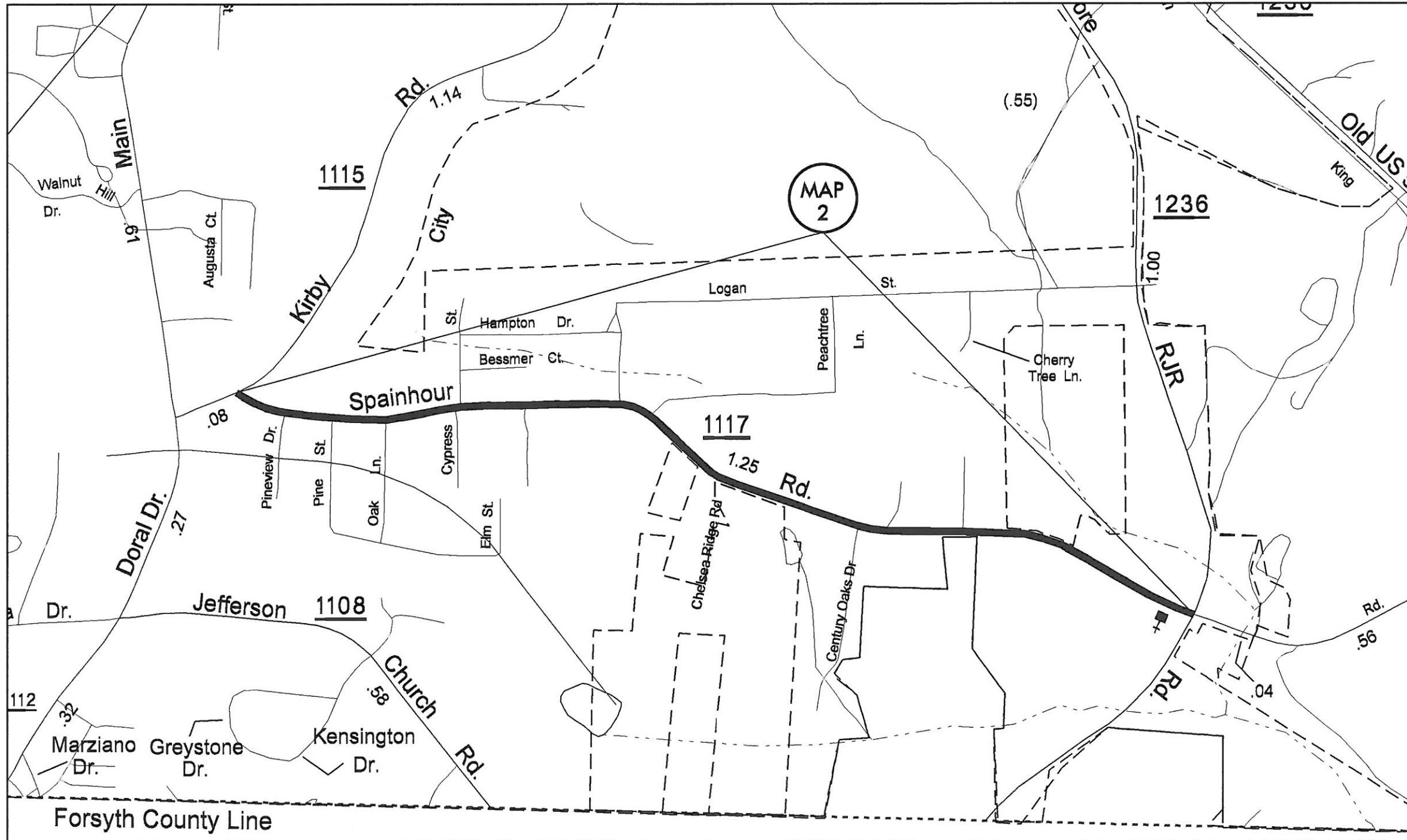


MAP 1
 SR 1105 MEADOWBROOK DRIVE
 Butt Mill at Main St. (SR 1112)

MAP 3
 SR 1102 TRINITY CHURCH RD.
 Butt Mill at both ends of map.

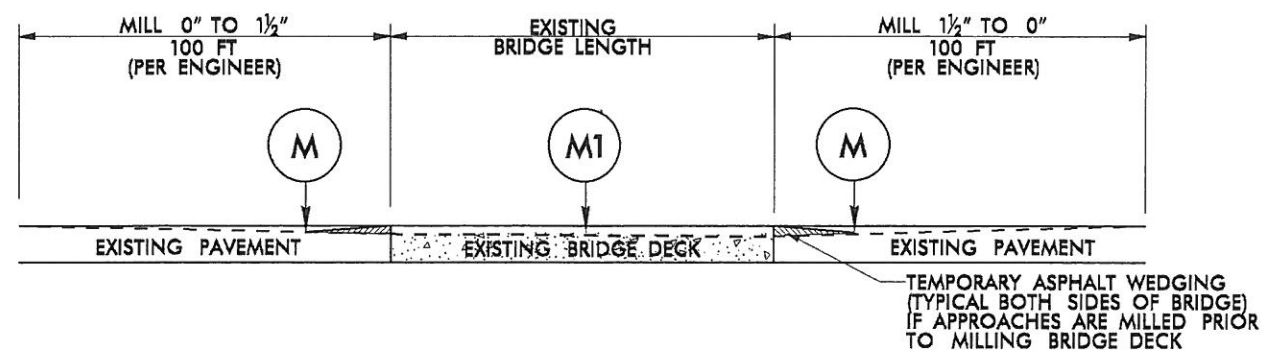
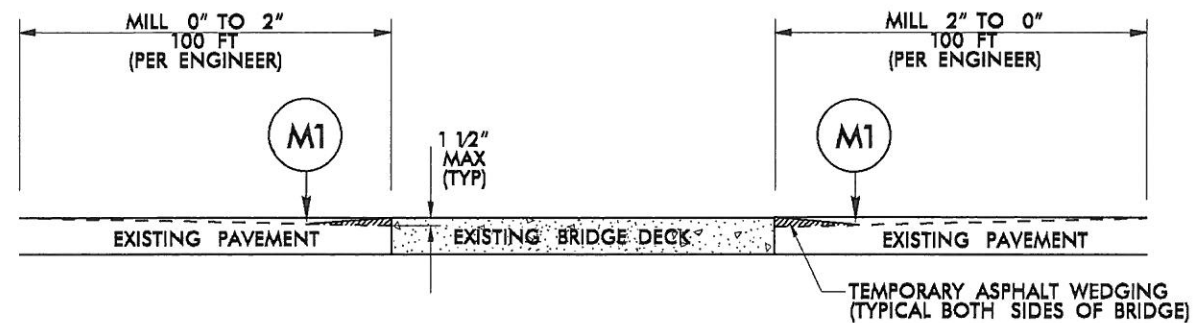
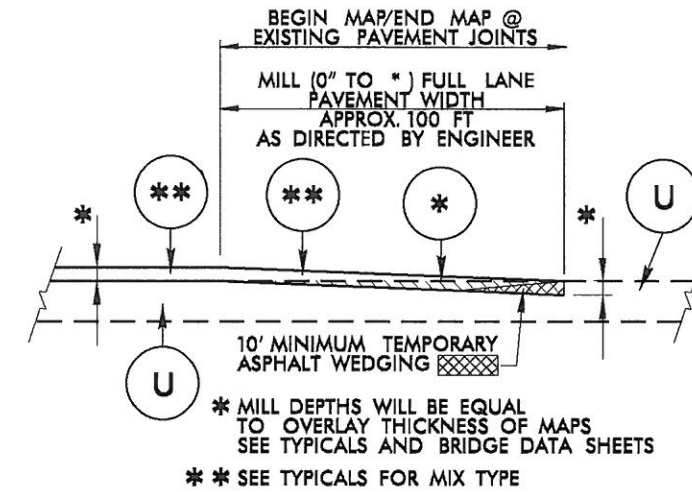
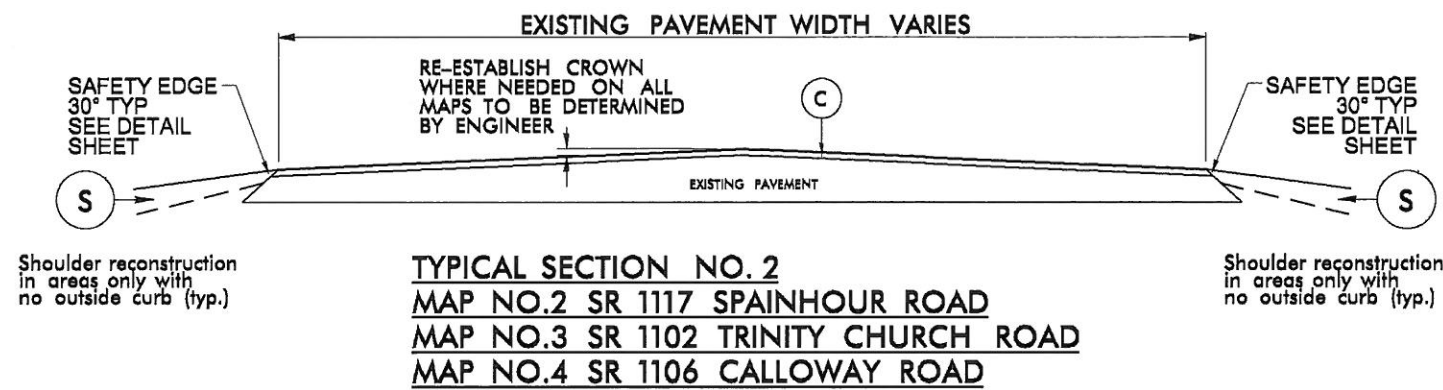
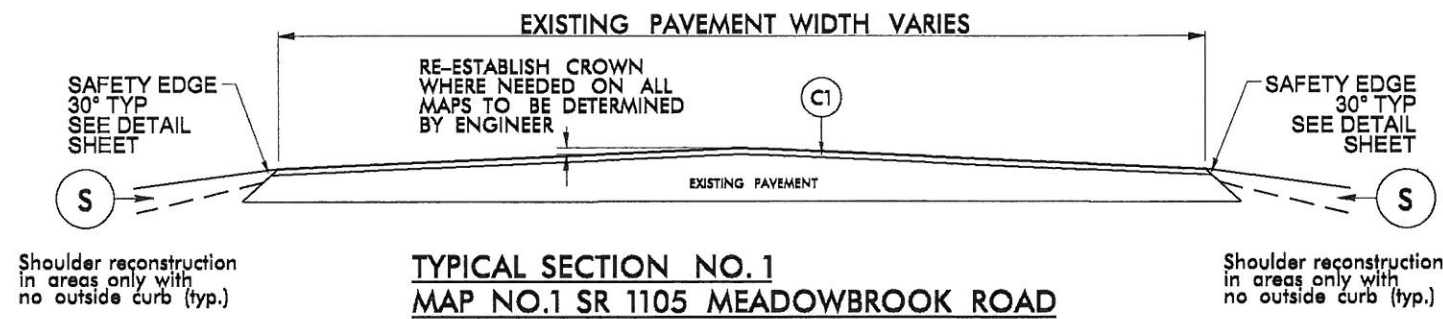
MAP 4
 SR 1106 CALLOWAY RD.
 Do Not Tie in Mill.
 Tie into New pavement at
 each end.

STOKES COUNTY
 NORTH CAROLINA

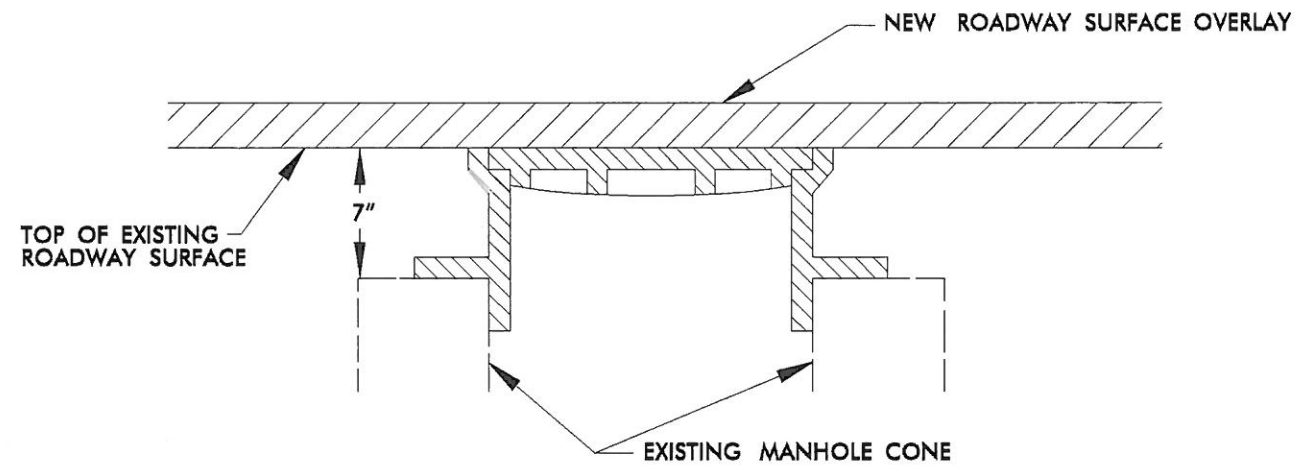
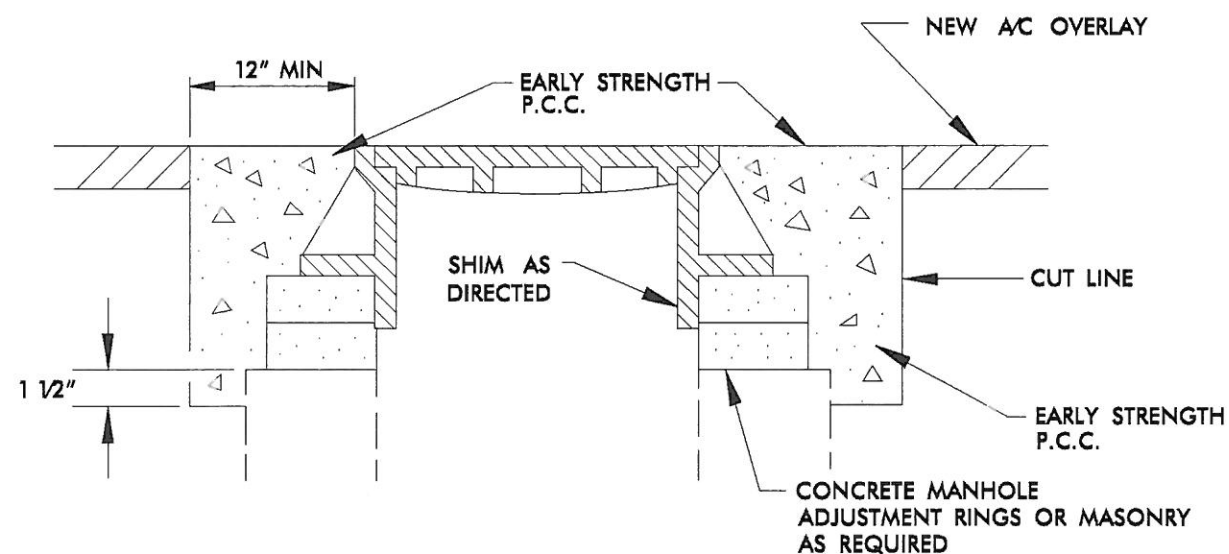


MAP 2
 SR 1117 SPAINHOUR ROAD
 BUTT MILL at both ends of map.

STOKES COUNTY
 NORTH CAROLINA



PAVEMENT SCHEDULE	
C	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
C1	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 224 LBS PER SQ YD
M	MILL ASPHALT PAVEMENT, 0 TO 1½" DEPTH
M1	MILL ASPHALT PAVEMENT, 0 TO 2" DEPTH
M2	MILL ASPHALT PAVEMENT, 1½" DEPTH
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT

**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:**

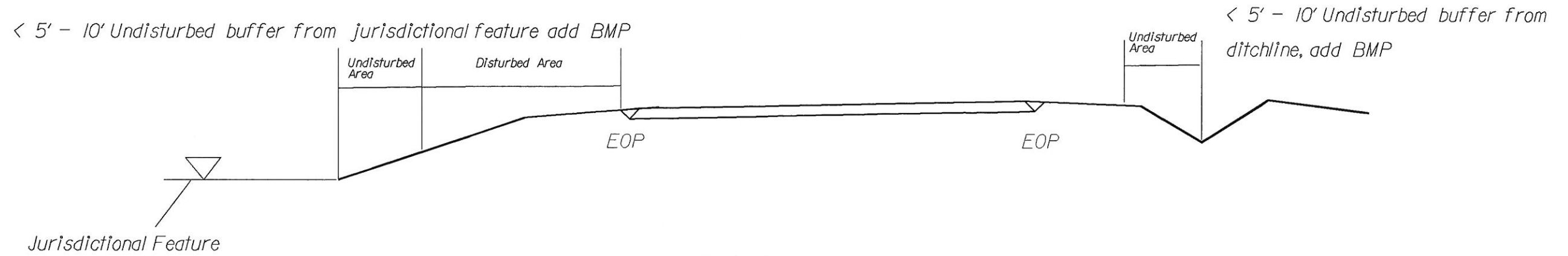
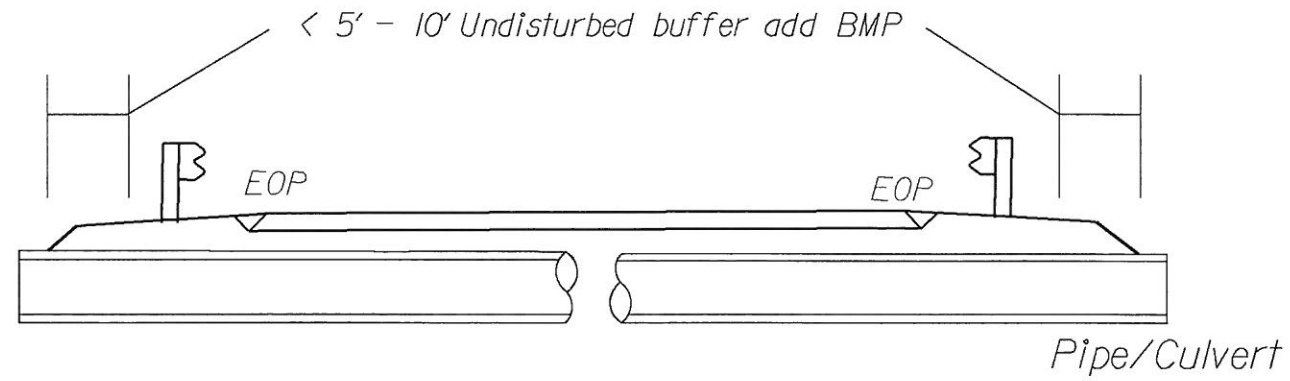
- ALL QUANTITIES ARE "ESTIMATED" AS INDICATED IN THE "SUMMARY OF QUANTITIES".
- CONSTRUCTION SHALL PROGRESS IN PHASES, IN THE ORDER INDICATED BELOW:
 - PHASE 1 - MILLING AND PATCHING (WHEN REQUIRED)
 - PHASE 2 - SURFACE OVERLAY
 - PHASE 3 - SHOULDER DROP-OFF REPAIR (AS NEEDED AND DIRECTED BY ENGINEER)
 - PHASE 4 - UTILITY ADJUSTMENTS (MANHOLE RING/COVER, VALVE/METER BOX RING/COVER, CATCH BASIN GRATE/COVER, DROP INLET GRATE/COVER, ETC.) WHEN REQUIRED.
- 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.
- 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).
- 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.
- PAPER JOINTS ARE TO BE PLACED BETWEEN DAYS OF PAVING OPERATIONS AS SPECIFIED IN THE STANDARD SPECIFICATIONS SECTION 610-11.
- ALL MILLED AREAS WILL BE PAVED WITHIN 72 HOURS UNLESS APPROVED BY THE ENGINEER.
- 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

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

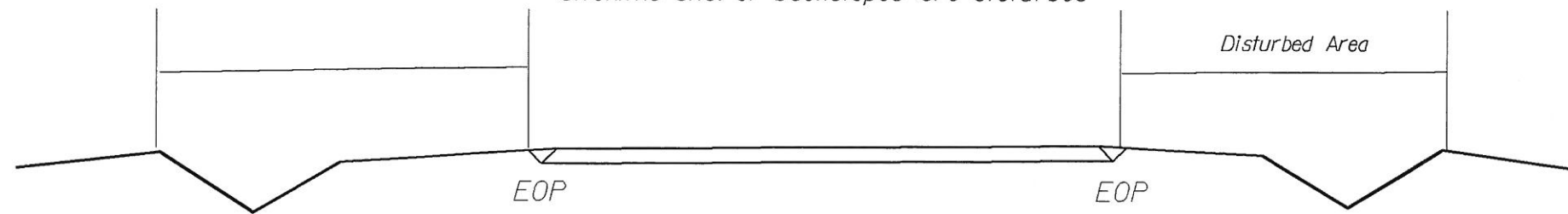
BMP Options: Wattle or Silt Fence

EROSION CONTROL DETAIL

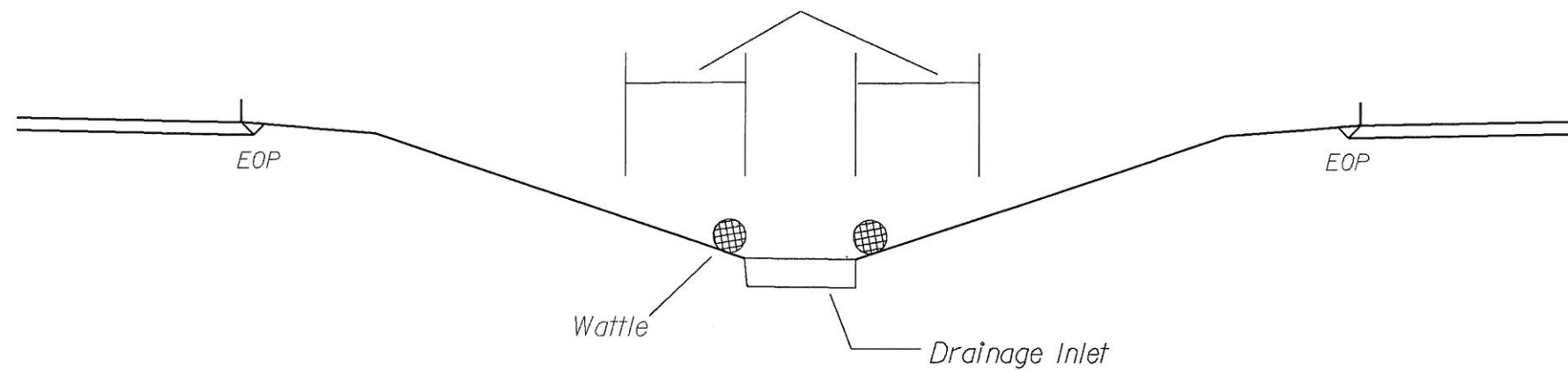
PROJECT REFERENCE NO.	SHEET NO.
9CR.20851.131	5



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 NO.	SHEET NO.	TOTAL NO.
9CR.20851.131	7	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	BORROW EXCAVATION CY	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SMI	MILLING ASPHALT PAVEMENT, 1 1/2" DEPTH SY	INCIDENTAL MILLING SY	SURFACE COURSE, S9.5B TONS	ASPHALT BINDER FOR PLANT MIX TONS	ADJ. OF MANHOLES EA	ADJ. OF METER OR VALVE BOX EA	TEMPORARY SILT FENCE LF	WATTLE LF		
9CR.20851.131	Stokes	1	SR 1105 MEADOWBROOK DRIVE	FROM MAIN ST. (SR1112) TO APPROXIMATELY 50 FEET PAST MEADOW VIEW DR. (NS)		NO	NO	3.171	23	381	228	6.34		1,022	5,310	319		7	1,268	127		
TOTAL FOR MAP NO. 1								3.171		381	228	6.34		1,022	5,310	319		7	1,268	127		
9CR.20851.131	Stokes	2	SR 1117 SPAINHOUR ROAD	FROM KIRBY ROAD SR 1115 TO MOORE RJR ROAD SR 1970		NO	NO	1.193	24	143	42	2.39		533	1,613	97	2	2	477	48		
TOTAL FOR MAP NO. 2								1.193		143	42	2.39		533	1,613	97	2	2	477	48		
9CR.20851.131	Stokes	3	SR 1102 TRINITY CHURCH ROAD	FROM PVMT JOINT AT SR 1127 DALTON RD. TO PVMT. JOINT AT SR 1106 CALLOWAY RD.		NO	NO	1.331	22	160	39	2.66	579	978	1,596	96	2		532	53		
TOTAL FOR MAP NO. 3								1.331		160	39	2.66	579	978	1,596	96	2		532	53		
9CR.20851.131	Stokes	4	SR 1106 CALLOWAY ROAD	FROM SR 1105 MEADOWBROOK DR. TO SR 1102 TRINITY CHURCH RD.		NO	NO	0.826	24	99	72	1.65			1,080	65			330	33		
TOTAL FOR MAP NO. 4								0.826		99	72	1.65			1,080	65			330	33		
TOTAL FOR PROJ NO. SECONDARY																						
GRAND TOTAL								6.521		783	381	13.04	579	2,533	9,599	577	4	9	2,607	261		

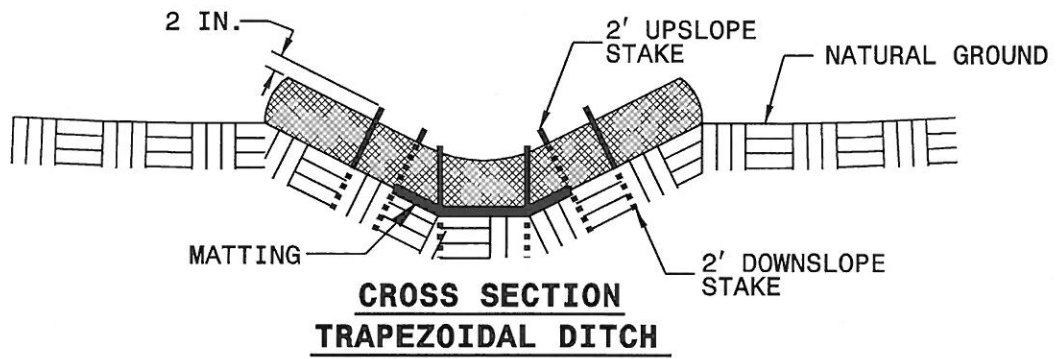
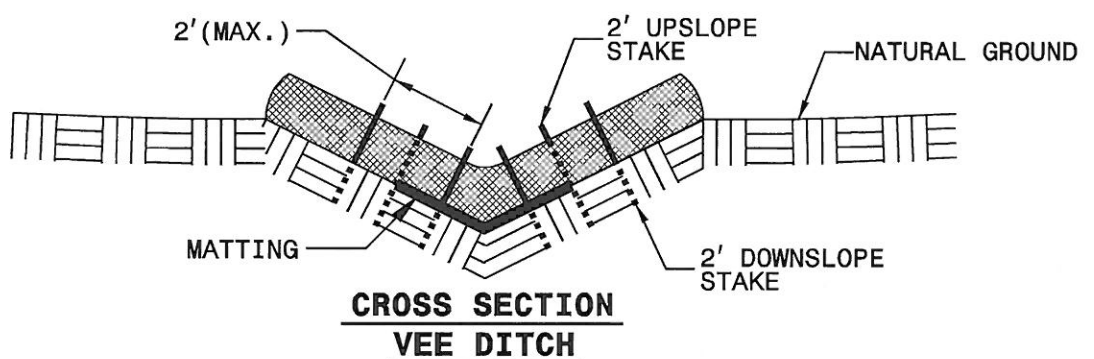
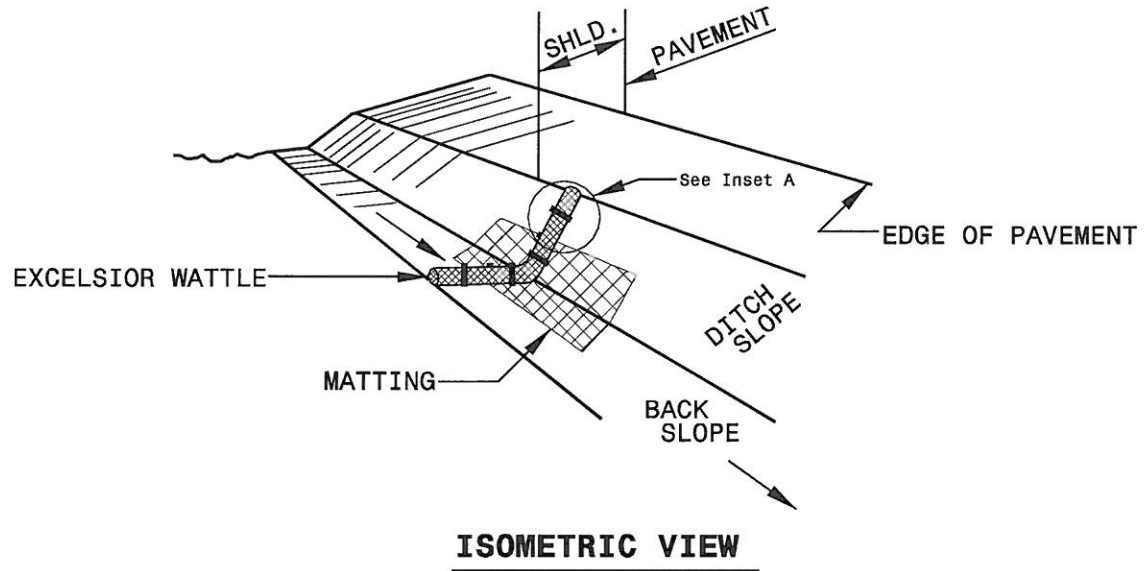
PROJECT NO.	SHEET NO.	TOTAL NO.
9CR.20851.131	8	

THERMOPLASTIC AND PAINT QUANTITIES

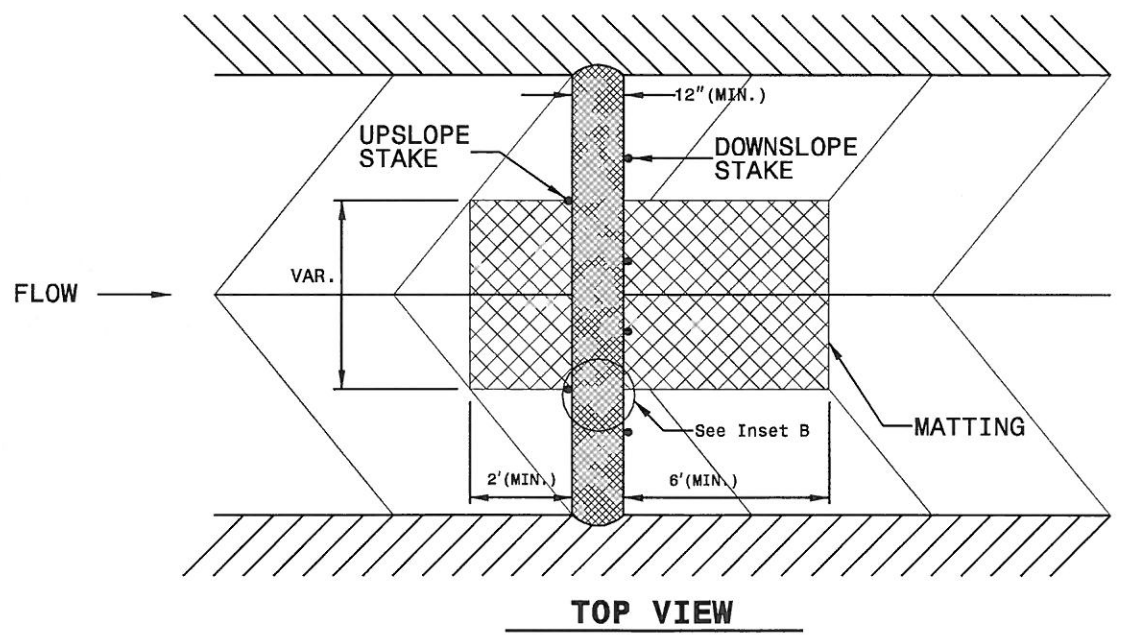
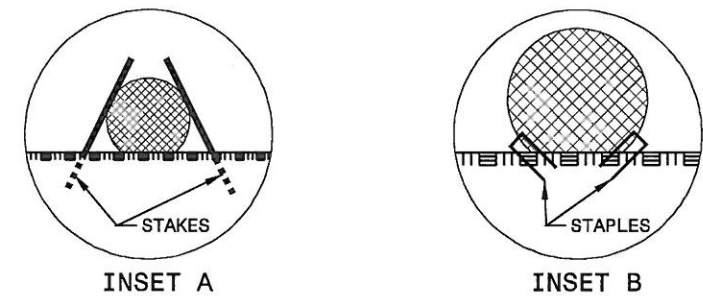
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4685000000-E	4686000000-E	4688000000-E	4710000000-E	4721000000-E	4725000000-E	4835000000-E	4840000000-N		
							4" X 90 M WHITE THERMO LF	4" X 120 M YELLOW THERMO LF	4" X 120 M WHITE THERMO LF	6" X 90 M YELLOW THERMO LF	24" X 120 M WHITE THERMO LF	THERMO MSG SCHOOL 120 M EA	THERMO LT ARROW 90 M EA	THERMO STR ARROW 90 M EA	24" WHITE PAINT LF	PAINT MSG SCHOOL EA
9CR.20851.131	Stokes	1	SR 1105 MEADOWBROOK DRIVE	FROM MAIN ST. (SR1112) TO APPROXIMATELY 50 FEET PAST MEADOW VIEW DR. (NS)	3.171	23	34,120	33,486			100	12				
TOTAL FOR MAP NO. 1					3.171		34,120	33,486			100	12				
9CR.20851.131	Stokes	2	SR 1117 SPAINHOUR ROAD	FROM KIRBY ROAD SR 1115 TO MOORE RJR ROAD SR 1970	1.193	24	12,837	12,598	95	72	168	12	2	2		
TOTAL FOR MAP NO. 2					1.193		12,837	12,598	95	72	168	12	2	2		
9CR.20851.131	Stokes	3	SR 1102 TRINITY CHURCH ROAD	FROM PVMT JOINT AT SR 1127 DALTON RD. TO PVMT. JOINT AT SR 1106 CALLOWAY RD.	1.331	22	14,322	14,055								
TOTAL FOR MAP NO. 3					1.331		14,322	14,055								
9CR.20851.131	Stokes	4	SR 1106 CALLOWAY ROAD	FROM SR 1105 MEADOWBROOK DR. TO SR 1102 TRINITY CHURCH RD.	0.826	24	8,888	8,723								
TOTAL FOR MAP NO. 4					0.826		8,888	8,723								
TOTAL FOR PROJ NO. SECONDARY					6.521		70,167	68,862	95	72	268	24	2	2	100	12
							68,957			4						
GRAND TOTAL					6.521		70,167	68,862	95	72	268	24	2	2	100	12
							68,957			4						

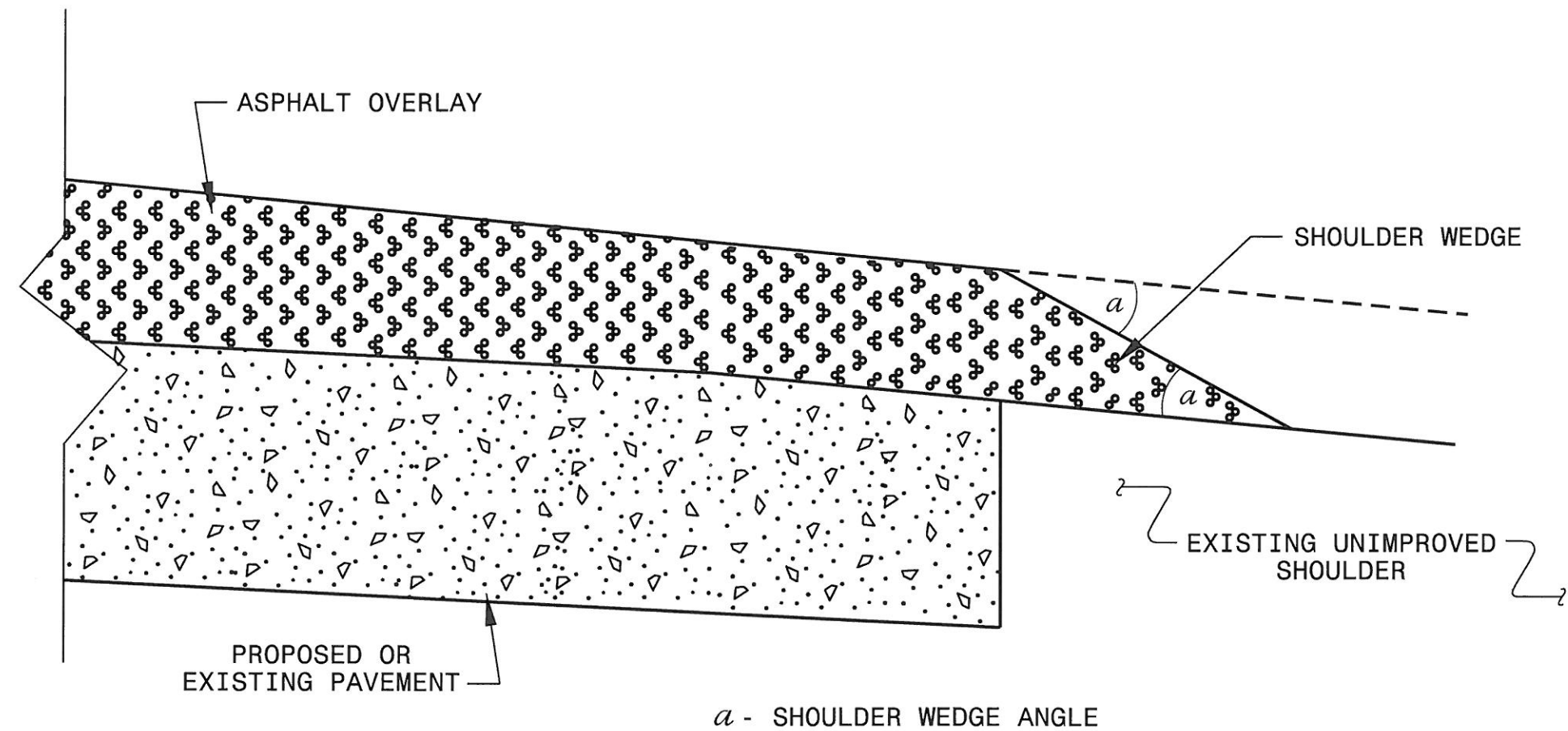
PROJECT REFERENCE NO.	SHEET NO.
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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.





SHOULDER WEDGE DETAIL

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 \$\$\$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:\ar\details\stand\shoulderwedgedetail.dgn	