

MANHOLES

MANHOLE ROOFS

NOTES CONCERNING THIS ADDENDUM

This addendum has been reissued to provide new information on covers required for certain types of loading manholes as well as the changes relative to the legal requirements of the State of California.

The following Paragraphs should be marked "See Addendum" and treated as indicated:

- Paragraph 1.01 - Supplemented
- Paragraph 2.01(b) - Replaced ←
- Paragraph 2.01(c) - Supplemented ←
- Paragraph 2.03 - Added
- Paragraph 2.04 - Added

1. DESIGN OF MANHOLE ROOFS

- 1.01 The minimum inside width of all manholes in California shall be 4 feet.

2. MANHOLE OPENINGS ←

- 2.01(b) In loading manholes more than 12 feet long, one opening is to be provided for each 8 feet of length or fraction thereof, bearing in mind, however, the provisions of Paragraph 1.05 of this Section. The number and location of the openings will be shown on the detail plans. For all other manholes, refer to the Section of the Practices covering Manholes, General for the number and location of the covers as illustrated in the Figures of that Section. ←

- 2.01(c) In California the manhole opening at the surface of the street shall not be within a distance of 3 feet at any point from the rail of a steam or electric railroad.

2.02 THIS INFORMATION SHALL APPLY WITHIN THE STATE OF CALIFORNIA. In manholes that are 3 feet 6 inches wide a vertical space corresponding to the opening in the manhole frame (not less than 26 inches) shall be kept free from all equipment, except ladders, throughout the depth of the manhole. In all other manholes, the vertical clear space as described in the State Law shall be maintained as far as possible.

2.03 In cases where the vertical distance between the top of the manhole frame and the ceiling of the manhole exceeds 24 inches or may exceed that amount as the result of future change in grade, manhole openings of at least 38 inches in diameter should be constructed in order to permit the placing of permanent manhole steps as outlined in Part 6 of Section G43.140.1 without encroaching on the 26 inch working space.

2.04 Where the 38 inch opening is required and Ring Type (Dwg. CS-1610), Type R, or 27 inch Type A, SA or SB frames are to be used, a tapered brick collar of the type specified in Addendum G43.140.1 Paragraph 5.06(c) shall be provided.