

Special Provision to Item 7244

Water Mains



Item 7244, "Water Mains" of the Standard Specifications is amended with respect to the clauses cited below. No other clauses or requirements of this Item are waived or changed.

Article 7244.3., "CONSTRUCTION," is supplemented with the following:

3.24. B 2.34 Adjustment or Relocation of Water Services, Meters and Meter Boxes

The Contractor must be responsible for relocating or adjusting (horizontal and vertical), and bringing to grade water services, water meters, and meter boxes, within the limits of this project. This must include the adjustment or relocation of the service line on the City's side of meter (from main to the meter), the quarter bend, the curb stop or angle valve, depending on service size, and the meter. The meter with curb stop or angle valve must be adjusted to 6 in. to 8 in. below the final grade. Relocation or adjustment of the customer's service line must be performed by a licensed plumber. All the work must be in accordance with the latest revisions of the Standard Specifications for Waterworks and Sewerage Improvements. The Contractor must also endeavor to keep meters accessible during the project construction for reading purposes. In the event the meters are covered during construction, mark their locations with stakes and uncover the meters within 24 hr. when notified to do so by the inspector. Water meter boxes broken by the Contractor must be replaced at the Contractor's own expense. If any portion of the meter box is in a concrete sidewalk, the meter box must be relocated to outside the limits of the sidewalk and driveway, and replaced with a meter box approved by the City. As directed by the inspector, each meter adjustment or relocation must be surveyed, and a Grade Verification Sheet must be completed by the Contractor and inspector. All adjustments and relocations will be subsidiary to other bid items.

3.25. B 2.35 Vertical Adjust of Sanitary Sewer Manholes, Sanitary Sewer Cleanouts, and Water Valves

All water valves, sanitary sewer manholes, and cleanouts will be marked and located by the engineer or his representative before the start of construction. Before the application of the lime or cement slurry, all manholes, cleanouts, and water valves must be adjusted to approximately 1 ft. below the bottom of the proposed subgrade. Before the placement of any pavement, verify the locations of all valves, manholes, and cleanouts that were previously located by the inspector. For existing manholes that are being adjusted to proposed grade, replace old manhole ring and lid with new manhole ring and lid (Bass & Hays VRM 30 or approved equal). All manholes, water valves, and cleanouts may be blocked out or brought to proper grade before placement of concrete pavement. Where hot mixed asphaltic concrete is used, adjustment to proper grade must be made after placement of the top layer of coarse grade binder. It must then be encased in concrete for a minimum of 6 in. in depth and the concrete must be a minimum of 12 in. wide at all points around the water valves, cleanouts, or manholes. Valve stacks must be ductile iron only. In the event the top of the operating nut for any valve is more than six 6 ft. deep from the finished ground elevation, valve stem extensions must be furnished and installed by the Contractor to bring the operating nut to within 3 ft. of the finished ground level. Payment for the valve stem extension must be subsidiary to other unit prices bid in the proposal.

It must be the sole function of the Contractor to re-establish the location of all valves, manholes, cleanouts, etc. If the Contractor, through carelessness or negligence, damages any valve, manhole, or cleanout that has previously been located for him, it will be the Contractor's responsibility to replace the same. Should the Contractor fail to re-establish the location and adjust any valve, manhole, or cleanout, he will be required to perform the necessary work to raise the same at no additional charge to the City of Colleyville.

Where manholes, cleanouts, or gate valves are to be raised within the proposed fill slopes or in areas other than a concrete or asphalt surface, the manhole, cleanout or gate valve must be raised at least 6 in. higher than the proposed finished grade.

Sanitary sewer manholes may be adjusted up to 12 in. in additional height above the cone section with grade rings. Adjustments over 12 in. must be accomplished using pre-cast or cast-in-place manhole sections with GS5.

Article 7244.4., "MEASUREMENT," is voided and replaced with the following.

This Item will be measured as follows:

Water Main Pipe. Measured by the foot, of the various sizes and types specified. Water mains will be measured along the axis of the pipe and no deductions will be made for valves or fittings.

Install Water Service Lines. Measured by each service line installed.

Reconnect Existing Water Service. Measured by each service line reconnected.

Remove Fire Hydrants. Measured by each assembly removed and disposed of properly.

Install Fire Hydrant. Measured by each assembly, including a 6 in. gate valve and box, regardless of depth.

Gate Valves. Measured by each assembly constructed, of the various sizes specified.

Air Release Valves. Measured by each assembly constructed, of the various sizes specified.

Connect to Existing Water Lines. Measured by each connection, of the various sizes specified.

Remove Water Meter and Box. Measured by each assembly removed and disposed of properly.

Remove Existing Water Line. Measured by the foot of existing water line that is to be removed of the various sizes specified.

Ductile Iron Fittings. Measured by ton for ductile iron fittings needed, of the various sizes specified.

Sanitary Sewer Cleanout Adjust. Measured by each cleanout adjusted.

Article 7244.5., "PAYMENT," is voided and replaced with the following:

The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit prices bid for the items of work described below. These prices are full compensation for furnishing, hauling, placing, and installing the materials; for inspecting and testing; and for other materials, labor, equipment, tools, and incidentals.

Water Main Pipe. Payment for water main pipe will be made at the unit prices bid for "Water Main (PVC)(DR 18 C900)," of the various sizes and types specified.

Unless otherwise shown on the plans or specifications, excavating, disposing of unsuitable excavated material, backfilling, for the complete installation of the water main system, are subsidiary to this bid Item.

Install Water Service Lines. Payment for install water service lines will be made at the unit price bid for "Install Water Service Line." This price is full compensation for labor, materials, excavation, and backfill required to install the facility of the various sizes and types found.

Reconnect Existing Water Service. Payment for reconnecting water service lines will be made at the unit price bid for "Reconnect Existing Water Service." This price is full compensation for labor, materials, excavation required to reconnecting the customer's water service line of the various sizes and types found.

Remove Fire Hydrants. Payment for removing fire hydrants will be made at the unit price bid for "Remove Fire Hydrant." This price includes removing valves from the existing location, disposing of the valves, and plugging at the tee. Excavation and backfill required for removing fire hydrants are subsidiary to this bid item.

Install Fire Hydrant. Payment for installing a fire hydrant assembly will be made at the unit price bid for "Install Fire Hydrant." This price is full compensation for labor, materials, excavation, and backfill required to install the fire hydrant assembly regardless of barrel depth and includes 6 in. gate valve and box.

Any adjustment required either in the flow line of the water main or to the barrel length of the fire hydrant is subsidiary to this bid item.

Gate Valves. Payment for gate valves of various sizes specified will be made at the unit price bid for "8" Gate Valve" and "12" Gate Valve." This price is full compensation for labor, materials, excavation, and backfill required to install new gate valves.

Air Release Valves. Payment for air release valves of various sizes specified will be made at the unit price bid for "Air Release Valve (2")." This price is full compensation for labor, materials, excavation, and backfill required to install air release valves.

Connect to Existing Water Lines. Payment for connecting to existing water lines will be made at the unit price bid for "Connect to Existing Water Lines." This price is full compensation for labor, extra materials, and excavation required to connect proposed water lines to existing water lines of various sizes specified and found.

Remove Water Meter and Box. Payment for removing meters and boxes will be made at the unit price bid for "Remove Meter and Box." This includes salvaging the meter strainers and valves and delivering them to their owner at the location shown on the plans or as directed.

Remove Existing Water Line. Payment for removing existing water line of the various sizes specified will be made at the unit price bid for "Remove Existing Water Line (8")." This price is full compensation for labor, materials, excavation, and backfill required to remove existing water lines of the various sizes specified or found.

Ductile Iron Fittings. Payment for ductile iron fittings will be made at the unit price bid for "Ductile Iron Fittings," of the sizes indicated. This price is full compensation of any water line fitting material needed for installation of proposed water line.

Sanitary Sewer Cleanout Adjust. Payment for each sanitary sewer cleanout adjusted will be made at the unit price bid for "Sanitary Sewer Cleanout Adjust." The excavation and backfill required are subsidiary to this bid item.