

308 Summary of Drainage Structures and Optional Materials Tabulation

308.1 General

The Summary of Drainage Structures sheet will no longer be produced. See **FDM 902** for guidance on the Estimated Quantities Report.

The Optional Materials Tabulation sheet is included when providing acceptable options for pipe material and sizes that will satisfy the Design Service Life. The sheet format is available in the FDOT CADD Software.

See **Exhibits 308-1** and **308-2** for illustrations of Optional Materials Tabulation sheets.

308.2 Optional Materials Tabulation

Optional culvert materials must be considered for all culverts; however, culvert extensions and end section replacements are to match the existing culvert material. See Chapter 8 of the [Drainage Design Guide](#) for more information.

Conduct an Optional Pipe Materials Analysis and prepare an Optional Materials Tabulation sheet to be placed in the plans.

The Optional Material Tabulation sheet is to include:

- (1) Structure number, or description
- (2) Design service life (DSL)
- (3) Size
- (4) Material and thickness or class, corrugation requirements, protective coating

Modification for Non-Conventional Projects:

Delete **FDM 308.2** and see **Chapter 6** of the [Drainage Manual](#) for Optional Material requirements. Designate installed material on the Optional Materials Sheet or on the as-built plan view.

THIS EXAMPLE SHOULD BE USED WHEN PIPE FLOW LINES, AND/OR SIZES FOR INDIVIDUAL OPTIONS ARE NOT THE SAME (SEE STRUCTURE NO. 14) OR WHEN NUMEROUS EXCEPTIONS OCCUR.

STR. NO.	DSL YEARS	SIZE (Inches)	PLOTTED	MATERIAL & THICKNESS	FL	FL	AS BUILT	REMARKS
1	100	18	X	RCP CLASS II				
2	100	18	X	RCP CLASS II				
3	100	15	X	RCP CLASS II SRAP	7.0			
4	100	36	X	RCP CLASS II SRSP, 12 GA. SRAP, 12 GA. SRASP, 16 GA.	5.7			
5	100	15	X	RCP CLASS II SRAP	7.7			
6	100	36	X	RCP CLASS II SRSP, 12 GA. SRAP, 12 GA. SRASP, 16 GA.	6.4	5.7		
7	100	36	X	RCP CLASS II	6.5	6.4		
8	100	42	X	RCP CLASS II SRAP SRSP	7.9	7.7		
9	100	30	X	RCP CLASS II SRAP, 16 GA. SRSP, 16 GA.	6.8	6.5		
10	100	18	X	RCP CLASS II SRAP, 16 GA. SRSP, 14 GA. SRASP, 16 GA.	7.6	7.2		
11	100	18	X	RCP CLASS II SRAP, 16 GA. SRSP, 14 GA. SRASP, 16 GA.	8.0	7.6		
12	100	24	X	RCP CLASS III				ENDWALL
13	100	24x38 35x24	X	ERCPC CLASS II ASPA, 14 GA.	10.4	10.3		
14	50	30	X	RCP CLASS III SRASP 14 GA. SRAP, 14 GA. HDPE-1 PVC	6.0	5.9		
		36		CAP, 16 GA.	5.9	5.8		
		36		CSP, 16 GA. BIT. COATED	5.9	5.8		
14A	50	19x30 28x20	X	ERCPC CLASS III ASPA 14 GA.	5.9	5.8		

Exhibit 308-1
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