

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 MECHANICAL POC.
2. SIZE PRV PER MANUFACTURER'S INSTRUCTIONS.
3. REFER TO THE FOLLOWING LANL STANDARDS FOR ADDITIONAL REQUIREMENTS:
  - A. ENGINEERING STANDARDS MANUAL, MECHANICAL CHAPTER.
  - B. MASTER SPECIFICATION 22 1100, FACILITY WATER DISTRIBUTION.
  - C. MECH DRAWING ST-D2020-1, SITE/BUILDING WATER COMPONENT DIAGRAM.
4. SUGGESTED PRV SETTINGS:
  - A. BUILDING SERVICE; LEAD PRV NORMALLY SET AT APPROXIMATELY 55-60 PSIG WITH THE LAG PRV SET 3-5 PSIG LOWER.
  - B. MISCELLANEOUS (TRAILERS AND TRANSPORTABLES): NORMALLY SET AT 40 PSIG.
  - C. MAKE-UP WATER SYSTEMS (HEATING, COOLING, COOLING TOWERS, BOILERS, ETC.); NORMALLY SET AT 15-20 PSIG.
5. OTHER FILTERING DEVICES, (CENTRIFUGAL SEPARATORS, CARTRIDGE FILTERS, ETC.) MAY BE USED IN LIEU OF A STRAINER WHEN REQUIRED.

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

3	7-21-05	U	DY	REVISED ENG. DIV. LOGO.	RP	RF	JM	CD	TO
2	8-14-03	U		EDITORIAL CHANGES & DWG NO. WAS STW122.	RP	RF	JM	CD	TO
1	9-6-02	U		GENERAL REVISION.	RP	JR	GO	GO	TO
NO	DATE	CLASS REV	ADD	DESCRIPTION	OWN	DSGN	CHKD	SUB	APP

**ENGINEERING STANDARDS PROGRAM**

<b>ENGINEERING STANDARDS MANUAL</b>		DRAWN	R.PEARSON
		DESIGN	R.FROST
		CHECKED	G.GRENAL
WATER PRV PIPING DETAIL DESIGN NOTES		DATE	6-28-99
BLDG X		TA-X	
SUBMITTED	APPROVED FOR RELEASE		
DISCIPLINE POC: CHARLES DUPRE	STANDARDS MANAGER: TOBIN ORUCH		
		SHEET	3
		3	OF 3
 PO Box 1663 Los Alamos, New Mexico 87545			
CLASSIFICATION: U	REVIEWER: LARRY BAYS	DATE:	
PROJECT ID	DRAWING NO	REV	
<b>CHAPTER 6</b>		<b>ST-D2020-2</b>	<b>3</b>