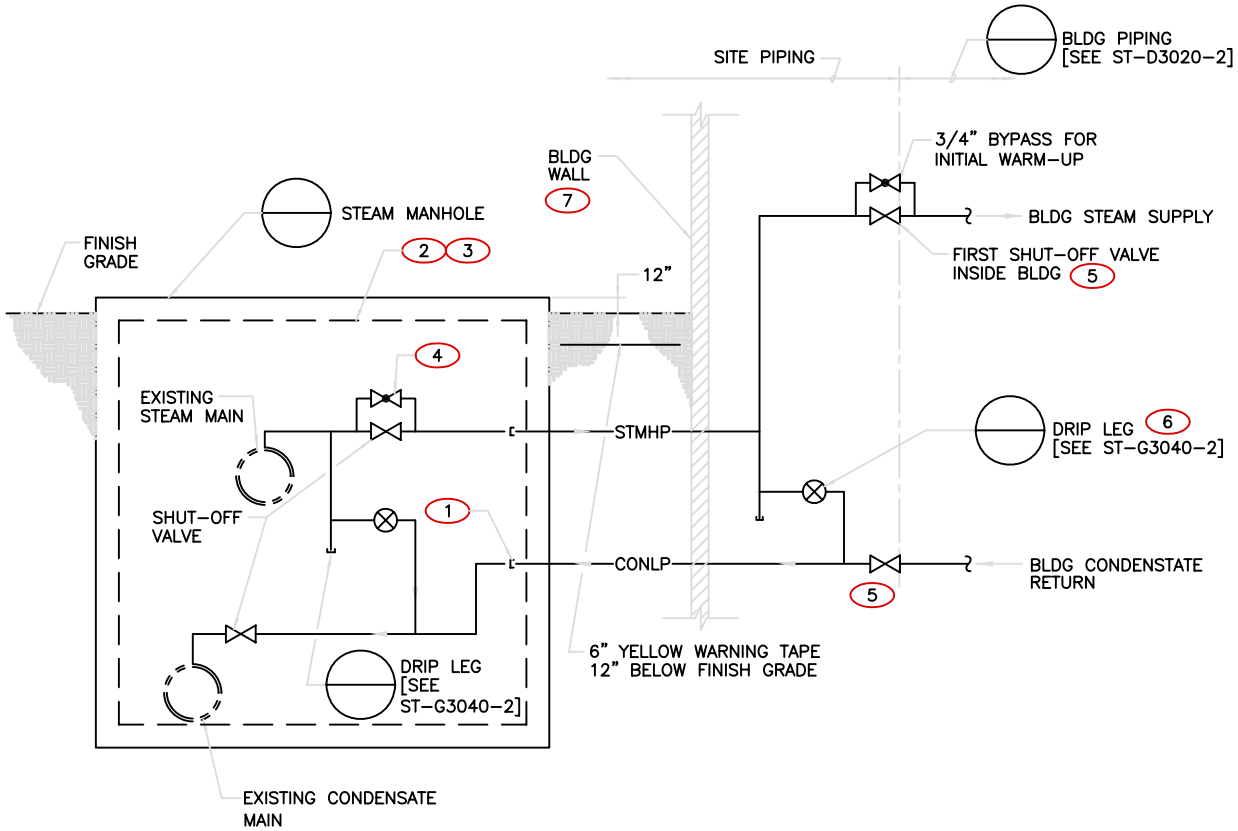

SITE STEAM/CONDENSATE TIE-IN DETAIL

SCALE: NONE

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

1. SEE SHEET 2.
2. PIPING SHOWN IN STEAM MANHOLE IS SCHEMATIC. FINAL CONSTRUCTION DRAWINGS SHALL SHOW PIPING AND VALVES DRAWN TO SCALE TO ENSURE ADEQUATE CLEARANCES AND MANHOLE SIZE.
3. DESIGN DISTRIBUTION SYSTEM UP TO AND INCLUDING FIRST PRV AND BYPASS VALVE WITHIN THE BUILDING FOR 150 PSIG WORKING STEAM PRESSURE (WSP) AND 500°F TEMPERATURE.
4. MINIMUM PIPE SIZE FOR STEAM AND CONDENSATE DISTRIBUTION PIPING SHALL BE 2".

KEYED NOTES:

1. CONTRACTOR SHALL TERMINATE AND CAP PIPING A MINIMUM OF 12" INSIDE STEAM MANHOLE OR PER MANUFACTURERS INSTRUCTIONS.
2. LANL SUPPORT SERVICES SUBCONTRACTOR (SSS) WILL ASSEMBLE PIPING, VALVES, ETC IN STEAM MANHOLE, AND TIE INTO EXISTING STEAM AND CONDENSATE MAINS (BY CUTTING A TEE SIZED TO MATCH NEW LINES) WITH ALL MATERIALS FURNISHED BY CONTRACTOR.
3. LANL CONSTRUCTION INSPECTOR WILL NOTIFY SSS 10 WORKING DAYS IN ADVANCE TO SCHEDULE TIE-IN AND INSTALLATION OF STEAM MANHOLE PIPING, VALVES, ETC. LANL CONSTRUCTION INSPECTOR TO ENSURE ALL MATERIAL ARE ON SITE.
4. 3/4" BY PASS [PROVIDE WHEN MAIN IS 4" AND LARGER] BYPASS VALVE TO BE ON SAME PLANE WITH SHUT-OFF VALVE.
5. LOCATE FIRST SHUT-OFF VALVE WITHIN 5 FEET OF BUILDINGS WALL PENETRATION.
6. PROVIDE DRIP LEG AT BOTTOM OF STEAM LINE AT ALL VERTICAL RISES OR CHANGES IN DIRECTION OF STEAM PIPING.
7. PIPING SHALL ENTER BUILDING IN A DESIGNATED MECHANICAL EQUIPMENT ROOM.

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).

NO	DATE	CLASS REV	ADC	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP
3	1-4-06	U	DY	ADDED KEYED NOTE 7 AND SHUT-OFF VALVE INSIDE BLDG.	RP	MS	MS	EH	TO
2	8-4-05	U	DY	ADDED KEYED NOTE 6 AND REVISED DIVISION LOGO.	RP	JG	MS	EH	TO
1	8-14-03	U		EDITORIAL CHANGES & REVISED KEYED NOTES 1 AND 3.	RP	JG	MS	EH	TO

ENGINEERING STANDARDS PROGRAM

ENGINEERING STANDARDS MANUAL

STEAM/CONDENSATE TIE-IN DETAIL

BLDG X TA-X

DRAWN	R.PEARSON
DESIGN	J.GONZALES
CHECKED	M.SMITHOUR
DATE	8-23-02

SUBMITTED — DISCIPLINE POC: GURINDER GREWAL

APPROVED FOR RELEASE — STANDARDS MANAGER: TOBIN ORUCH

Los Alamos NATIONAL LABORATORY PO Box 1663 Los Alamos, New Mexico 87545

SHEET 1 OF 2

CLASSIFICATION: U REVIEWER: LARRY BAYS DATE:

PROJECT ID CHAPTER 3 DRAWING NO ST-G3040-1 REV 3