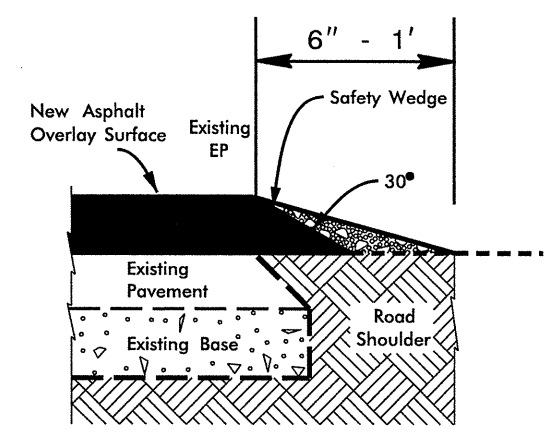
PAVING DETAIL 2
 MAIN LINE IS BEING RESURFACED



NOTE: NON-SYSTEM (CITY STREET, PRIVATE DRIVE, SCHOOL BUS DRIVE)

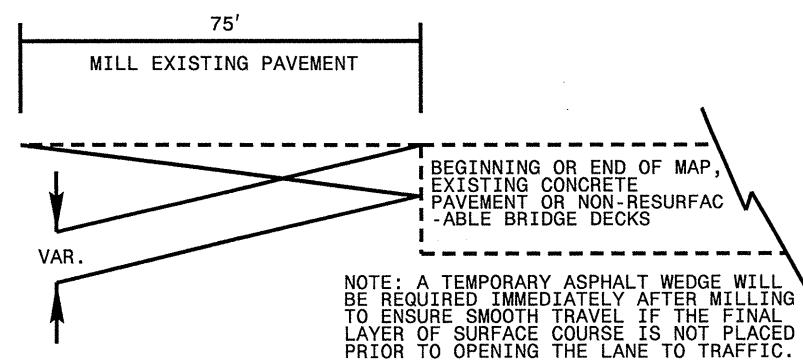
RESURFACE AREA
 TO END OF RADII OR R/W LINE (MINIMUM 10' FROM EDGE OF TRAVELWAY OF MAINLINE)
 MINIMUM 50' TO END OF RADII, OR OTHER APPROPRIATE POINT (WHICHEVER IS GREATER)

INCIDENTAL STONE SHOULDER DETAIL WITH SHOULDER WEDGE



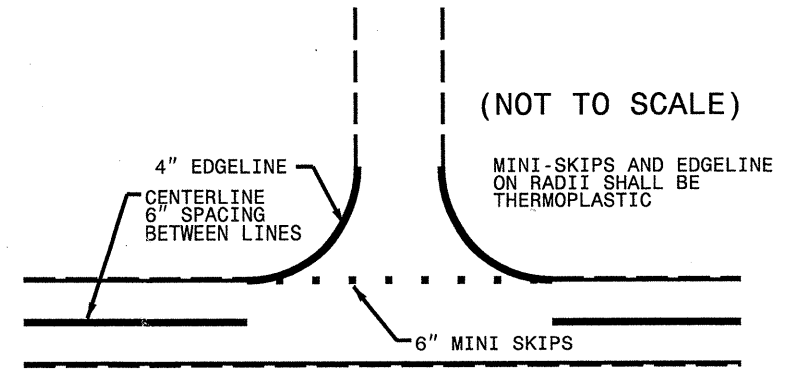
NOTE: ASB OR ABC STONE SHOULD BE PLACED AT THE DISCRETION OF THE ENGINEER
 NEW ASPHALT OVERLAY SURFACE CAN VARY IN DEPTH

INCIDENTAL MILLING DETAIL



NOTE: A TEMPORARY ASPHALT WEDGE WILL BE REQUIRED IMMEDIATELY AFTER MILLING TO ENSURE SMOOTH TRAVEL IF THE FINAL LAYER OF SURFACE COURSE IS NOT PLACED PRIOR TO OPENING THE LANE TO TRAFFIC.

TO BE USED AT ALL NON-SIGNALIZED INTERSECTIONS



NOTE: MINI SKIPS SHALL BE PLACED ON A 10' CYCLE, CONTAINING AN 8' AND 2' SKIP, THE WIDTH OF THE SKIP SHALL BE 6".

PAVEMENT SCHEDULE

C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C2	PROP. APPROX. 1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
F1	AST MAT COAT, #78M STONE
F2	AST MAT COAT, #67 STONE
T	INCIDENTAL STONE BASE IN LOW SHOULDER AREAS, AS DIRECTED BY THE ENGINEER
U	EXISTING PAVEMENT.

\$\$\$\$SYTIME\$\$\$\$
 \$\$\$DGN\$\$\$\$
 \$\$\$PLTNAME\$\$\$\$

PROJECT NO.	SHEET NO.	TOTAL NO.
7CR.20681.27	3	4

SUMMARY OF QUANTITIES

PROJECT NO.	COUNTY	MAP NO.	ROUTE	DESCRIPTION	TYP NO.	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	INCIDENTAL STONE BASE TONS	INCIDENTAL MILLING SY	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A TONS	ASPHALT BINDER FOR PLANT MIX TONS	ASPHALT SURFACE TREATMENT, MAT COAT, #78M STONE SY	GENERIC PAVING ITEM - [ASPHALT SURFACE TREATMENT, MAT COAT, #67 STONE] SY	ADJ. OF MANHOLES EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES EA				
7CR.20681.27	Orange	1	SR 1310 (FRAZIER ROAD)	SKIP	1	NO	0.266	18	211	150	233	16	2,809							
				FROM SR 1114 (BUCKHORN ROAD) - 0.00 TO SR 1306 (LEBANON ROAD) - 1.84	1	NO	0.021	18-20												
					1	NO	1.027	20				1,020	68	12,050						
					1	NO	0.045	20-32				57	4	686						
					1	NO	0.044	32				88	6	826						
					1	NO	0.055	20-32				70	5	839						
					1	NO	0.384	20				167	374	25	4,506					
				TOTAL FOR MAP NO. 1						1.842		211	317	1,842	124	21,716				
				2	SR 1508 (HAWKINS ROAD)	FROM SR 1001 (WALNUT GROVE CHURCH ROAD) - 3.45 TO NC 86 - 6.98	2	NO	1.277	21	212	175	1,326	89			15,733			
						SKIP	2	NO	0.019	21										
							2	NO	0.474	21			175	485	32			5,840		
						BRIDGE #23	2	NO	0.008	21										
							2	NO	1.752	21			350	1,871	125			21,585		
				TOTAL FOR MAP NO. 2						3.53		212	700	3,682	246		43,158			
				3	SR 1551 (PHELPS ROAD)	FROM NC 86 - 0.00 TO NC 57 - 2.56	3	NO	2.563	20	226	333	2,118	142	30,073					
				TOTAL FOR MAP NO. 3						2.563		226	333	2,118	142	30,073				
				4	SR 1558 (HOLMAN DRIVE)	FROM NC 86 - 0.00 TO END OF MAINTENANCE - 0.22	1	NO	0.223	21	29	350	228	15	2,747					
				TOTAL FOR MAP NO. 4						0.223		29	350	228	15	2,747				
				5	SR 1712 (UNIVERSITY STATION ROAD)	FROM SR 1710 (OLD NC 10) - 1.26 TO US 70 - 0.00	2	NO	0.379	19	137	317	351	24			4,225			
						RXR	2	NO	0.011	19										
							2	NO	0.042	19			317	39	3			468		
						BRIDGE #104	2	NO	0.006	21										
							2	NO	0.256	19			317	257	17			2,854		
						BRIDGE #96	2	NO	0.048	19										
				TOTAL FOR MAP NO. 5						1.257		137	1,268	1,124	76		13,288			
				6	SR 1713 (MT. HERMAN CHURCH ROAD)	FROM US 70 - 0.00 TO SR 1710 (OLD NC 10) - 0.82		NO	0.666	23	78	192	745	50			8,987			
						RXR	2	NO	0.016	23										
							2	NO	0.144	23			192	161	11			1,943		
				TOTAL FOR MAP NO. 6						0.826		78	384	906	61		10,930			
				7	SR 1718 (MT. SINAI)	FROM SR 1778 (MURPHEY SCHOOL ROAD) - 2.26 TO DURHAM COUNTY LINE - 0.00	3	NO	1.444	21	126	175	1,289	86	17,790					
							3	NO	0.433	23			403	27	5,843					
							3	NO	0.383	21			175	366	25	4,719				
				TOTAL FOR MAP NO. 7						2.26		126	350	2,058	138		28,352			
				8	SR 1780 (ESTES DRIVE)	FROM SR 1843 (SEAWELL SCHOOL ROAD) - 0.91 TO SR 1772 (GREENSBORO STREET) - 0.00	1	NO	0.033	44	45	367	70	5	852					
							1	NO	0.047	32-44			87	6	1,048					
							1	NO	0.038	30-32			57	4	691					
							1	NO	0.09	30			131	9	1,584					
							1	NO	0.05	30-40			85	6	1,027					
							1	NO	0.024	40			67	4	563				1	
							1	NO	0.056	30-40			95	6	1,150					
							1	NO	0.16	30		250	233	16	2,816					
						RXR	1	NO	0.008	30										
							1	NO	0.085	30		250	124	8	1,496					
							1	NO	0.038	26-30			52	3	624					
							1	NO	0.118	24-36			143	10	1,731				3	1
							1	NO	0.159	21		175	163	11	1,959				3	
				TOTAL FOR MAP NO. 8						0.906		45	1,042	1,307	88		15,541	6	2	
				9	SR 1940 (DAMASCUS CHURCH ROAD)	FROM SR 1939 (MEACHAM ROAD) - 0.00 TO SR 1942 (JONES FERRY ROAD) - 1.52	1	NO	0.133	20	138	333	150	10	1,561					
						BRIDGE #90	1	NO	0.004	20										
							1	NO	1.385	20			333	1,369	92	16,251				
				TOTAL FOR MAP NO. 9						1.522		138	666	1,519	102		17,812			
				TOTAL FOR PROJ NO. 7CR.20681.27							14.929		1,202	5,410	14,784	992	116,241	67,376	6	2
				GRAND TOTAL							14.929		1,202	5,410	14,784	992	116,241	67,376	6	2

PROJECT NO.	SHEET NO.	TOTAL NO.
7CR.20681.27	4	4

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4685000000-E	4686000000-E	4690000000-E	4695000000-E	4705000000-E	4710000000-E	4721000000-E	4725000000-E	4810000000-E		4900000000-N					
							4" X 90 M WHITE THERMO LF	4" X 120 M WHITE THERMO LF	4" X 120 M YELLOW THERMO LF	6" X 120 M WHITE THERMO LF	8" X 90 M YELLOW THERMO LF	16" X 120 M WHITE THERMO LF	24" X 120 M WHITE THERMO LF	THERMO MSG RXR 120 M EA	THERMO LT ARROW 90 M EA	4" WHITE PAINT LF	4" YELLOW PAINT LF	YELLOW & YELLOW MARKERS EA	CRYSTAL & RED MARKERS EA			
7CR.20681.27	Orange	1	SR 1310 (FRAZIER ROAD)	FROM SR 1114 (BUCKHORN ROAD) - 0.00 TO SR 1306 (LEBANON ROAD) - 1.84	1.842	18-32	150			34					2	39,122	40,540	150				
		TOTAL FOR MAP NO. 1				1.842		150			34					2	39,122	40,540	150			
		2	SR 1508 (HAWKINS ROAD)	FROM SR 1001 (WALNUT GROVE CHURCH ROAD) - 3.45 TO NC 86 - 6.98	3.53	21	225			66								74,110	67,443	275	60	
		TOTAL FOR MAP NO. 2				3.53		225			66							74,110	67,443	275	60	
		3	SR 1551 (PHELPS ROAD)	FROM NC 86 - 0.00 TO NC 57 - 2.56	2.563	20	150			34								53,840	48,523	200		
		TOTAL FOR MAP NO. 3				2.563		150			34							53,840	48,523	200		
		4	SR 1558 (HOLMAN DRIVE)	FROM NC 86 - 0.00 TO END OF MAINTENANCE - 0.22	0.223	21																
		TOTAL FOR MAP NO. 4				0.223																
		5	SR 1712 (UNIVERSITY STATION ROAD)	FROM SR 1710 (OLD NC 10) - 1.26 TO US 70 - 0.00	1.257	19-21	75			12		100	72	4				26,390	26,540	100	120	
		TOTAL FOR MAP NO. 5				1.257		75			12	100	72	4				26,390	26,540	100	120	
		6	SR 1713 (MT. HERMAN CHURCH ROAD)	FROM US 70 - 0.00 TO SR 1710 (OLD NC 10) - 0.82	0.826	23						100	72	4				17,440	17,440	75		
		TOTAL FOR MAP NO. 6				0.826						100	72	4				17,440	17,440	75		
		7	SR 1718 (MT. SINAI)	FROM SR 1778 (MURPHEY SCHOOL ROAD) - 2.26 TO DURHAM COUNTY LINE - 0.00	2.26	21-23	300			60								47,120	46,720	175		
		TOTAL FOR MAP NO. 7				2.26		300			60							47,120	46,720	175		
		8	SR 1780 (ESTES DRIVE)	FROM SR 1843 (SEAWELL SCHOOL ROAD) - 0.91 TO 200' EAST OF SR 1772 (GREENSBORO STREET) - 0.00	0.906	21-44	9,570	245	11,530	14	170	100	116	4	4					75		
		TOTAL FOR MAP NO. 8				0.906		9,570	245	11,530	14	170	100	116	4	4					75	
		9	SR 1940 (DAMASCUS CHURCH ROAD)	FROM SR 1939 (MEACHAM ROAD) - 0.00 TO SR 1942 (JONES FERRY ROAD) - 1.52	1.522	20	150			36								31,840	28,573	150	60	
		TOTAL FOR MAP NO. 9				1.522		150			36							31,840	28,573	150	60	
TOTAL FOR PROJ NO. 7CR.20681.27					14.929		10,620	245	11,530	256	170	300	260	12	6	289,862	275,779	1,200	240			
							11,775								565,641		1,440					
GRAND TOTAL					14.929		10,620	245	11,530	256	170	300	260	12	6	289,862	275,779	1,200	240			
							11,775								565,641		1,440					