

PRE-CAST CONCRETE
SERVICE BOX

(915mm I.D. X 1372mm RCP)
with 152mm CAP

SECTION A-A

1220 mm

1220 mm

100 mm

100 mm

100 mm

152 mm

915 mm

102 mm WALL THICKNESS

1372 mm

915mm x 1372 mm RCP

BASKET TYPE REINFORCEMENT

9 MM CRUSHED ROCK (DRAINAGE)

CONDUIT

125 mm MAX.

GROUT SEALER

PLASTIC CABLE BUSHING

CAP TO MOUNT FLUSH

CONDUIT AS REQUIRED

TRAFFIC

63 mm PULL RING

PICK HOLE

48 mm

635 mm

32 mm

610 mm

711 mm

RING & COVER DETAIL

Diagram illustrating the standard curb and gutter installation. The diagram shows a cross-section of the curb and gutter assembly. Key components and labels include:

- SAW CUT**: Indicated at the top left of the curb.
- APPROVED SEALER**: Applied to the top surface of the curb.
- DETECTOR WIRING**: Three wires are shown running through the curb.
- PAVEMENT**: The surface on the left side of the curb.
- DRILL**: A hole is shown in the curb, with a note indicating it should be **MIN. 450 mm FROM HIGH EDGE**.
- HIGH EDGE**: The top edge of the curb.
- 19 mm RGC**: The Reinforced Gypsum Channel is shown sloping down from the curb towards the junction box.
- 600 mm - 750 mm BELOW TOP OF CURB**: The vertical distance from the top of the curb to the junction box.
- TO JUNCTION BOX**: The direction of the channel's slope.

P.C.C. PAD FLUSH WITH UNPAVED AREAS, SIDEWALKS & PAVED AREAS.

PERMISSIBLE CONDUIT AREA
225 mm x 400 mm

105 mm

400 mm

180 mm

225 mm

CABINET FRONT

PRE-FAB Junction Box
(610mm I.D. X 915mm R.C.P.)

750 mm

600 mm

915 mm

50 mm Blockout @ 90°

200mm Minimum Crushed Rock

SECTION A-A

915 mm x 915 mm x 152 mm
TOP OF CAP TO BE FLUSH WITH
GROUND LEVEL.

150 mm □ Blockouts 4 places

609 mm I.D.

75 mm WALL

A A

The image contains two technical drawings of a manhole structure:

- Top View (Plan View):** Shows a rectangular structure with overall dimensions of 355 mm by 685 mm. It features a central circular opening with a diameter of 40 mm. The structure is reinforced with #4 REBAR. The distance from the center to the right edge is 75 mm.
- Bottom View (Cross-section View):** Shows the vertical profile of the structure. The total height is 750 mm. The base is 200 mm thick and consists of a layer of aggregate. The structure is reinforced with #4 REBAR. The distance from the center to the right edge is 750 mm. The distance from the center to the left edge is 765 mm. The distance from the center to the right edge of the aggregate layer is 635 mm. The distance from the center to the left edge of the aggregate layer is 65 mm. The structure is supported by 20mm x 3m GROUND ROD. The structure is labeled as ANCHOR BOLTS (4) (20mm x 375 mm x 50mm). The structure is labeled as CONDUIT AS REQ'D.

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 750 mm MINIMUM WITH ROCK & STUBBLE FREE BACKFILL TO SERVE AS BEDDING MATERIAL. MAINTAIN MINIMUM CONDUIT DEPTH IN TRENCH.
2. BACKFILL TO BE COMPACTED IN 150 mm LOOSE LIFTS BY HAND OR MECHANICAL TAMPING TO A 95% STANDARD DENSITY.

CONDUIT:

1. SLOPE CONDUIT TO DRAIN AS DIRECTED BY THE ENGINEER.
2. 75 mm RIGID STEEL CONDUIT BTWN. SERVICE BOXES.
32 mm " " " BTWN. SERVICE & JUNCTION BOXES.
19 mm " " " BTWN. JUNCTION BOXES.
19 mm " " " BTWN. JUNCTION BOX & DETECTOR LOOP SAW CUT

[illegible]

PROJECT DESCRIPTION			
SERVICE/JUNCTION BOX, CONTROLLER PAD CONSTRUCTION/INSTALLATION DETAILS			
PROJECT NUMBER			
DRAWN BY: T.M.		SCALE	REVISED BY:
DATE: APR. 96		NO SCALE	DATE:
CITY OF WICHITA DEPARTMENT OF PUBLIC WORKS			
DIVISION OF TRAFFIC ENGINEERING P.F. TRAFFIC ENGINEER		SHEET OF	