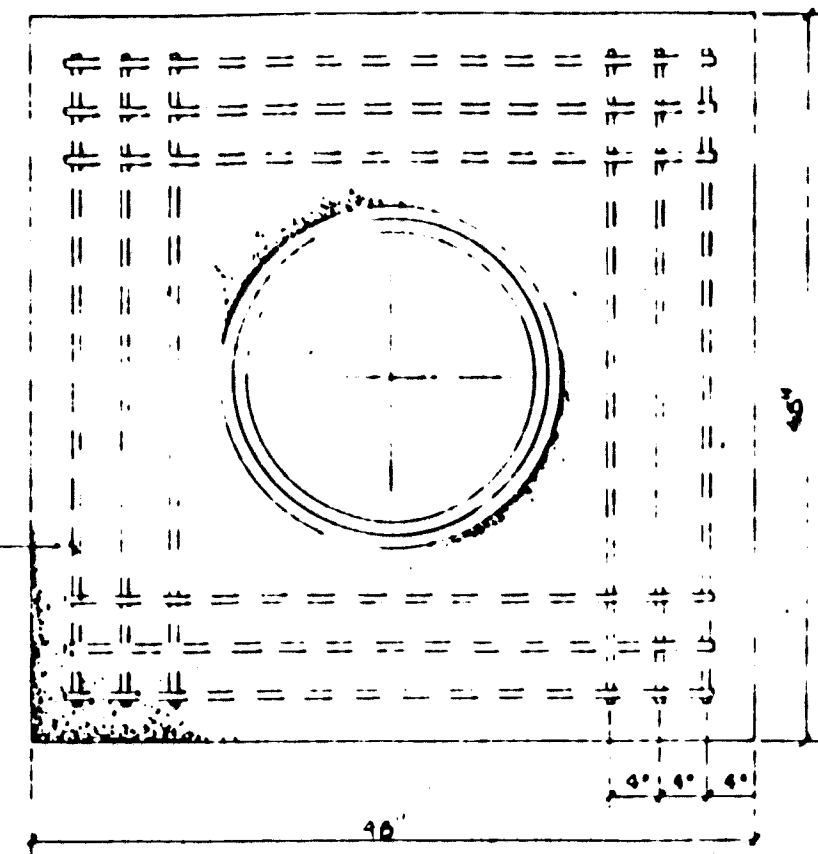
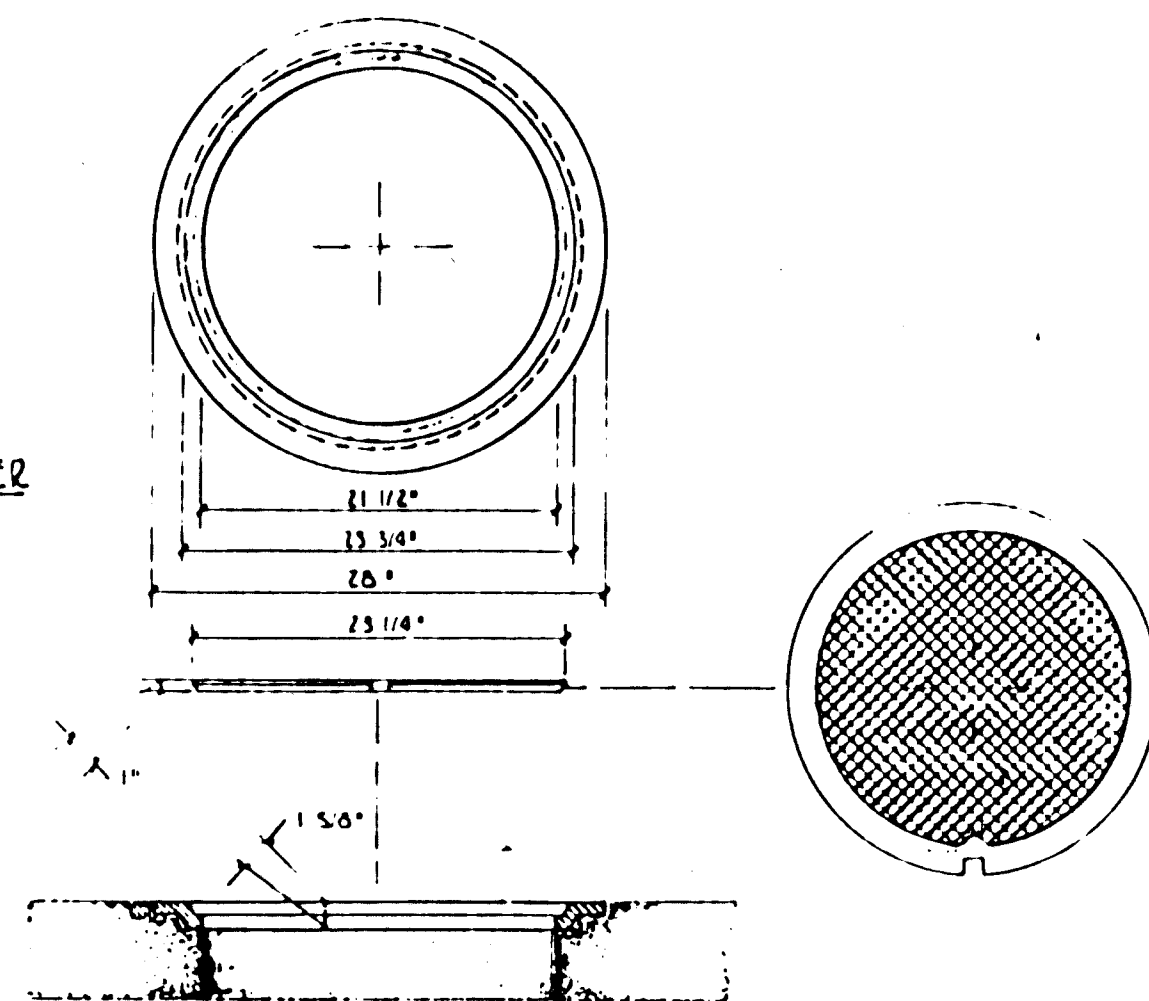


• SERVICE BOX CONSTRUCTION / INSTALLATION DETAILS •

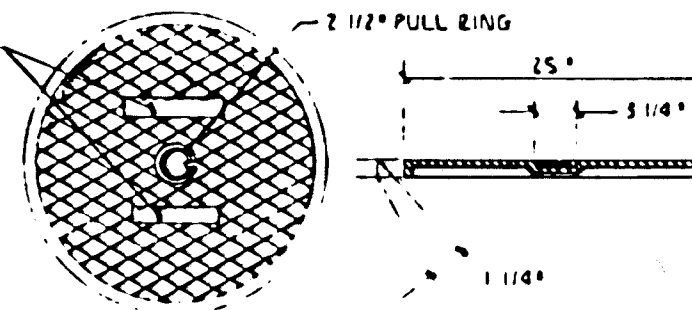
STD. CONC. SERVICE BOX
(48" x 48" x 54" BOX)
6" CAP



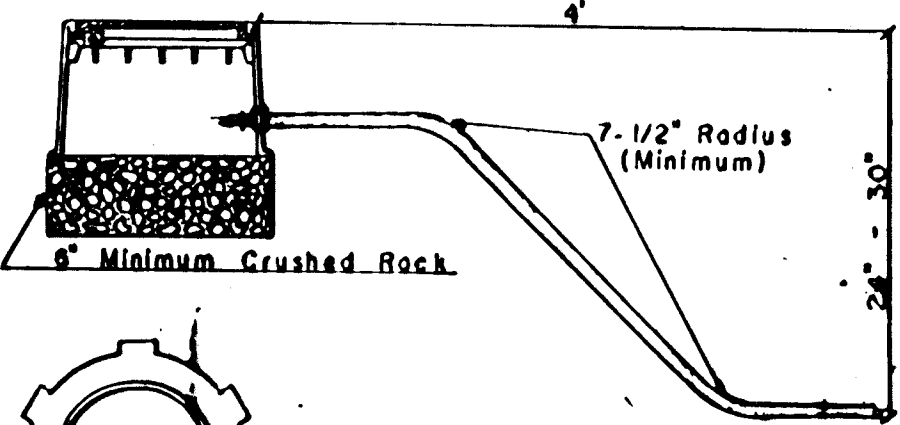
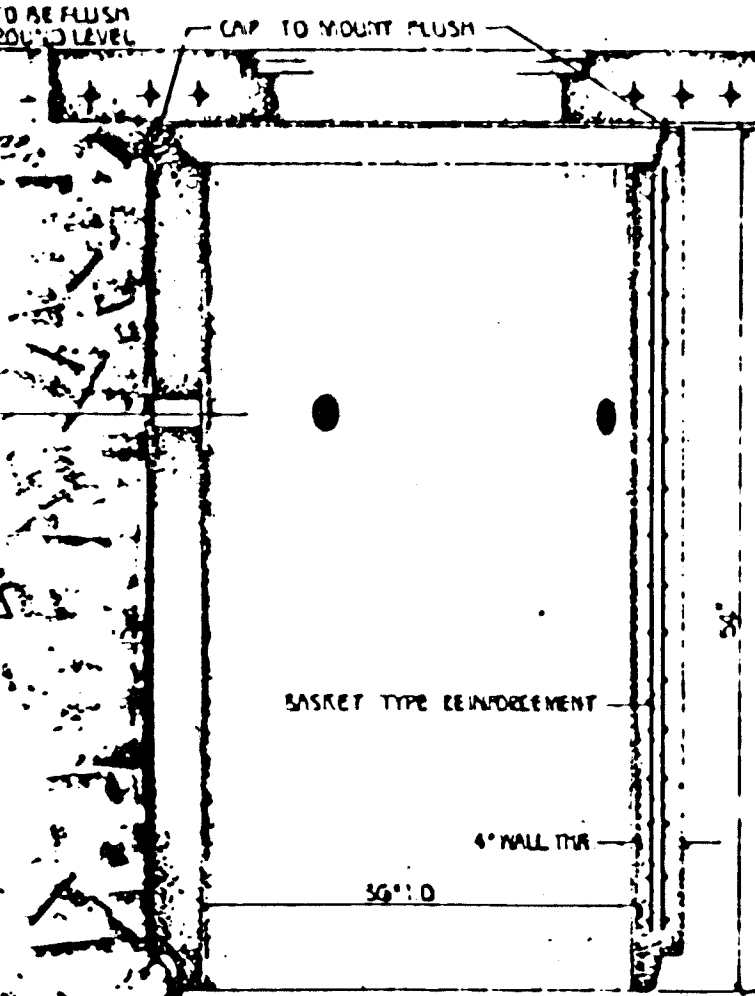
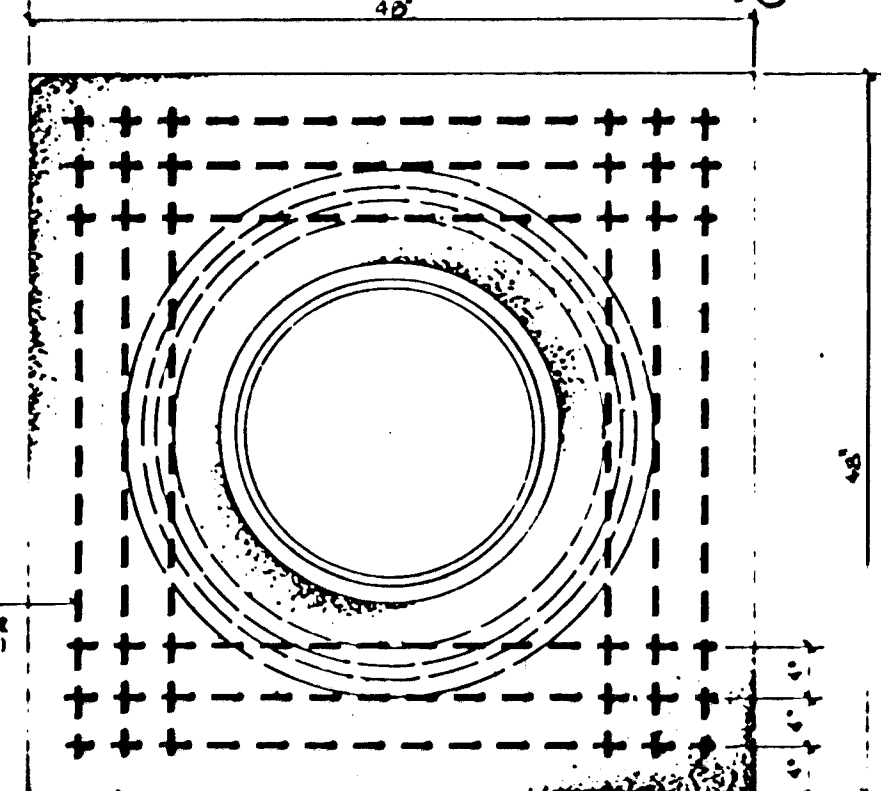
MANHOLE RING & SOLID COVER
(CAST IRON)



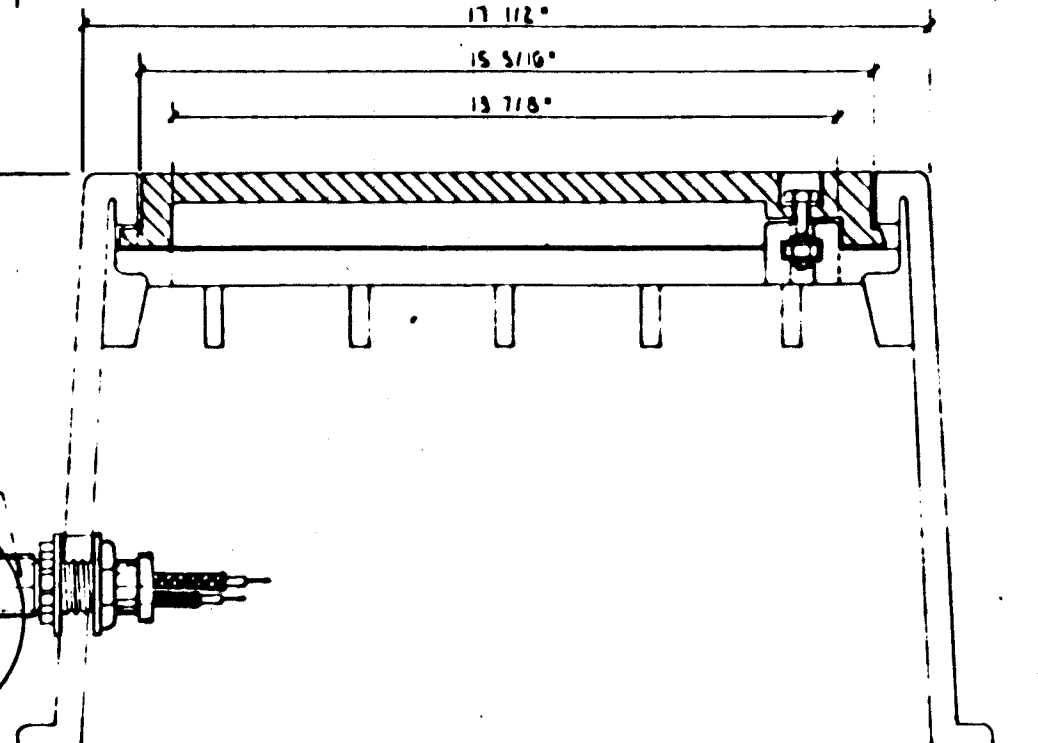
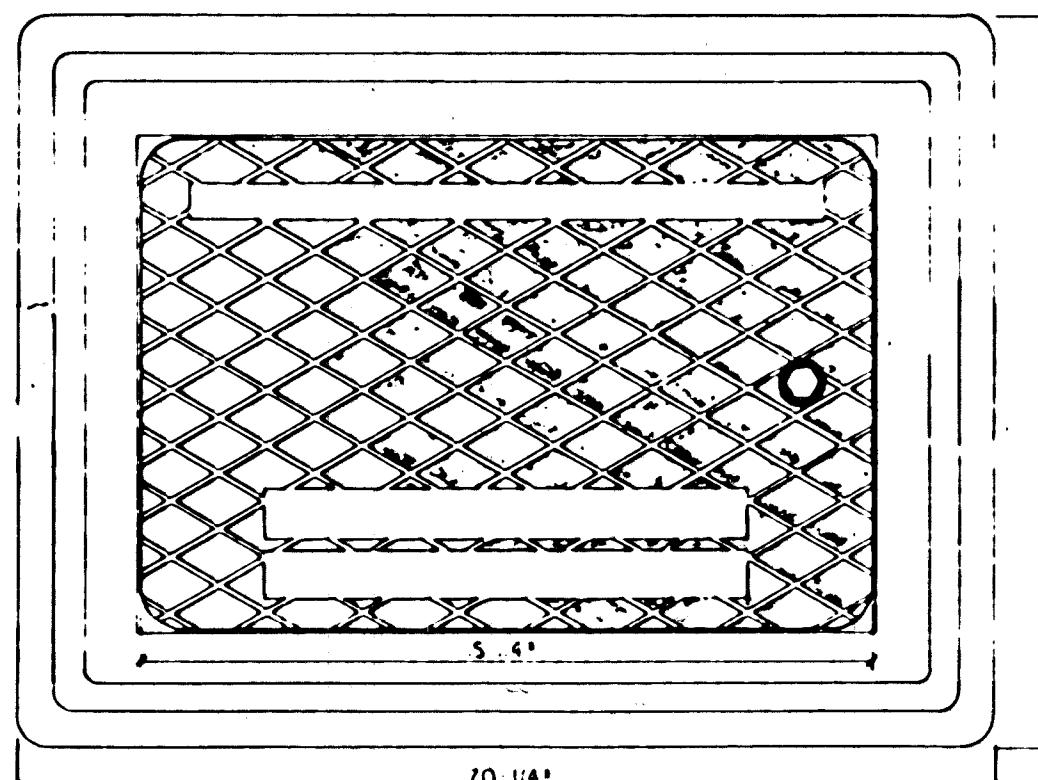
WALKWAY RING & SOLID COVER
(CAST IRON)



PRE-FAB SERVICE BOX
(36" I.D. x 54" RCP)
6" CAP



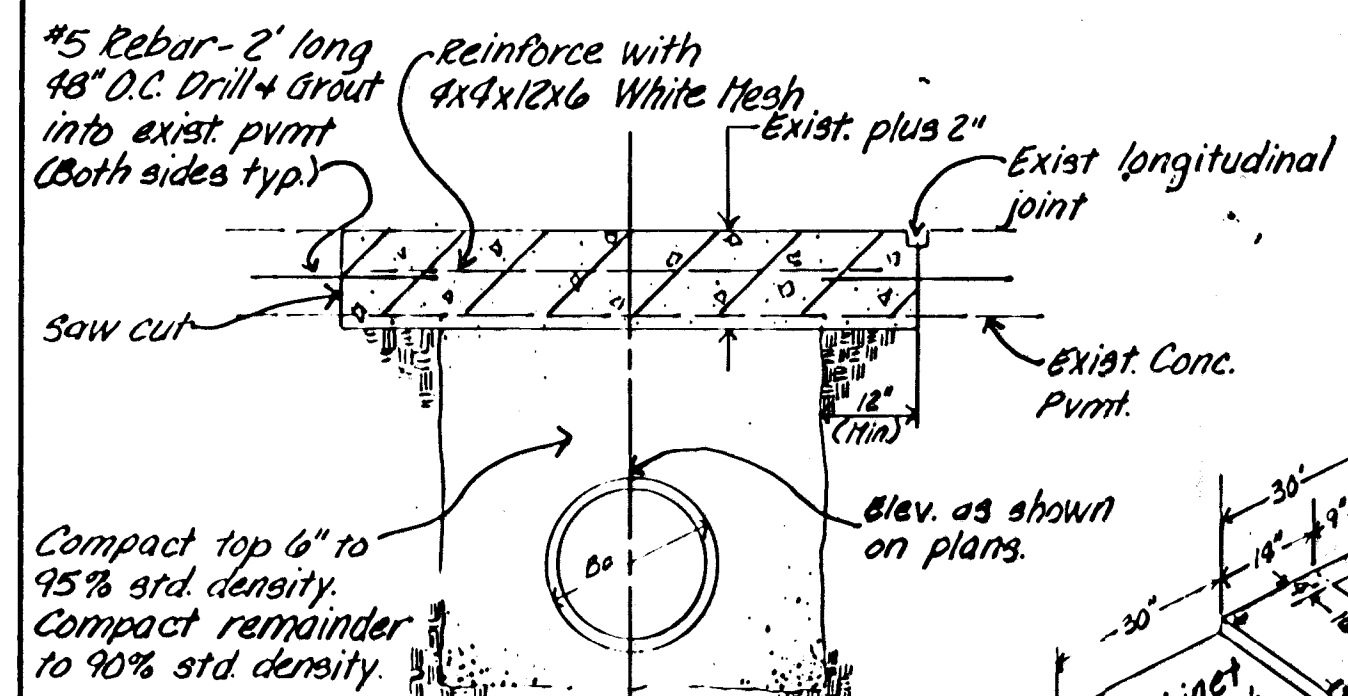
• JUNCTION BOX DETAILS •



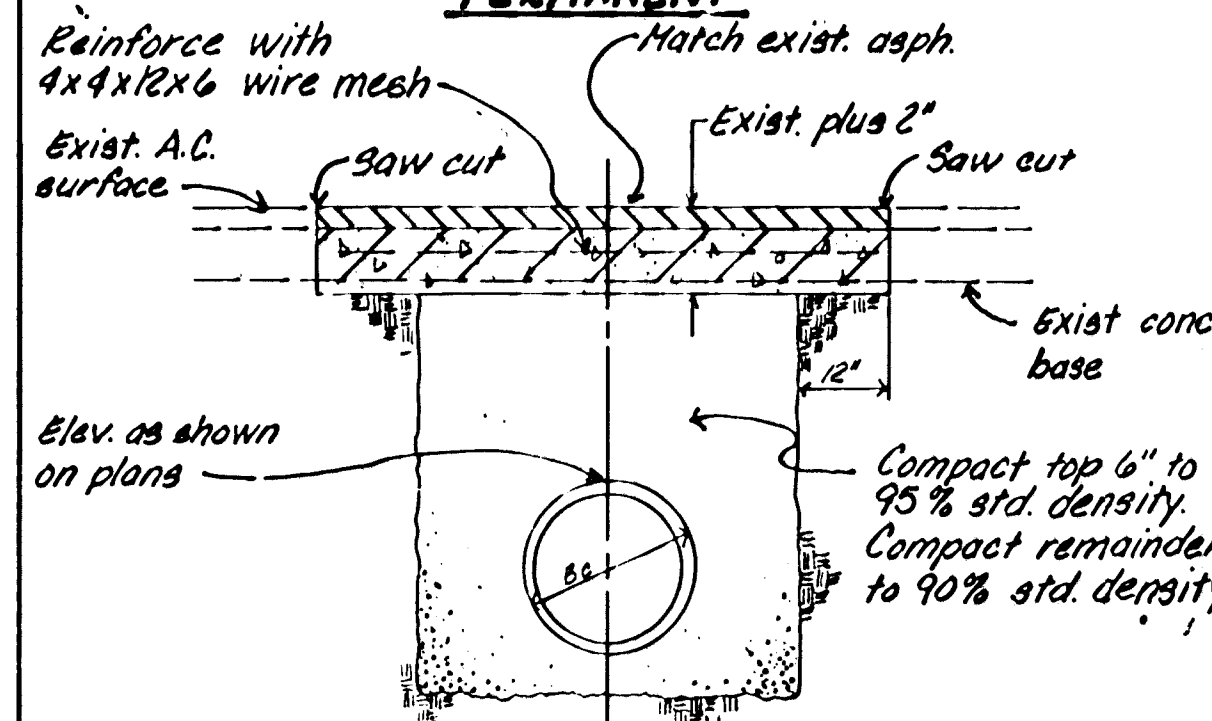
JUNCTION BOX TYPICAL
FASTENER ASSEMBLY
DETAIL (BOX LID)

* Conduit bends for detector feeder runs not to exceed 45°.

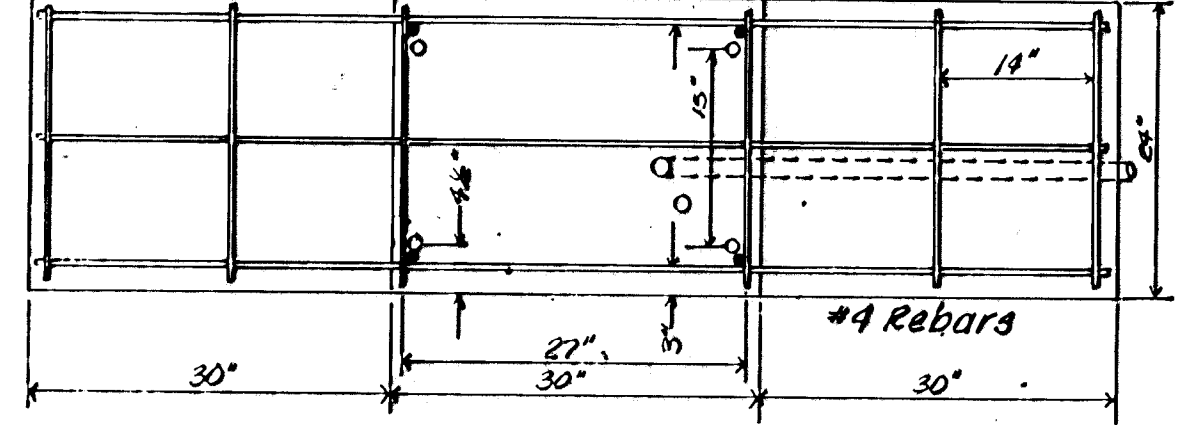
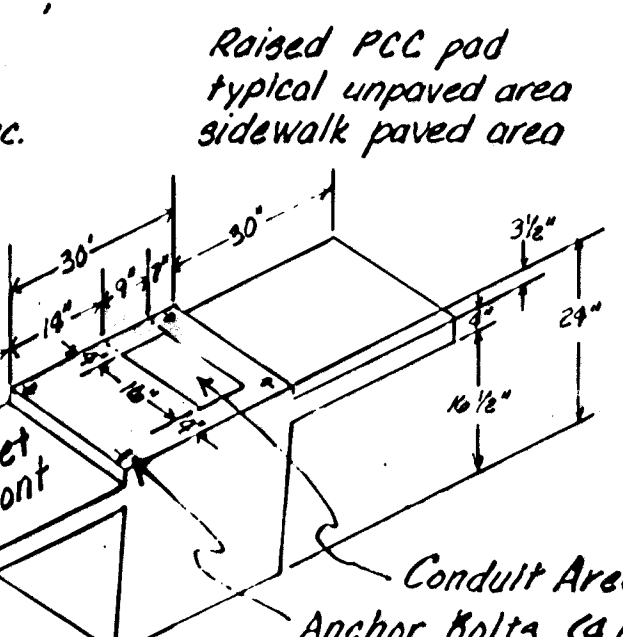
CONTROLLER PAD DETAILS FOR TYPE 170 CONTROLLER



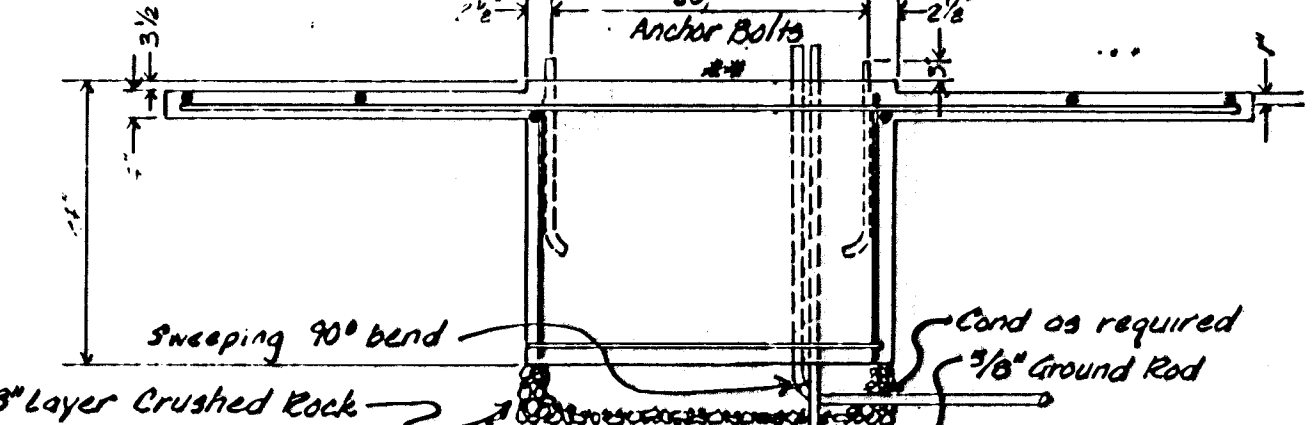
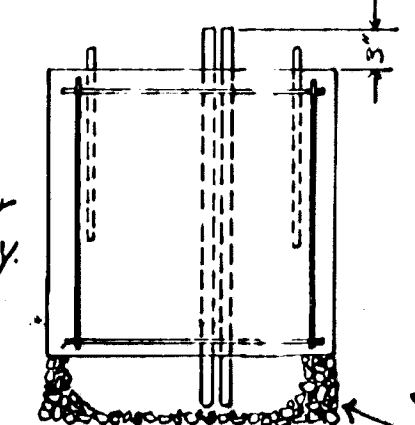
CONCRETE PAVEMENT
PERMANENT



ASPHALT SURFACE ON
CONCRETE BASE
PERMANENT



Anchor Bolts typ. (4ea, 3/4" x 15" x 2)



Top of Pad to be applied to drain.
** Duct Seal to be applied to conduit entrances

NOTES: * All Service Boxes And Junction Boxes Do Have 6" Min. Crushed Rock.

SERVICE BOX:

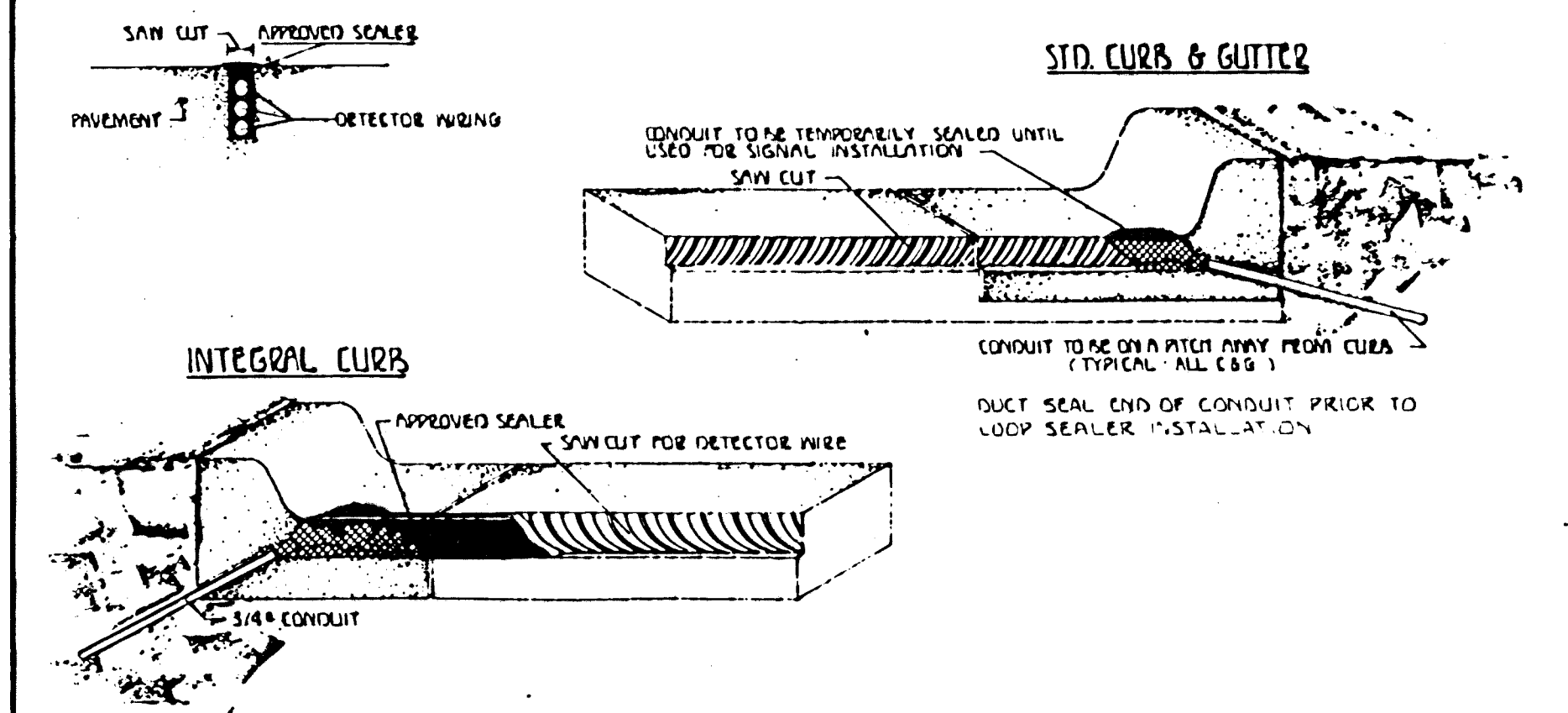
1. CONDUIT CONNECTION TO BE FLUSH TO WITHIN 5" OF INSIDE FACE OF SIDE WALL WITH ABILITY TO DRAIN CONDUIT INTO SERVICE BOX.
2. CONDUIT CONNECTIONS TO SERVICE BOX SHALL BE TERMINATED WITH PLASTIC CABLE BUSHING.
3. CONDUIT SHALL BE SEALED WITH APPROVED SEALER AT INSIDE WALL FACE.
4. A PRE-CAST SERVICE BOX WITH OPEN BOTTOM WILL BE ACCEPTED AS ALTERNATE, SUBJECT TO APPROVAL BY ENGINEER.

JUNCTION BOX:

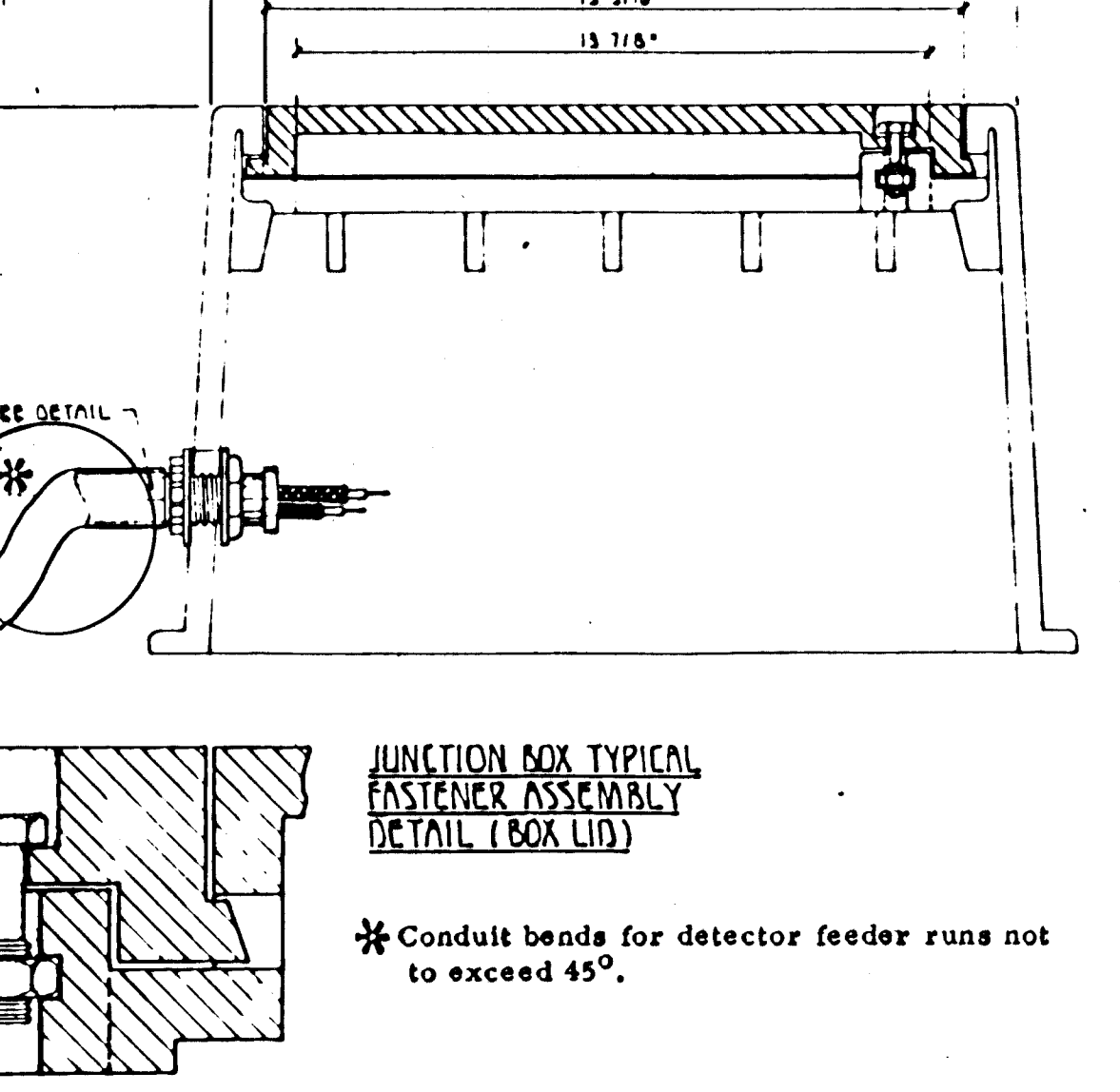
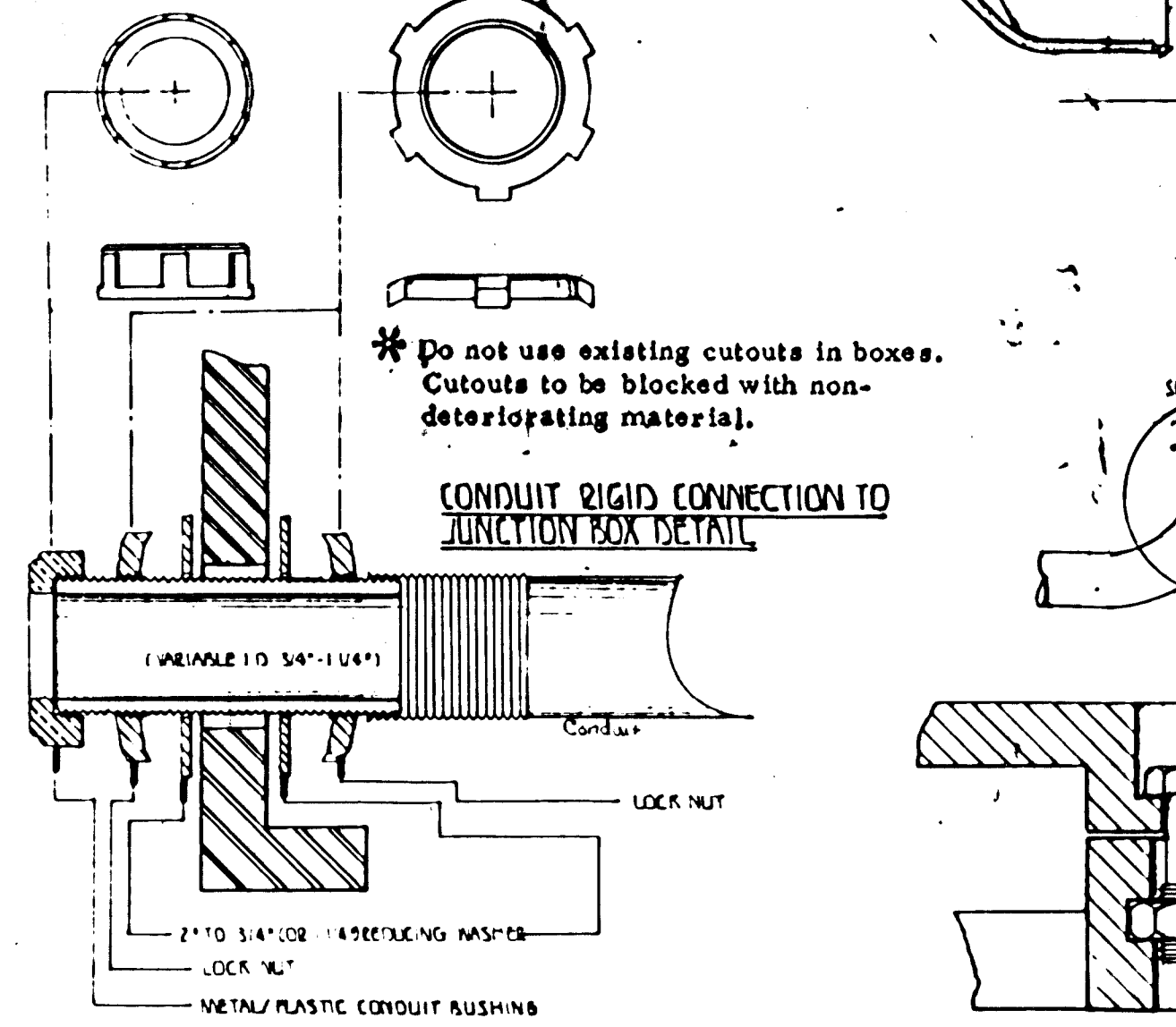
1. BOX TO BE INSTALLED FLUSH WITH GROUND LEVEL (VARIABLE WITH BOX HEIGHT.)
2. A.B.S. (PLASTIC) JUNCTION BOX TO BE USED. OTHER DESIGNS OF SIMILAR SIZE & SHAPE MAY BE USED AS ACCEPTABLE ALTERNATIVE, SUBJECT TO APPROVAL.

TRENCHING:

1. CONDUIT DEPTH TO BE 30" MINIMUM AS SHOWN WITH ROCK & STURBLE-FREE BACKFILL TO SERVE AS BEDDING MAT'L. 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.
3. SLOPE CONDUIT TO DRAIN AS DIRECTED BY THE ENGINEER.
4. 3" RIGID GALV. STL. CONDUIT - BETWEEN SERV. BOXES.
1-1/4" - BTWN. 3/8" & JUNC. BOXES
3/4" - BTWN. J/BS & CURB FACE



• CONDUIT/DETECTOR WIRE INSTALLATION DETAILS •



REVISION	DATE	COMMENTS
1	10/1/88	Initial Design
2	10/1/88	Revised Conduit Depth
3	10/1/88	Revised Conduit Depth

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

PROJECT NUMBER

BOOK NO. APPROVED BY DATE: AUG. 03
DRAWN BY SEAL REVISION

CITY OF WICHITA
DEPARTMENT OF PUBLIC WORKS

TRAFFIC ENGINEERING DIVISION SCALE
WM G. WINKLEY TRAFFIC ENGINEER NO SCALE