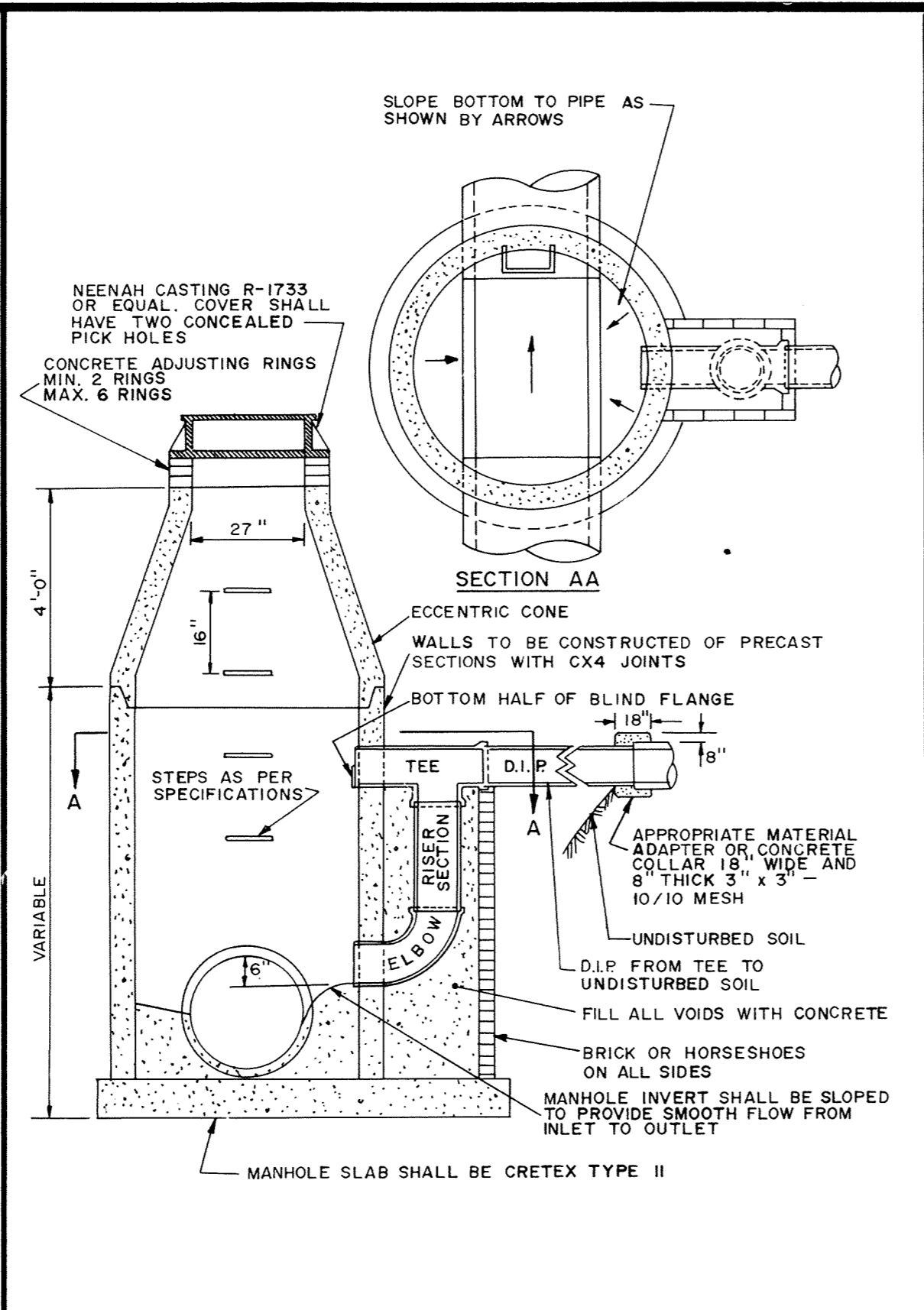
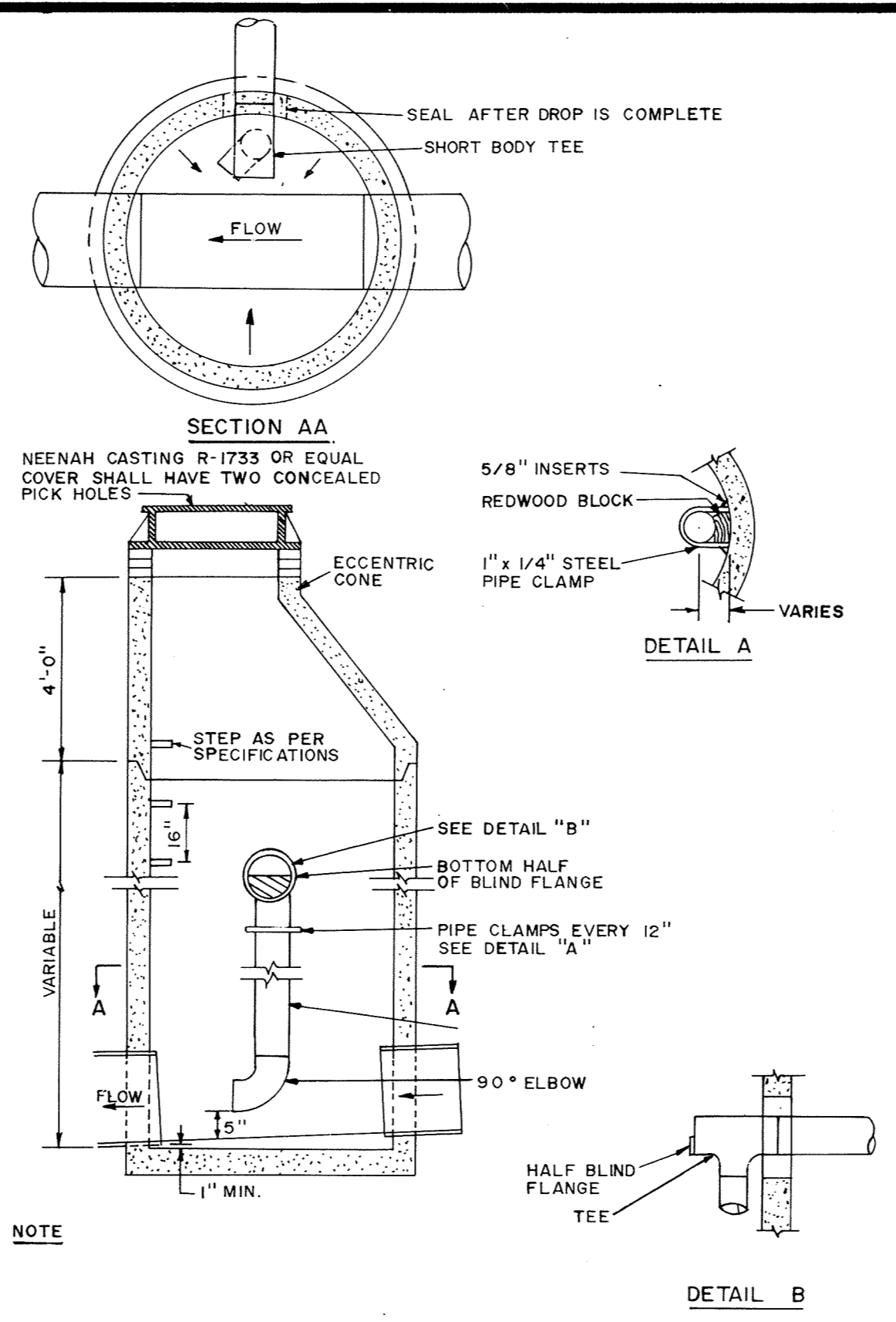


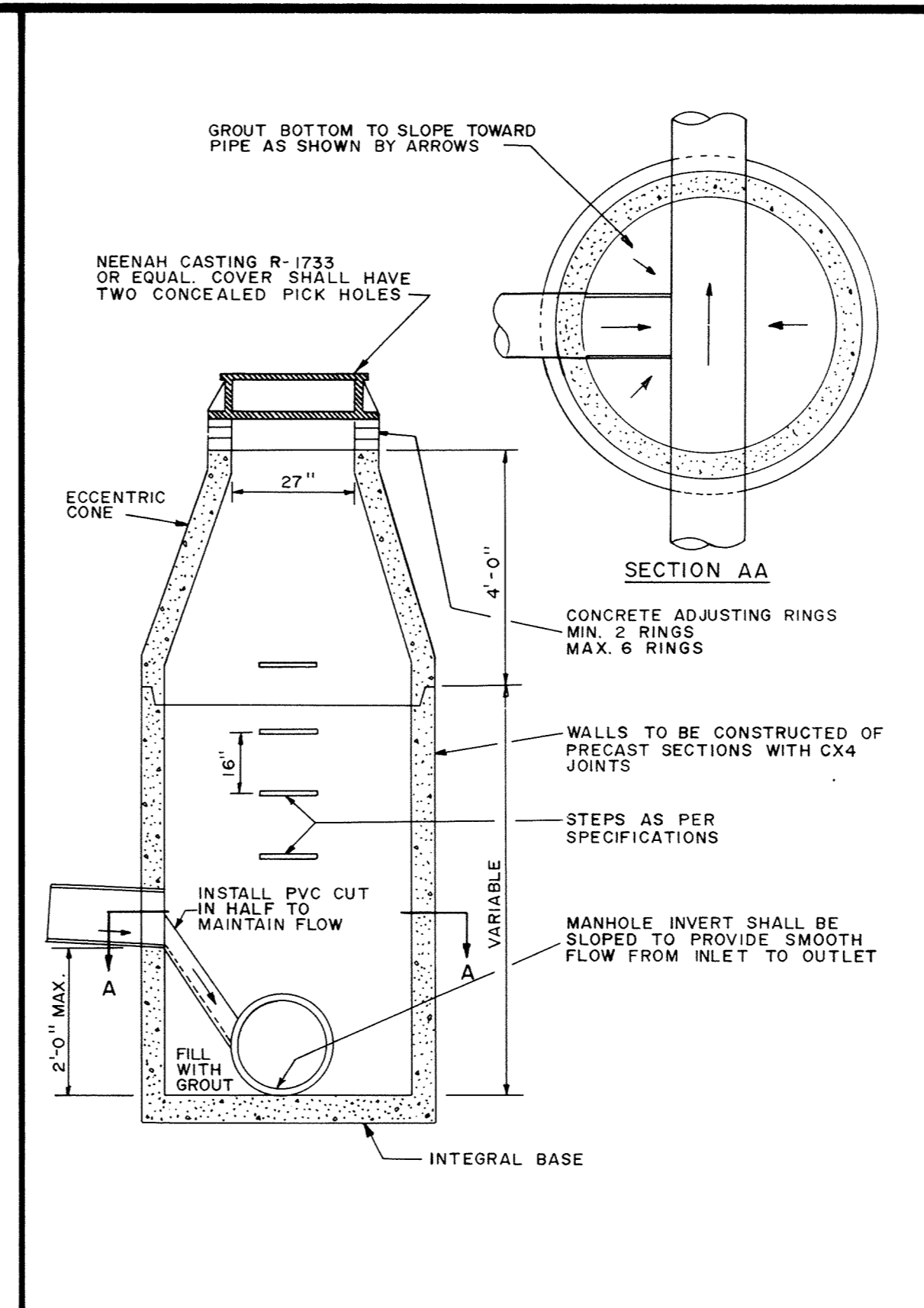
STANDARD AIR RELIEF MANHOLE



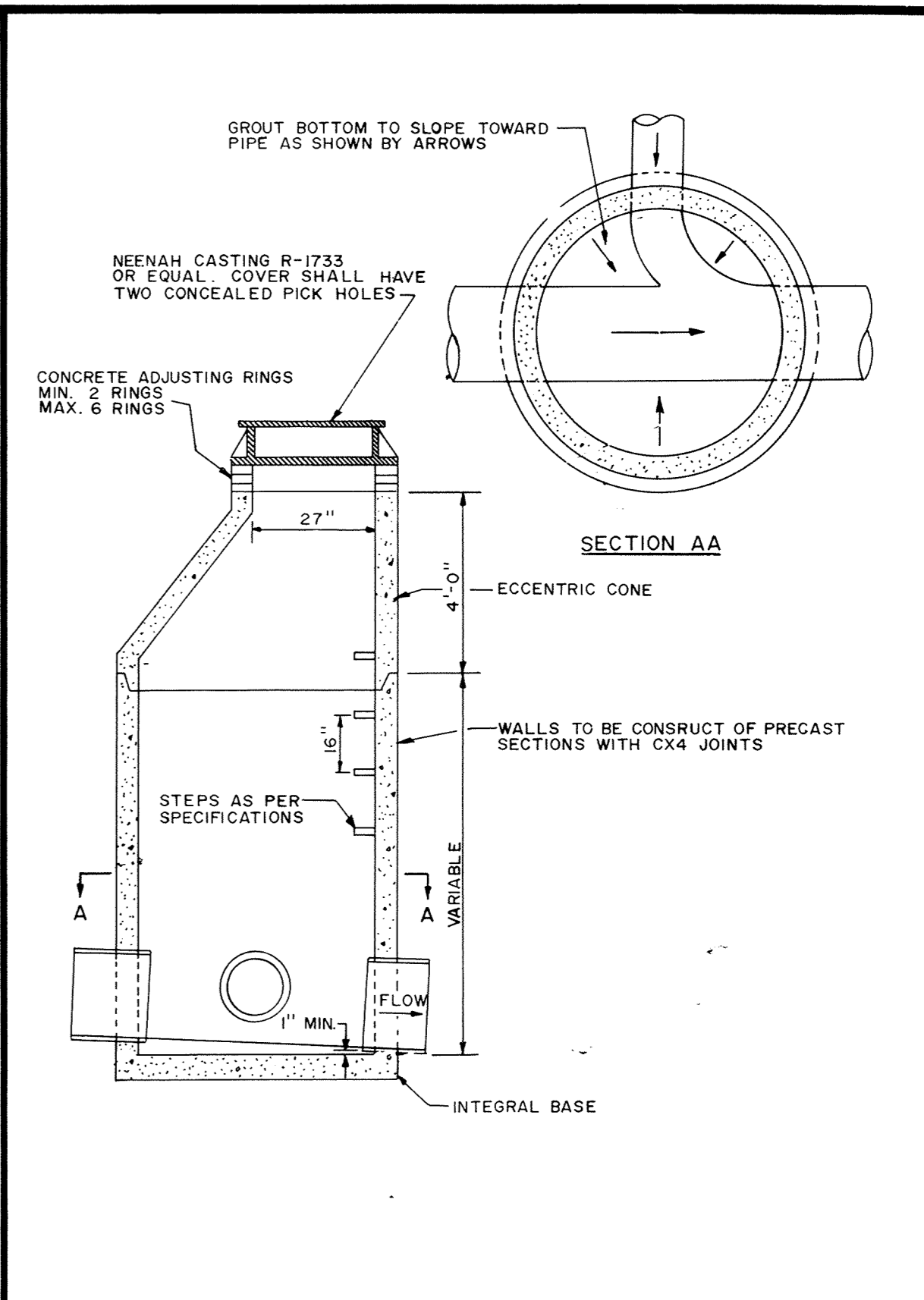
OUTSIDE DROP MANHOLE



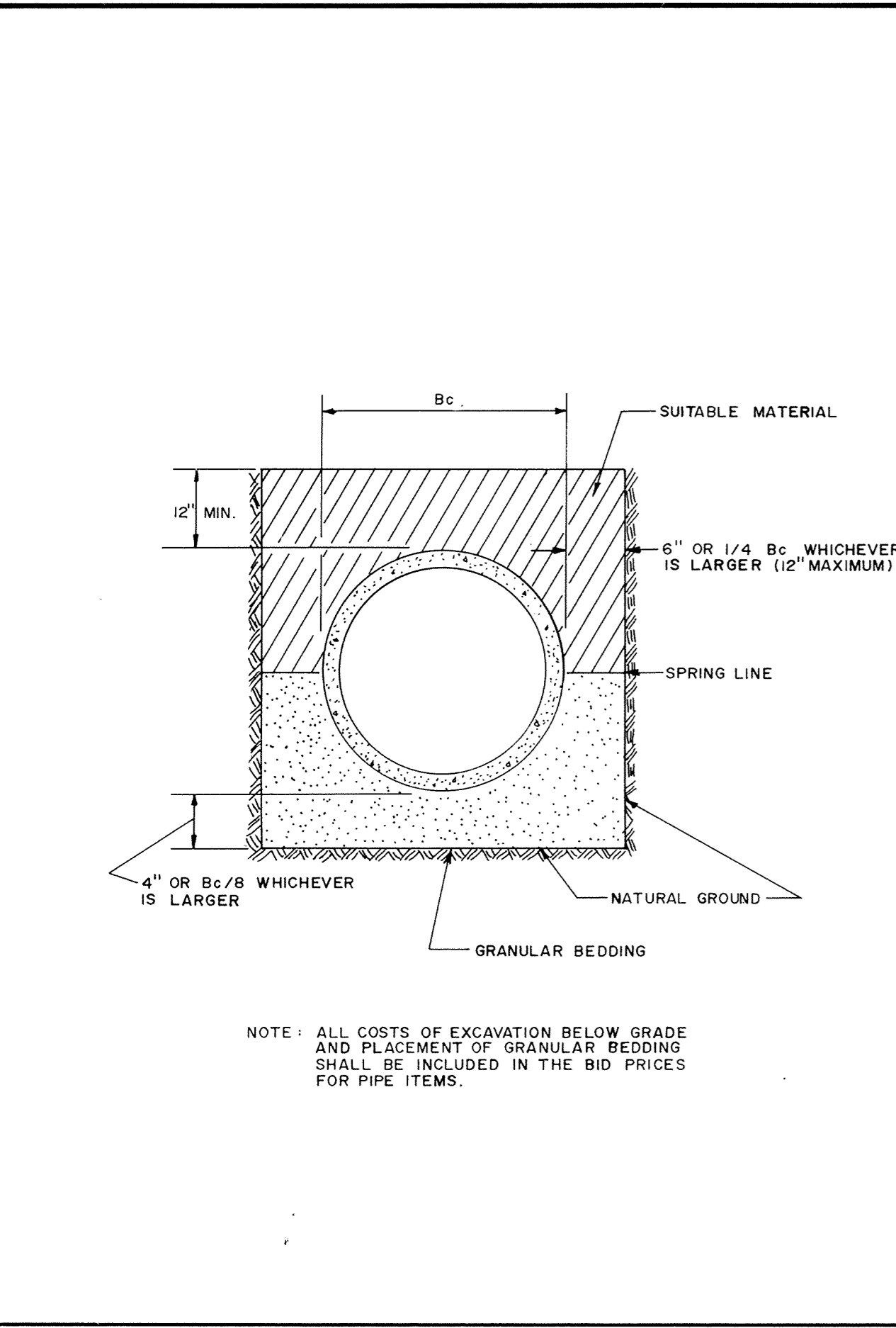
INSIDE DROP MANHOLE



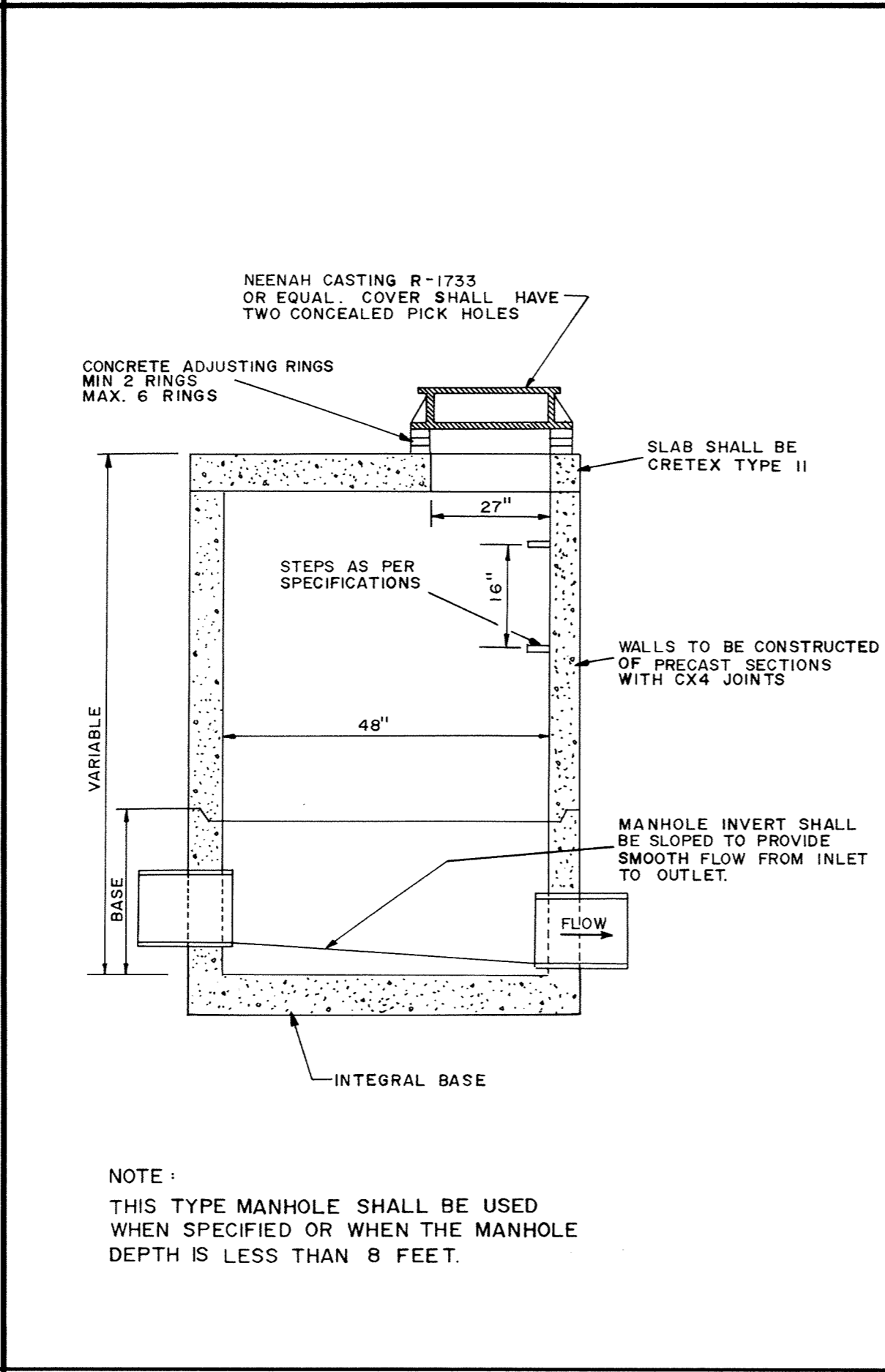
INSIDE DROP MANHOLE (2 FEET OR LESS)



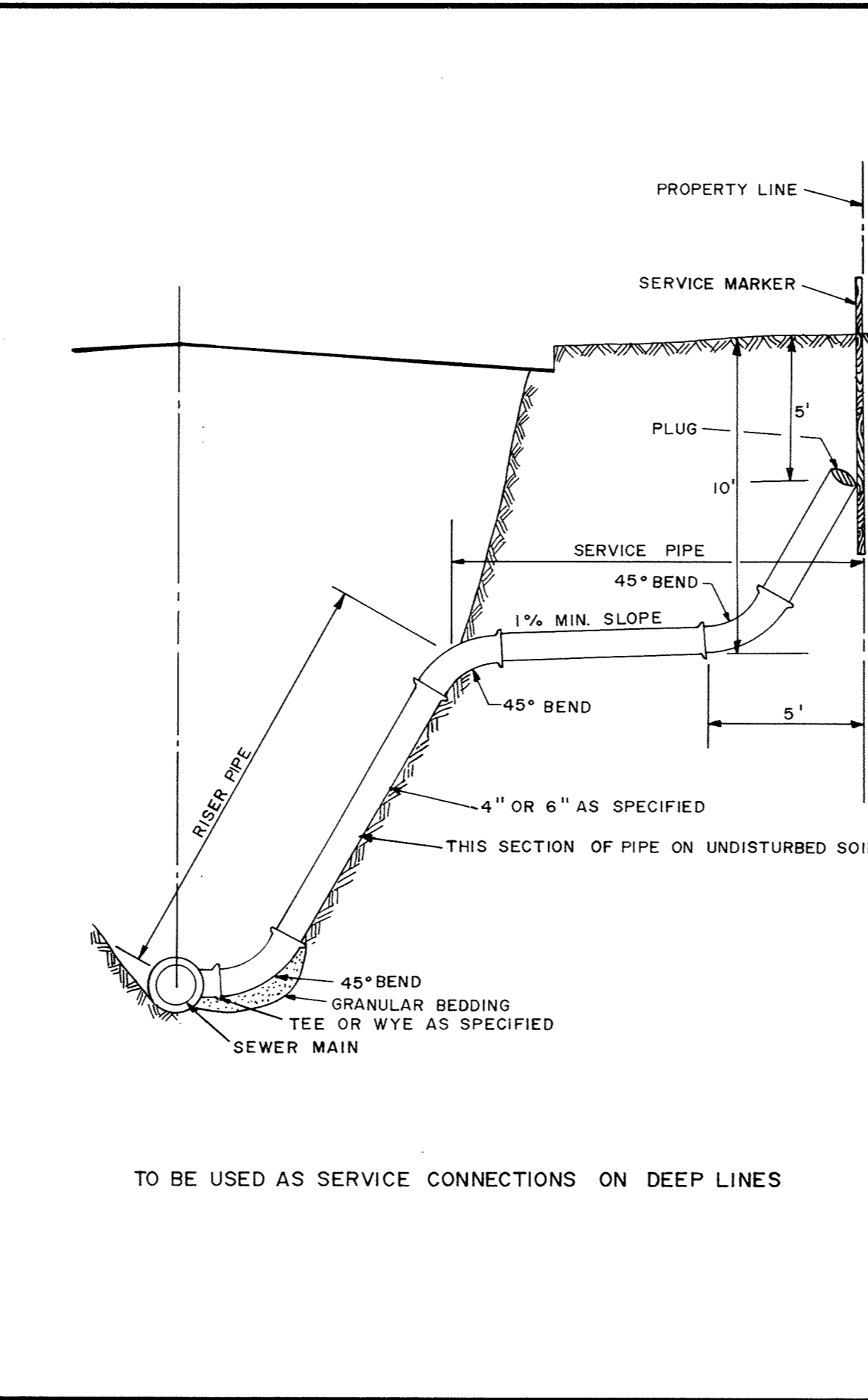
STANDARD MANHOLE



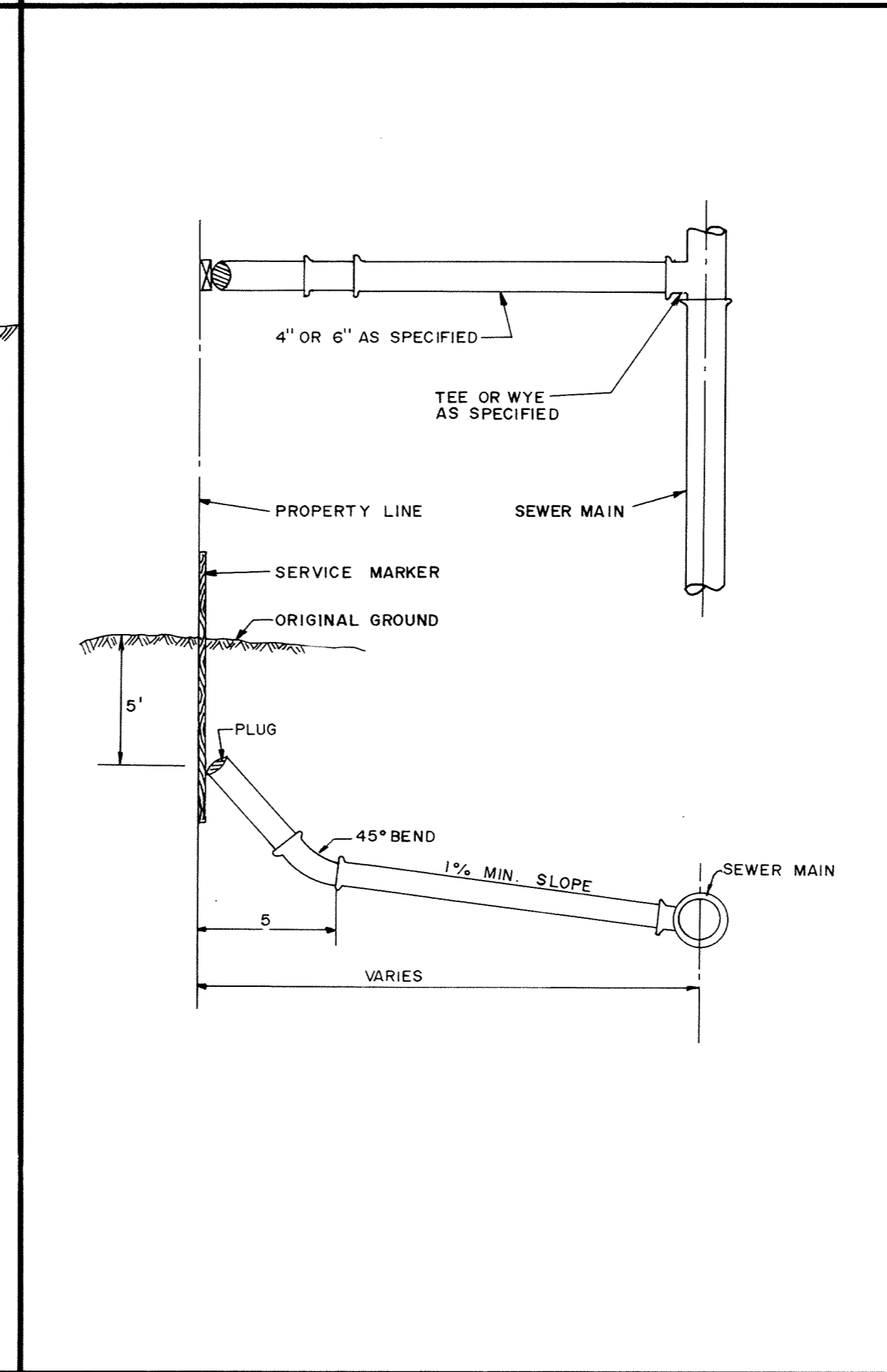
CLASS B PIPE BEDDING



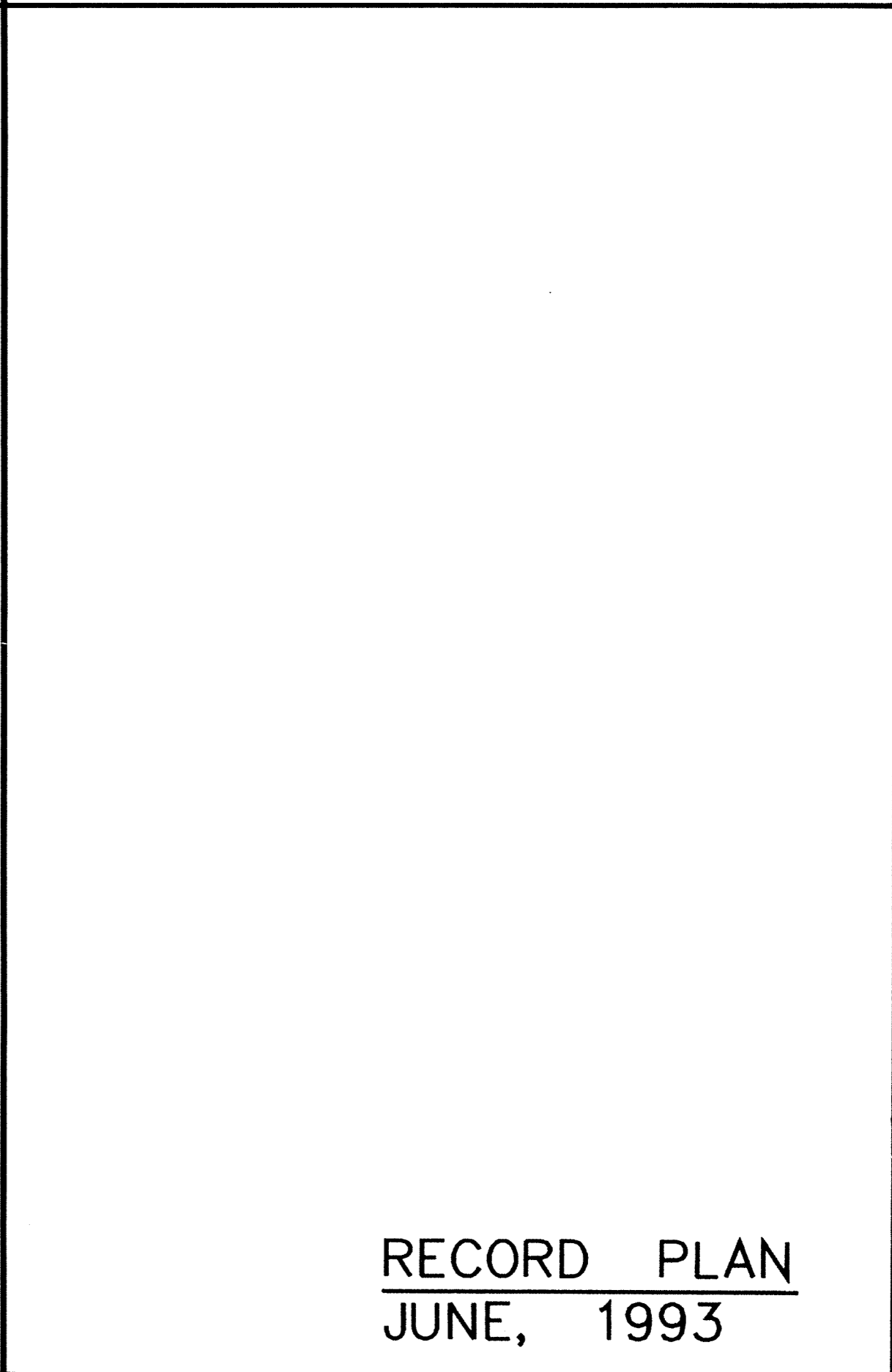
SLAB TOP MANHOLE



SERVICE RISER SECTION



TYPICAL HOUSE SERVICE



RECORD PLAN
JUNE, 1993

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

MSW CONSULTING ENGINEERS
Maier Stewart & Associates Inc.
1959 SLOAN PLACE (612) 774 6021 ST. PAUL, MINNESOTA 55117

DATE	DESCRIPTION	DESIGNED	CHECKED	DRAWN

CITY OF ELK RIVER
HILLSIDE ESTATES
SANITARY SEWER DETAILS
DATE: MAY, 1992 SHEET 16 OF 19 SHEETS PROJECT NO. 230-140

MINNESOTA BLUEPRINT