

Part 1 - General

1.01 Description

- .1 This Section is supplemental to OPSS.MUNI 492 and shall supersede conflicting specifications within OPSS.MUNI 492.

1.02 Related Specification

- .1 Construction Specification Section 02749 - Roadway and Driveway Construction
- .2 Construction Specification Section 02930 - Trees and Shrubs
- .3 OPSS 492 - Construction Specification for Site Restoration Following Installation of Pipelines, Utilities and Associated Structures
- .4 OPSS.MUNI 802 – Construction Specification for Topsoil
- .5 OPSS.MUNI 803 – Construction Specification for Sodding
- .6 OPSS.MUNI 804 – Construction Specification for Seed and Cover

1.03 Basis of Payment

- .1 Where the proposed pipe sewer, watermain, structure or related appurtenance to be constructed is located within the limits of grading operations for road or approach works, payment for all costs to restore the disturbed area in accordance with this Section shall be deemed to be included in the unit price bid for applicable roadwork item.
- .2 Where the proposed pipe sewer, watermain, structure or related appurtenance to be constructed is located outside the limits of grading operations for road or approach works, or where no roadwork is proposed, payment for all costs to restore the disturbed area in accordance with this Section shall be deemed to be included in the unit price bid for applicable restoration item or, if no such item is present, in the unit price bid for the applicable pipeline, utility or associated structure work.

Part 2 - Materials

2.01 Welded Wire Mesh Reinforcement

- .1 Welded wire mesh reinforcement for sidewalks to be 150 mm x 150 mm weave, MW18.7 x MW 18.7 unless noted otherwise.

2.02 Topsoil

- .1 Topsoil shall be in accordance with Section 02905.
- .2 The Contract Administrator may accept stripped material from the site as a substitute for screened topsoil if, in his sole judgement, such stripped material meets the specification. The Contract Administrator may require quality testing of stripped material before accepting same.
- .3 If stripped material does not meet specification, topsoil shall be imported, screened topsoil.

2.03 Sod

- .1 Subsection 803.05.01 of OPSS 803 is amended by the deletion of the third sentence in paragraph 2, and replacing it with the following sentence:

There shall be no more than 5 broadleaf weeds per 40 square metres of sod.

2.04 Concrete for Sidewalks and Curbs

- .1 Concrete for sidewalks and curb and gutter systems is deemed to be exposure class C-2 according to CSA A23.1. Where the requirements of CSA A23.1 for exposure class C-2 are more stringent than Subsection 351.05.01 of OPSS 351 and Subsection 353.05.01 of OPSS 353, the more stringent requirements shall apply.

2.05 Seed

- .1 Seed shall be in accordance with OPSS.MUNI 804 or as amended in the Contract Documents.

Part 3 - Execution

3.01 Roadway Restoration

- .1 Do roadway restoration to Section 02749.

3.02 Concrete Sidewalk and Concrete Curb & Gutter

- .1 Construct concrete sidewalks and concrete curb and gutter in accordance with OPSS 351 and OPSS 353 respectively, except as specified otherwise, and to the details specified on the Contract Documents.
- .2 Wire mesh reinforcement shall be used at all commercial and industrial driveways.
- .3 Sidewalk shall be placed on granular base where specified.
- .4 Match existing grades, joint patterns and finish.
- .5 Construct contraction joints at intervals not exceeding 2.0 m.
- .6 Construct expansion joints at intervals not exceeding 6.0 m. Provide expansion joints where sidewalk abuts other concrete structures, walks, curbs, utility poles, hydrants maintenance holes and any other location specified by the Contract Administrator.
- .7 Isolate utility poles, hydrants, maintenance holes and other utility structures and appurtenances according to OPSD 310.040.
- .8 Increase sidewalk width to 1.8 m where adjacent to curb and gutter.
- .9 Construct sidewalk ramps at intersections according to the standards of the local municipality or, where there is no such local standard, according to OPSD 310.030 with a smooth transition to curb (no lip).

3.03 Preparation of Areas to Receive Sod and Seed/Mulch

- .1 Subsection 802.07.02 of OPSS.MUNI 802 is deleted in its entirety and replaced with the following:

Areas where topsoil is to be placed shall be fine graded to a uniform surface according to OPSS.MUNI 206. The subgrade shall be compacted to 95% Standard Proctor Density. The surface shall then be loosened to a depth of 25 mm. The surface shall be free of vegetation and other debris, and free of stones over 25 mm in any dimension.

The prepared subgrade surface shall be at a depth to allow for placement of minimum 150 mm of compacted topsoil.

3.04 Placement of Sod

- .1 Subsection 803.07.04 of OPSS.MUNI 803 is amended by the addition of the following:

Sod shall be placed within 24 hours after delivery to the job site unless otherwise authorized by the Contract Administrator. Sod not placed within the permitted time shall be removed and disposed of off site and replaced with new sod meeting specifications.

Sod shall be rolled within 24 hours of being placed.

Sod shall be saturated immediately after rolling. The Contractor shall saturate the sod in such a manner as to prevent displacement. All areas of displaced sod shall be repaired immediately.

On all slopes 2:1 or steeper, every sod shall be pegged.

Sod along ditch inverts and one row on both sides of the ditch invert shall be pegged. Minimum width of sod to be pegged in ditches shall be 1.2 m.

- .2 Subsection 803.07.05 of OPSS.MUNI 803 is deleted in its entirety and replaced with the following:

Sod shall be maintained for a 30 consecutive Day maintenance period following acceptance.

For sod placed after September 30 in any calendar year, sod shall be maintained until May 30 of the following calendar year.

All sod placed is to be kept healthy, actively growing and green in leaf colour. The Contractor shall provide maintenance watering as required during the 30 Days maintenance period.

- .3 Subsection 803.08.02 of OPSS.MUNI 803 is amended by the addition of the following:

If surface soil should be visible between the rolls of sod the Contractor Administrator may, at his sole discretion, request the Contractor to correct the open joints by providing topsoil and seed, in lieu of repositioning the displaced rolls of sod.

END OF SECTION