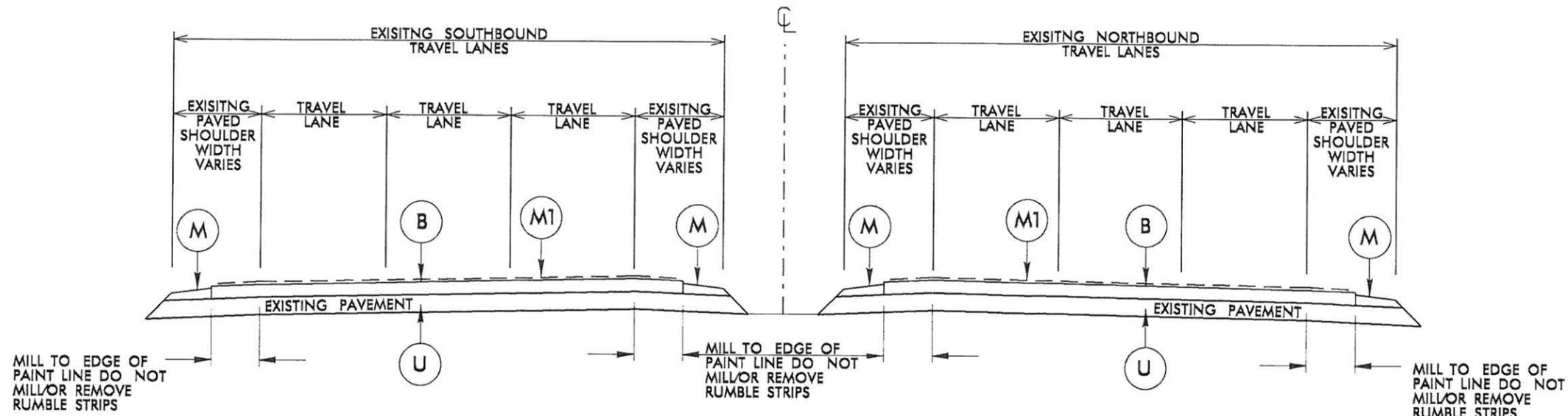
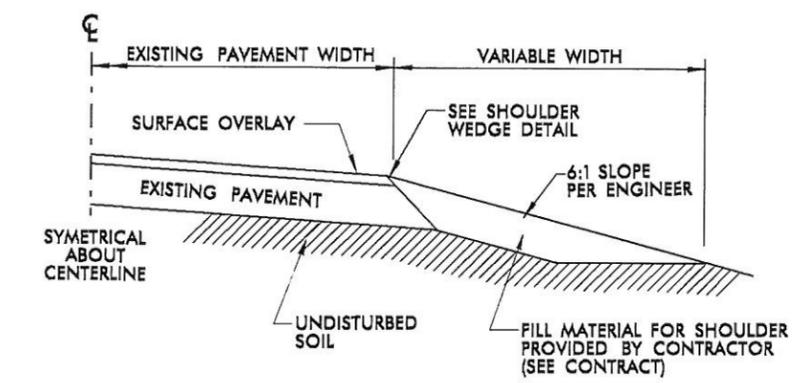


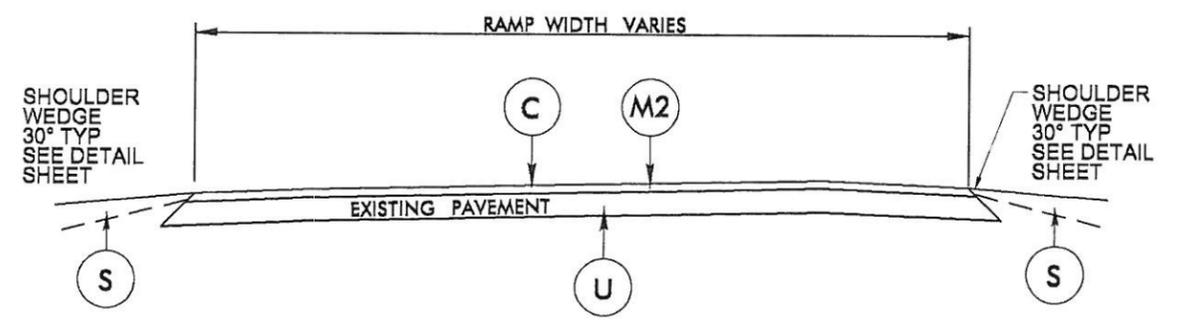
MAP 1
 MAP 2
 WORK TO BE PERFORMED
 Monday - Sunday FROM
 8 p.m. TO 6 a.m.



TYPICAL SECTION NO.1
I-85 NORTH AND SOUTH BOUND



SHOULDER RECONSTRUCTION
* RAMP SHOULDERS ONLY



TYPICAL SECTION NO. 2
RAMPS

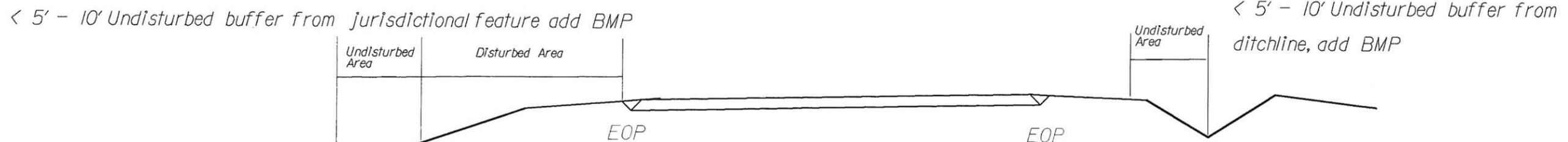
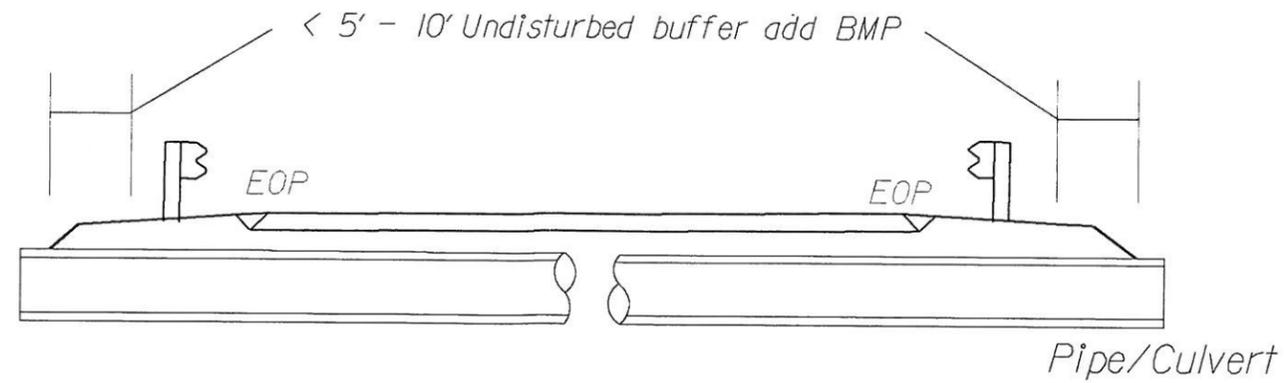
PAVEMENT SCHEDULE	
B	PROP. APPROX. 7/8" OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-2 MODIFIED, AT AN AVERAGE RATE OF 90 LBS. PER SQ. YD.
C	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.6C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
M	EXISTING MILLED RUMBLE STRIPS
M1	FINE MILLING, 7/8" DEPTH
M2	MILLING, 1 1/2" DEPTH
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT (CONCRETE OR ASPHALT)

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

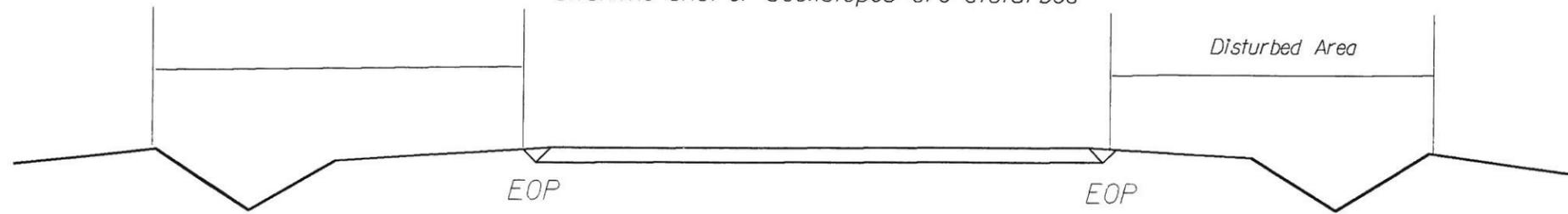
BMP Options: Wattle or Silt Fence

EROSION CONTROL DETAIL

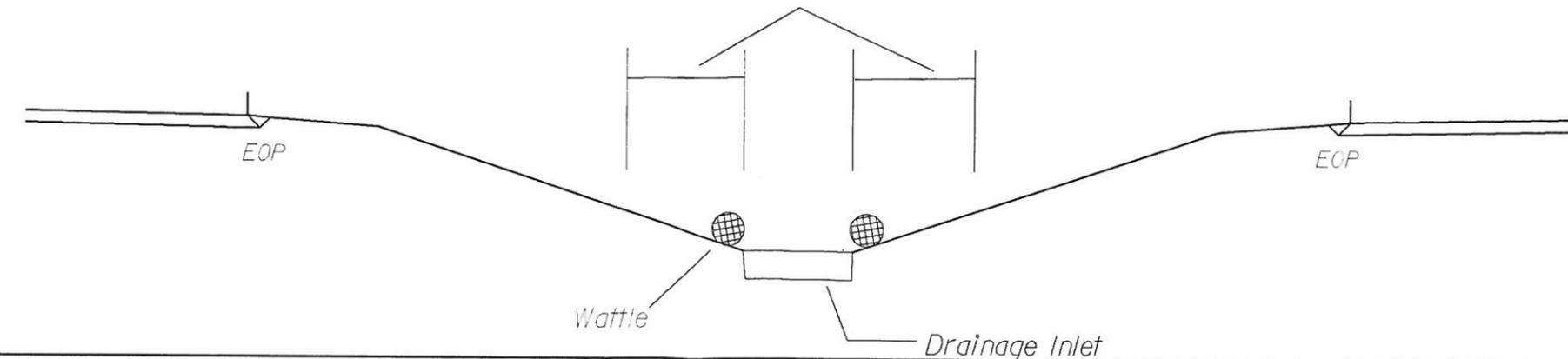
PROJECT REFERENCE NO.	SHEET NO.
I-5740	3



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



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



NOT TO SCALE

I-5740 Resurfacing Bridge List

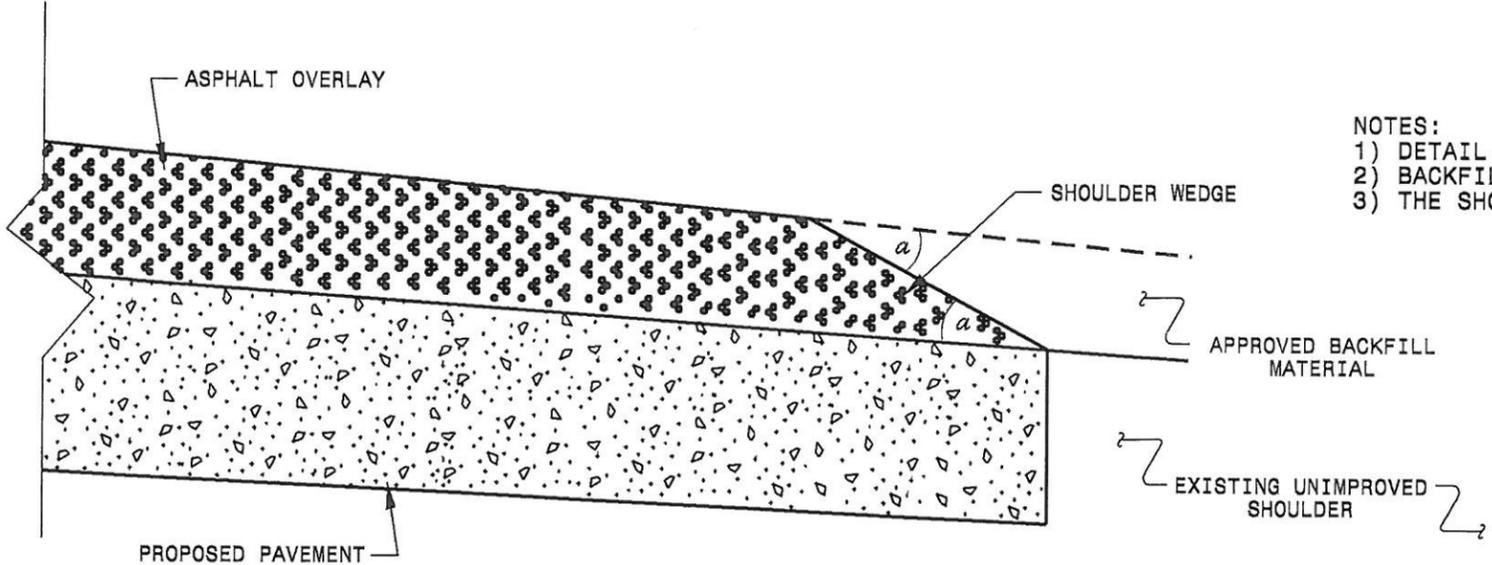
Map No.	Route No.	Route Name	Bridge/ Overhead Sign No.	Feature Intersected	Floor Construction	Clear Roadway Width (Ft)	Horizontal Clearance Under (Ft.)	Vertical Clearance Under	PROJECT NO.		Posting	SHEET NO.
									I-5740			4
									2nd Opening Clearance Under	Length (Ft)	Recommended Treatment, From Bridge Maintenance	
1	I-85 NB	I-85 NB	181	US 64	8 1/8 RC SLAB	56	66	16 FT 03 IN	17 FT 01 IN US 64 SBL	246	NA	DO NOT PAVE ON BRIDGE
2	I-85 SB	I-85	182	US 64	8 1/8 RC SLAB	56	NA	16 FT 04 IN NBL	17 FT 04 IN US 64 SBL	246	NA	DO NOT PAVE ON BRIDGE

PROJECT NO.	SHEET NO.	TOTAL NO.
I-5740	5	

SUMMARY OF QUANTITIES

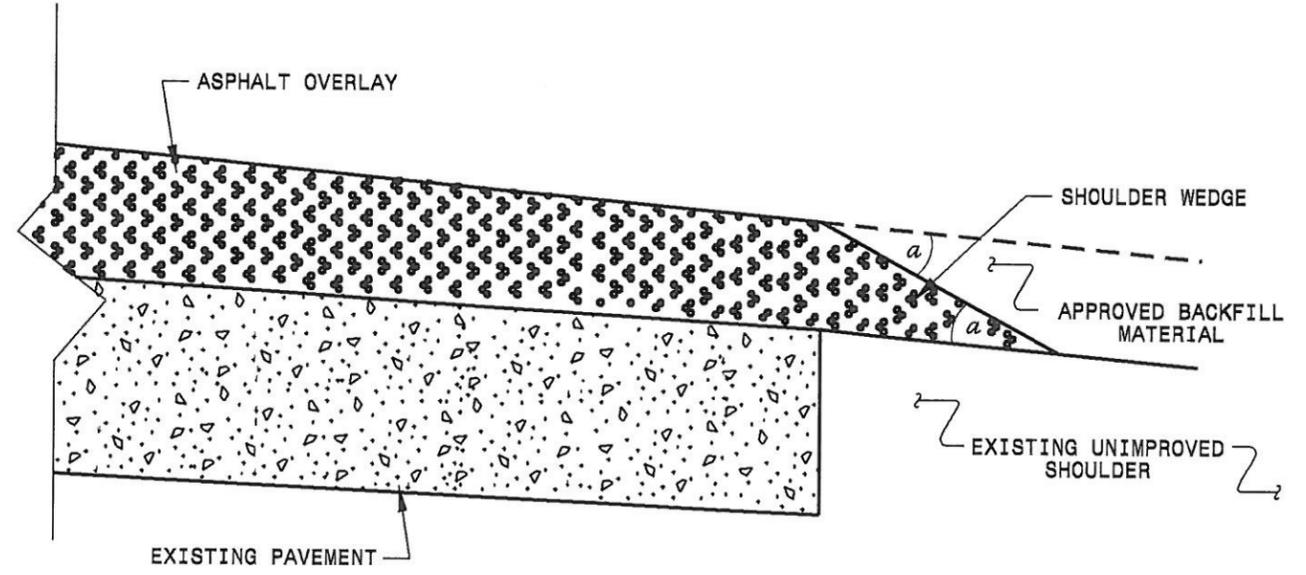
PROJECT NO.	COUNTY	MAP NO.	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	BORROW EXCAVATION CY	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SMI	MILLING ASPHALT PAVEMENT, 1 1/2" DEPTH SY	SURFACE COURSE, S9.5C TONS	ASPHALT BINDER FOR PLANT MIX TONS	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX TONS	OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-2 MODIFIED TON	FINE MILLING 7/8" DEPTH SY	TEMPORARY SILT FENCE LF	WATTLE LF
I-5740	Davidson	1	NORTH BOUND I-85	FROM GRASS GORE AT ON RAMP FROM OLD US 64 (RALEIGH RD.) TO CONCRETE PAVEMENT JT. BEFORE BRIDGE NO. 473 (E. HOLLY GROVE RD.)	1,2	3	MU	NO	NO	2.59	36	93	425	0.77	5,318	494	29	166	2,716	62,605	308	31
TOTAL FOR MAP NO. 1										2.59		93	425	0.77	5,318	494	29	166	2,716	62,605	308	31
I-5740	Davidson	2	SOUTH BOUND I-85	FROM CONCRETE PAVEMENT JT. WEST OF BRIDGE NO. 473 (E. HOLLY GROVE RD.) TO GRASS GORE AT OFF RAMP TO OLD US 64 (RALEIGH RD.)	1,2	3	MU	NO	NO	2.582	36	93	288	0.78	5,413	503	30	162	2,650	61,082	309	31
TOTAL FOR MAP NO. 2										2.582		93	288	0.78	5,413	503	30	162	2,650	61,082	309	31
TOTAL FOR PROJ NO. I-5740										5.172		186	713	1.55	10,731	997	59	328	5,366	123,687	617	62
GRAND TOTAL										5.172		186	713	1.55	10,731	997	59	328	5,366	123,687	617	62

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

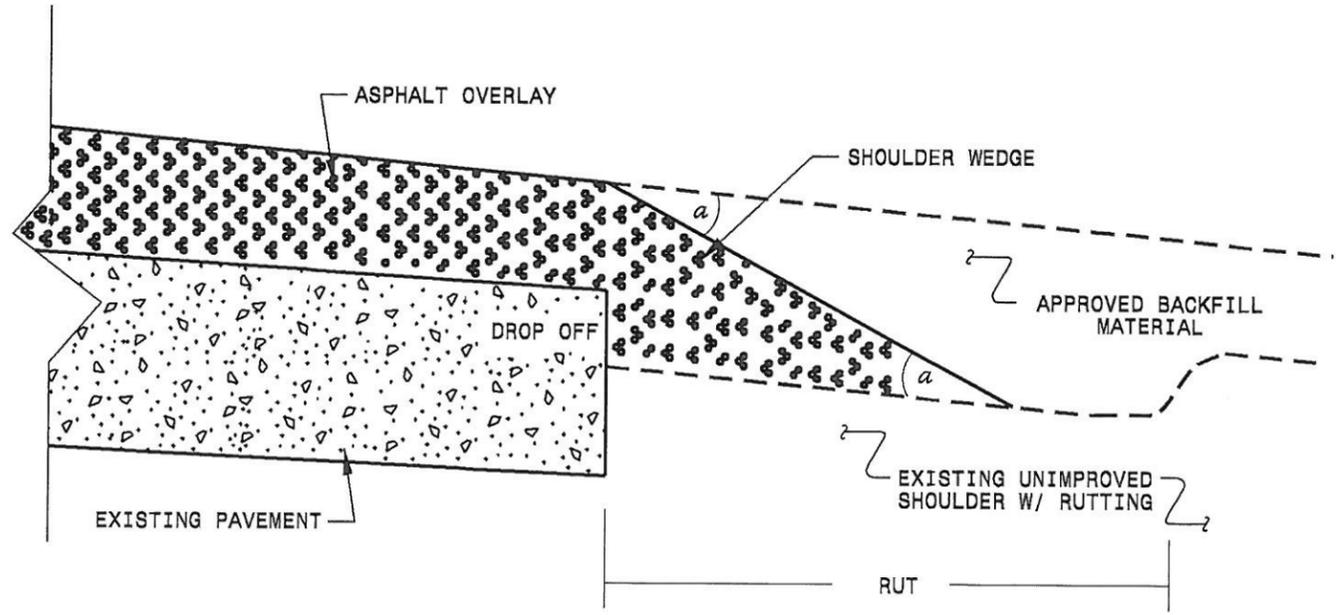


- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFCC AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.

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)

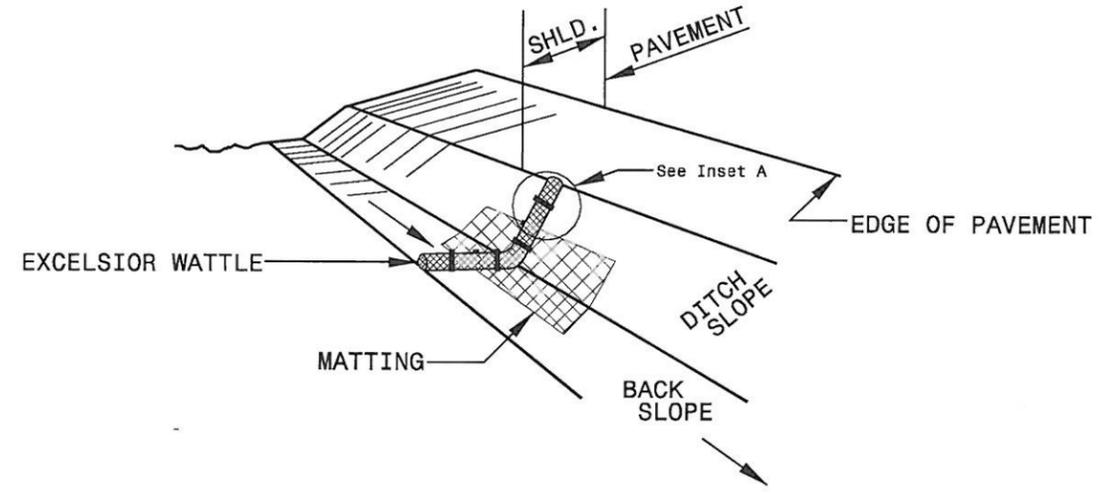
- SHOULDER WEDGE ANGLE = 30°

CONTRACT STANDARDS AND DEVELOPMENT UNIT		
Office 919-707-8950		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:\usr\details\atans\shoulderwedge\stdet1.dgn		

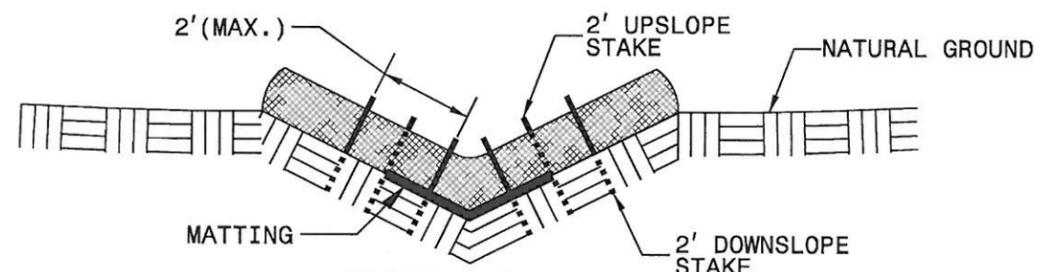
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 C:\ODD\proj\2016_1-5740_1-05_06AFCC\DAY\ISD\N.RE\ISED Shoulder Wedge Detail.dgn
 11/16/12 10:02:33

PROJECT REFERENCE NO. X-XXXX	SHEET NO. EC-2G
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

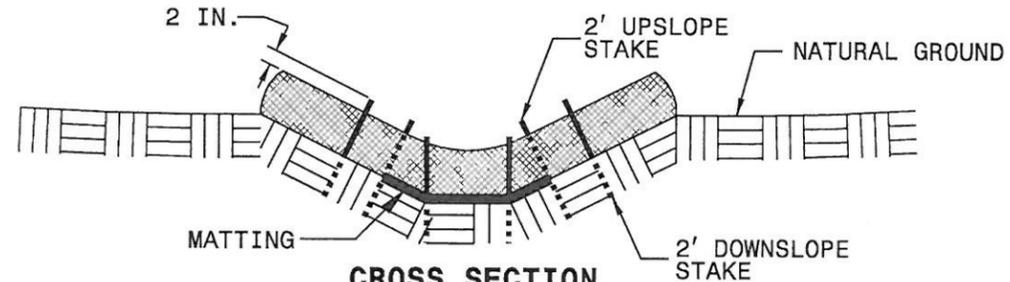
WATTLE DETAIL



ISOMETRIC VIEW



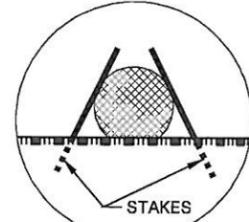
CROSS SECTION VEE DITCH



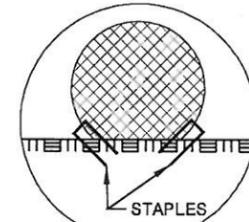
CROSS SECTION TRAPEZOIDAL DITCH

NOTES:

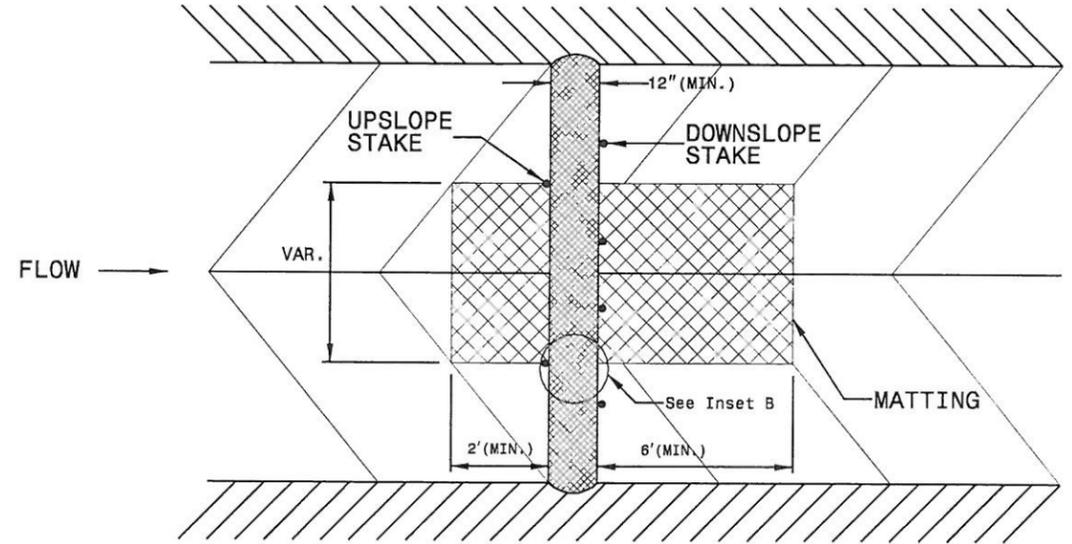
- USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
- ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES 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