

PEQUANNOCK RIVER BASIN REGIONAL SEWERAGE AUTHORITY

SPECIFICATIONS FOR DIRECT CONNECTIONS TO PRBRSA REGIONAL INTERCEPTOR FACILITIES

The following specifications pertain to direct connections to the PRBRSA regional interceptor facilities. For the 30 and 36-inch diameter PRBRSA Interceptor, consisting of prestressed concrete cylinder pipe, due to the material of construction, the depth of the interceptor sewer and other factors, taps into the pipeline itself are expressly prohibited. All connections into the PRBRSA Interceptor will be made at existing manholes.

The following specifications govern the work to be done at existing manholes on PRBRSA interceptor facilities:

A. Construction Permit

Prior to any work on PRBRSA-owned facilities, a “PRBRSA Construction Permit” must be obtained from the Authority. All work on or affecting PRBRSA facilities requires 72-hour prior notice and shall be performed in the presence of an Authority inspector or authorized agent.

B. Maintenance of Flow

All work on PRBRSA facilities shall be done without interruption of flow unless specifically authorized by the Authority. Prior to any work being performed in a manhole, screens or other protective devices shall be placed over the channel and shall be left in place during all construction and cleanup work to prevent debris from entering the line.

C. Method of Connection

To maintain the watertight and structural integrity of the existing manholes, all openings shall be performed by coring methods. Jackhammering or other similar methods which may damage the structural integrity of the manhole and/or produce an irregular opening will not be permitted.

D. Connection Seals

Manhole coring shall be sized to provide adequate annular space between the outside diameter of the pipe and the manhole wall opening for the installation of the “link seal” or other Authority-approved equal sealing device. All connections into manholes shall be made with a plain-end by plain-end ductile iron pipe stub which shall extend no more than three (3)

feet beyond the outside face of the manhole wall. A concrete collar shall be placed around the pipe insert at the outside face of the manhole wall, six (6) inches thick and extending a minimum of eight (8) inches beyond the outside diameter of the pipe. The stub connection shall be fully bedded and encased in ¾-inch crushed stone.

E. Manhole Benching

Prior to coring, the existing concrete bench within the manhole shall be broken out sufficiently to allow for the coring operation and to permit adequate clearance for “grouting in” the new pipeline and its channel transition to the existing sewer.

F. Testing

All new gravity sewer mains shall be tested for infiltration at a maximum rate of 50 gallons per inch of pipe diameter per mile per day and shall be air-tested for exfiltration at four (4) to five (5) psig.

Force mains shall be leakage and pressure tested in accordance with AWWA Standard Specification C600-87. The hydrostatic pressure shall be 1.5 times the normal working pressure or 100 psi whichever is greater.

G. Authorization to Operate

All installations to PRBRSA facilities shall be inspected by the Authority prior to use. A mechanical plug shall be maintained in the new line until such time as it is tested, certified and approved for operation by PRBRSA. All certifications shall be by a state-licensed, professional engineer in the State of New Jersey indicating that the engineer has witnessed the pressure testing and certifying that the pipeline has passed in accordance with industry standards.

Inspection fees, application fees and other charges for connections to PRBRSA facilities shall be in accordance with the schedule of rates and charges as adopted by the Pequannock River Basin Regional Sewerage Authority.