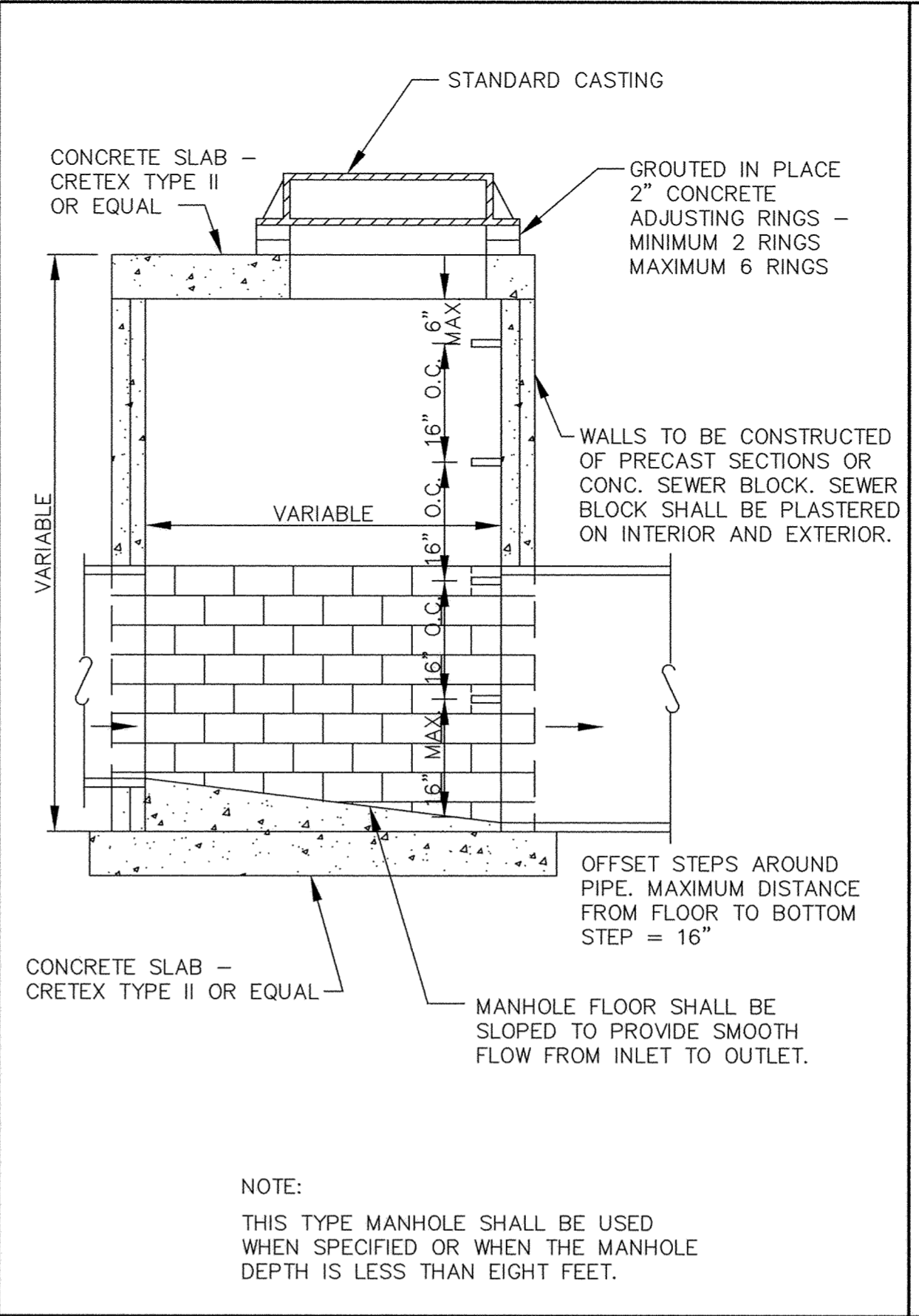
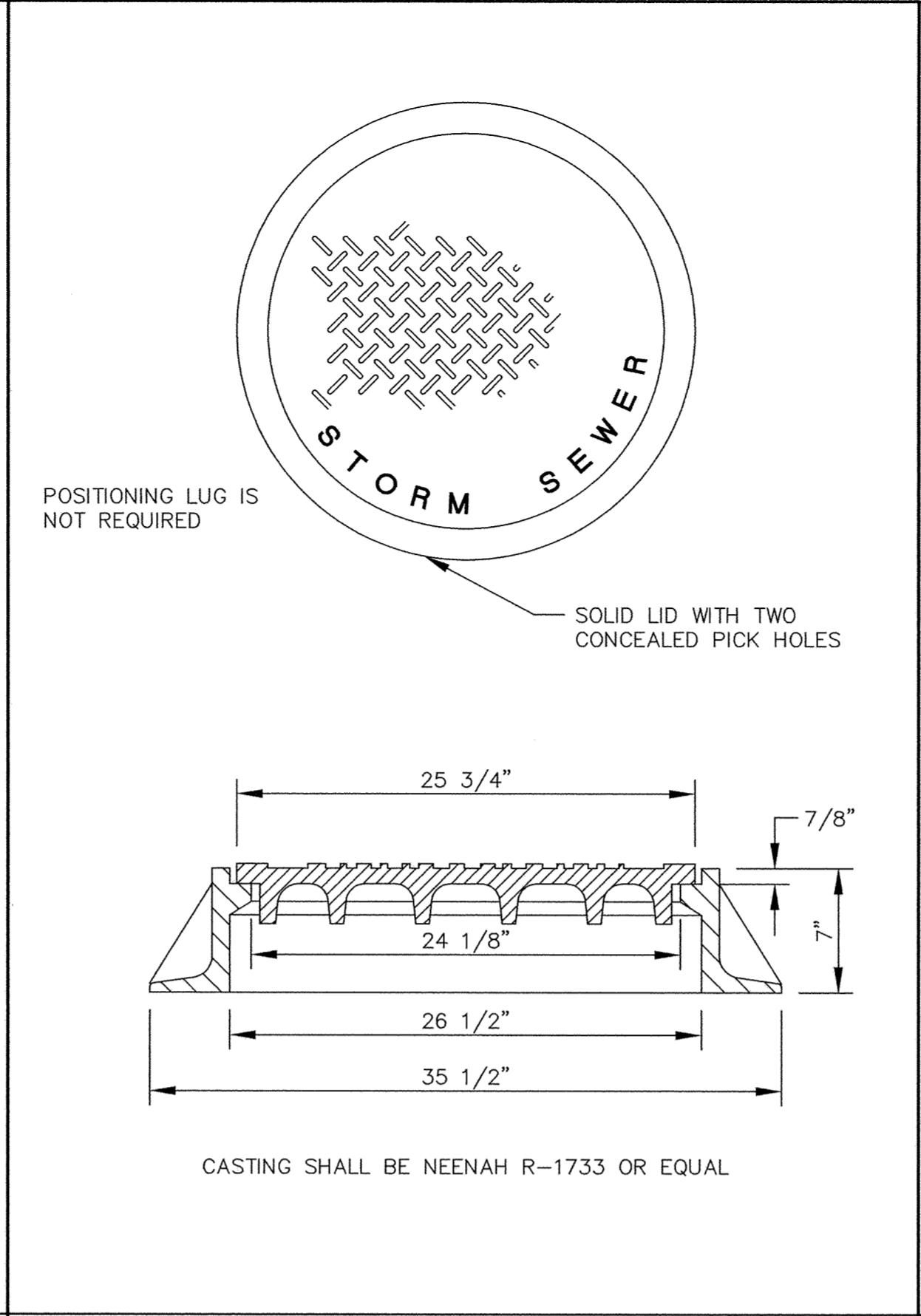


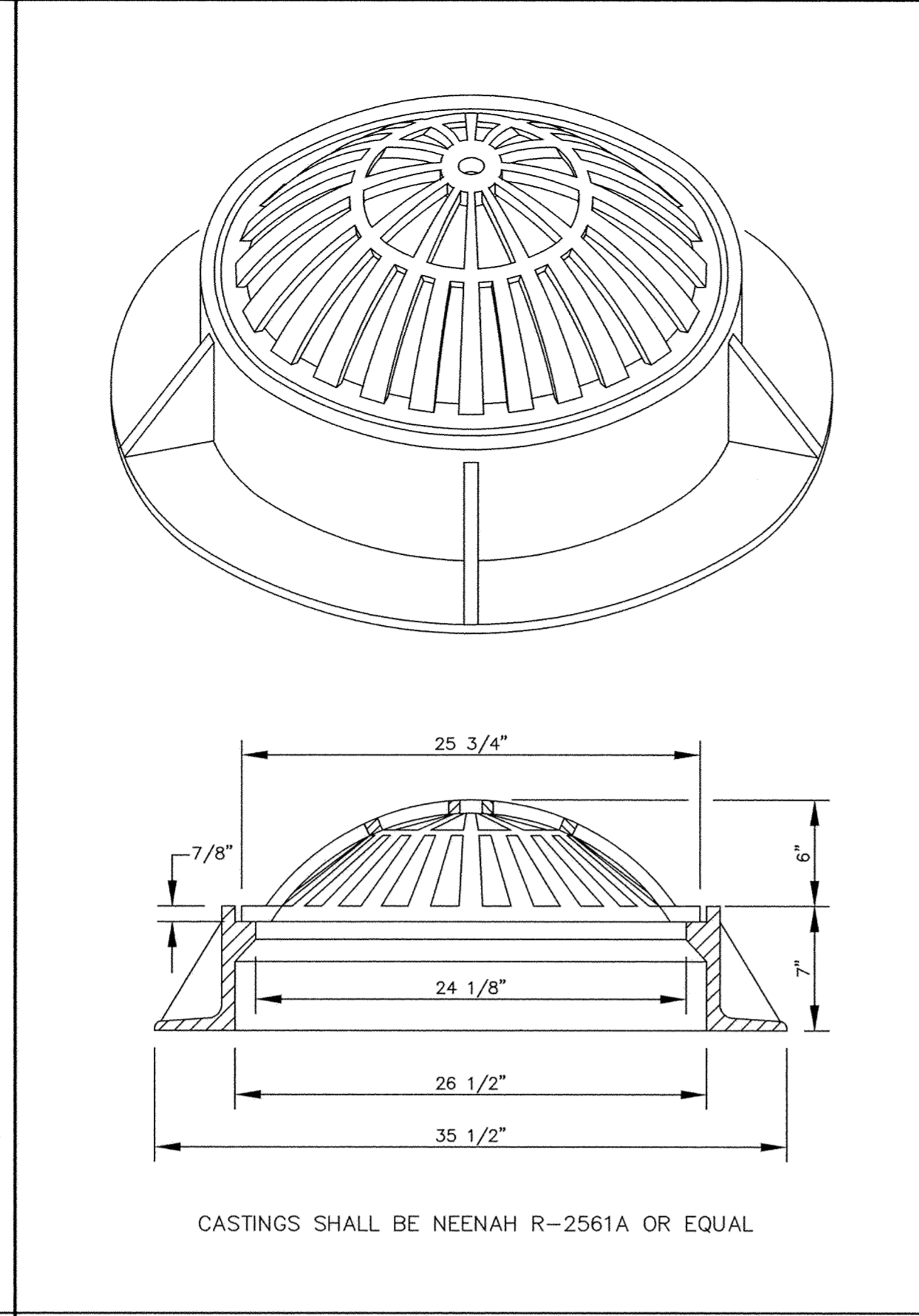
STANDARD MANHOLE



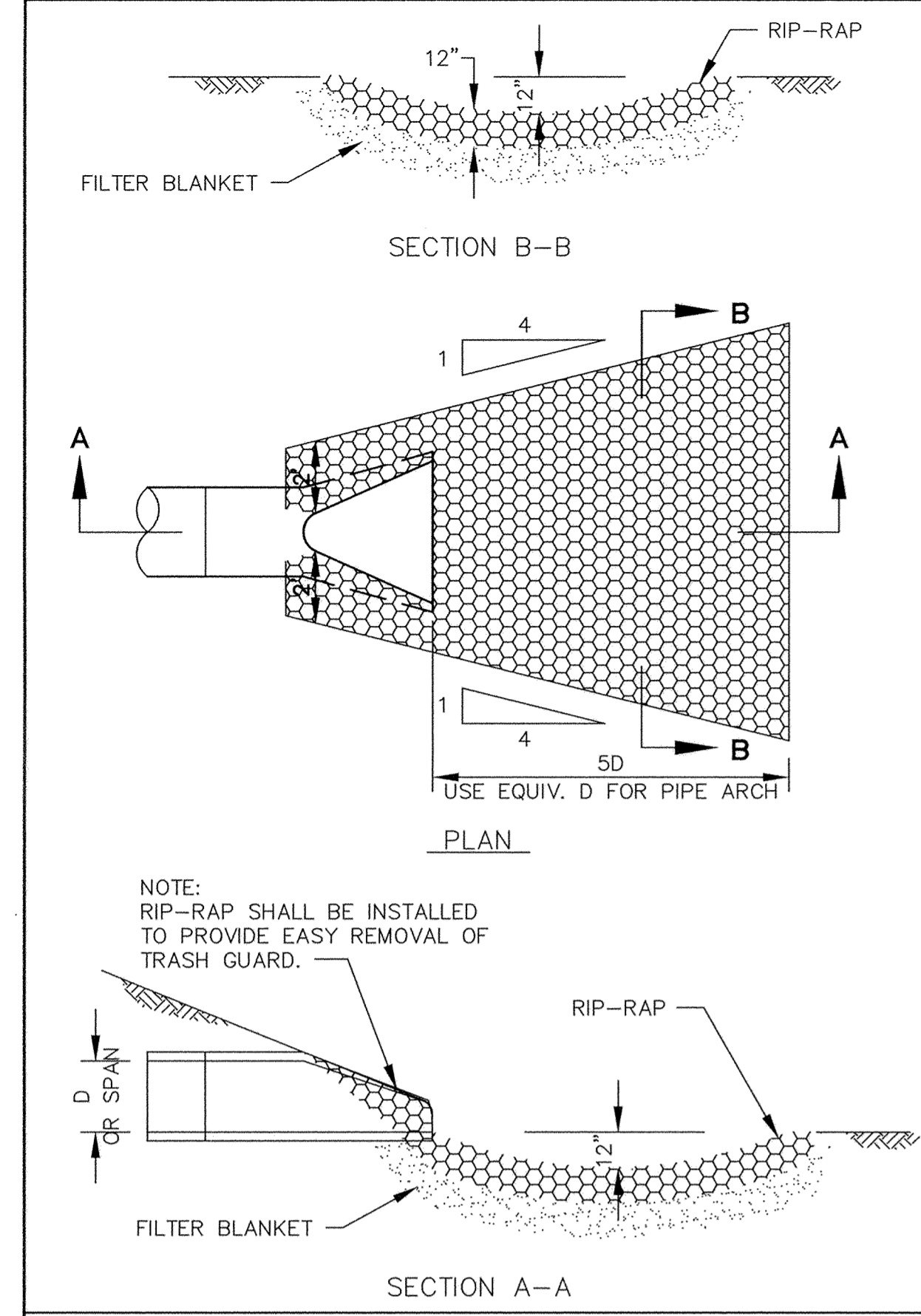
SLAB TOP MANHOLE



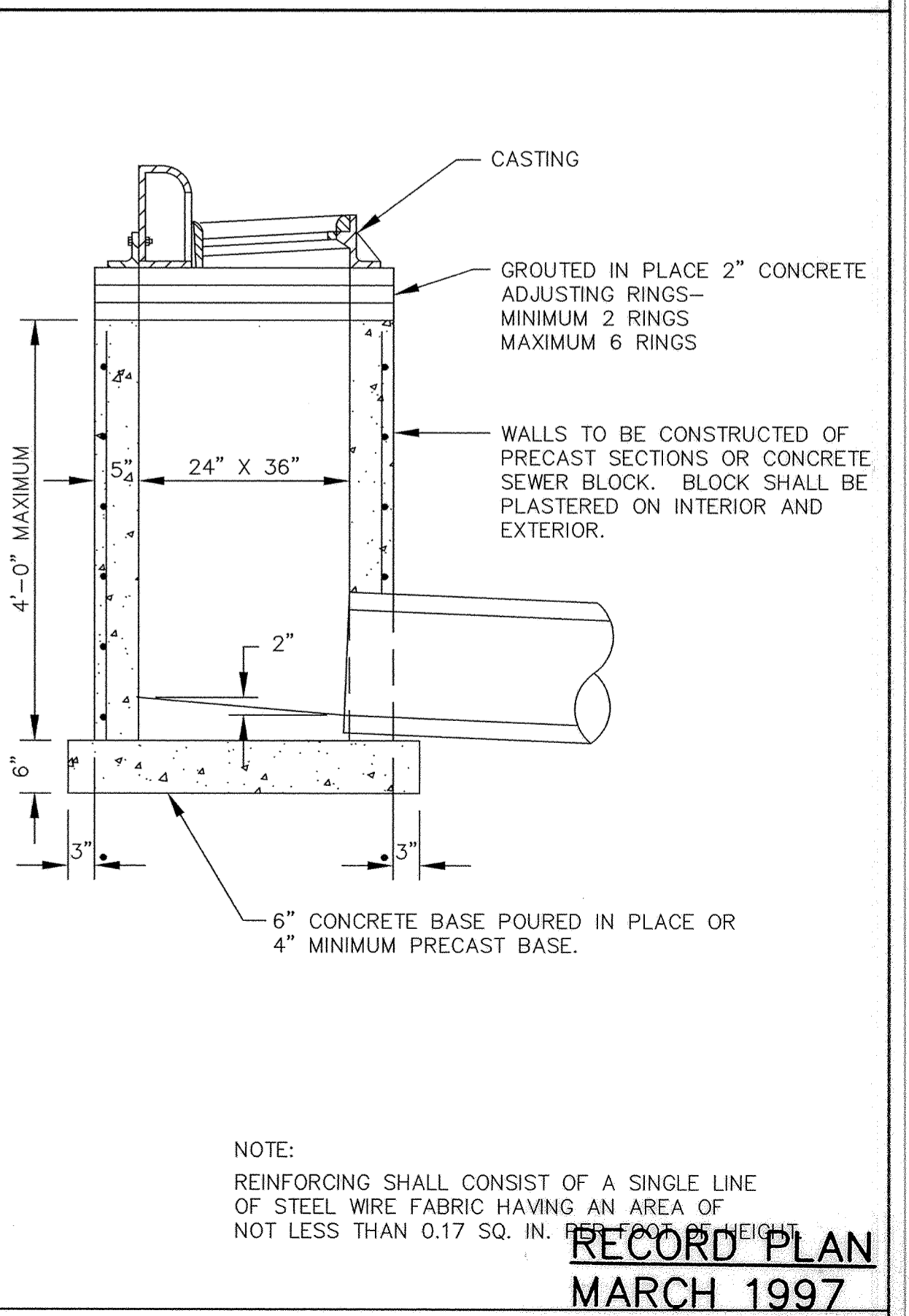
STANDARD MANHOLE CASTING



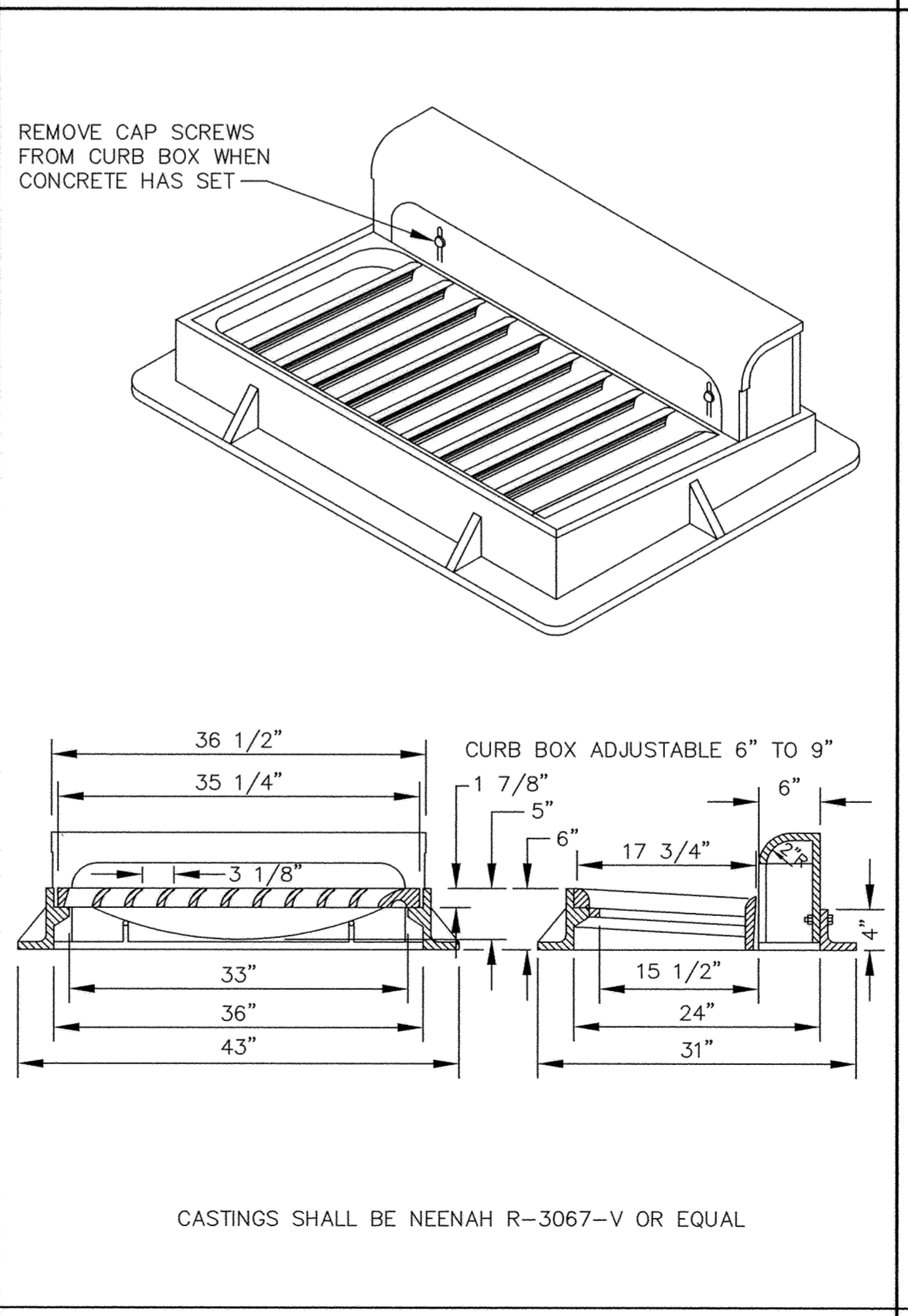
BEEHIVE CASTING



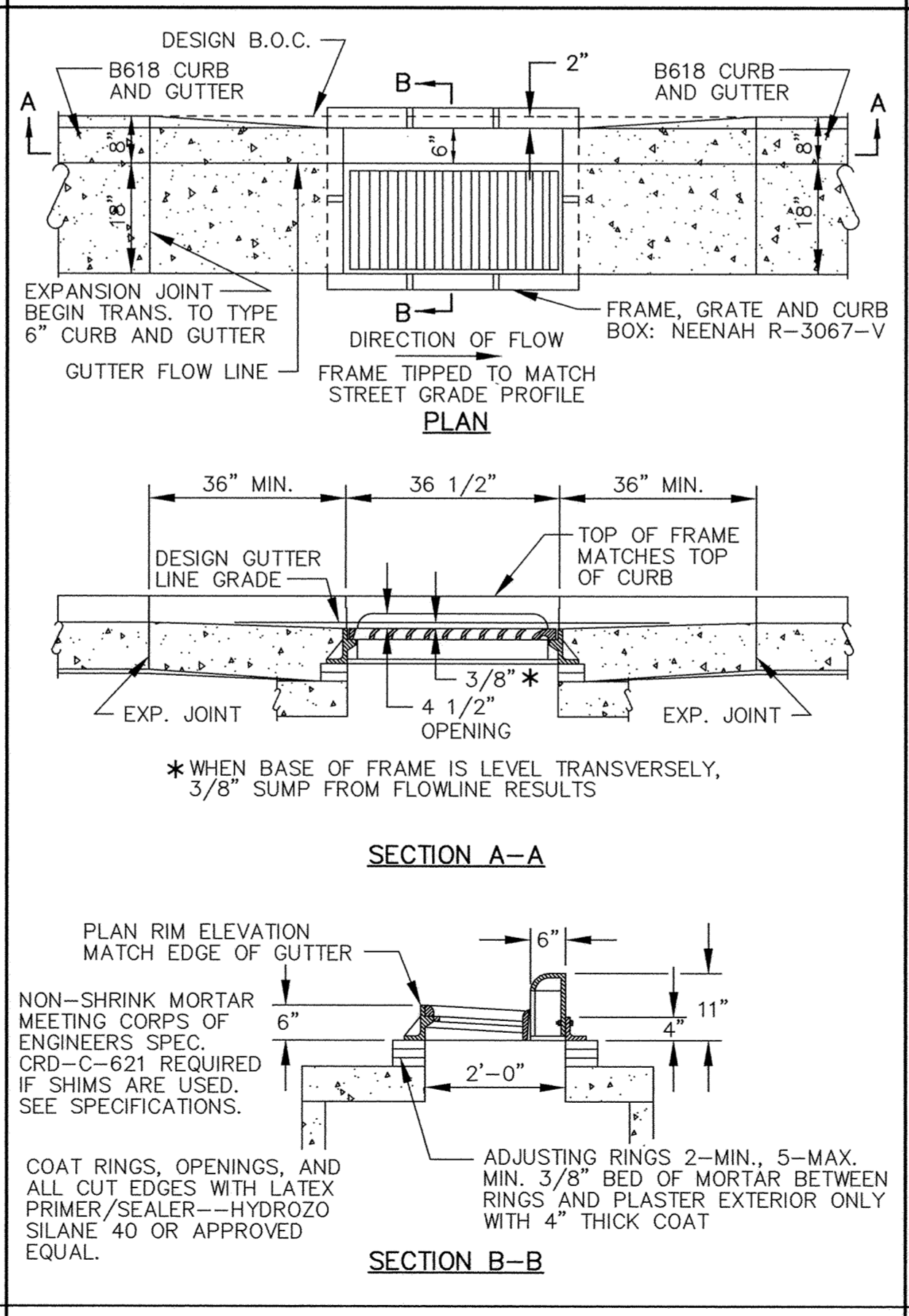
RIP-RAP INSTALLATION



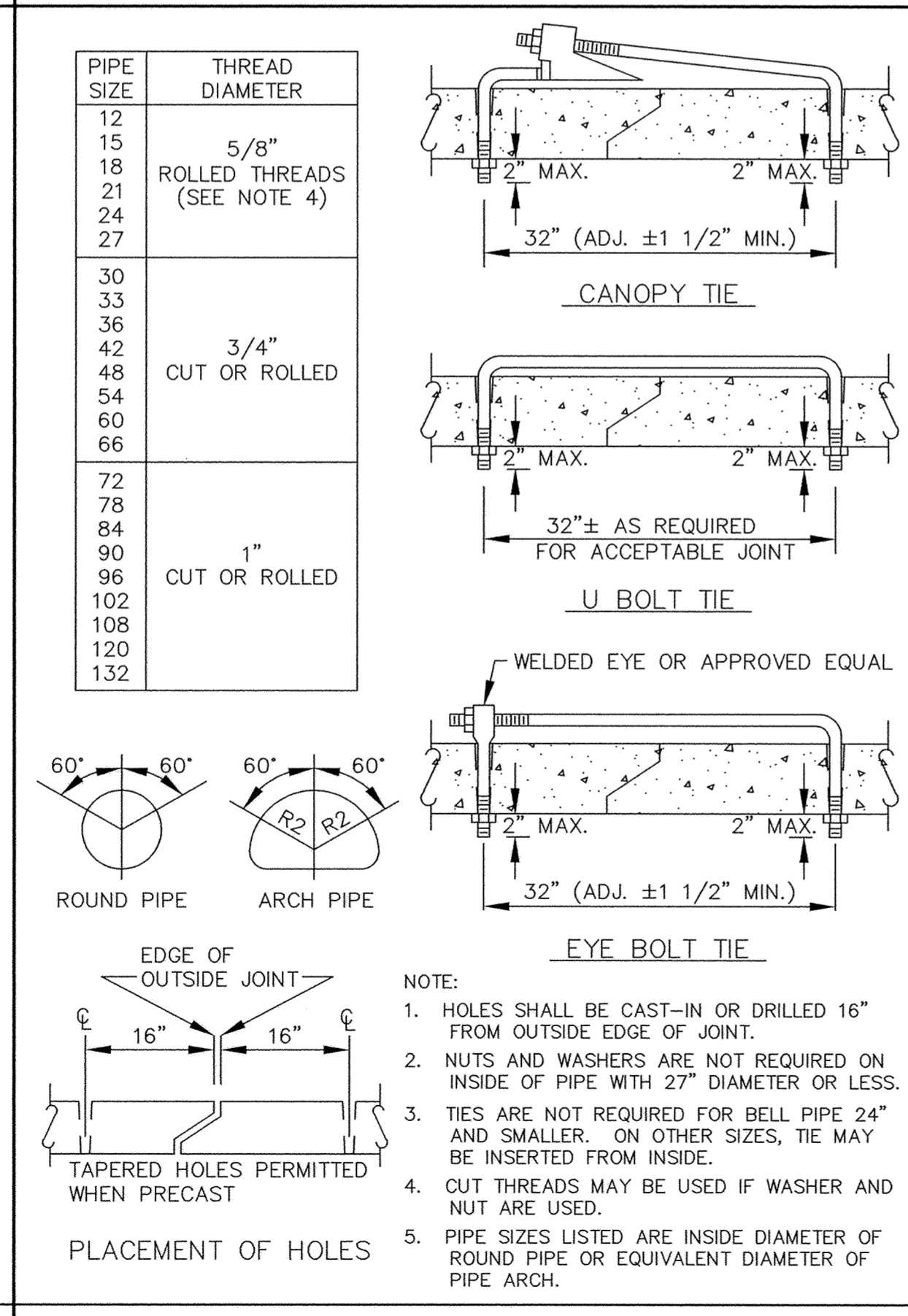
SHALLOW CATCH BASIN



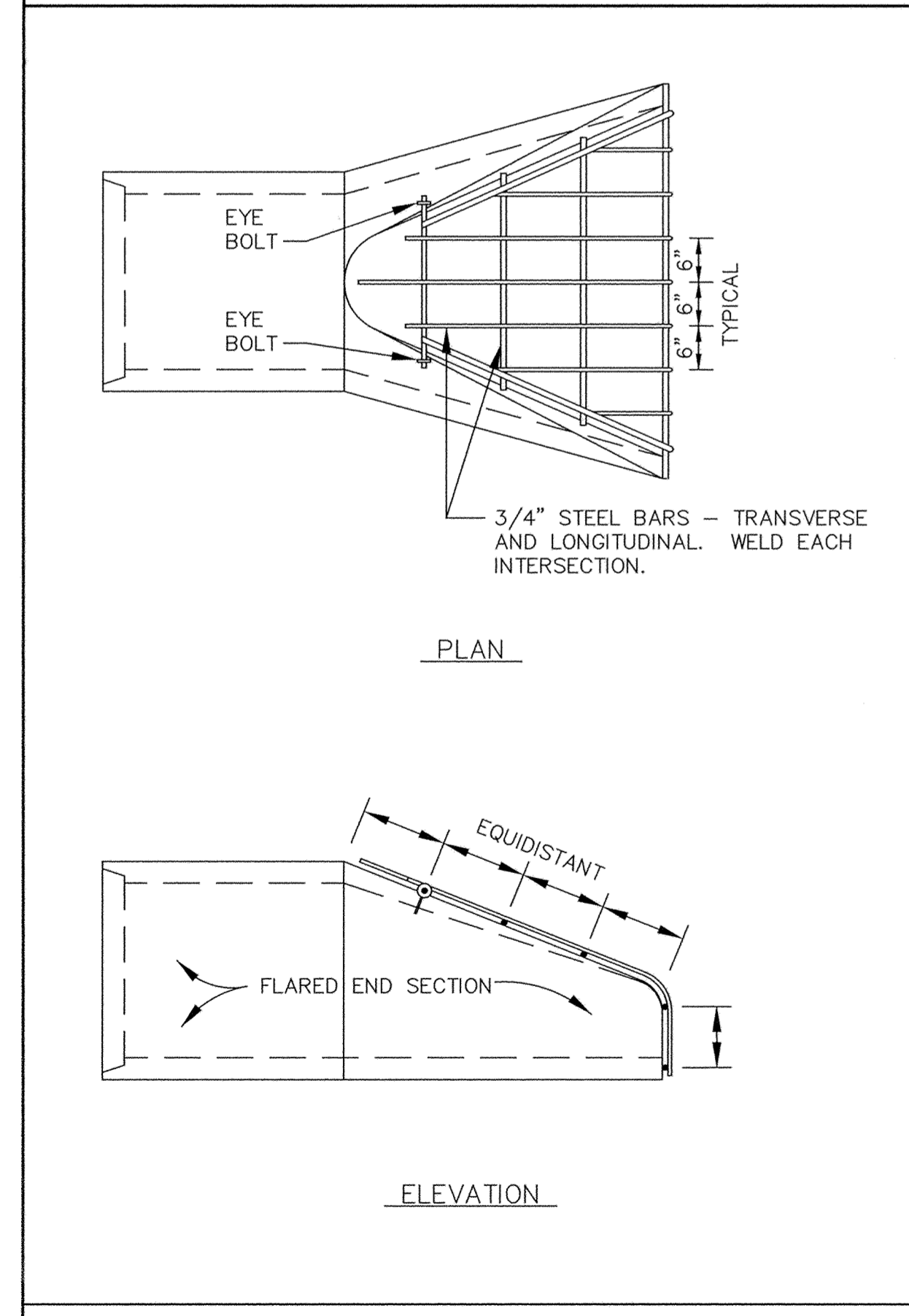
STANDARD INLET CASTING



CATCH BASIN FRAME PLACEMENT B618 CURB AND GUTTER



CONCRETE PIPE JOINT TIES



TRASH GUARD

RECORD PLAN
MARCH 1997

NOTE: REINFORCING SHALL CONSIST OF A SINGLE LINE OF STEEL WIRE FABRIC HAVING AN AREA OF NOT LESS THAN 0.17 SQ. IN. PER LINEAL FOOT.

| | |
|-------------|-----------------|
| DATE | APRIL 1996 |
| SHEET | 30 OF 31 SHEETS |
| PROJECT NO. | 230-297 |

| REVISIONS | DATE | DESCRIPTION | DESIGNED | SEF |
|-----------|------|-------------|----------|-----|
| | | | | |

GRAPHIC SCALE
HORIZ. N/A
VERT. 5

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

MSA
CONSULTING ENGINEERS

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.

Kevin J. Wanner
DATE: 9/15/94 REG. NO. 15316