



NOTES:

1. AIR RELEASE VALVES SHALL BE REQUIRED ON UPSTREAM SIDE OF CROSSING UNLESS NOTED OTHERWISE
2. THE LOCATION AND NUMBER OF BLOW-OFFS, AIR RELEASES, VALVES EMS MARKERS AND SIGNS SHALL BE DETERMINED BY TOWN OF JUPITER ENGINEER OR FIELD INSPECTOR.
3. IF THE WATERWAY IS NOT CUT TO THE DESIGN CROSS SECTION, THE 48" MINIMUM COVER SHALL APPLY TO THE DEEPER SECTION, WHETHER EXISTING OR DESIGN.
4. PIPE SHALL BE RESTRAINED FOR A MINIMUM DISTANCE AS NOTED ON THE WATER MAIN RESTRAINT TABLE OR 60', WHICH EVER IS LONGER FROM EACH TOP DEFLECTION.
5. ONLY APPROVED PIPE RESTRAINTS SHALL BE USED FROM VALVE-TO-VALVE THROUGHOUT SUBAQUEOUS CROSSING.
6. WHEN THIS DISTANCE EXCEEDS ONE LENGTH OF PIPE, CLASS 56 DUCTILE IRON BALL AND SOCKET PIPE SHALL BE USED FROM VALVE-TO-VALVE SPAN. THE MAXIMUM DEFLECTION ON BALL AND SOCKET PIPE SHALL NOT EXCEED 15 DEGREES.
7. WHERE HDPE PIPE IS USED FOR DIRECTIONAL BORE, PIPE SHALL BE UP-SIZED TO COMPENSATE FOR INSIDE DIAMETER CHANGE.
8. REFER TO DRAWING W-31 FOR SUBAQUEOUS CROSSING TESTING AND AIR RELEASE SYSTEM REQUIREMENTS.

SUBAQUEOUS WATERMAIN CROSSING

JUPITER UTILITIES
CONSTRUCTION STANDARDS AND DETAILS

DATE APPROVED:
 01/2013
 DRAWING No. W-13