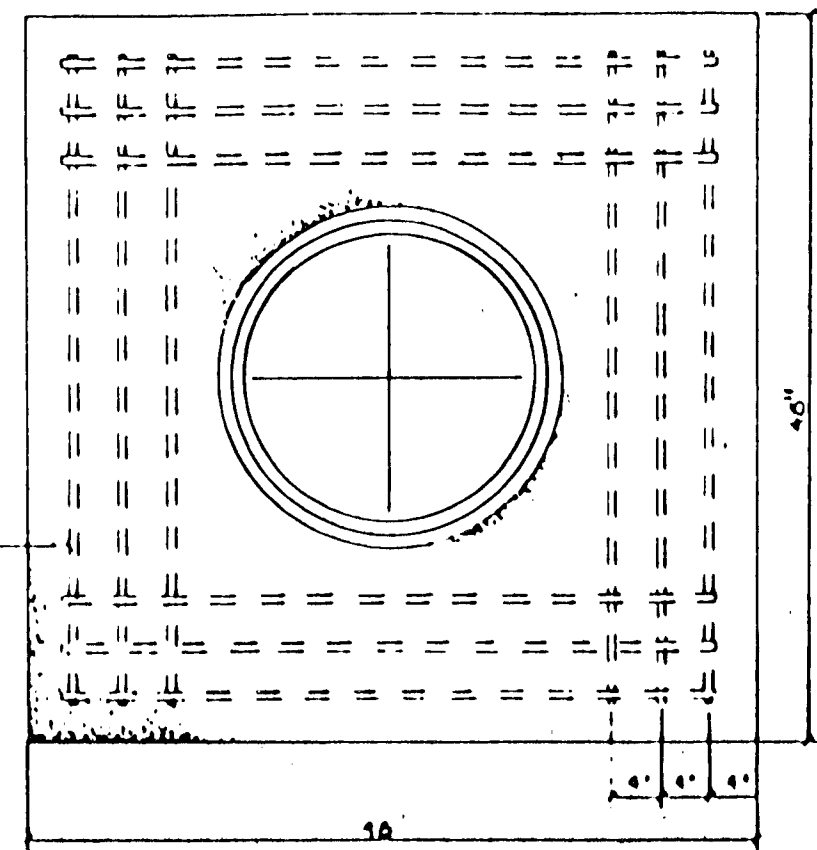


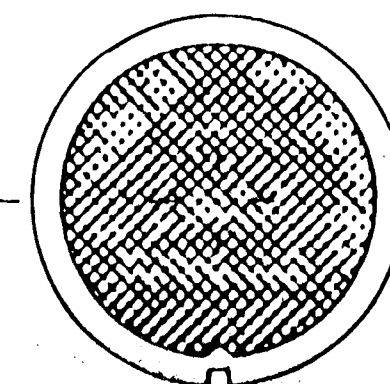
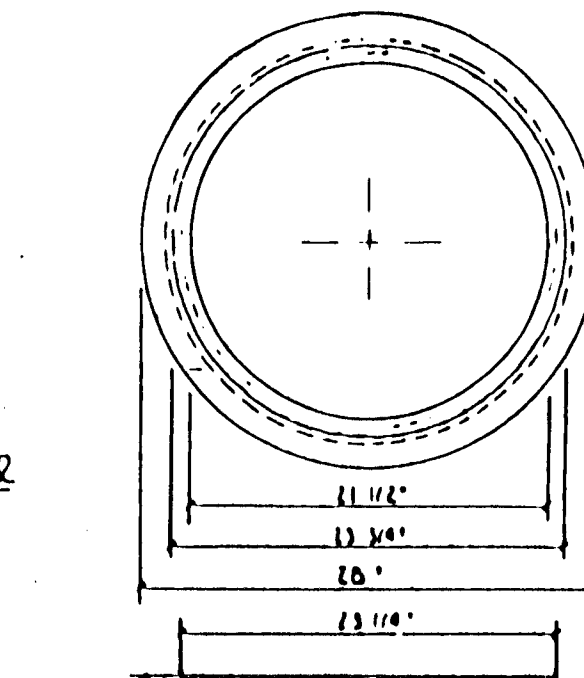
SERVICE BOX CONSTRUCTION / INSTALLATION DETAILS

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

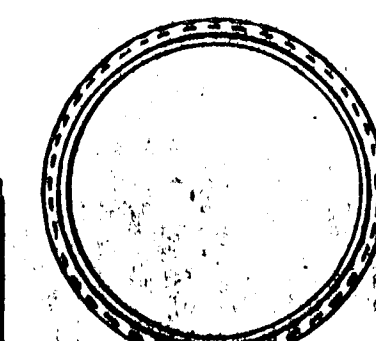
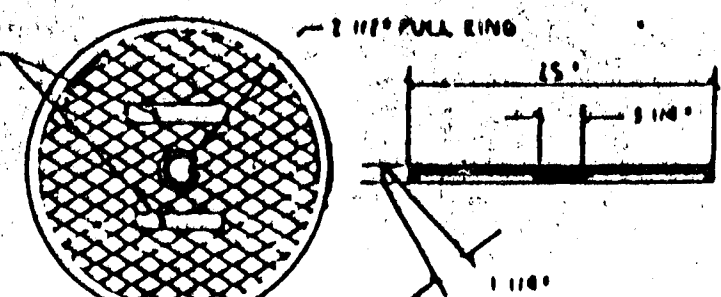
1/2" REBAR @ 4" (TYP.)
SEE VIEW



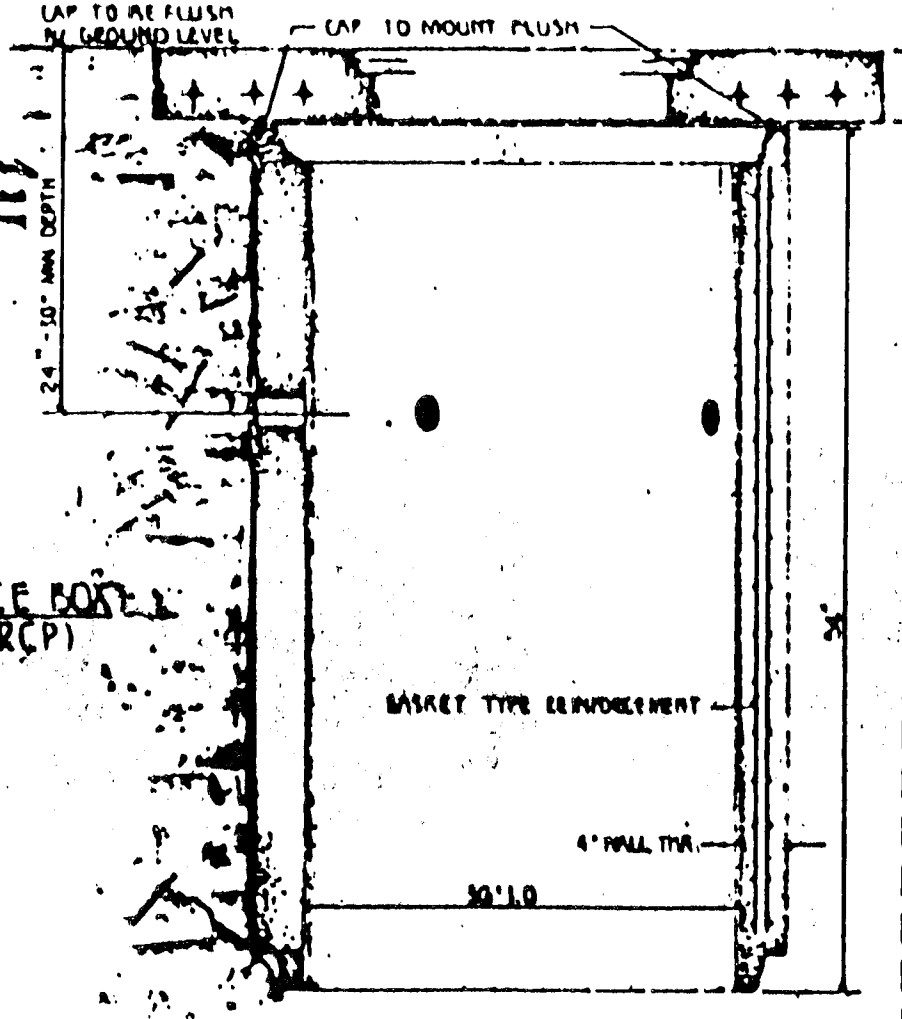
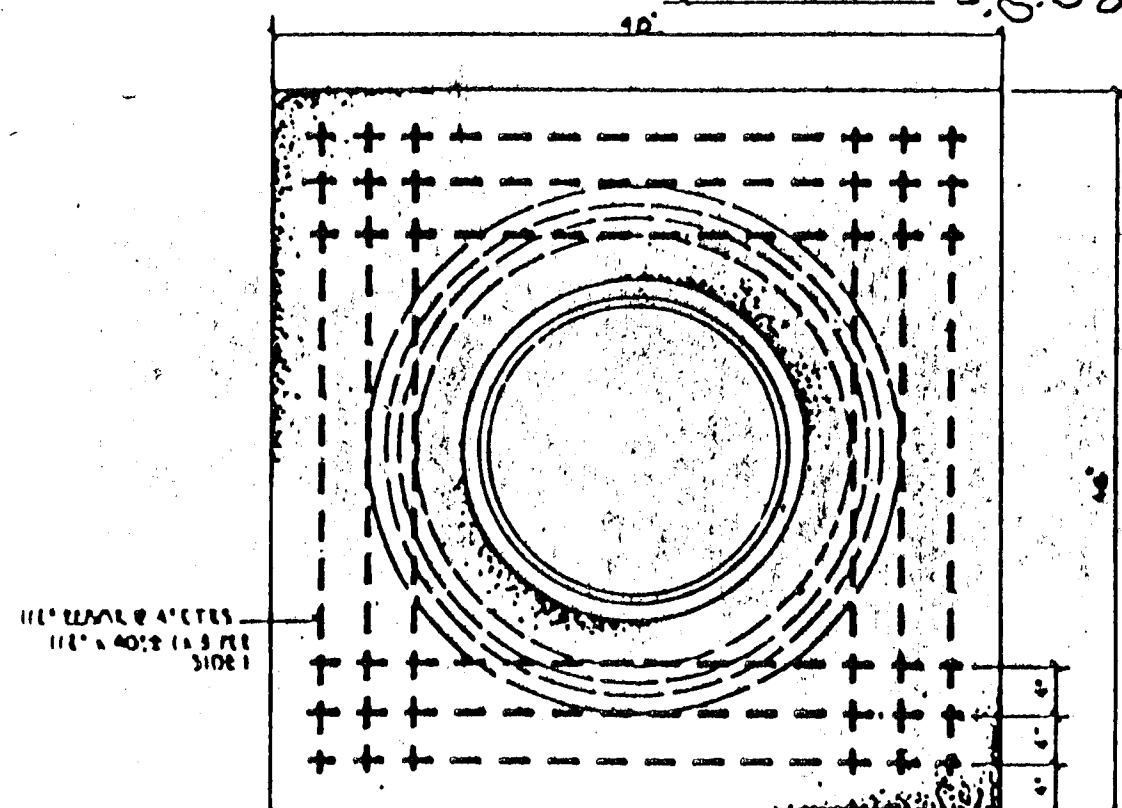
MANHOLE RING & SOLID COVER
(CAST IRON)



WALKWAY RING & SOLID COVER
(CAST IRON)

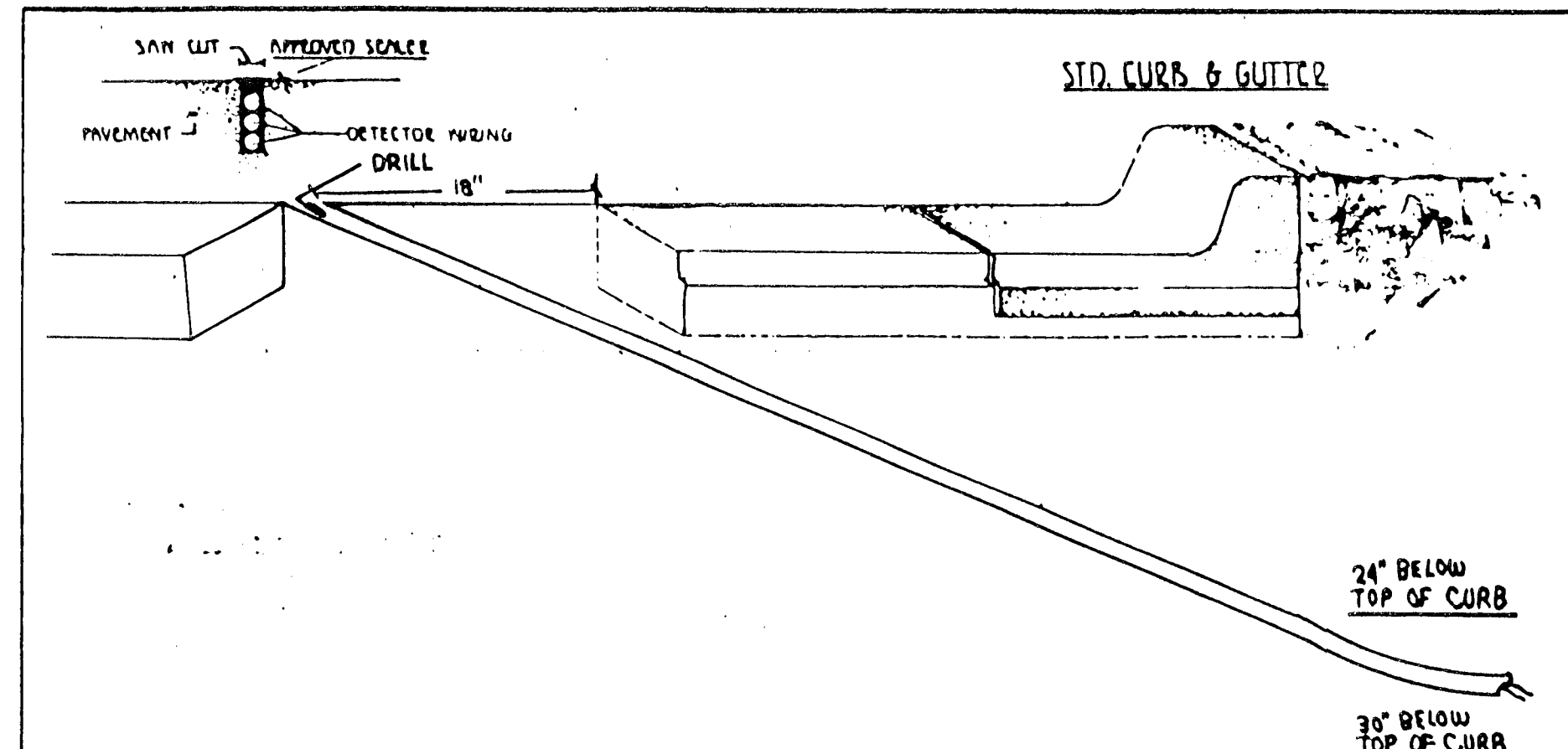


PRE-FAB SERVICE BOX
(36" I.D. x 54" R.C.P.)
6" CAP

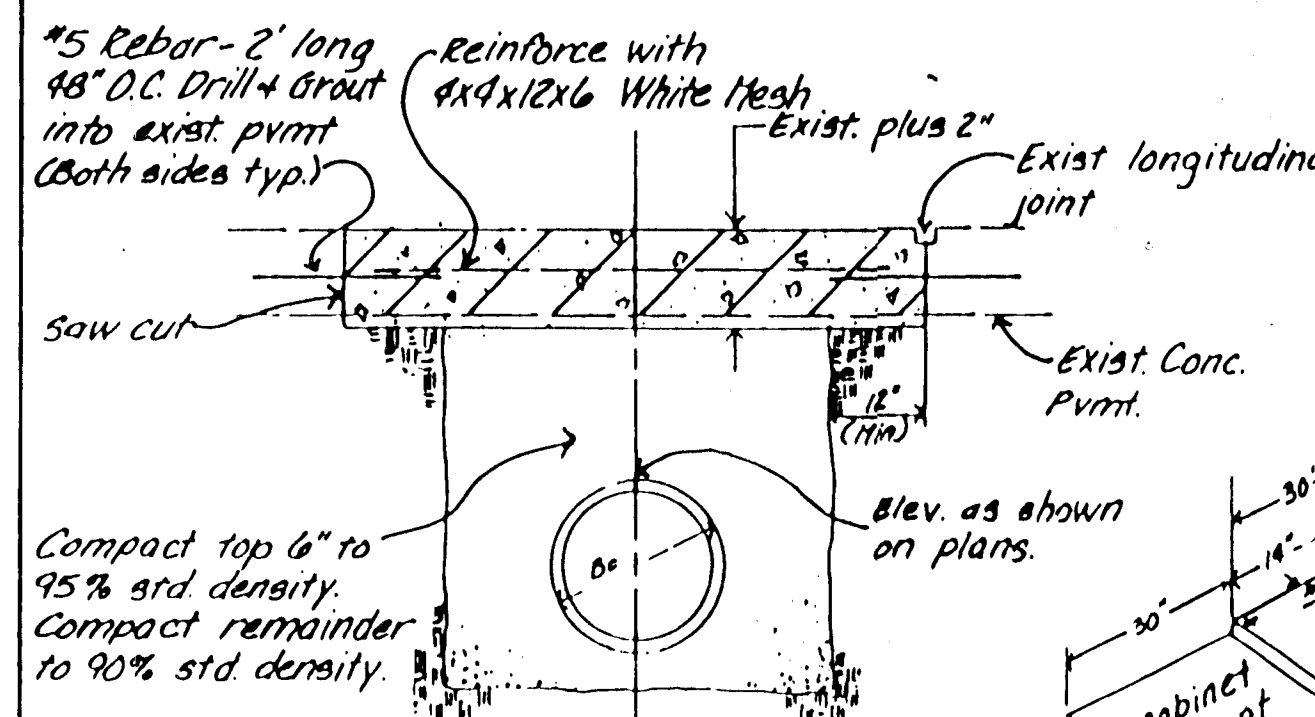


BASKET TYPE REINFORCEMENT

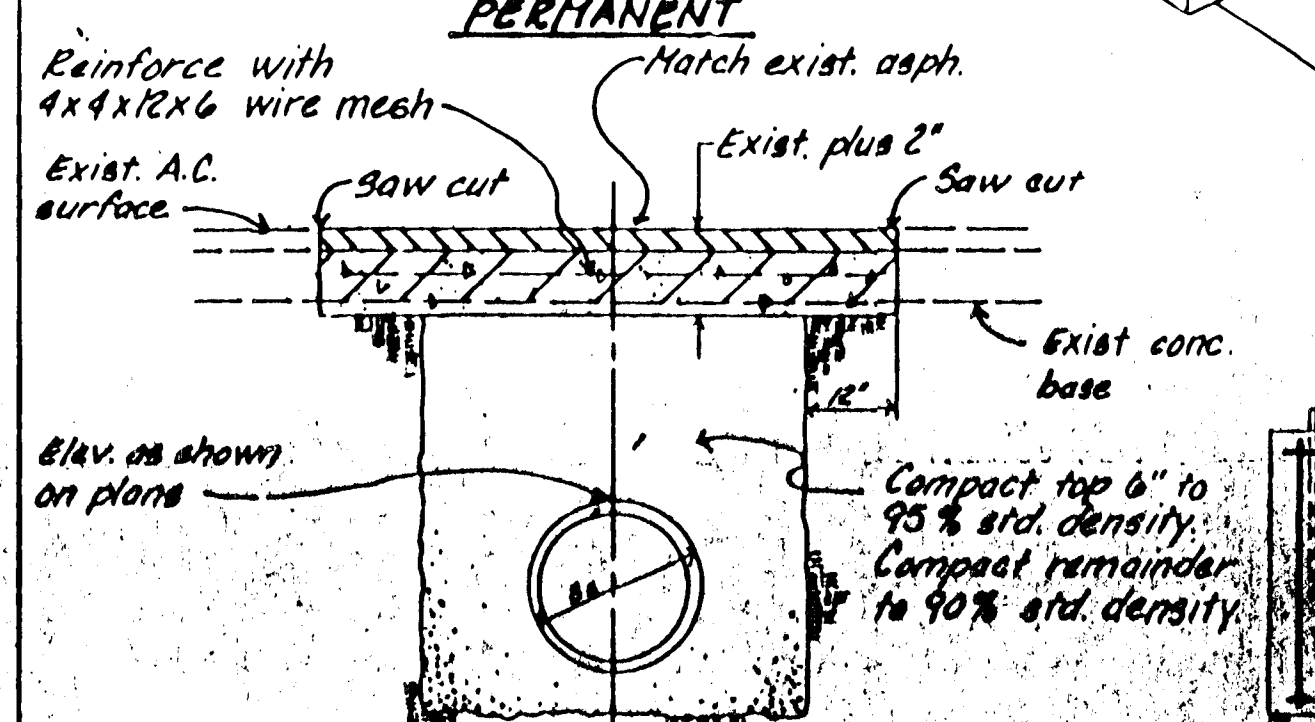
6" MIN. CRUSHED ROCK (DRAINAGE)



CONDUIT/DETECTOR WIRE INSTALLATION DETAILS



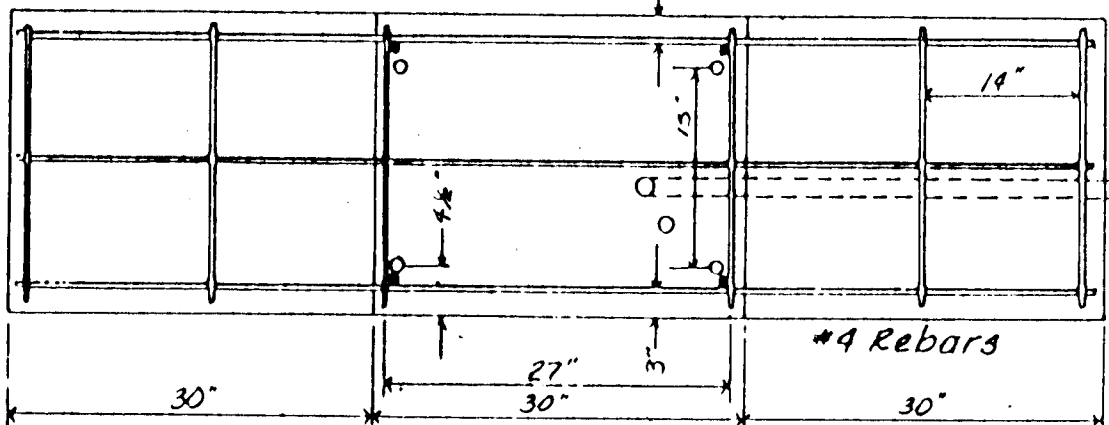
CONCRETE PAVEMENT
PERMANENT



ASPHALT SURFACE ON
CONCRETE BASE
PERMANENT

CONTROLLER PAD DETAILS FOR
TYPE 170 CONTROLLER

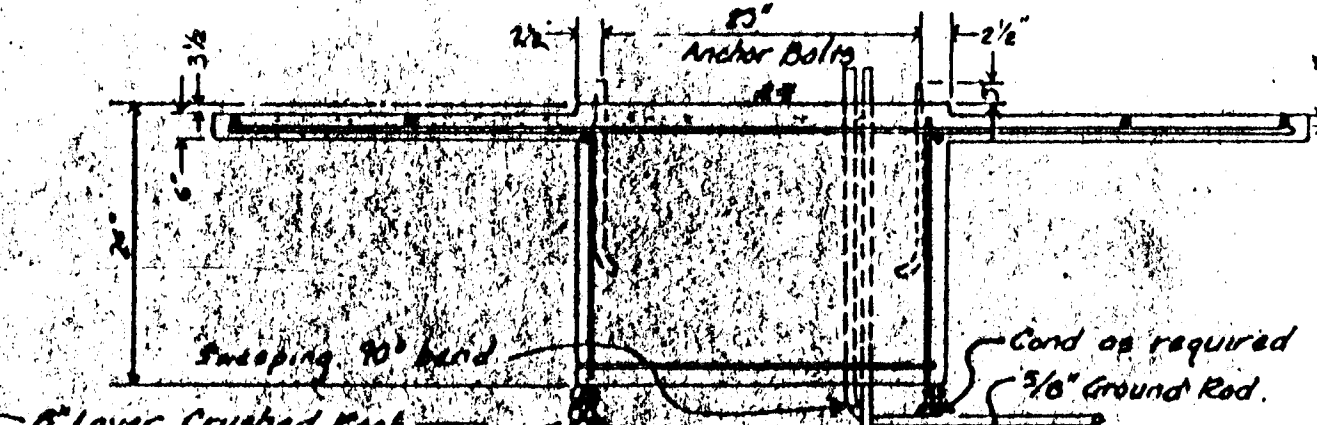
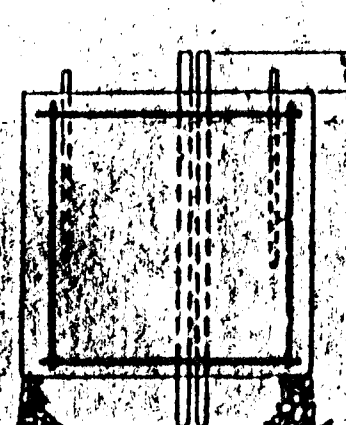
Raised PCC pad
typical unpaved area
sidewalk paved area



Conduit Area (9"x16")
Anchor Bolts (4 places)

Note: Construct Contraction Joints
perpendicular to conduit at
approximately 30' O.C. such that
they match contraction joints
in existing pavement.

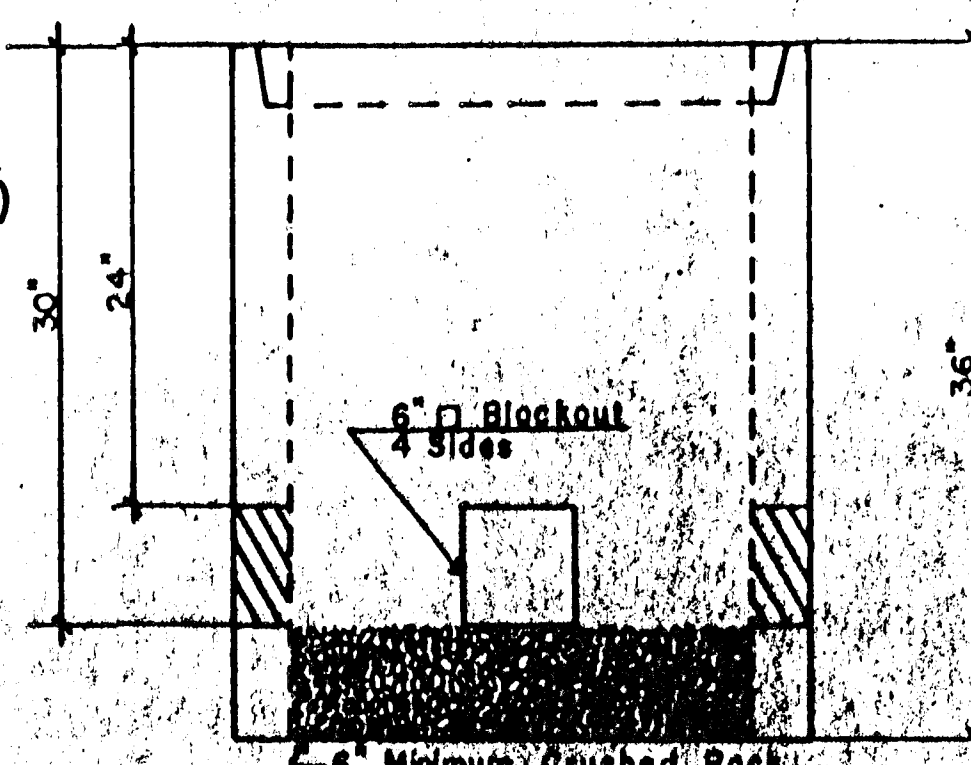
Anchor Bolts typ. (4 ea, 3/4 x 15 x 2)



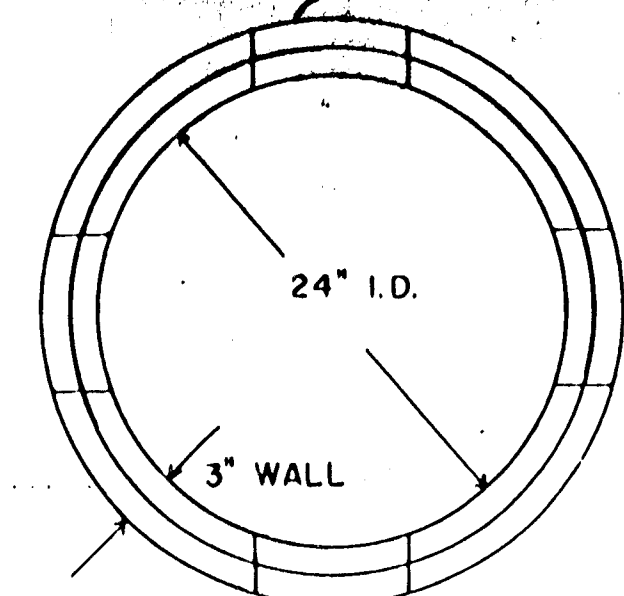
JUNCTION BOX DETAILS

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

NOTE: Grout ring in junction box.



W2.0 x W2.0, 3" x 6"
Welded Wire Fabric



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

SERVICE BOX

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

JUNCTION BOX

- BOX TO BE INSTALLED FLUSH WITH GROUND LEVEL (VARIABLE WITH BOX HEIGHT).
- PRE-FAB (R.C.P.) JUNCTION BOX TO BE USED. OTHER DESIGNS OR SIMILAR SIZE & SHAPE MAY BE USED AS ACCEPTABLE ALTERNATIVE SUBJECT TO APPROVAL.

TRENCHING

- CONDUIT DEPTH TO BE 30" MINIMUM AS SHOWN WITH ROCK & STUBBLE FREE BACKFILL TO SERVE AS BEDDING MAT'L. MAINTAIN MINIMUM CONDUIT DEPTH IN TRENCH.
- BACKFILL TO BE COMPACTED IN 6" LOOSE LIFTS BY HAND OR MECHANICAL TAMPING TO A 95% STANDARD DENSITY.
- SLOPE CONDUIT TO DRAIN AS DIRECTED BY THE ENGINEER.
- 3" RIGID GALV. STL. CONDUIT - BETWEEN SERV. BOXES 1 1/4" - BTWN. S/B & JUNC. BOXES 3/4" - BTWN. J/B & CURB FACE

REVISION DATE	COMMENTS	INT.
Rev. 10	Change Controller Box	NO
Rev. 11	Change Conduit Depth	YES
Rev. 12	Change Conduit Depth	YES
Rev. 13	Change Junction Box	YES

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

PROJECT NUMBER

BOOK NO.	APPROVED BY	DATE
DRAWN BY	SEAL	AUG 03
		REVISED

CITY OF WICHITA
DEPARTMENT OF PUBLIC WORKS
TRAFFIC ENGINEERING DIVISION

WM G. MCKINLEY TRAFFIC ENGINEER