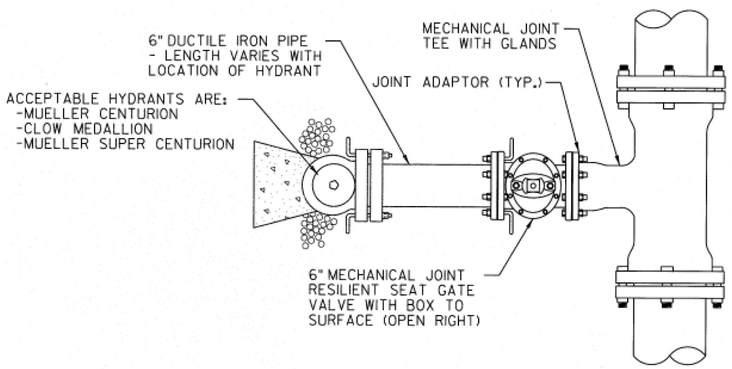
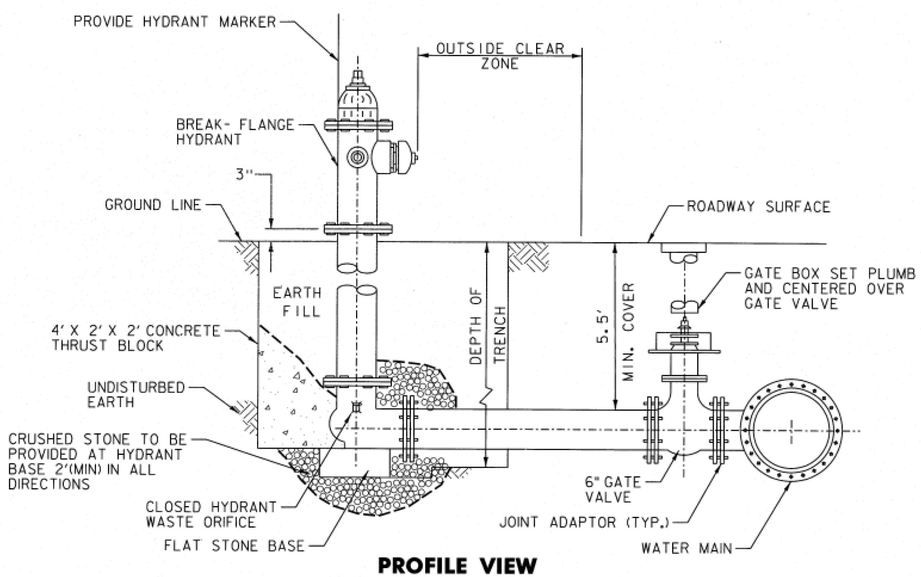


PLAN VIEW



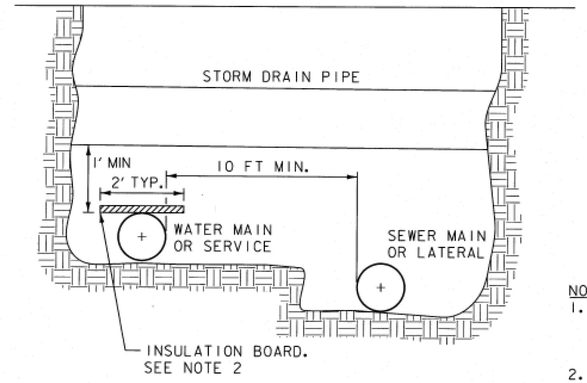
PROFILE VIEW

NOTES

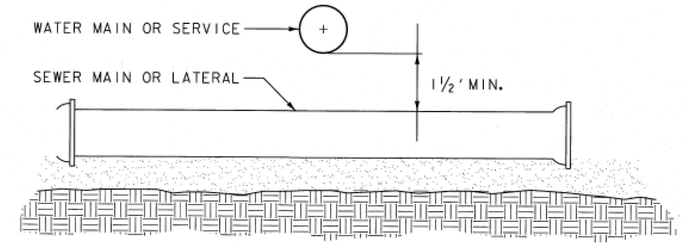
1. ALL MATERIALS AND INSTALLATION PROCEDURES SHALL CONFORM TO AWWA TECHNICAL SPECIFICATIONS.
2. SUBSTITUTE RETAINER GLANDS IN LIEU OF THREADED ROD OR GRIP RINGS. CONTRACTOR SHALL IDENTIFY SELECTION OF RESTRAINT IN WORKING DRAWING PROVIDED TO ENGINEER FOR REVIEW.
3. THE HYDRANT DRAIN PORT SHALL BE PLUGGED.
4. 6" PIPE AND GATE VALVE SHALL BE PAID FOR UNDER ITEM 900.640 SPECIAL PROVISION (DUCTILE IRON PIPE, CEMENT-LINED, ALL-INCLUSIVE) AND ITEM 629.27 GATE VALVE WITH VALVE BOX. HYDRANTS SHALL BE PAID FOR UNDER ITEM 629.28 HYDRANT. ALL NECESSARY FITTINGS AND BENDS SHALL BE CONSIDERED INCIDENTAL AS NOTED IN THE SPECIFICATIONS AND SPECIAL PROVISIONS.

TYPICAL HYDRANT INSTALLATION

NOT TO SCALE



PARALLEL INSTALLATION

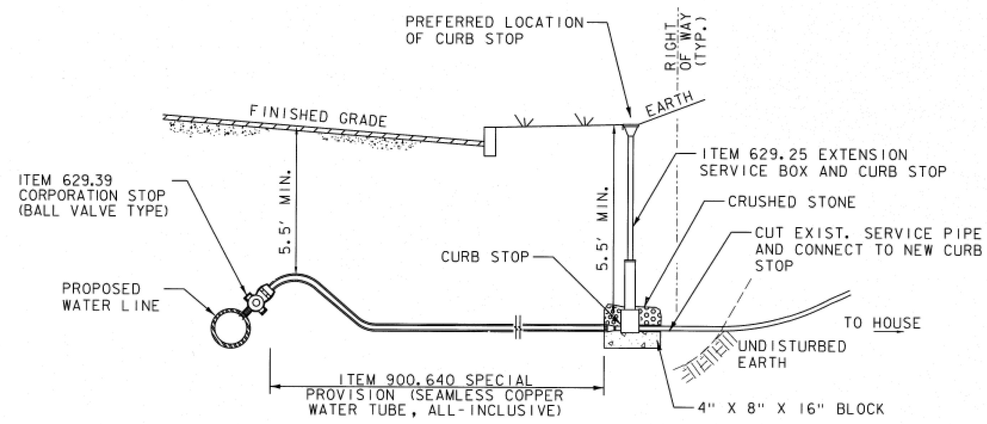


MAIN CROSSINGS

NOTES

1. WATER MAINS SHALL BE ADJUSTED AS NEEDED TO AVOID DRAINAGE AND SEWER PIPES. SEE PLANS, PROFILES AND CROSS SECTIONS FOR THE LOCATION OF UNDERGROUND FEATURES.
2. ITEM 622.10 INSULATION BOARD SHALL BE PROVIDED FOR 8' ALONG WATER MAIN WHERE WATER MAIN EXTENDS WITHIN 1.5' OF DRAINAGE PIPE OR MANHOLE FEATURES. INSULATION BOARD SHALL BE 2" THICK. THE USE OF INSULATION BOARD IS NOT ANTICIPATED. A QUANTITY OF INSULATION BOARD HAS BEEN INCLUDED FOR USE DUE TO FIELD CHANGES OR AS DIRECTED BY THE ENGINEER.

WATER MAIN SEPARATION DETAIL



NOTES

1. INSTALLED SERVICE SIZE TO BE BASED ON EXISTING SERVICE LINE SIZE OR AS DIRECTED BY ENGINEER. COMPRESSION FITTINGS SHALL BE USED.
2. FIELD APPLY STRIP TYPE INSULATION SUITABLE FOR UNDERGROUND INSTALLATION TO CORPORATION STOP.
3. CURB BOX TO BE INSTALLED SUCH THAT ITS COVER IS FREE OF ANY OBSTRUCTIONS. CURB BOXES SHALL NOT BE INSTALLED WITHIN PROPOSED ROADWAY.

TYPICAL WATER SERVICE CONNECTION

RECORD DRAWING WATER AND SEWER ELEMENTS

SOME OF THE CONTENT SHOWN ON THESE RECORD DRAWINGS HAS BEEN PREPARED BASED ON INFORMATION FURNISHED BY OTHERS. THE LOCATION OF ITEMS SHOWN WITHOUT LABELED DIMENSIONS SHALL BE CONSIDERED AS APPROXIMATE. MODIFICATIONS TO BRIDGE ELEMENTS ARE NOT ADDRESSED ON THESE RECORD PLANS. THE SITE WAS NOT RE-SURVEYED AFTER CONSTRUCTION, SO RECORD LOCATIONS, ELEVATIONS AND FINISH GRADES ARE APPROXIMATE AND SHALL BE CONSIDERED "SCHEMATIC." DETAILS AND CROSS SECTIONS MAY NOT REFLECT "AS-BUILT"CONDITIONS.

WATER AND SEWER PLANS	PROJECT NAME: RUTLAND CITY PROJECT NUMBER: BRF 3000(16)
CLD CONSULTING ENGINEERS 540 Commercial Street, Manchester, NH 03101 (603) 668-8223 • Fax: (603) 668-8802 cld@cldengineers.com • www.cldengineers.com Maine • New Hampshire • Vermont	FILE NAME: z94J092wtrswrdet.dgn PROJECT LEADER: C. BEAN DESIGNED BY: D. LEWIS WATER/SEWER DETAIL 3 PLOT DATE: 6/17/2014 DRAWN BY: W. GORDON CHECKED BY: S. REICHERT SHEET 7 OF 22