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CONSTRUCTION SPECIFICATION FOR SODDING

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14.01 SCOPE OF WORK

This Specification refers the requirements for the restoration of grassed areas by sodding.

Starting from January 1, 2013, sodding shall be placed in single family residential areas and seeding in multi-residential, commercial, industrial and park areas unless specified otherwise in the contract documents or at the discretion of the City Engineer.

The work shall include:

1. Levelling, tilling or otherwise preparing existing areas of suitably arable soil
2. Placing sod
3. Applying fertilizer
4. Watering
5. Maintenance for 60 days

Unless otherwise specified, the prices quoted in the contract documents shall include the furnishing of all materials, supplies, equipment, and labour necessary to complete the work required under the contract documents.

14.02 REFERENCES

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

- S-34 Topsoil
- OPSS.MUNI 802 Construction Specification for Topsoil

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- OPSS.MUNI 803 Construction Specification for Sodding
- OPSS.MUNI 206 Grading

14.03 MATERIALS

The Contractor shall supply materials including but not limited to sod, fertilizer, and water as per OPSS.MUNI 803.05 and the contract documents.

14.04 CONSTRUCTION

14.04.01 PREPARATION

All work shall be carried out in a professional manner with care taken to protect existing structures and grassed areas. The work shall be undertaken in such a manner as to minimize the inconvenience to the residents and, as much as possible, blend with existing conditions. The grading shall be carried out as per OPSS.MUNI 206 and in such a manner as to provide positive drainage for all walkways, sidewalks, and driveways. Steps shall be taken to ensure that all existing drainage patterns are maintained and improved if possible and that the City right-of-way has positive drainage over roadside curbs or to an appropriate drainage inlet structure. Any correction required to obtain the above noted shall be at the expense of the Contractor.

Topsoil shall be supplied and placed as per OPSS.MUNI 802. After the tilling of suitably arable soil, left in place to a depth of at least 50mm, and prior to the placing of the sod, the site shall be reviewed by representatives from the City, General Contractor and Landscaping sub-contractor.

14.04.02 OPERATIONAL CONSTRAINTS

Sodding shall not commence until the surface preparation has been approved in writing by the Engineer. Sodding shall commence within 7 Days of surface preparation. The Contractor shall maintain the surface and control erosion until the sod is in place.

Sod shall not be placed when in a frozen condition, during summer months when weather conditions result in periods of dormancy, under adverse field conditions such as high wind, frozen soil, or soil covered with snow, ice, or standing water.

The following modifications and reminders shall be noted:

Pegging

Pegging shall be done where indicated in the Contract Documents. Plastic biodegradable stakes shall be allowed.

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Fertilizer

Fertilizer shall be applied as per OPSS.MUNI 803. The Contractor shall also implement the topsoil improvement recommended by a professional analysis report if it is applicable.

Water

The Contractor is to include all water costs in their bid price. The Contractor shall be responsible for the watering during the maintenance period as specified in Section 14.04.04. Watering shall be carried out as often as necessary to promote growth and rooting of the sod. The sod should never be allowed to become brown or dormant between the placing period and the end of the maintenance period. The City reserves the right to request the Contractor's records of watering. No additional compensation will be made for watering.

14.04.03 TRIMMING AND PLACING

The placement of the sod shall be as per OPSS.MUNI 803. The existing areas shall be neatly trimmed by the use of a sod cutter. The finishing grade shall match existing grade exactly and uniformly, blending with the existing surfaces to make a seamless transition. Care shall be taken to place all sod slightly below all sidewalks, lead walks, and driveways to ensure water runoff.

14.04.04 MAINTENANCE OF INSTALLED SOD

The maintenance period does not start until 100 percent of the sod is placed unless mutually agreed by the City of Windsor and the Contractor. The sod shall be maintained for 60 consecutive days after sodding is complete on the entire project, excluding the winter dormant periods between November 15 and April 15 as shown in Table 1 of OPSS.MUNI 803.

The Contractor shall take the responsibility of their lawn mowing, including the first cut during the maintenance period and as required throughout the maintenance period to maintain a height of 50 to 100 millimetres, unless otherwise specified in the contract documents. At the end of the maintenance period the sod shall be cut to a height of between 50 and 75 millimetres.

Where the Engineer is agreeable to late season placement of sod and it is not possible to determine the acceptability of the sod until the following growing season, those areas deemed unacceptable due to causes beyond the control of the Contractor (road salting, heavy pedestrian traffic, etc.) shall, at the discretion of the Engineer in consultation with the Contractor, be resodded at the unit price in the tender documents. The Contractor shall be paid for the original sodding and the area requiring resodding.

14.05 QUALITY CONTROL

The City shall take steps to record the acceptability of the sodded areas by the use of photos, videotaping or other means deemed necessary at the end of the maintenance period when the sodded areas are deemed acceptable. If after the maintenance period, the sodded restoration is not to City approval, the City reserves the right to extend the maintenance period until restoration is deemed acceptable.

14.05.01 INFORMATION TO THE RESIDENT

In conjunction with the placing of sod, the City shall inform the residents of the limits of the Contractor's responsibilities and what steps the resident can take to assist in promoting and maintaining a flourishing lawn (the first notice letter to the residents). The homeowners shall be informed in writing that the sodded areas have been deemed acceptable and further maintenance and care will be their responsibility at the end of the maintenance period (the second notice letter to the residents).

14.06 MEASUREMENT FOR PAYMENT

The placement of sod, including watering, cutting, fertilizing and weed spraying shall be paid based on the Schedule of Unit Prices in the Contract.

14.07 BASIS OF PAYMENT

Payment at the Contract price for the above items shall be full compensation for all labour, equipment, and materials to do the work. Payment shall include the supplying and placing of topsoil, seed, watering, weeding, fertilizing, and maintenance until final acceptance, as well as, seed replacement and water for seed when no separate item for payment exists for such work.