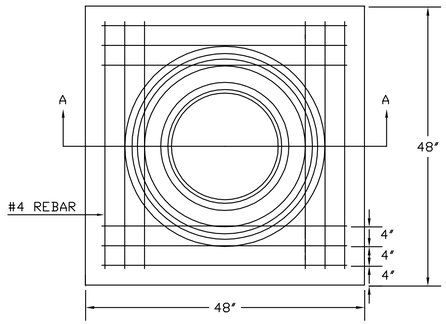
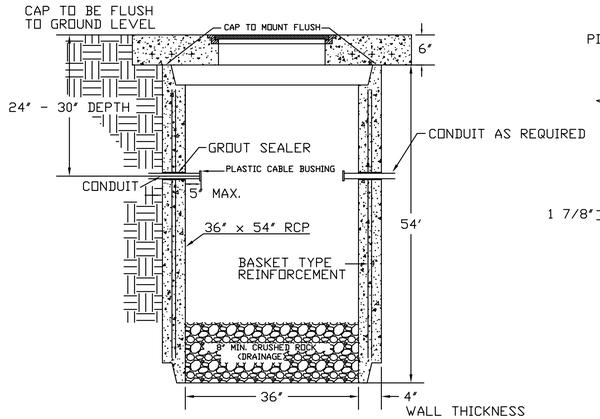
SERVICE BOX CONSTRUCTION/INSTALLATION DETAILS

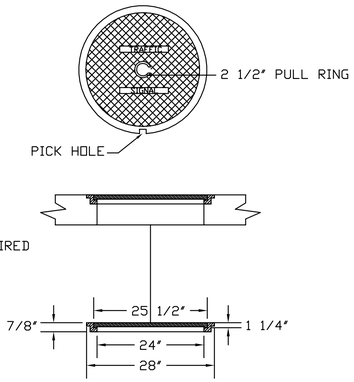


PRE-CAST CONCRETE
SERVICE BOX

(36″ I.D. X 54″ RCP)
with 6″ CAP

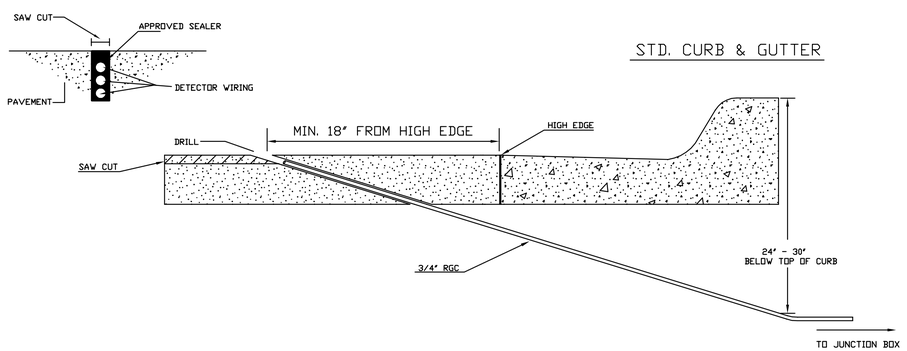


SECTION A-A

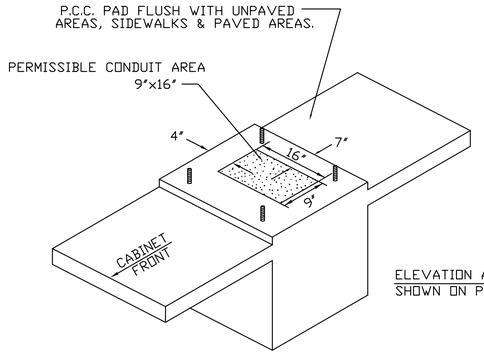


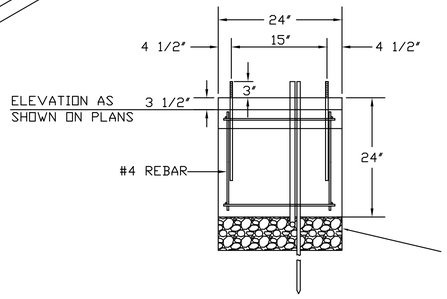
RING & COVER DETAIL

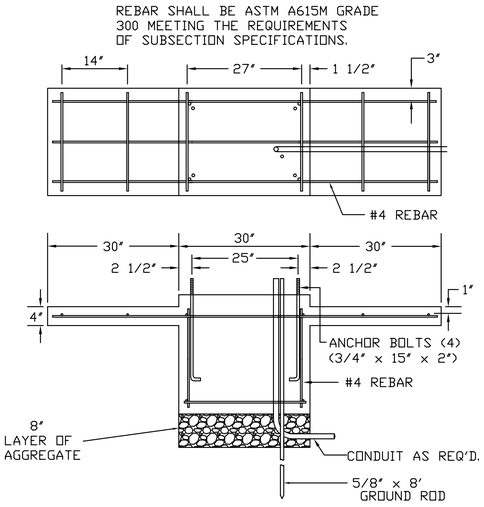
CONDUIT/DETECTOR WIRE INSTALLATION DETAILS



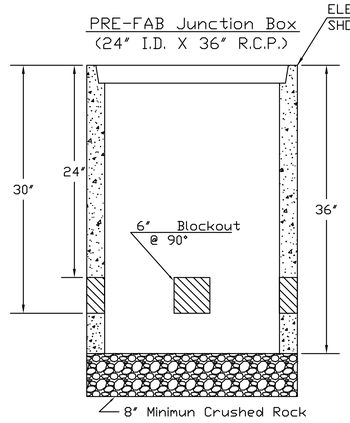
170 CONTROLLER PAD DETAILS



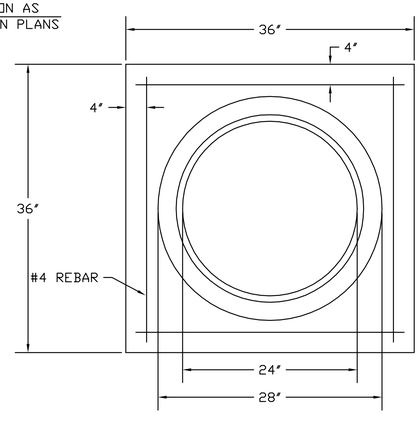




JUNCTION BOX DETAILS

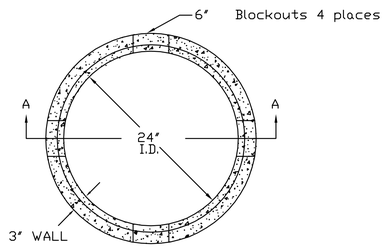


SECTION A-A



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.

REV. DATE	COMMENTS	INT

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.
   1 1/4″ ″ ″ ″ BTWN. SERVICE & JUNCTION BOXES.
   3/4″ ″ ″ ″ BTWN. JUNCTION BOXES.
   3/4″ ″ ″ ″ BTWN. JUNCTION BOX & DETECTOR LOOP SAW CUT

SERVICE/JUNCTION BOX, CONTROLLER PAD
CONSTRUCTION/INSTALLATION DETAILS

THE CITY OF WICHITA

CITY ENGINEER'S OFFICE
CITY HALL – SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202
(316) 268-4500
(316) 268-4114 FAX

CENTRAL PARK AND MAIZE ROAD

SERVICE/JUNCTION BOX, CONTROLLER PAD
CONSTRUCTION/INSTALLATION DETAILS

PROJECT NUMBER
472-04286

DRAWN BY: T.M.	SCALE	REVISED BY:
DATE: MAY 97	NO SCALE	DATE:

CITY OF WICHITA
DEPARTMENT OF PUBLIC WORKS

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

SHEET 4 OF 5

DSNR: BER OPER: SDM SCALE: 1=1.00
Q:\2004\04286\SB-DTL 08-31-2004 10:54:47 am