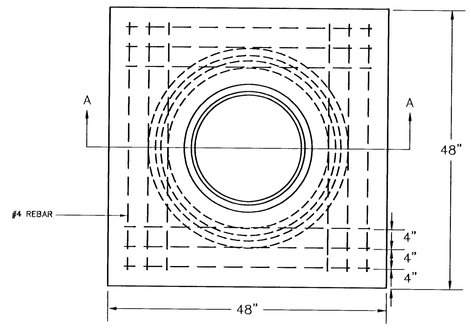
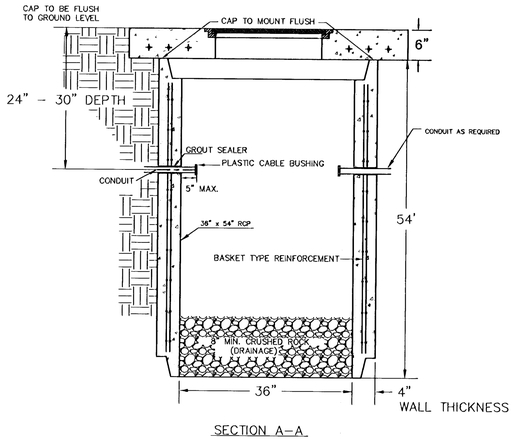
SERVICE BOX CONSTRUCTION/INSTALLATION DETAILS

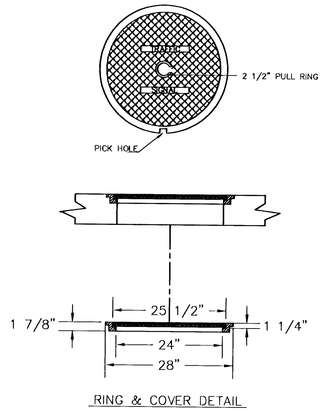


PRE-CAST CONCRETE
SERVICE BOX

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

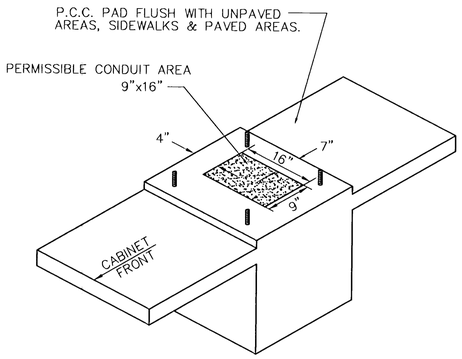


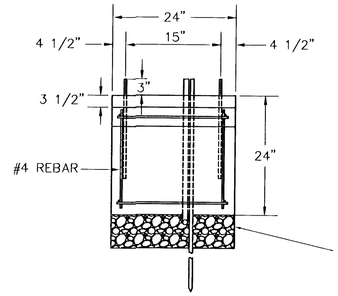
SECTION A–A

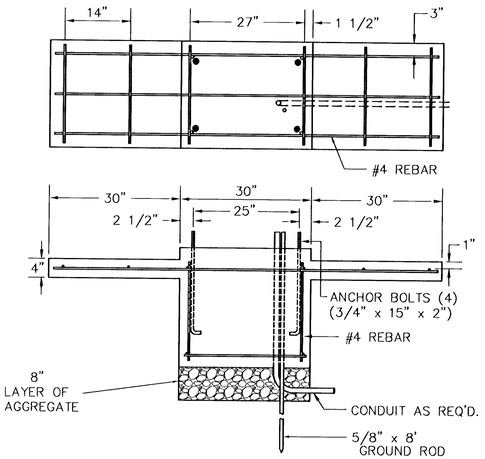


RING & COVER DETAIL

170 CONTROLLER PAD DETAILS

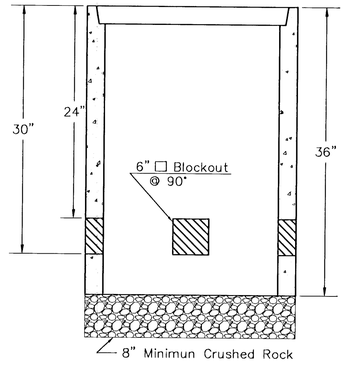




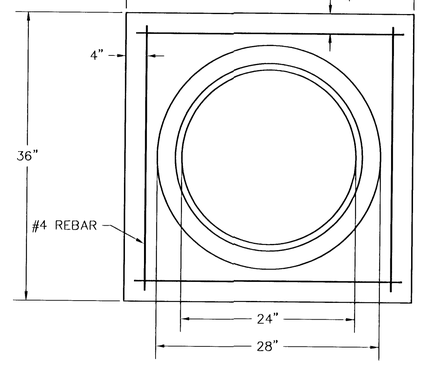


JUNCTION BOX DETAILS

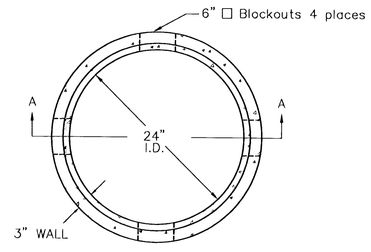
PRE-FAB Junction Box
(24" I.D. X 36" R.C.P.)



SECTION A–A



JUNCTION BOX CAP
36" x 36" x 6"
TOP OF CAP TO BE FLUSH WITH GROUND LEVEL.



NOTES:

SERVICE & JUNCTION BOX:

1. CONDUIT CONNECTION TO BE FLUSH TO WITHIN 5" 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 8" OF CRUSHED ROCK.

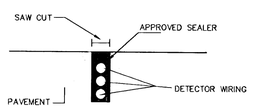
TRENCHING:

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.

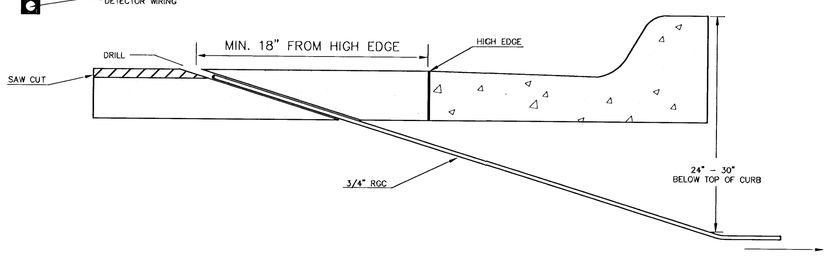
CONDUIT:

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

CONDUIT/DETECTOR WIRE INSTALLATION DETAILS



STD. CURB & GUTTER



**SEE SERVICE BOX INSTALLATION FOR RING & COVER DETAILS.

REV. DATE	COMMENTS	INT

SB-DTL 54/87

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

PROJECT NUMBER
472-82966

DRAWN BY: T.M.	APPROVED BY	REVISED:
DATE: Apr. 96		DATE:

CITY OF WICHITA
DEPARTMENT OF PUBLIC WORKS

TRAFFIC ENGINEERING DIVISION
WM. G. McKINLEY P.E. TRAFFIC ENGINEER

SCALE: NO SCALE

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