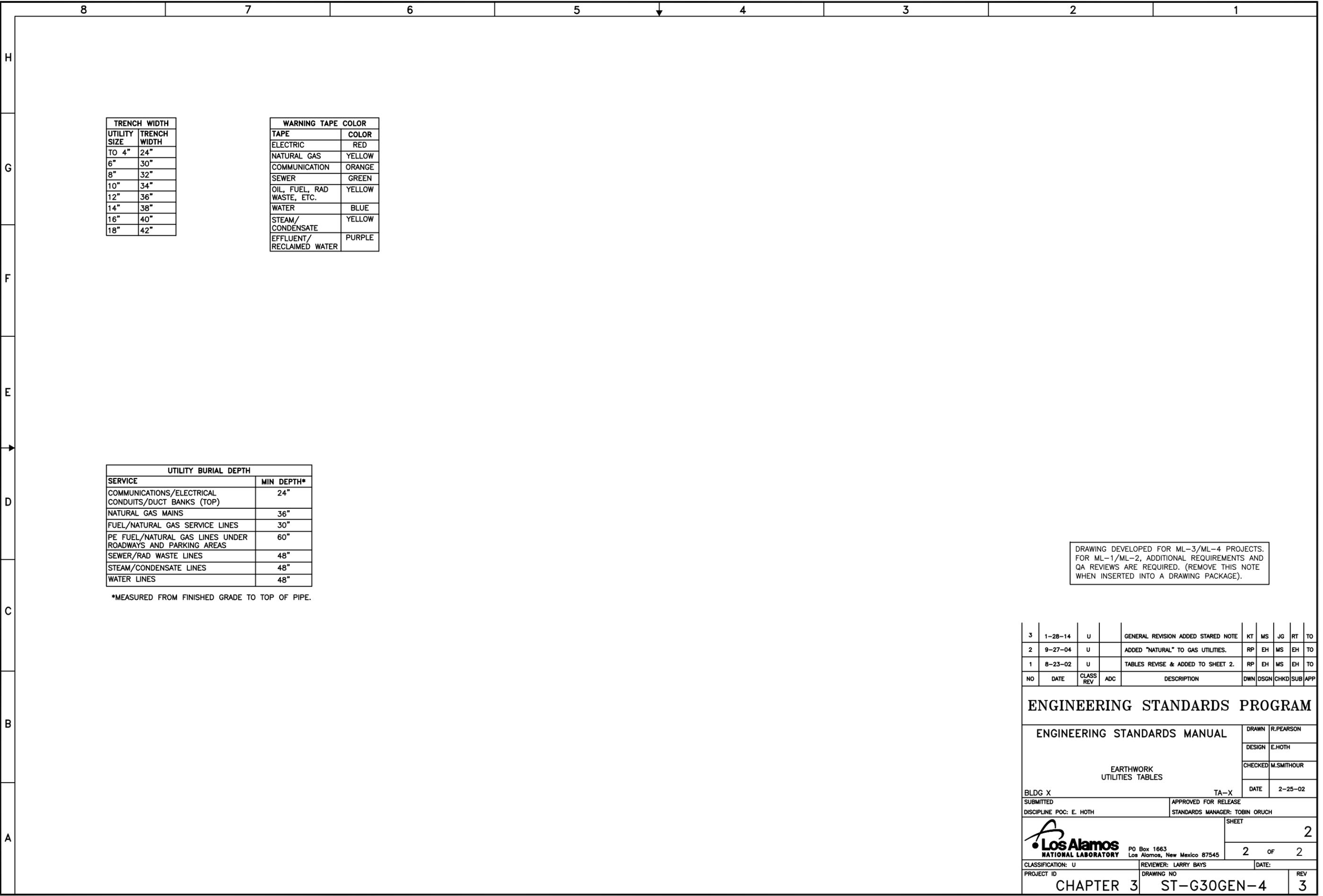


C:\LANL Eng Standards\Eng. Manual [LEM]\2. Approved\ST-G30GEN-4C22.dwg, 10/01/04 ● 09:28 093598



TRENCH WIDTH	
UTILITY SIZE	TRENCH WIDTH
TO 4"	24"
6"	30"
8"	32"
10"	34"
12"	36"
14"	38"
16"	40"
18"	42"

WARNING TAPE COLOR	
TAPE	COLOR
ELECTRIC	RED
NATURAL GAS	YELLOW
COMMUNICATION	ORANGE
SEWER	GREEN
OIL, FUEL, RAD WASTE, ETC.	YELLOW
WATER	BLUE
STEAM/CONDENSATE	YELLOW
EFFLUENT/RECLAIMED WATER	PURPLE

UTILITY BURIAL DEPTH	
SERVICE	MIN DEPTH*
COMMUNICATIONS/ELECTRICAL CONDUITS/DUCT BANKS (TOP)	24"
NATURAL GAS MAINS	36"
FUEL/NATURAL GAS SERVICE LINES	30"
PE FUEL/NATURAL GAS LINES UNDER ROADWAYS AND PARKING AREAS	60"
SEWER/RAD WASTE LINES	48"
STEAM/CONDENSATE LINES	48"
WATER LINES	48"

*MEASURED FROM FINISHED GRADE TO TOP OF PIPE.

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	1-28-14	U		GENERAL REVISION ADDED STARED NOTE	KT	MS	JG	RT	TO
2	9-27-04	U		ADDED "NATURAL" TO GAS UTILITIES.	RP	EH	MS	EH	TO
1	8-23-02	U		TABLES REVISE & ADDED TO SHEET 2.	RP	EH	MS	EH	TO

ENGINEERING STANDARDS PROGRAM

ENGINEERING STANDARDS MANUAL

EARTHWORK UTILITIES TABLES

BLDG X SUBMITTED TA-X DATE 2-25-02

DISCIPLINE POC: E. HOTH APPROVED FOR RELEASE STANDARDS MANAGER: TOBIN ORUCH

DRAWN R.PEARSON
DESIGN E.HOTH
CHECKED M.SMITHOUR

SHEET 2 OF 2

CLASSIFICATION: U PROJECT ID: CHAPTER 3
REVIEWER: LARRY BAYS DRAWING NO: ST-G30GEN-4
DATE: REV 3