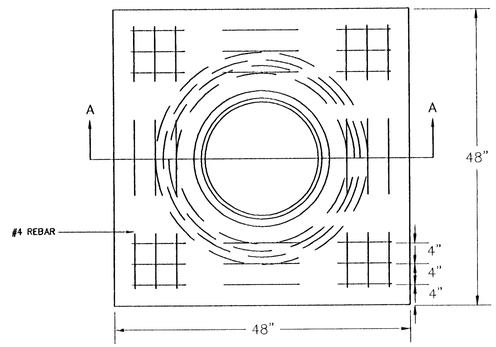
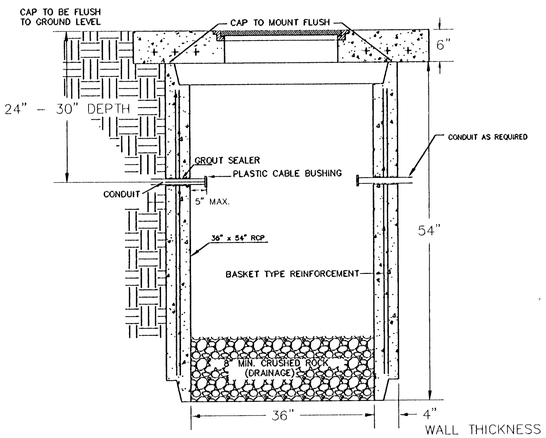
SERVICE BOX CONSTRUCTION/INSTALLATION DETAILS

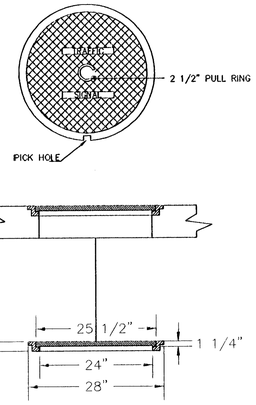


PRE-CAST CONCRETE
SERVICE BOX

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

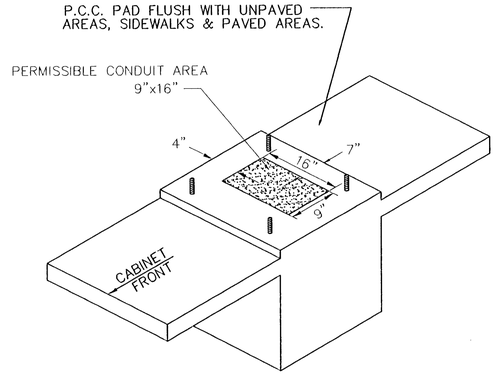


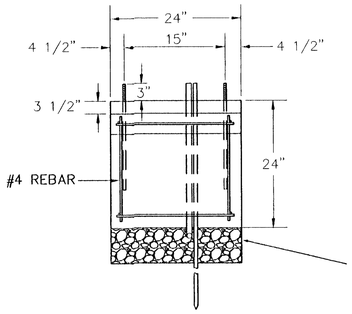
SECTION A-A



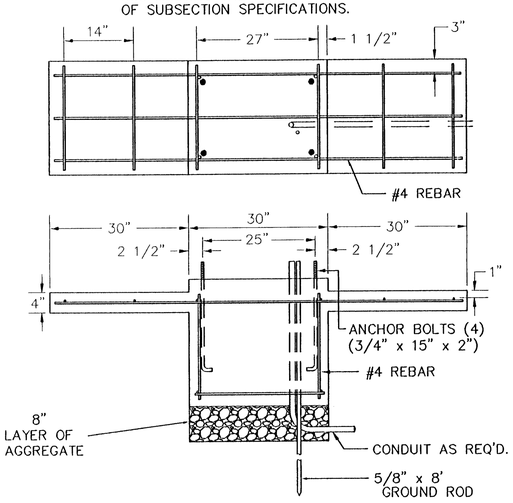
RING & COVER DETAIL

170 CONTROLLER PAD DETAILS



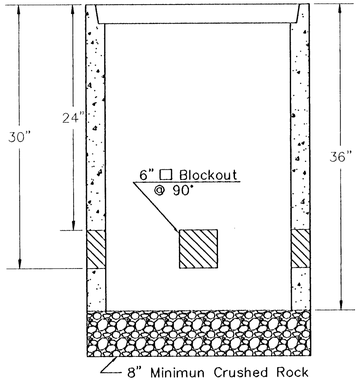


REBAR SHALL BE ASTM A615M GRADE
300 MEETING THE REQUIREMENTS
OF SUBSECTION SPECIFICATIONS.

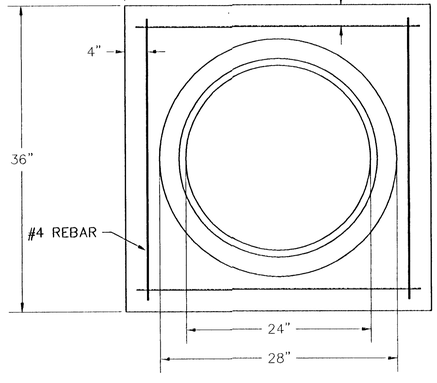


JUNCTION BOX DETAILS

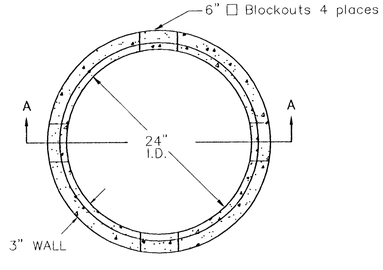
PRE-FAB Junction Box
(24" I.D. X 36" R.C.P.)



SECTION A-A



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



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

NOTES:

SERVICE & JUNCTION BOX:

1. CONDUIT CONNECTION TO BE FLUSH TO WITHIN 125 mm 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 200 mm OF CRUSHED ROCK.

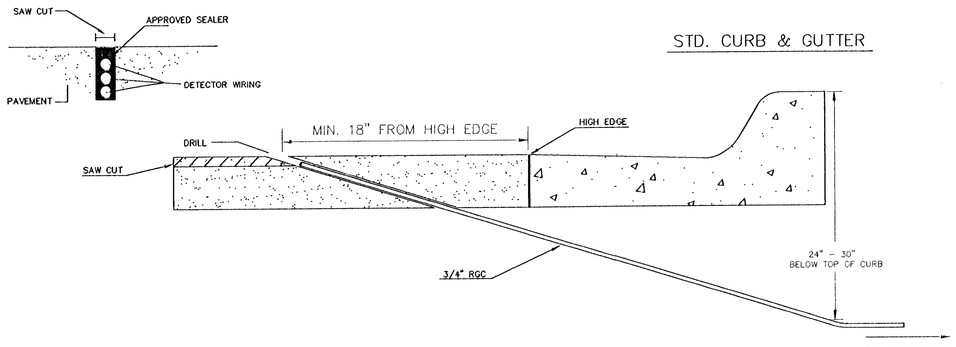
TRENCHING:

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.
   2" " " " BTWN. SERVICE BOX AND POLE.
   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

REV. DATE	COMMENTS	INT

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

PROJECT NUMBER
472-83609

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

D-6