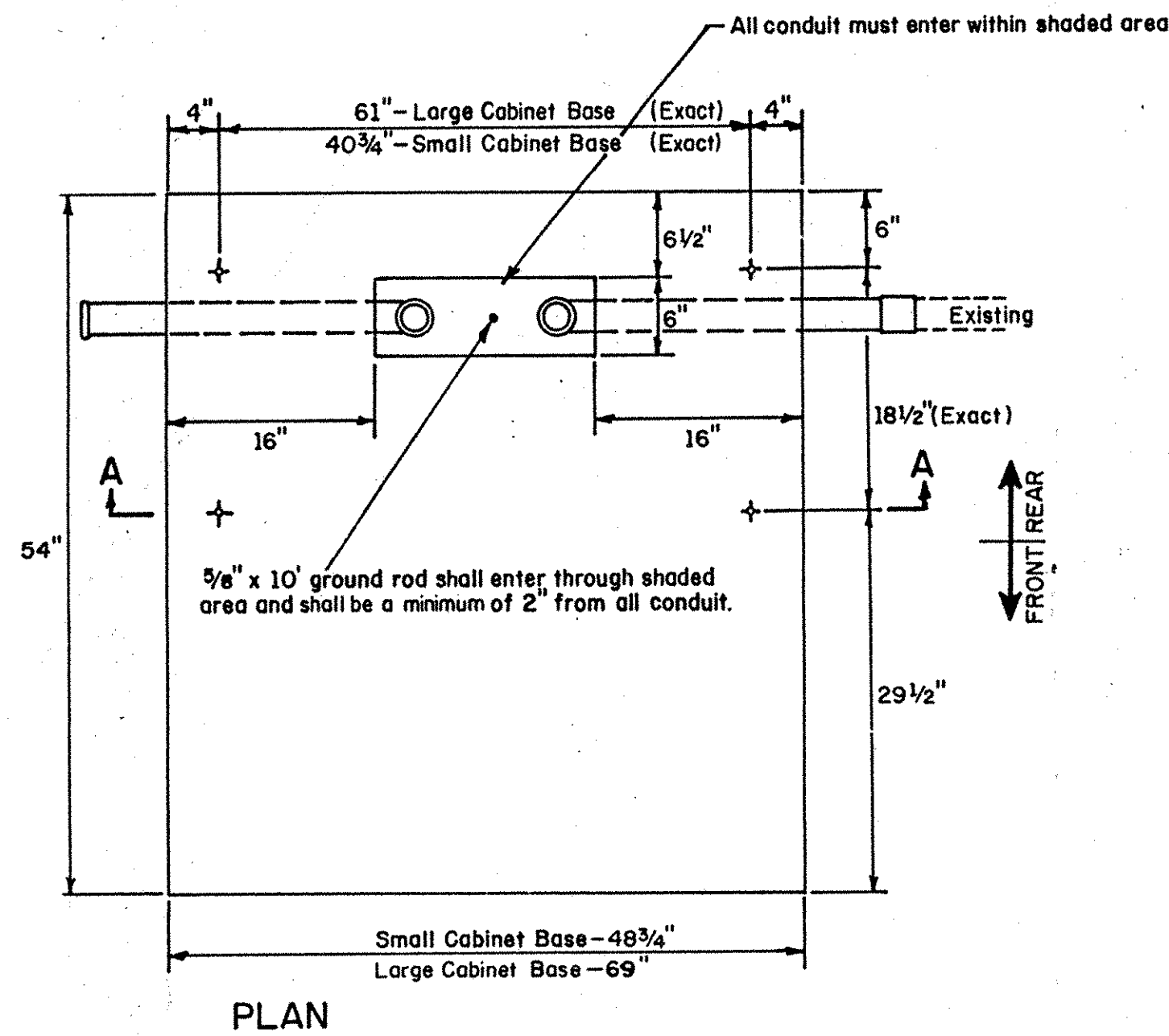


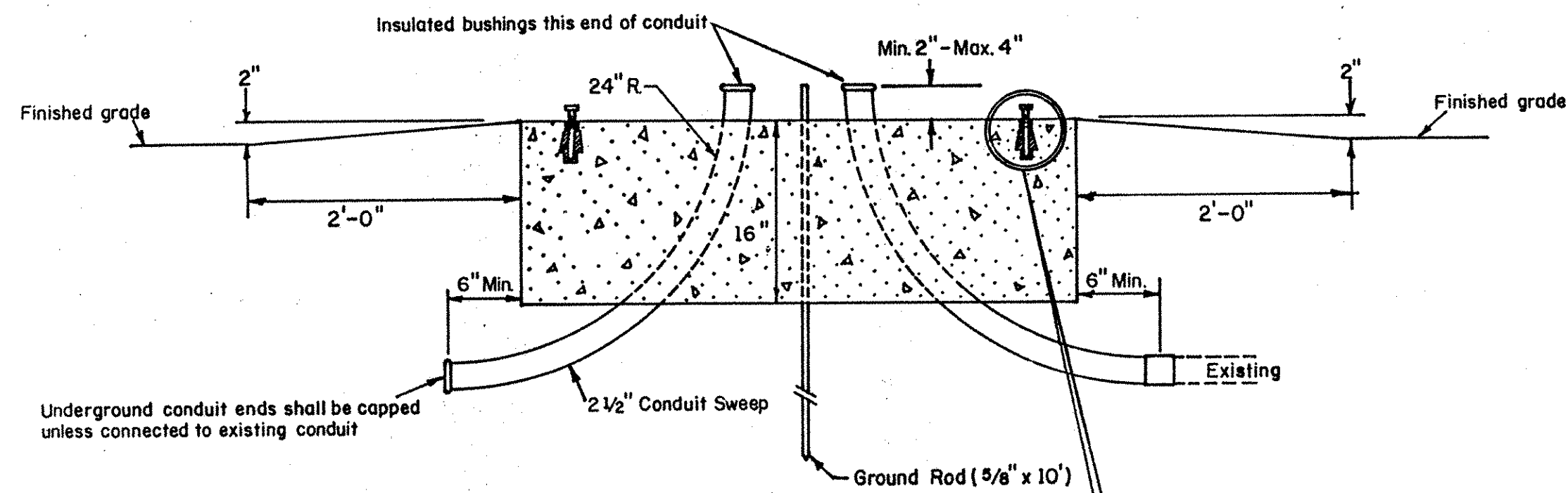
CABINET BASES, CONDUIT JUNCTION WELLS
AND SIGN FOUNDATION

PREL. TRACING R.F.R.	11-23-77 DESIGN	CHKD.
RECOMMENDED	11-28-1977 R. E. Imasetti	CHIEF ENGINEER
APPROVED	11/28 1977 R. D. Bewick	DIRECTOR OF HIGHWAYS

1. 4/24/79 Revised notes, small and large cabinet bases R.F.R. REVISIONS



PLAN



SECTION A-A

NOTES:

When bases are placed in sidewalk areas they shall be set flush with sidewalk. At other locations the bases shall be set to be 2" to 3" above the surface of the ground and graded as shown, but never below the adjacent pavement.

All conduit sweeps indicated on the signal plan shall be paid for as conduit under new pavement. All bases shall contain one capped, spare 2 1/2" conduit sweep in addition to all conduit sweeps shown on the signal plan. The spare 2 1/2" conduit sweep indicated above shall be included in the cost of the base.

Concrete shall conform to special provisions section 812, PORTLAND CEMENT CONCRETE.

Bases shall be formed to the full depth or as directed by the engineer.

Where conduit has previously been installed, connection to conduit in base shall be made before pouring concrete.

Use a 90° elbow with a 24" radius for the conduit sweep. Elbows of rigid metallic conduit fabricated by the contractor may be acceptable provided that a smooth radius of proper dimension is achieved and that the galvanizing is not damaged.

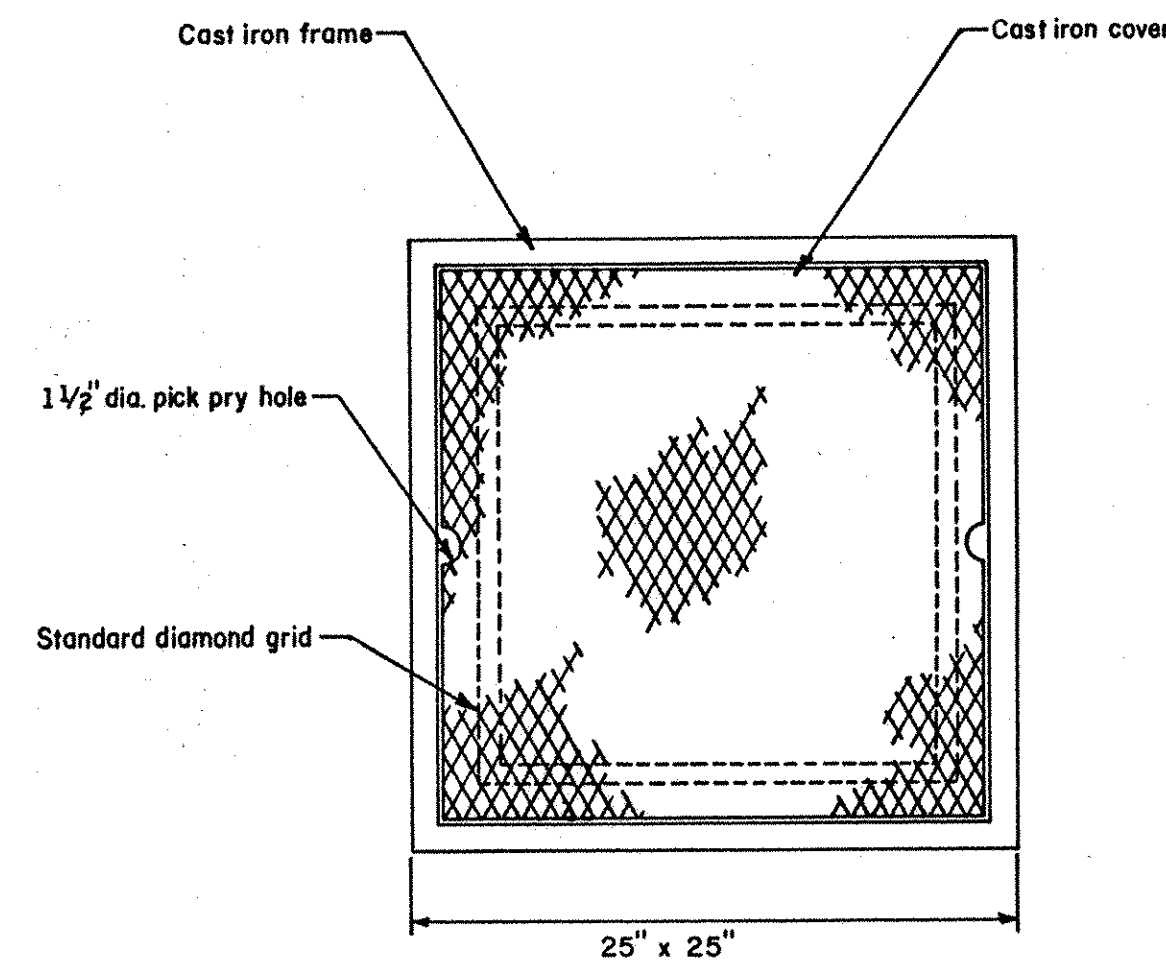
Copper coated ground rods (5/8" x 10' min.) shall be placed within all bases as shown or as directed by the engineer with a 6'-0" minimum of the rod in undisturbed soil.

Concrete inserts and hex bolts for the bases shall be supplied by the contractor and shall be included in the cost of the base. They shall be hot-dipped galvanized in accordance with the latest ASTM specifications.

All conduits shall have insulated bushings inside the control cabinet. An arrow shall be placed in the surface of the base indicating the location where each conduit leaves the base. Any conduit sweep not used shall be capped in the ground.

The cabinet base shall be oriented so that the rear of the cabinet will face the intersection or as directed by the engineer.

SMALL AND LARGE CABINET BASES



NOTES:

Type 1 conduit junction wells shall be precast concrete. At least one hole in precast well will be of a 5' diameter completely through the wall. Unused holes shall be plugged. Concrete shall conform to special provisions section 812, PORTLAND CEMENT CONCRETE.

Type 2 and type 3 conduit junction wells shall be brick and will conform to standard specifications section 614, BRICK MASONRY. Joints shall be concave type. Type 2 walls will be a nominal 4" thick. Type 3 walls will be a nominal 8" thick.

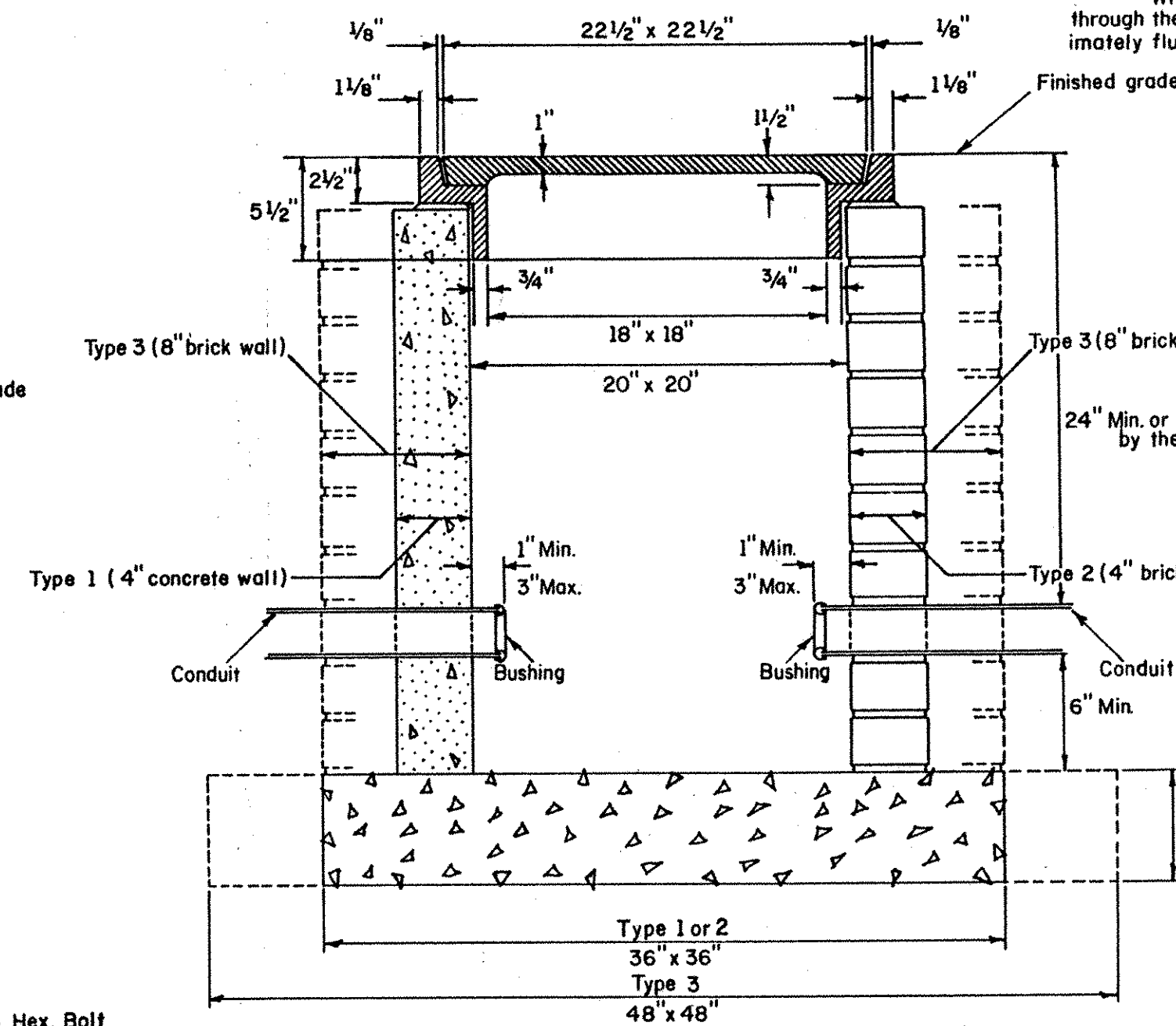
Type 4 conduit junction wells will be of bituminous fibre pipe with a cast iron cover. Hardware used to secure the cast iron cover will be of stainless steel.

All conduit junction wells constructed within pavements, sidewalks, etc. will be constructed flush with the surface of same. Installations in unpaved areas will be constructed flush with the ground (except type 4 - refer to detail below) and graded to drain away from conduit junction well.

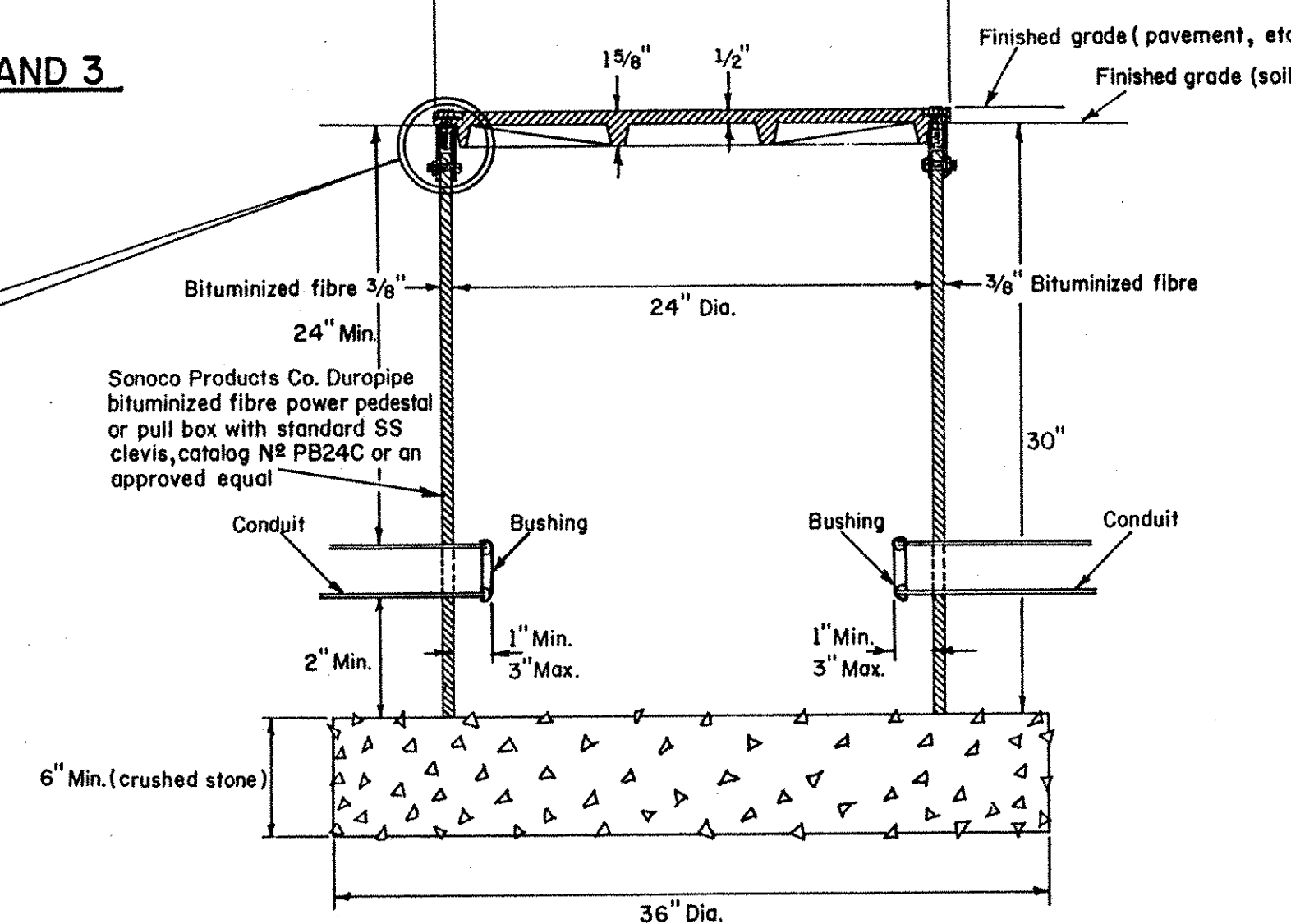
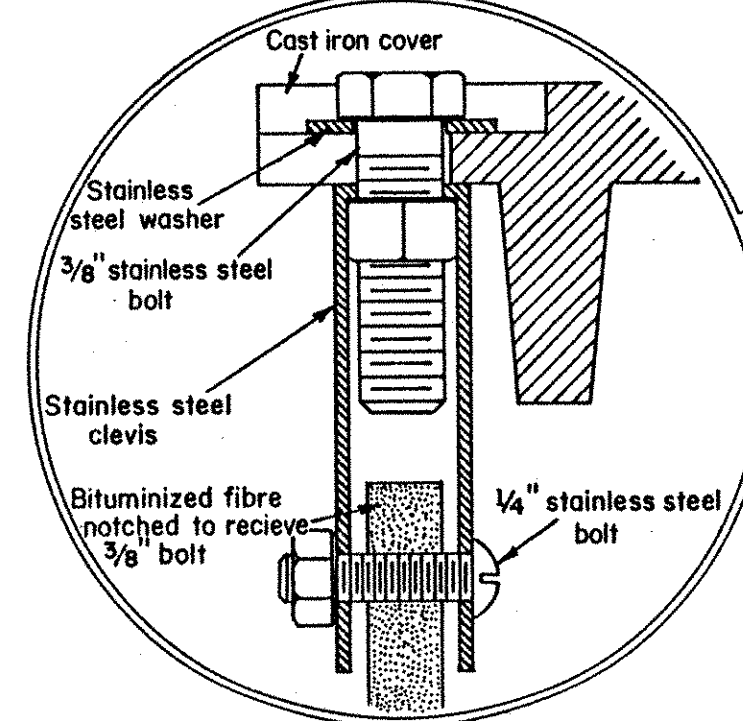
Cast iron frames and/or covers will conform to standard specifications section 711.05, Castings, and shall be included in unit price bid for conduit junction wells.

Conduit junction wells will be constructed to a depth that will insure a minimum of 6" from the bottom to the lowest conduit except type 4.

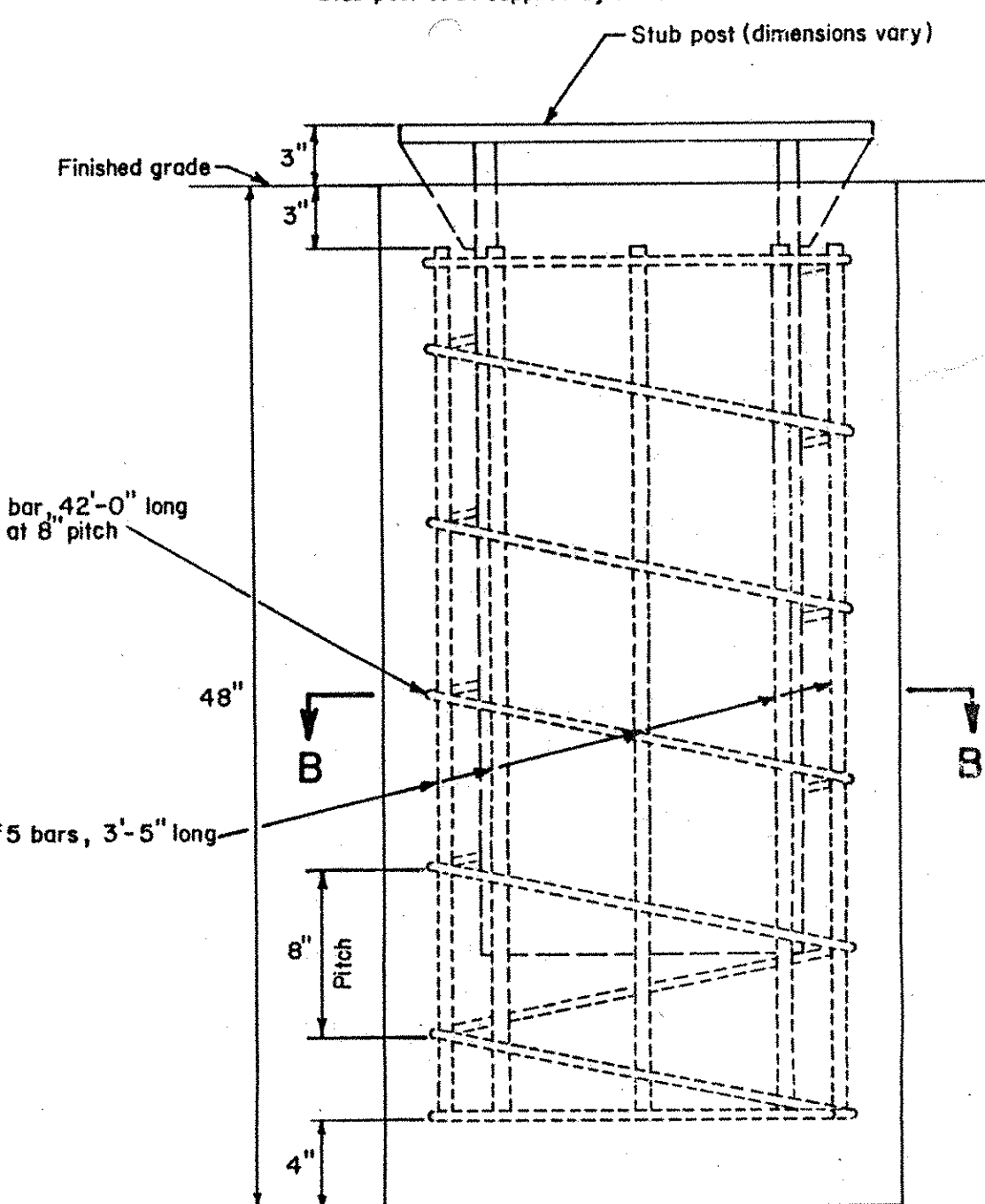
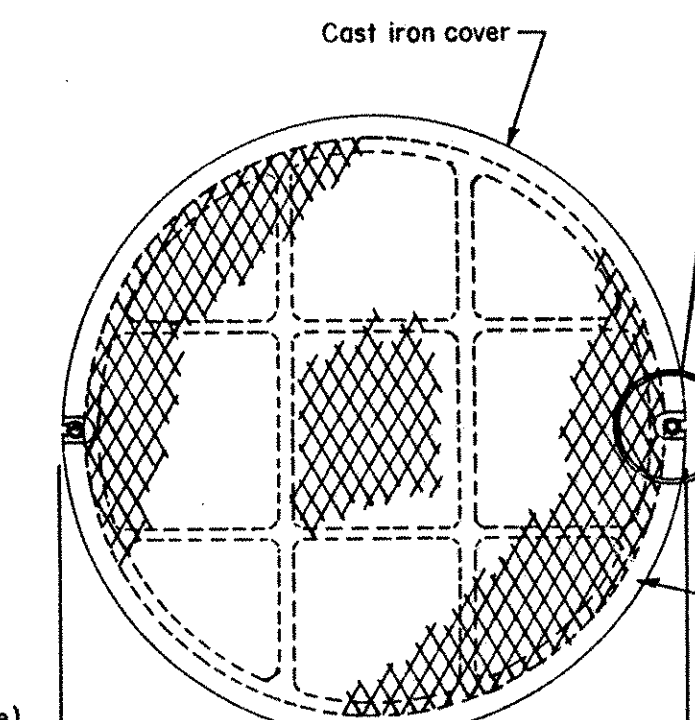
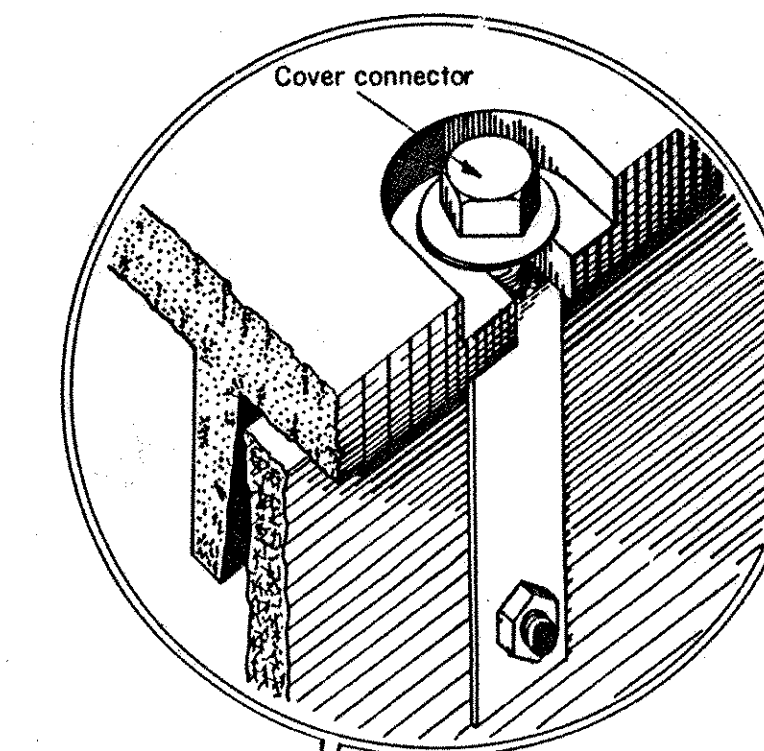
When nonmetallic conduit is used, it will be extended through the wall of the conduit junction well and approximately flush with the inside wall surface.



CONDUIT JUNCTION WELLS, TYPES 1, 2 AND 3



CONDUIT JUNCTION WELL, TYPE 4



SECTION B-B

SIGN FOUNDATION DETAIL