



CONSTRUCTION SPECIFICATION FOR PRESERVATION, PROTECTION, AND RECONSTRUCTION OF EXISTING FACILITIES

TABLE OF CONTENTS

491.01	SCOPE
491.02	REFERENCES - Not Used
491.03	DEFINITIONS
491.04	DESIGN AND SUBMISSION REQUIREMENTS - Not Used
491.05	MATERIALS - Not Used
491.06	EQUIPMENT - Not Used
491.07	CONSTRUCTION
491.08	QUALITY ASSURANCE - Not Used
491.09	MEASUREMENT FOR PAYMENT - Not Used
491.10	BASIS OF PAYMENT

491.01 SCOPE

This specification covers the requirements of preservation, protection, replacement, and reconstruction of existing services and structures during the installation or removal of sanitary and storm pipe sewers, pipe culverts and end sections, forcemains and associated appurtenances, watermains and associated appurtenances, and other underground Utilities; maintenance holes, catch basins, ditch inlets, or valve chambers; and any other specified subsurface construction.

491.03 DEFINITIONS

For the purpose of this specification, the following definitions apply:

Associated Appurtenances means structures, devices, and appliances, other than pipe and conduit, which are used in connection with a water distribution system, such as valves, hydrants, corporation cocks, services, and thrust restraints.

491.07 CONSTRUCTION

491.07.01 General

The requirements and regulations of road authorities, Utility companies, and railway companies shall be adhered to at all times.

491.07.02 Notification

All road authorities, Utility companies, and railway companies shall be notified in writing at least 48 hours before approaching their facilities or entering their rights-of-way.

All owners of underground services shall be requested to locate, stake, and clearly mark in the field all underground services which are located on or near the line of the proposed work. Certificates shall be obtained from all owners of underground services having facilities in the area of the proposed work certifying that their facilities have been marked to confirm the Utility location.

Necessary arrangements shall be made with railway companies for the support and protection of their tracks.

491.07.03 Existing Services and Structures

All water and gas mains, sewers and drains, conduits, cables, service pipes, sidewalks, curbs, and any other structures or property in the vicinity of the work, whether above or underground shall be sustained in place and protected from damage. All water and gas services, and flows in all sewers, drains, house or inlet connections, and all watercourses encountered during the progress of the work shall be maintained.

Excavation shall be performed with care to expose buried pipes, cables, conduits, and structures whenever trenching operations approach the indicated location of buried services.

If any Utility is broken or damaged, the Utility company shall be immediately notified.

Access to fire hydrants and water and gas valves shall be maintained at all times to the satisfaction of the local authority.

491.07.04 Reconstruction of Existing Facilities

Where an existing Utility is within the limits of or crosses an excavation and cannot be sustained in place, the existing facility shall be removed, realigned, relocated, or replaced as directed in writing by the Contract Administrator. All materials comprising the Utility shall be handled with care, cleaned, salvaged, and inspected before reconstruction commences.

491.07.05 Contamination

The contents of any sewer, drain, or inlet connection shall not be allowed to flow into an excavation.

All offensive matter shall be removed from the proximity of the work.

491.07.06 Management of Excess Material

Management of excess material shall be as specified in the Contract Documents.

Payment for preservation, protection, and reconstruction of existing facilities shall be at the Contract price for the appropriate tender items for the installation of sanitary and storm pipe sewers, pipe culverts and end sections, forcemains and associated appurtenances, watermain and associated appurtenances, and other underground Utilities; maintenance holes, catch basins, ditch inlets or valve chambers; and any other specified subsurface construction.

When the Contract contains separate items for work required by this specification, payment shall be at the Contract prices and according to the specifications for such work.