

MANHOLES

CONCRETE MANHOLE WALLS

NOTES CONCERNING THIS ADDENDUM

This addendum is being issued to provide instructions on a method of preforming 1/4 inch anchor holes in the manhole walls, at the time the manhole is constructed, for bonding ribbon runs and anchoring devices used to tie alpeith and stalpeith cables to the walls.

The cross reference "See Addendum" should be marked following Paragraph 5.01 and treated as indicated.

Paragraph 5.02 - Added
Paragraph 5.03 - Added

5. PLACING FORMS

5.02 Before pouring concrete for the walls of the manhole, inserts should be placed to form 1/4 inch anchor holes for bonding ribbon and cable ties in the following manner:

(a) Drill 1/4 inch insert holes in the manhole form as follows:

(1) For the horizontal run of bonding ribbon, the holes should be placed 2 inches below the ceiling of the manhole and spaced 18 inches apart. The first hole should be placed at the middle of an end wall of the manhole, and then measure to both sidewalls from that point. The horizontal run may be placed around either end of the manhole, but should avoid the direction where the manhole walls contain lateral ducts or other obstructions if possible.

(2) The vertical runs for bonding ribbon should be placed down the center line of each splicing bay. The first hole should be 4 inches below the ceiling of the manhole, and then spaced 18 inches apart to the bottom of the racks.

(3) Holes for the cable tie anchoring device should be placed on the sidewalls of the manhole in a vertical run in each corner 6 inches from the end walls. The first hole should be placed 7-1/2 inches below a point on a level with the top insert for the racks, and then spaced 7-1/2 inches apart to a point on a level with the bottom of the racks.

(b) Place pole marking nails into the holes in the form so that the heads of the nails will be approximately 1/4 inch off the surface of the form lumber. This will allow about 1-1/2 inches of the nail to protrude inside the form, and will also facilitate later removal of the nails.

5.03 After the concrete has set, remove the pole marking nails prior to removal of the forms. This will prevent chipping of the manhole walls where the nails have been inserted. Except when damaged, the pole marking nails may be used repeatedly for this operation.