

ITEM 915 WYES, FITTINGS AND CLEAN-OUTS**915.01 Description****915.02 Materials****915.03 General****915.04 Method of Measurement****915.05 Basis of Payment**

915.01 Description. This work consists of furnishing and installing plugged Wye fittings in the sewer where shown on the plans or directed by the Engineer and as specified in this section. The Wye fitting shall be of the type specified or shown on the plans and shall be of the same type of material as the lateral sewer, or as directed by the Engineer. Construct clean-outs in accordance with the standard drawing and of the same type of material as the lateral sewer, or as directed by the Engineer. Provide cleanout spacing no greater than 100 feet (30 m).

Install risers in accordance with Item 914, when the depth exceeds 10 feet (3.0 m) from the lateral sewer fitting to a point 9 feet (2.7 m) plus or minus 1 foot (0.3 m) from existing or proposed surface elevation, whichever is higher.

915.02 Materials. Furnish and install all materials in accordance with the plans or as directed by the Engineer conforming in all respects to the applicable provisions of Item 901 and Item 914.

915.03 General. Perform the insertion of fitting connectors into all pipe sewers in a manner satisfactory to the Engineer.

When installing a a fitting connection as a part of the construction of a new sewer line, construct the connection by installing a prefabricated solid wye fitting pipe section. Construct the wye section of the same material as the main line sewer. For flexible sewers 18 inches (457 mm) and larger, make the connection by installing an insert-a-tee fitting or an approved equal in accordance with the manufacturers direction.

Securely seal the end of each fitting with a stopper or cap, to form a water tight closure and so that removal of the stopper or cap later will not damage the gaskets.

Above each sewer fitting, set a 4 in by 4 inch (100 by 100 mm) pressure-treated or hardwood pole extending to a point above the partial backfilling. Brace the pole in such a manner as to hold it firmly in position during complete backfilling. After the Engineer has located the poles, cut off the pole to a point slightly below the original ground surface at no additional cost to the City.

The City will accept the following connections for use on existing city sewer main lines:

Clay Main Line.

1. Insert clay wye into main by using a Fernco Series 5000, or approved equal, clay to clay coupling.
2. Insert a clay wye/saddle into the main and concrete encase the saddle connection.
3. Insert a PVC wye connection into the main using a Fernco Series 5000 Clay to PVC couplings.

915.04

- 4. Core drill and install an insert-a-tee fitting.

Concrete Main (15 inch (381 mm) and under).

- 1. Insert a clay wye into the main by using a Fernco Series 5000, or approval equal, concrete to clay coupling.
- 2. Insert a PVC wye into the main by using a Fernco Series 5000, or approved equal, concrete to PVC coupling.
- 3. Core drill and install an insert-a-tee fitting.

Concrete Main (18 inch (457 mm) and larger).

- 1. When making sewer taps into an existing concrete pipe of 18 inches (457 mm) or larger in diameter, core drill the concrete main line sewer and install a Kor-n-Tee boot or an approved equal in accordance with the manufacturer’s directions. Complete the connection in accordance with the standard drawings.
- 2. Core drill and install an insert-a-tee fitting.

PVC Main.

- 1. When making sewer taps into an existing PVC pipe sewer, install a prefabricated solid PVC Wye fitting pipe section with repair couplings as stated in 720.08 and 720.09.
- 2. Core drill and install an insert-a-tee fitting.

When making sewer taps into an existing sewer not covered in the above requirements, make the tap in a manner approved and directed by the Engineer.

915.04 Method of Measurement. The Engineer will measure the number of Wye fittings or clean-outs of each kind installed and accepted.

915.05 Basis of Payment. The City will pay the number of each kind of fitting accepted at the contract unit price for each.

The City will pay under:

Item	Unit	Description
915	Each	____ Inch (mm) x 6 Inches (mm) Diameter Wye Fitting
915	Each	____ Inch (mm) x 6 Inches (mm) Diameter Insert-a-Tee Fitting
915	Each	____ Inch (mm) x 6 Inches (mm) Diameter Kor-N-Tee Fitting
915	Each	Clean-out