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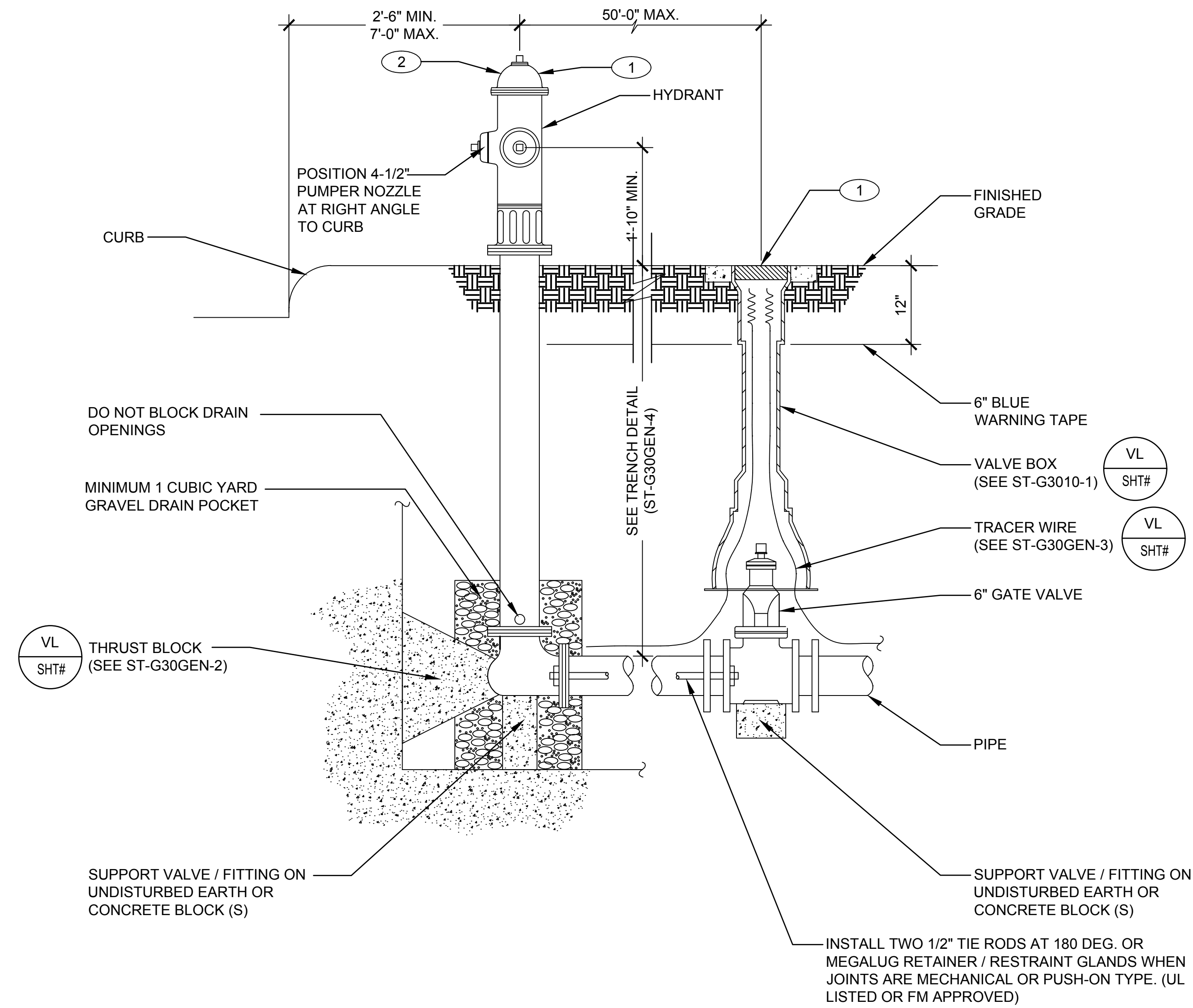
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GENERAL NOTES:

- 1. IF THIS SHEET IS NOT 24"x36" USE GRAPHIC SCALE ACCORDINGLY.

KEYED NOTES:

- 1 LANL MSS U&I WILL NUMBER (METAL STAMP) THE HYDRANT AND VALVE BOX LID.
- 2 PAINT HYDRANT BONNET BLACK AND ATTACH LABEL - CAUTION: NON-POTABLE WATER. DO NOT DRINK. (REQUIRED ONLY FOR HYDRANTS SERVED BY NON-POTABLE WATER ON DEDICATED FIRE LOOPS).



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)

VL SHT# **FIRE HYDRANT DETAIL**

1' 9" 6" 3" 0 1'

1"=1'-0"

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

- 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.
- REFER TO LANL MASTER STANDARDS FOR ADDITIONAL REQUIREMENTS:
 - ENGINEERING STANDARDS MANUAL, CIVIL CHAPTER.
 - MASTER SPECIFICATION 31 2000, EARTH MOVING.
 - MASTER SPECIFICATION 33 1000, WATER UTILITIES.
 - CIVIL DRAWING ST-G30GEN-1, BOLLARD DETAIL.
 - MECHANICAL DRAWING ST-D2020-1, SITE/BUILDING WATER COMPONENTS DIAGRAM.
- DO NOT SEPARATE THE FIRE HYDRANT FROM THE SHUT-OFF VALVE WITH A BARRIER (FENCE, ETC).
- FIRE HYDRANT SHALL BE LOCATED WITH A MINIMUM 5 FEET CLEAR AREA ON SIDES, I.E. LANDSCAPING, FENCE, ETC, AND PUMPER CONNECTION SIDE SHALL BE FREE OF ANY OBSTRUCTIONS.
- IF FIRE HYDRANTS ARE LOCATED WITHIN A POTENTIAL RELEASE SITE (PRS) CONSULT WITH THE LANL WATER QUALITY GROUP.
- IF REQUIRED TWO TO FIVE BOLLARDS WILL BE PLACED EQUALLY AROUND HYDRANT AT MINIMUM 3'-0 FROM HYDRANT. SEE CIVIL DRAWING ST-G30GEN-1, BOLLARD DETAIL FOR BOLLARD REQUIREMENTS.

NO	DATE	CLASS REV	DC	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP
4	09/01/2016	UNCLASS		ADMIN. CHANGES TO NEW FORMAT CAD STD REV#5. MINOR DESIGN CHANGES & INCORPORATED DESIGN NOTES FROM SHEET 2 OF 2	EJS	MS	MS	CJRR	TO
3	01/28/2014	U		GENERAL REVISION	KT	MS	JG	RT	TO
2	01/18/2006	U	DY	REVISED TITLE BLOCK DATA, AND ADTS-ENGINEERING LOGO	RP	EH	MS	EH	TO
1	08/23/2002	U		GENERAL REVISION & DWG. NO. WAS ST6110.	RP	EH	MS	EH	TO

ENGINEERING STANDARDS

CIVIL

FIRE HYDRANT GATE SHUT-OFF VALVE DETAIL

TA- XX BLDG XXXX

DRAWN: R.PEARSON
DESIGN: E.HOTH
CHECKED: M.SMITHOUR
DATE: 6-28-99

1 OF 1

Los Alamos NATIONAL LABORATORY P.O. Box 1663 Los Alamos, New Mexico 87545

D.C.: UNCLASSIFIED REVIEWER: LARRY BAYS DATE:
PROJECT ID: DRAWING NO: CHAPTER 3 ST-G3010-4 REV 4

00% REVIEW NOT FOR CONSTRUCTION