

SERVICE BOX CONSTRUCTION/INSTALLATION DETAILS

The drawing consists of three main views: a top view, a side elevation, and a detail of the ring and cover.

- Top View:** Shows a square pre-cast concrete box with a 48" outer dimension. It features a central circular opening with concentric circles representing reinforcement. A section line 'A-A' is indicated across the top.
- Side Elevation:** Shows the box with a 4" wall thickness. The top is labeled 'CAP TO BE FLUSH TO GROUND LEVEL' and 'CAP TO MOUNT FLUSH'. The side wall is labeled '24" - 30" DEPTH'. The bottom is labeled '36" - 54" RCP' and 'BASKET TYPE REINFORCEMENT'. The total height is 54". The bottom is labeled '8" MIN. CRUSHED ROCK DRAINAGE'. The side wall is labeled 'CONDUIT AS REQUIRED'.
- Ring & Cover Detail:** Shows a circular cover with a 25 1/2" outer diameter and a 24" inner diameter. It has a 1 7/8" thick cover and a 1 1/4" thick ring. The cover has a 'PICK HOLE' and a '2 1/2" PULL RING'.

SECTION A-A

RING & COVER DETAIL



REBAR SHALL BE ASTM A615 GRADE 300 MEETING THE REQUIREMENTS OF SUBSECTION SPECIFICATIONS.

14' 27' 1 1/2' 3'

#4 REBAR

30' 30' 30' 4' 1' 2 1/2' 2 1/2'

ANCHOR BOLTS (4) (3/4' x 15' x 2')

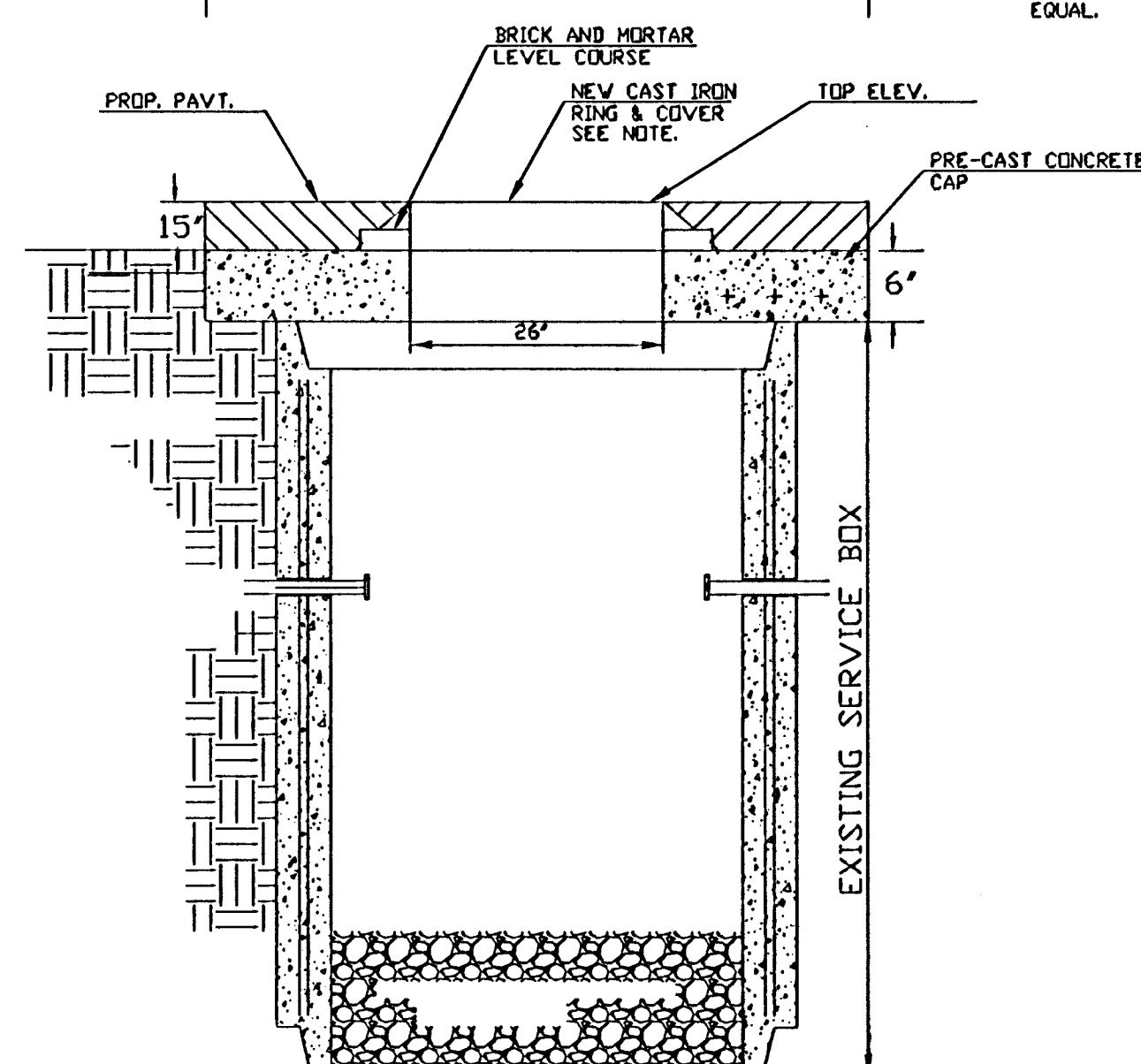
#4 REBAR

8' LAYER OF AGGREGATE

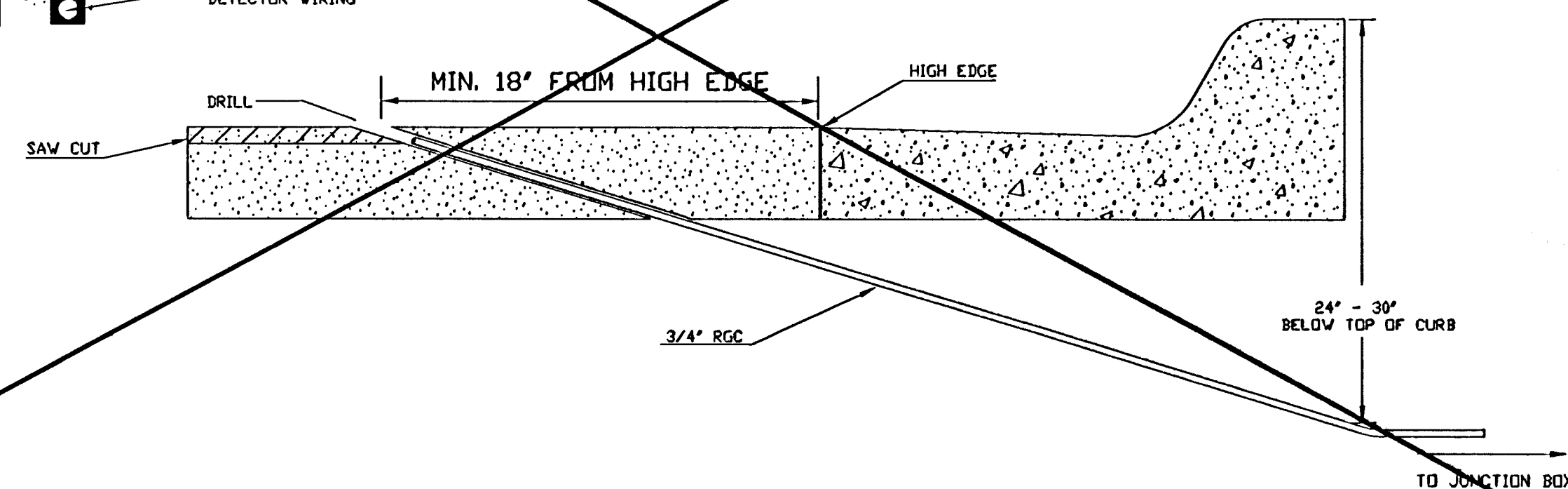
CONDUIT AS REQ'D.

5/8' x 8' GROUND ROD

NOTE: CAST IRON RING AND COVER
SHALL BE NEENAH R1773 OR APPROVED
EQUAL.



STD. CURB & GUTTER



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

OAK CREEK-PHASE 1
21ST ST. N. DECEL LANE

SERVICE/JUNCTION BOX, CONTROLLER PAD
CONSTRUCTION/INSTALLATION DETAILS

	PROJECT NUMBER
	472-84208

OWN BY: T.M.	APPROVED BY	REVISED BY: T.M.
DATE: MAY 97		DATE: MAY, 97

VISION OF TRAFFIC ENGINEERING

SCALE
NO SCALE