ORIGINATION FORM -

Proposed Revisions to a Standard Plans Index

(Please provide all information — Incomplete forms will be returned)

Contact Information:

Standard Plans:

Date: April 19, 2022 Originator: Tim Holley Index Number: 524-001 Sheet Number (s): All

Phone: (850) 414-4117

Index Title: Ditch Pavement and Sodding

Email: tim.holley@dot.state.fl.us

Summary of the changes:

Redeveloped and Reorganized Index, moved Specification language to Specifications.

Sheet 1: Ditch Sections and Paved End Treatment. Notes Updated. General Note 2 and 8 moved to Specifications, Note 5 moved to Sheet 3

Sheet 2: Ditch Pavement Junction details and Table 1.

Sheet 3: Alternate Ditch Paving, Matting for Ditch, Weep Hole Arrangement, and Filter Fabric Placement at Concrete Structure.

Commentary / Background:

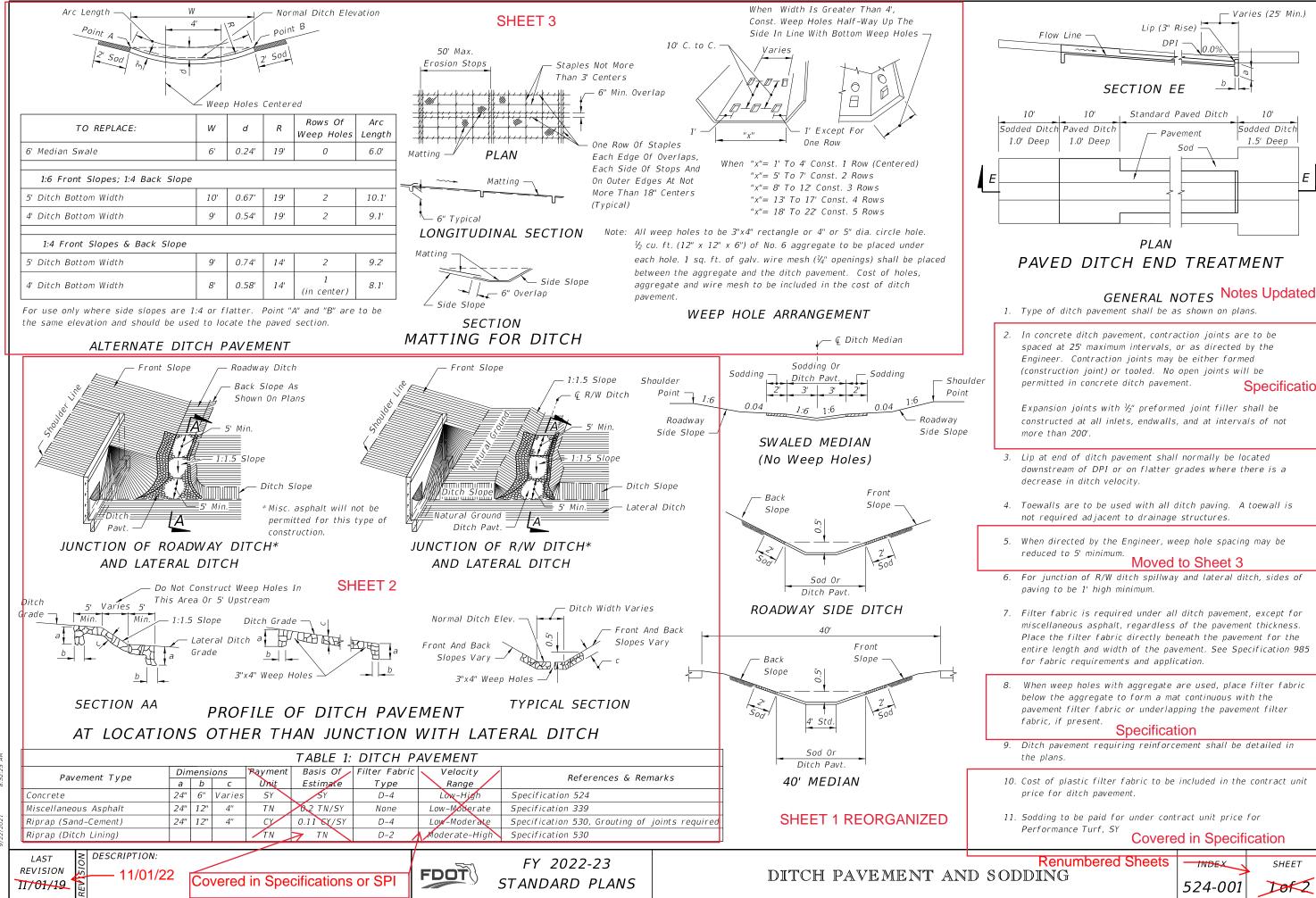
Redeveloped and reorganized the Index for clarity and to reduce clutter.

Moving joint language to Specifications should help clarify construction of joints for slope pavement and ditch pavement.

Other Affected Offices / Documents: (Provide name of person contacted)

Yes	No		
	\checkmark	Other Standard Plans –	
	\checkmark	FDOT Design Manual –	
	\checkmark	Basis of Estimates Manual –	
\checkmark		Standard Specifications – Daniel Strickland	
	lacksquare	Approved Product List –	
	\checkmark	Construction –	
	\checkmark	Maintenance –	
Origination Package Includes: (Submit package to Rick Jenkins)			Implementation:
Yes	N/A	A.	Design Bulletin (Interim)
		Redline Mark-ups	☐ DCE Memo
		Revised or Proposed Standard Plan Instruction (SPI)	Program Mgmt. Bulletin
		Other Support Documents	FY-Standard Plans (Next Release)

Contact the Roadway Design Office for assistance in completing this form -



10'

Sodded Ditch

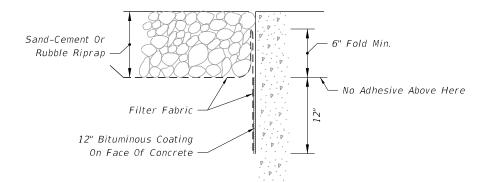
1.5' Deep

Specification

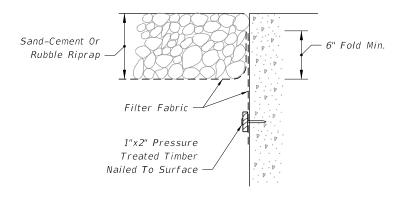
524-001

Dof 2

Moved to Sheet 3



BONDED OPTION



NAILED OPTION

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

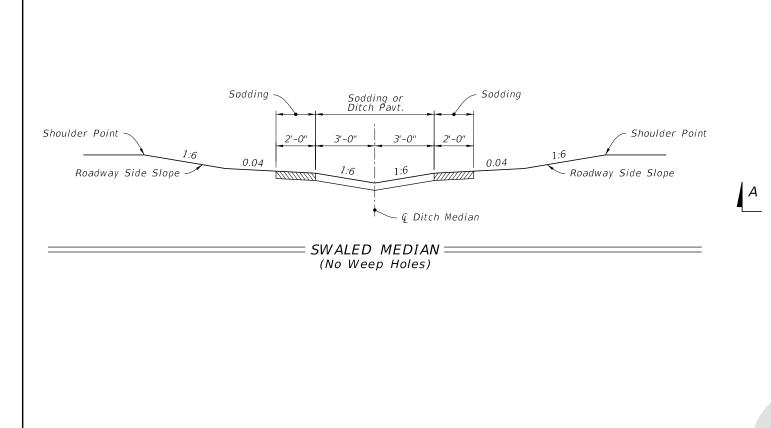
FILTER FABRIC PLACEMENT AT CONCRETE STRUCTURE

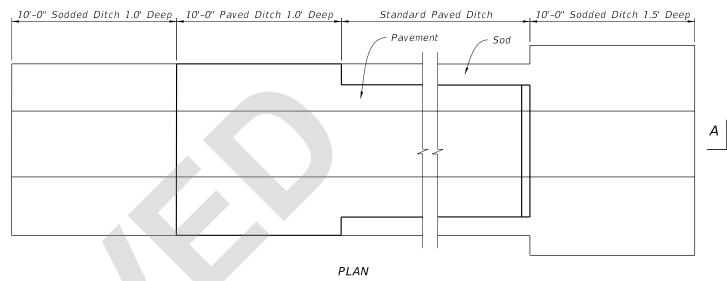
9/22/2021 8;

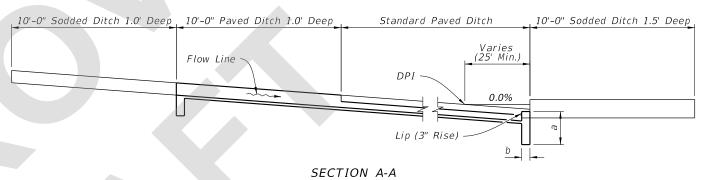
REVISION DESCRIPTION:

11/01/19

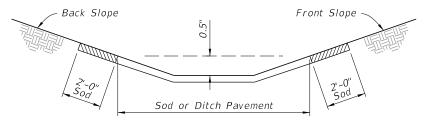




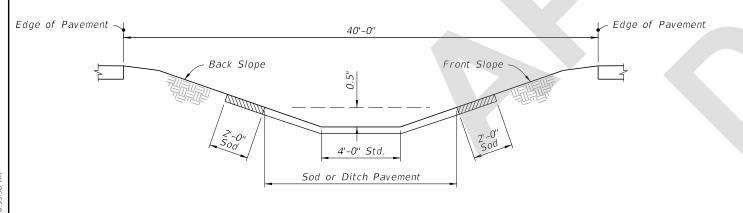




PAVED DITCH END TREATMENT =



ROADWAY SIDE DITCH



40' MEDIAN =

GENERAL NOTES:

- 1. Install type of ditch pavement shown on Plans.
- 2. Construct lip at the end of ditch pavement downstream of DPI or on flatter grades where there is a decrease in ditch velocity.
- 3. Use toewalls with all ditch paving, except adjacent to drainage structures.
- 4. Construct sides of paving with 1' minimum height for junction of R/W ditch spillway and lateral ditch.
- 5. Install filter fabric under all ditch pavement except for miscellaneous
- 6. Install ditch pavement requiring reinforcement as detailed in Plans.

REVISION 11/01/22

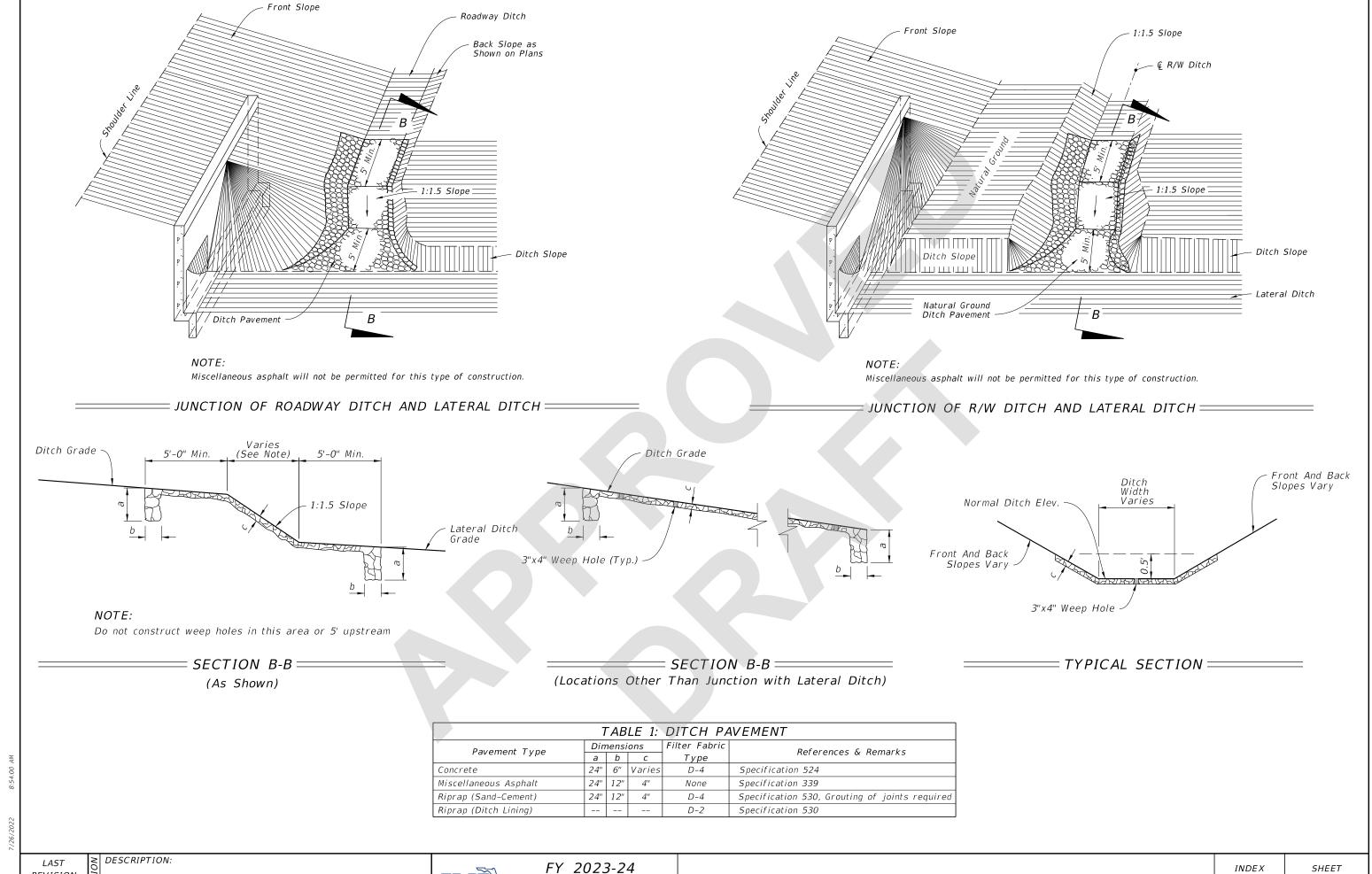
DESCRIPTION:

FDOT

FY 2023-24 STANDARD PLANS DITCH PAVEMENT AND SODDING

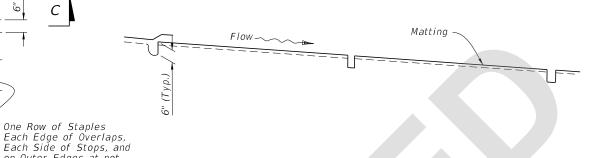
INDEX *524-001*

SHEET 1 of 3

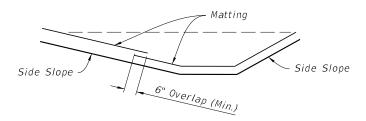


REVISION 11/01/22

FDOT



SECTION C-C



SECTION D-D

= MATTING FOR DITCH

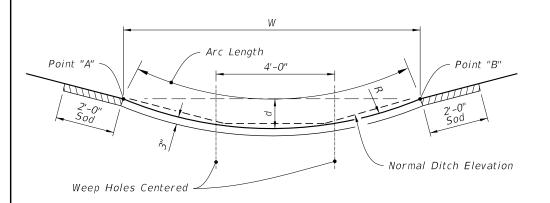
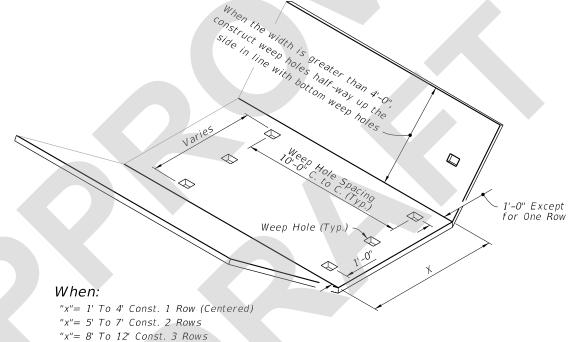


TABLE 2: ALTERNATE DITCH PAVEMENT								
TO REPLACE:		d	R	Rows Of Weep Holes	Arc Length			
6' Median Swale	6'	0.24'	19'	0	6.0'			
1:6 Front Slopes; 1:4 Back Slope								
5' Ditch Bottom Width	10'	0.67'	19'	2	10.1'			
4' Ditch Bottom Width	9'	0.54'	19'	2	9.1'			
1:4 Front Slopes & Back Slope								
5' Ditch Bottom Width	9'	0.74'	14'	2	9.2'			
4' Ditch Bottom Width	8'	0.58'	14'	1 (in center)	8.1'			

NOTE:

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



NOTES:

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

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

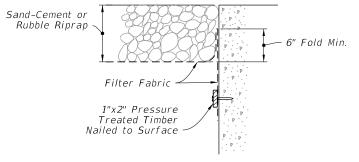
(Typical)

- 1. Construct all weep holes 3"x4" rectangle or 4" or 5" diameter circle hole. Place $\frac{1}{2}$ cu. ft. (12" x 12" x 6") of No. 57 aggregate under each hole with 1 sq. ft. of galvanized wire mesh ($\frac{1}{4}$ " openings) placed between the aggregate and the ditch pavement.
- 2. Rectangle weep holes shown, round weep holes similar.
- 3. Weep hole spacing may be reduced to 5' minimum when directed by the Engineer.

= WEEP HOLE ARRANGEMENT =

Sand-Cement or Rubble Riprap 6" Fold Min. No Adhesive Above Here Filter Fabri 12" Bituminous Coating of Face of Concrete

BONDED OPTION



NAILED OPTION

NOTE:

Either option may be used, unless called for in the plans.

== FILTER FABRIC PLACEMENT ==== AT CONCRETE STRUCTURE

= ALTERNATE DITCH PAVEMENT =

FDOT

FY 2023-24 STANDARD PLANS

INDEX

SHEET

11/01/22

DESCRIPTION: REVISION