

ITEM 662.60500125 - FURNISH AND INSTALL PRECAST MANHOLES

(TELEPHONE)

1. DESCRIPTION:

1.01 This work shall consist of furnishing and installing precast concrete manholes at locations shown on the plans or as directed by the Engineer. The precast manholes, including frames, covers, racking, bonding and grounding kit, ladder and ladder steps shall be supplied by the contractor and delivered by the manufacturer to the site. The manufacturer shall be [REDACTED]
[REDACTED] The precast manholes shall be ordered as per details as shown on the contract drawings.

2. MATERIALS:

2.01	Masonry or Concrete Collars	Section 604-2.01
	Crushed Stone	Concrete Aggregate Type CA2 (Table 501-2)
	Excavation	Section 206 (Trench, Culvert, and Structure Excavation)
	Backfill	Section 203-3.15
	Sheeting	Section 206

2.02 A galvanized steel bracket or manhole step shall be included in concrete collars as a ladder support.

3. CONSTRUCTION DETAILS:

3.01 The contractor shall install a precast manhole and construct a masonry or precast concrete collar (10 inch minimum height), as required, to bring the frame to final grade as shown on the plans or as directed by the Engineer. After excavating, the contractor shall place 6 inches of crushed stone to serve as a base for the manhole. Manholes shall be racked and equipped as per the Telephone Company's

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Specifications. When prevailing conditions dictate, a cast-in-place manhole may be substituted for the precast, as determined by the Engineer. The contractor shall provide all necessary pumps, dams, drains, ditches, flumes, well points and other means for excluding and removing water from trenches which interfere with the work. The contractor shall dewater all trenches to completely dry out and solidify the foundation below the bottom of the structure to whatever depth is necessary to provide a firm, solid surface on which to install the structure. Excavation, backfill, and crushed stone shall meet the requirements of Sections 206-3.01, 203-3.15, 623-3 respectively of the Standard Specifications and as directed by the Engineer.

4. METHOD OF MEASUREMENT:

4.01 This work will be measured as the number of precast manholes installed in accordance with the contract documents and directions of the Engineer.

5. BASIS OF PAYMENT:

5.01 The unit price bid for each precast manhole shall include the cost of all labor, equipment and materials necessary to complete the work as shown on the plans, in accordance with the Verizon specifications and details, and as directed by the Engineer, including the cost of replacing any materials lost or damaged by the contractor. The cost of the precast manhole shall also include the installation of the masonry or concrete collar, manhole racking, bonding and grounding kit, ladder, crushed stone, backfill, and frame and cover.

The cost of trench and culvert excavation, the concrete floor, concrete grout material, mortar, and reinforcement shall be included in the cost for this item.