



THE CORPORATION OF THE CITY OF NIAGARA FALLS

REQUEST FOR QUOTATION - SERVICES

RFQ3-2022

Supply & Installation of Decorative Pathways and Associated Gardens at Cemetery Memorials

SCOPE OF WORK & GENERAL PROVISIONS

A. SCOPE OF WORK – DECORATIVE PATHWAYS

1.0 Background

1.1 The City of Niagara Falls administers, operates and maintains twenty cemeteries and one historical indoor columbarium within its boundaries. Fairview and Lundy's Lane Cemeteries are the largest and most active cemeteries, not only with respect to interments, but also through visitors, recreational users and community groups. In 2022, Niagara Falls Cemetery Services will expand the existing Holocaust Memorial at Lundy's Lane Cemetery with significant improvements to the landscaping. At the same time, a new Korean War, Battle of Gapyeong Victory Memorial will be established at Fairview Cemetery, adjacent to the Tomb of the Unknown Soldier and RCL Branch 51 Cenotaph. The respective projects are identified below and illustrated on the associated Drawings.

2.0 Specifications and Completion Date

- 2.1 The City of Niagara Falls Cemetery Services is requesting pricing for the supply and installation of interlocking pavers for the pathway/circular pathway surrounding the redesigned Holocaust Memorial at Lundy's Lane Cemetery as identified in **Drawing #1 – Holocaust Memorial Improvements Overview**; and the supply and installation of a interlocking pavers for the pathway/circular pathway for the new Korean War – Battle of Gapyeong Victory Memorial at Fairview Cemetery as identified in **Drawing #3 - Battle of Gapyeong Victory Memorial Overview**.
- 2.2 The work area sizes illustrated are not guaranteed as exact measurements. Bidders must measure the areas and satisfy themselves to the exact measurements prior to submitting a Quotation in response to this RFQ. The City of Niagara Falls will not consider nor pay for any extras from any Bidder due to work area measurements or work site conditions.
- 2.3 The Lump Sum Price shall consist of all necessary labour, equipment, parts, materials, site preparation, all work as described herein, supply and installation of

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paving stone or decorative concrete (i.e.: exposed aggregate), and including the necessary excavation and disposal of existing ground materials and the supply and placement of granular materials, stone screenings, paving stones or flagstones, decra edge, polymeric sand and all other required materials and work as described in this Request for Quotation.

- 2.4 The successful bidder will provide a work schedule, outlining the tasks to be performed and subsequent finish dates. The completion of the decorative pathways installation and associated gardens will be no later than **April 22, 2022**.

3.0 Specifications for Interlocking Stone Pavers

- 3.1 **Holocaust Memorial** - The stone pavers shall be uniform in material and colour and shall only be Ridgefield Smooth, Combo, Champagne (Pathway) by Oaks Landscape Products. No alternatives will be considered or allowed. The outer edge shall consist of a soldier course of Ridgefield Smooth, Onyx, also by Oaks Landscape Products. Decra Edge shall be supplied and installed at all outer edging. Fill voids in paver joints by sweeping in polymeric sand and watering down paved surface. Add polymeric sand as required to completely fill voids and then sweep and remove excess sand. When laying range colour, obtain pavers from two or more pallets simultaneously to ensure random colour distribution. Before acceptance by the City, the paving stones shall be cleaned of any polymeric sand etc. Refer also to **Drawing #5 - Typical Unit Paver Section**.
- 3.2 **Battle of Gapyeong Victory Memorial** - The stone pavers shall be uniform in material and colour and shall only be Ridgefield Smooth, Combo, Champagne (Pathway) by Oaks Landscape Products. No alternatives will be considered or allowed. The outer edge shall consist of a soldier course of Ridgefield Smooth, Onyx, also by Oaks Landscape Products. Decra Edge shall be supplied and installed at all outer edging. Fill voids in paver joints by sweeping in polymeric sand and watering down paved surface. Add polymeric sand as required to completely fill voids and then sweep and remove excess sand. When laying range colour, obtain pavers from two or more pallets simultaneously to ensure random colour distribution. Before acceptance by the City, the paving stones shall be cleaned of any polymeric sand etc. Refer also to **Drawing #5 - Typical Unit Paver Section**.
- 3.3 The Contractor must verify the elevation of the base of each Memorial foundation/concrete pad (e.g. Memorial foundations) and ensure the slope of the linear pathways and circular walkways drain appropriately.

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4.0 Site Conditions, Preparation, Works & Restoration

- 4.1 Bidders must examine the work site for existing conditions and all work requirements to satisfy themselves prior to submitting a quotation in response to this RFQ. The Bidder, by submitting the said quotation acknowledges and agrees not to submit any claim specific or otherwise for compensation of any kind due to site conditions.
- 4.2 The Contractor shall be responsible for all service locates that are required for the work.
- 4.3 The Contractor shall take care and consideration of existing trees on-site when executing the work. Equipment and vehicles shall not be parked under the driplines of trees.
- 4.4 The Contractor must restore the site following construction to match the existing site environs including leveling, addition of top soil and sod installation, as well as all other necessary work to ensure a consistent appearance with the present site.

5.0 Drawings

- 5.1 The following drawings are provided for the guidance of the Bidder only and are not to be used in place of a work site examination and measurement of the stated areas.

Drawing #1 - Holocaust Memorial Improvements Overview
Drawing #2 - Holocaust Memorial Improvements Planting Plan
Drawing #3 - Battle of Gapyeong Victory Memorial Overview
Drawing #4 - Battle of Gapyeong Victory Memorial Planting Plan
Drawing #5 - Typical Unit Paver Section

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**B. SCOPE OF WORK – UNKNOWN SOLDIER MEMORIAL & TISSUE DONOR
MEMORIAL - GARDEN PLANTINGS**

1.0 Description

- 1.1 Do all planting as per planting plans, details, specifications and plant list as identified and illustrated in **Drawing #2 Holocaust Memorial Improvements Planting Plan** and **Drawing #4 Battle of Gapyeong Victory Memorial Planting Plan**.
- 1.2 The Contractor is responsible for obtaining all utility stakeouts prior to excavation for tree pits or shrub beds.

2.0 Quality Assurance

- 2.1 The Contractor shall arrange for all planting locations to be staked and obtain approval from the City Landscape Architect prior to commencing planting.
- 2.2 The Contractor shall supervise all work in this section including implementation and all maintenance until final acceptance of completed work.
- 2.3 The Contractor shall obtain approvals for suppliers, contractors, and all materials to be used in this section of work.
- 2.4 The Contractor implementing works in this section shall meet the standards of "Landscape Ontario" and shall be approved by the City Landscape Architect.
- 2.4 The Contractor shall make plant materials available for inspection at source of supply when requested by City Landscape Architect.
- 2.5 Give timely notice in writing to the City Landscape Architect when materials are available for inspection at the source.
- 2.6 Approval of plant materials at source of supply shall not impair the right of the City Landscape Architect to inspect plants upon arrival on the site or during the course of construction and to reject plants which have been damaged or which, in any way do not conform to the specifications.

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3.0 Submittals

- 3.1 The City Landscape Architect reserves the right to request that a synopsis of the Supplier and its responsible officers be submitted for City Landscape Architect approval.
- 3.2 The City Landscape Architect reserves the right to request that a synopsis of the Contractor, its responsible officers along with a list of jobs completed during the last three years be submitted for City Landscape Architect approval.

4.0 Product Delivery

- 4.1 All plant material shall be labelled from the supplier. Do not remove labels attached to plants until after final project inspection.
- 4.2 Deliver all plant material to the site in such a manner as to prevent wilt, broken branches, damage to trunk and bark or injury to the root system.
- 4.3 Protect plant materials, which cannot be planted immediately upon arrival on site with soil or similar material to prevent drying out and keep moist until planted.
- 4.4 Protect plant materials against damage and drying out from the time of digging until planting on site.
- 4.5 Tie branches carefully in such a manner so as not to break or damage trunks.
- 4.6 Any material damaged while being stored or installed will be rejected by the City Landscape Architect and the Contractor will replace any such material at his/her own expense.

5.0 Alternatives & Materials

- 5.1 Should the Contractor proceed to use material that is not shown on the approved planting plan and plant list, the City Landscape Architect shall proceed to have such works corrected at the Contractor's expense.
- 5.2 Substitutions must be approved in writing by the City Landscape Architect.
- 5.3 Should the Contractor proceed to install plant materials contrary to the specifications and standard details, the City Landscape Architect shall proceed to have such works corrected at the Contractor's expense.

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6.0 Guarantees and Replacements

- 6.1 Guarantee all plant material for a period of one year commencing on the date of project completion and final approvals.
- 6.2 Replace at Contractor's expense, during guarantee period, plant materials that are found dead, in an unhealthy and unsatisfactory growing condition, or in any other way that does not meet the requirements of the specifications the working drawing or the details.
- 6.3 Any plant material found in a dead or dying condition during the guarantee period shall be removed and replaced immediately in accordance with approved horticultural standard.
- 6.4 Required replacements shall be plants of the same size and species as specified on planting list and supplied in accordance with the drawings and specifications.
- 6.5 Where adequate precautions have been taken, the Contractor shall not be responsible for the cost of replacements resulting from theft, vandalism, carelessness or neglect on the part of others or any other causes due to circumstances beyond his/her control.

7.0 Materials

- 7.1 Backfill Material in all cases, unless specified otherwise, the planting soil mixture shall consist of existing native material in a friable condition free of lumps, stones or any other extraneous material.
- 7.2 All plant materials shall meet the Horticultural Standards of the Canadian Nursery Trades Association with respect to size, grading and quality.
- 7.3 Plant materials shall be nursery grown, under proper horticultural practices as recommended by the Canadian Nursery Trades Association.
- 7.4 Nomenclature of specified plants shall conform to the International Code of Nomenclature for Cultivated Plants and shall be in accordance with the approved scientific names given in the latest edition of Standardized Plant Names. Names of varieties not named therein are generally in conformity with the names accepted in the nursery trade.

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- 7.5 Container grown stock shall conform to the Canadian Nursery Trades Association specifications found in Landscape Canada Guide Specifications for Nursery Stock.
- 7.6 Plants dug from native stands, wood lots, orchards or neglected nurseries which have not received proper cultural maintenance as advocated by the Canadian Nursery Trades Association, shall be designated as "Collected plants".
- 7.7 "Collected plants" shall not be permitted.
- 7.8 Plants shall be true to type, structurally sound, well branched, healthy, vigorous, free of disease, insect infestation, rodent, damage, sun scald, frost cracks and abrasions or scars to the bark. Plants shall be densely foliated when in leaf and have healthy, well developed root systems.
- 7.9 Pruning wounds shall show vigorous bark on all edges and all parts shall be moist and show live, green cambium tissue when cut.
- 7.10 Plant materials shall conform to the measurements specified in the Plant List. Plants larger than specified may be used if approved by the City Landscape Architect. The use of larger plants shall not increase the contract price. When larger plants are used, increase the earth ball proportionally to the size of the plant.
- 7.11 Measure plants when the branches are in their normal position. Height and spread dimensions that are specified refer to the main body of the plant, and not from branch tip to root base nor from branch tip to branch tip.

8.0 Topsoil & Fertilizer

- 8.1 Replace soil removed from planting pits with a mix of existing native material (60%) in a friable condition free from lumps, stones and imported topsoil (40%) material. Construct topsoil saucer around base of trees, as shown on detailed drawings.
- 8.2 Planting beds shall consist of 5 parts imported fertile friable natural loam topsoil, acidity of 6 - 7.5 pH mixed with 1 part peat moss of partially decomposed fibrous or cellular stems and leaves of Sphagnum mosses.
- 8.3 Apply 4.4.8 plus iron (Terra Care International) or approved equivalent.

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9.0 Preparation

- 9.1 Plants specified S.B. or W.B. shall be moved with solid well-formed balls wrapped in burlap. S.B. indicates string balled, W.B. indicates wire basket.
- 9.2 Plants with burlap, staves or ropes removed prior to transplantation shall not be used and shall be rejected by the City Landscape Architect.
- 9.3 The size of root balls shall conform to Canadian Nursery Trades Associations Specifications found in Landscape Canada; "Trade Specifications for Nursery Stock".
- 9.4 The ball depth-ratio for deciduous and coniferous trees shall be not less than 450mm or 50% of ball diameter.
- 9.5 All root balls less than 450mm in diameter shall be burlapped with 142 gr (5 oz.) Hessian burlap or approved equal. Balls from 450mm to 750mm in diameter shall be double burlapped. Balls 750mm and larger in diameter shall be double burlapped and drum laced with 6mm rope at 200mm spacing.
- 9.6 Plants moved with frozen ball shall be moved only when balls are completely frozen, and root systems intact. Such plants shall be planted as soon as possible after digging.

10.0 Planting Pits

- 10.1 Locate planting pits and obtain approval from the City Landscape Architect prior to excavation. Planting pits must not be left uncovered if the installation of plant material in all pits cannot be completed during the same day.
- 10.2 Pits shall be deep enough to allow a minimum depth of 300mm of planting soil mixture under the root ball.

11.0 Plant Installation

- 11.1 Place a layer of loose, unfrozen soil mixture to a minimum depth of 300mm under each plant.
- 11.2 Set plant material plumb in the centre of pits to achieve a level 70mm above grade to allow for settlement and aeration.

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- 11.3 Place plant material to give the best appearance or relationship to adjacent structures and to the approval of the City Landscape Architect.
- 11.4 Remove all burlap, ropes, wires and any other binding away from the **top 1/2 of the root ball** and remove this excess material from the site.
- 11.5 Place bare root plants with roots in natural position.
- 11.6 Backfill soil mixture in layers not exceeding 250 mm in depth.
- 11.7 Tamp each layer firmly in place in such a manner that the plant retains its vertical position. Ensure that no air pockets remain under or around the roots.
- 11.8 Construct an earth saucer around each plant not in a planting bed, to retain water around the roots of the plant. The saucer shall have a diameter as large as the excavated area.
- 11.9 Trees shall be staked with new steel t-bar stakes painted black and tied as per Ontario Horticultural Standards and to City approval.

C. WORK STOPPAGE DUE TO INTERMENT SERVICES

- 1.0** The City of Niagara Falls Cemetery Services provides interment services at Lundy's Lane and Fairview Cemeteries. While interment services are typically organized at least three days in advance, exceptions do occur requiring interment within 24 hours.

In the event of an interment service in the immediate area (i.e. within 100 metres), during the Contractor's performance of the Work, all disruptive (i.e. noisy, vibrating, dusty, etc.) operations at the Work Site must cease from the commencement of the interment service until such time as the interment service has concluded. This requirement to cease operations applies regardless of whether or not the City delivered a notice as set out below.

The Manager of Cemetery Services will provide updates as required to the Contractor for scheduled interments impacting the Work Sites.

Provided that the City has notified the contractor at least 24 hours in advance of an interment service requiring the cessation of disruptive operations, the Contractor shall not be entitled to any claims for compensation for lost time or delays to the Contract. For certainty, where the Contractor has been notified of an interment service in accordance

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with this paragraph, such interment service will be considered a Force Majeure event and the time for the performance of the Work shall be extended for a reasonable period, but there shall be no adjustment to the Contract Price.