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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 THE FOLLOWING LANL STANDARDS FOR ADDITIONAL REQUIREMENTS:
  - a. ENGINEERING STANDARDS MANUAL CIVIL CHAPTER.
  - b. MASTER SPECIFICATION 31 2000, EARTH MOVING, (INCLUDES TRACER WIRE AND TEST STATION SPECIFICATIONS).
  - c. MASTER SPECIFICATION 33 0513, MANHOLES AND STRUCTURES.
  - d. MASTER SPECIFICATION 33 3000, SANITARY SEWERAGE UTILITIES.
3. SIX FOOT DIAMETER MANHOLE SHALL BE USED UNLESS ALL OF THE FOLLOWING CONDITIONS ARE MET.
  - a. DEPTH OF MANHOLE IS 8'-0" OR LESS
  - b. INLET PIPE(S) IS ONE 6" DIAMETER PIPE OR LESS, OR IS TWO 4" DIAMETER PIPES.
  - c. NOT A DROP MANHOLE.

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).

2	8-21-06	U	DY	REVISED NOTE 2 & ADDED NOTE 3.	RP	EH	MS	EH	TO	
1	8-23-02	U	DY	ADDED SHEET 2.	RP	EH	MS	EH	TO	
NO	DATE	CLASS	REV	ADC	DESCRIPTION	OWN	DSGN	CHKD	SUB	APP

ENGINEERING STANDARDS PROGRAM

ENGINEERING STANDARDS MANUAL

SANITARY SEWER MANHOLE DETAIL  
DESIGN NOTES

BLDG X TA-X DATE 8-1-02

APPROVED FOR RELEASE  
STANDARDS MANAGER: TOBIN ORUCH

Los Alamos NATIONAL LABORATORY

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CLASSIFICATION: U REVIEWER: LARRY BAYS DATE: 2 OF 2

PROJECT ID: CHAPTER 3 DRAWING NO: ST-G3020-1 REV: 2