

**SPECIAL SPECIFICATION SS1510
HANDLING ASBESTOS CEMENT PIPE****1510.1 Description**

The Work covered by this item consists of furnishing all labor, supervision, tools, equipment, appliances, and materials to perform all operations in connection with handling asbestos cement pipe that is encountered during construction.

Asbestos Cement (AC) pipe as defined by Occupational Safety and Health Administration (OSHA) Title 29 CFR Section 1926.1101 – Asbestos

1510.2 Qualifications

Contractors shall be responsible for providing staff that is competent in handling the AC pipe per OSHA Title 29 Code of Federal Regulations (CFR) Section 1926 – Safety and Health (S&H) Regulations for Construction

1510.3 Submittals

The submittal requirements of this specification item may include:

- A. The Contractor will be required to provide a written plan/sketch for implementation that meets the requirements of OSHA.
- B. Upon disposal of the AC pipe, Contractor shall provide a manifest demonstrating proper disposal of the AC pipe per OSHA requirements.

1510.4 Materials**A. ACM Bags**

Bags used to store AC pipe shall be 6-mil AC waste bags

1510.5 Construction**A. General**

Contractors shall not use procedures that subject the AC pipe to forces that will crumble, pulverize, or reduce to powder the AC pipe.

B. Tapping AC Water Main

- a. Taps ≤ 1 " shall follow detail 520S-WMT-SM.
- b. Taps > 1 " are not allowed. When a tap is proposed on an existing AC pipe the contractor will replace the AC pipe segment with PVC or DI pipe per section **1510.D Connecting to AC Water Main**

C. Removal Of AC Water Main

The Contractor shall expose the AC pipe 48 hours before planned removal to confirm size and location of the joints. The Contractor shall notify the Engineer of the location of the joints so the Engineer can determine if additional pipe will need to be removed in order to properly restrain the connection.

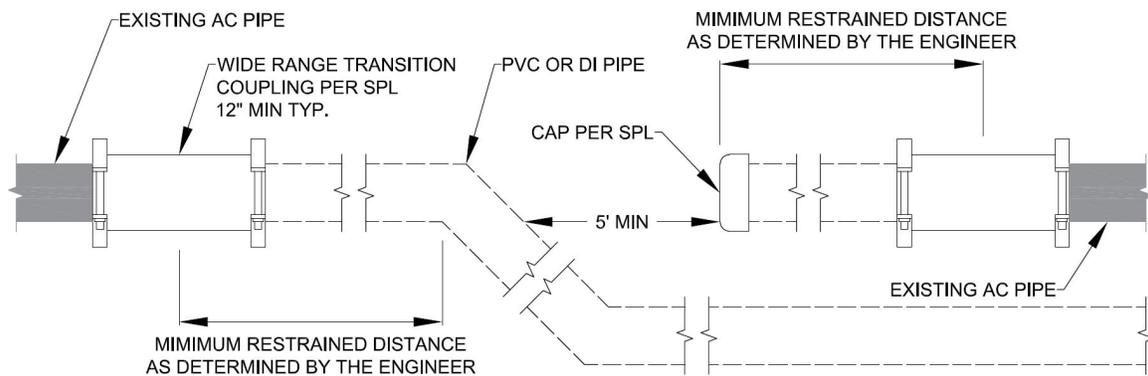
The Contractor shall excavate and remove the pipe in accordance with the written plans submitted per 1510.3.

D. Connecting to AC Water Main

Parallel Connection

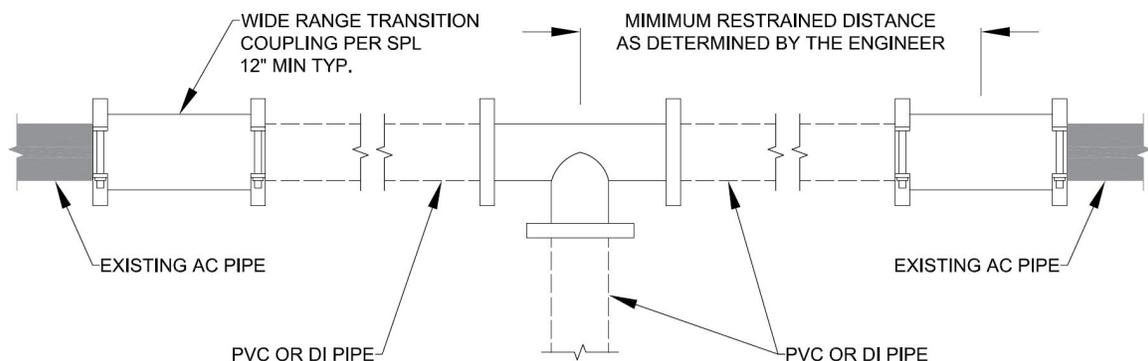
Once the existing AC pipe is removed, the Contractor shall connect to the AC pipe with wide range transition coupling per the exhibit below.

1. If the existing AC main is to remain active, the Contractor shall install a 12" long wide range coupling and a minimum of 20 LF of PVC or DI Pipe
2. If the existing AC main is not active, the abandoned pipe shall be capped with concrete.



Perpendicular Connection

When a tap is proposed on an existing AC water main, the contractor will replace the AC pipe segment with PVC or DI pipe per the City Standard Product List (SPL). The Engineer will determine how many joints of AC pipe must be removed in order to achieve a fully restrained connection. New pipe will be connected to the existing AC pipe with a wide range coupling adaptor per City SPL.



E. Air Monitoring

Air monitoring, if required by OSHA, will follow the requirements indicated in the written plans submitted per 1510.3.

F. Disposal of the AC Water Main

AC pipe shall be disposed of per OSHA requirements at a facility licensed to accept AC pipe. Contractor shall submit an AC manifest to demonstrate proper disposal.

1510.6 Measurement

AC pipe shall be measured by the linear foot of AC pipe removed.

Measurement for wet connections, PVC or DI pipe and fittings shall be paid for per Item 510 Pipe.

1510.7 Payment

Payment for AC pipe removed, measured as prescribed above, will be made at the unit price bid per linear foot, regardless of the size of pipe. Payment shall include full compensation, in accordance with the pay item established in the bid, for excavation, trench protection, air monitoring, transition couplings, caps and other required fittings, mobilization, and all incidental materials and work; preparing, protecting, dewatering, bedding, placing and compacting backfill materials and for all other incidentals necessary to complete the installation, as indicated in the Drawings, complete in place. No additional payment will be made for the removal of the additional AC pipe (above and beyond what is indicted by the Engineer) due to the damage, mishandling, and or excavation operations during removal process. The price shall include required disposal fees and transportation costs. Payment will not be made until the contractor submits a manifest per section 1510.3.B.

Pay item SS1510:	AC Pipe Removal	Per LF
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END OF SECTION 1510