

**DESCRIPTION**

Work shall consist of abandoning existing water mains as shown on the plans and as directed by the Engineer.

**MATERIALS**

Materials shall conform to the requirements as follows:

Pressure treated timbers - Southern Yellow Pine with a minimum manufacturer's guarantee of 30 years against rotting or decay.

Ductile iron water pipe and fittings – NYSDOT Standard Specifications section 722-01

Concrete – NYSDOT Standard Specifications Section 501

Plywood – Minimum thickness 3/4”

**CONSTRUCTION DETAILS****GENERAL**

All work shall be coordinated with Monroe County Water Authority (MCWA).

Abandon existing water mains on each street after new water main and its hydrants are placed in service and all services on main to be abandoned have been transferred or replaced.

Coordinate with MCWA for shut down of existing water mains for each water main abandonment location.

Have all labor, equipment, and material on site for all water main abandonment possibilities. Excavate at water main and locate connection to water main to be abandoned or point of abandonment.

Engineer shall determine type of abandonment to be performed and its exact location for each water main abandonment.

After completion of each abandonment and before backfilling, place water main back in service. Repair any leaks.

Backfill abandonment excavation and restore disturbed area.

**CORPORATION ABANDONMENT**

Also applies to disinfection, sampling, and blow-off tap assemblies.

Remove corporation or multiple corporations from water main that is to remain in service including any tapping saddles. Thread openings if necessary and install brass plugs in

water main pipe.

**TEE CONNECTION ABANDONMENT**

Remove tee, tapping sleeve and valve or other connecting fitting with three (3) separate pipe cuts. Cut out a minimum of 36” of pipe in water main that is to remain in service. Extend cuts, if necessary, along water main to remain in service so that no existing pipe joint will be within 24” of a coupling.

Install a nipple and two (2) straight couplings. Plug end of abandoned water main.

**IN-LINE MAIN ABANDONMENT**

At point of abandonment, cut a maximum of 36” of pipe. Install an end cap coupling on water main to remain in service and plug water main to be abandoned. Place an adequately sized section of plywood (minimum 3/4” thick) or steel plate against water main to be abandoned in order to contain the concrete thrust block from remainder of trench along abandoned water main.

Place an adequately sized pressure treated timber tightly between ends of the water mains.

Install concrete thrust block around timber to dimensions which meet the required undisturbed soil bearing area as set forth in the Typical Thrust Block Detail.

**METHOD OF MEASUREMENT**

Quantity to be measured for payment shall be the number of water main abandonments performed.

**BASIS OF PAYMENT**

Unit price bid shall include the cost of: excavation, cutting, dewatering, necessary fittings, removal of pipe and fittings, and backfill, and furnishing all labor, material and equipment necessary to complete the work in acceptance with the specification and as indicated on the plans.

Payment will be made under:

<b><u>Item No.</u></b>	<b><u>Item</u></b>	<b><u>Pay Unit</u></b>
C660.10	Water Main Abandonment	EA