

# PUBLIC WORKS & UTILITIES ENGINEERING & DESIGN STANDARDS

## STORM DRAINAGE CONSTRUCTION NOTES

1. All storm sewer pipe shall be reinforced concrete.
2. Storm drainage pipes shall be a minimum of fifteen (15) inch diameter (15" for short lateral runs only - up to 75 feet; all others, 18" minimum.) or equivalent and be designed in accordance with the land development code.
3. All pipe terminus shall be mitered end sections unless a headwall is approved for restricted locations.
4. Unless otherwise noted, all structures shall meet FDOT Standards.
5. Storm inlets, manholes, and catch basins shall be either poured in place or pre-cast reinforced concrete. Structures shall be required at each change of pipe size, change in pipe direction, or pipe material.
6. Storm inlets shall be spaced in such a manner as to accept one hundred (100) percent of the design storm runoff.
7. Maximum distances between inlets and/or manholes:

<u>PIPE SIZE</u> (INCHES)	<u>LENGTH RUN</u> (FEET)
15	75 * See Note 2., Above.
18	150
24	250
30	300
36	300
42	400
54 or greater	500

8. All swales, ditches maximum side and back slopes must not be greater than 3 to 1.
9. Normal roadside swales shall be constructed to a maximum depth of 18" below the outside edge of pavement or concrete curb.
10. Concrete erosion control must be provided where swales or culverts intercept drainage ditches.
11. When a pond is incorporated within a subdivision, the pond shall be on a separate tract, owned and maintained by the Homeowner's Association. Where such ponds exist and are bounded in whole or in part by streets, a strip of land not less than fifteen (15) feet wide abutting such street right-of-way shall border the pond.



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## **STORMWATER - GENERAL NOTES**

**ST001-1A**

**ISSUED 2017**

REVISED 03/01/2017 BY DJB