

SECTION 3920 - CONNECTION TO EXISTING MANHOLES

PART 1 - GENERAL

1.1 SCOPE OF WORK:

Provide all labor, materials, equipment and services required to connect new sewer lines to existing manholes at locations shown on the drawings and/or specified herein.

1.2 SUBMITTALS:

- A. Descriptive literature, catalog cuts, and dimensional prints clearly indicating all dimensions and materials of construction, shall be submitted on all items specified herein to the ENGINEER for review before ordering. Comply with provisions of Section 1010.
- B. At the time of submission, the CONTRACTOR shall, in writing, call ENGINEER's attention to any deviations that the submittals may have from the requirements of the ENGINEER's Contract drawings and specifications.

PART 2 - PRODUCTS

2.1 CONNECTIONS TO EXISTING MANHOLES:

- A. Whenever new sewers are connected to existing manholes, pipe openings shall be core drilled to accommodate new pipe. Rubber sleeves with stainless steel banding (per Section 3410.2.1.K.1) shall be furnished and installed in the openings and on the pipe as shown in the manufacturer's instructions. Inside drops shall have all piping installed so as to discharge as close to the existing flow line as possible.
- B. Existing manhole grouted inverts, flow lines, aprons, etc. shall be chipped out and re-grouted to accommodate the new piping.
- C. Grout holes or damage in wall opening with Master Builders MASTERFLOW 713, SONOGROUT, or equal, non-shrink grout mixed to a damp packing or ramming consistency. Temporary backing or forming may be required for ramming the grout material in place around the pipe (and around the adapter in the case of plastic pipe). Place grout until flush with outside face of wall.
- D. Prior to placing grout, coat the entire perimeter contact surface of the pipe hole with Sika Chemical Company SIKADUR HI-MOD, SONOBOND, or equal, moisture insensitive epoxy bonding compound. (Bonding compound eliminates moisture loss from fresh grout. No presoak is required). The epoxy-bonding compound must be tacky at the time grout is placed against it. Brushing over the original coating can restore tackiness.
- E. Grout ring installation, mixing and placing grout and mixing and placing epoxy bonding compound shall all be accomplished in accordance with the respective manufacturer's instructions.

PART 3 - BASIS OF PAYMENT

Payment for connections made to existing manholes will be made at the contract unit price each for each connection made, complete in place, which price will include furnishing and installing all pipe excavation (including rock), all work and material required for making the connection all work and material required to re-work existing manhole inverts, bedding, backfilling and surface restoration (except pavement replacement).

END OF SECTION