NOTES FOR DESIGNER: (DO NOT INCLUDE IN CONSTRUCTION DRAWINGS)

1. MASTER SHEET DETAIL IS PART OF PROJECT. ADD SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENTS, CONTACT THE ESM CIVIL POC.

2. REFER TO LANL MASTER STANDARDS FOR ADDITIONAL REQUIREMENTS:
   - 2.1. ENGINEERING MANUAL, CIVIL CHAPTER.
   - 2.2. MASTER SPECIFICATION 31 2000, EARTH MOVING.
   - 2.3. MASTER SPECIFICATION 33 1000, WATER UTILITIES.
   - 2.4. MECHANICAL DRAWING ST-D2020-1, SITE/BUILDING WATER COMPONENTS DIAGRAM.

3. CONSULT WITH LANL UTILITIES & INSTITUTIONAL FACILITIES GROUP WATER SYSTEM REPRESENTATIVE FOR ALL TIE-INS DURING DESIGN PHASE.

GENERAL NOTES:

1. IF THIS SHEET IS NOT 24"X36" USE GRAPHIC SCALE ACCORDINGLY.

KEYED NOTES:

1. RUN NEW SERVICE LINE TO WITHIN 6" OF EXISTING MAN.

2. MINIMUM BELL HOLE AT BOTTOM OF TRENCH: 24" FROM CENTERLINE OF NEW PIPE (ON EACH SIDE: 18" FROM EDGE ON BACK SIDE; IF 6" IN FRONT OF MAN, STOP AT EDGE OR STEP TRENCH TO MEET OSHA REQUIREMENTS.

3. LANL CONSTRUCTION INSPECTOR WILL ENSURE MATERIALS REQUIRED FOR HOT TAP OR CUT IN TEE ARE AT JOB SITE. DISINFECTION AND PRESSURE TESTING OF THE SERVICE LINE HAVE BEEN COMPLETED PRIOR TO NOTIFICATION OF MSS U&I. BELL HOLE IS DONE PRIOR TO NOTIFYING MSS U&I.

4. LANL CONSTRUCTION INSPECTOR WILL GIVE MSS U&I 15 WORKING DAYS NOTICE OF THE NEED TO SCHEDULE A TIE-IN TO EXISTING UTILITIES.

5. LOCATE GATE VALVE NEAR MAN - PREFERABLY IN UNPAVED AREA.

WATER PIPING TIE-IN DETAIL

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