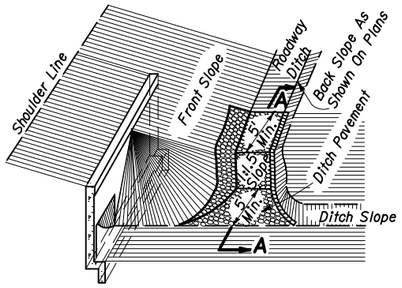
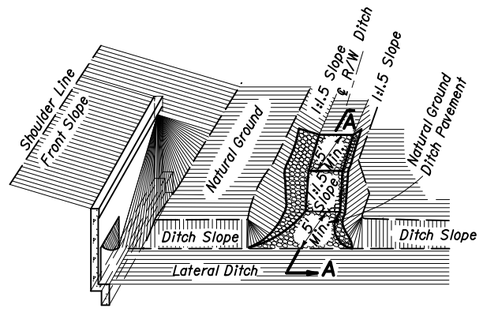
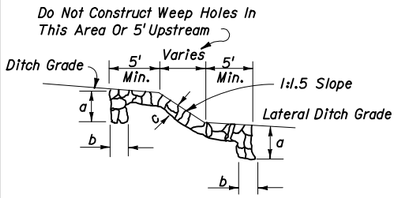




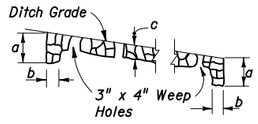
*Misc. Asphalt will not be permitted for this type of construction.

JUNCTION OF ROADWAY DITCH* AND LATERAL DITCH

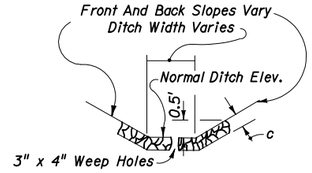
JUNCTION OF R/W DITCH* AND LATERAL DITCH



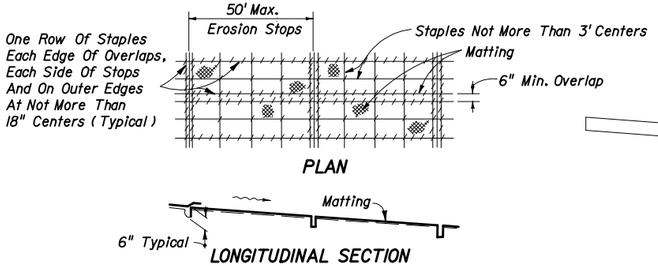
SECTION AA



PROFILE OF DITCH PAV'T AT LOCATIONS OTHER THAN JUNCTION WITH LATERAL DITCH

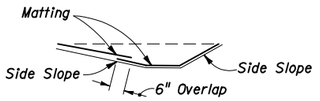


TYPICAL SECTION



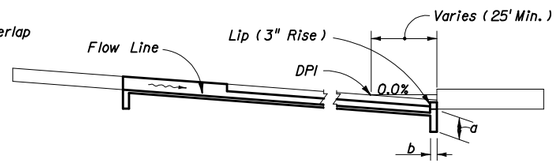
PLAN

LONGITUDINAL SECTION

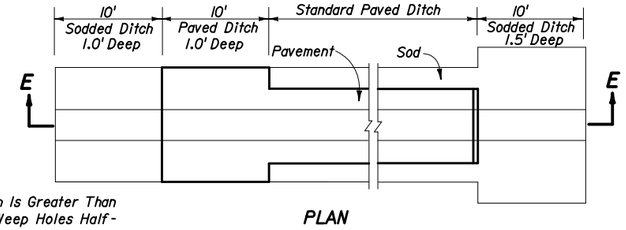


SECTION

MATTING FOR DITCH

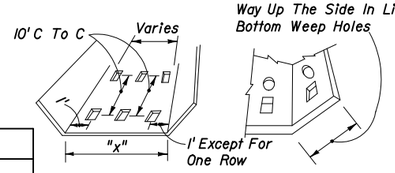


SECTION EE



PLAN

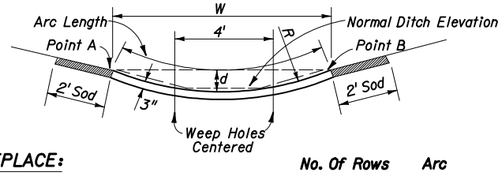
PAVED DITCH END TREATMENT



When "X" = 1' To 4' Const. 1 Row (Centered)
"X" = 5' To 7' Const. 2 Rows
"X" = 8' To 12' Const. 3 Rows
"X" = 13' To 17' Const. 4 Rows
"X" = 18' To 22' Const. 5 Rows

DITCH PAVEMENT

Pavement Type	Dimensions a	b	c	Payment Unit	Basis Of Estimate	Filter Fabric Type	Velocity Range	References & Remarks
Concrete	24"	6"	3"	SY	SY	D-6	Low-High	Section 524 of the Standard Specifications.
Miscellaneous Asphalt	24"	12"	4"	TN	0.2 TN/SY	None	Low-Moderate	Section 339.
Rip Rap (Sand-Cement)	24"	12"	4"	CY	0.11 CY/SY	D-4	Low-Moderate	Section 530. Grouting of joints required.
Rip Rap (Ditch Lining)				TN	TN	D-2	Moderate-High	Section 530

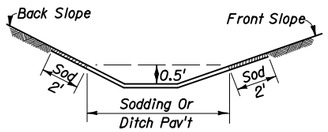


TO REPLACE:

	W	d	R	No. Of Rows Of Weep Holes	Arc Length
6' Median Swale 1:6 Front Slopes; 1:4 Back Slope	6'	.24'	19'	0	6.0
5' B.W. Ditch	10'	.67'	19'	2	10.1
4' B.W. Ditch	9'	.54'	19'	2	9.1
1:4 Front Slopes & Back Slope					
5' B.W. Ditch	9'	.74'	14'	2	9.2
4' B.W. Ditch	8'	.58'	14'	1 (in center)	8.1

ALTERNATE DITCH PAVEMENT

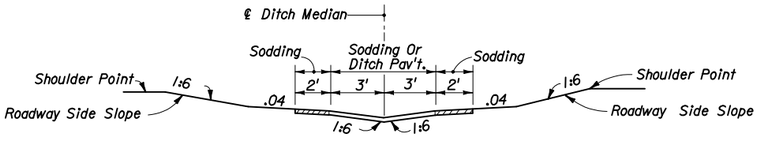
For use only where side slopes are 1:4 or flatter. Point "A" and "B" are to be the same elevation and should be used to locate the paved section.



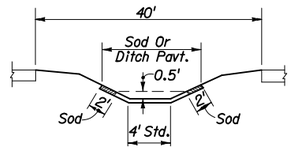
ROADWAY SIDE DITCH

Notes: All weep holes to be 3" x 4" rectangle or 4" or 5" dia. circular hole. ½ cu. ft. (12" x 12" x 6") of No. 6 aggregate to be placed under each hole. 1 sq. ft. of galvanized wire mesh (¼" openings) shall be placed between the aggregate and the concrete. Cost of holes, aggregate and wire mesh to be included in the cost of ditch pavement.

WEEP HOLE ARRANGEMENT



SWALED MEDIAN (No Weep Holes)



40' MEDIAN

GENERAL NOTES

1. Type of ditch pavement shall be as shown on plans.
2. In concrete ditch pavement, contraction joints are to be spaced at 25' maximum intervals, or as directed by the Engineer. Contraction joints may be either formed (construction joint) or tooled. No open joints will be permitted.

   Expansion joints with ½" preformed joint filler shall be constructed at all inlets, endwalls, and at intervals of not more than 200'.
3. Lip at end of ditch pavement shall normally be located downstream of DPI or on flatter grades where there is a decrease in ditch velocity.
4. Toewalls are to be used with all ditch paving. A toewall is not required adjacent to drainage structures.
5. When directed by the Engineer, weep hole spacing may be reduced to 5' minimum.
6. For junction of R/W ditch spillway and lateral ditch, sides of paving to be 1' high minimum.
7. For ditch pavements requiring filter fabric the fabric shall be placed directly beneath the pavement for the entire length and width of the pavement. When weep holes with aggregate are used the filter fabric shall be placed below the aggregate to form a mat continuous with or underlapping the pavement fabric. (See Index No. 199 for fabric type and application).
8. Ditch pavement requiring reinforcement shall be detailed in the plan.
9. Cost of plastic filter fabric to be included in the contract unit price for ditch pavement.

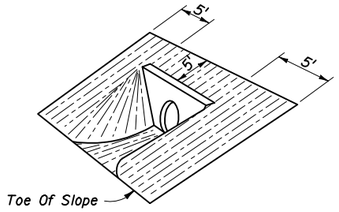
2006 FDOT Design Standards

DITCH PAVEMENT & SODDING

Last Revision 07/01/05

Sheet No. 1 of 2

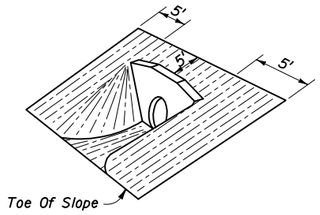
Index No. 281



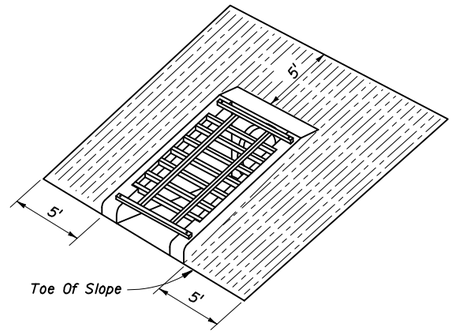
Note: Sodding quantities for each endwall to be determined by the designer from this detail.

(EXCEPT INDEX NO. 250)

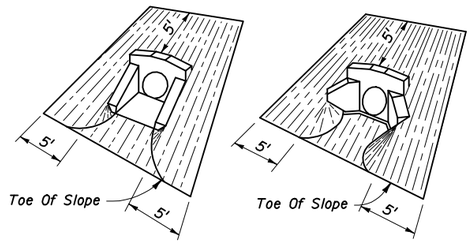
STRAIGHT ENDWALL



STRAIGHT ENDWALL
INDEX NO. 250

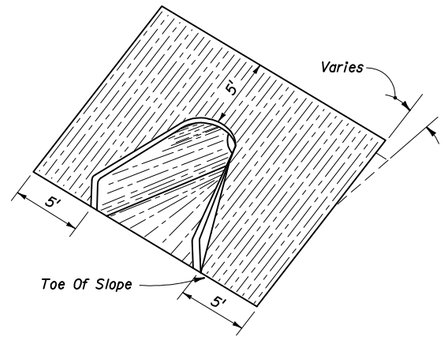


U-TYPE ENDWALL
INDEX NO. 261

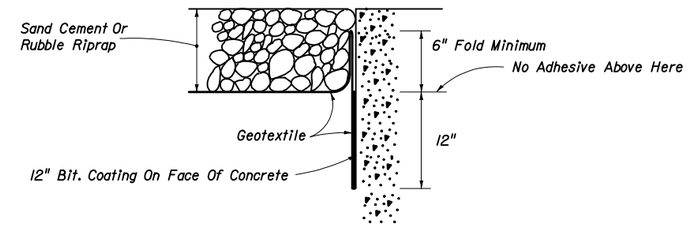


U-TYPE WINGS 45° WINGS

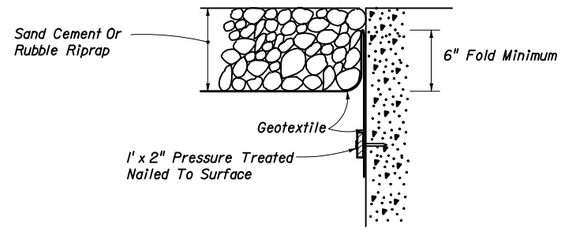
WINGED ENDWALLS
INDEX NO. 266



FLARED END SECTION
INDEX NO. 270



BONDED OPTION



NAILED OPTION

Note: Either option may be used unless otherwise called for in the plans.

GEOTEXTILE PLACEMENT AT CONCRETE STRUCTURE

SODDING QUANTITIES (S. Y.)

PIPE SIZE	INDEX NO. 250												INDEX NO. 261				INDEX NO. 266				INDEX NO. 270
	SLOPE												SLOPE				SLOPE				ALL SLOPES
	1 : 2			1 : 3			1 : 4			1 : 6			1 : 2	1 : 3	1 : 4	1 : 6	1 : 2	1 : 3	1 : 4	1 : 6	
	PIPES												PIPES				PIPES				PIPES
	1	2	3	1	2	3	1	2	3	1	2	3	1	1	1	1	1	1	1	1	1
12"																	14	15	18	22	10
15"	19	21	24	22	26	29	26	30	33	34	38	43	13 (15)	16	17	23	15	17	20	25	11
18"	21	24	27	25	29	33	30	34	38	39	44	50	14 (16)	17	19	25	16	18	22	28	11
21"																					12
24"	26	30	34	32	37	42	38	44	50	50	58	66	15 (17)	19	21	28	19	22	26	34	14
27"																					15
30"	31	37	42	39	46	53	46	55	63	62	74	85	17 (18)	21	24	32	21	25	30	40	16
36"	37	44	52	46	56	65	56	67	79	76	91	107					24	29	35	47	18
42"	43	53	62	55	67	79	67	82	96	91	111	132					27	32	39	54	19
48"	50	62	73	64	79	93	78	97	115	108	133	158					30	36	44	61	21
54"	57	71	85	74	92	110	91	113	136	126	157	188									21
60"																					22
66"																					25
72"																					26
													( ) Endwall With Baffles								

SODDING