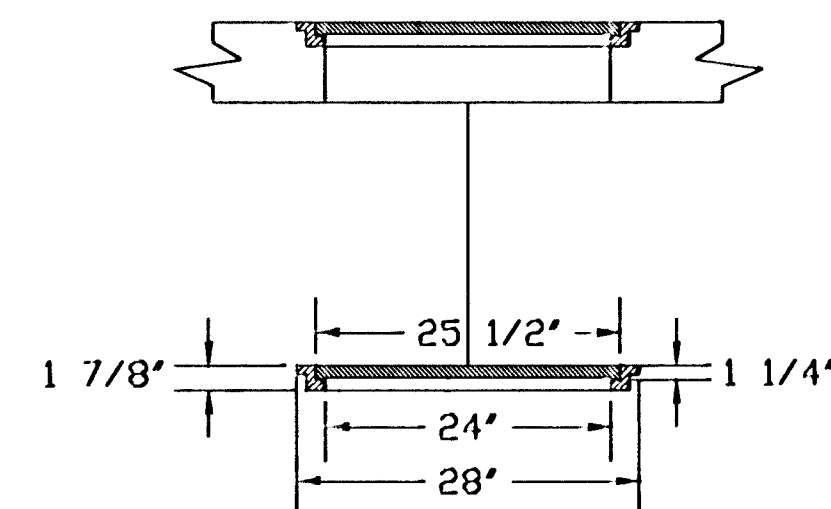
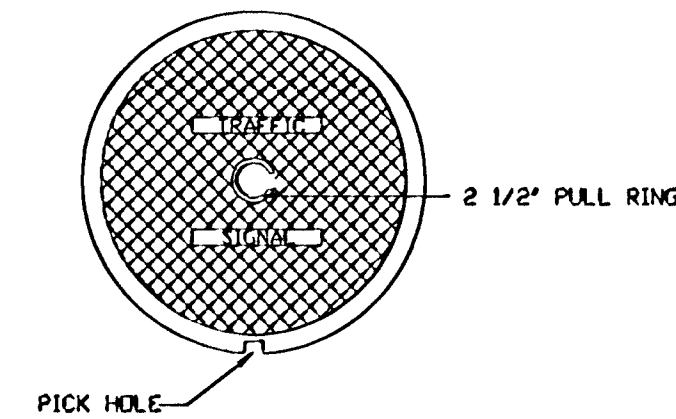
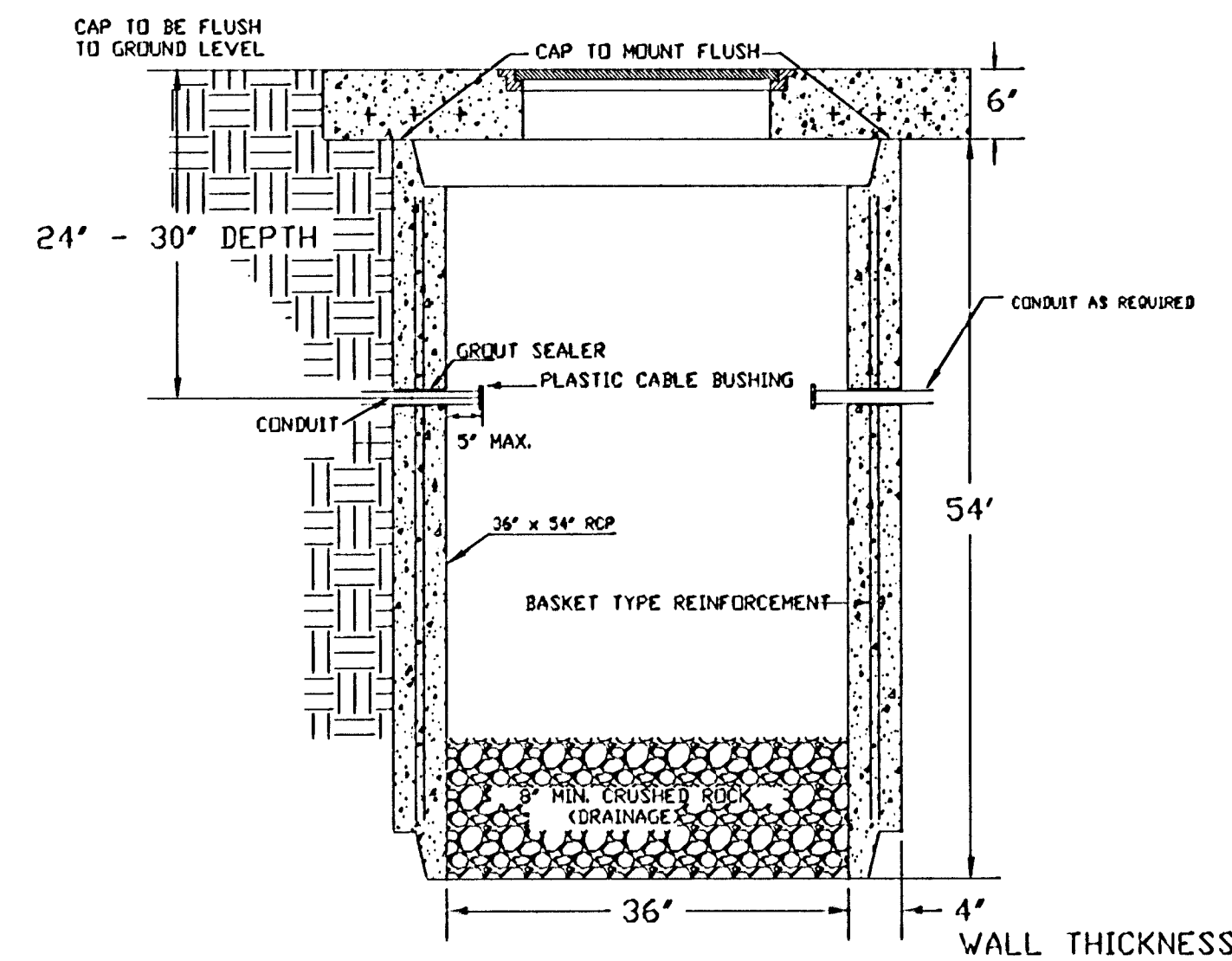


Figure 1 is a plan view of a circular structure. The structure consists of several concentric rings. A grid of lines is overlaid on the structure. The overall diameter of the structure is 48'. A vertical line labeled 'A' is positioned on the right side of the structure. Dimensions of 4' are indicated for the spacing between the rings.

(36' I.D. X 54' RCP)
with 6' CAP



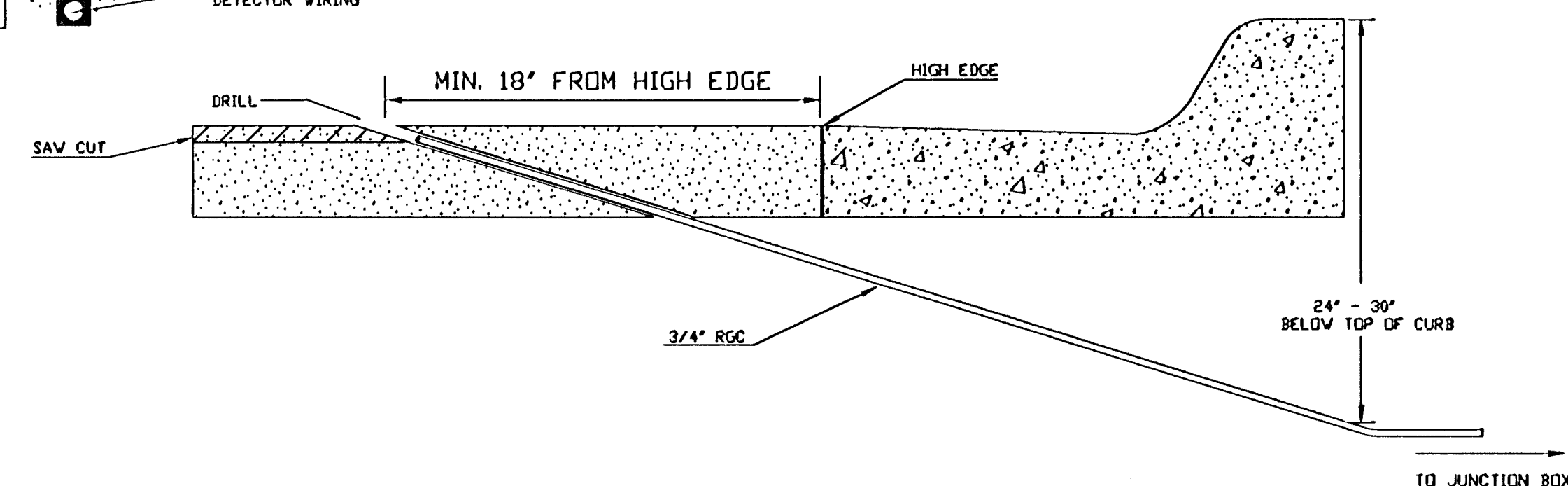
RING & COVER DETAIL



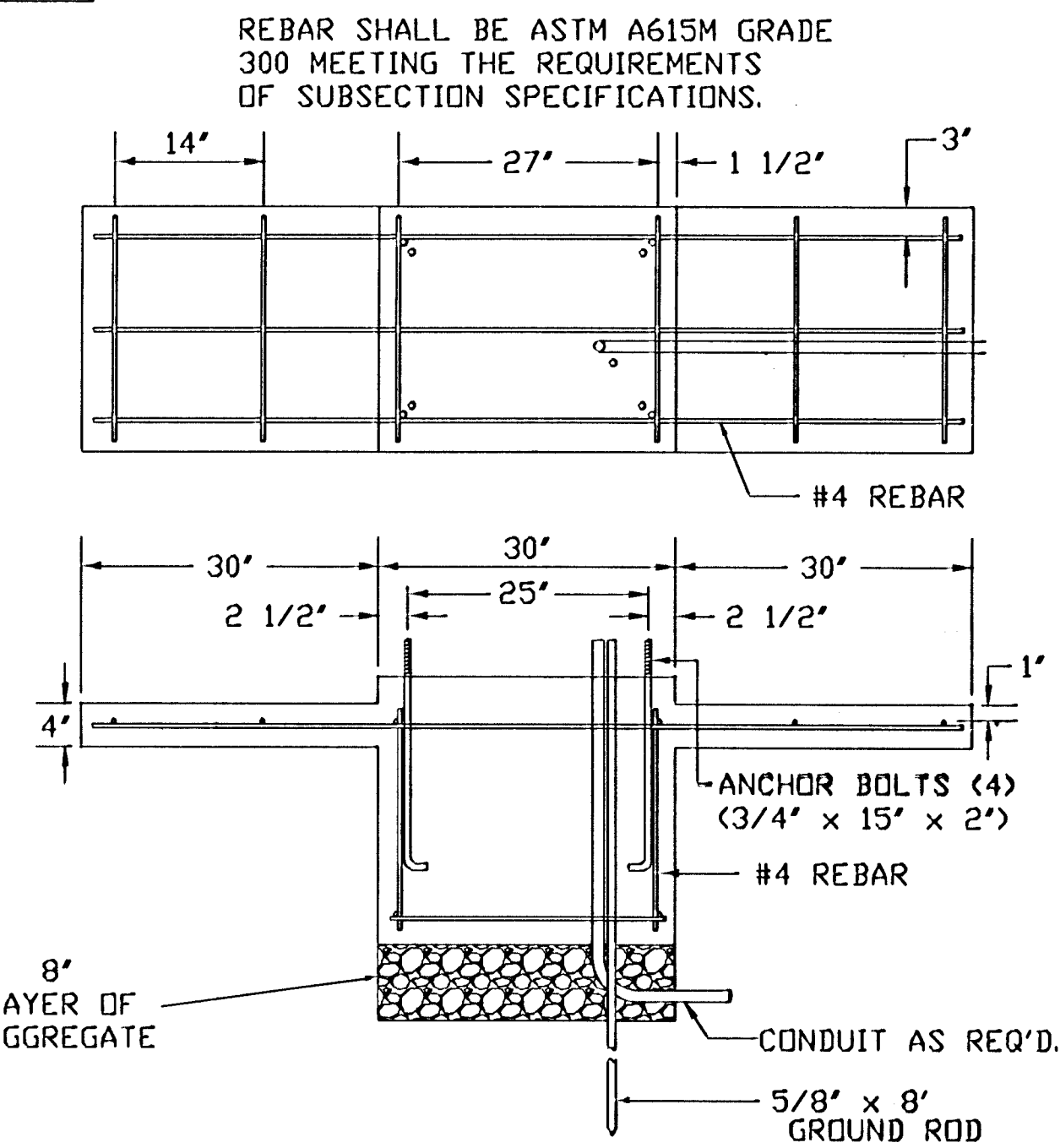
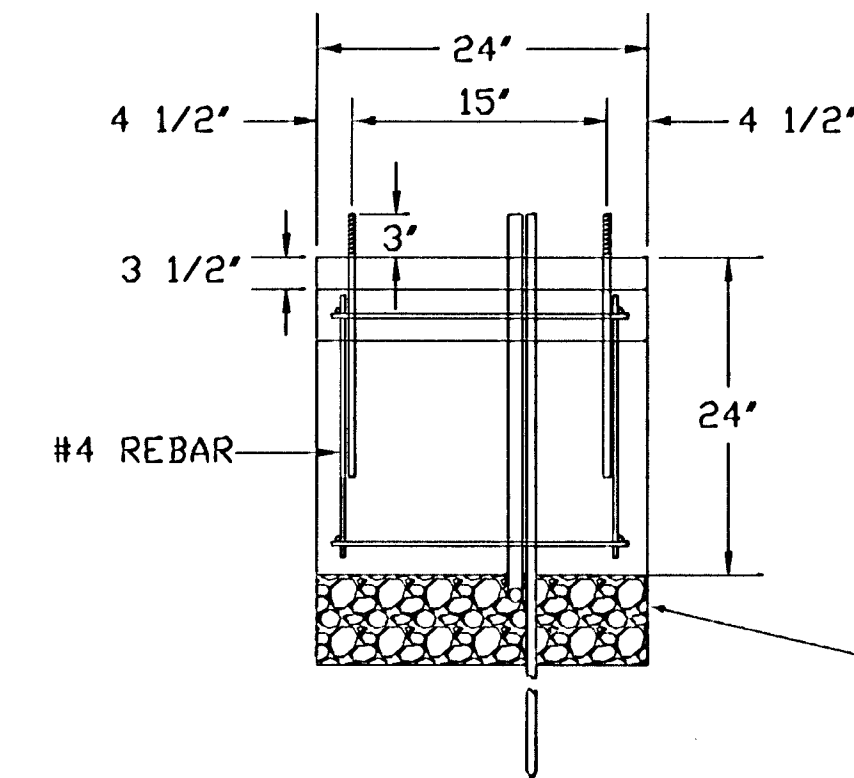
SECTION A-A

Diagram illustrating the installation of a detector probe in a pavement. The probe is shown as a vertical cylinder with three circular detector wiring elements. The probe is installed through a saw cut in the pavement, which is then sealed with an approved sealer. The diagram labels the SAW CUT, APPROVED SEALER, PAVEMENT, and DETECTOR WIRING.

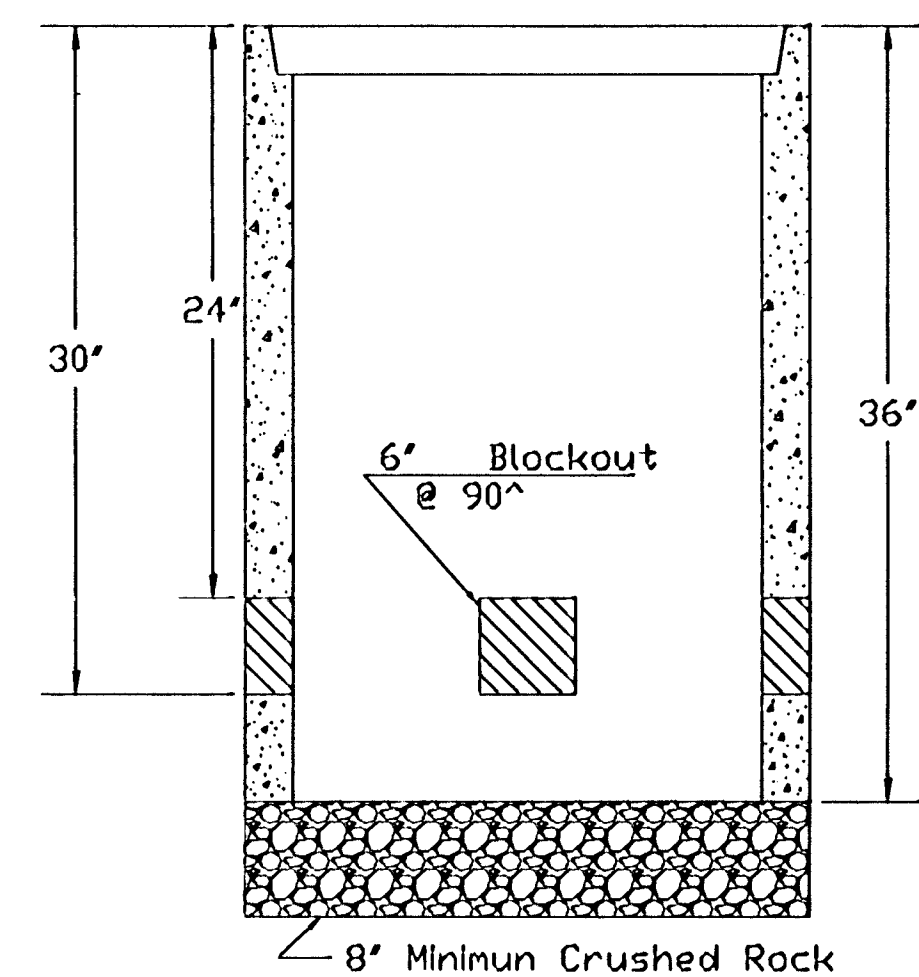
STD. CURB & GUTTER



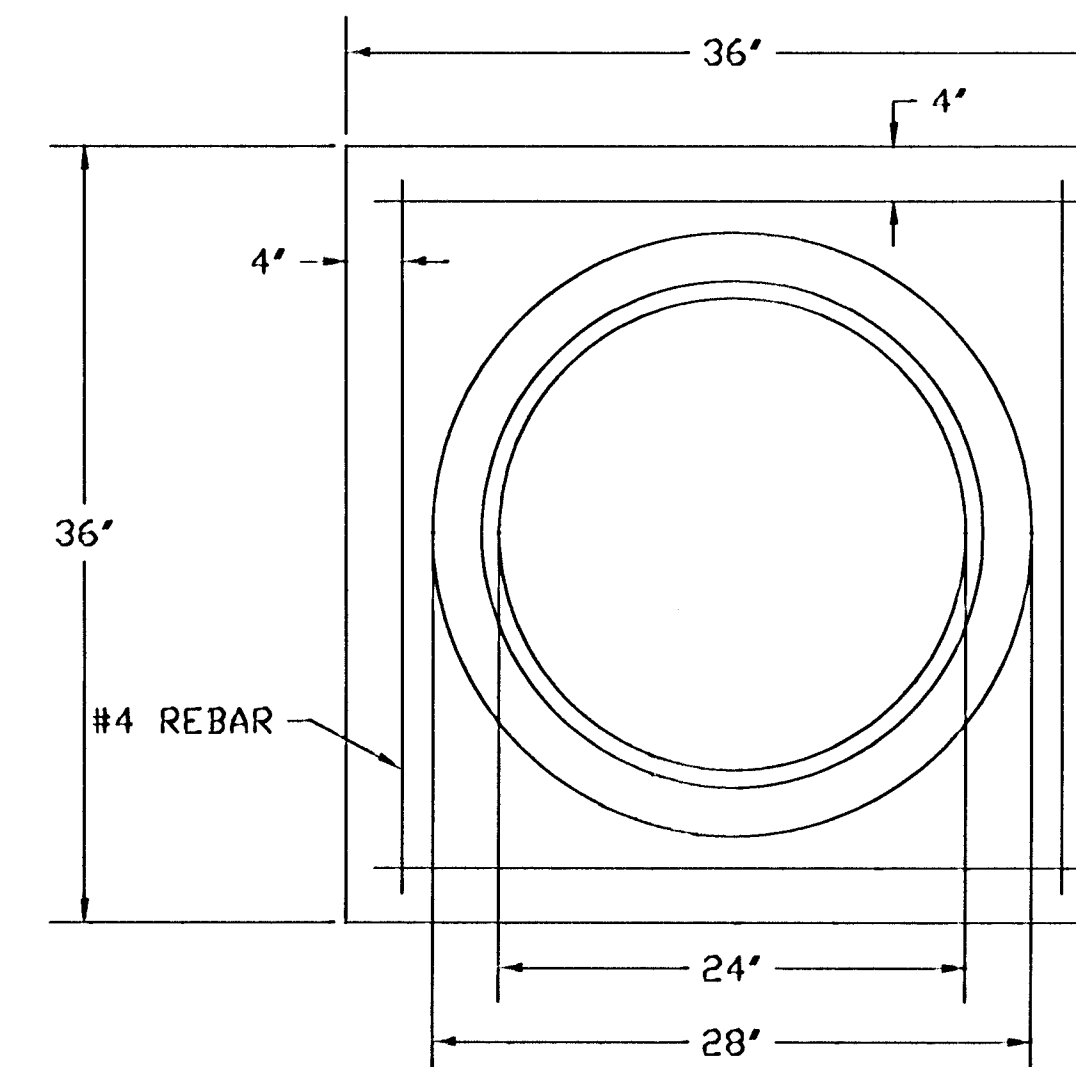
PERMISSIBLE CONDUIT AREA
9'x16' —



PRE-FAB Junction Box
(24' I.D. X 36' R.C.P.)

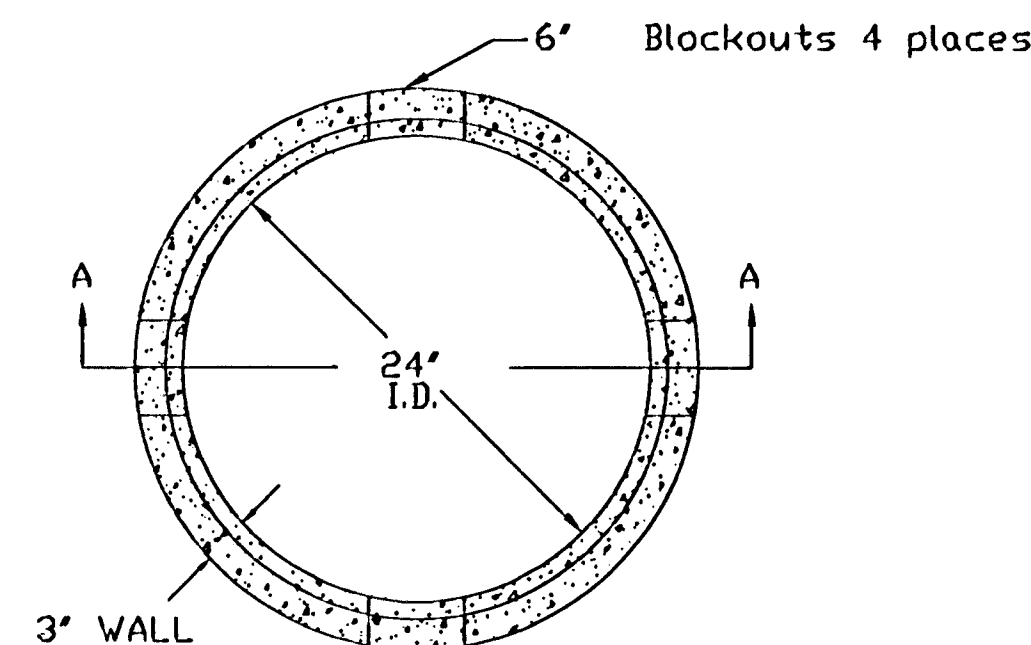


SECTION A-A



JUNCTION BOX CAP

36' x 36' x 6'
TOP OF CAP TO BE FLUSH WITH
GROUND LEVEL.



SEE SERVICE BOX INSTALLATION
FOR RING & COVER DETAILS.

[illegible]

SERVICE & JUNCTION BOX:

1. CONDUIT CONNECTION TO BE FLUSH TO WITHIN 125 mm OF INSIDE FACE OF SIDE WALL, CONDUIT TO DRAIN INTO SERVICE BOX.
2. CONDUIT CONNECTIONS TO SERVICE BOX SHALL BE TERMINATED WITH PLASTIC CABLE BUSHING.
3. CONDUIT SHALL BE SEALED WITH APPROVED SEALER AT INSIDE WALL FACE.
4. ALL SERVICE & JUNCTION BOXES TO HAVE 200 mm OF CRUSHED ROCK.

TRENCHING:

1. DEPTH TO BE 30" MINIMUM WITH ROCK & STUBBLE FREE BACKFILL TO SERVE AS BEDDING MATERIAL. MAINTAIN MINIMUM CONDUIT DEPTH IN TRENCH.
2. BACKFILL TO BE COMPACTED IN 6" LOOSE LIFTS BY HAND OR MECHANICAL TAMPING TO A 95% STANDARD DENSITY.

CONDUIT:

1. SLOPE CONDUIT TO DRAIN AS DIRECTED BY THE ENGINEER.
2. 3' RIGID STEEL CONDUIT BTWN. SERVICE BOXES.
- | | | | | |
|--------|---|---|---|---------------------------------|
| 1 1/4" | ' | ' | ' | BTWN. SERVICE & JUNCTION BOXES. |
| 3/4" | ' | ' | ' | BTWN. JUNCTION BOXES. |
| 3/4" | ' | ' | ' | BTWN. JUNCTION BOX & DETECTOR |
- LOOP SAW CUT

SERVICE/JUNCTION BOX, CONTROLLER PAD CONSTRUCTION/INSTALLATION DETAILS

OSNR: BER OPER: DEP SCALE: 1=1.00
Q: \1999\99773\SB-DTL 06-04-2001 08:27:39 cm

THE CITY OF WICHITA



CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
459 NORTH MAIN STREET
WICHITA, KANSAS 67202
(316) 268-4501
(316) 268-4114 FAX

PROJECT DESCRIPTION
SERVICE/JUNCTION BOX, CONTROLLER PAD
CONSTRUCTION/INSTALLATION DETAILS

DRAWN BY: T.M. DATE: MAY 97	SCALE NO SCALE	REVISED BY: DATE:
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CITY OF WICHITA
DEPARTMENT OF PUBLIC WORKS

WM. G. MCKINLEY P.E. TRAFFIC ENGINEER

SHEET TS4