

DESCRIPTION

This work shall consist of lateral connections to existing or new sewers, connecting new sewers to existing sewers or manholes, connecting new manholes to existing sewers and connecting new receiving basins to existing laterals as shown on the plans or as ordered by the ENGINEER.

MATERIALS

Elastomeric sleeve connections shall conform to ASTM C425 with corrosion resistant shear collar, tension bands and additional tightening mechanism. Other materials shall be as shown on the plans. Fittings for cored tee lateral connections shall be Inserta Tee by Inserta Fittings Co. or approved equal.

CONSTRUCTION DETAILS

Connections to new polyvinyl chloride pipe or vitrified clay pipe main sewer shall be made with wye branch pipe sections, except for riser type connections where tee branch pipe sections shall be used. Connections to existing vitrified clay pipe or polyvinyl chloride pipe main sewers shall be made with:

1. Cast iron tee saddle hubs with flexible o-ring seals, and stainless steel straps that attach the saddle to the existing pipe
2. New wye branch / tee branch pipe sections
3. Insert type cored tee connections installed in the main sewer as shown on the plans and/or as directed by the ENGINEER.

The CONTRACTOR shall furnish bends as necessary. Tee saddle hub and insert type connections shall be cored as specified as follows.

Connection to pipe main sewers shall be made by coring an opening in the main sewer to receive tee using a hole saw for PVC and polyethylene, and diamond bit for Reinforced Concrete, clay and ductile iron mains. Pneumatic devices or hammering knock out methods are not acceptable.

The size of the cored opening shall be limited to one half the diameter of the main line sewer. If the lateral size is more than ½ the diameter of the sewer main being connected, a new lateral wye or branch connection shall be cut into the sewer main, with an elastomeric sleeve on each end.

Insert type cored tee connections shall be installed in accordance with the manufacturer's recommendations. For saddle hub connections, care shall be taken to insure that no portion of the lateral protrudes into the inner circumference of the main sewer, and all debris which may accumulate in the main sewer while making the connection shall be completely removed. The CONTRACTOR shall furnish bends as necessary.

Connections between new sewers and existing sewers or manholes or between receiving basins and laterals, shall conform to details shown on the plans, or shall be made with

elastomeric sleeves. New manholes shall be connected to existing sewers with elastomeric sleeves or concrete collars and this work shall include new lengths of sewer pipe as needed to reach the connection point.

METHOD OF MEASUREMENT

Connecting Existing Lateral to New Sewer.

The quantity paid for will be the number of existing laterals connected to new sewers. Payment shall include installation of the wye branch, tee branch or tee saddle, the bends, lateral pipe and elastomeric sleeve to connect existing lateral pipe to new lateral pipe. This item shall include new lateral pipe from the main sewer to additional point 5’ beyond the main sewer side payment limits for “Trench Excavation” or “Trench Excavation-Solid Rock”.

Connect New Lateral to Existing or New Sewer.

The quantity paid for will be the number of new laterals connected to existing or new sewers. Payment shall include installation of the wye branch, tee branch or tee saddle.

All Other Connections.

The quantity paid for under these items shall be the number of connections completed in accordance with the plans and specifications.

BASIS OF PAYMENT

The unit price bid shall include the cost of all labor, materials and equipment necessary to complete the work as specified. Excavation, backfill and surface restoration will be paid for separately under their appropriate items.

Payment will be made under:

<u>Item No.</u>	<u>Item</u>	<u>Pay Unit</u>
C604.0560xxx	Connect Existing xxx Lateral to New Sewer	EA
C604.0561xxx	Connect New xxx Lateral to Existing or New Sewer	EA
C604.0562xxx	Connect New xxx Sewer to Existing Manhole	EA
C604.0563xxx	Connect New xxx Sewer to Existing Stone Box Sewer	EA
C604.0564xxx	Connect New xxx Sewer to Existing Sewer with Concrete Collar	EA
C604.0565xxx	Connect New xxx Sewer to Existing Sewer with Elastomeric Sleeve	EA
C604.0566xxx	Connect New Manhole to Existing xxx Sewer	EA
C604.0567xxx	Connect New Catch Basin to Existing xxx Lateral	EA
C604.0568xxx	Connect New Manhole to Existing Or New xxx Sewer with Outside Drop Connection	EA
C604.0569xxx	Connect Existing Manhole to Existing Or New xxx Sewer with Outside Drop Connection	EA