

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 Ditch

- Back Slope As

Shown On Plans

ALTERNATE DITCH PAVEMENT

Front Slope

SECTION MATTING FOR DITCH

50' Max. Erosion Stops

6" Typical

PLAN

Matting -

LONGITUDINAL SECTION

JUNCTION OF R/W DITCH*

AND LATERAL DITCH

3"x4" Weep Holes —

Normal Ditch Elev.

Front And Back

Slopes Vary

— 6" Overlap

Note: All weep holes to be 3"x4" rectangle or 4" or 5" dia. circle hole. V_2 cu. ft. (12" x 12" x 6") of No. 6 aggregate to be placed under each hole. 1 sq. ft. of galv. wire mesh ($\frac{1}{4}$ " openings) shall be placed between the aggregate and the ditch pavement. Cost of holes, aggregate and wire mesh to be included in the cost of ditch navement.

10' C. to C.

Staples Not More Than 3' Centers

6" Min. Overlap

One Row Of Staples

Each Edge Of Overlaps,

Each Side Of Stops And

On Outer Edges At Not

More Than 18" Centers

(Typical)

When Width Is Greater Than 4',

One Row

When "x"= 1' To 4' Const. 1 Row (Centered)

"x"= 5' To 7' Const 2 Rows

"x"= 8' To 12' Const. 3 Rows

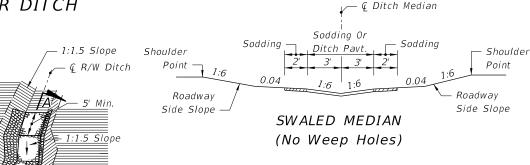
"x"= 13' To 17' Const. 4 Rows

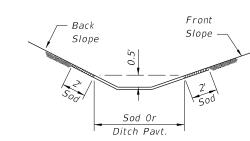
"x"= 18' To 22' Const. 5 Rows

Const. Weep Holes Half-Way Up The

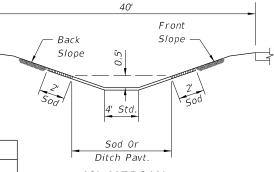
Side In Line With Bottom Weep Holes

WEEP HOLE ARRANGEMENT





ROADWAY SIDE DITCH



40' MEDIAN

* Filter Fabric Required.

Front Slope

Ditch Slope * Misc. asphalt will not be permitted for this type of construction.

(in center)

JUNCTION OF ROADWAY DITCH* AND LATERAL DITCH

Do Not Construct Weep Holes In This Area Or 5' Upstream Ditch 5' Varies 5' Grade · Min. Ditch Grade 3"x4" Weep Holes

≣5' Min.≣

PROFILE OF DITCH PAVEMENT

AT LOCATIONS OTHER THAN JUNCTION WITH LATERAL DITCH

TABLE 1: DITCH PAVEMENT													
Pavement Type	Dimensions			Payment	Basis Of	Filter Fabric	Velocity	References & Remarks					
	а	b	С	Unit	Estimate	Туре	Range	nererences & Remarks					
Concrete	24"	6"	3"	5Y	SY	D-4*	Low-High	Section 524 of the Standard Specifications.					
Miscellaneous Asphalt	24"	12"	4"	TN	0.2 TN/SY	None	Low-Moderate	Section 339.					
Riprap (Sand-Cement)	24"	12"	4"	CY	0.11 CY/SY	D-4*	Low-Moderate	Section 530. Grouting of joints required.					
Riprap (Ditch Lining)				TN	TN	D-2*	Moderate-High	Section 530.					

11/01/17

DESCRIPTION: **REVISION**

SECTION AA

FDOT

FY 2018-19 STANDARD PLANS

TYPICAL SECTION

5' Min.≡

Ditch Width Varies

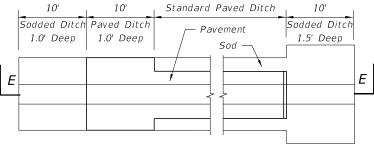
Front And Back

DITCH PAVEMENT AND SODDING

INDEX 524-001

SHEET 1 of 2

— Varies (25' Min.) Lip (3" Rise) Flow Line SECTION EE



PLAN PAVED DITCH END TREATMENT

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 in concrete ditch pavement.

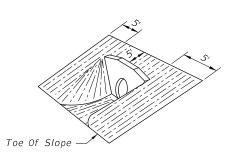
Expansion joints with $\frac{1}{2}$ " preformed joint filler shall be constructed at all inlets, endwalls, and at intervals of not more than 200'.

- 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 (See Table 1) place the filter fabric directly beneath the pavement for the entire length and width of the pavement. See Standard Specification Section 985 for fabric requirements and application.
- When weep holes with aggregate are used, place filter fabric below the aggregate to form a mat continuous with the pavement filter fabric or underlapping the pavement filter fabric, if present.
- 9. Ditch pavement requiring reinforcement shall be detailed in the plans.
- 10. Cost of plastic filter fabric to be included in the contract unit price for ditch pavement.
- 11. Sodding to be paid for under contract unit price for Performance Turf, SY

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

(EXCEPT INDEX 430-030)

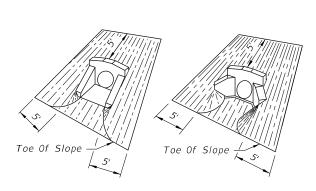
STRAIGHT ENDWALL



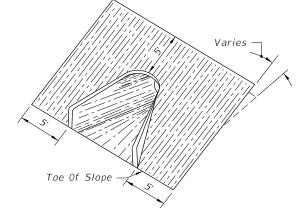
Toe Of Slope

STRAIGHT ENDWALL INDEX 430-030

U-TYPE ENDWALL INDEX 430-011



U-TYPE WINGS 45° WINGS WINGED ENDWALLS INDEX 430-040



FLARED END SECTION INDEX 430-020

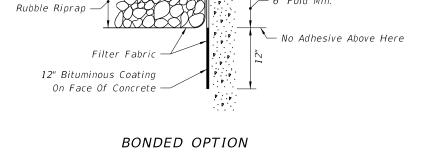
	TABLE 2: SOD QUANTITIES (SY)																				
		INDEX 430-030											INDEX 430-011				INDEX 430-040				INDEX 430-020
PIPE	SLOPE											SLOPE				ALL SLOPES					
SIZE		1:2 1:3 1:4 1:6								1:2	1:3	1:4	1:6	1:2	1:3	1:4	1:6	ALL SLOTES			
							PIPES						PIPES				PIPES				PIPES
	1	2	3	1	2	3	1	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											

SOD PLACEMENT AT PIPE/CULVERT END TREATMENTS

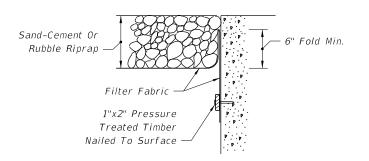
REVISION 11/01/17

DESCRIPTION:

FY 2018-19 STANDARD PLANS



6" Fold Min.



Sand-Cement Or

NAILED OPTION

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

FILTER FABRIC PLACEMENT AT CONCRETE STRUCTURE