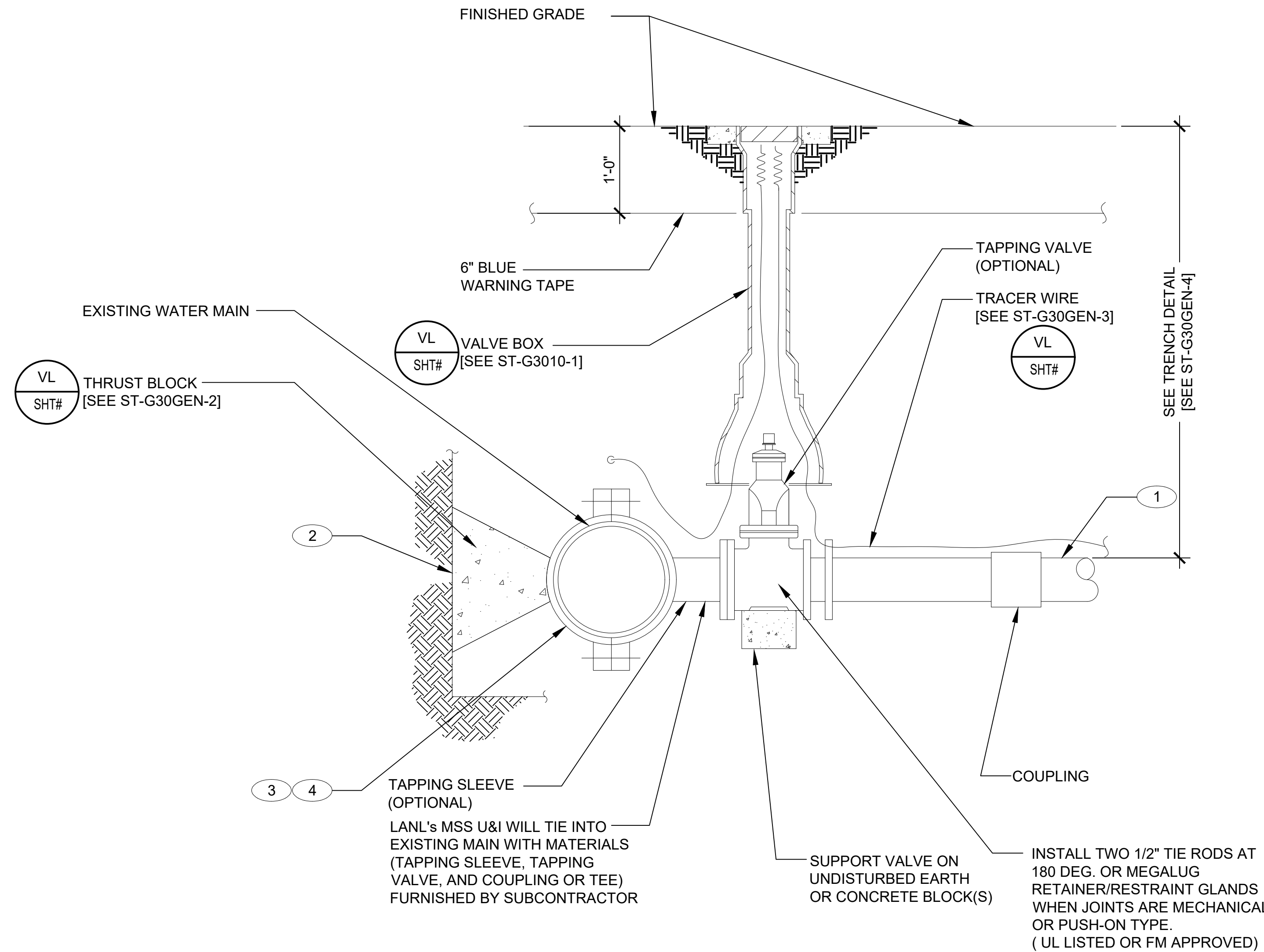


D

C

B

A



VL **WATER PIPING TIE-IN DETAIL**
SHT#

1" = 1'-0"

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

1. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB 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. CIVIL DRAWING ST-G30GEN-1, BOLLARD DETAIL.
 - 2.5. 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.
2. CONTACT ES-UI SYSTEM ENGINEER FOR FINAL ACCEPTANCE OF TIE-IN.

KEYED NOTES:

1. SUBCONTRACTOR TO RUN NEW SERVICE LINE TO WITHIN 5 FEET OF EXISTING MAIN. MSS-UI TO MAKE FINAL CONNECTION.
2. MINIMUM BELL HOLE AT BOTTOM OF TRENCH: 24" FROM CENTERLINE OF NEW PIPE ON EACH SIDE; 18" FROM EDGE ON BACK SIDE; 8'-0" IN FRONT OF MAIN (LENGTH OF BELL HOLE); 18" UNDER MAIN. TAPER 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, AND EXCAVATION OF 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 MAIN. PREFERABLY IN UNPAVED AREA.

DRAWING DEVELOPED FOR ML-3/ML-4 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE)

	6	REVISED TO NEW DIGITAL SIGNATURE FORMAT REVISED KEYED NOTE 1 & CALLOUT BY VVA.	07/12/2024
LBO-DESIGN PACKAGE REVIEWER	N/A	5	GENERAL REVISION BY MT. 07/21/2020
APPROVED FOR RELEASE		4	ADMIN. CHANGES TO NEW CAD STD R#5 MINOR DESIGN CHANGES & INCORPORATED NOTES FROM SHEET 3/3 BY MS. 09/01/2016
SUBMITTED		3	GENERAL REVISION BY MS. 01/28/2014
VERIFIED		2	EDITORIAL CHANGES & REVISED KEYED NOTE 4 BY JH. 08/14/2003
DESIGNED		1	GENERAL REVISION & DWG. NO. WAS ST6105 BY EH. 08/23/2002
DRAWN		0	INITIAL ISSUE BY E. HOTH 06/28/1999
CLASSIFICATION [UNCLASSIFIED]	NO		REVISION DESCRIPTION DATE

ENGINEERING SERVICES

CIVIL

**WATER PIPING TIE-IN DETAIL
4" TO 12" SERVICE LINE**

TA-XX

BLDG XXXX

SHEET **2**



PO Box 1663
Los Alamos, New Mexico 87545

2 OF **2**

PROJECT ID	DRAWING NO	REV
CHAPTER 3	ST-G3010-2.2	6

00% DESIGN REVIEW
NOT FOR CONSTRUCTION