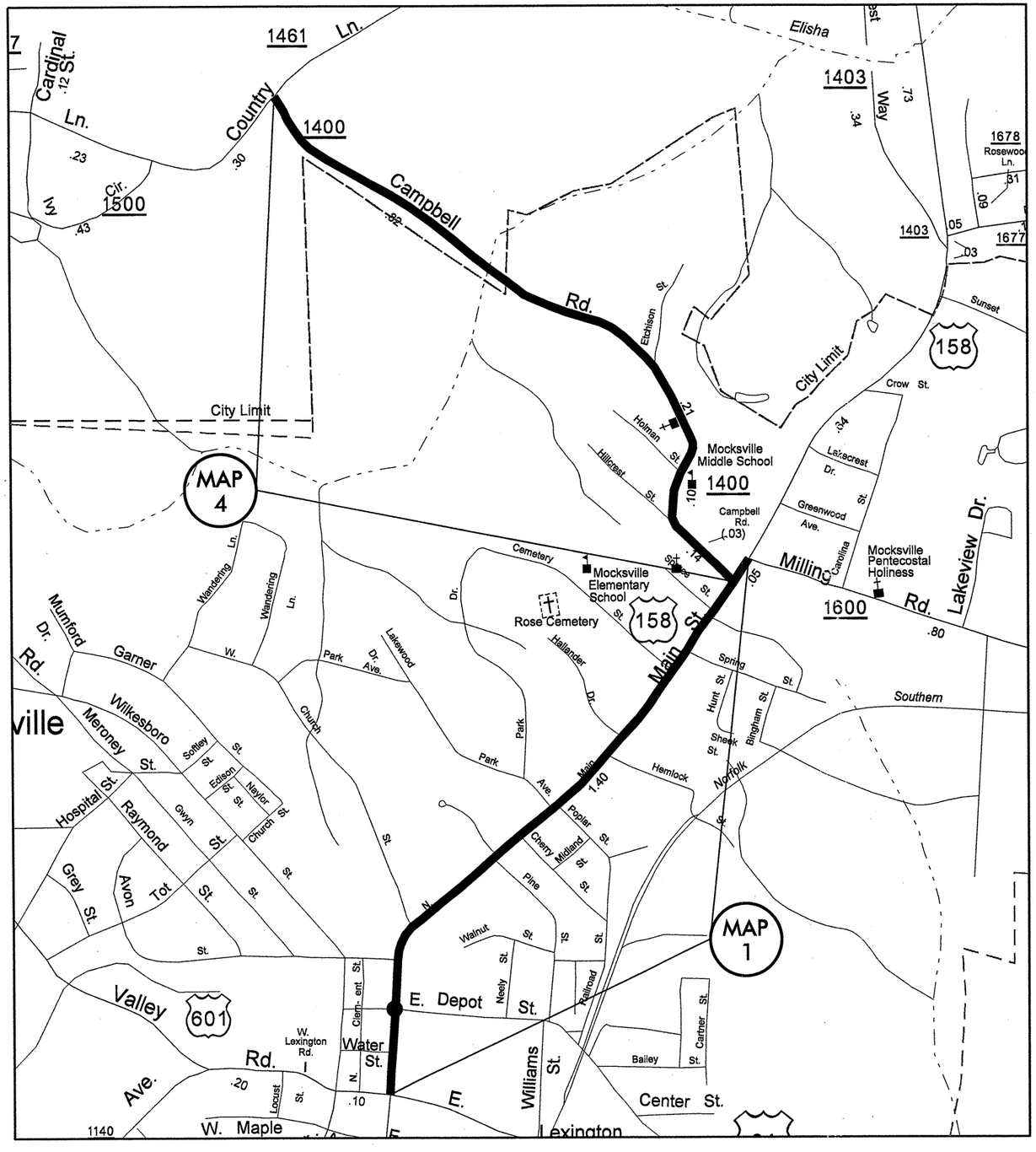
PROJECT REFERENCE NO.	SHEET NO.
9CR.10301.130, 9CR.20301.130	1

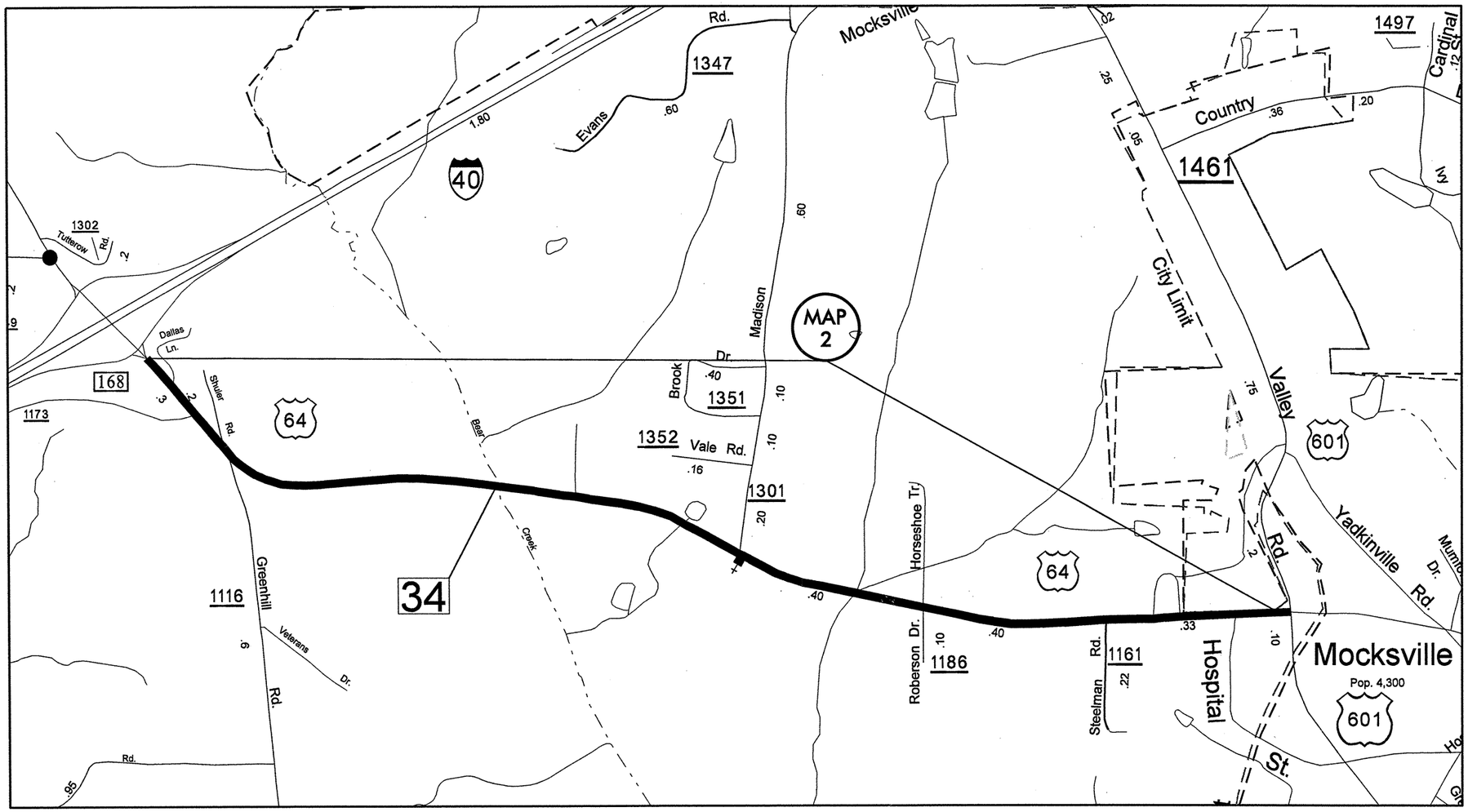


MAP 1
US 158
From Waters St. to Gaither St.
pave parking areas with 1½" SF9.5A
pinch on curb side.
Pave travel lanes with 1½" S9.5B.
from Gaither St. to Milling Road,
pave travel lanes up to 18 inches from
back of curb with 1½" S9.5B
All Patching done by State Forces.

MAP 4
CAMPBELL ROAD (SR 1400)
All Patching done by State Forces.

DAVIE COUNTY
NORTH CAROLINA

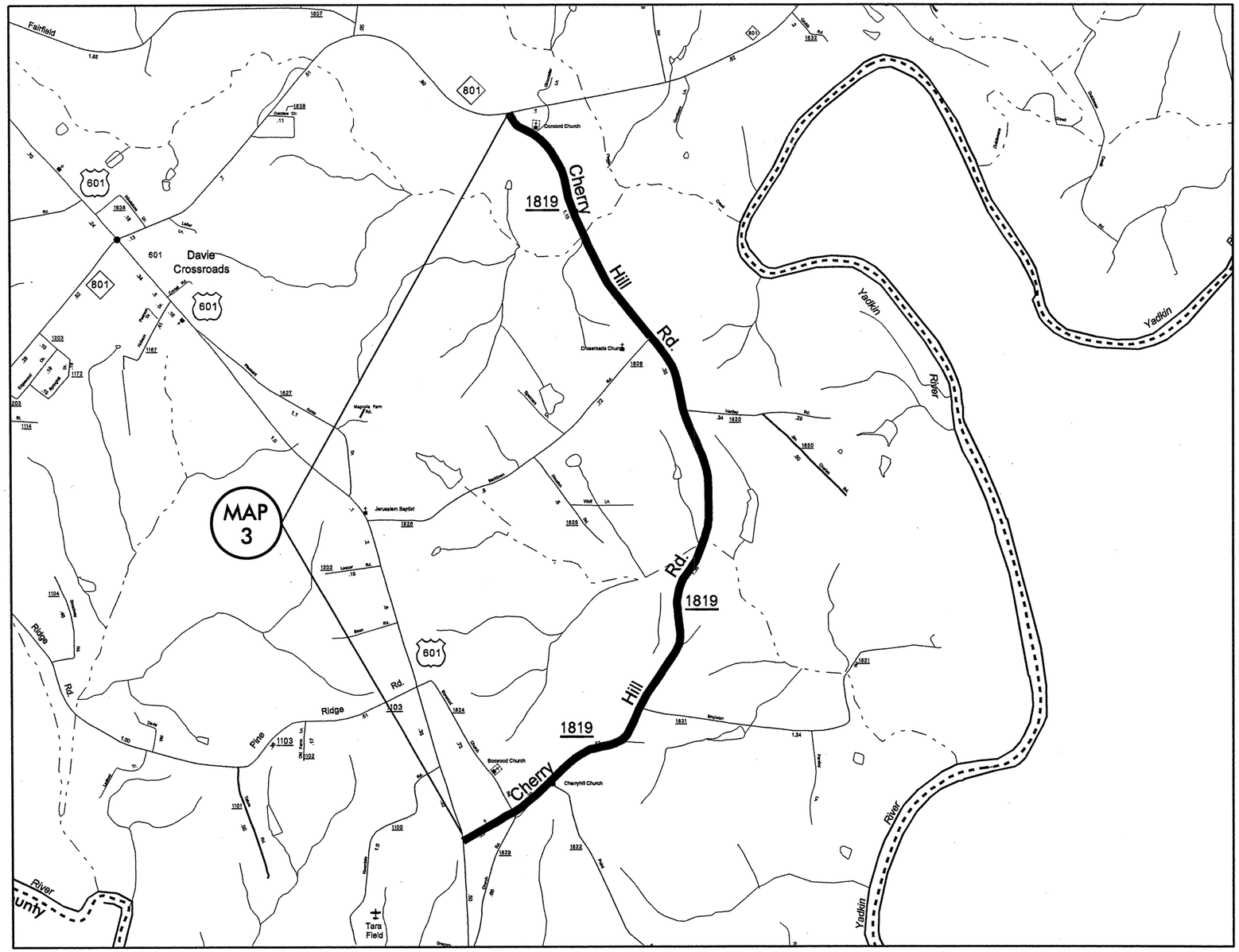
PROJECT REFERENCE NO.	SHEET NO.
9CR.10301.130, 9CR.20301.130	2



MAP 2
US 64
All Patching done by State Forces.

DAVIE COUNTY
NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
9CR.10301.130, 9CR.20301.130	3

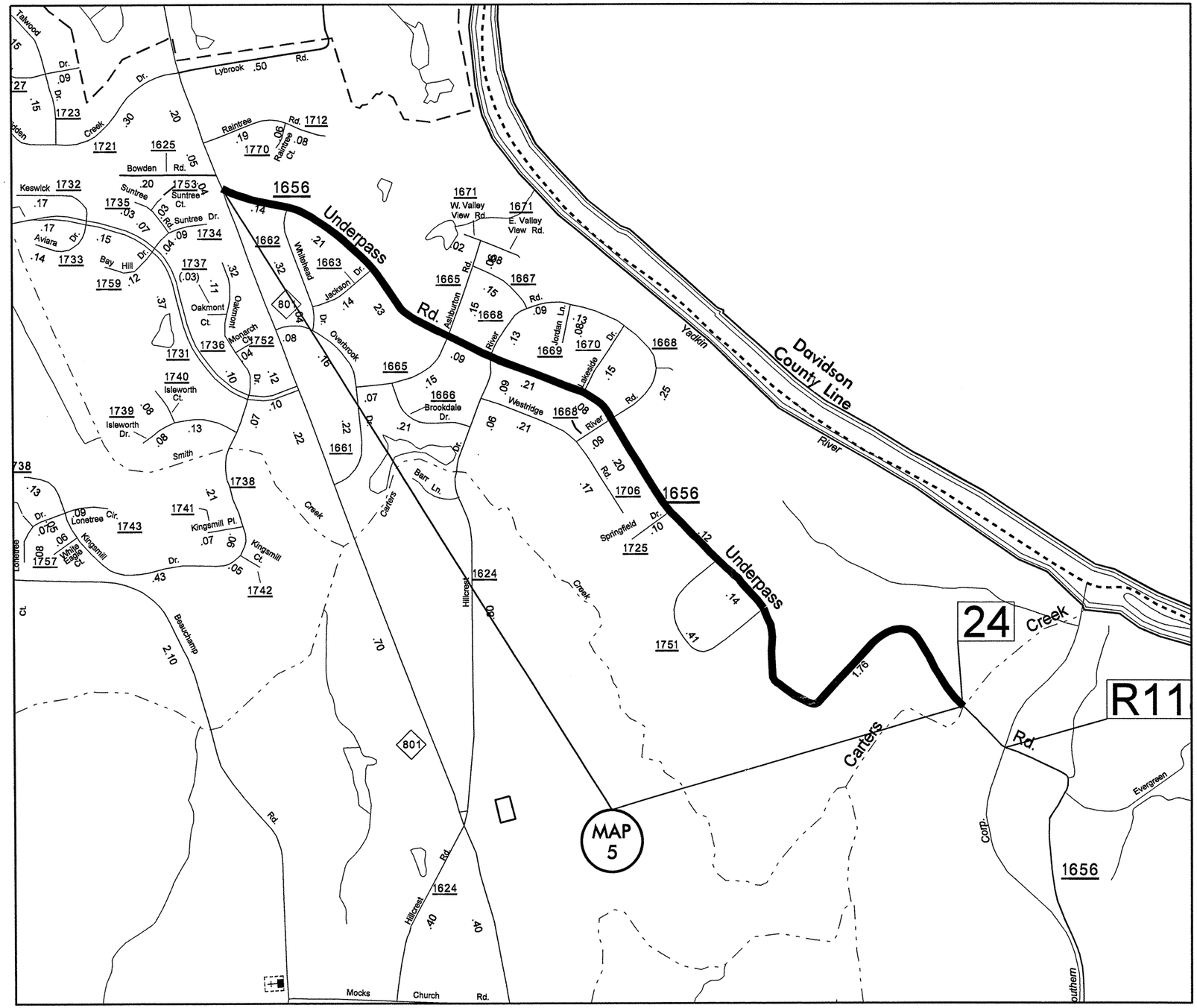


N

MAP 3
CHERRY HILL ROAD (SR 1819)
All Patching done by State Forces.

DAVIE COUNTY
NORTH CAROLINA

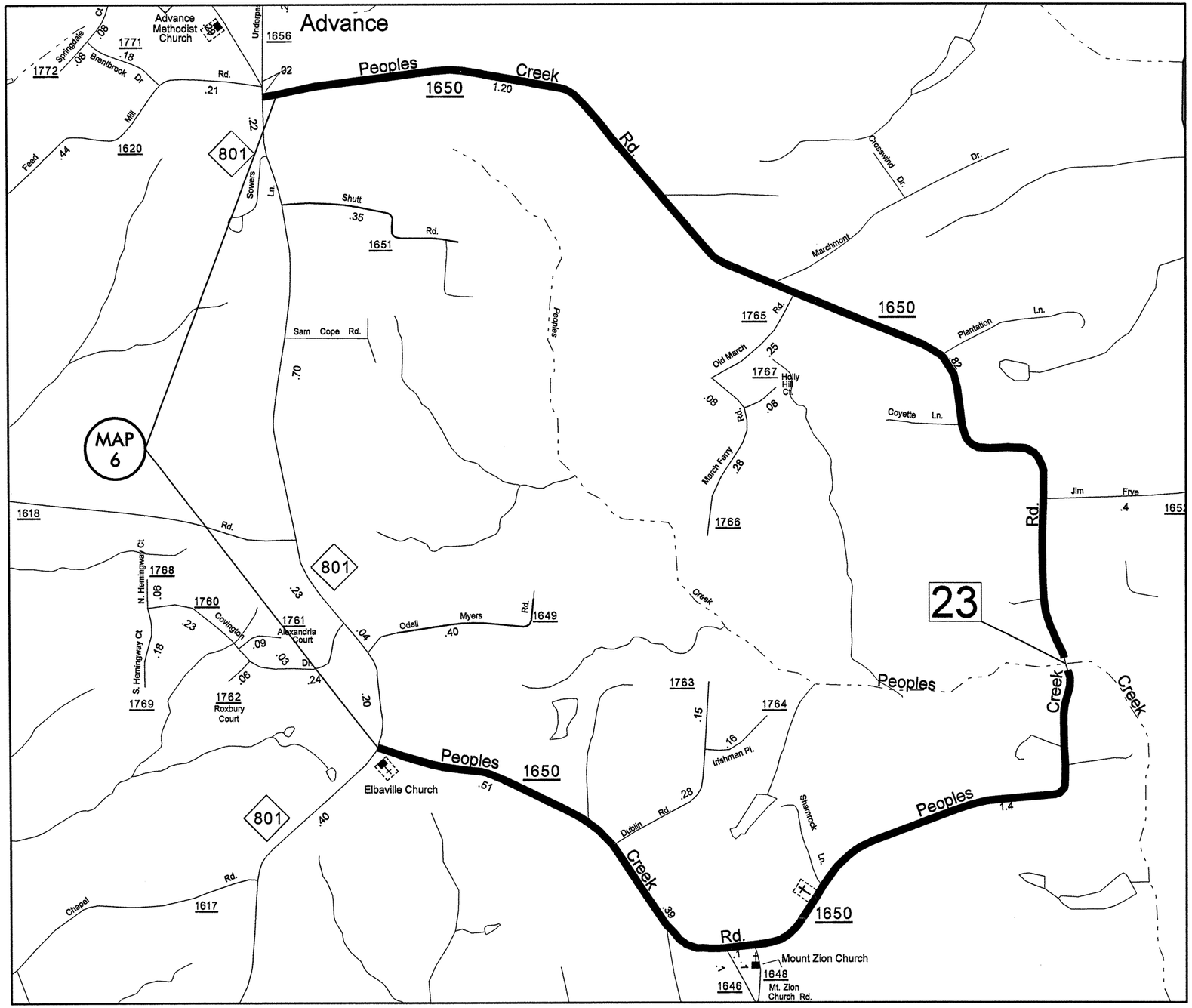
PROJECT REFERENCE NO.	SHEET NO.
9CR.10301.130, 9CR.20301.130	4



MAP 5
Underpass Road (SR 1656)
Pave to 50 Feet North of Carters Creek Bridge No.24.
All Patching done by State Forces.

DAVIE COUNTY
NORTH CAROLINA

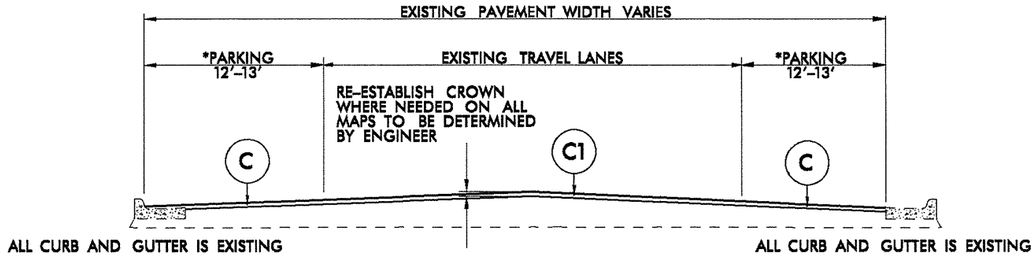
PROJECT REFERENCE NO.	SHEET NO.
9CR.10301.130, 9CR.20301.130	5



MAP 6
PEOPLES CREEK ROAD (SR 1650)
Contractor to pave up to approx. 50 feet before Bridge No. 23 each side, to accommadate bridge replacement. All Patching done by State Forces.

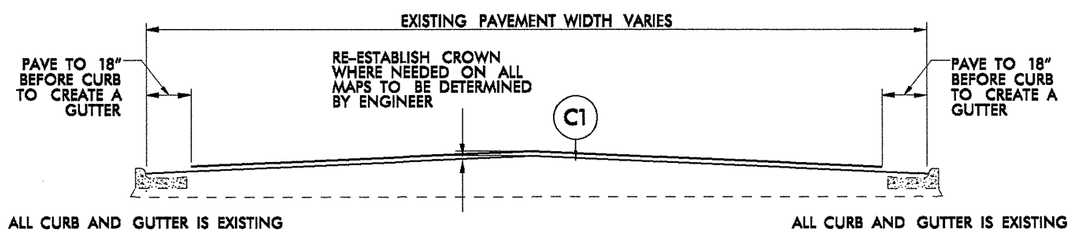
DAVIE COUNTY
NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
9CR.10301.130, 9CR.20301.130	6



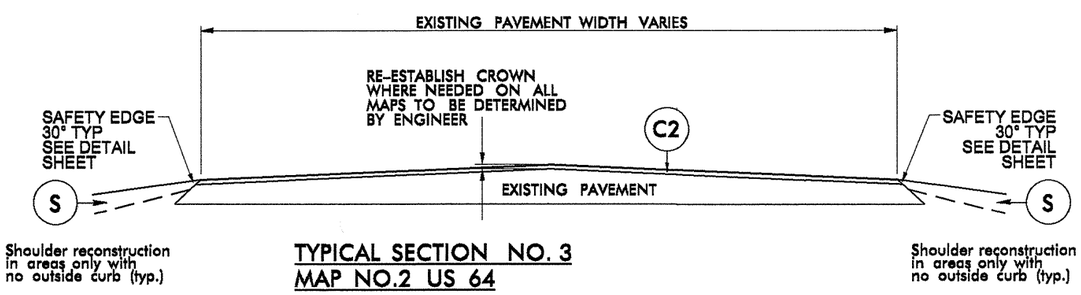
TYPICAL SECTION NO. 1
MAP NO 1 US 158 MAIN STREET

*PARKING AREAS FROM WATERS STREET TO GAITHER STREET ONLY APPROX. 920'

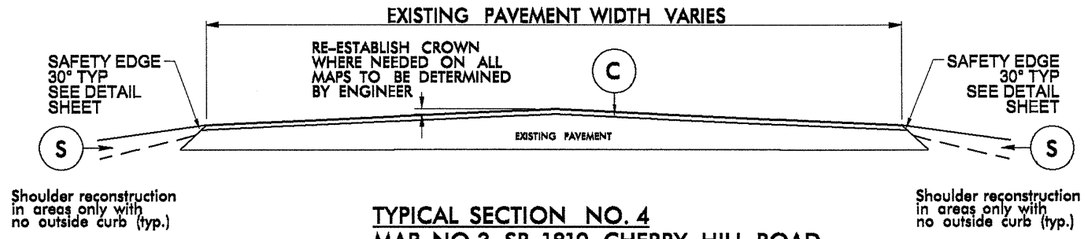


TYPICAL SECTION NO. 2
MAP NO 1 US 158 MAIN STREET

* BETWEEN GAITHER STREET AND MILLING ROAD



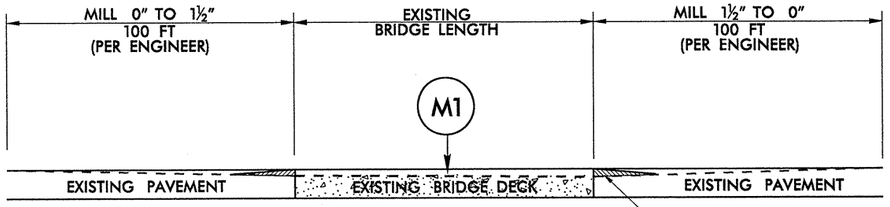
TYPICAL SECTION NO. 3
MAP NO.2 US 64



TYPICAL SECTION NO. 4
MAP NO.3 SR 1819 CHERRY HILL ROAD
MAP NO.4 SR 1400 CAMPBELL ROAD
MAP NO.5 SR 1656 UNDERPASS ROAD
MAP NO.6 SR 1650 PEOPLES CREEK ROAD

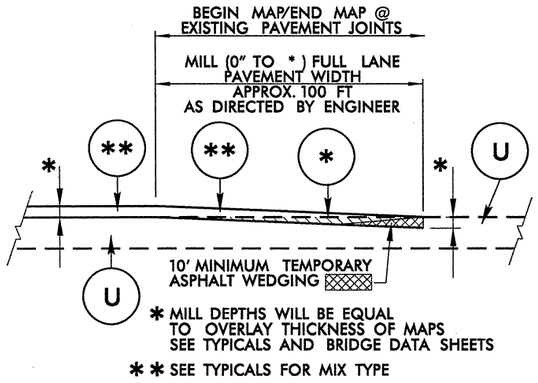
PAVEMENT SCHEDULE	
C	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, TO BE APPLIED AT AN AVERAGE RATE OF 165 LBS PER SQ YD
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
M	MILL ASPHALT PAVEMENT, 0 TO 1½" DEPTH
M1	MILL ASPHALT PAVEMENT, 1½" DEPTH
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT

PROJECT REFERENCE NO.	SHEET NO.
9CR.10301.130, 9CR.20301.130	7

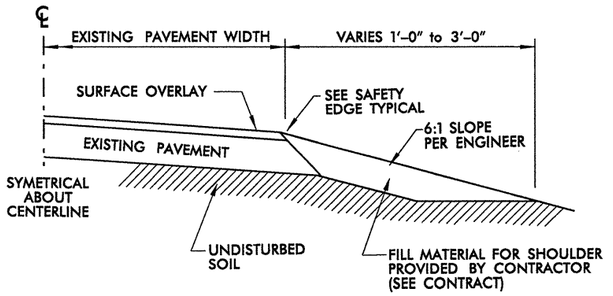


INCIDENTAL MILLING BRIDGE DECK AND APPROACHES

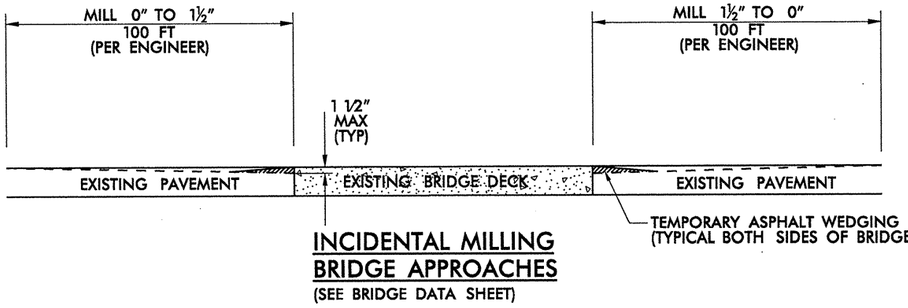
(SEE BRIDGE DATA SHEET)



TIE–IN INCIDENTAL MILLING DETAIL

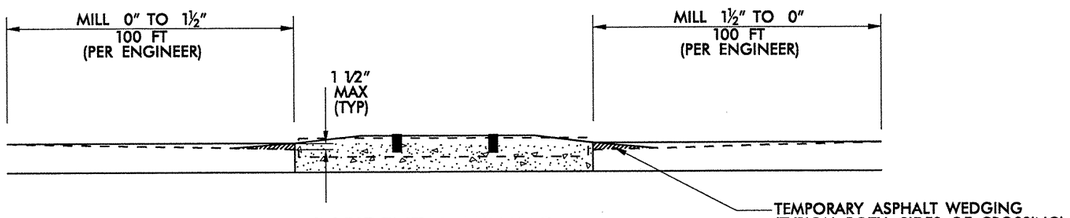


SHOULDER RECONSTRUCTION



INCIDENTAL MILLING BRIDGE APPROACHES

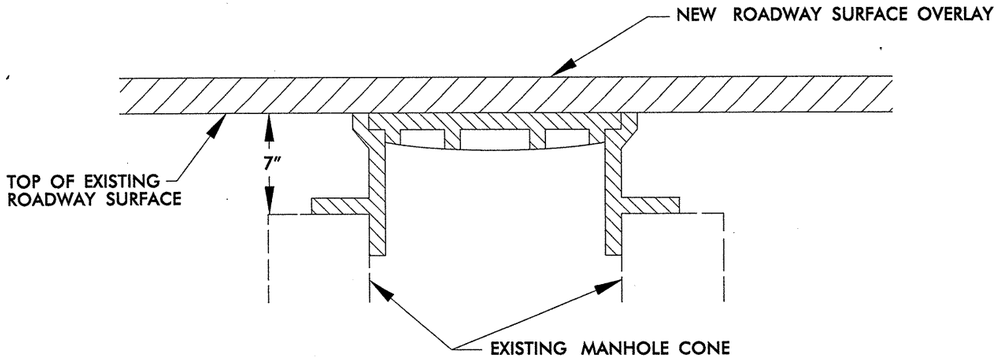
(SEE BRIDGE DATA SHEET)



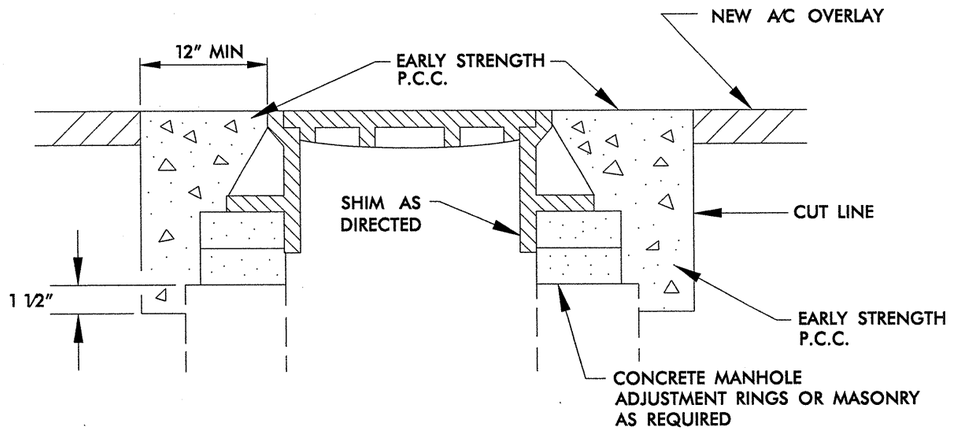
INCIDENTAL MILLING RAILROAD CROSSING APPROACHES

PAVEMENT SCHEDULE	
C	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, TO BE APPLIED AT AN AVERAGE RATE OF 165 LBS PER SQ YD
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
M	MILL ASPHALT PAVEMENT, 0 TO 1½" DEPTH
M1	MILL ASPHALT PAVEMENT, 1½" DEPTH
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT

PROJECT REFERENCE NO.	SHEET NO.
9CR.10301.130, 9CR.20301.130	8



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

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, VALVE/METER 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).

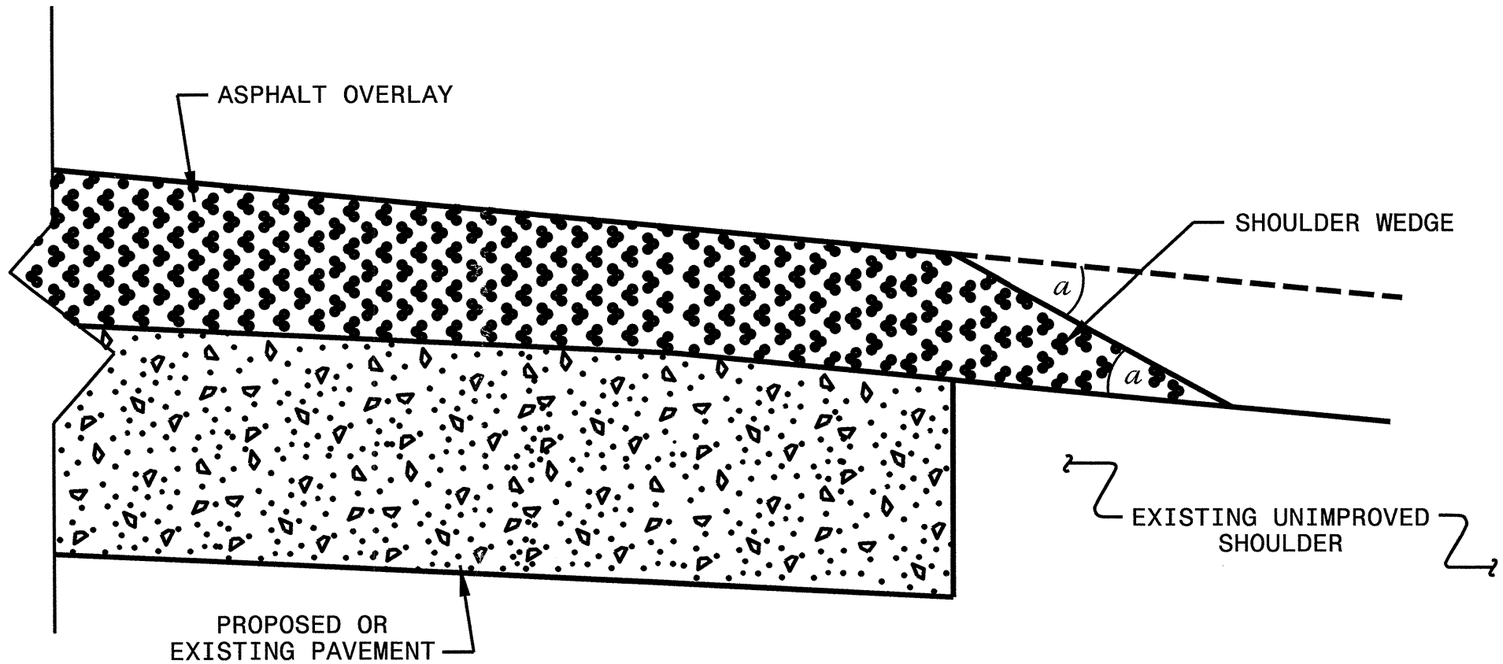
5. FOR TWO–LANE ROADWAYS – IT SHALL BE UNDERSTOOD THAT TYPICALLY ON A ROADWAY MEASURING 20 FEET OR LESS IN WIDTH, THE CENTER OF THE WHITE EDGELINE SHALL BE LOCATED SIX INCHES FROM THE EDGE OF PAVEMENT ON EITHER SIDE OF THE ROADWAY; ON A ROADWAY MEASURING 22 FEET IN WIDTH, TRAVEL LANES SHALL MEASURE 10 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

PROJECT REFERENCE NO.	SHEET NO.
9CR.10301.130, etc.	9



a - SHOULDER WEDGE ANGLE

SHOULDER WEDGE DETAIL

$$$$$$$SYSTIME$$$$$
$$$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$
$$$$$USERNAME$$$$

CONTRACT STANDARDS
AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

SHOULDER WEDGE DETAIL

ORIGINAL BY: T.SPELL DATE: 7-19-11
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: s:\usr\details\stand\shoulderwedgedetail.dgn

2012_Resurfacing_DAVIE SUMMER 2012

PROJECT NO.		SHEET NO.
9CR.10301.130		10
9CR.20301.130		

Map No.	Route No.	Route Name	Bridge No.	Feature Intersected	Floor Construction	Clear Roadway Width (Ft)	Horizontal Clearance Under (Ft.)	Vertical Clearance Under	2nd Opening Clearance Under	Length (Ft)	Posting	Recommended Treatment, From Bridge Maintenance
2	US 64	WILKESBORO ST.	34	BEAR CREEK	6.75 RC, 5.0 AWS	28	NA	NA	NA	105	NA	MILL APPROACHES, MILL DECK AND REPAVE
5	SR 1656	UNDERPASS RD.	24	CARTERS CREEK	PPCCS, 2 AWS	24	NA	NA	NA	142	NA	MILL APPROACH TO TIE IN TO BRIDGE DO NOT REPAVE BRIDGE
6	SR 1650	PEOPLES CREEK RD.	23	PEOPLES CREEK	PPCCH, 4 AWS	24.3	NA	NA	NA	31	NA	MILL 50 FEET BACK FROM BRIDGE DECK TO TIE IN, BRIDGE REPLACEMENT BY OTHERS.

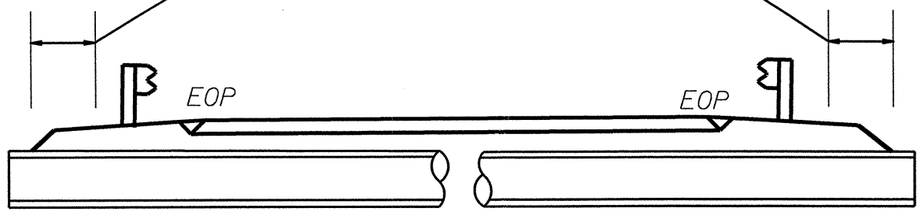
PROJECT REFERENCE NO.	SHEET NO.
9CR.1030.1.30, etc.	11

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

BMP Options: Wattle or Silt Fence

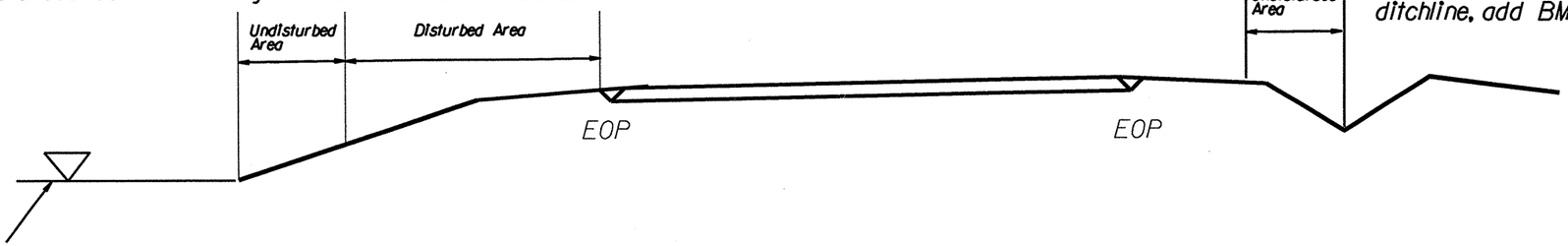
EROSION CONTROL DETAIL

< 5' - 10' Undisturbed buffer add BMP



Pipe/Culvert

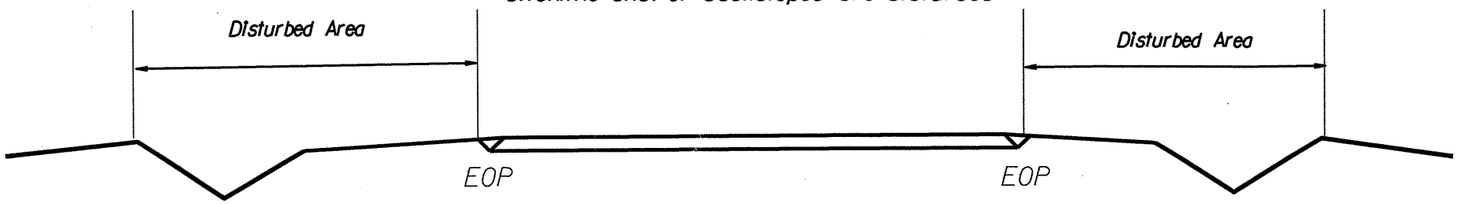
< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP



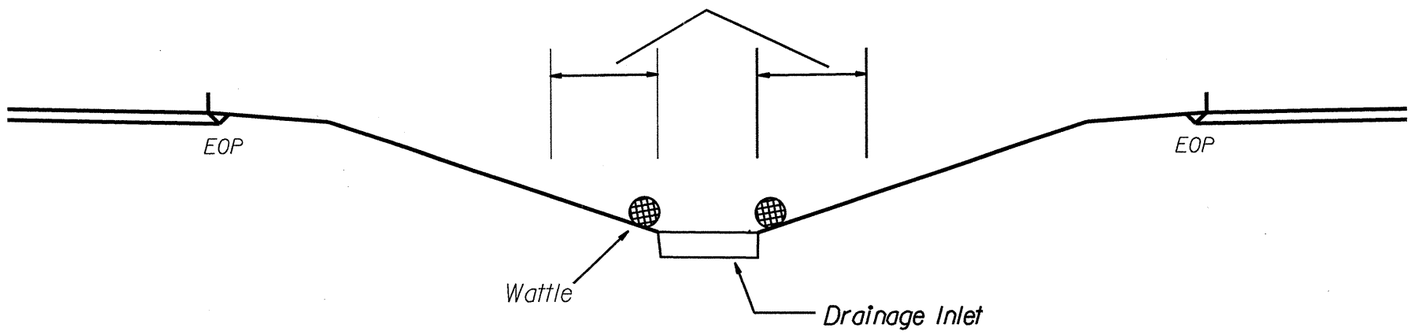
< 5' - 10' Undisturbed buffer from ditchline, add BMP

Jurisdictional Feature

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

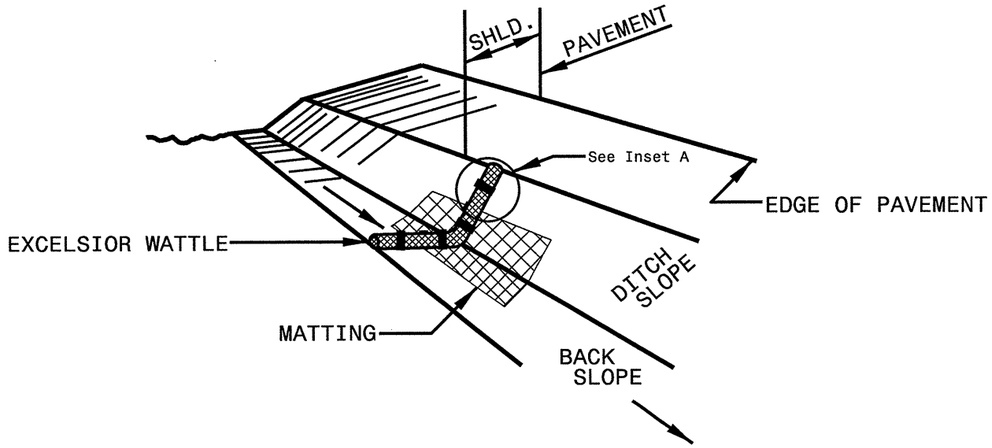


< 5' - 10' Undisturbed buffer from inlet, add wattle

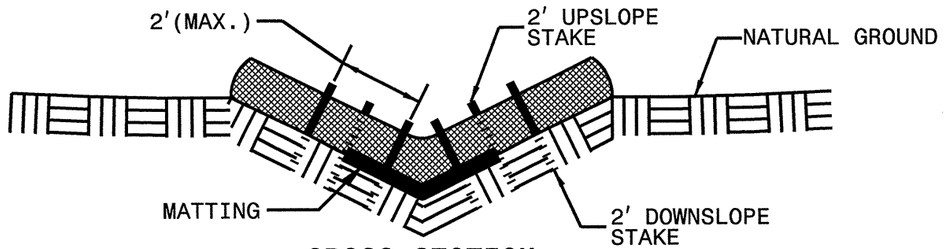


NOT TO SCALE

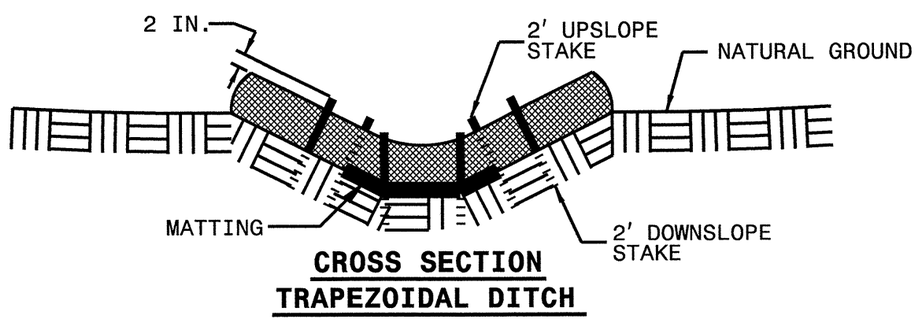
WATTLE DETAIL



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.

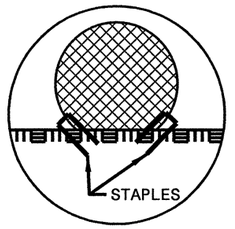
INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

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

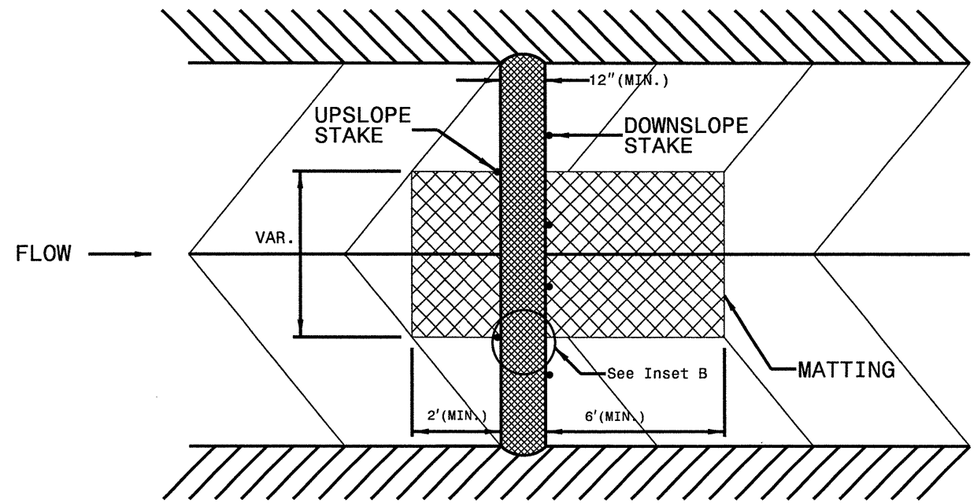
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

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

INSET A



INSET B



TOP VIEW

PROJECT NO.	SHEET NO.	TOTAL NO.
9CR.10301.130	13	
9CR.20301.130		

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	INCIDENTAL STONE BASE TONS	BORROW EXCAVATION CY	SHOULDER RECONSTRUCTION SMI	MILLING ASPHALT PAVEMENT, 1 1/2"DEPTH SY	MILLING ASPHALT PAVEMENT, 0"TO 1 1/2" DEPTH SY	INCIDENTAL MILLING SY	SURFACE COURSE, S9.5B TONS	SURFACE COURSE, S9.5C TONS	SURFACE COURSE, SF9.5A TONS	ASPHALT BINDER FOR PLANT MIX TONS	ADJ. OF DROP INLET EA	ADJ. OF MANHOLES EA	ADJ. OF METER OR VALVE BOX EA	TEMPORARY SILT FENCE LF	WATTLE LF
9CR.10301.130	Davie	1	US 158 - SOUTH MAIN ST.	FROM PAVEMENT JT AT W. WATERS ST. TO MILLING ROAD (SR1600)	1,2	NO	1.127	33						867	2,062		239	140	1	20	16		
		2	US 64	FROM BRIDGE NO.18 OVER I-40 TO US 601	3	NO	3.23	24	120	388	6.46	327	89	1,066		4,607		272					
TOTAL FOR PROJ NO. 9CR.PRIMARY							**4.357**		**120**	**388**	**6.46**	**327**	**89**	**1,933**	**2,062**	**4,607**	**239**	**412**	**1**	**20**	**16**		
9CR.20301.130	Davie	3	SR 1819 CHERRY HILL RD.	FROM 601 TO 801	4	NO	3.82	20	210	458	7.64						4,780	320				1,528	153
		4	SR 1400 CAMPBELL RD.	FROM COUNTRY LANE (SR1461) TO US 158	4	NO	1.25	20	84	150	2.50						1,339	90				500	50
		5	SR 1656 UNDERPASS ROAD	FROM 50 FEET NORTH OF CARTERS CREEK BRIDGE NO. 24 TO 801	4	NO	2.126	20	39	255	4.25						2,278	153				850	85
		6	SR 1650 PEOPLES CREEK	FROM 801 TO 801	4	NO	4.312	20	177	517	8.62						4,620	310				1,725	172
TOTAL FOR PROJ NO. 9CR.SECONDARY							**11.508**		**510**	**1,380**	**23.01**						**13,017**	**873**				**4,603**	**460**
GRAND TOTAL							**15.865**		**630**	**1,768**	**29.47**	**327**	**89**	**1,933**	**2,062**	**4,607**	**13,256**	**1,285**	**1**	**20**	**16**	**4,603**	**460**

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4685000000-E 4" X 90 M WHITE THERMO LF	4695000000-E 8" X 90 M YELLOW THERMO LF	4686000000-E 4" X 120 M YELLOW THERMO LF	4686000000-E 4" X 120 M WHITE THERMO LF	4697000000-E 8" X 120 M WHITE THERMO LF	4905000000-N SNOW PLOWABLE MARKERS EA	4710000000-E 24" X 120 M WHITE THERMO LF	4721000000-E THERMO MSG SCHOOL 120 M EA	4721000000-E THERMO MSG ONLY 120 M EA	4725000000-E THERMO LT ARROW 90 M EA	4725000000-E THERMO STR & RT ARROW 90 M EA	4725000000-E THERMO STR ARROW 90 M EA	4725000000-E THERMO RT ARROW 90 M EA	4725000000-E THERMO STR & LT ARROW 90 M EA
9CR.10301.130	Davie	1	US 158 - SOUTH MAIN ST.	FROM PAVEMENT JT AT W. WATERS ST. TO MILLING ROAD (SR1600)	1.1	33			11,901	1,219	675		116	12		6	4	3	1	
		2	US 64	FROM BRIDGE NO.18 OVER I-40 TO US 601	3.2	24	34,489	79	36,029	1,012		213	47		4	6	2	4	4	1
TOTAL FOR PROJ NO. 9CR.PRIMARY					**4.4**		34,489	**79**	**47,930**	**2,231**	**675**	**213**	**163**	**12**	**4**	**12**	**6**	**7**	**5**	**1**
									50,161					**16**		**31**				
9CR.20301.130	Davie	3	SR 1819 CHERRY HILL RD.	FROM 601 TO 801	3.8	20	41,103		40,339											
		4	SR 1400 CAMPBELL ROAD	FROM COUNTRY LANE (SR1461) TO US 158	1.3	20	13,450		13,200				100	12						
		5	SR 1656 UNDERPASS ROAD	FROM 50 FEET NORTH OF CARTERS CREEK BRIDGE NO. 24 TO 801	2.1	20	22,876		22,451											
		6	SR 1650 PEOPLES CREEK	FROM 801 TO 801	4.3	20	46,397		45,535											
TOTAL FOR PROJ NO. 9CR.SECONDARY					**12**		**123,826**		**121,525**				100	12						
									121,525					**12**						
GRAND TOTAL					**16**		**158,315**	**79**	**169,455**	**2,231**	**675**	**213**	**263**	**24**	**4**	**12**	**6**	**7**	**5**	**1**
									171,686					**28**		**31**				

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