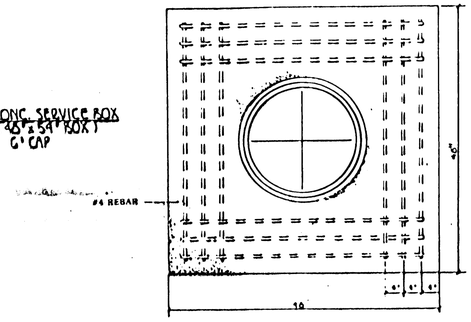
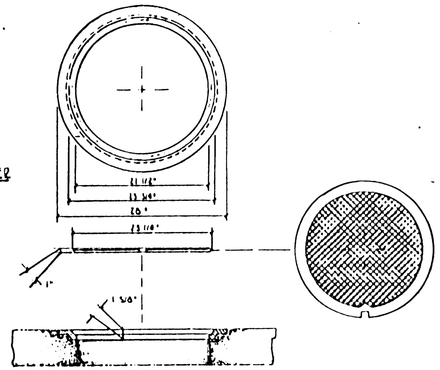
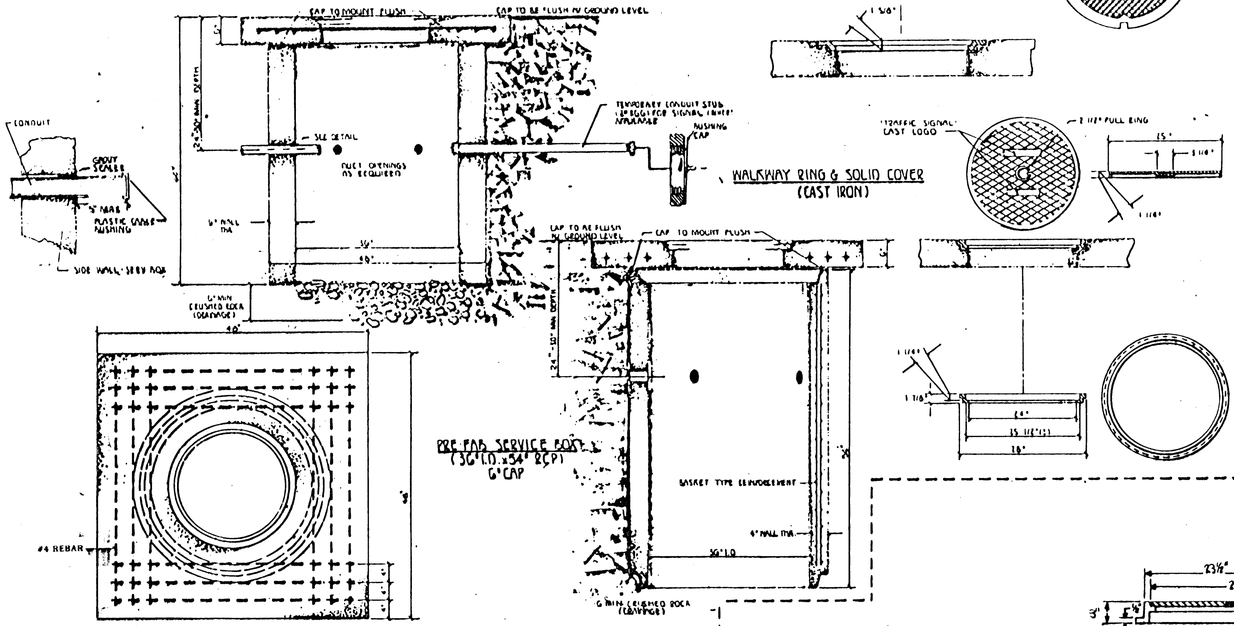
· SERVICE BOX CONSTRUCTION / INSTALLATION DETAILS ·

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

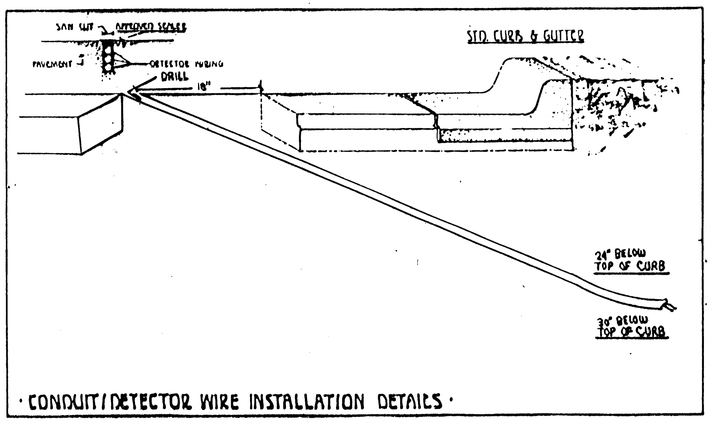


MANHOLE RING & SOLID COVER
(CAST IRON)





WALKWAY RING & SOLID COVER
(CAST IRON)

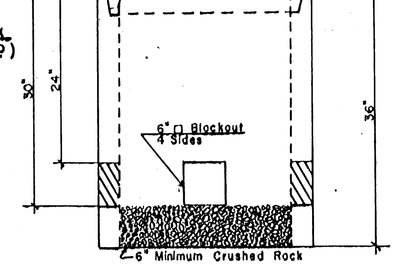


· CONDUIT / DETECTOR WIRE INSTALLATION DETAILS ·

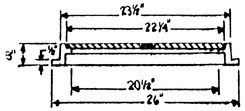
· JUNCTION BOX DETAILS ·

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

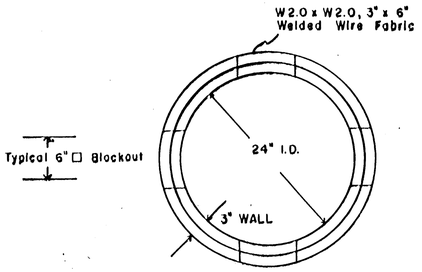
NOTE: Seal ring in junction box with grout +



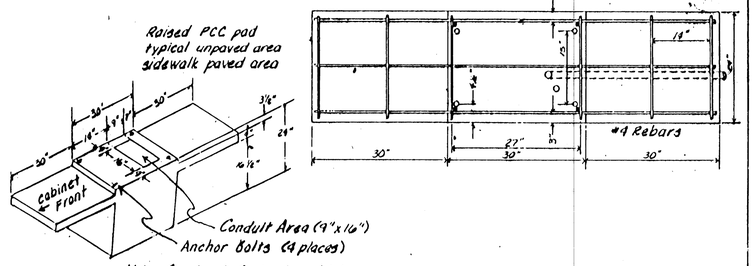
+ Grout is to be 3 parts sand and 1 part cement with enough water for suitable mastic.



LIGHT DUTY

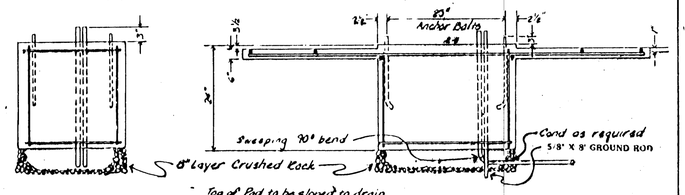


CONTROLLER PAD DETAILS FOR TYPE 170 CONTROLLER



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 eq, 3/4 x 15 x 2)



Top of Pad to be sloped 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. 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 & STUBBLE 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. S/B & JUNC. BOXES
   3/4" " " " " · BTWN. J/B & CURB FACE

REVISION DATE	COMMENTS	INT.
Nov. '88	Changed Controller Box	JW
Oct. '89	Changed conduit depth	WGS
Mar. '91	Changed Anchor Bolt Details	WGS
Nov. '92	Change Junction Box	JWB
Nov. '93	Added grout spec.	JWB
Jan. '95	Added #4 Rebar & Ground Rod	TM

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

PROJECT NUMBER
468-82138 & 472-82668

BOOK NO: | APPROVED BY | DATE AUG 83
DRAWN BY SEAL | REVISED

CITY OF WICHITA
DEPARTMENT OF PUBLIC WORKS
TRAFFIC ENGINEERING DIVISION
WM G. MCKINLEY TRAFFIC ENGINEER
SCALE NO SCALE