

SP27 - TEMPORARY WATER SERVICE

Description. This work shall consist of the installation of a temporary water service pipe, including the disconnection of the existing water service, new temporary corporation stop, tapping the existing water main, and a new temporary PEX water service to the existing customer curb stop, as shown on the plans and as directed by the Engineer. All at grade PEX service lines shall be sleeved when crossing a paved surface with the potential for vehicular traffic.

This work shall be completed in accordance with Section 562 of the Standard Specifications, Section 41-2.11 of the Water and Sewer Specifications and applicable County Standard details and include the installation of a new service line from the water main to a new water service valve box in the vicinity of the existing service valve box.

The work shall include the connection of the new temporary service to the existing curb stop. The Contractor shall provide the fittings necessary to connect the existing service boxes to the new temporary water service lines regardless of the service size or material composition.

Construction Requirements. Water Service Lines shall be PEX, 1", for the above ground temporary service conforming to ASTM F877 and NSF 61 approved for use on potable water. The pipe shall be marked with manufacturer's name or trademark and a mark indicative of the type of pipe. The outside diameter of the pipe and minimum weight per foot of the pipe shall not be less than that listed in ASTM F876.

All temporary service lines shall be installed at existing grade, run to the existing curb stop and tied into the existing service pipe unless otherwise allowed by the Engineer.

No splices shall be installed between the new corporation stop and the existing curb stop box.

All work shall be in accordance with the details on the plans and applicable County Standard details. No water customer shall be without water in excess of two (2) hours and shall be notified prior to disconnecting service.

Method of Measurement and Basis of Payment. This work shall be measured and paid for at the contract unit price each for TEMPORARY WATER SERVICE, of the size range noted, which payment shall be full compensation for all work, including disconnecting the existing water service, tapping the water main, corporation stop, PEX water service line, connection to the existing water curb stop, bushings, unions, or other fittings necessary for the work. The work shall also include all required excavation and backfill (including Trench Backfill as needed) in accordance with the plans. The work for all other restoration including driveway, sidewalk, curb and gutter, and seeding as shown on the plans shall be paid for separately.

SP28 - TEMPORARY NORTH LIBERTYVILLE ESTATES BYPASS

Description. This work shall consist of the installation of a temporary bypass for the North Libertyville Estates connection to the Countryside Manor Water Distribution System as shown on the plans and as directed by the Engineer.

This work shall be completed in accordance with Section 562 of the Standard Specifications, Section 41-2.11 of the Water and Sewer Specifications and applicable County Standard details.

The work shall include the connection of the new temporary 6" bypass to existing 6" water main directly east of the 6" water valve used to isolate the water main along the Forest Preserve, north of 15745 Birchwood Ln. The Contractor shall provide the fittings necessary to connect the temporary 6" bypass to the existing 8" Libertyville Estates Feed. All piping and above ground joints shall be Certa-Lok Restrained Joint PVC pipe. The bypass shall include a 6" valve on both ends of the bypass to allow for the easy operation of the bypass during additional construction operations.

Construction Requirements. The temporary bypass shall be C900 DR-18, PVC, 6", for the above ground temporary bypass conforming to the latest ANSI/AWWA C151/A21.51-86, C111, and C104 and shall be NSF 61 approved for use on potable water. The pipe shall be marked with manufacturer's name or trademark and a mark indicative of the type of pipe. The contractor shall be responsible for the operation of the temporary bypass while it is in use. The contractor is required to be on site whenever the bypass is in use.

All work shall be in accordance with the details on the plans and applicable County Standard details. Lake County Public Works shall be informed when the bypass is flowing to North Libertyville Estates and in the event that the bypass is required to be closed.

Method of Measurement and Basis of Payment. This work shall be measured and paid for at the contract unit price each for TEMPORARY NORTH LIBERTYVILLE ESTATES BYPASS, of the size range noted, which payment shall be full compensation for all work, including tapping the water main, installation of the 6" C900 Certa-Lok Restrained Joint PVC bypass, bushings, unions, or other fittings necessary for the work, and the operation of the bypass during horizontal directional drilling water main installation. The work shall also include all required excavation and backfill (including Trench Backfill as needed) in accordance with the plans. The work for all other restoration including driveway, sidewalk, curb and gutter, and seeding as shown on the plans shall be paid for separately.