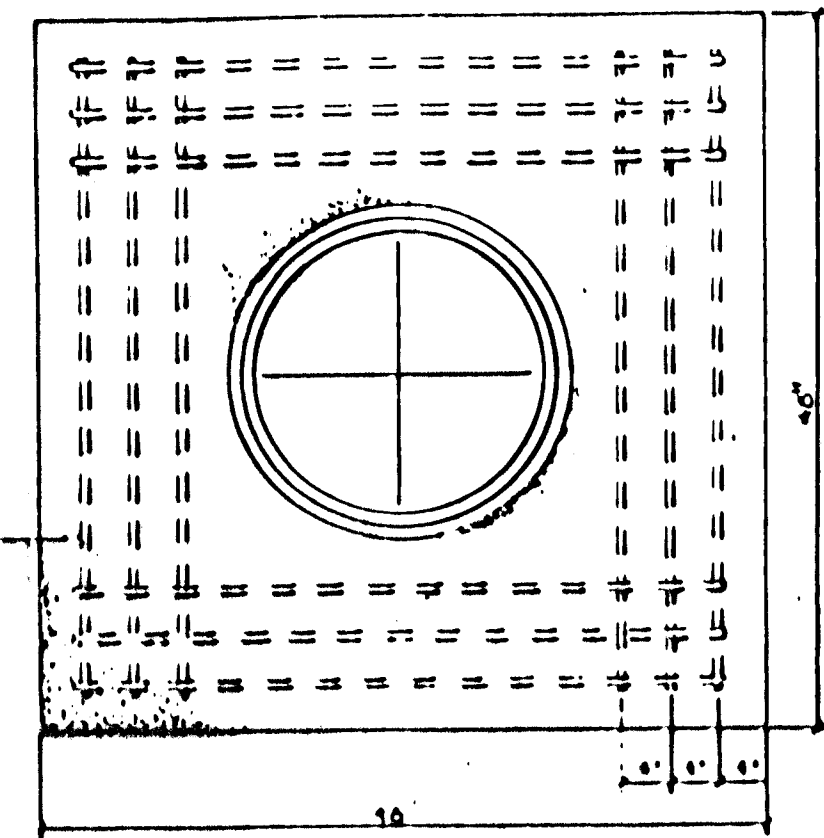
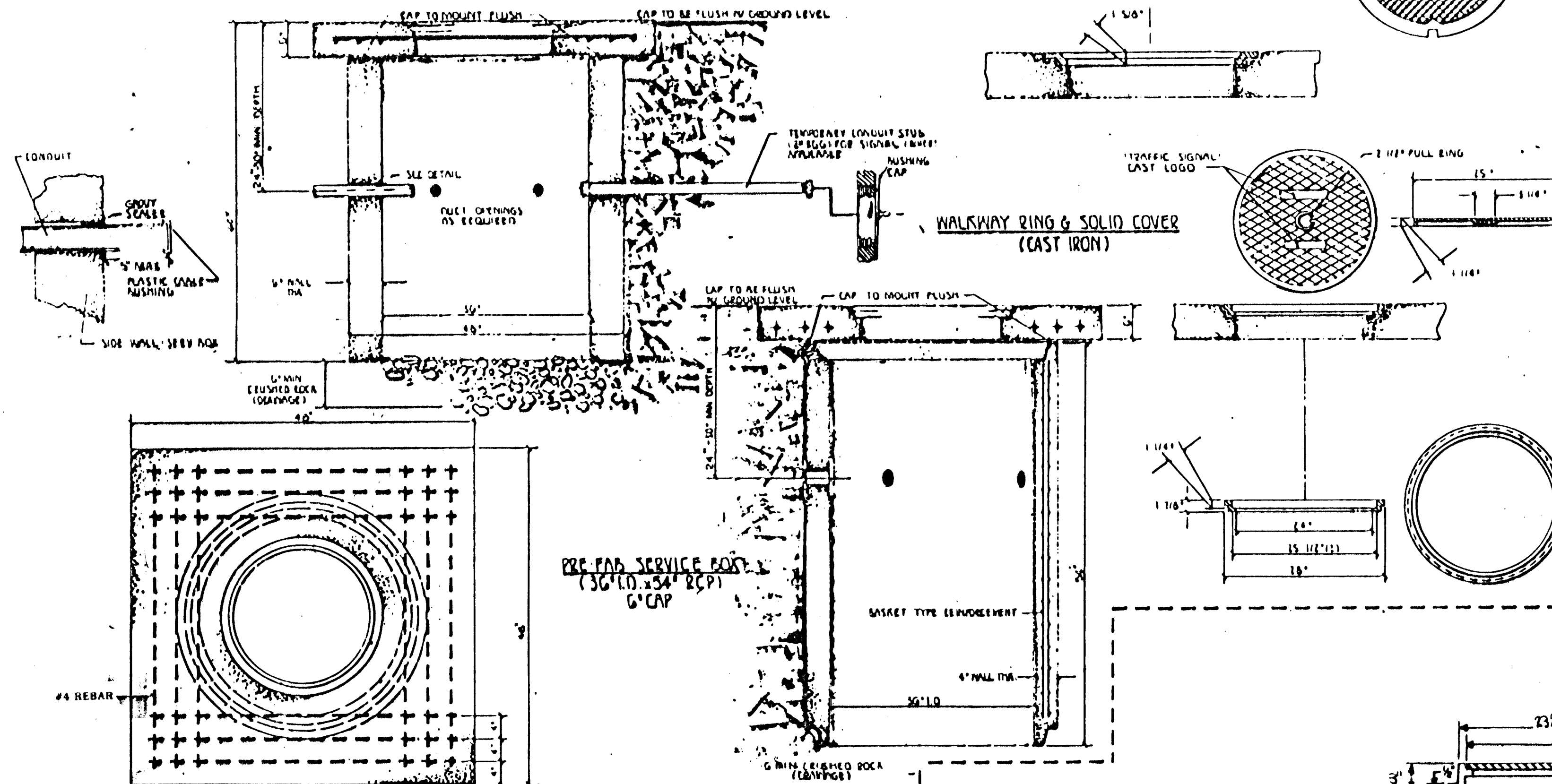
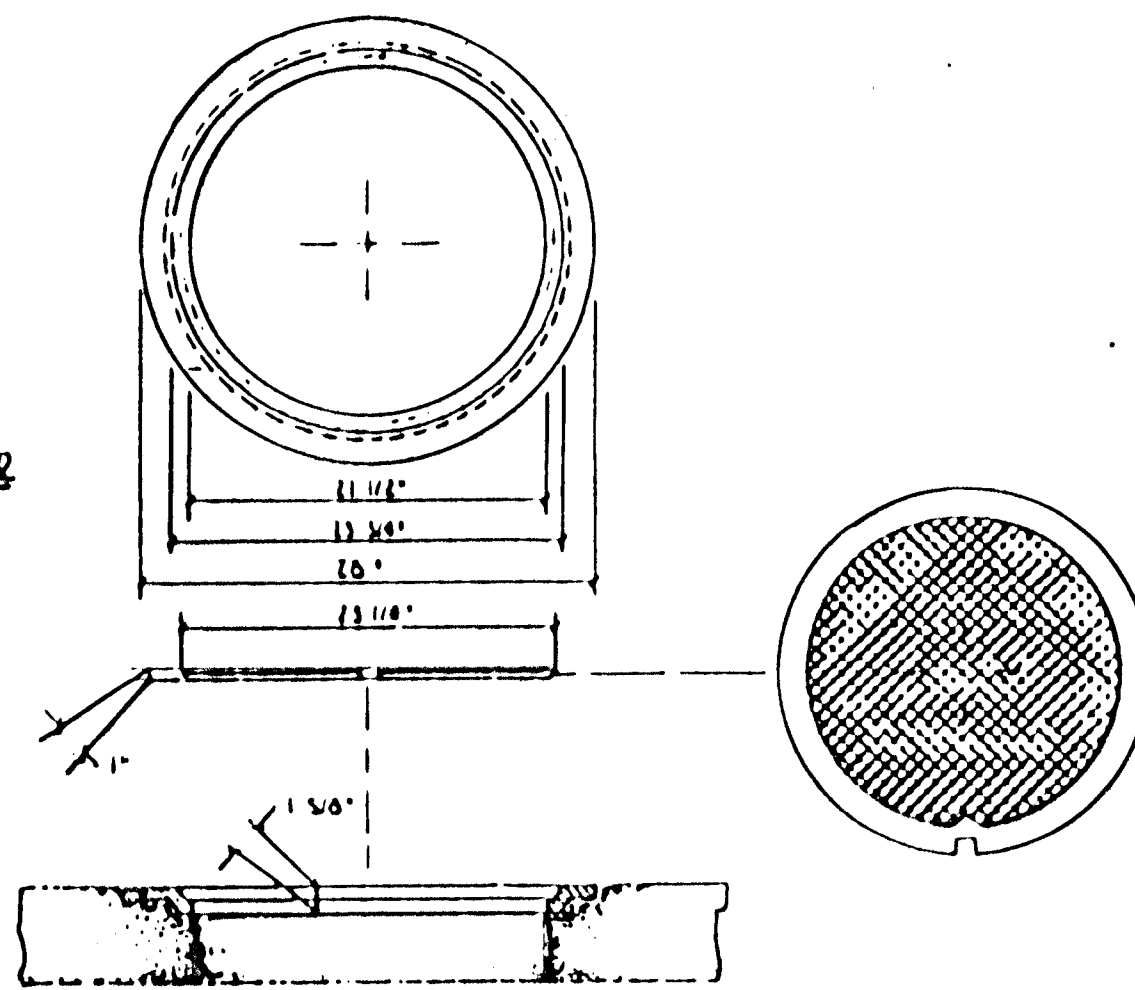


• SERVICE BOX CONSTRUCTION / INSTALLATION DETAILS •

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

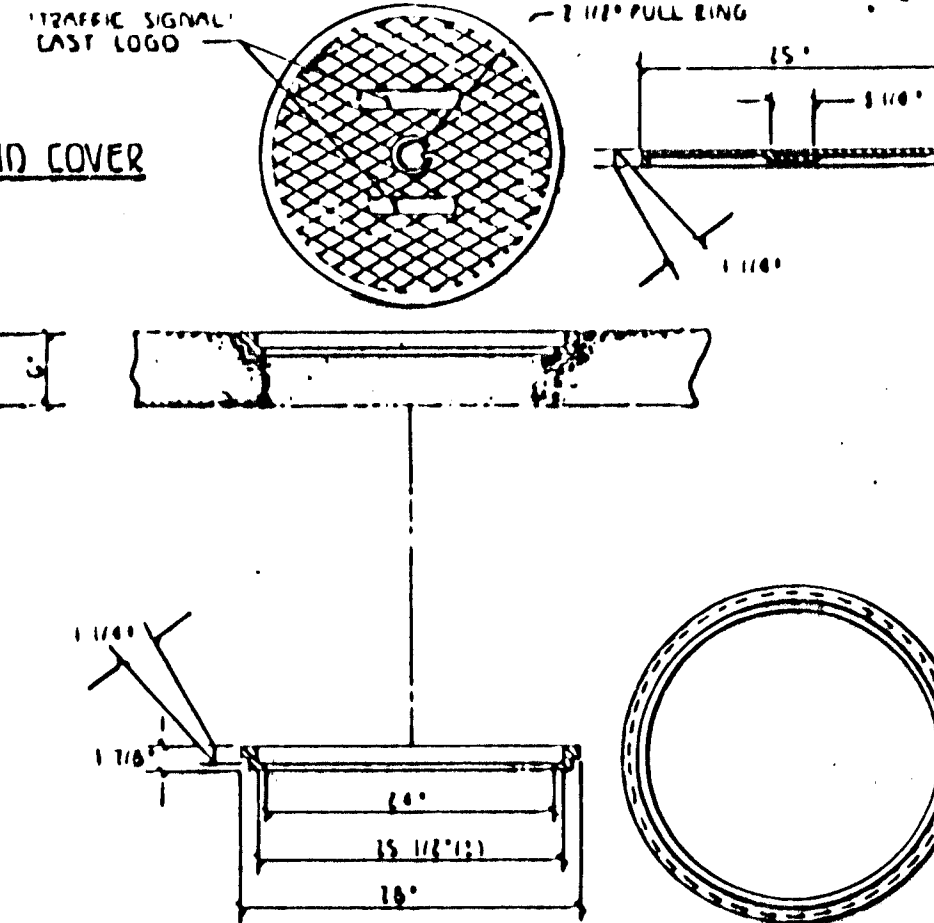


MANHOLE RING & SOLID COVER
(CAST IRON)



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

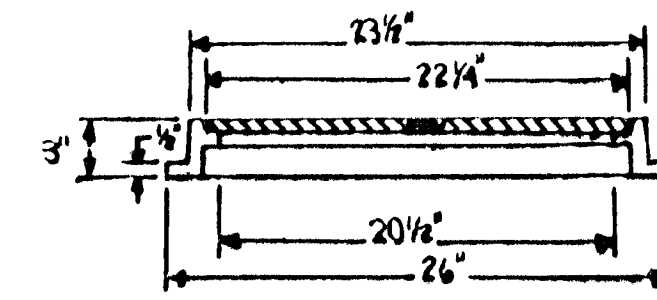
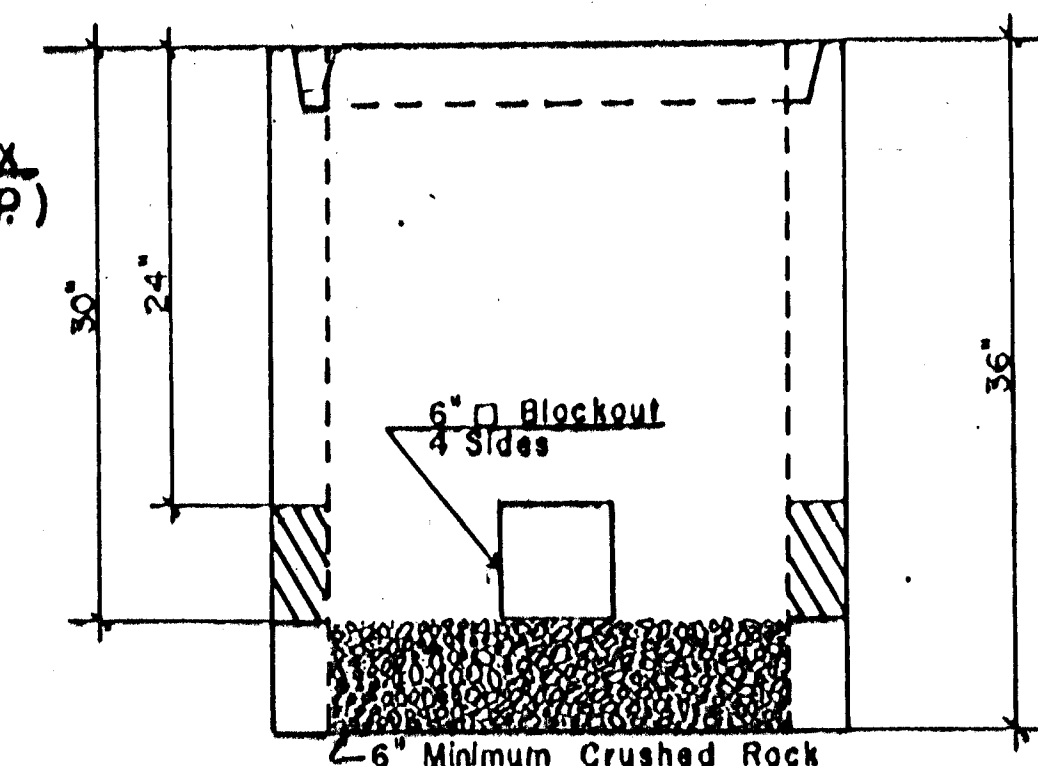
WALKWAY RING & SOLID COVER
(CAST IRON)



• JUNCTION BOX DETAILS •

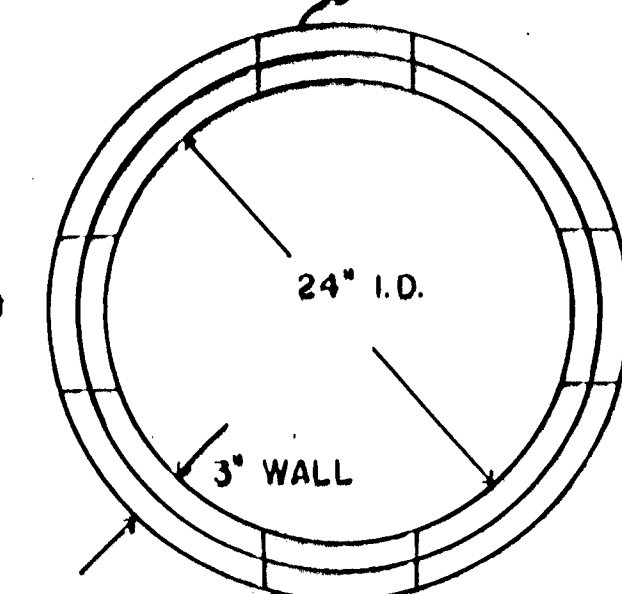
PRE-FAB Junction Box
(24" I.D. x 36" R.C.P.)

NOTE: Seal ring in junction box
with grout.

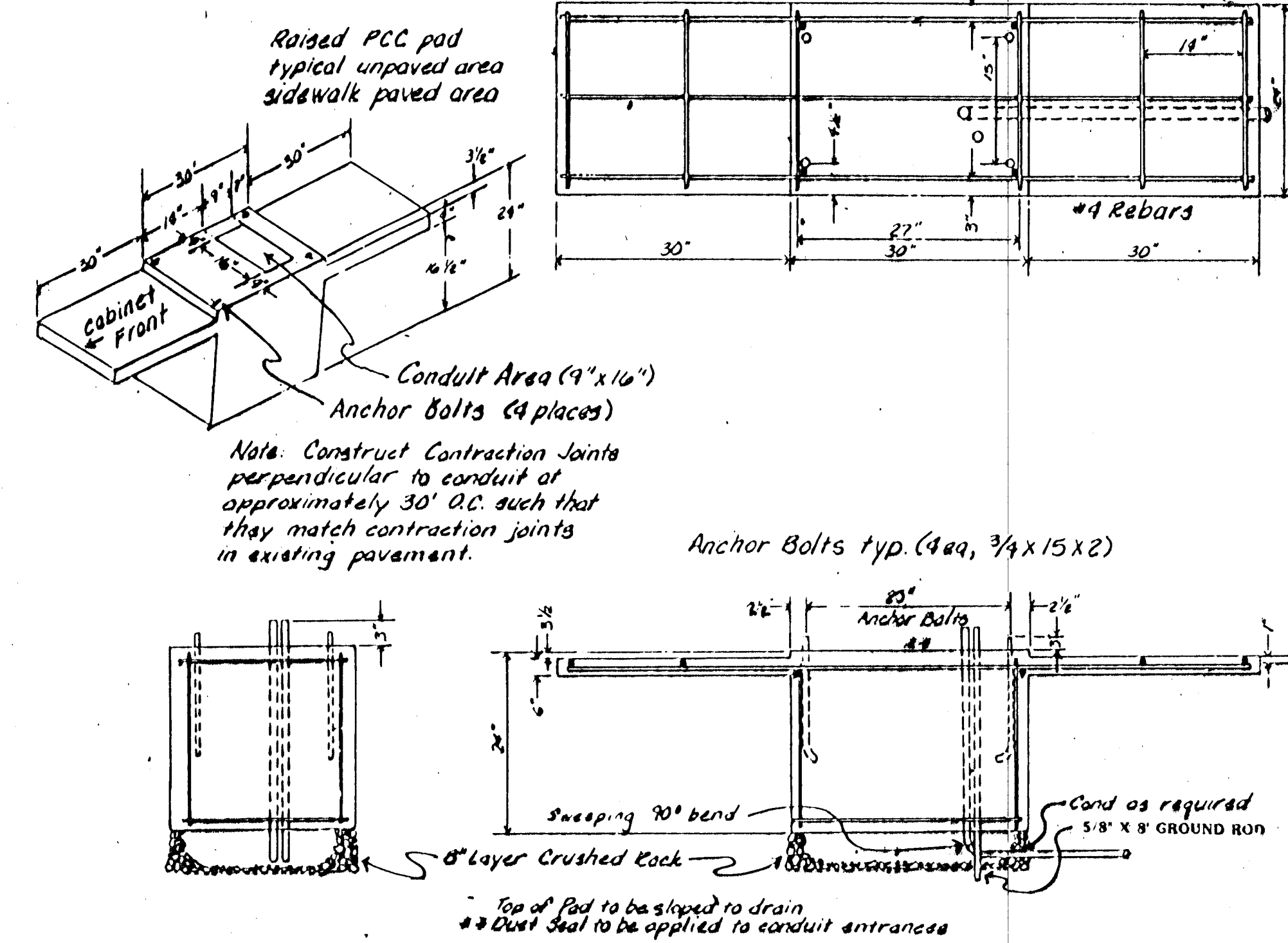


LIGHT DUTY

Typical 6" □ Blockout



CONTROLLER PAD DETAILS FOR TYPE 170 CONTROLLER



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

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

SERVICE BOX:

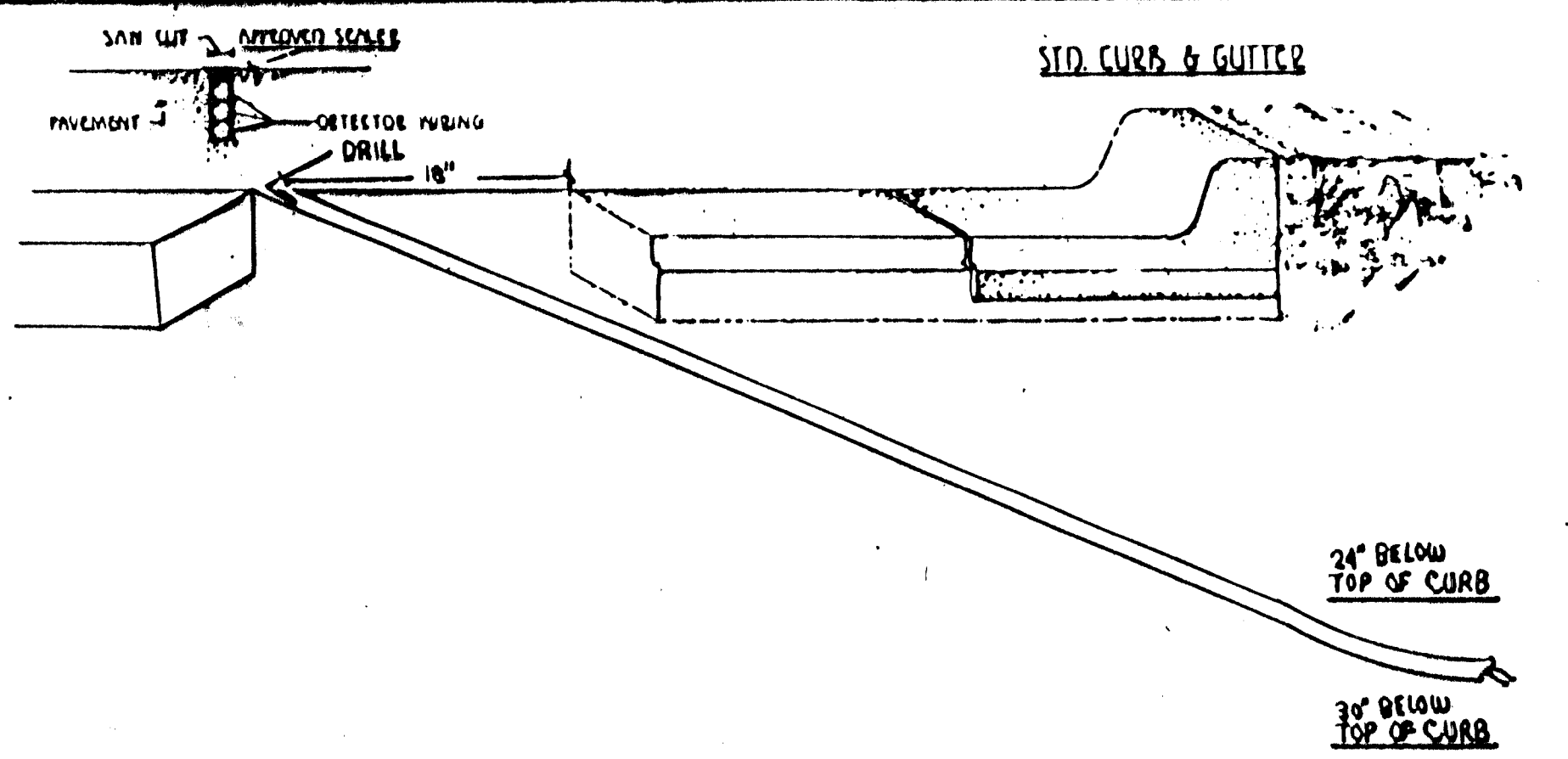
1. CONDUIT CONNECTION TO BE FLUSH TO WITHIN 5" OF INSIDE FACE OF SIDE WALL WITH ABILITY TO DRAIN CONDUIT INTO SERVICE BOX.
2. CONDUIT CONNECTIONS TO SERVICE BOX SHALL BE TERMINATED WITH PLASTIC CABLE BUSHING.
3. CONDUIT SHALL BE SEALED WITH APPROVED SEALER AT INSIDE WALL FACE.
4. A PRE-CAST SERVICE BOX 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. PRE-FAB (R.C.P.) 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 WITH ROCK & STURABLE 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" STWN. S/S & JUNC. BOXES
3/4" STWN. J/S & CURB FACE



CONDUIT/DETECTOR WIRE INSTALLATION DETAILS

+ Grout is to be 3 parts sand and 1 part cement with enough water for suitable mass.

REVISION DATE	REVISION'S	INT.
Apr. 88	Changed Controller Box	110
July 90	Changed Controller Box	110
Dec. 92	Added Rebar Detail	110
Apr. 93	Change Junction Box	110
Nov. 93	Added Grout Spec.	110
Jan. 95	Added #4 Rebar & 8" Grout, Red	110

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

PROJECT NUMBER
468-82138 & 472-82668

BOOK NO.	APPROVED BY	DATE AUG 03
DRAWN BY SEAL	REVISOR	
CITY OF WICHITA DEPARTMENT OF PUBLIC WORKS		
TRAFFIC ENGINEERING DIVISION		
WM G. WHITLEY, TRAFFIC ENGINEER		
SCALE NO SCALE		