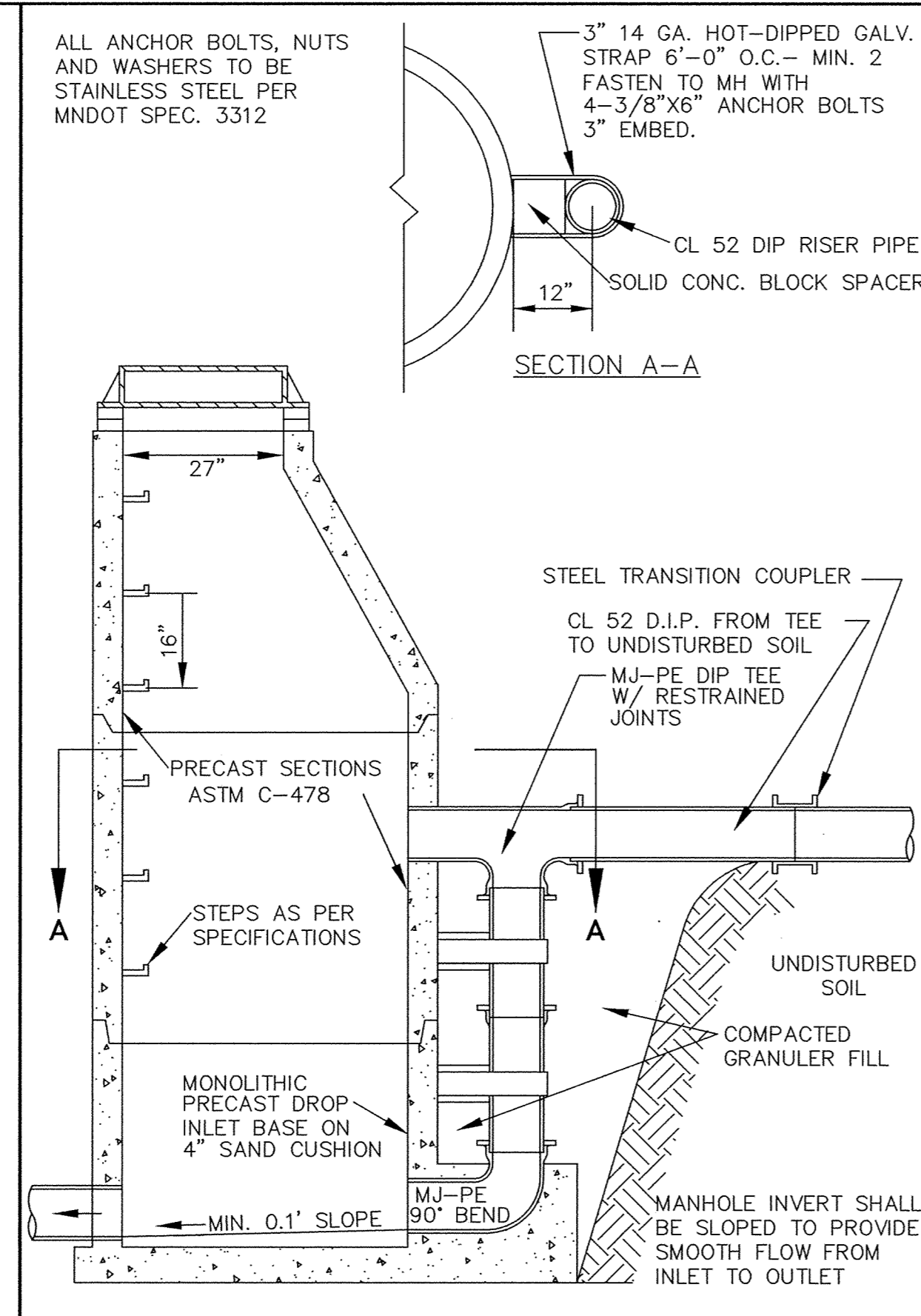
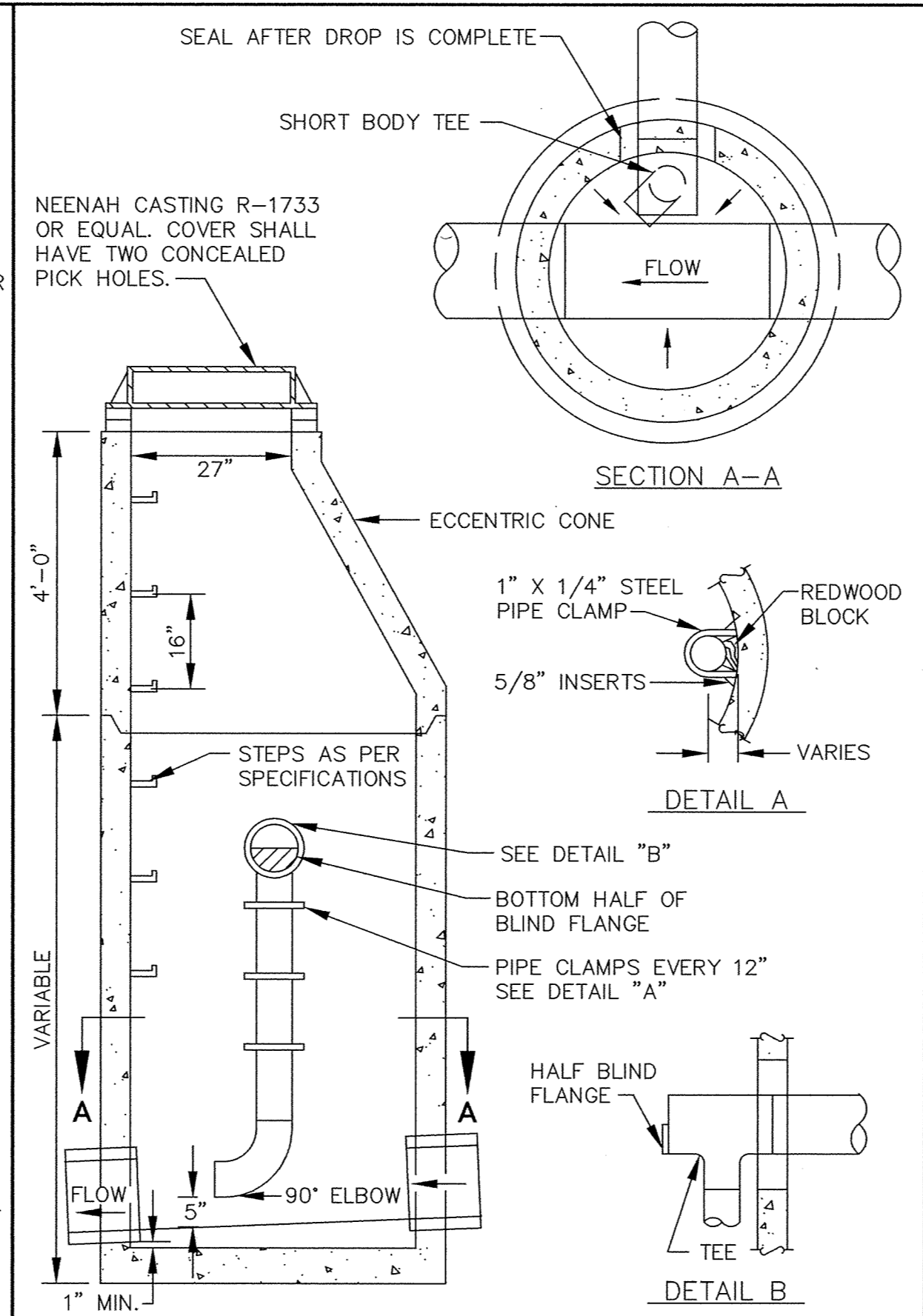


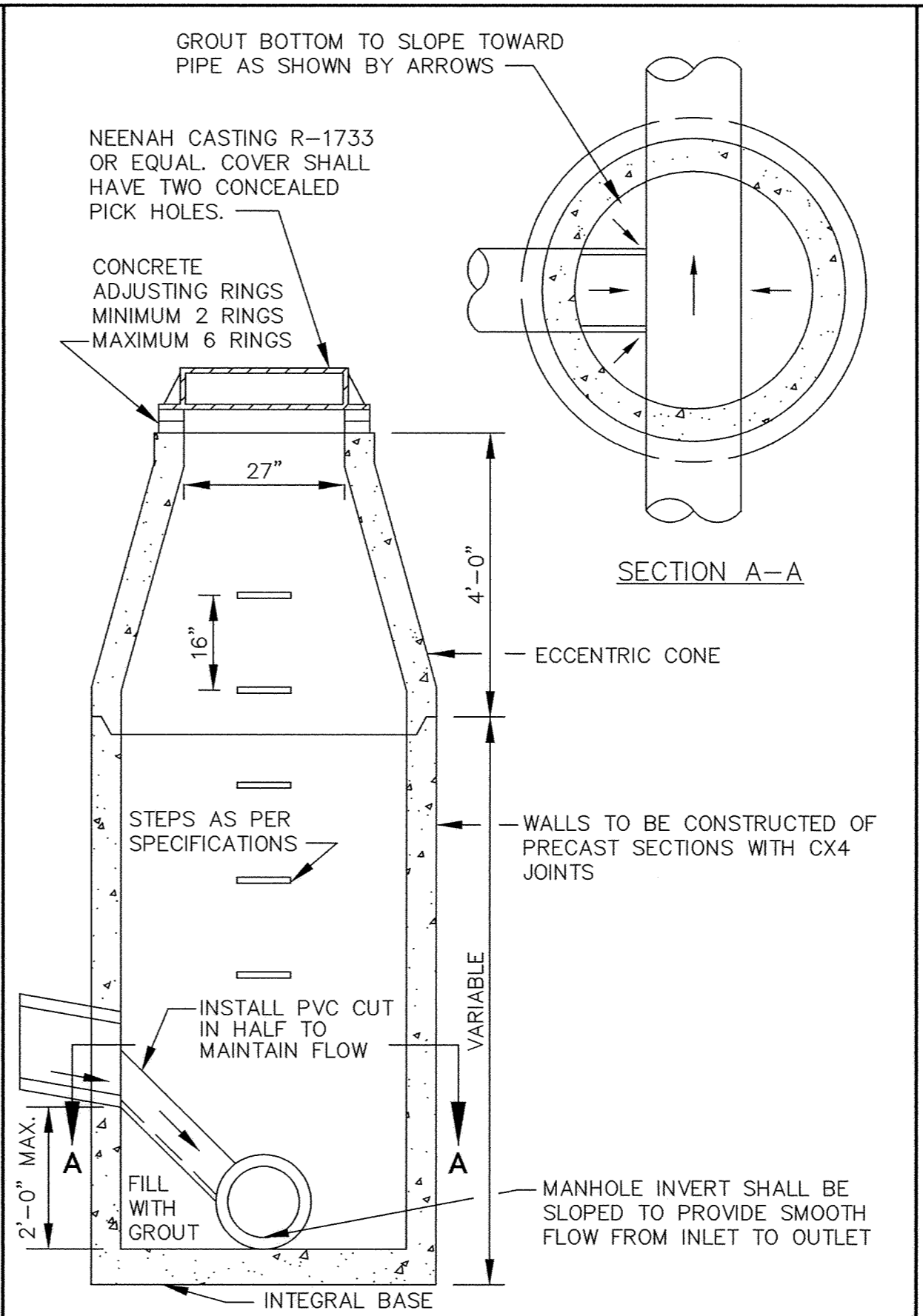
STANDARD AIR RELIEF MANHOLE



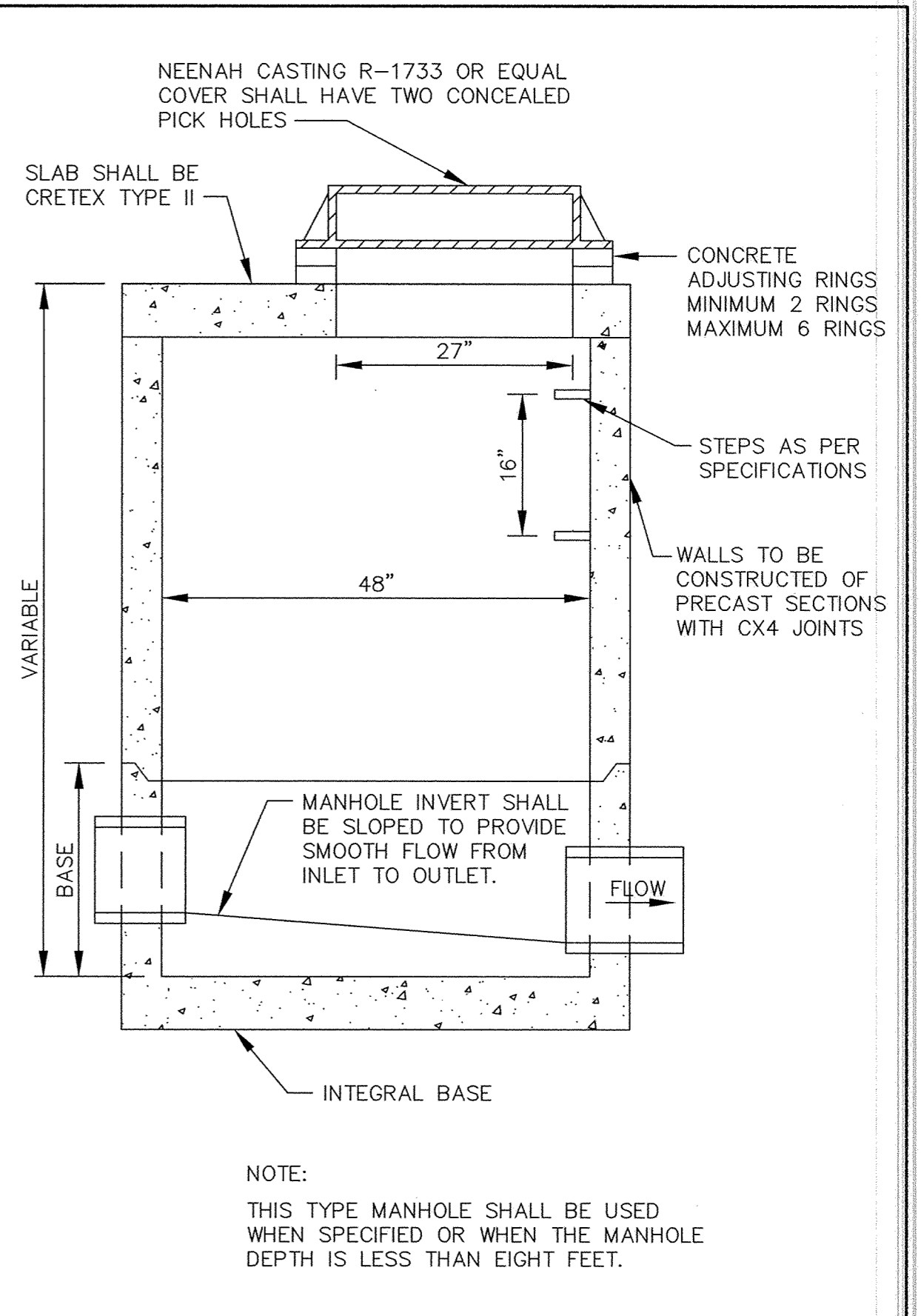
OUTSIDE DROP MANHOLE



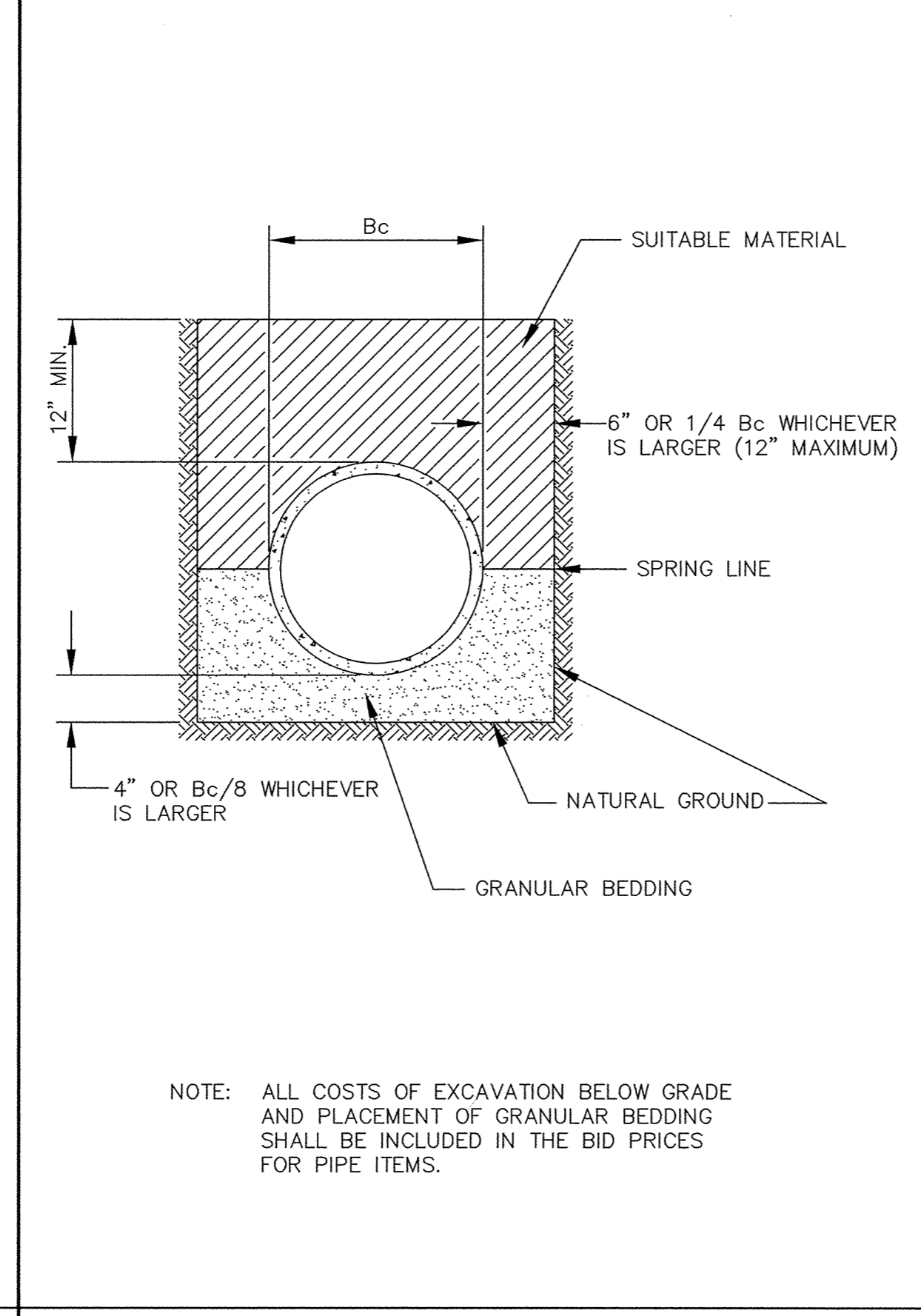
INSIDE DROP MANHOLE



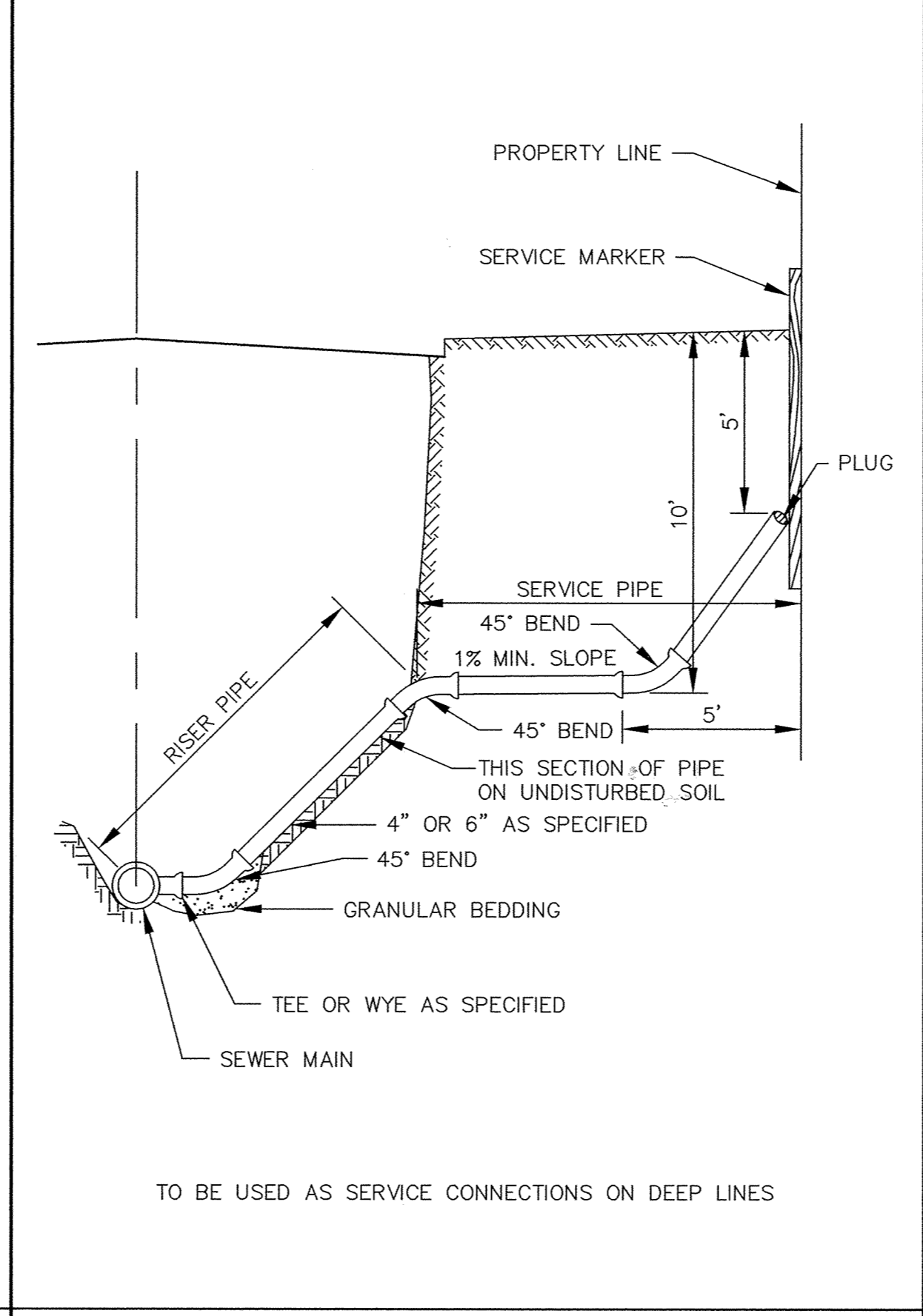
INSIDE DROP MANHOLE (TWO FEET OR LESS)



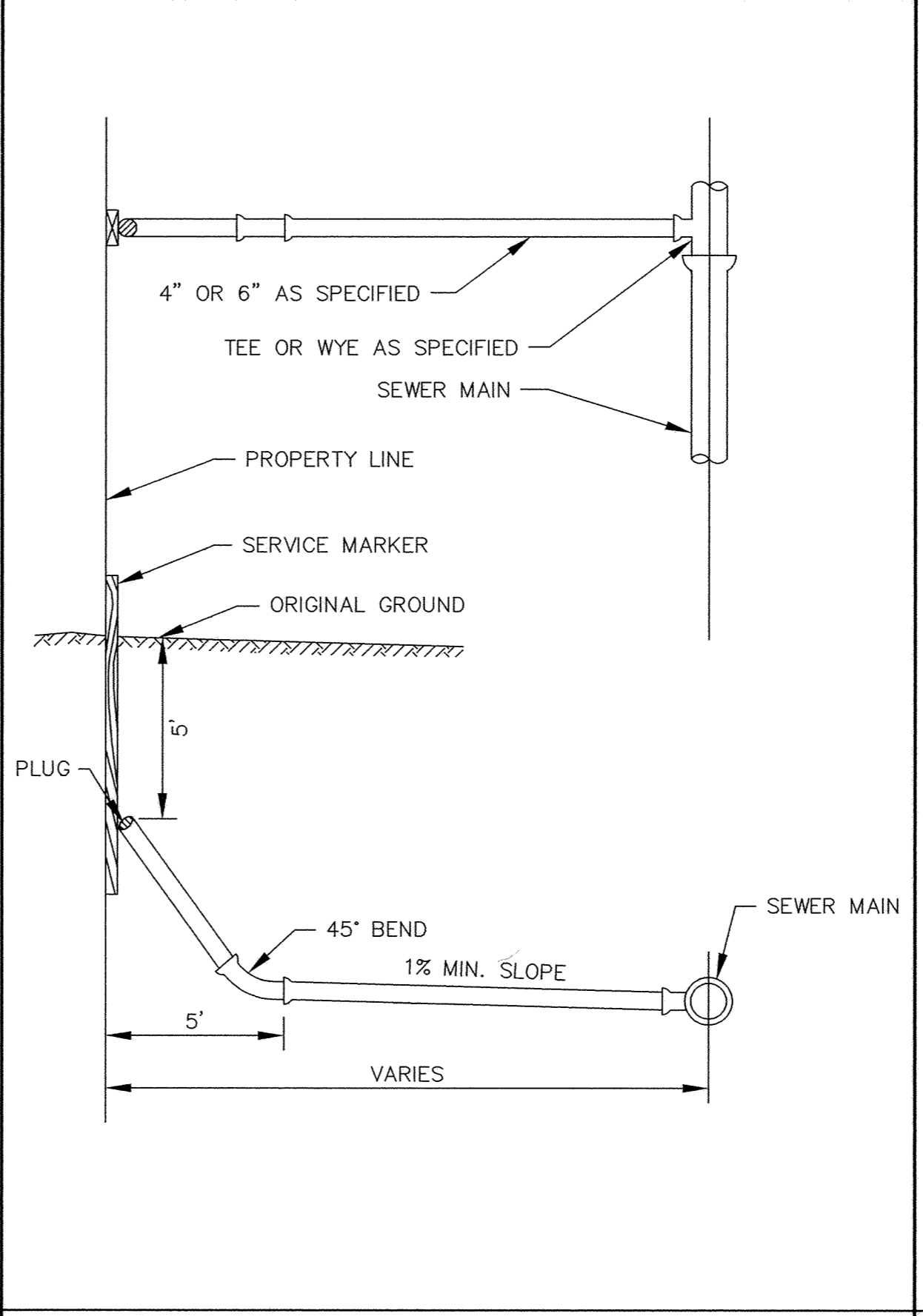
SLAB TOP MANHOLE



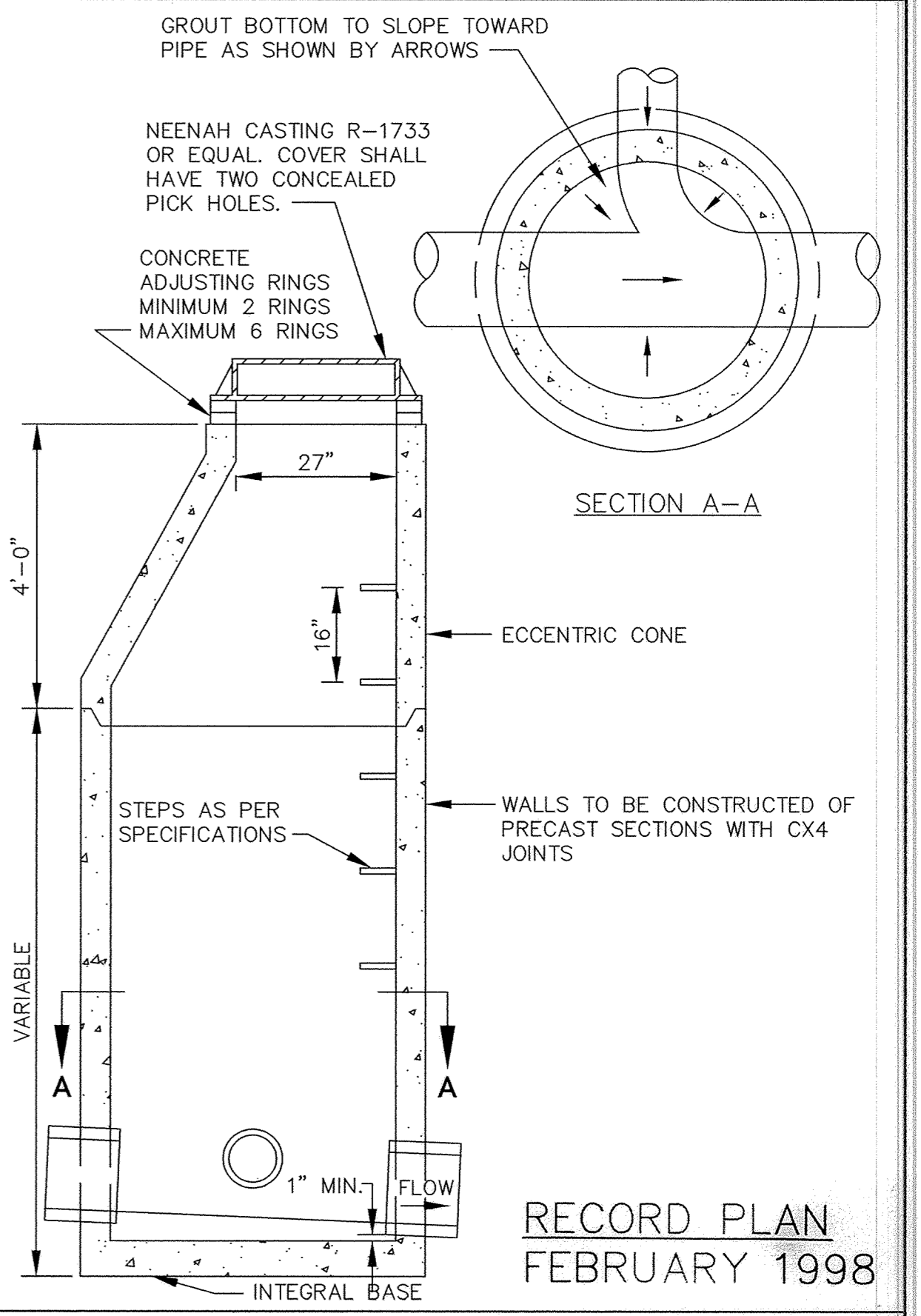
CLASS B PIPE BEDDING



SERVICE RISER SECTION



TYPICAL HOUSE SERVICE



STANDARD MANHOLE

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
Mark Larson
DATE 6/6/97 REG. NO. 19130



1326 ENERGY PARK DRIVE
ST. PAUL, MINNESOTA 55108
(612) 644-4389

REVISIONS	DATE	DESCRIPTION	DESIGNED	MG
			CHECKED	
			DRAWN	EY
			GRAPHIC SCALE	
			0	HORIZ.
			0	VERT.

CITY OF ELK RIVER
RIVERVIEW DRIVE/MACON STREET
SANITARY SEWER DETAILS
DATE JUNE 1997 SHEET 17 OF 20 SHEETS PROJECT NO. 230-365