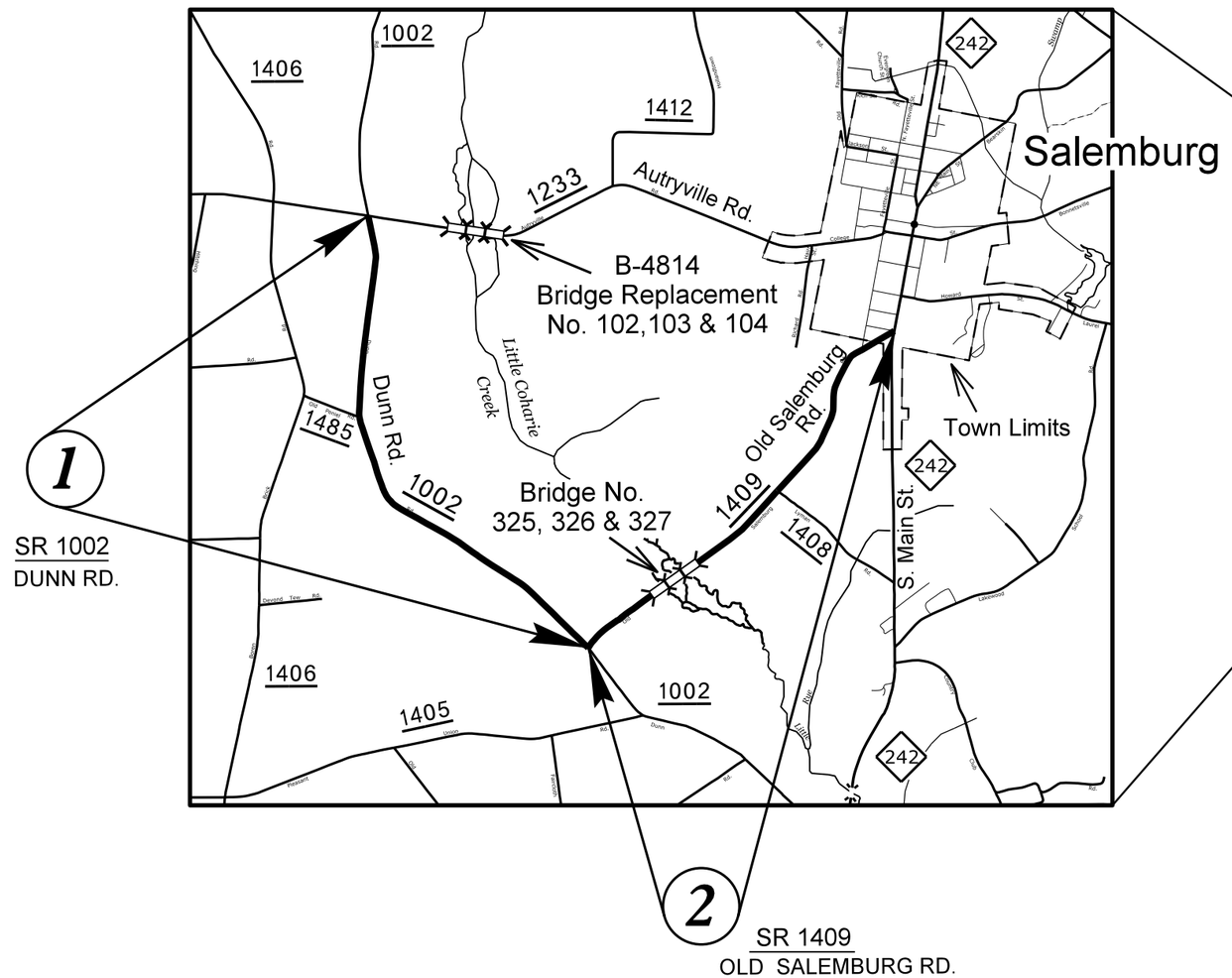
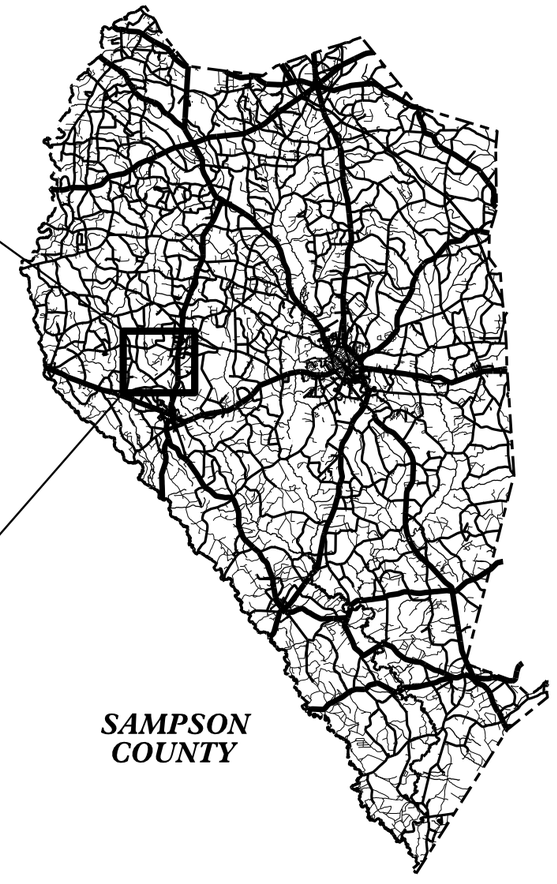
PROJECT REFERENCE NO.	SHEET NO.
B-4814	1

PART II

SAMPSON COUNTY

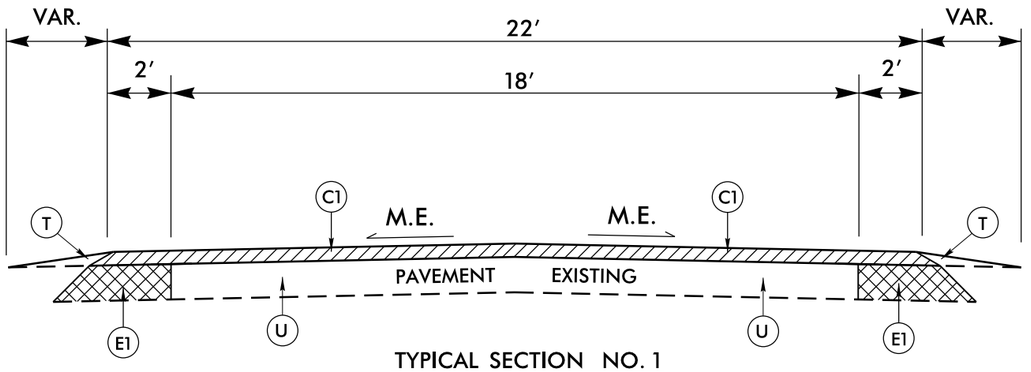
RESURFACING FOR BRIDGE REPLACEMENT DETOUR





NOTE: FUTURE TIP PROJECT B-4637
BRIDGE NO. 325 - 327

MAPS N.T.S.



TYPICAL SECTION NO. 1

MAP 1
SR 1002 (DUNN RD.)
MP 1.830 – MP 4.361

MAP 2
SR 1409 (OLD SALEMBURG RD.)
MP 0.000 – MP 2.138
NO PAVING BRIDGE NO.
325, 326 & 327

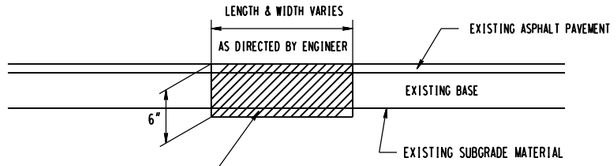
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½″ DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
E1	PROP. APPROX. 4″ DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 456 LBS. PER SQ.YD.
T	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
U	EXISTING PAVEMENT

PAVEMENT EDGE SLOPES ARE 1:1, EXCEPT FINAL SURFACE COURSE. SEE SHOULDER WEDGE DETAIL.

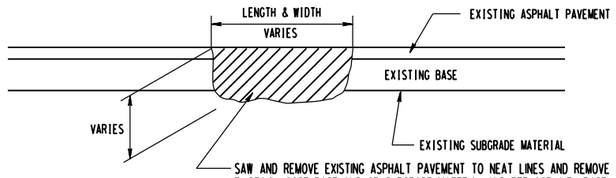
SEE STD. DRAWING 1205.01, SHEET 2 OF 2, TABLE 1 FOR EDGE LINE OFFSETS.

PROJECT REFERENCE NO.	SHEET NO.
B-4814	3

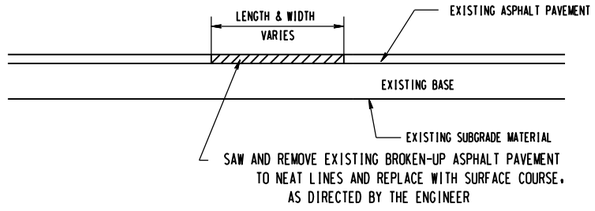
DETAILS OF PATCHING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



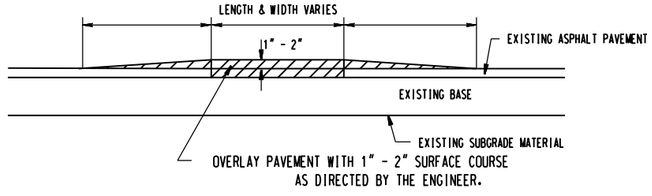
DETAIL NO. 1



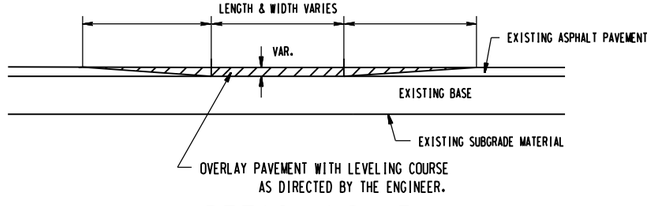
DETAIL NO. 2



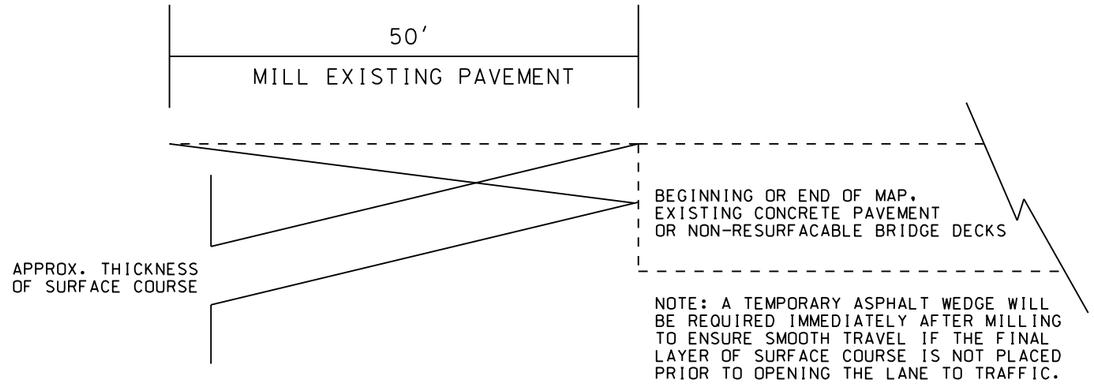
DETAIL NO. 3



DETAIL NO. 4

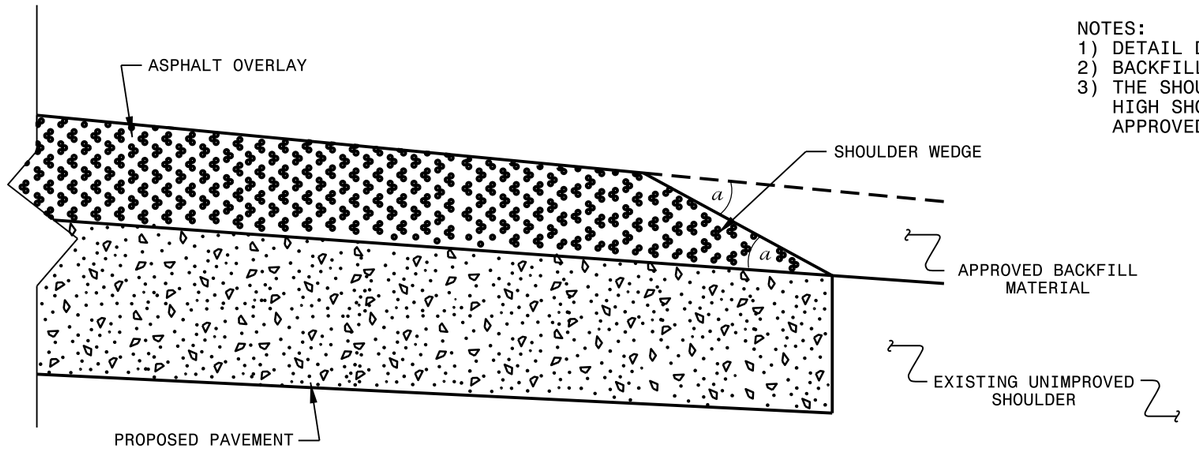


DETAIL NO. 5



DETAIL FOR INCIDENTAL MILLING:
MAY BE USED AT THE BEGINNING & END OF MAPS
AND AT APPROACH & TRAILING ENDS OF BRIDGES

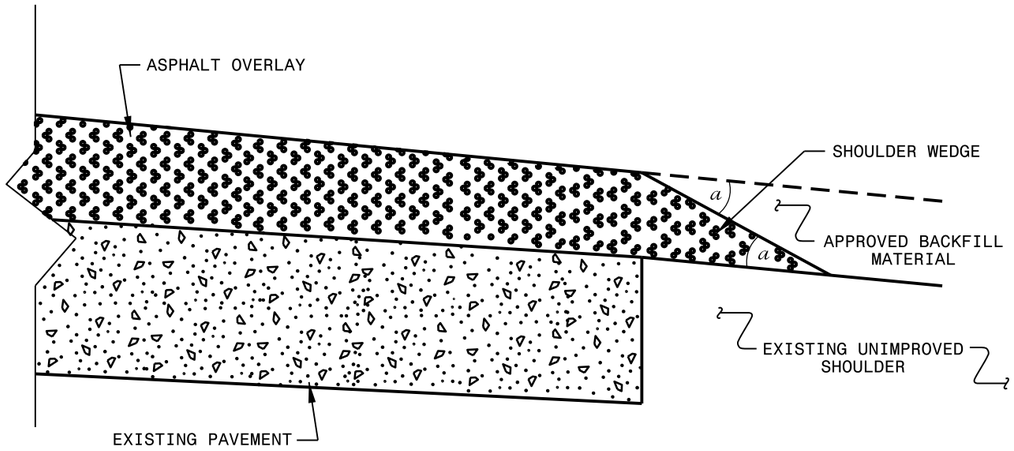
PROJECT REFERENCE NO.	SHEET NO.
B-4814	4



NOTES:
1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.

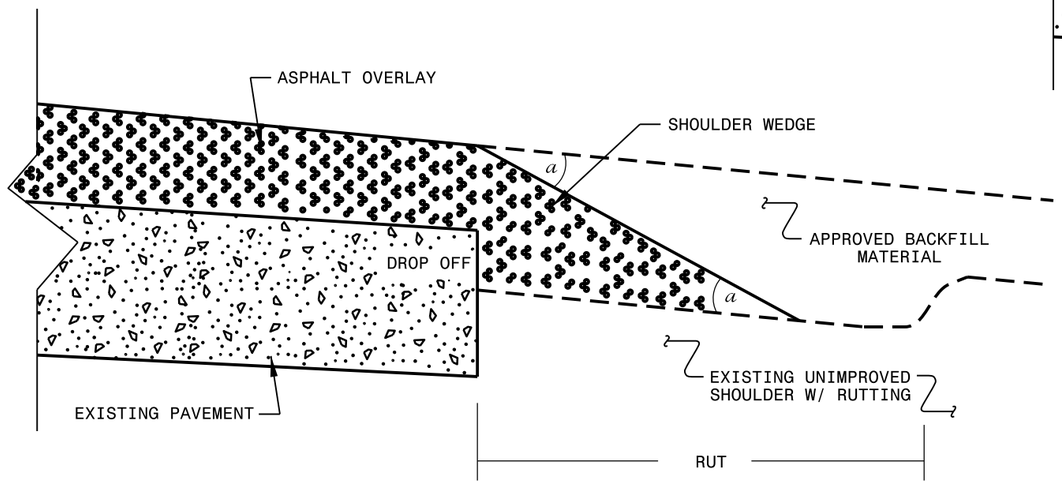
SHOULDER WEDGE DETAIL

(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:	2/2/16
CHECKED BY:		DATE:	
FILE SPEC.:	s:usr/details/stand/shoulderwedgedetail.dgn		

24-MAR-2016 11:45
S:\Contracts\Resurfacing Projects\Shoulder Wedge Details\Revised Shoulder Wedge Detail.dgn
$$$$USERNAME$$$$

PROJECT NO.	SHEET NO.
B-4814	5

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	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	INCIDENTAL MILLING SY	BASE COURSE, B25.0B TONS	SURFACE COURSE, SF9.5A TONS	LEVELING COURSE, SF9.5A TONS	ASPHALT BINDER FOR PLANT MIX TON	PATCHING EXISTING PAVEMENT (MILL) TON	6" CONCRETE DRIVEWAY SY	TEMPORARY SILT FENCE LF	STONE FOR EROSION CONTROL CLASS B TON	SEDIMENT CONTROL STONE TON	TEMP. MULCHING ACR	SEED FOR TEMP. SEEDING LBS	FERTILIZER FOR TEMP. SEEDING TON	MATTING FOR EROSION CONTROL SY	1/4" HARDWARE CLOTH LF	WATTLE LF	SEED & MULCHING AC	SEED FOR REPAIR SEEDING LB	FERTILIZER FOR REPAIR SEEDING TON
B-4814	Sampson	1	SR 1002 (DUNN RD.)	FROM SR 1409 (OLD SALEMBURG RD.) TO SR 1233 (AUTRYVILLE RD.) MP 1.830 - MP 4.361	1	2	2WU	NO	NO	2.531	22	233	60	5.00	100	1,540	2,710	15	250	20	20	253	63	63	2.53	126	0.64	20	126	40	1.84	126	0.64
TOTAL FOR MAP NO. 1										**2.531**		**233**	**60**	**5.00**	**100**	**1,540**	**2,710**	**15**	**250**	**20**	**20**	**253**	**63**	**63**	**2.53**	**126**	**0.64**	**20**	**126**	**40**	**1.84**	**126**	**0.64**
B-4814	Sampson	2	SR 1409 (OLD SALEMBURG RD.)	FROM SR 1002 (DUNN RD.) TO NC 242 [MP 0.000 - MP 2.138] NO PAVING ON BRIDGE NO. 325 - 327	1	2	2WU	NO	NO	2.138	22	196	30	4.12	250	1,301	2,289	10	211	20		213	53	53	2.13	107	0.53	20	107	40	1.55	107	0.53
TOTAL FOR MAP NO. 2										**2.138**		**196**	**30**	**4.12**	**250**	**1,301**	**2,289**	**10**	**211**	**20**		**213**	**53**	**53**	**2.13**	**107**	**0.53**	**20**	**107**	**40**	**1.55**	**107**	**0.53**
TOTAL FOR PROJ NO. B-4814										**4.669**		**429**	**90**	**9.12**	**350**	**2,841**	**4,999**	**25**	**461**	**40**	**20**	**466**	**116**	**116**	**4.66**	**233**	**1.17**	**40**	**233**	**80**	**3.39**	**233**	**1.17**
GRAND TOTAL										**4.669**		**429**	**90**	**9.12**	**350**	**2,841**	**4,999**	**25**	**461**	**40**	**20**	**466**	**116**	**116**	**4.66**	**233**	**1.17**	**40**	**233**	**80**	**3.39**	**233**	**1.17**

PROJECT NO.	SHEET NO.
B-8414	6

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4685000000-E 4" X 90 M WHITE THERMO LF	4686000000-E 4" X 120 M YELLOW THERMO LF	4847000000-E 4" WHITE POLYUREA (HIGHLY REFLECTIVE ELEMENTS) LF	4847000000-E 4" YELLOW POLYUREA (HIGHLY REFLECTIVE ELEMENTS) LF	4850000000-E REMOVAL OF PAVEMENT MARKING LINES (4") LF	4900000000-N YELLOW & YELLOW MARKERS EA
B-4814	Sampson	1	SR 1002 (DUNN RD.)	FROM SR 1409 (OLD SALEMBURG RD.) TO SR 1233 (AUTRYVILLE RD.) MP 1.830 - MP 4.361	1	2	2WU	2.531	22	26,728	20,426				167
TOTAL FOR MAP NO. 1								**2.531**		**26,728**	**20,426**				**167**
B-4814	Sampson	2	SR 1409 (OLD SALEMBURG RD.)	FROM SR 1002 (DUNN RD.) TO NC 242 [MP 0.000 - MP 2.138] NO PAVING ON BRIDGE NO. 325 - 327	1	2	2WU	2.138	22	22,578	16,934	314	314	628	141
TOTAL FOR MAP NO. 2								**2.138**		**22,578**	**16,934**	**314**	**314**	**628**	**141**
TOTAL FOR PROJ NO. B-4814								**4.669**		**49,306**	**37,360**	**314**	**314**	**628**	**308**
												628			
GRAND TOTAL								**4.669**		**49,306**	**37,360**	**314**	**314**	**628**	**308**
												628			

PROJECT REFERENCE NO.	SHEET NO.
B-4814	EC-1

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

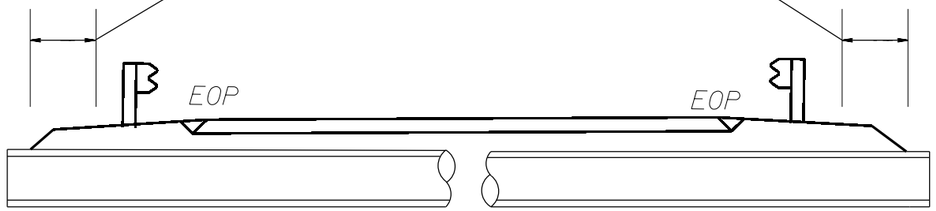
PROJECT REFERENCE NO.	SHEET NO.
B-4814	EC-2

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

BMP Options: Wattle, Silt Fence or Hardened Aggregate.

EROSION CONTROL DETAIL

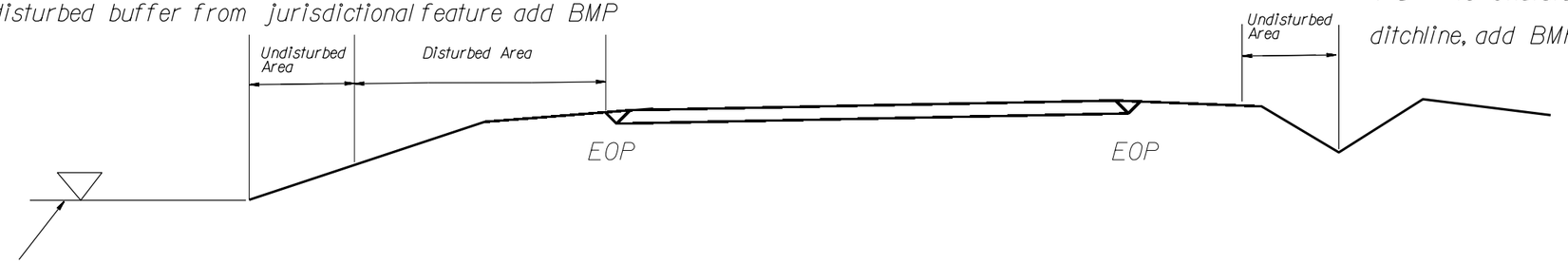
< 5' - 10' Undisturbed buffer add BMP



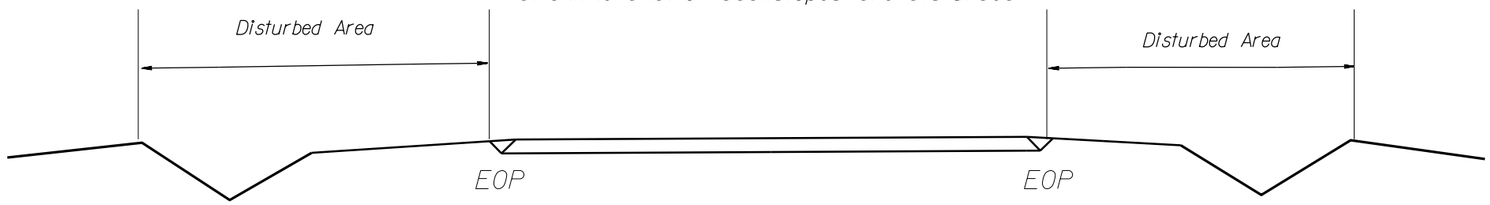
Pipe/Culvert

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

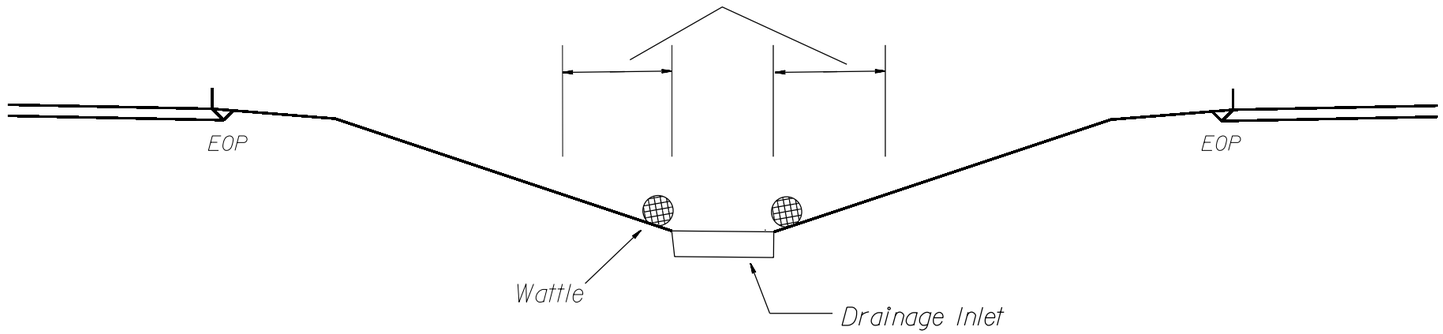
< 5' - 10' Undisturbed buffer from ditchline, add BMP



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



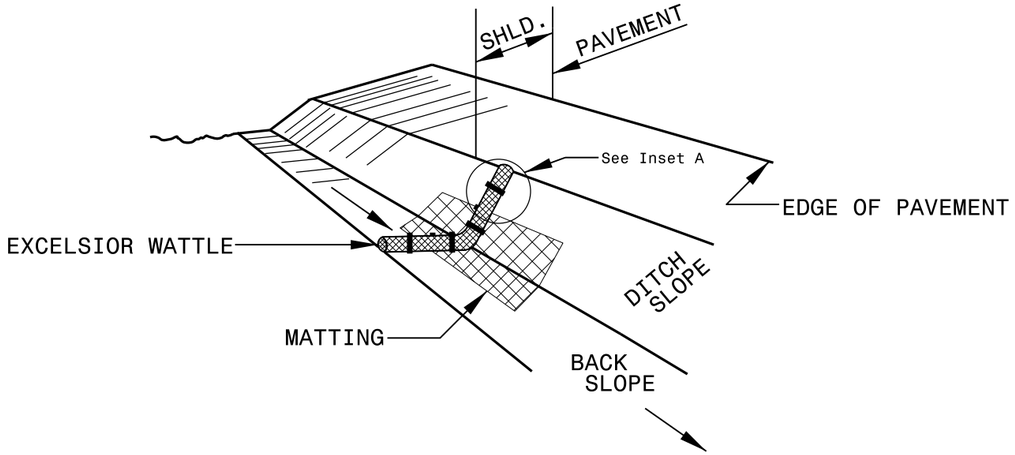
< 5' - 10' Undisturbed buffer from inlet, add wattle



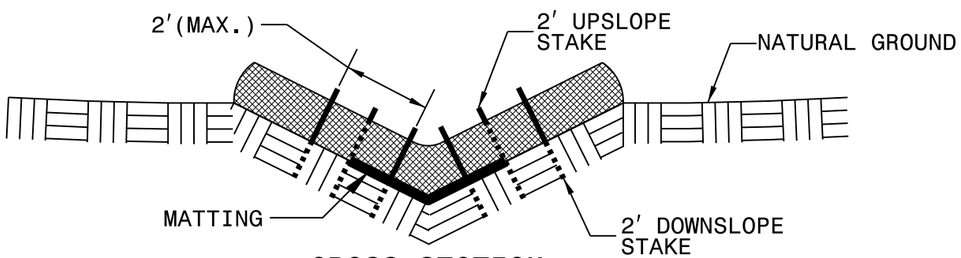
NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
B-4814	EC-3

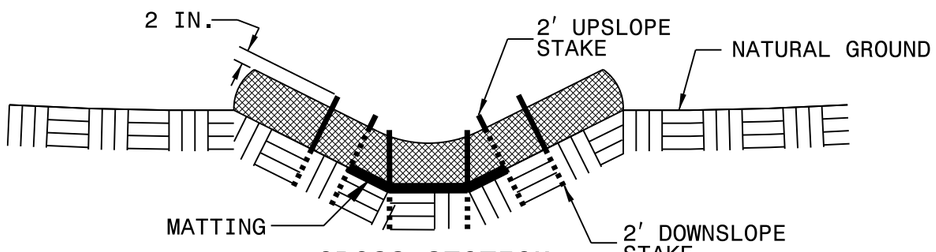
WATTLE DETAIL



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.

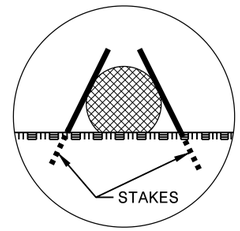
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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

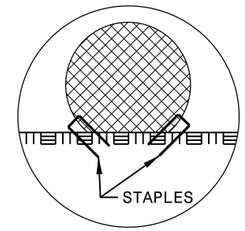
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12″ IN LENGTH.

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

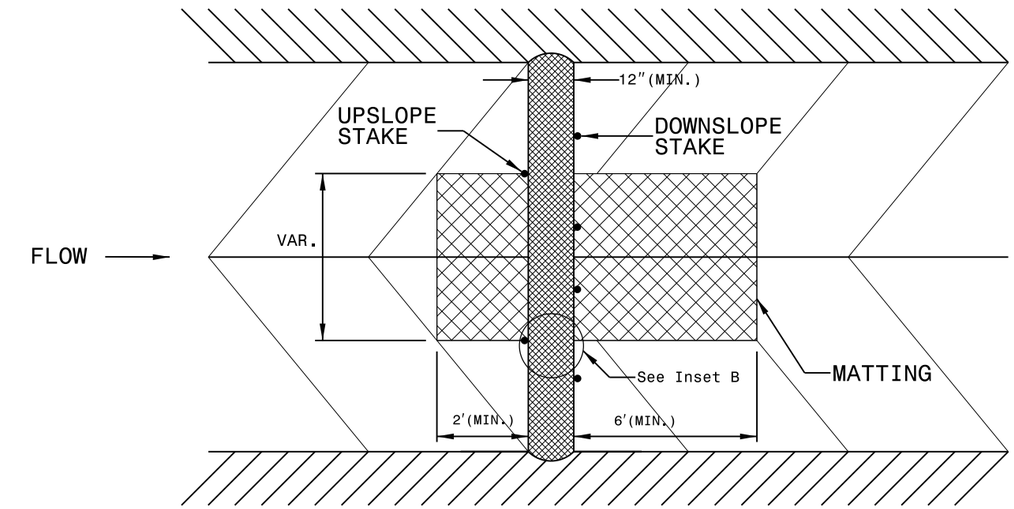
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



INSET A



INSET B



TOP VIEW