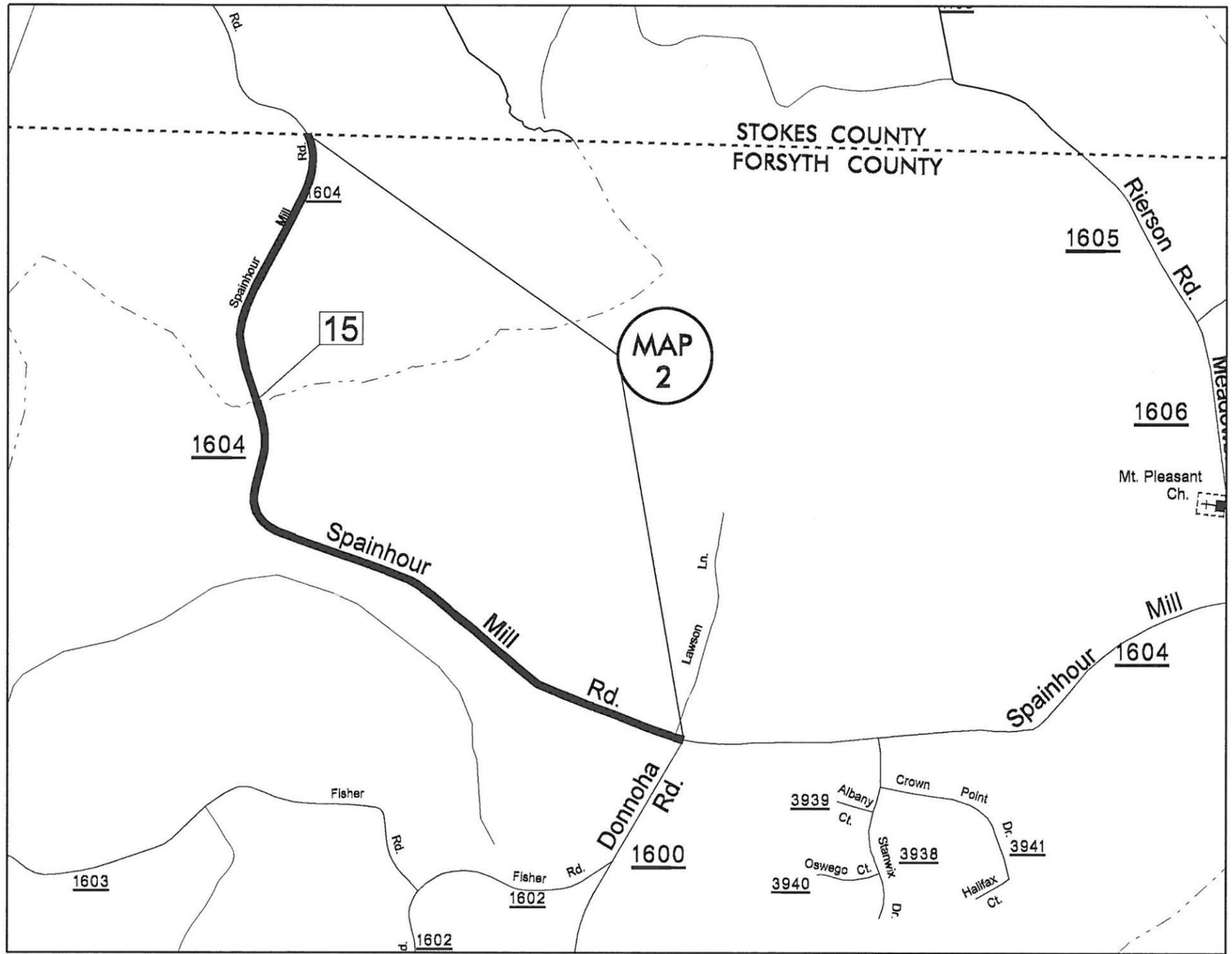


Map 1
SR 2024 Old Valley School Rd.



MAP 3
Spainhour Mill Rd.

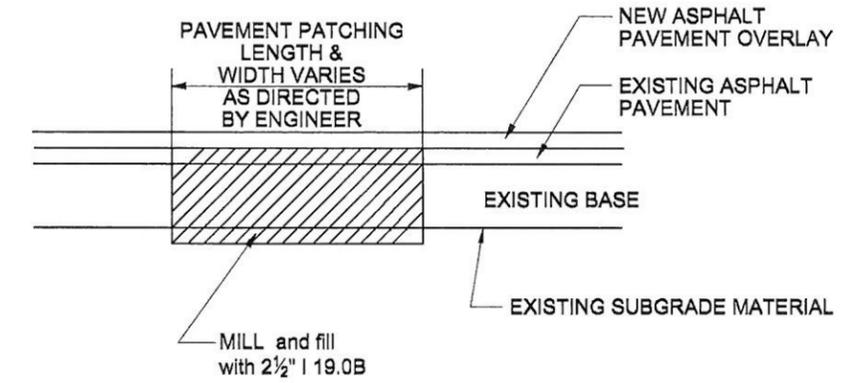
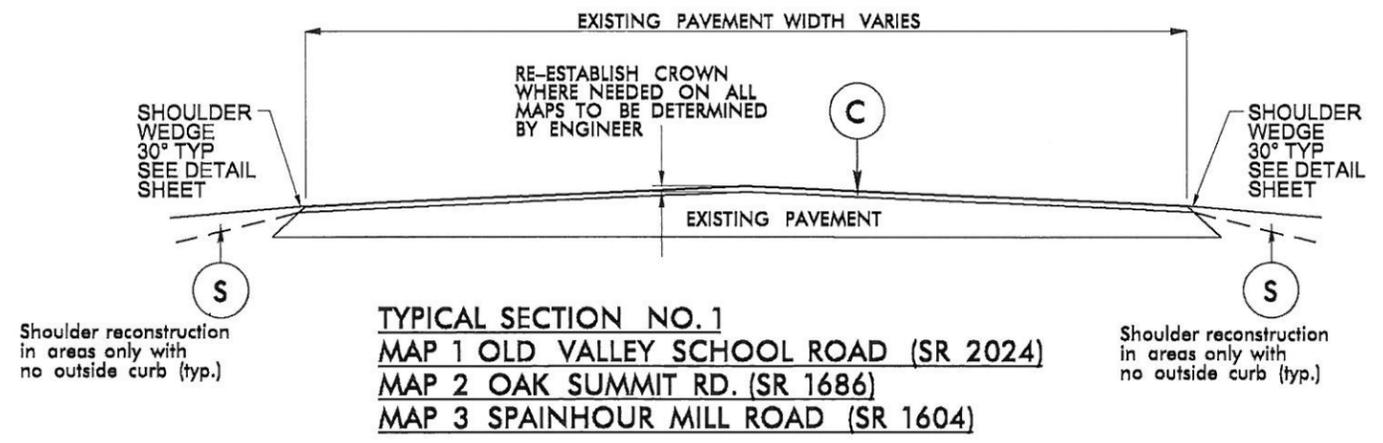
Paving under this Contract is to new surface of Bridge Project; Contractor is to tie into new Pavement joints at Construction Limits.
If Paving under this contract happens before Bridge Paving Operation, Contractor is to create paper joints for Bridge Paving to tie into.



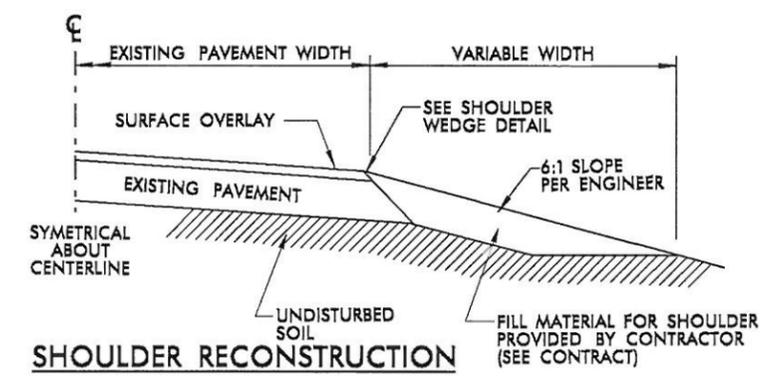
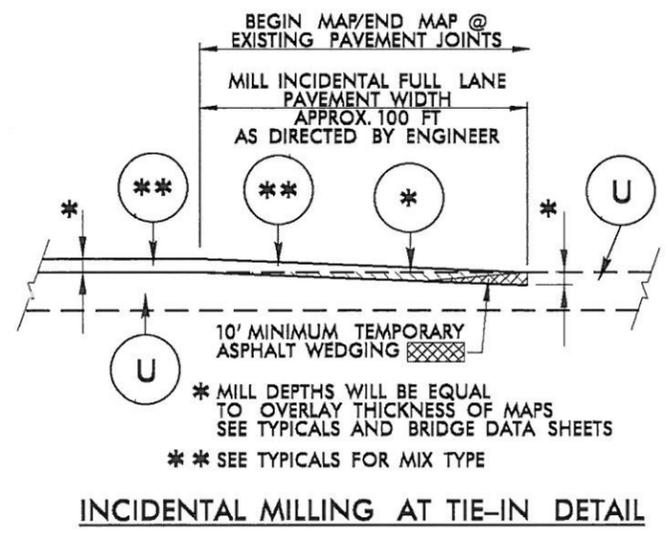
AREA OF RESURFACING = 3,100 SY
SHEET 3

AREA OF RESURFACING = 9,250 SY
SHEET 4





DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR TO RESURFACING



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 IN EACH OF TWO LAYERS.
M	MILL ASPHALT PAVEMENT, 0" TO 1½"
M1	MILL ASPHALT PAVEMENT, 1½" DEPTH
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT

CONSTRUCTION NOTES:

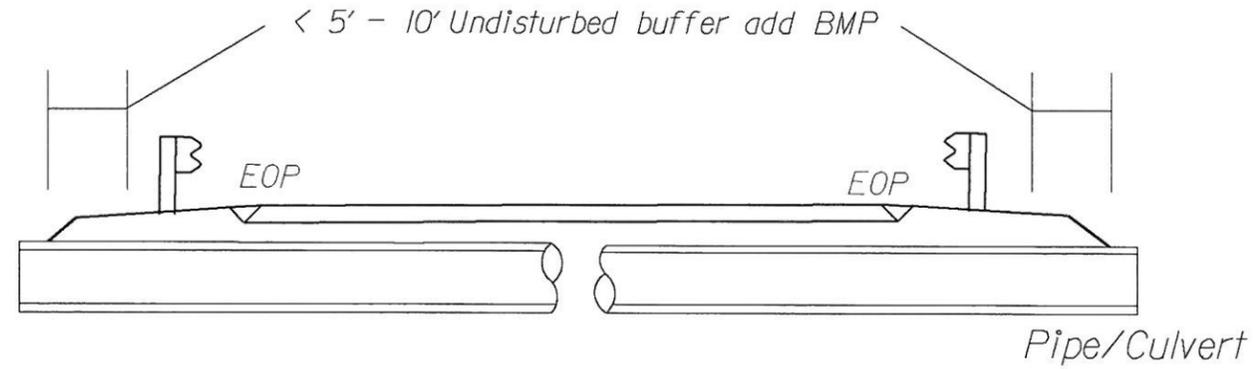
1. ALL QUANTITIES ARE "ESTIMATED" AS INDICATED IN THE "SUMMARY OF QUANTITIES".
2. CONSTRUCTION SHALL PROGRESS IN PHASES, IN THE ORDER INDICATED BELOW:
 - PHASE 1 - MILLING AND PATCHING (WHEN REQUIRED)
 - PHASE 2 - SURFACE OVERLAY
 - PHASE 3 - SHOULDER DROP-OFF REPAIR (AS NEEDED AND DIRECTED BY ENGINEER)
 - PHASE 4 - UTILITY ADJUSTMENTS (MANHOLE RING/COVER, 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.
9. 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.

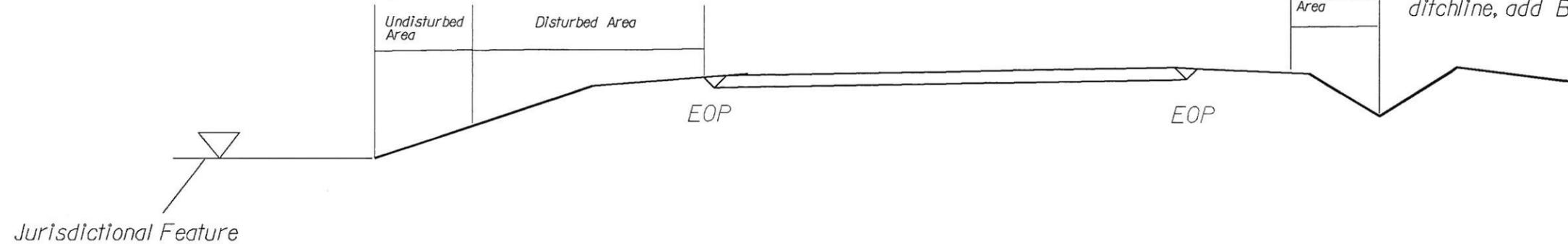
BMP Options: Wattle or Silt Fence

EROSION CONTROL DETAIL

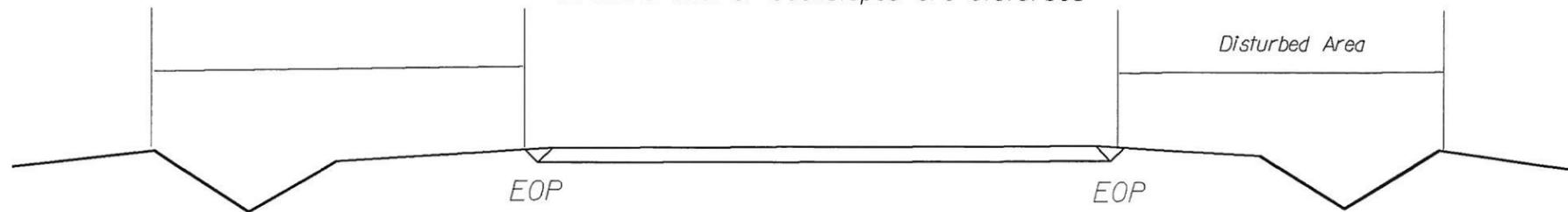
PROJECT REFERENCE NO.	SHEET NO.
WBS 9.203411	7



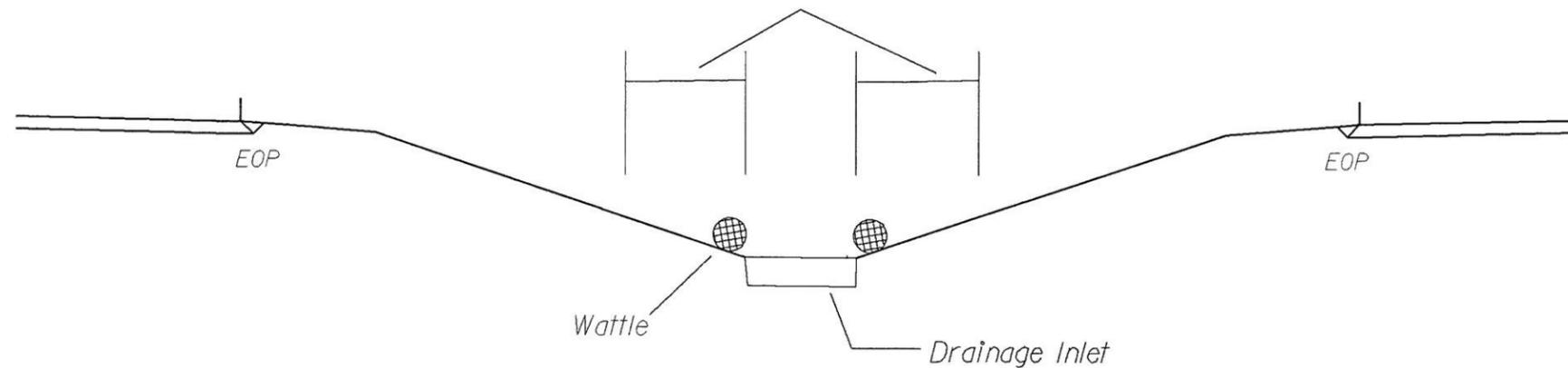
< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP



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

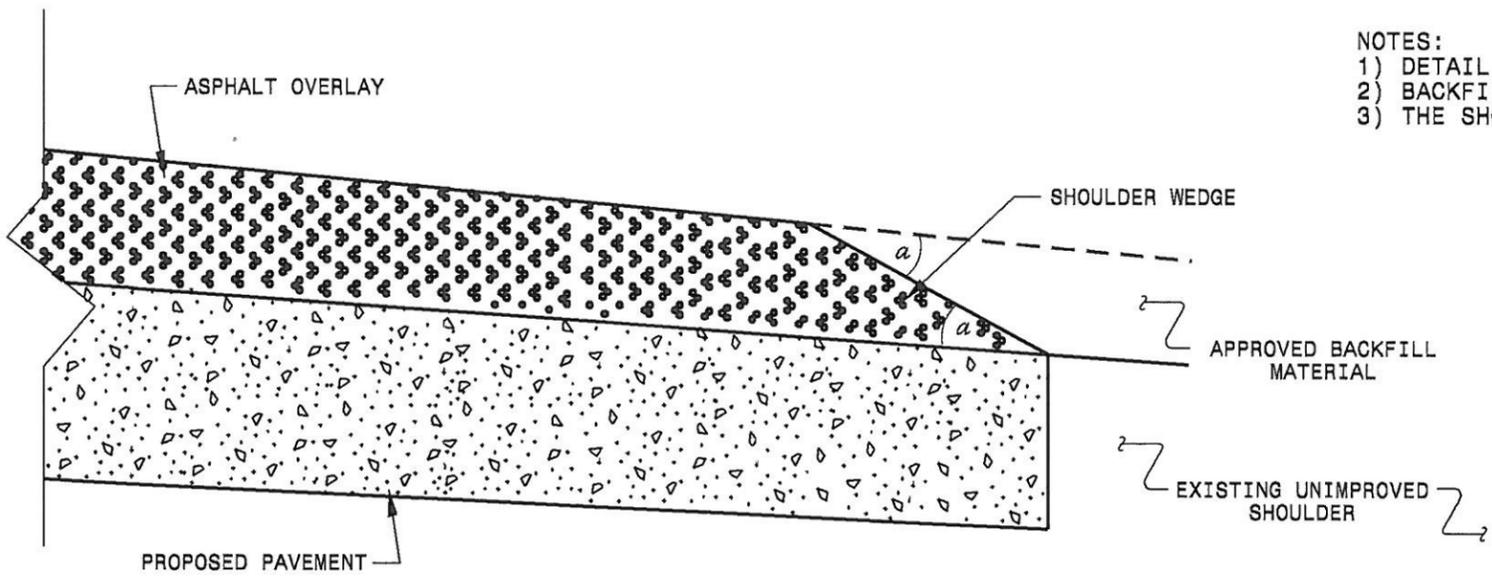


< 5' - 10' Undisturbed buffer from inlet, add wattle

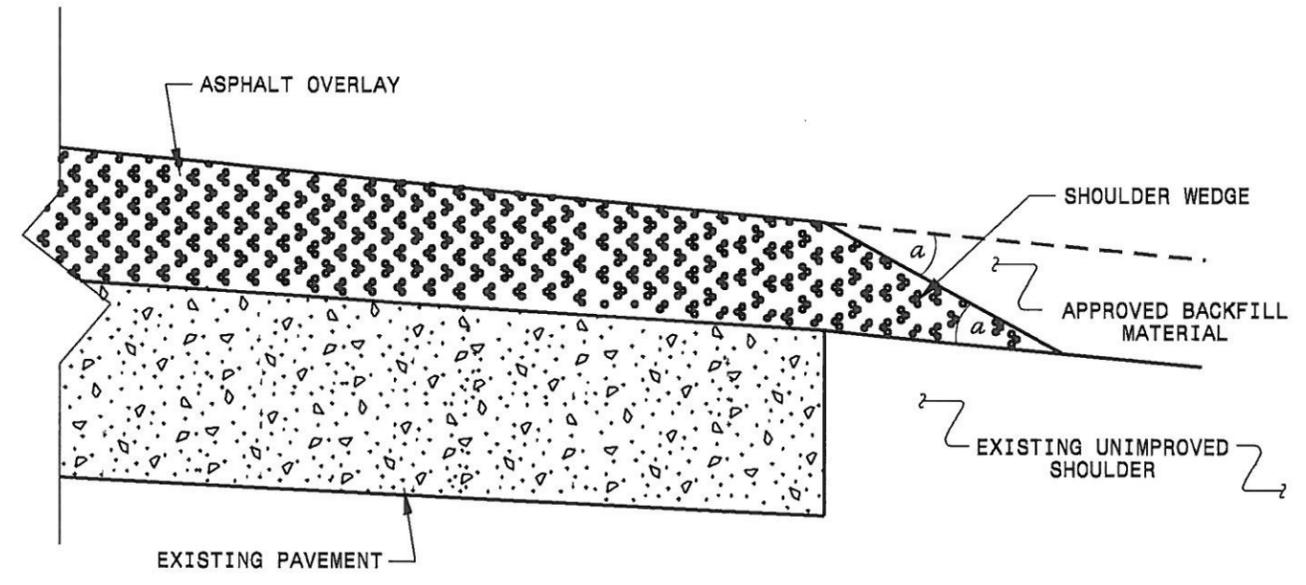


NOT TO SCALE

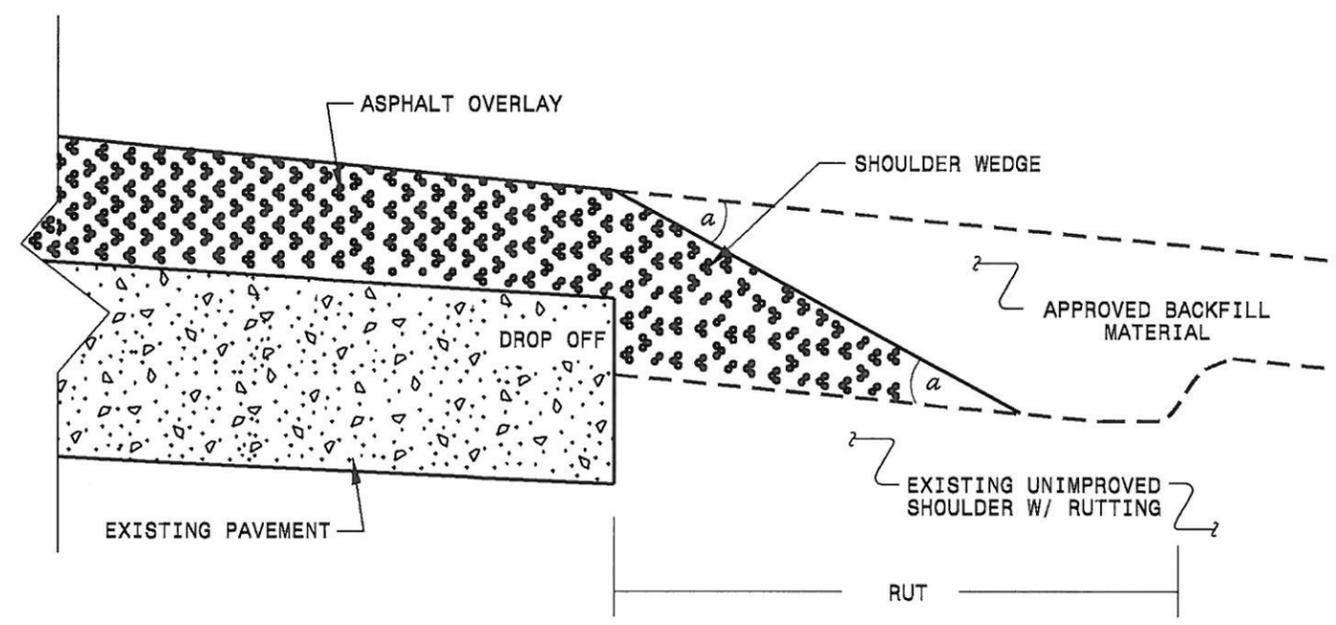
- NOTES:
1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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.SPELL	DATE: 7-19-11		
MODIFIED BY:	DATE: 10/18/12		
CHECKED BY:	DATE:		
FILE SPEC.: s:\user\details\stand\shoulderwedgedetail.dgn			

C:\MAY-2014\08154
C:\NDD-1\ve\2015
C:\2011\A1\014026337
Forsyth\Division Let.2015\2015_Resurfacing_FORSYTH_Division Let.REVISED Shoulder Wedge Detail.dgn

PROJECT NO.	SHEET NO.	TOTAL NO.
WBS 9.203411	10	

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 EXCAVATION CY	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SMI	MILLING ASPHALT PAVEMENT, 0" TO 1 1/2" DEPTH SY	INCIDENTAL MILLING SY	SURFACE COURSE, SF9.5A TONS	ASPHALT BINDER FOR PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	ADJ. OF METER OR VALVE BOX EA	TEMPORARY SILT FENCE LF	WATTLE LF
WBS 9.203411	Forsyth	1	SR 2024 OLD VALLEY SCHOOL RD.	FROM NC 66 TO DOBSON ST (SR 2021)		2	2WD	NO	NO	3.21	22	385	288	6.42	1,320	267	3,781	253	50	11	1,284	128
TOTAL FOR MAP NO. 1										3.21		385	288	6.42	1,320	267	3,781	253	50	11	1,284	128
WBS 9.203411	Forsyth	2	SR 1604 SPAINHOUR MILL RD.	FROM DONNAHA RD.(SR 1600) TO STOKES COUNTY LINE		2	2WU	NO	NO	1.093	19	131		2.19			1,113	75	100		437	44
TOTAL FOR MAP NO. 2										1.093		131		2.19			1,113	75	100		437	44
WBS 9.203411	Forsyth	3	FORSYTH COUNTY MAINTENANCE YARDS SHEET 3			2		NO	NO	1	1						281	19				
TOTAL FOR MAP NO. 3										1							281	19				
WBS 9.203411	Forsyth	4	FORSYTH COUNTY MAINTENANCE YARDS SHEET 4			2		NO	NO	1	1						840	56				
TOTAL FOR MAP NO. 4										1							840	56				
TOTAL FOR PROJ NO. WBS 9.203411										6.303		516	288	8.61	1,320	267	6,015	403	150	11	1,721	172
GRAND TOTAL										6.303		516	288	8.61	1,320	267	6,015	403	150	11	1,721	172

PROJECT NO.	SHEET NO.	TOTAL NO.
WBS 9.203411	11	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4685000000-E	4686000000-E		4687000000-E	4710000000-E				
										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	4" X 120 M WHITE THERMO LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 240 MILS) LF	24" X 120 M WHITE THERMO LF				
WBS 9.203411	Forsyth	1	SR 2024 OLD VALLEY SCHOOL RD.	FROM NC 66 TO DOBSON ST (SR 2021)		2	2WD	3.21	22	482	1	34,540	33,898	80	80	26				
TOTAL FOR MAP NO. 1												3.21		482	1	34,540	33,898	80	80	26
WBS 9.203411	Forsyth	2	SR 1604 SPAINHOUR MILL RD.	FROM DONNAHA RD.(SR 1600) TO STOKES COUNTY LINE		2	2WU	1.093	19			11,761	11,542	26						
TOTAL FOR MAP NO. 2												1.093		11,761	11,542	26				
WBS 9.203411	Forsyth	3	FORSYTH COUNTY MAINTENANCE YARD SHEET 3			2		1	1											
TOTAL FOR MAP NO. 3												1								
WBS 9.203411	Forsyth	4	FORSYTH COUNTY MAINTENANCE YARD SHEET 4			2		1	1											
TOTAL FOR MAP NO. 4												1								
TOTAL FOR PROJ NO. WBS 9.203411												6.303		482	1	46,301	45,440	106	80	26
													45,546							
GRAND TOTAL												6.303		482	1	46,301	45,440	106	80	26
													45,546							