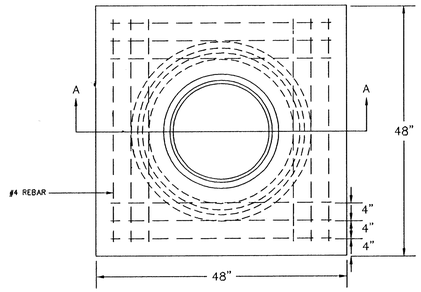
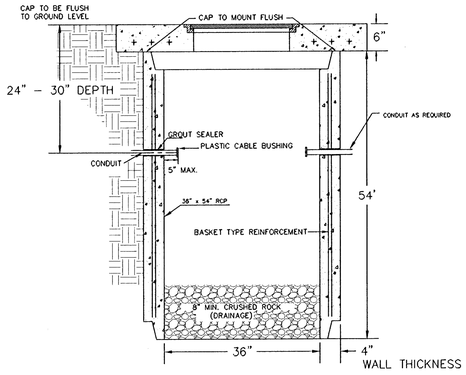
| FHWA REGION NO. | STATE | PROJECT NO. | YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| | KANSAS | 472-82787 | 99 | 44 | 94 |

# SERVICE BOX CONSTRUCTION/INSTALLATION DETAILS

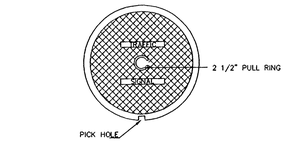


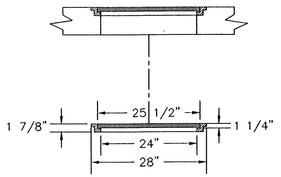

PRE-CAST CONCRETE SERVICE BOX

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



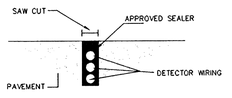

SECTION A-A



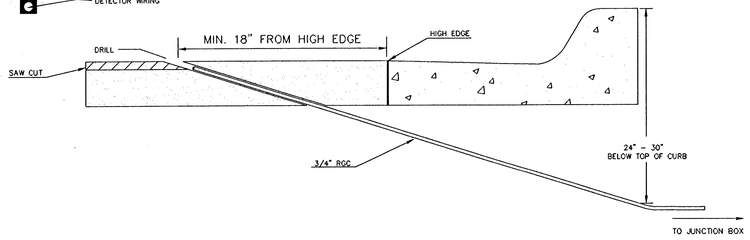




RING & COVER DETAIL

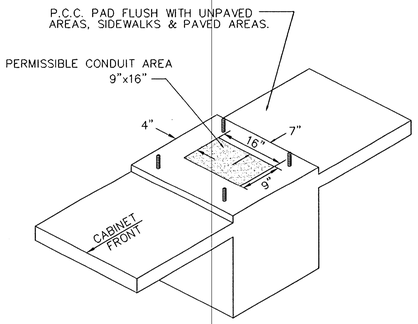
# CONDUIT/DETECTOR WIRE INSTALLATION DETAILS



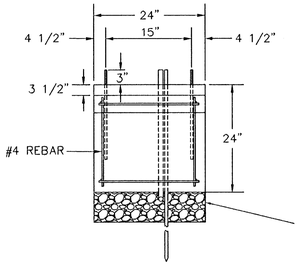

STD. CURB & GUTTER

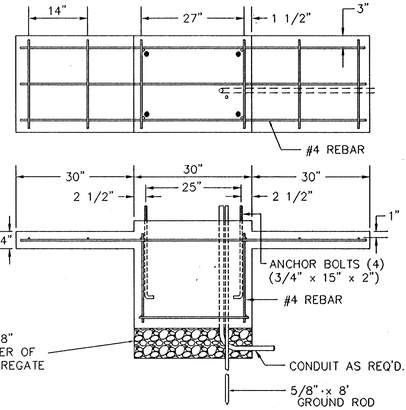



# 170 CONTROLLER PAD DETAILS



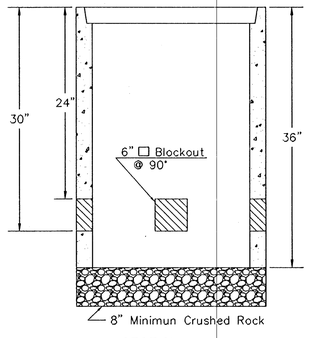

REBAR SHALL BE ASTM A615M GRADE 300 MEETING THE REQUIREMENTS OF SUBSECTION SPECIFICATIONS.



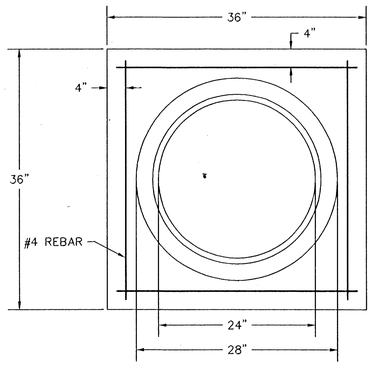




# JUNCTION BOX DETAILS

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

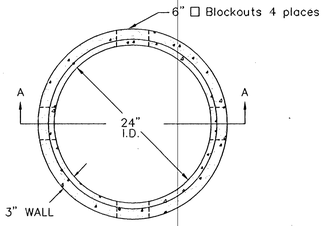



SECTION A-A




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

| REV. DATE | COMMENTS | INT |
|---|---|---|
| | | |

PROJECT DESCRIPTION

SERVICE/JUNCTION BOX, CONTROLLER PAD CONSTRUCTION/INSTALLATION DETAILS

PROJECT NUMBER 472-82787

| DRAWN BY: T.M. | APPROVED BY | REVISED: |
|---|---|---|
| SCALE: NO SCALE | | DATE: Apr. 98 |

CITY OF WICHITA
DEPARTMENT OF PUBLIC WORKS

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

SH: 44 OF: 94

FILE: SB-DTL dwg PLOT: 7-7-98 AUTOCAD r17 SCALE: 1"=20'