

PRE-CAST CONCRETE
SERVICE BOX

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

SECTION A-A

48"

#4 REBAR

4"

4"

4"

48"

CAP TO BE FLUSH TO GROUND LEVEL

24" - 30" DEPTH

CAP TO MOUNT FLUSH

6"

GROUT SEALER

PLASTIC CABLE BUSHING

CONDUIT

5" MAX.

36" x 54" RCP

BASKET TYPE REINFORCEMENT

8" MIN. CRUSHED ROCK (DRAINAGE)

54'

4" WALL THICKNESS

CONDUIT AS REQUIRED

36"

2 1/2" PULL RING

PICK HOLE

1 7/8"

25 1/2"

24"

28"

1 1/4"

RING & COVER DETAIL

SAW CUT

APPROVED SEALER

PAVEMENT

DETECTOR WIRING

MIN. 18" FROM HIGH EDGE

HIGH EDGE

SAW CUT

DRILL

3/4" RGC

24" - 30" BELOW TOP OF CURB

STD. CURB & GUTTER

TO JUNCTION BOX

P.C.C. PAD FLUSH WITH UNPAVED AREAS, SIDEWALKS & PAVED AREAS.
 PERMISSIBLE CONDUIT AREA 9"x16"
 4"
 16"
 7"
 9"
 CABINET FRONT

300 MEETING THE REQUIREMENTS OF SUBSECTION SPECIFICATIONS.
 14" 27" 1 1/2" 3"
 #4 REBAR
 4 1/2" 24" 15" 4 1/2"
 3 1/2" #4 REBAR 24"
 30" 30" 30" 2 1/2" 25" 2 1/2" 1"
 4" 4" ANCHOR BOLTS (4) (3/4" x 15" x 2") #4 REBAR
 8" LAYER OF AGGREGATE CONDUIT AS REQ'D.
 5/8" x 8' GROUND ROD

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

30"

24"

6" □ Blockout
⊙ 90°

36"

8" Minimum Crushed Rock

SECTION A-A

36"

4"

4"

36"

#4 REBAR

24"

28"

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

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

[illegible]

PROJECT DESCRIPTION			
SERVICE/JUNCTION BOX, CONTROLLER PAD CONSTRUCTION/INSTALLATION DETAILS			
PROJECT NUMBER			
DRAWN BY: T.M.	APPROVED BY		REVISED:
DATE: Apr. 96			DATE:
CITY OF WICHITA			
DEPARTMENT OF PUBLIC WORKS			
TRAFFIC ENGINEERING DIVISION		SCALE	
WM. G. MCKINLEY P.E.	TRAFFIC ENGINEER	NO SCALE	