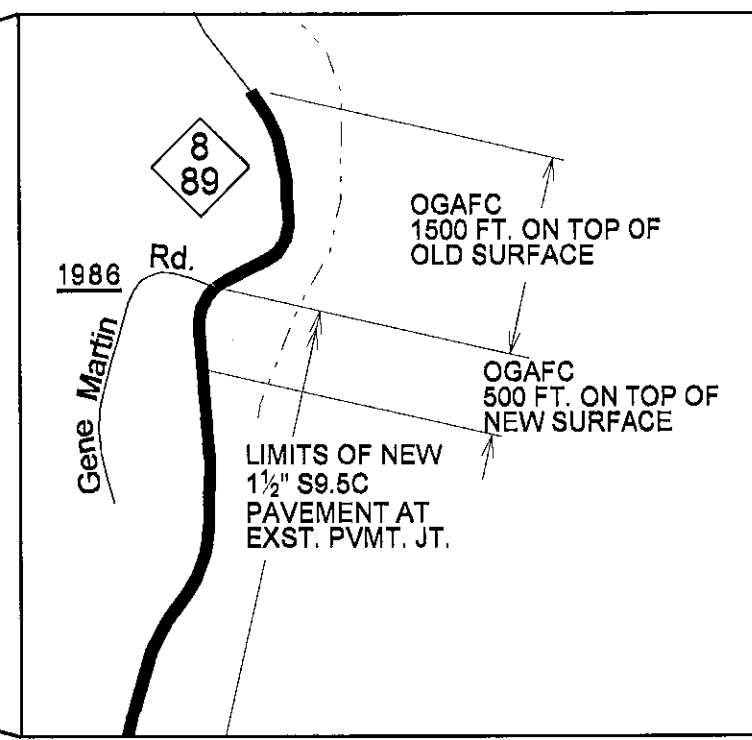
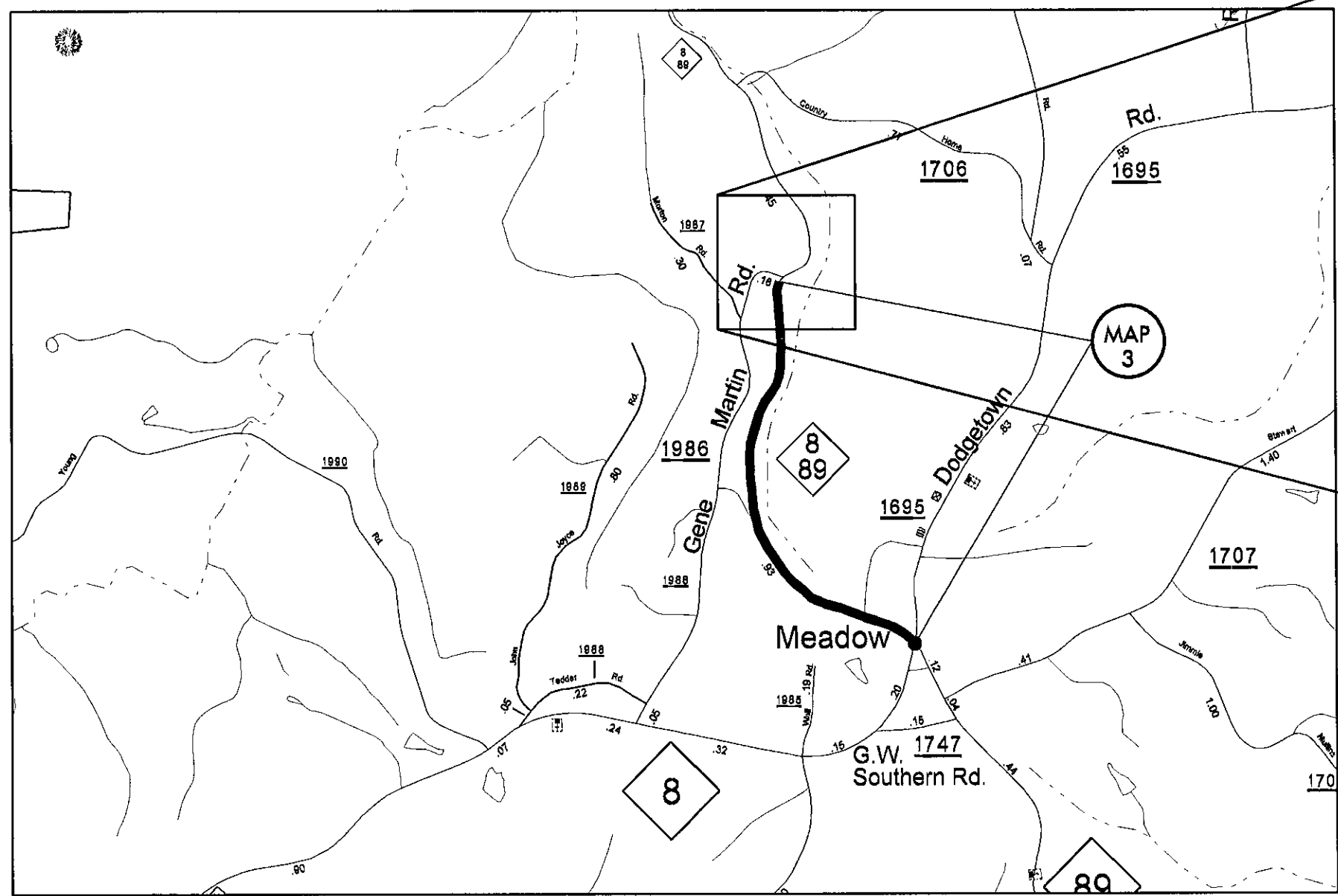


MAP 1
 NC 704
 Mill 1½"
 Pave back with 2" S9.5C

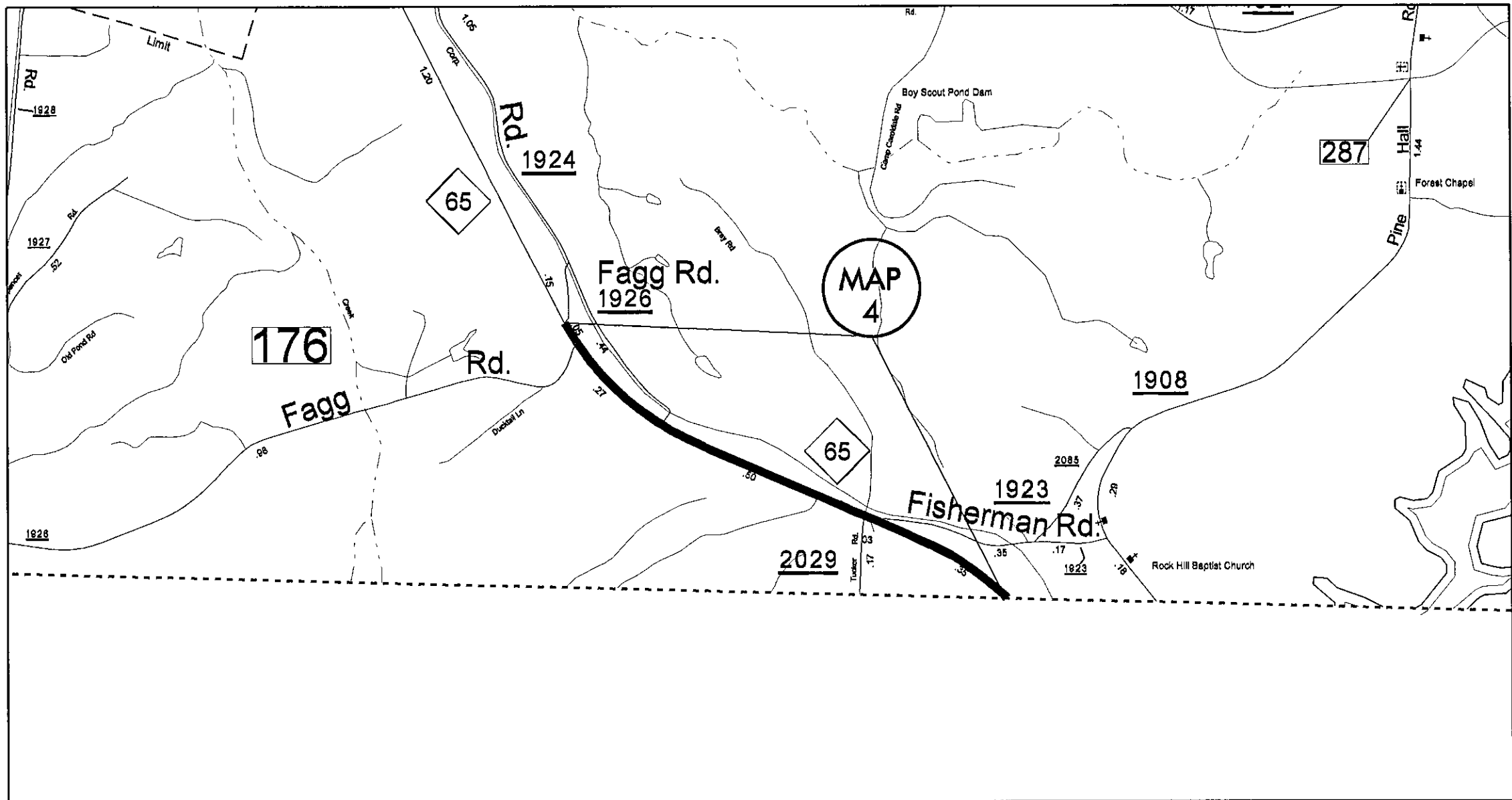
MAP 2
 NC 770
 Mill 1½"
 Pave back with 2" S9.5C

STOKES COUNTY
 NORTH CAROLINA



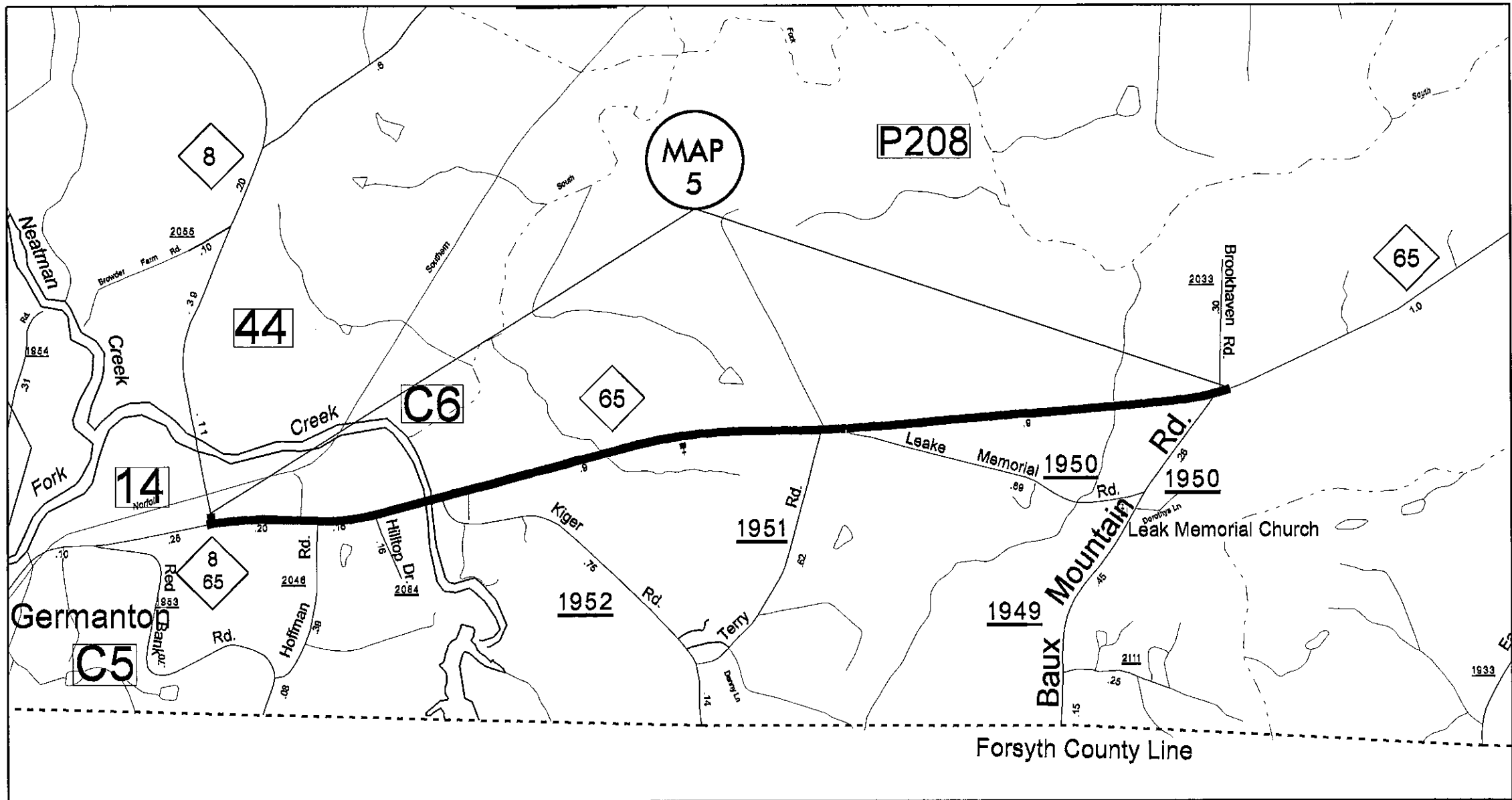
MAP 3
 NC 8 /NC 89
 Mill 1 1/2"
 Pave back with 1 1/2" S9.5C
 to Gene Martin pavement joint.
 Overlay w/OGAFc as directed
 approximately 2000 ft. north of
 intersection.
 See Insert Map above.





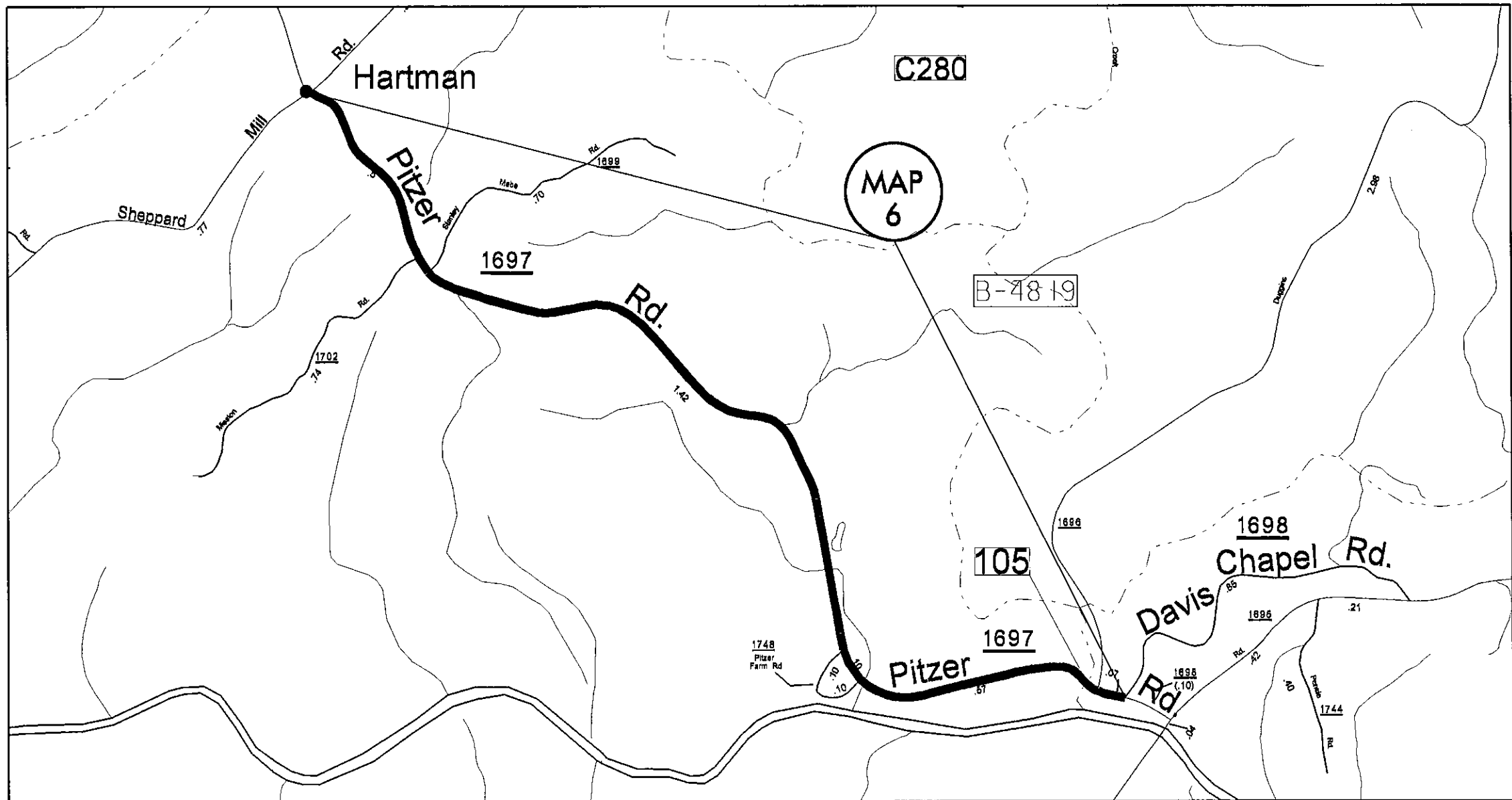
MAP 4
 NC 65
 Mill 1½"
 Pave back with 1½" S9.5C

STOKES COUNTY
 NORTH CAROLINA



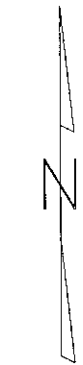
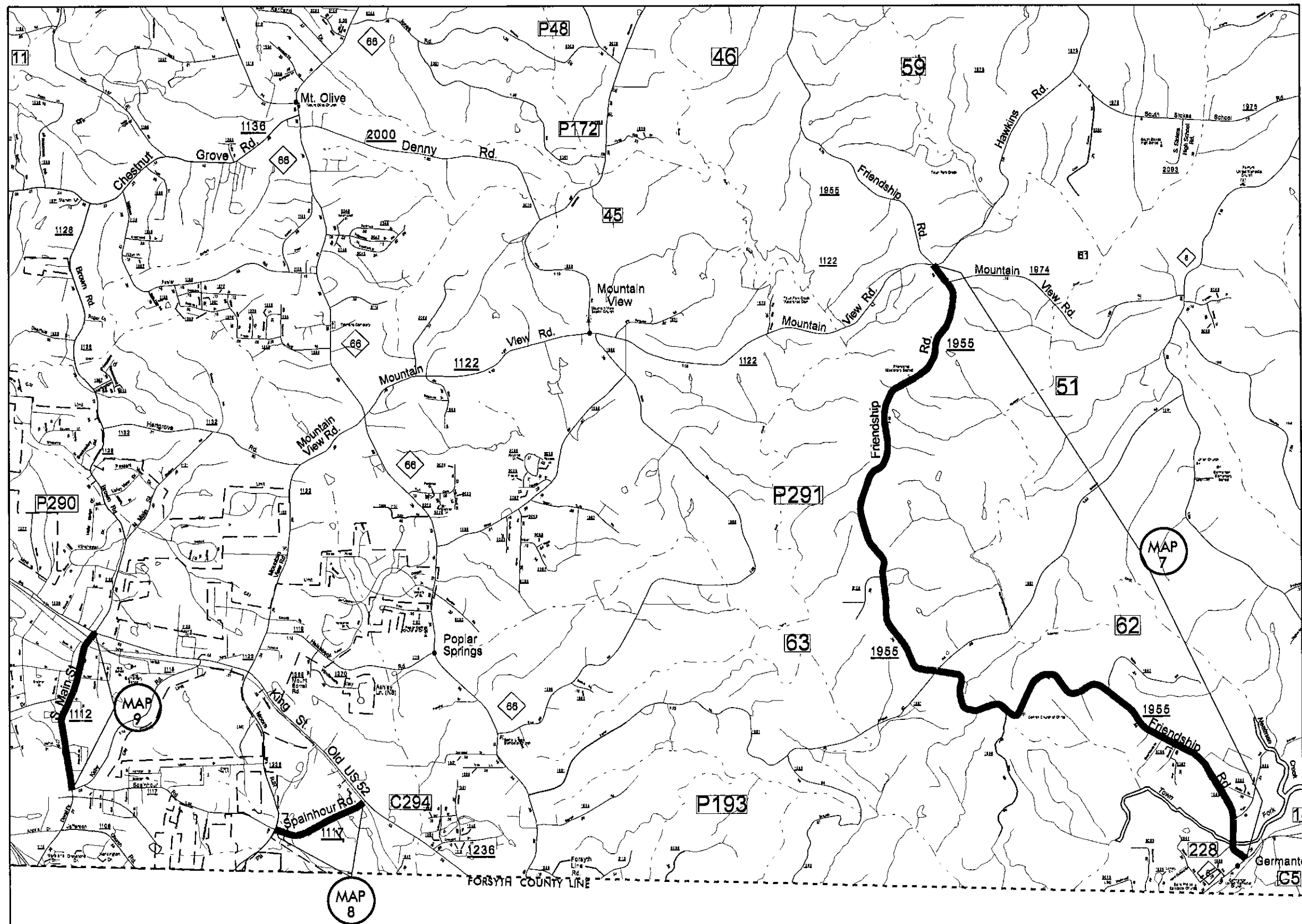
MAP 5
 NC 65
 Butt Mill ends of Map
 Pave with 1 1/2" S9.5C

STOKES COUNTY
 NORTH CAROLINA



MAP 6
Pitzer Rd. SR 1697
Butt Mill at ends of Map
Pave back with 1½" S9.5C

STOKES COUNTY
NORTH CAROLINA

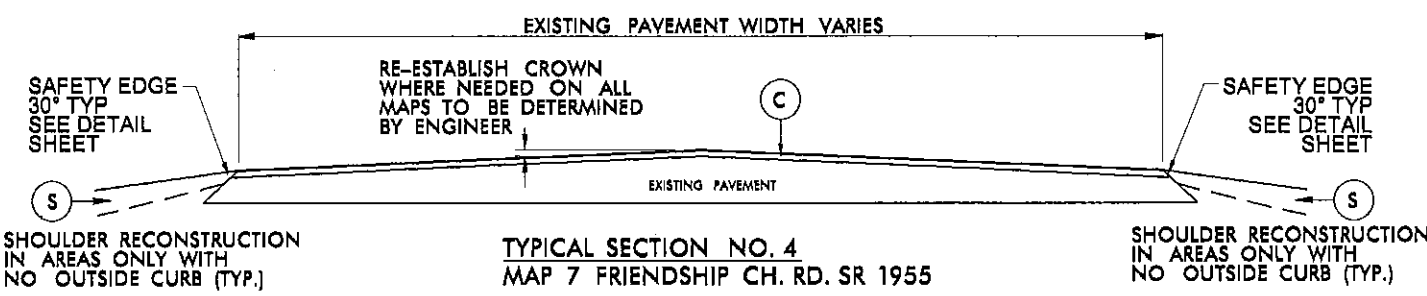
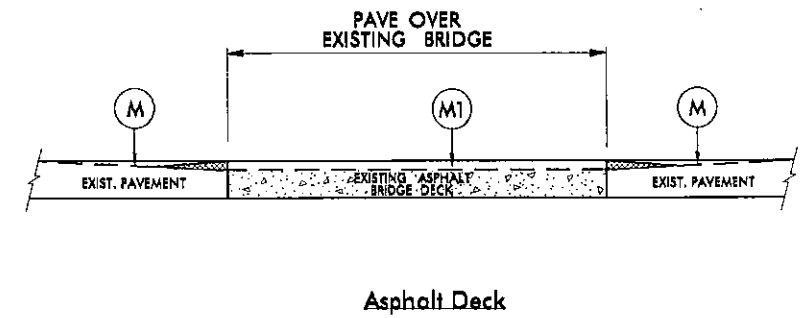
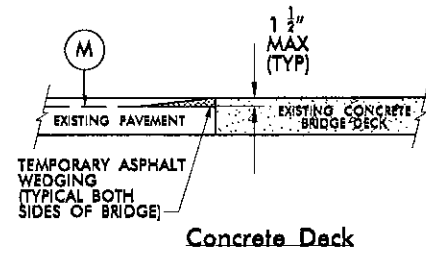
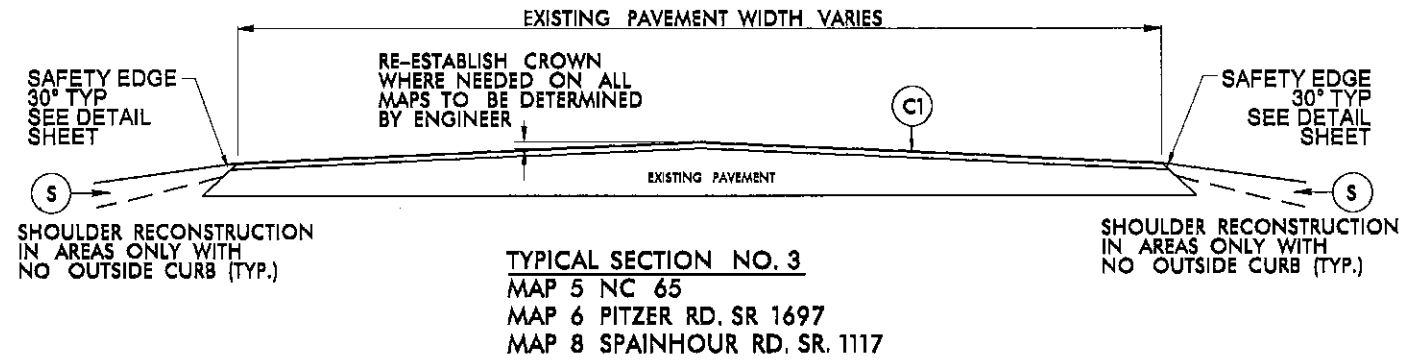
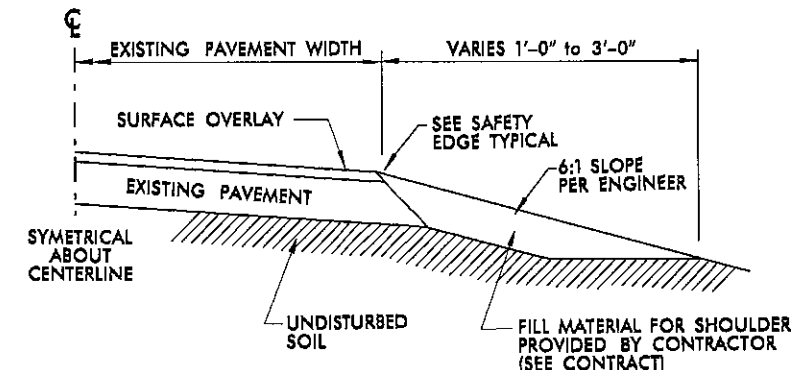
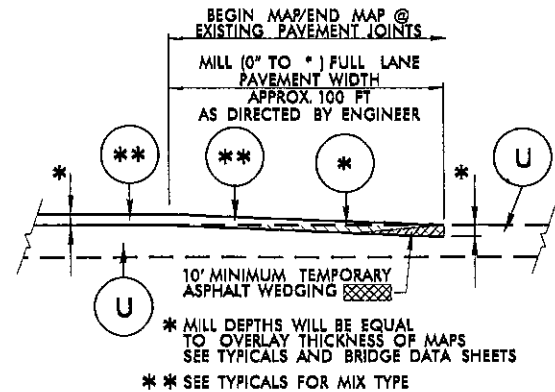
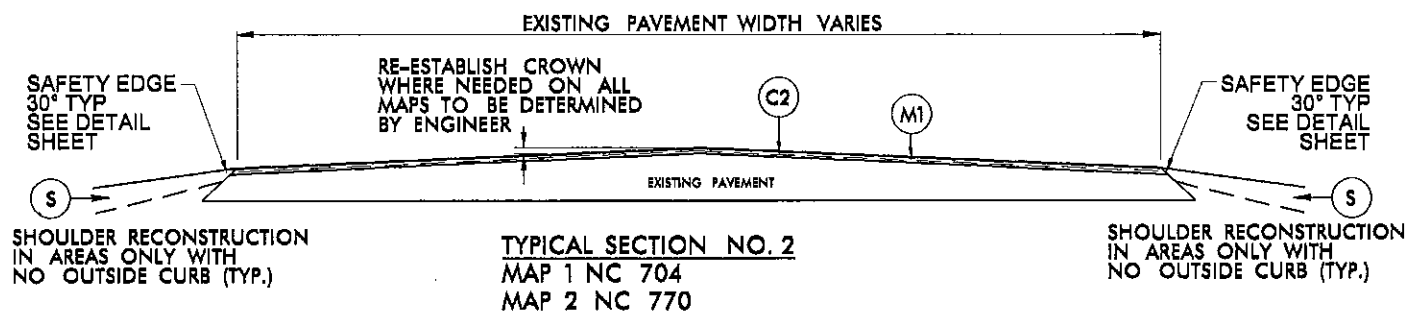
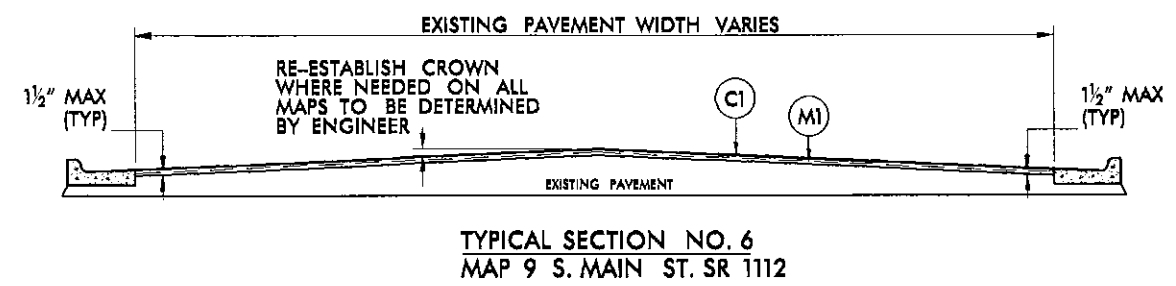
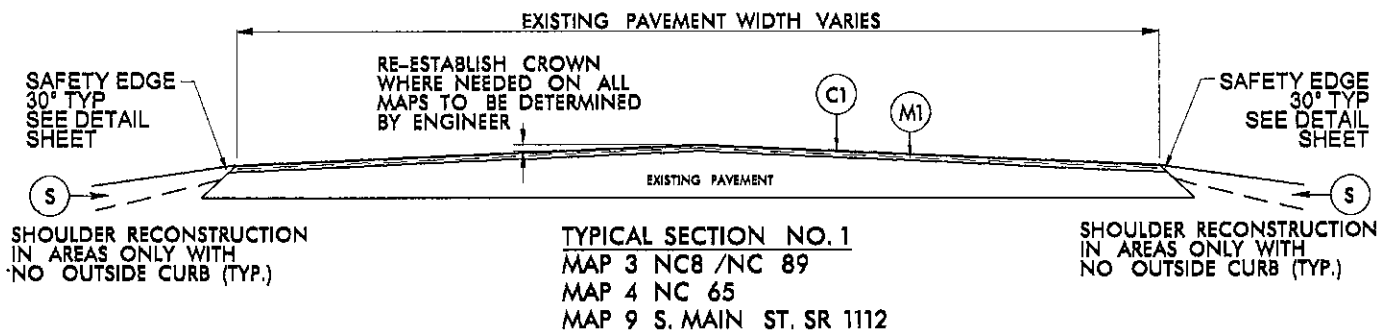


MAP 7
 Friendship Rd. SR 1955
 Butt Mill ends of Map.
 Pave with 1½" S9.5B

MAP 8
 Spainhour Rd. SR 1117
 Butt Mill ends of Map
 Pave with 1½" S9.5C

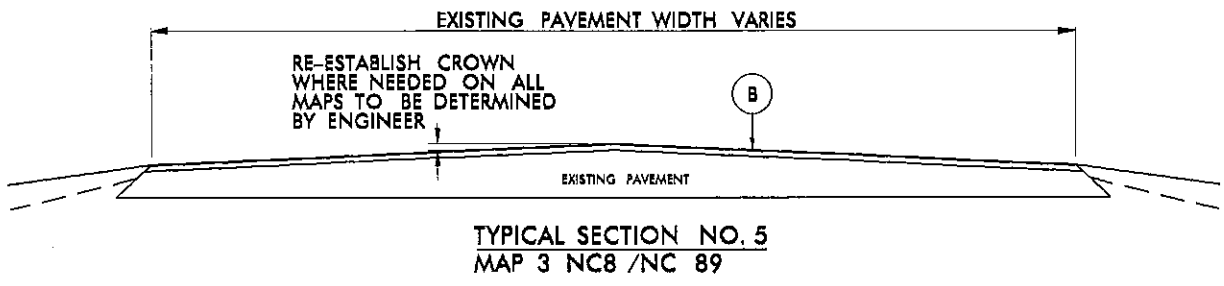
MAP 9
 S. Main St. SR 1112
 Mill 1½" Depth
 Pave back with 1½" S9.5C
**ALL WORK ON MAP TO BE
 NIGHT TIME ONLY
 9 P.M. TO 6 A.M., Monday-Sunday.**

STOKES COUNTY
 NORTH CAROLINA



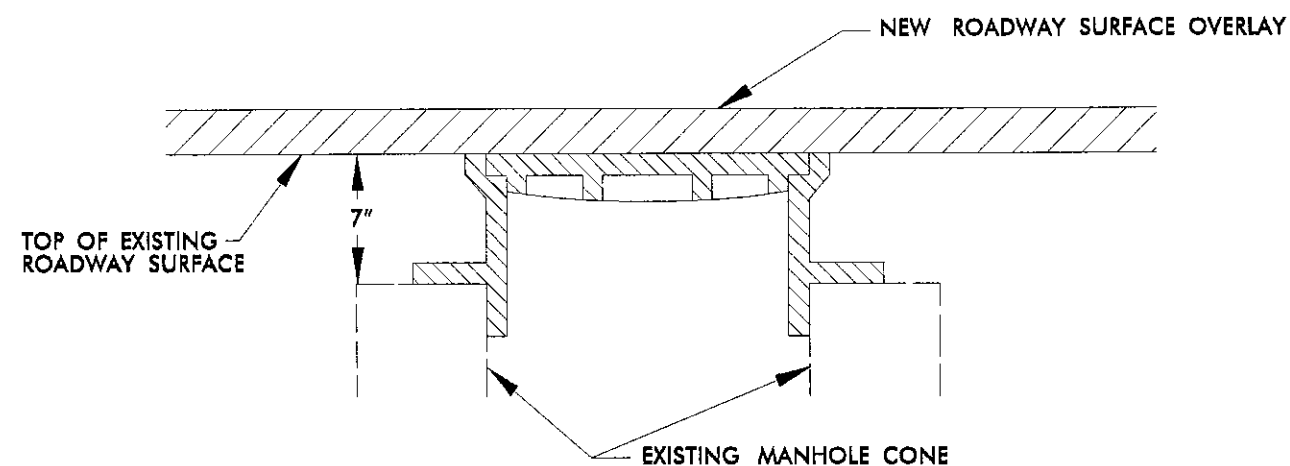
INCIDENTAL MILLING BRIDGE APPROACHES
(SEE BRIDGE DATA SHEET)

PAVEMENT SCHEDULE	
B	PROP. APPROX. 7/8" OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1, AT AN AVERAGE RATE OF 70 LBS. PER SQ. YD.
C	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 165 LBS PER SQ YD
C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
C2	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 224 LBS PER SQ YD
M	INCIDENTAL MILLING
M1	MILL ASPHALT PAVEMENT, 1 1/2" DEPTH
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT

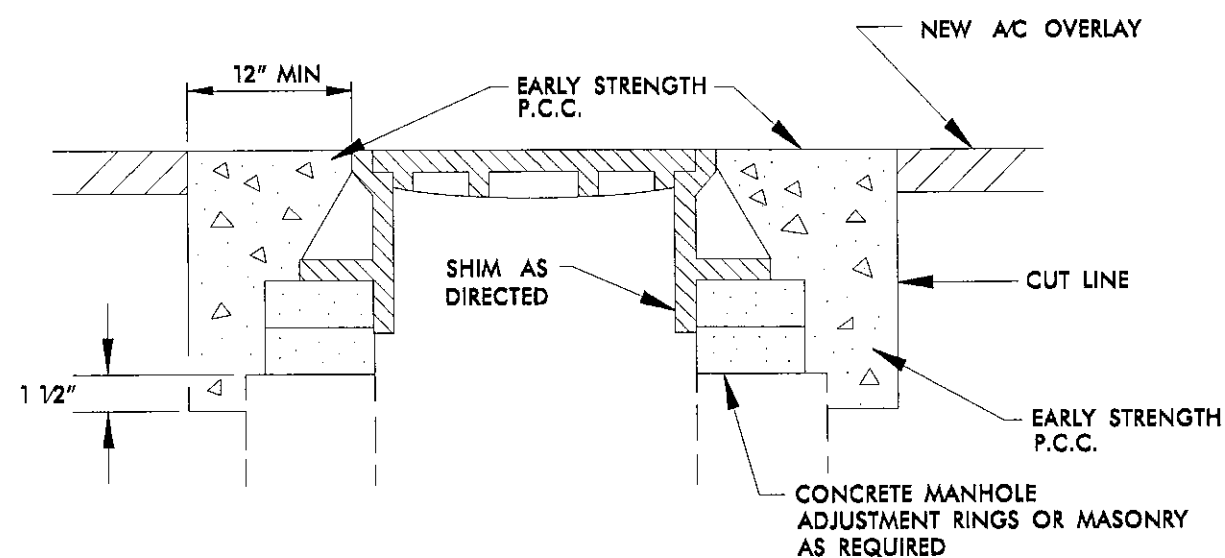


CONSTRUCTION NOTES:

1. ALL QUANTITIES ARE "ESTIMATED" AS INDICATED IN THE "SUMMARY OF QUANTITIES".
2. CONSTRUCTION SHALL PROGRESS IN PHASES, IN THE ORDER INDICATED BELOW:
 - PHASE 1 - MILLING AND PATCHING (WHEN REQUIRED)
 - PHASE 2 - SURFACE OVERLAY
 - PHASE 3 - SHOULDER DROP-OFF REPAIR (AS NEEDED AND DIRECTED BY ENGINEER)
 - PHASE 4 - UTILITY ADJUSTMENTS (MANHOLE RING/COVER, VALVEMETER BOX RING/COVER, CATCH BASIN GRATE/COVER, DROP INLET GRATE/COVER, ETC.) WHEN REQUIRED.
3. BRIDGES THAT HAVE FLOOR DRAINS, SHALL HAVE ALL FLOOR DRAINS LEFT OPEN. EXTRA CARE SHALL BE EXERCISED IN MILLING (IF REQUIRED) AND IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE.
4. TEMPORARY ASPHALT WEDGING SHALL BE PLACED ON THE SAME DAY THAT BRIDGE AND/OR RAILROAD APPROACHES ARE MILLED (AND IF APPROACHES ARE MILLED PRIOR TO BRIDGE DECK).
5. FOR TWO-LANE ROADWAYS - IT SHALL BE UNDERSTOOD THAT TYPICALLY ON A ROADWAY MEASURING 20 FEET OR LESS IN WIDTH, THE CENTER OF THE WHITE EDGELINE SHALL BE LOCATED SIX INCHES FROM THE EDGE OF PAVEMENT ON EITHER SIDE OF THE ROADWAY; ON A ROADWAY MEASURING 22 FEET IN WIDTH, TRAVEL LANES SHALL MEASURE 10 FEET AND THE WHITE EDGELINE SHALL BE LOCATED ONE FOOT FROM THE EDGE OF PAVEMENT ON EITHER SIDE; ON A ROADWAY MEASURING 24 FEET IN WIDTH, TRAVEL LANES SHALL MEASURE 11 FEET AND THE WHITE EDGELINE SHALL BE LOCATED ONE FOOT FROM THE EDGE OF PAVEMENT ON EITHER SIDE; ON A ROADWAY MEASURING 26 FEET OR MORE IN WIDTH, TRAVEL LANES SHALL MEASURE 12 FEET AND THE WHITE EDGELINE SHALL BE LOCATED NO LESS THAN ONE FOOT FROM THE EDGE OF PAVEMENT ON EITHER SIDE. THIS SHALL BE STANDARD PRACTICE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
6. PAPER JOINTS ARE TO BE PLACED BETWEEN DAYS OF PAVING OPERATIONS AS SPECIFIED IN THE STANDARD SPECIFICATIONS SECTION 610-11.
7. ALL MILLED AREAS WILL BE PAVED WITHIN 72 HOURS UNLESS APPROVED BY THE ENGINEER.
8. REPLACE ANY PORTION OF STOP BARS AND OTHER PAVEMENT MARKINGS AT ANY INTERSECTION INCLUDING Y-LINES NOT ACTUALLY BEING PAVED OVER, THAT ARE OBLITERATED BY THE PAVING OPERATION EITHER BY HAULING WHEEL TRACKS OR TACK TRUCK BY THE END OF EACH RESURFACING OPERATION



STEP 1



STEPS 2,3, & 4

- STEP 1 COVER EXISTING MANHOLE WITH APPROVED MATERIAL AND CONSTRUCT OVERLAY ACROSS TOP OF MANHOLE
- STEP 2 SAW CUT EXCAVATION AROUND MANHOLE 12" MIN. FROM MANHOLE FRAME.
- STEP 3 RAISE MANHOLE FRAME RINGS TO FINISH PAVEMENT PROFILE AND CROSS SLOPE.
- STEP 4 BACKFILL WITH EARLY STRENGTH P.C.C. TO DEPTHS AS DIRECTED.

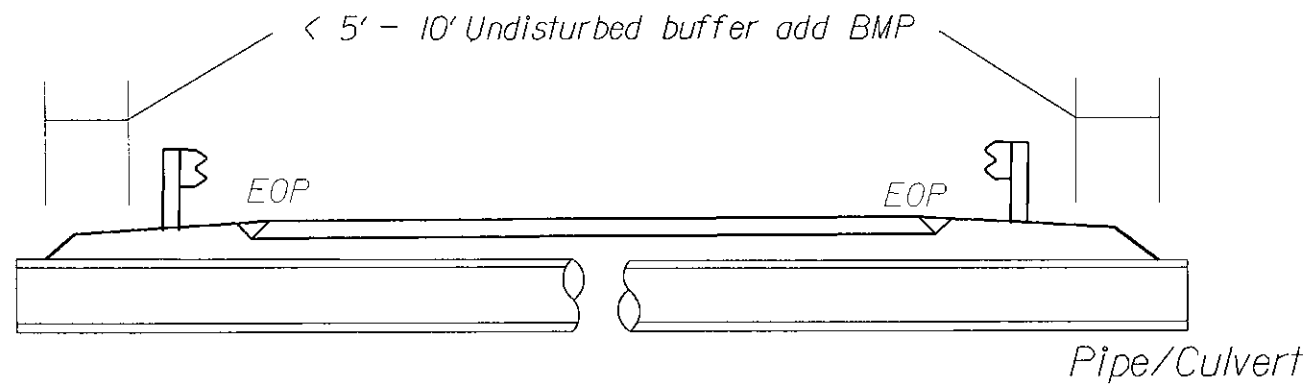
MANHOLE ADJUSTMENT DETAIL

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

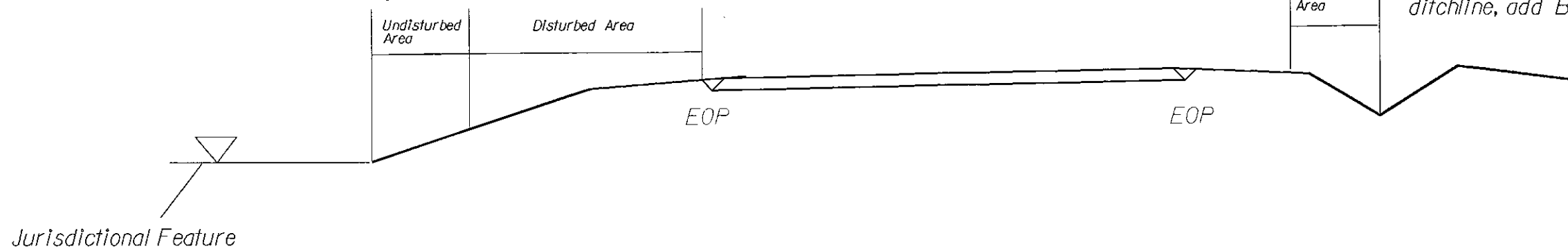
BMP Options: Wattle or Silt Fence

EROSION CONTROL DETAIL

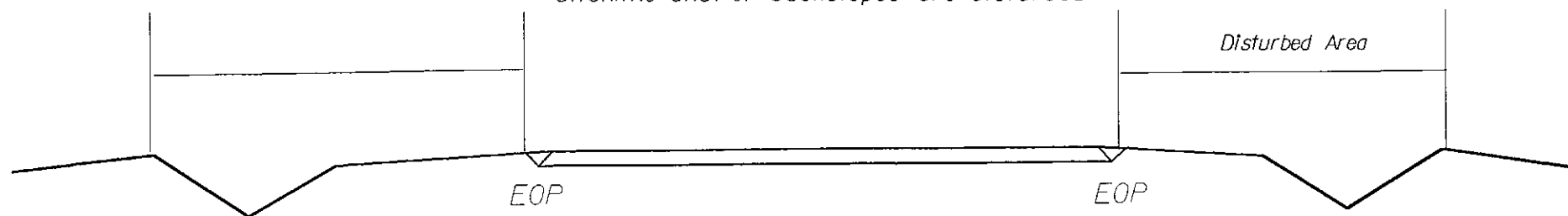
PROJECT REFERENCE NO.	SHEET NO.
2020CPT.09.09.10851 2020CPT.09.10.20851	9



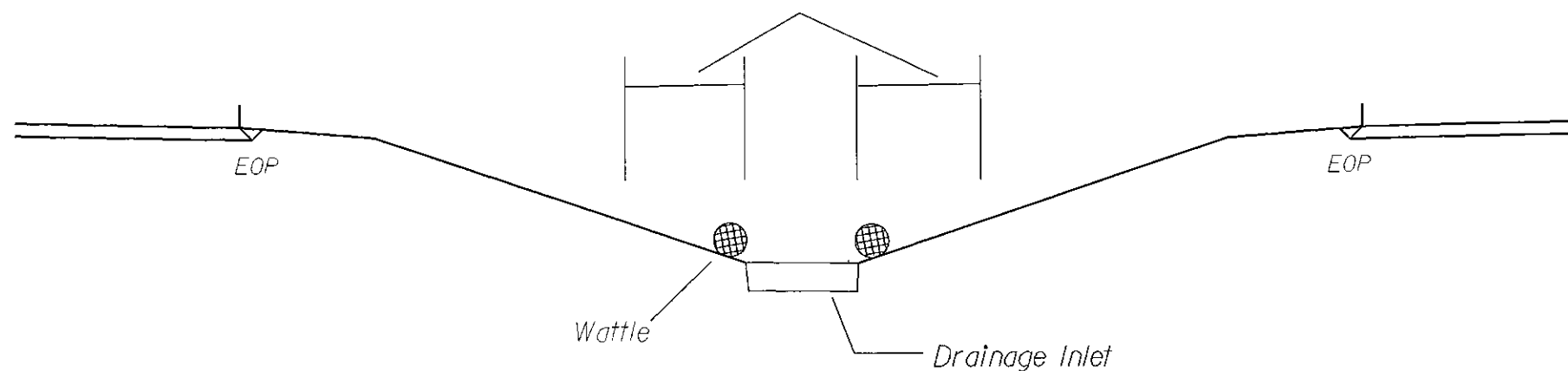
< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP



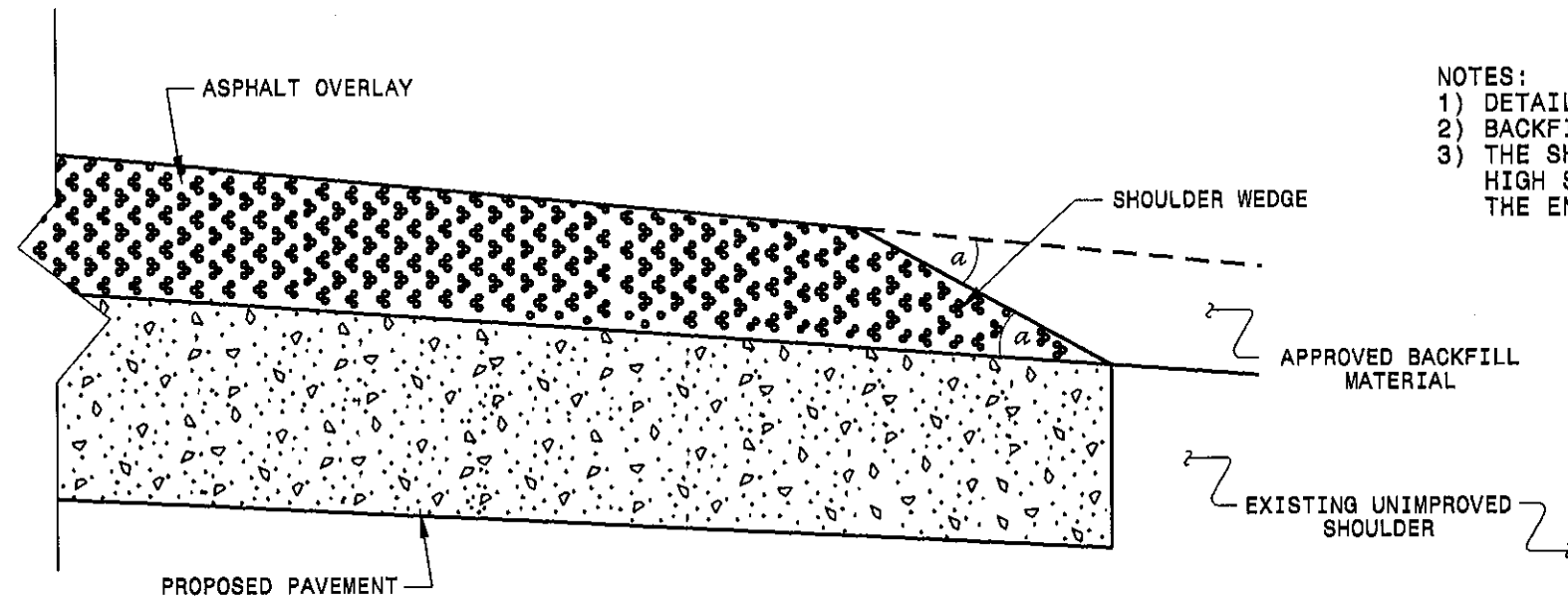
Use BMP's if shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed



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



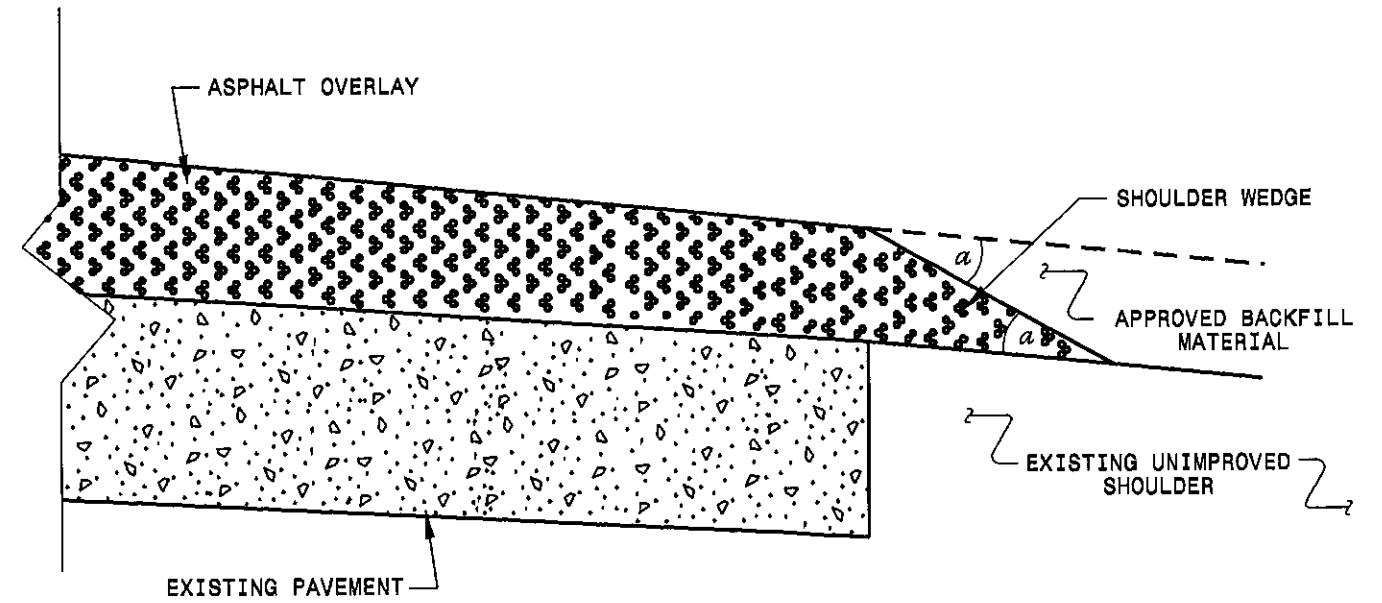
NOT TO SCALE



- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS DIRECTED BY THE ENGINEER.

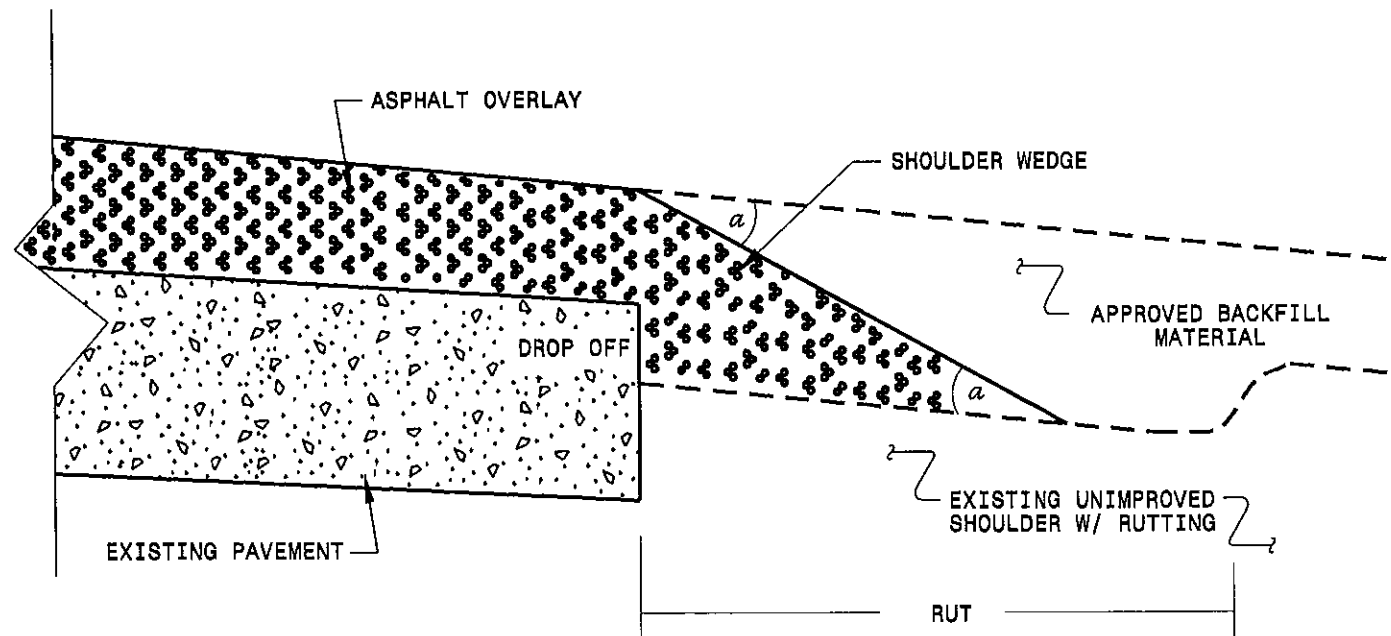
SHOULDER WEDGE DETAIL

(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.SPILL	DATE: 7-18-11
MODIFIED BY:	DATE: 10/18/12
CHECKED BY:	DATE:
FILE SPEC.: s:\er\details\stand\shoulderwedge\std1.dgn	

PROJECT NO.	SHEET NO.	TOTAL NO.
2020CPT.09.09.10851, 2020CPT.09.10.20851	12	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	0106000000-E	1220000000-E	1245000000-E	1297000000-E	1330000000-E	1519000000-E	1523000000-E	1575000000-E	1577000000-E	1662000000-E	1704000000-E	2830000000-N	2845000000-N	6000000000-E	6071010000-E				
												BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	MILLING ASPHALT PAVEMENT, 1 1/2"DEPTH	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	OGAFC, TYPE FC 1 MOD	PATCHING EXISTING PAVEMENT	ADJ. OF MANHOLES	ADJ. OF METER OR VALVE BOX	TEMPORARY SILT FENCE	WATTLE				
												MI	FT	CY	TONS	SMI	SY	SY	TONS	TONS	TONS	TONS	TONS	EA	EA	LF	LF			
2020CPT.09.09.10851	Stokes	1	NC 704	NC 772 TO NC 770	2	2	2WU	NO	NO	2.507	24	301	315	5.01	35,462			4,399	264			20				1,003	100			
TOTAL FOR MAP NO. 1												2.507		301	315	5.01	35,462			4,399	264			20				1,003	100	
2020CPT.09.09.10851	Stokes	2	NC 770	FROM NC 704 TO ROCKINGHAM CO. LINE	2	2	2WU	NO	NO	4.254	24	510	351	8.51	62,525			7,754	465			20				1,701	170			
TOTAL FOR MAP NO. 2												4.254		510	351	8.51	62,525			7,754	465			20				1,701	170	
2020CPT.09.09.10851	Stokes	3	NC 8 / NC 89	NC 8 / DODGETOWN WEST SIDE PVMT JT TO GENE MARTIN PVMT JT, OGAFAC FROM GENNE MARTIN INTERSECTION TO 2000 FT. NORT	1,5	2	2WU	NO	NO	0.881	23	106	60	1.76	11,881			1,104	66	24	402	20				352	35			
TOTAL FOR MAP NO. 3												0.881		106	60	1.76	11,881			1,104	66	24	402	20					352	35
2020CPT.09.09.10851	Stokes	4	NC 65	PVMT JT NORTH SIDE OF FAGG RD. SR 1926 TO FORSYTH CO. LINE	1	2	2WU	NO	NO	1.216	25	146	96	2.43	17,827			1,655	99			20				486	49			
TOTAL FOR MAP NO. 4												1.216		146	96	2.43	17,827			1,655	99			20				486	49	
2020CPT.09.09.10851	Stokes	5	NC 65	FROM END OF LANE TAPER EAST OF BAUX MOUNTAIN RD. SR 1949 TO APPROX. 100FT. WEST OF INTERSECTION OF NC 8	3	2	2WU	NO	NO	2.407	24	289	108	4.81			533	3,685	221			345				963	96			
TOTAL FOR MAP NO. 5												2.407		289	108	4.81			533	3,685	221			345					963	96
TOTAL FOR PROJ NO. 2020CPT.09.09.10851												11.265		1,352	990	22.52	127,695		533	18,597	1,115	24	402	425					4,505	450
2020CPT.09.10.20851	Stokes	6	PITZER RD SR 1697	FROM DAVIS CHAPEL CHURCH RD. SR 1698 TO SHEPPARD MILL RD SR 1674	3	2	2WU	NO	NO	2.573	20	309	171	5.15			444	2,807	168			280				1,029	103			
TOTAL FOR MAP NO. 6												2.573		309	171	5.15			444	2,807	168			280					1,029	103
2020CPT.09.10.20851	Stokes	7	FRIENDSHIP RD. SR 1955	FROM E.O.P. AT NC 8 TO INT. OF MOUNTAIN VIEW RD. SR 1974 AND HAWKINS RD. SR 1973	4	2	2WU	NO	NO	5.846	23	702	405	11.69	429	1,406	7,372		494			670				2,338	234			
TOTAL FOR MAP NO. 7												5.846		702	405	11.69	429	1,406	7,372		494			670					2,338	234
2020CPT.09.10.20851	Stokes	8	SPAINHOUR RD. SR 1117	WEST SIDE OF RXR CROSSING TO PVMT JT AT MOORE RD. SR 1122	3	2	2WU	NO	NO	0.585	23	70	15	1.17			511	816	49			20				234	23			
TOTAL FOR MAP NO. 8												0.585		70	15	1.17			511	816	49			20					234	23
2020CPT.09.10.20851	Stokes	9	S. MAIN ST. SR 1112	FROM E.O.P. AT OLD US 52 E. KING ST. SR 1236 TO 100 FT. NORTHEAST OF STOP BAR AT KIRBY RD. SR 1115	1,6	2	2WU	NO	NO	1.006	varies 22-57	14	20	0.23	22,610			2,096	126			20	17	14		402	40			
TOTAL FOR MAP NO. 9												1.006		14	20	0.23	22,610			2,096	126			20	17	14			402	40
TOTAL FOR PROJ NO. 2020CPT.09.10.20851												10.01		1,095	611	18.24	23,039		2,361	7,372	837			990	17	14			4,003	400
GRAND TOTAL												21.275		2,447	1,541	40.76	150,734		2,894	7,372	24,316	1,952	24	402	1,415	17	14		8,508	850

NOTE: All Quantities listed include turn lanes and are estimates; Payment will be based on actual field measurements and quantities received.

