



PROFILE

HDD INSTALLATION NOTES:

1. PROVIDE VALVES AT BOTH ENDS OF SUBAQUEOUS CROSSING. FOR WATER MAIN CROSSINGS, THE VALVE CLOSEST TO THE WATER SUPPLY SHALL BE IN A VAULT WITH PERMANENT TAPS ON EACH SIDE OF THE VALVE WITHIN THE VAULT. SEE DETAIL G-9A.
2. FOR POTABLE WATER, PROVIDE VALVE VAULT (PER DETAIL 9A) FOR MAINS 12" OR LESS IN DIAMETER.
3. PROVIDE AIR RELEASE VALVES: ONE VALVE ON EACH SIDE OF CROSSING (PER DETAIL WW-14) FOR WASTEWATER CROSSINGS AND ONE VALVE ON EACH SIDE OF CROSSING (PER DETAIL W-5) FOR WATER CROSSINGS.
4. ALL SUBAQUEOUS CROSSINGS SHALL BE DISCUSSED AT A PLAN PRE-SUBMITTAL CONFERENCE WITH REPRESENTATIVES OF THE WATER OR WASTEWATER DEPARTMENTS. SUBAQUEOUS WATER MAINS SHALL REQUIRE APPROVAL BY THE WATER OR WASTEWATER DEPARTMENT.
5. WARNING SIGN SHALL BE PLACED ALONG BANK OF WATERWAY TO CLEARLY IDENTIFY SUBAQUEOUS CROSSING. SIGN SHALL INDICATE TYPE OF PIPELINE AND DEPTH OF PIPELINE BELOW BOTTOM OF WATER BODY.
6. ALLOW 40' BETWEEN VALVE AND END OF CASING. DISTANCE LESS THAN 40' REQUIRES APPROVAL OF DEVIATION. THE 40' LENGTH SHALL NOT INCLUDE BRANCHES/TEES IN THE PIPING BETWEEN VALVE AND END OF CASING.

TYPICAL SUBAQUEOUS HORIZONTAL DIRECTIONAL DRILL (HDD)  
NTS

G-9

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