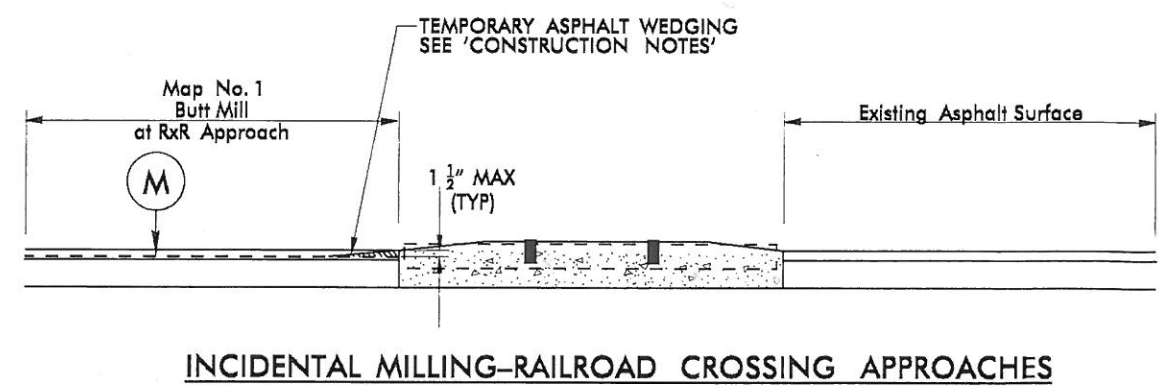
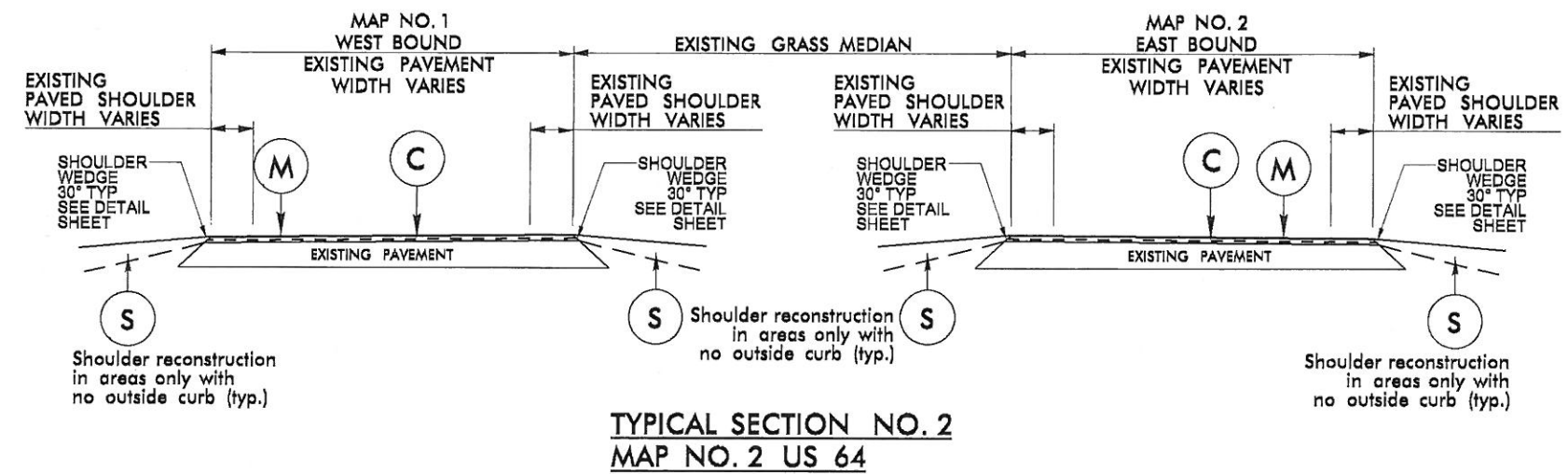
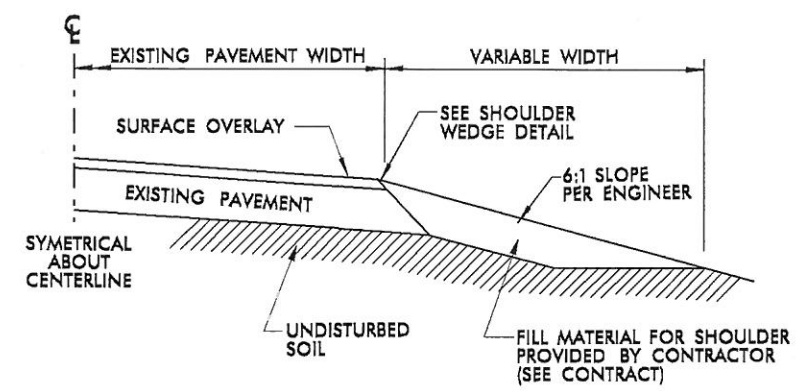
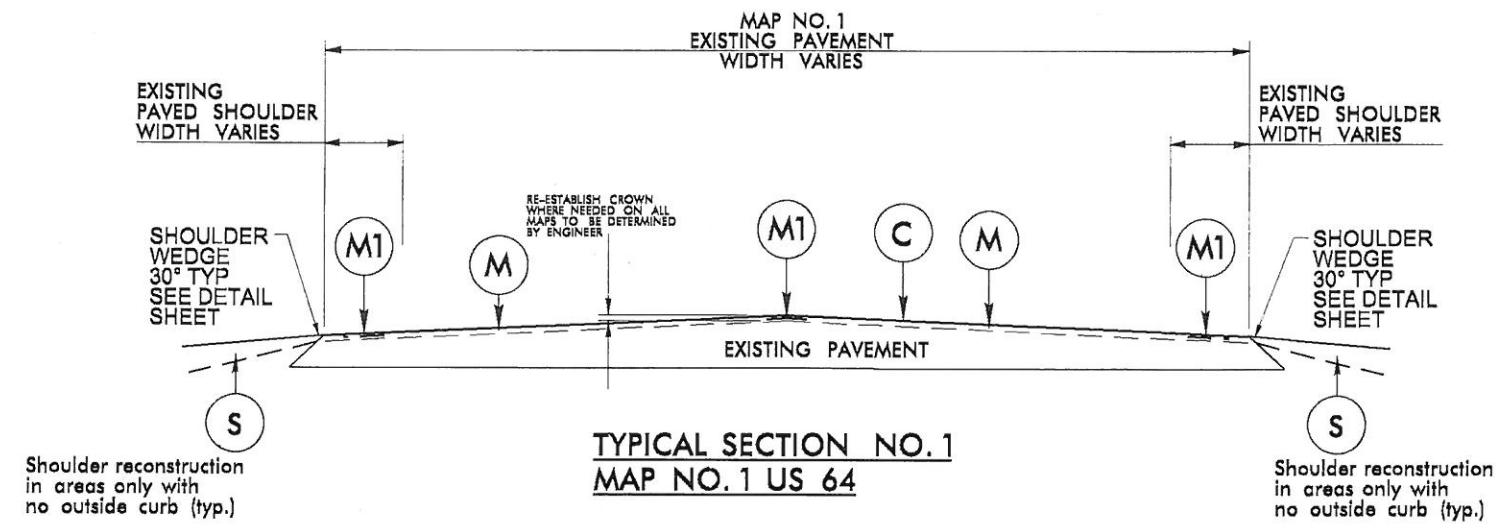
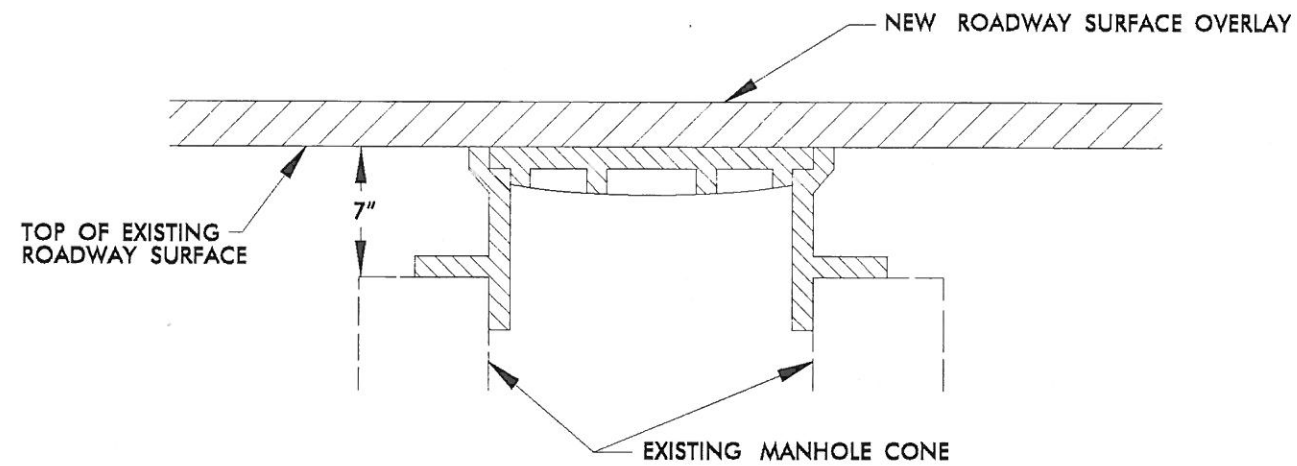
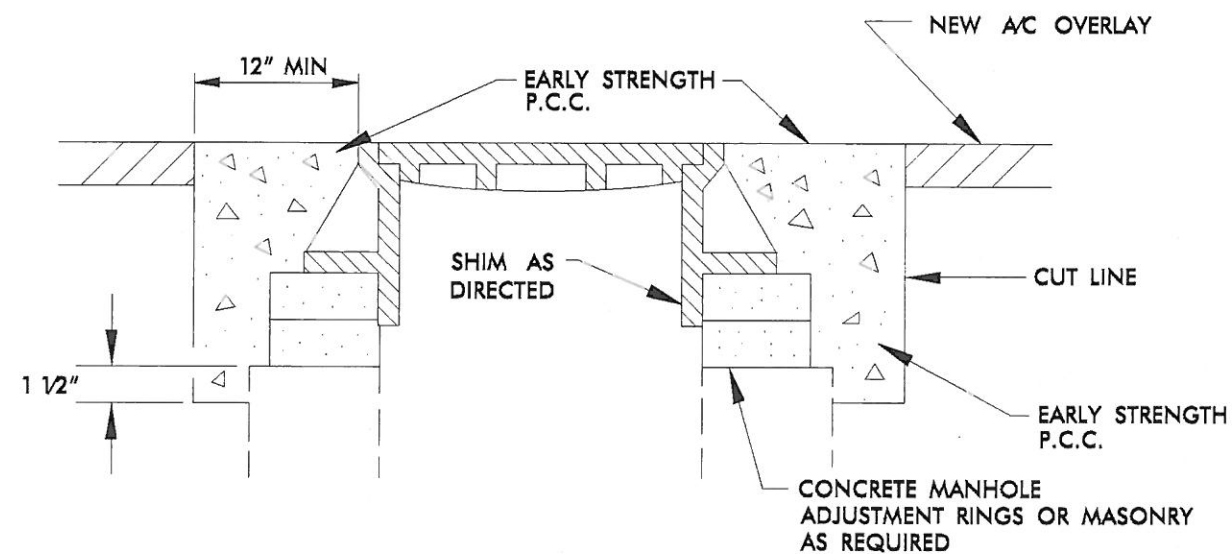


**MAP 1**  
 US 64 WESTBOUND  
 FROM RXR CROSSING NEAR DECKER RD. TO  
 NOSE OF CONCRETE MEDIAN NORTH WEST OF  
 I-85 BRIDGE NO. 181 AND 182 AT  
 BEGINNING OF 5 LANE  
 Mill 1½" Depth full width,  
 edge of pavement to edge of pavement.  
 Replace Milled Rumble Strips.

**MAP 2**  
 US 64 EASTBOUND  
 FROM NOSE OF CONCRETE ISLAND AT  
 BEGINNING OF 5 LANE SECTION SOUTH EAST  
 TO BEGINNING OF TWO LANE  
 Mill 1½" Depth full width,  
 edge of pavement to edge of pavement.



PAVEMENT SCHEDULE	
C	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, 1½" DEPTH
M1	MILLED RUMBLE STRIPS
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:**

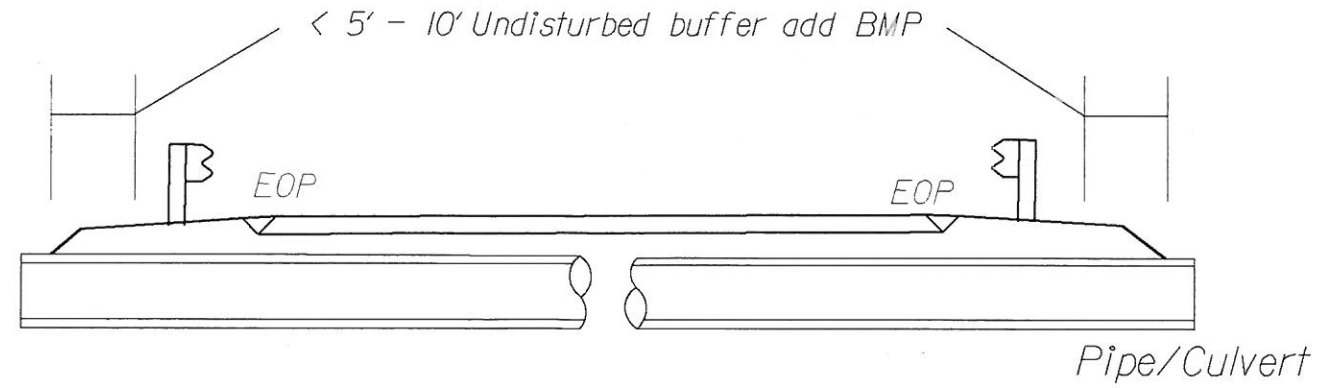
- ALL QUANTITIES ARE "ESTIMATED" AS INDICATED IN THE "SUMMARY OF QUANTITIES".
- CONSTRUCTION SHALL PROGRESS IN PHASES, IN THE ORDER INDICATED BELOW:
  - PHASE 1 - MILLING AND PATCHING (WHEN REQUIRED)
  - PHASE 2 - SURFACE OVERLAY
  - PHASE 3 - SHOULDER DROP-OFF REPAIR (AS NEEDED AND DIRECTED BY ENGINEER)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

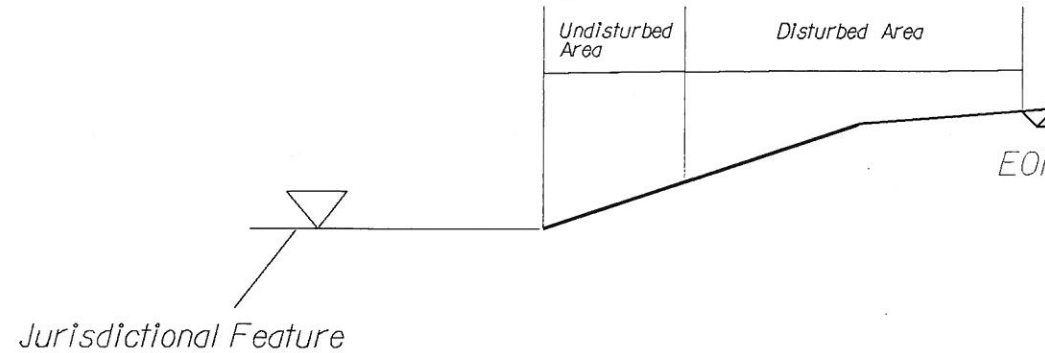
BMP Options: Wattle or Silt Fence

# EROSION CONTROL DETAIL

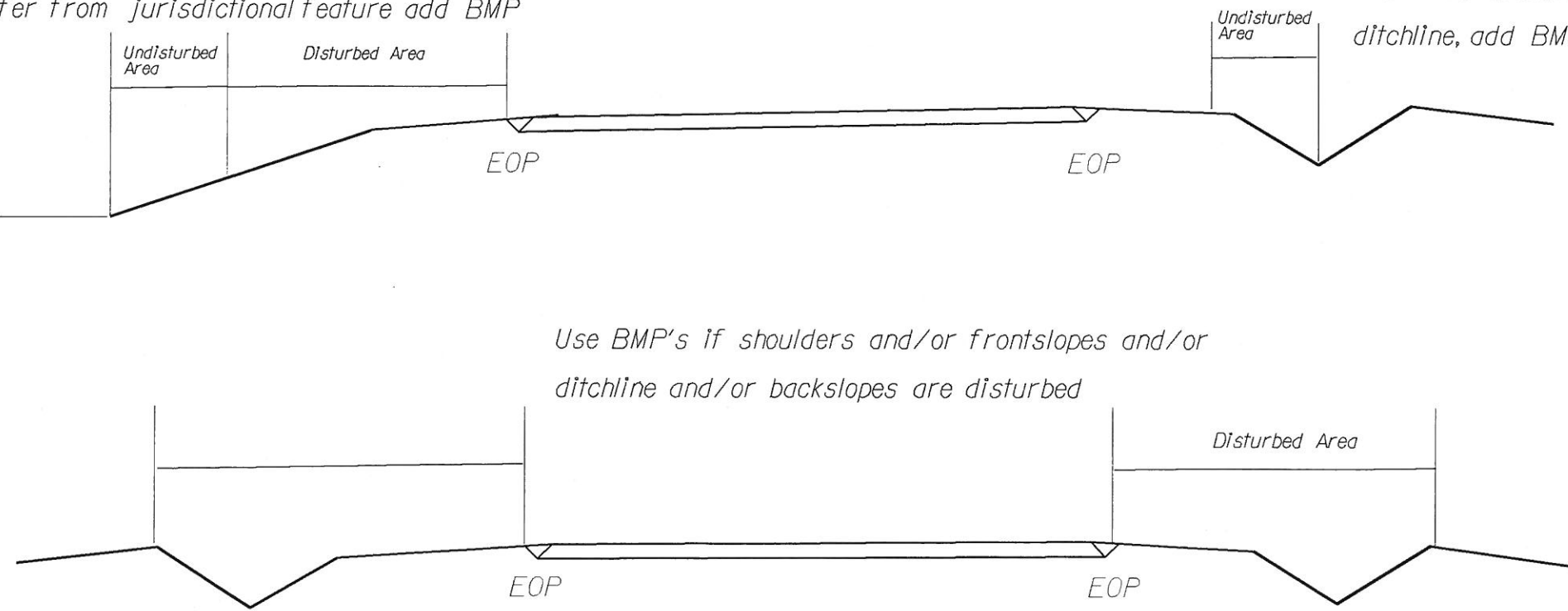
PROJECT REFERENCE NO.	SHEET NO.
2016CPT.09.01.10291.1	4



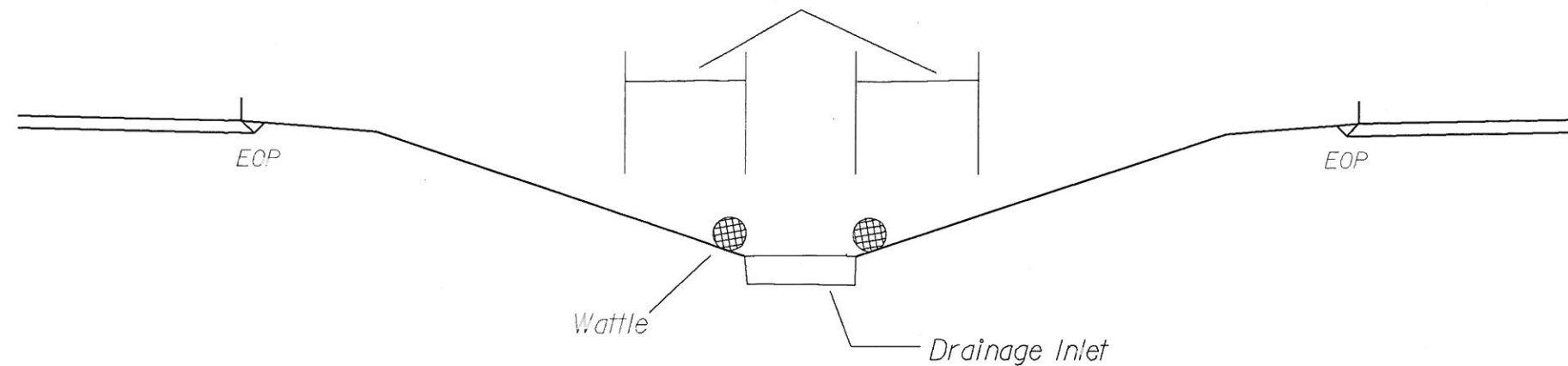
< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP



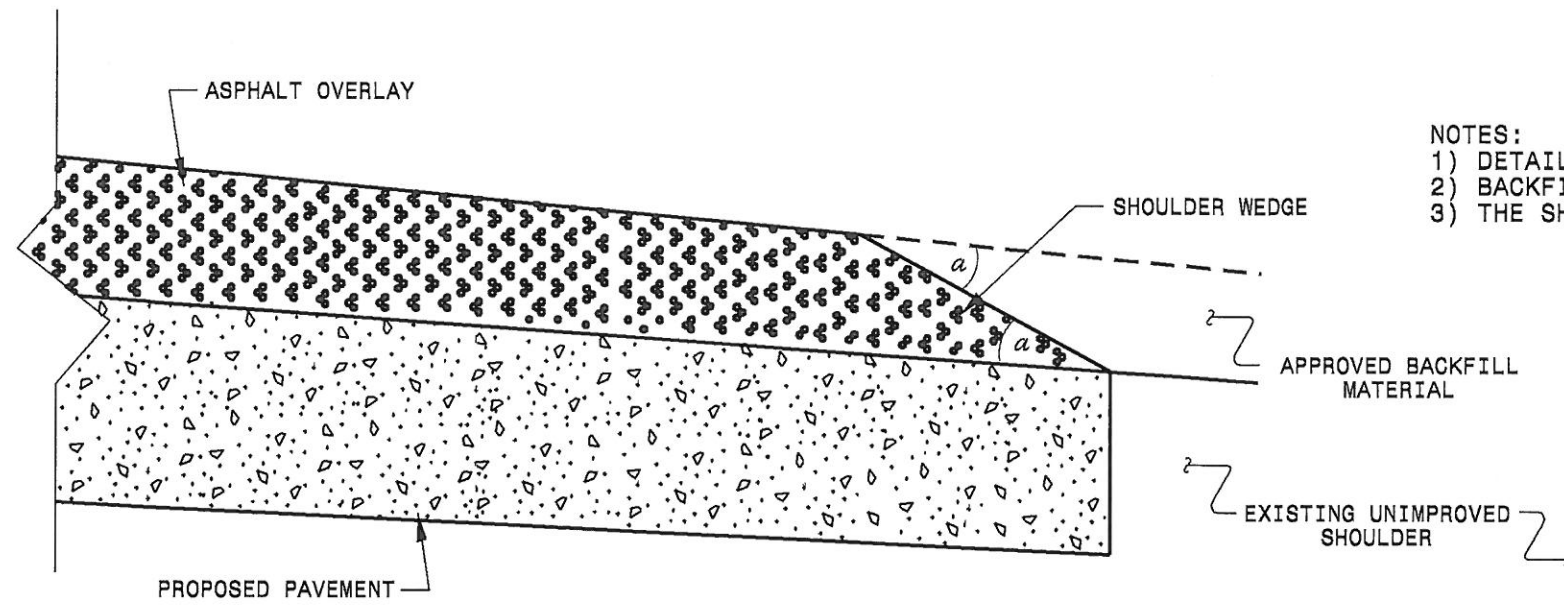
< 5' - 10' Undisturbed buffer from ditchline, add BMP



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



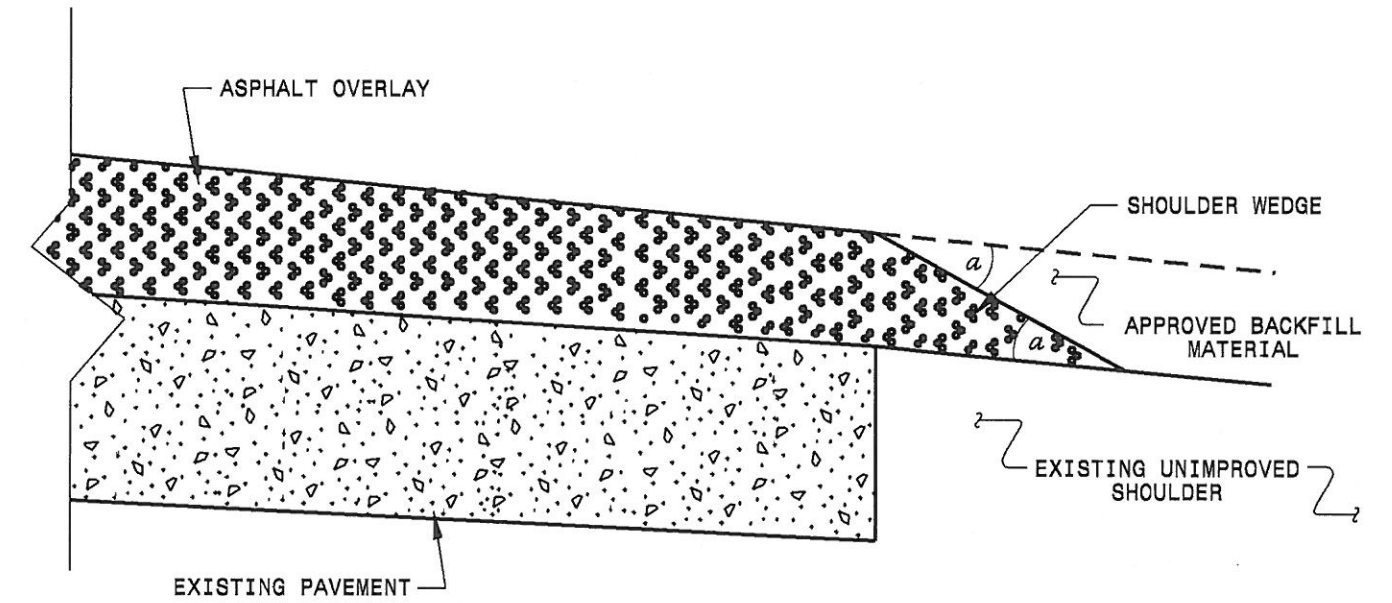
NOT TO SCALE



- 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.

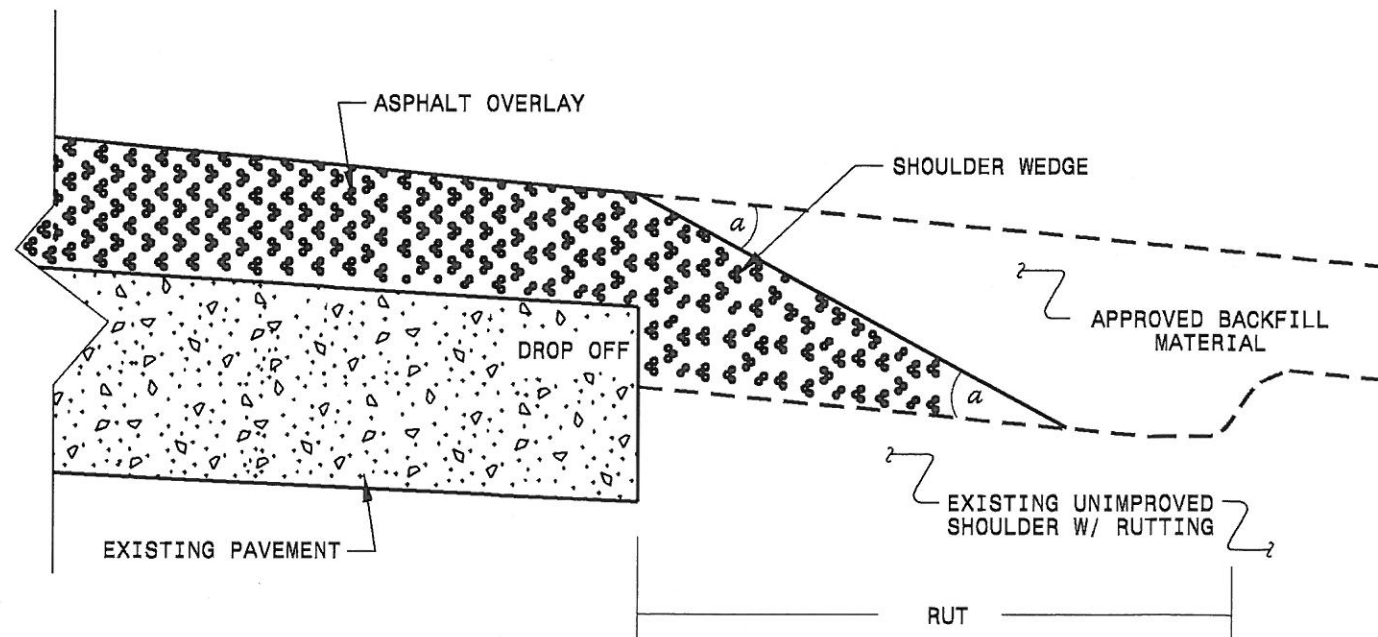
**SHOULDER WEDGE DETAIL**

(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
<b>SHOULDER WEDGE DETAILS</b>		
ORIGINAL BY: T.SPILL	DATE: 7-19-11	
MODIFIED BY:	DATE: 10/16/12	
CHECKED BY:	DATE:	
FILE SPEC.: s:\wr\details\stand\shouderwedgedetail.dgn		

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## Davidson County 2016 Resurfacing Bridges

								PROJECT NO.		SHEET NO.	
								2016CPT.09.01.10291.1		6	
Map No.	Route No.	Route Name	Bridge No.	Feature Intersected	Floor Construction	Clear Roadway Width (Ft)	Horizontal Clearance Under (Ft.)	Vertical Clearance Under	Length (Ft)	Posting	Recommended Treatment, From Bridge Maintenance
1,2	US 64	US 64	181	I-85 NBL	8 1/8 RC SLAB	56	NA	16 FT 03 IN 17 FT 01 IN US 64 WBL	246	NA	MAINTAIN CLEARANCE
1,2	US 64	US 64	182	I-85 SBL	8 1/8 RC SLAB	56	NA	16 FT 04 IN 17 FT 04 IN US 64 WBL	246	NA	MAINTAIN CLEARANCE

PROJECT NO.	SHEET NO.	TOTAL NO.
2016CPT.09.01.10291.1	7	

## 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, 1 1/2" DEPTH SY	SURFACE COURSE, S9.5C TONS	ASPHALT BINDER FOR PLANT MIX TONS	MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE) LF	TEMPORARY SILT FENCE LF	WATTLE LF
2016CPT.09.01.10291.1	Davidson	1	US 64-WEST BOUND	FROM RXR CROSSING NEAR DECKER RD. TO NOSE OF CONCRETE MEDIAN NORTH WEST OF I-85 BRIDGE NO. 181 AND 182 AT BEGINNING OF 5 LANE	1,2	2	M2	NO	NO	3.803	32	456	833	7.61	88,025	8,159	481	38,476	1,521	152
<b>TOTAL FOR MAP NO. 1</b>										<b>3.803</b>		<b>456</b>	<b>833</b>	<b>7.61</b>	<b>88,025</b>	<b>8,159</b>	<b>481</b>	<b>38,476</b>	<b>1,521</b>	<b>152</b>
2016CPT.09.01.10291.1	Davidson	2	US 64-EAST BOUND	FROM NOSE OF CONCRETE ISLAND AT BEGINNING OF 5 LANE SECTION SOUTH EAST TO BEGINNING OF TWO LANE	2	2	M2	NO	NO	0.983	32	118	362	1.97	24,860	2,304	136		393	39
<b>TOTAL FOR MAP NO. 2</b>										<b>0.983</b>		<b>118</b>	<b>362</b>	<b>1.97</b>	<b>24,860</b>	<b>2,304</b>	<b>136</b>		<b>393</b>	<b>39</b>
<b>TOTAL FOR PROJ NO. 2016CPT.09.01.10291.1</b>										<b>4.786</b>		<b>574</b>	<b>1,195</b>	<b>9.58</b>	<b>112,885</b>	<b>10,463</b>	<b>617</b>	<b>38,476</b>	<b>1,914</b>	<b>191</b>
<b>GRAND TOTAL</b>										<b>4.786</b>		<b>574</b>	<b>1,195</b>	<b>9.58</b>	<b>112,885</b>	<b>10,463</b>	<b>617</b>	<b>38,476</b>	<b>1,914</b>	<b>191</b>

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

PROJECT NO.	SHEET NO.	TOTAL NO.
2016CPT.09.01.10291.1	8	

### THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4510000000-N	4685000000-E		4686000000-E		4695000000-E	4705000000-E	4710000000-E	4721000000-E		4725000000-E		4810000000-E		4820000000-E	4830000000-E	4835000000-E	4840000000-N		4845000000-N		4905000000-N					
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING SF	TEMPORARY TRAFFIC CONTROL LS	LAW ENFORCEMENT HR	4" X 90 M WHITE THERMO LF	4" X 90 M YELLOW THERMO LF	4" X 120 M WHITE THERMO LF	4" X 120 M YELLOW 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 ONLY 120 M EA	THERMO RXR 120 M EA	THERMO LT ARROW 90 M EA	THERMO MERGE ARROW (90 MILS) EA	THERMO RT ARROW 90 M EA	4" YELLOW PAINT LF	4" WHITE PAINT LF	8" YELLOW PAINT LF	16" WHITE PAINT LF	24" WHITE PAINT LF	PAINT MSG RXR EA	PAINT MSG ONLY EA	PAINT LT ARROW EA	PAINT PAVEMENT MARKING SYMBOL - MERGE EA	PAINT RT ARROW EA	SNOW PLOWABLE MARKERS EA			
2016CPT.09.01.10291.1	Davidson	1	US 64-WEST BOUND	FROM RXR CROSSING NEAR DECKER RD. TO NOSE OF CONCRETE MEDIAN NORTH WEST OF I-85 BRIDGE NO. 181 AND 182 AT BEGINNING OF 5 LANE	1,2	2	M2	3.803	32	536	1	80	42,205	5,474	2,953	47,296	280	100	366	4	4	30	3	2	52,770	45,158	280	100	366	4	4	30	3	2	335			
TOTAL FOR MAP NO. 1										536	1	80	42,205	5,474	2,953	47,296	280	100	366	4	4	30	3	2	52,770	45,158	280	100	366	4	4	30	3	2	335			
2016CPT.09.01.10291.1	Davidson	2	US 64-EAST BOUND	FROM NOSE OF CONCRETE ISLAND AT BEGINNING OF 5 LANE SECTION SOUTH EAST TO BEGINNING OF TWO LANE	2	2	M2	0.983	32				6,265	10,136	2,939	1,438			201		7	3	2	11,574	9,204						201	7	3	2	75			
TOTAL FOR MAP NO. 2													6,265	10,136	2,939	1,438			201		7	3	2	11,574	9,204								201	7	3	2	75	
TOTAL FOR PROJ NO. 2016CPT.09.01.10291.1										536	1	80	48,470	15,610	5,892	48,734	280	100	567	4	4	37	6	4	64,344	54,362	280	100	567	4	4	37	6	4	37	6	4	410
GRAND TOTAL										64,080			64,080	15,610	5,892	48,734	280	100	567	4	4	37	6	4	64,344	54,362	280	100	567	4	4	37	6	4	37	6	4	410

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