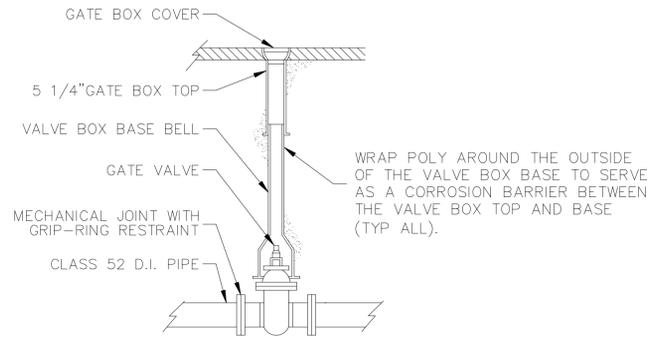
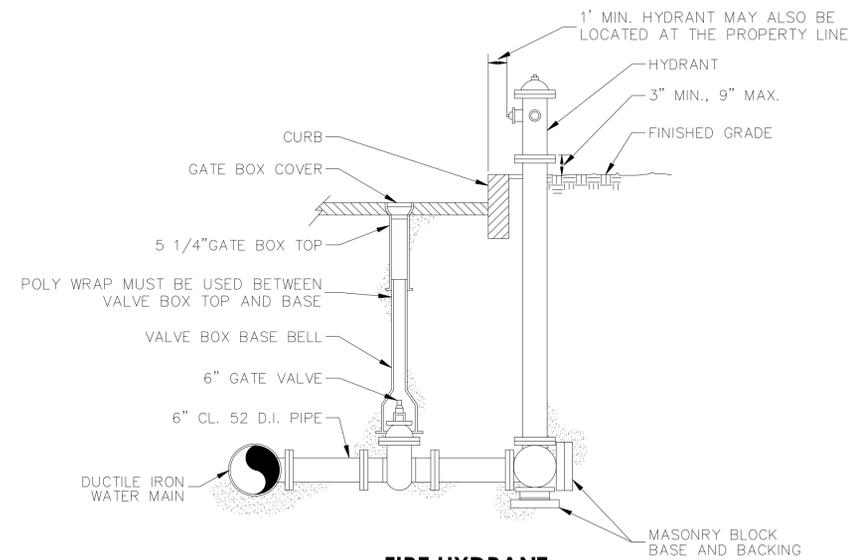


**GENERAL NOTES**

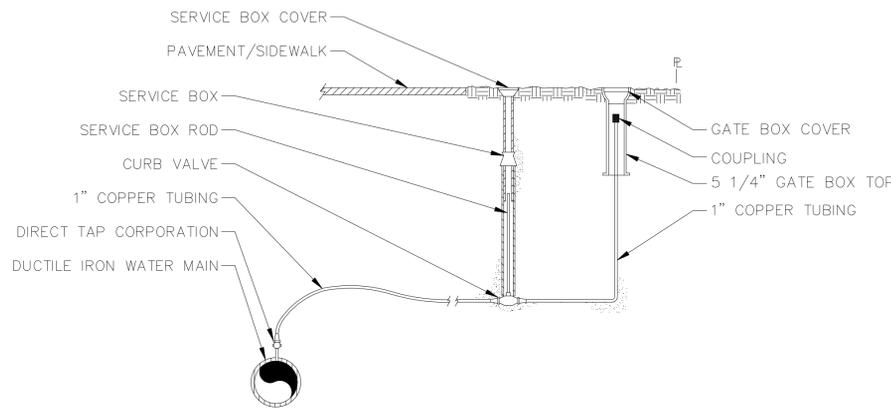
1. THE DEVELOPER SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS.
2. ALL WORK AND MATERIALS SHALL MEET APPLICABLE AWWA/ANSI STANDARDS UNLESS OTHERWISE MODIFIED BY THE DISTRICT IN THE DISTRICT'S GUIDELINES, POLICIES, DETAILS, OR MATERIAL SPECIFICATIONS.
3. TEST PITS SHALL BE EXCAVATED AT CROSSINGS WITH OTHER UTILITIES IN ADVANCE OF WATER MAIN CONSTRUCTION TO DETERMINE LOCATION AND DEPTH SUFFICIENTLY TO PERMIT ADJUSTMENT OF WATER MAIN ALIGNMENT AND DEPTH BY PIPE DEFLECTION.
4. MINIMUM DEPTH OF COVER FOR ALL WATER MAINS AND SERVICES SHALL BE 5'-0" FROM FINISHED GRADE UNLESS OTHERWISE DIRECTED BY THE DISTRICT.
5. PROPOSED PIPELINE, VALVE, AND HYDRANT LOCATIONS ARE APPROXIMATE. FINAL LOCATION MAY BE ADJUSTED, WITH WRITTEN DISTRICT PERMISSION, AS REQUIRED TO AVOID CONFLICTS WITH OTHER UTILITIES AND STRUCTURES.
6. EXISTING WATER MAINS TO BE ABANDONED IN PLACE SHALL BE CUT AND CAPPED WITH END PLUG OR END CAP.
7. ALL FITTINGS, VALVES, AND HYDRANTS SHALL HAVE MECHANICAL JOINTS RESTRAINED WITH "GRIP-RING" RESTRAINERS.
8. ANY PUSH-ON BELL JOINT WITHIN TWENTY FEET OF A FITTING REQUIRES A FIELD-LOK GASKET.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE MAIN IN ACCORDANCE WITH AWWA C600, EXCEPTING THAT MAXIMUM PIPE DEFLECTION SHALL NOT EXCEED 75 PERCENT OF THE MAXIMUM ALLOWABLE DEFLECTION SPECIFIED.
10. THE COMPLETED PIPING SYSTEM SHALL BE FLUSHED, DISINFECTED, AND PRESSURE TESTED BY THE CONTRACTOR IN THAT ORDER. THESE TESTS ARE DETAILED IN ANSI/AWWA C651 AND AWWA C600. ONCE ALL TESTS HAVE BEEN PASSED THE MAIN CAN BE ACTIVATED. SERVICES SHALL BE INSTALLED UNDER LINE PRESSURE AFTER THE SYSTEM HAS BEEN ACTIVATED.
11. THE CONTRACTOR SHALL NOT OPERATE ANY DISTRICT VALVE OR HYDRANT WITHOUT THE EXPRESSED PRIOR PERMISSION OF THE DISTRICT.



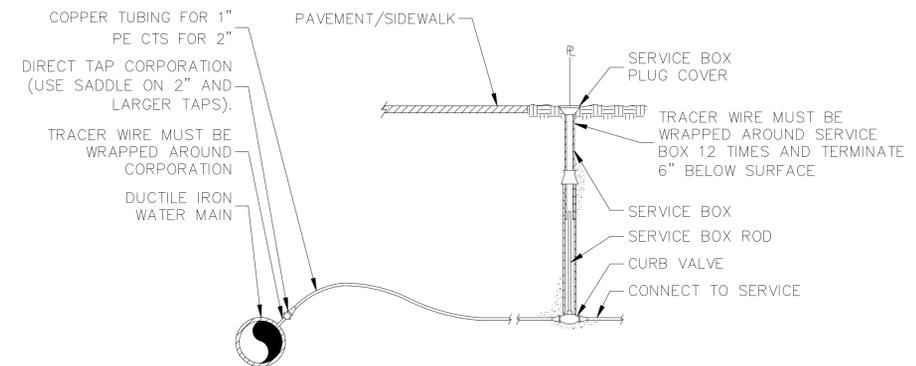
**GATE VALVE**  
NTS



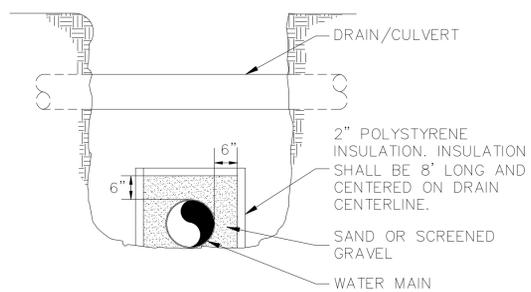
**FIRE HYDRANT**  
NTS



**AIR RELIEF**  
NTS

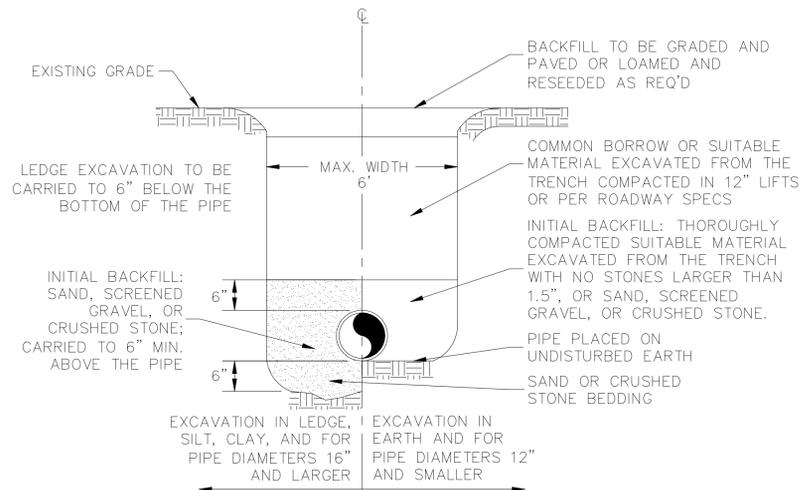


**SERVICE DETAIL**  
NTS



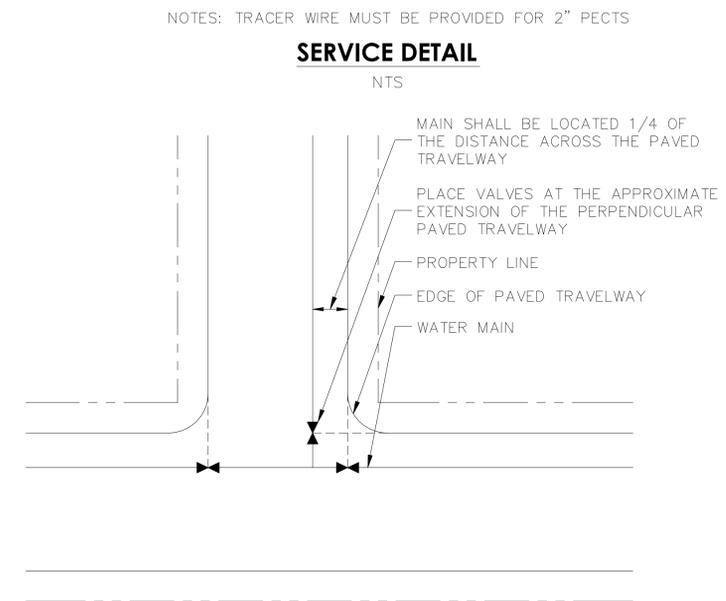
NOTES: INSULATION IS REQUIRED AT ALL DRAIN & CULVERT CROSSINGS THAT DO NOT PROVIDE A MINIMUM OF 18" OF VERTICAL SEPARATION

**INSULATION DETAIL**  
NTS



NOTES: MINIMUM DEPTH OF COVER IS 5'-0"

**TRENCH DETAIL**  
NTS



**VALVE AND WATER MAIN LOCATION**  
NTS

DRAWN BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_  
APPROVED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_  
PROJECT NO.: \_\_\_\_\_  
SCALE: \_\_\_\_\_

**BRUNSWICK & TOPSHAM  
WATER DISTRICT**  
PO BOX 489  
TOPSHAM, ME 04086

**BRUNSWICK AND TOPSHAM  
WATER DISTRICT**  
TOPSHAM, ME  
**DETAILS**

REVISED 1/28/2013

SHEET 1 OF 2