



**CONSTRUCTION SPECIFICATION FOR
SITE PREPARATION FOR PIPELINES, UTILITIES,
AND ASSOCIATED STRUCTURES**

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490.01 SCOPE

This specification covers the requirements of site preparation for the installation 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.

490.02 REFERENCES

This specification refers to the following standards, specifications, or publications:

Ontario Provincial Standard Specifications, Construction

OPSS 201	Clearing, Close Cut Clearing, Grubbing, and Removal of Surface and Piled Boulders
OPSS 206	Grading
OPSS 706	Temporary Traffic Control Devices
OPSS 801	Protection of Trees
OPSS 802	Topsoil
OPSS 804	Temporary Erosion Control

490.03 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.

490.07 CONSTRUCTION

490.07.01 General

Site preparatory work shall be performed prior to the installation of the pipelines, Utilities, and associated structures.

490.07.02 Removal of Existing Signing

Removal of existing signing shall be according to OPSS 706.

490.07.03 Clearing and Grubbing

Clearing and grubbing and related work shall be according to OPSS 201 and as specified in the Contract Documents.

490.07.04 Shrub and Tree Relocation

Shrubs and trees to be relocated shall be protected according to OPSS 801 in their original and final locations.

Shrub and tree relocation shall be as specified in the Contract Documents.

490.07.05 Tree Protection and Pruning

Tree protection and pruning shall be according to OPSS 801.

490.07.06 Stripping and Stockpiling Topsoil

Stripping of topsoil shall be according to OPSS 206. Topsoil shall be removed carefully in the Work Areas and shall not be mixed with subsoil or other materials.

Stockpiling of topsoil shall be according to OPSS 802 and as specified in the Contract Documents. Topsoil stockpiles shall not be placed in or near tree stands, or on any root zones of trees which occur in the area of the dripline plus 3 metres. Nor can the topsoil or stockpiles be placed in or along flood plains, or in areas containing natural wildlife habitats.

Perimeter drainage ditches shall be constructed to intercept and divert run-off to adjacent settling ponds. Stockpiles shall be protected to ensure minimum environmental interference.

490.07.07 Erosion and Sediment Control

The installation, monitoring, maintenance, and removal of temporary erosion and sediment control measures shall be according to OPSS 804 and OPSS 805 and as specified in the Contract Documents.

490.07.08 Removal of Fences and Guide Rails

Property owners or occupants shall be given at least 24 hours notice in advance of dismantling fences.

Fences and guide rails shall be dismantled, where necessary. All components that are broken, bent, or damaged as a result of the operation shall be removed from the site and replaced with new components.

All reusable components shall be stored and protected.

490.07.09 Management of Excess Material

Management of excess material shall be according to the Contract Documents.

490.10 BASIS OF PAYMENT

Payment for the site preparation for pipelines, Utilities, and associated structures 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, watermains 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.