



NOTES

1. ALL EXPOSED PIPES SHALL BE DUCTILE IRON WITH FLANGED FITTINGS. RETAINER GLANDS. UNIFLANGE TYPE FITTINGS ARE NOT TO BE SUBSTITUTED FOR FLANGED FITTINGS.
2. SPAN HEIGHT AS REQUIRED BY PERMITTING AGENCY.
3. MAXIMUM SUPPORT SPACING SHALL BE IN ACCORDANCE TO MANUFACTURERS RECOMMENDATION.
4. FAN GUARDS ARE REQUIRED, SEE STANDARD DETAIL #20.
5. ALL EXPOSED PIPING, GUARDS AND FITTINGS SHALL BE PAINTED.
6. PIPE SHALL BE CRADLED ON NEOPRENE.
7. TIE-DOWN STRAPS MUST PROPERLY FIT AND SECURE PIPE IN CRADLE.
8. FOR CONCRETE PILES SEE DETAILS
9. ALL PAINT SPECIFICATIONS MUST BE SUBMITTED AND APPROVED BY CITY OF STUART PUBLIC WORKS DEPT. PRIOR TO APPLICATION.
10. CONCRETE IN C.I.P. CAP SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 3,400 p.s.i.
11. ALL REINFORCING STEEL SHALL BE ASTM A615 GRADE 60.
12. THE PILES SHALL BE DRIVEN TO A MINIMUM PENETRATION OF 20'-0" UNLESS THE PRESENCE OF POOR SOILS (N<3) NECESSITATE A DEEPER PENETRATION.
13. PROVIDE TWO FULL LENGTHS OF RESTRAINED D.I.P. BOTH SIDES OF CROSSING.
14. CONTINUE LOCATOR WIRE ACROSS CANAL CROSSING.
15. AIR RELEASE VALVES- MANUAL (FORCEMAIN), AUTOMATIC (WATERMAIN).



STANDARD UTILITY DETAILS
City of Stuart Public Works Department
 121 S.W. Flagler Avenue, Stuart, Florida 34994
 (772) 288-5300

**TYPICAL UTILITIES
 CANAL CROSSING**

DATE: OCTOBER 2016
 FILE NAME: 2016 COS Std Details.dwg

SHEET NUMBER
65