



NOTES:

1. ALL EXPOSED PIPE SHALL BE DUCTILE IRON OR PREFABRICATED STEEL WITH FLANGED FITTINGS AND TORUSEAL GASKETS. RETAINER GLANDS, UNIFLANGE TYPE FITTINGS ARE NOT TO BE SUBSTITUTED FOR FLANGED FITTINGS. PREFABRICATED STEEL PIPE MAY INCORPORATE WELDED ON UPPER BENDS. PREFABRICATED FLANGED PIPE SHALL BE FACTORY TESTED.
2. SPAN LENGTHS AS REQUIRED BY PERMITTING AGENCY AND PIPE MFGR.
3. FAN GUARDS ARE REQUIRED. SEE FAN GUARD / PIPE CAP DESIGN DETAILS (SLWG-11B), FOR ADDITIONAL REQUIRMENTS.
4. ALL EXPOSED PIPING AND HARDWARE SHALL BE PAINTED AS SPECIFIED IN THE QUALIFIED PRODUCTS LIST (QPL).
5. PIPE SHALL BE CRADLED ON ½" THICK NEOPRENE (DUROMETER GRADE 50). NEOPRENE SHALL EXTEND 1" BEYOND THE EDGES OF CRADLE AND STRAPS. NEOPRENE IS REQUIRED AT ALL STRAPS INSTALLED OVER STEEL PIPE.
6. TIE-DOWNS STRAPS MUST PROPERLY FIT AND SECURE PIPE IN CRADLE.
7. PIPE CRADLE IN CAP SHALL CONTACT ⅓ CIRCUMFERENCE OF PIPE.
8. THE AUTOMATIC RELEASE VALVE AND PRESSURE GAUGE SHALL BE ON THE QPL. THE PRESSURE GAUGE SHALL FACE THE CLOSEST FAN GUARD.
9. PILE LIFT CABLE SHALL BE REMOVED BELOW SURFACE; HOLE SHALL BE FILLED WITH EPOXY CEMENT.
10. 10"X10" TYPE 1A BATTER PILES WITH MINIMUM LOAD CAPACITY OF 25 TONS PER PILE IS REQUIRED. PILE PENETRATION BELOW CANAL BOTTOM SHALL BE 15' MINIMUM. SIGNED AND SEALED SHOP DRAWINGS SHALL BE SUBMITTED TO THE SLWSD.
11. PREFABRICATED STEEL PIPE SHALL HAVE WELDED ON BEARING PADS EXTENDING A MINIMUM OF 1" BEYOND PIPE CRADLE. THE PADS SHALL BE INSTALLED BY STEEL PIPE MANUFACTURER PRIOR TO PAINTING.
12. FORCE MAIN CROSSINGS OVER BODIES OF WATER MAY BE SUBJECT TO PERMIT FROM APPLICABLE REGULATORY AGENCIES.



**MINIMUM CONSTRUCTION STANDARDS FOR
ST. LUCIE WEST SERVICES DISTRICT**
450 SW UTILITY DRIVE,
PORT SAINT LUCIE, FL 34986
PHONE: (772) 340-0220

AERIAL CROSSING DETAIL

DETAIL: SLWG-11A

DATE: 03/2020

SCALE: N.T.S.

SHEET: 1 OF 2