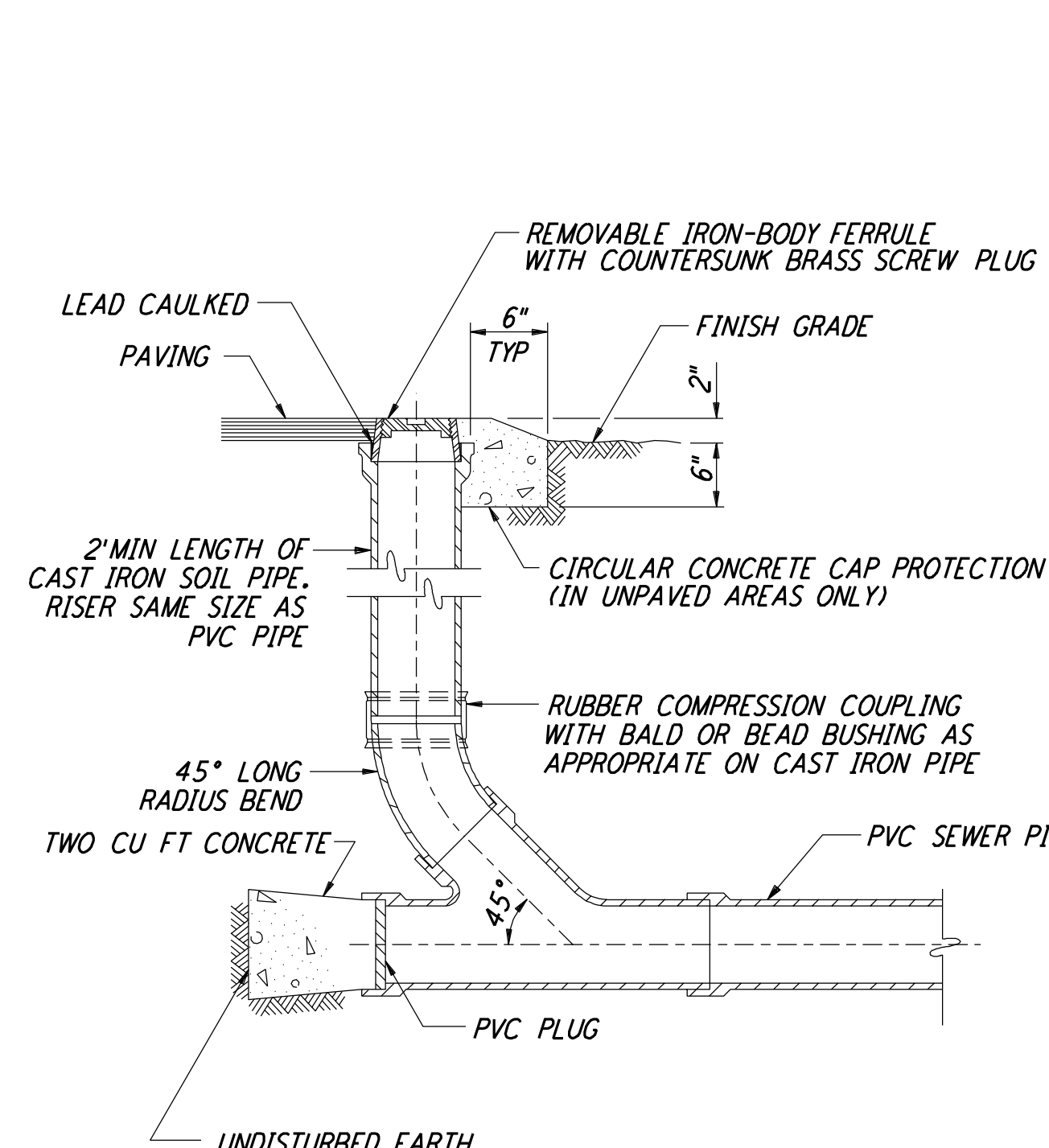
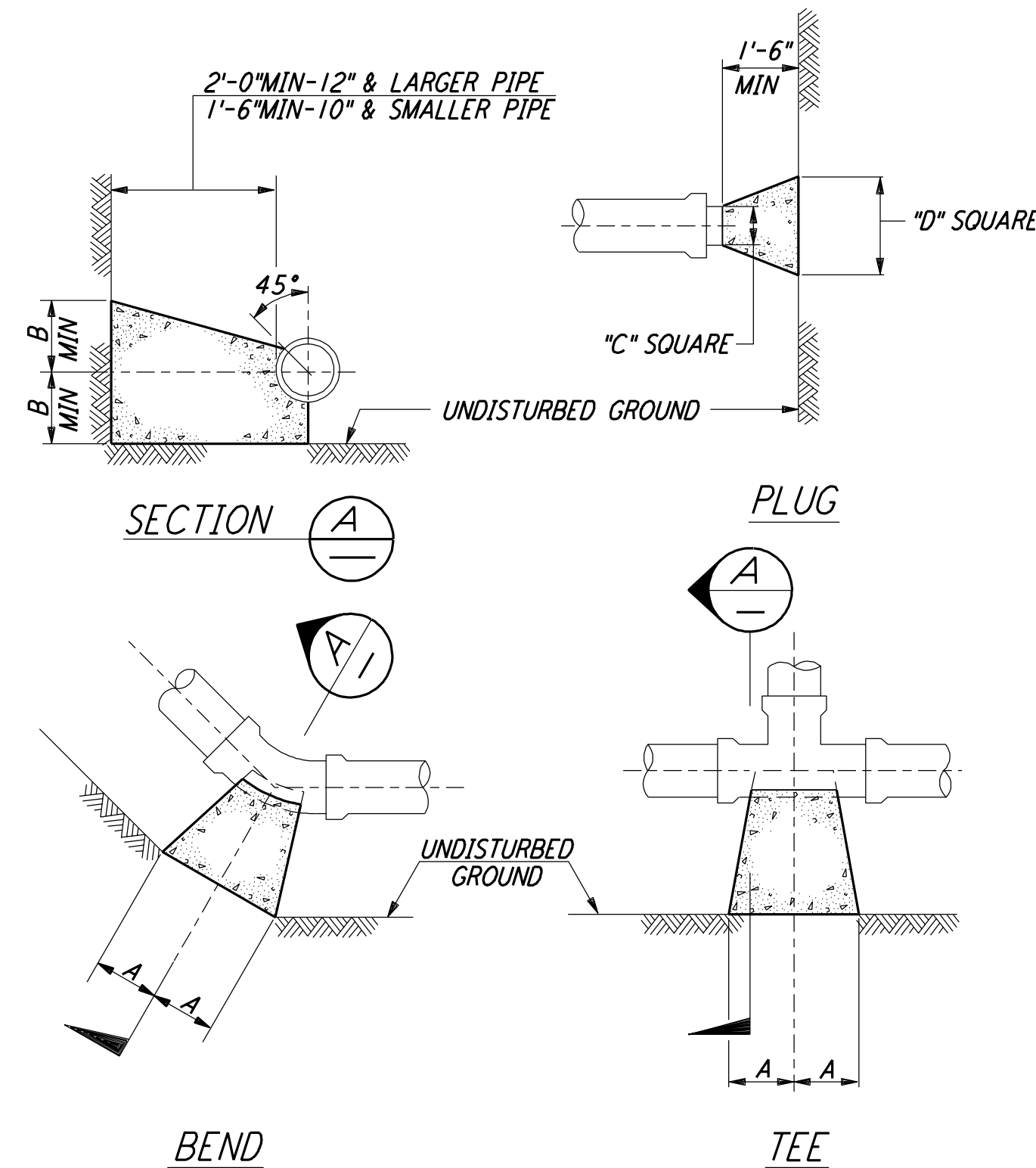


VALVE BOX (1) REF
 NOT TO SCALE LA-C-055 LA-C-009
 NOTE: VALVE SIZE 12" MAXIMUM LA-C-010



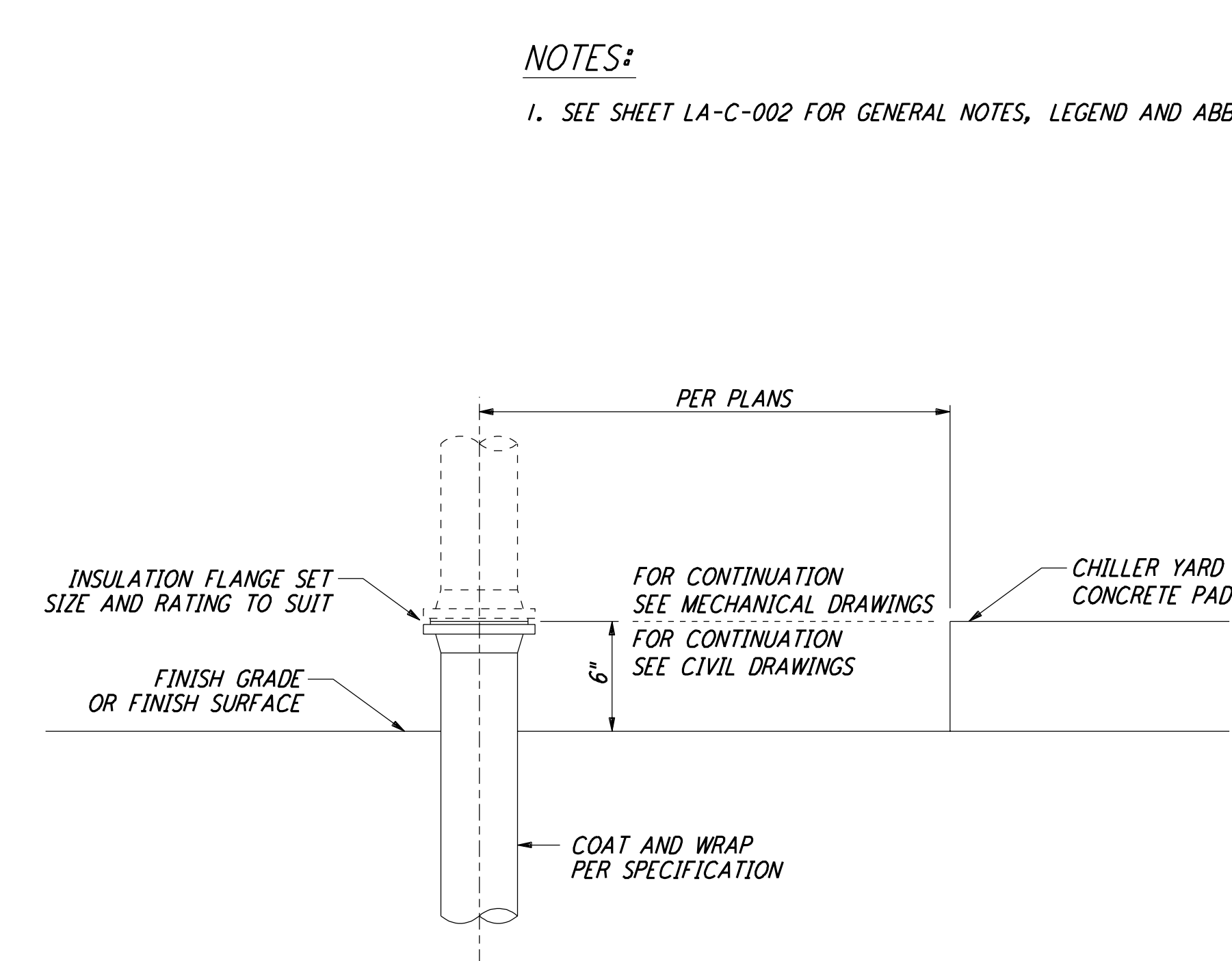
SANITARY SEWER CLEANOUT (2) REF
 NOT TO SCALE LA-C-055 LA-C-009
 LA-C-010



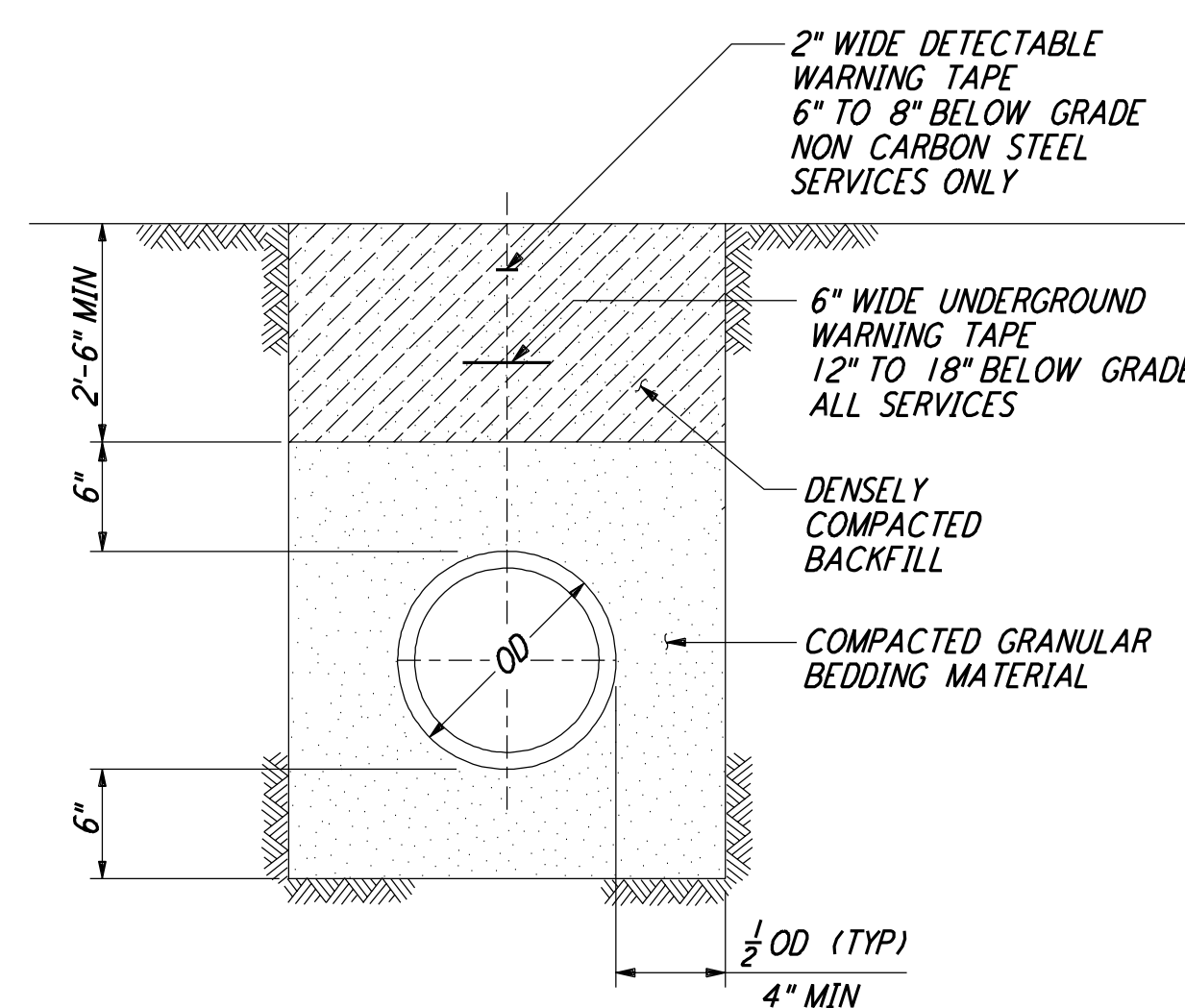
TYPE	SIZE	90° BEND		45° BEND		22½° BEND		TEE		PLUG	
		A	B	A	B	A	B	A	B	C	D
TYPE I 4000 PSF FILL	4"	6"	8"	4"	6"	3"	6"	6"	6"	8"	13"
	6"	8"	10"	6"	8"	3"	8"	8"	8"	10"	15"
	8"	12"	12"	8"	10"	5"	9"	9"	12"	12"	20"
	10"	16"	14"	10"	12"	6"	10"	11"	14"	14"	25"
	12"	19"	16"	12"	14"	8"	11"	14"	16"	16"	30"
TYPE II 2000 PSF FILL	4"	14"	8"	7"	8"	4"	6"	8"	10"	8"	19"
	6"	16"	10"	9"	10"	6"	8"	10"	12"	10"	21"
	8"	22"	13"	12"	13"	8"	10"	13"	16"	12"	26"
	10"	26"	17"	14"	17"	10"	13"	16"	20"	14"	36"
	12"	29"	21"	16"	21"	11"	16"	18"	24"	16"	41"
14"	35"	24"	19"	24"	12"	20"	22"	27"	18"	48"	

NOTES:
 1. BASED ON 150 PSI STATIC PRESSURE PLUS AWWA WATER HAMMER.
 2. ALL OTHER CONDITIONS MUST BE CALCULATED.

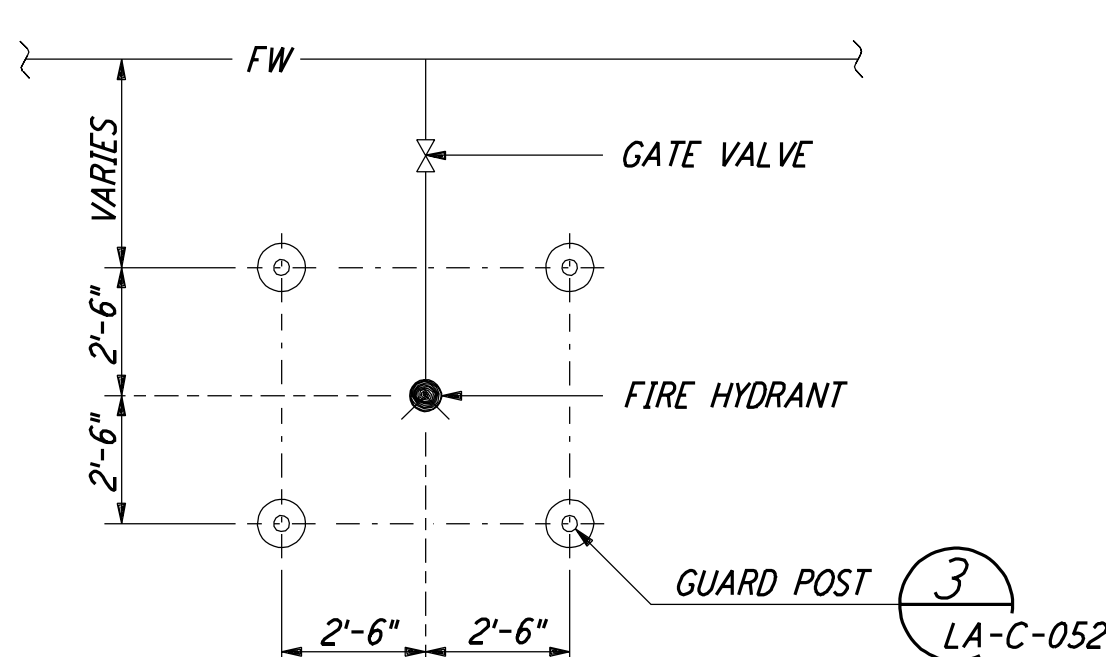
THRUST BLOCK (3) REF
 NOT TO SCALE LA-C-055 LA-C-009
 LA-C-010



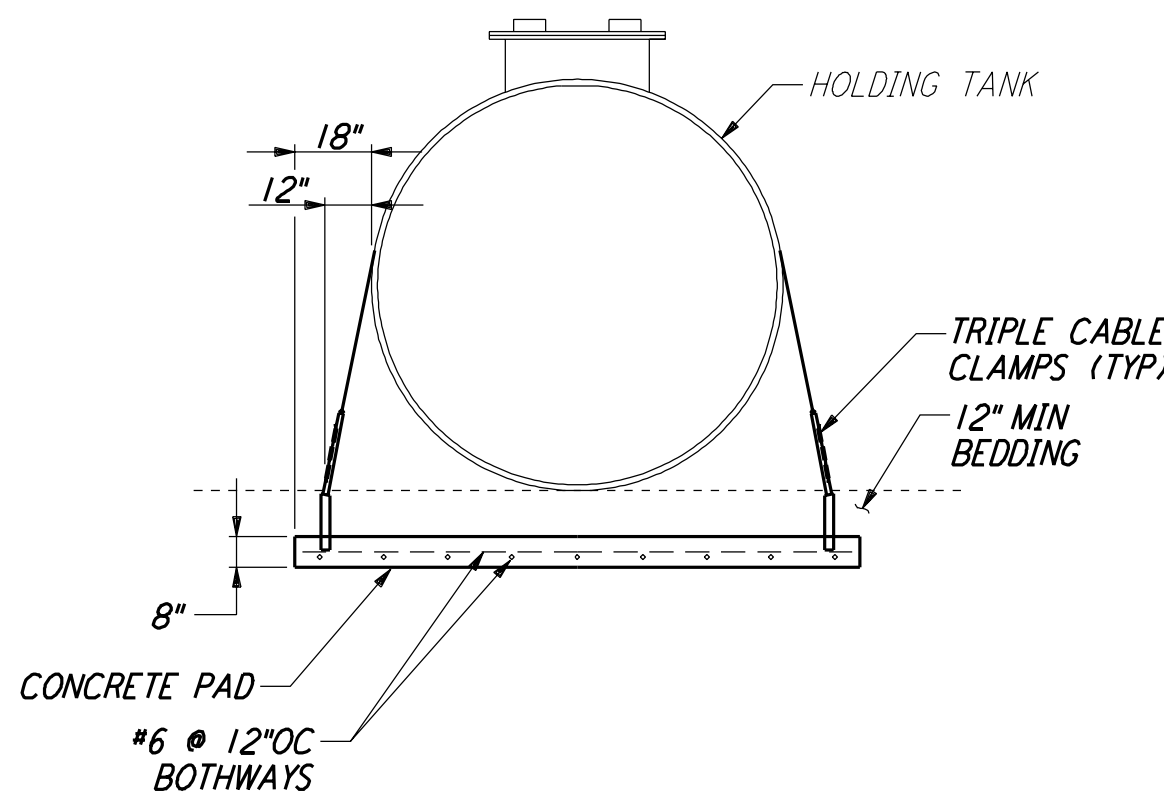
PIPE CONNECTION (4) REF
 (UNDERGROUND TO OVERHEAD) NOT TO SCALE LA-C-055 LA-C-009
 LA-C-010 LA-C-027
 LA-C-047



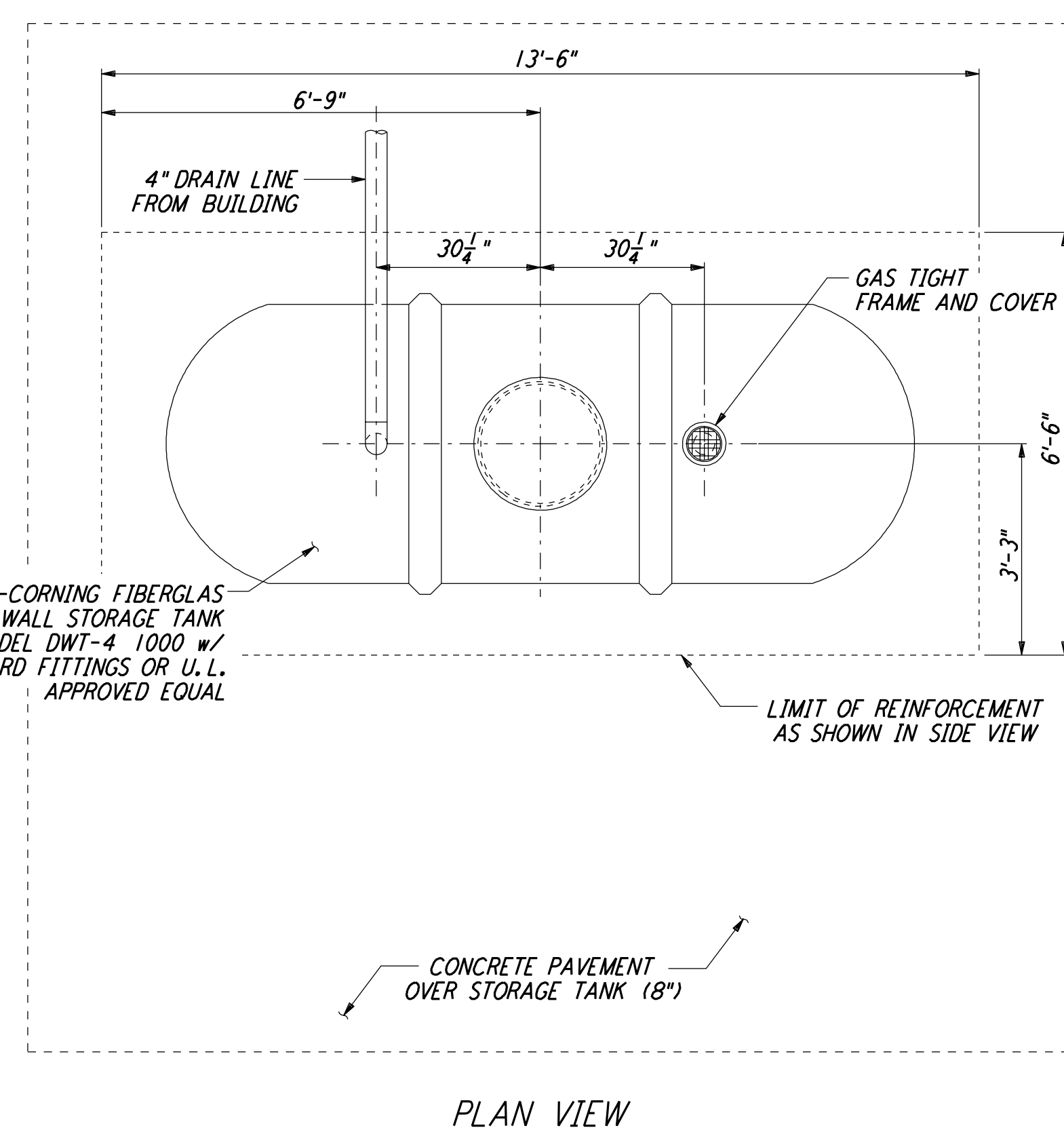
TRENCH BEDDING (5) REF
 NOT TO SCALE LA-C-055 LA-C-009
 LA-C-010 LA-C-027
 LA-C-047



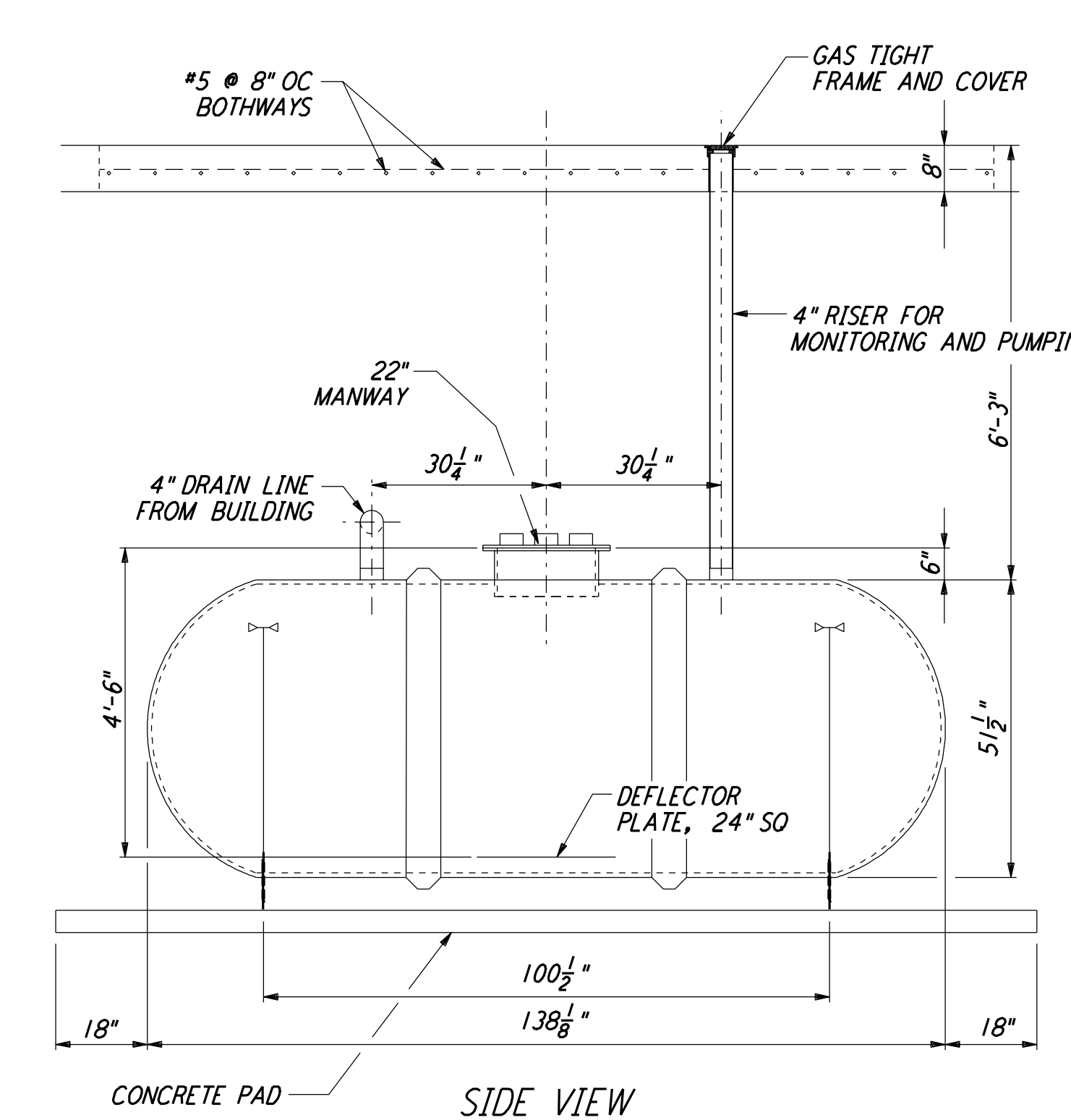
GUARD POST LOCATIONS (6) REF
 (FIRE HYDRANT) NOT TO SCALE LA-C-055 LA-C-009
 LA-C-010



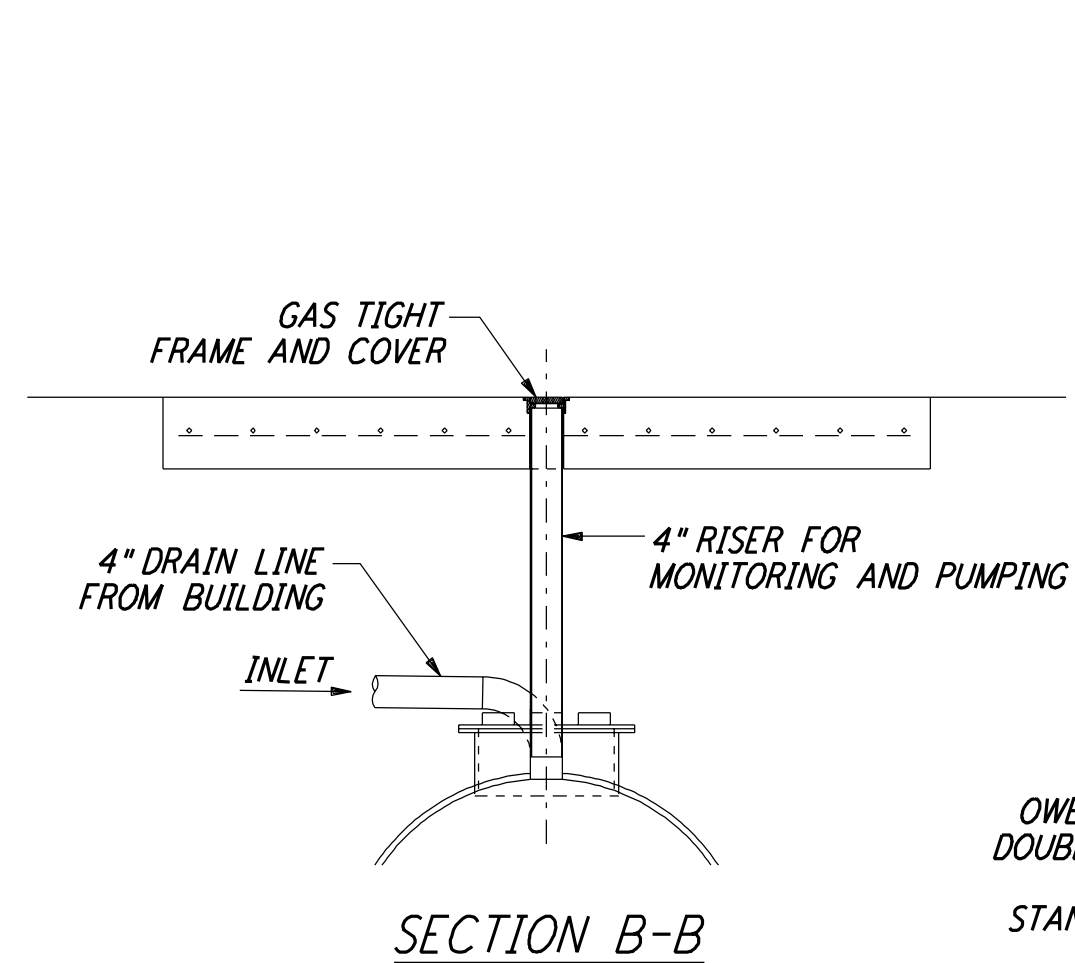
SIDE ELEVATION CONCRETE ANCHOR PAD FOR HOLDING TANKS - TYPICAL



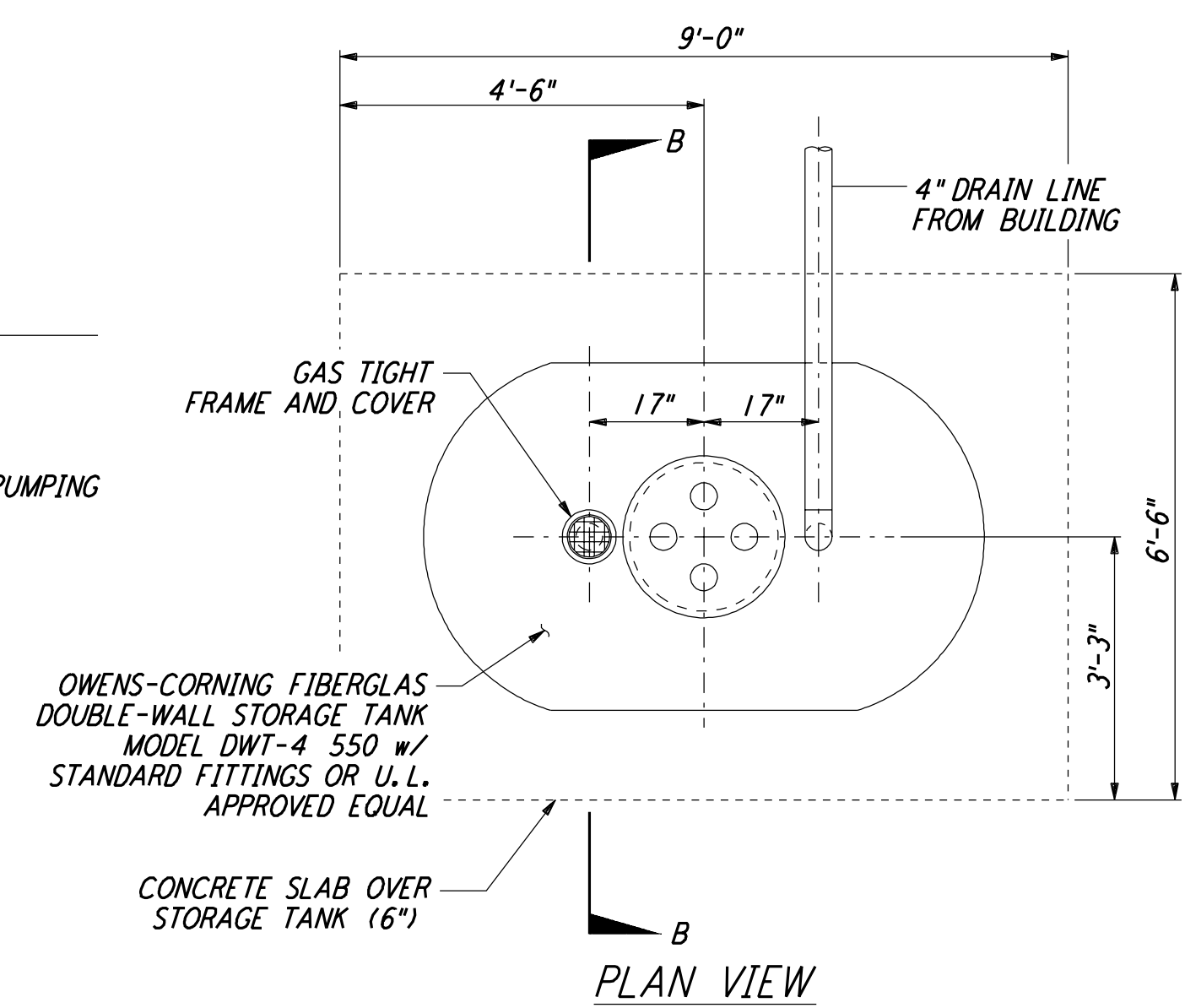
PLAN VIEW



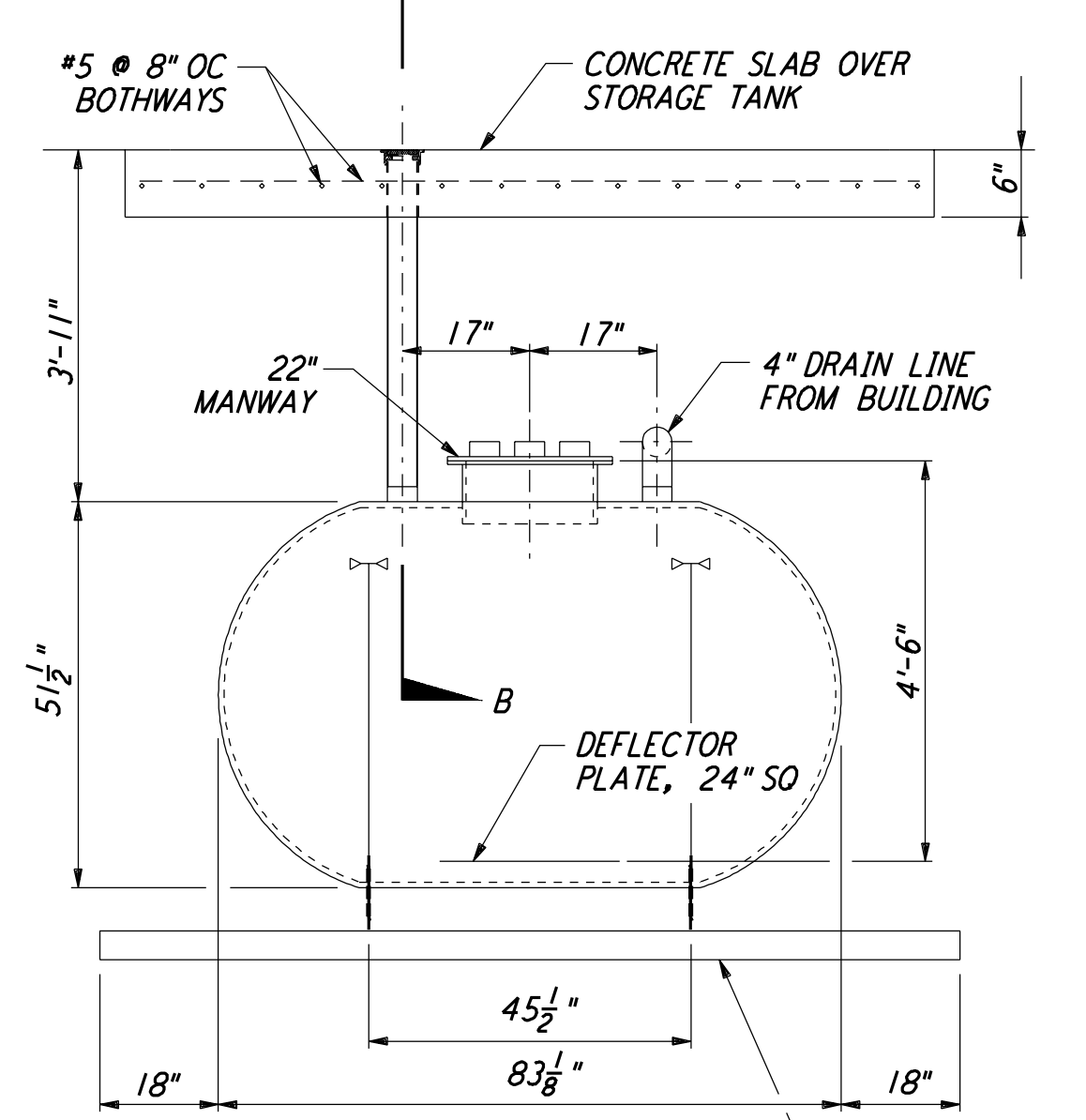
SIDE VIEW



SECTION B-B



PLAN VIEW



SIDE VIEW

DOUBLE-WALL HOLDING TANK 500 GALLONS (7) REF
 NOT TO SCALE LA-C-055 LA-C-027
 LA-C-047

DOUBLE-WALL HOLDING TANK 1000 GALLONS (8) REF
 NOT TO SCALE LA-C-055 LA-C-010

LIGO-D960864-01-0

LASER INTERFEROMETER
 GRAVITATIONAL-WAVE OBSERVATORY
 SITE NO. 2 - LIVINGSTON, LOUISIANA

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	08-07-98	WRB				ISSUED FOR AS-BUILT

ISSUED FOR CONSTRUCTION		
DRAWN	WRB	11-15-96
CHECKED	ML	11-15-96
ENGINEER	JB	11-15-96
PROJ	TDM	11-15-96

PARSONS
 100 WEST WALNUT STREET
 PASADENA, CALIFORNIA

LIGO
 CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

TITLE	SCALE	CONTRACT NUMBER	PROJECT NUMBER
CIVIL UTILITY DETAILS	AS NOTED	PP150969	8094
SHEET NUMBER		REVISIONS	
LA-C-055			

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