

CONTROLLER PAD DETAILS FOR TYPE 170 CONTROLLER

*Raised PCC pad
typical unpaved area
sidewalk paved area*

Cabinet Front

Conduit Area (9" x 16")

Anchor Bolts (4 places)

*Note: Construct Contraction Joints
perpendicular to conduit at
approximately 30' O.C. such that
they match contraction joints
in existing pavement.*

Anchor Bolts typ. (4 ea, 3/4" x 15" x 2)

Sweeping 90° bend

*Cond as required
5/8" x 8' GROUND ROD*

*Top of Pad to be sloped to drain
** Duct Seal to be applied to conduit entrances*

PRE-FAB Junction Box
(24" L.O. x 36" R.C.P.)

NOTE: Seal ring in junction box
with grout.

NOTES: * All Service Boxes And Junction Boxes
Do Have 6" Min. Crushed Rock.

SERVICE BOX:

1. CONDUIT CONNECTION TO BE FLUSH TO WITHIN 5" OF INSIDE FACE OF SIDE WALL WITH ABILITY TO DRAIN CONDUIT INTO SERVICE BOX.
2. CONDUIT CONNECTIONS TO SERVICE BOX SHALL BE TERMINATED WITH PLASTIC CABLE BUSHING.

JUNCTION BOX:

1. BOX TO BE INSTALLED FLUSH WITH GROUND LEVEL (VARIABLE WITH BOX HEIGHT.)
2. PRE-FAB (RCR) JUNCTION BOX TO BE USED. OTHER DESIGNS OF SIMILAR SIZE & SHAPE MAY BE USED AS ACCEPTABLE ALTERNATIVE, SUBJECT TO APPROVAL.

TRENCHING:

1. CONDUIT DEPTH TO BE 30" MINIMUM WITH ROCK & STURABLE FREE BACKFILL TO SERVE AS BEDDING MAT'L. 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.
3. SLOPE CONDUIT TO DRAIN AS DIRECTED BY THE ENGINEER.
4. 3" RIGID GALV. STL. CONDUIT • BETWEEN SERV. BOXES.
 1 1/4" • • • • • BTWN. S/R & JUNC. BOXES
 3/4" • • • • • BTWN. J/R & CURB FACE

REVISION DATE	COMMENT'S	INT.
Apr. 85	Change Contractor Name	W
Apr. 85	Change Location North	W
Apr. 85	Change Location Depth	W
Apr. 85	Change Junction Box	W
May 85	Add record open	W
Jan. 95	Add #4 Rebar x 8' Ground Rod	m
		Done

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

PROJECT NUMBER
468-82138 & 472-82668

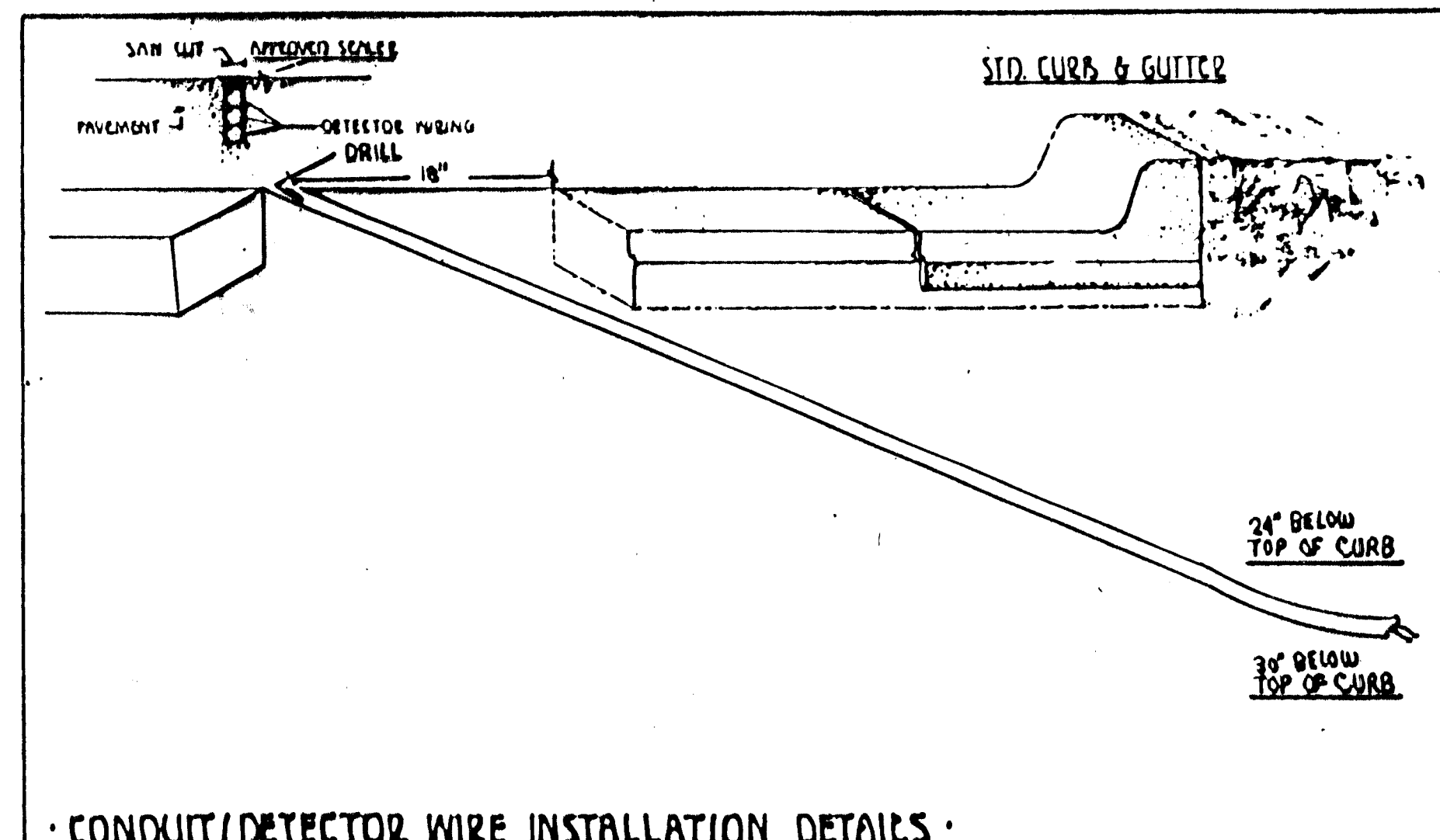
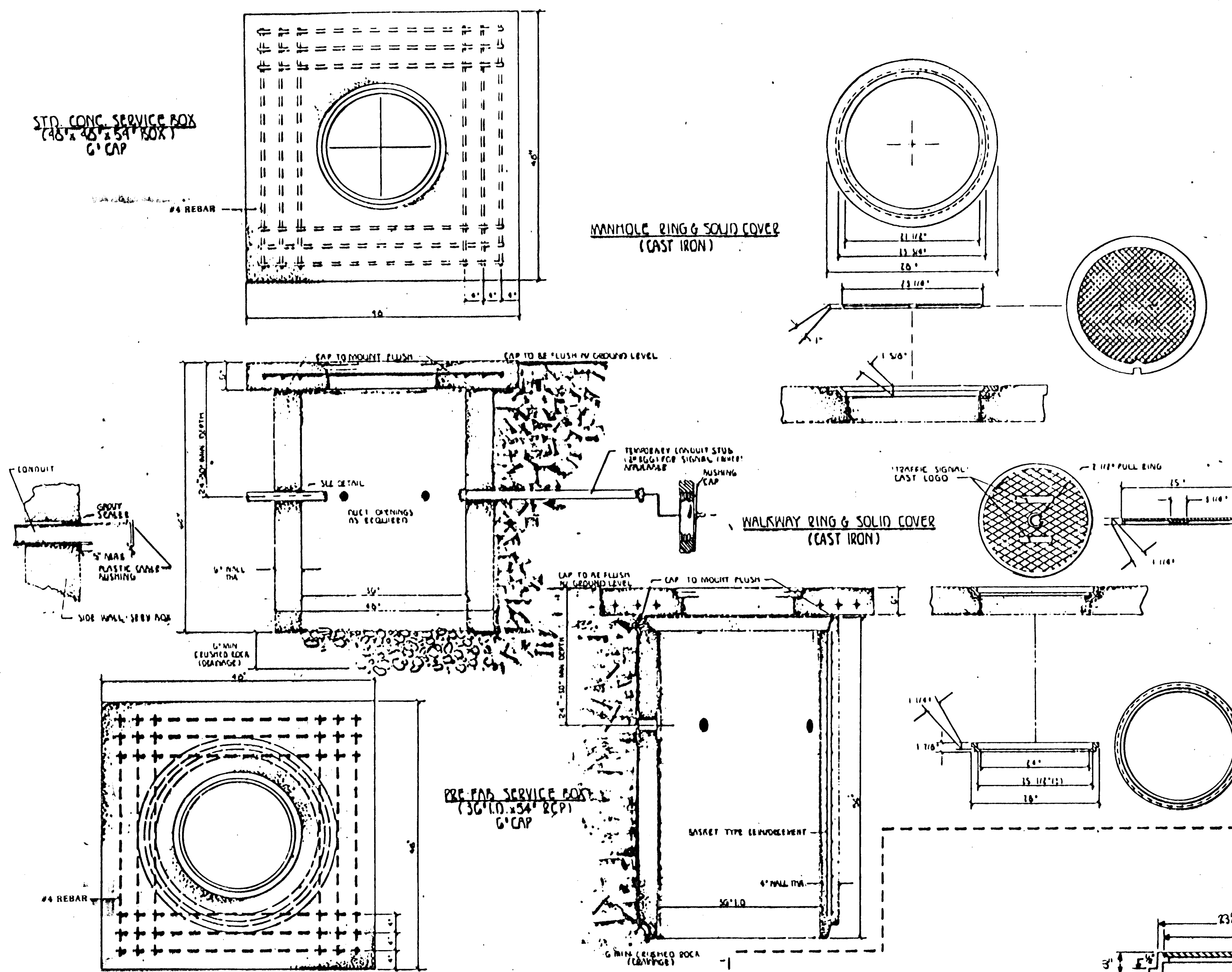
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CITY OF WICHITA
DEPARTMENT OF PUBLIC WORKS

TRAFFIC ENGINEERING DIVISION	SCALE NO. 50
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SHEET 29 OF 38



+ Grout is to be 3 parts sand and 1 part cement with enough water for suitable mastic.

