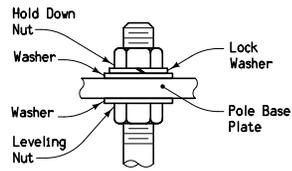
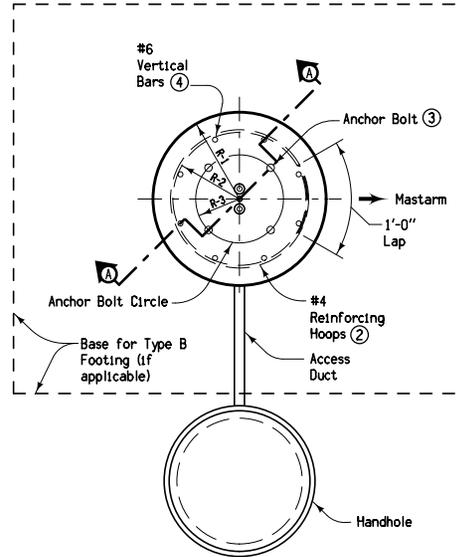


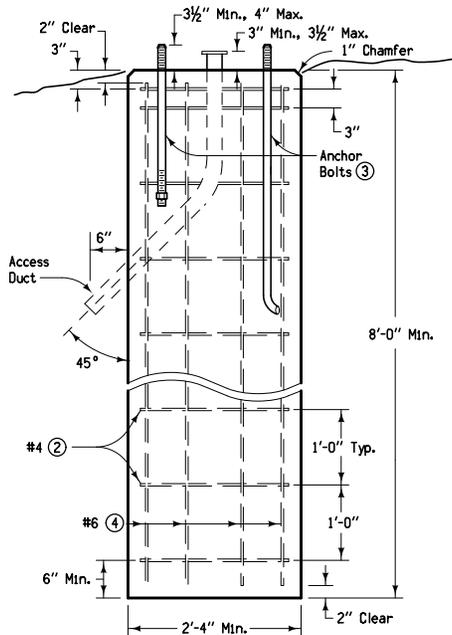
ANCHOR BOLT DETAILS



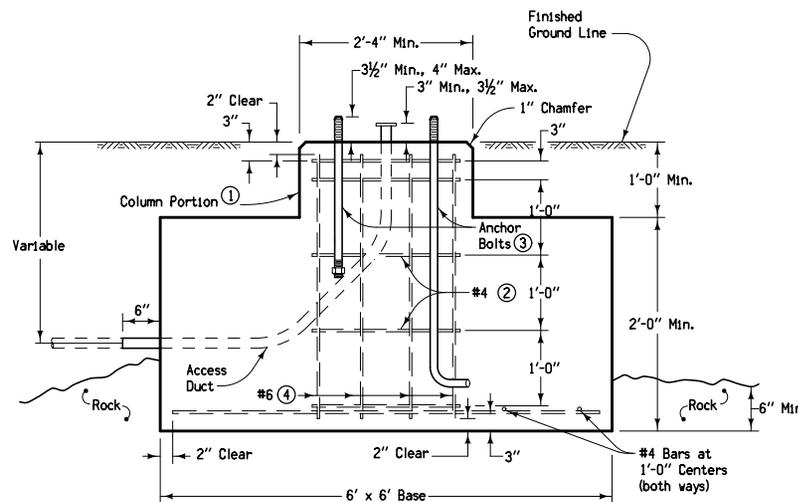
DETAIL 'A'
Without Transformer Base ⑤



FOOTING PLAN



SECTION A-A
TYPE A FOOTING



SECTION A-A
TYPE B FOOTING

The details indicated hereon are for the construction of a concrete footing for light poles with a mounting height of 49 feet or less. Where poles with greater mounting heights are specified, footings of different designs may be required.

The Type A Footing is the normally required footing construction. Where rock, shale, sandstone, broken or shattered rock, or other similar material is encountered, the Engineer may approve the use of the Type B Footing. Dispose of all excavations in the area adjacent to the footing and shape to the natural contour unless otherwise directed by the Engineer.

Diameter of footing is determined by the Anchor Bolt Circle required for the diameter of the pole being installed. Where dimensional requirements indicated cannot be met with normal footings, enlarge the footing as necessary to accommodate the required diameter at Contractor's expense.

R-1 Radius of the outside of the footing is 1'-1 1/2" minimum unless anchor bolt circle requires a larger radius.

R-2 Radius of the reinforcing hoop is a maximum of 2" less than R-1 and a minimum of 1" greater than R-3.

R-3 Radius of the anchor bolt circle.

Cap open ends of conduit during construction to prevent infiltration of foreign material. After the cable is installed, seal the upper end of the ducts against entry of moisture by a method approved by the Engineer. For access ducts use a 2" nominal outside diameter, with a minimum of two access ducts per footing, unless otherwise specified. Use a 1" nominal outside diameter for the ground wire duct.

No welding of the anchor bolts is permitted. Obtain a template from the light pole manufacturer for placement of anchor bolts.

- ① Footing base may be thickened and column portion omitted at the Contractor's option.
- ② Horizontal reinforcing hoops are #4 bars lapped a minimum of 1'-0" as indicated. Hoops may be welded to vertical bars.
- ③ Either type of bolt shown may be used at the option of the Contractor.
- ④ This bar is to be a #7 when the mounting height is greater than 44 feet.
- ⑤ When transformer base is required, refer to Standard Road Plan RM-43.

 Iowa Department of Transportation	REVISION	
	4	10-18-11
STANDARD ROAD PLAN		RM-39
		SHEET 1 of 1

REVISIONS: Modified and clarified general notes. Removed information covered by Specifications.

Deanna MacFisht
APPROVED BY DESIGN METHODS ENGINEER