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Addendum #1

File # 17-06AA

Project: DWP Site Restoration – Invasive Species Removal, Seeding and Planting

This addendum serves to notify all bidders of the following changes to the solicitation documents:

Changes are identified and questions are answered in the attached document from SAS + Associates.

Please acknowledge receipt of this Addendum by initialing and dating Addendum # 1 below the bid form on the invitation for bids.

Posted: April 6, 2017



City of Duluth

ADDENDUM NUMBER 1

DATE: April 6, 2017 PROJECT: DWP Site Restoration

CITY PROJECT NO. 17-06AA

OWNER: City of Duluth

TO: Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated March 29, 2017 with amendments and additions noted below.

Acknowledge receipt of this Addendum in the space provided in the Bid Form. Failure to do so may disqualify the Bidder.

This Addendum consists of nine (9) pages:

CHANGES TO THE PROJECT –

- A. Tree planting stock shall conform with the current American Standard for Nursery Stock (ANSI Z60.1)
- B. Contractor should follow guidelines established in A300 Standard Practices as they apply to this work.
- C. Seeding Contractor's work shall comply with the 2014 edition of the MnDOT Seeding Manual, including, site prep, material, installation, mulching, and warranty.

QUESTIONS RECEIVED FROM CONTRACTORS –

1. "Is there a warranty associated with the tree planting?"

Yes. See *Spec Section 02930 Plant Material, Part 1 – General, 1.06 GUARANTEE* below for guarantee requirements.

2. "What is the definition of the tree tublings? Is a bare root tree an equivalent?"

Tublings are small containerized seedlings, grown in cells or tubes. Tubling tree stock for this project should be material grown in containers with a minimum of 3.5 cubic inches of soil.

Bare-root stock is acceptable up to 20% of the total install plant material.



Guarantee of plant material is to be the same, whether plant material is containerized or bare root.

3. **“For the mulching following seeding, what is the rate of mulch that needs to be applied? Does this following MN/DOT specifications and require 2 tons/acre?”**

Mulching is to comply with the 2014 MNDOT Seeding Manual for native seeding.

4. **“Does straw mulch need to be Minnesota Crop Improvement Association (MNCIA) or equivalent weed-free certified?”**

Mulch for seeded areas shall be Mn/DOT Type 3 (MCIA Certified Weed Free Mulch or equivalent) - This mulch shall consist of clean grain straw and be certified by the Minnesota Crop Improvement Association (MCIA) to be free of noxious weed seeds, seed bearing stalks, and/or other reproductive propagules as defined by rules and regulations of the Minnesota Department of Agriculture. Documentation verifying that the mulch has passed MCIA field inspection shall accompany the material upon delivery to the job site. At the time of delivery, the mulch shall be in an air dried condition.

5. **“On Sheet L-6, is the total amount of seeding (SF and total lbs) listed in the subtotal correct?”**

Sub Total of areas to be seeded should read 100,335 sf (approximate). Quantity of seed required should be **84 lbs.** which equals 36.5 lbs per acre.

6. **“Would substitutions be considered if some species and quantities of the plant material listed on Sheet L-6 were not commercially available?”**

Yes, substitutes for size and species based on availability may be acceptable. Submit proposed substitutes on the form below along with your bid for consideration. Contractor may submit proposed substitutions by 4:00 p.m. on Tuesday, April 11, 2017 to Landscape Architect for review and preliminary approval if desired. Acceptance of substitutes will be based primarily on diversity of species, emphasis on native plant species, proposed size of substitute material, cost, and other such factors.

7. **For portions of the site where slope, access, and general site conditions allow, would the City be willing to accept the use of a forestry mower to remove invasive plant material?**

No use of forestry mower or other similar equipment is allowed

8. **Can cut material be chipped on-site and spread out so that it is not in piles?**

Yes. Material can be cut, chipped and distributed on-site. Chipped material shall not be more than 2 inches deep.

9. **Is there any potential that material could be cut and piled prior to June 30th and burned during the winter 2017/2018, when conditions for burning brush may be more favorable?** No. Any piles will need to be burned at this time as part of this project.

10. **Is there a minimum size diameter that the Contractor will not be responsible for removing?** On a similar City project last year, the contractor removed all woody stems then did an overspray to get the rest of the invasive material. We would like to see similar treatment here as well.



- 11. Is there a minimum stump height that defines “Cut flush to the ground”?**
Maximum allowable stump height is 4”.

- 12. What is the timing of the DWP Earthwork project relative to the invasive species removal and tree planting project? Will there be conflicts in using the site for staging and access?** The earthwork (fill and grading) is happening on a separate part of the site from the clearing operation. Contractors will still need to coordinate their work to avoid unforeseen conflicts with items such as access and staging, as well as seeding and planting at the completion of the grading work.

SECTION 02930 PLANT MATERIALS

PART 1 - GENERAL

1.01 SCOPE OF WORK

- A. The Conditions of the Contract and the Provisions of Division 01 apply to all work of this Section.
- B. This Section includes furnishing all labor, materials and equipment necessary to place plant materials as shown on the drawings and specified herein.

1.02 REFERENCE STANDARDS

- A. Conform with ANSI Z60.1, American Standard for Nursery Stock (published by AmericanHort) and ANSI A300. Only planting zone 3 or 4 (University of Minnesota Extension Bulletin 267) will be accepted or approved equivalent.
- B. Plant material shall conform to nomenclature of "Standardized Plant Names: as adopted by the Joint Committee of Horticulture Nomenclature, latest edition. Size and grading standards shall conform to the American Association of Nursery Stocks", latest edition. No substitutions of size or grade shall be permitted without written permission of the Owner or Landscape Architect. Each bundle of plants and all separate plants shall be properly identified with legible waterproof tags securely fastened to each plant or bundle of plants.
- C. All plant material shipments and deliveries shall comply with State and Federal laws and regulations governing the inspection, shipping, selling and handling of plant stock. A tag or label bearing the name and address of the licensed dealer or nurseryman and a certification that the material is from an officially inspected source shall accompany each shipment or delivery of plant material.

1.03 QUALITY ASSURANCE

- A. All plants shall be true to type. They shall have normal, well-developed branch systems and a vigorous fibrous root system. They shall be sound, healthy, vigorous plants free from defects, disfiguring knots, sunscald injuries, abrasions of the bark, plant diseases, insect eggs, borers, and all forms of infestation. All plants shall be nursery grown unless otherwise indicated. They shall have been growing in similar climatic conditions as the location of the project for at least two years prior to the date of this contract.

- B. All plants, including their roots, shall be free from disease, insects, or other injurious qualities. All local, state and federal laws pertaining to the inspection, sale and shipment of plant materials shall be complied with. The trunk bark of all trees shall be sound, trees shall have no large wounds, and any small wounds shall have a satisfactory callus roll formed or forming over them. Plants shall show good annual growth. Buds shall be plump and well filled for the species. Evergreen foliage shall be of good intense color.

1.04 DELIVERY, STORAGE AND HANDLING

- A. Plant stock shall be furnished containerized and shall be moved with a ball of earth so firmly established that upon delivery the soil in the ball is still firm and compact about the small feeding roots.

1.05 SCHEDULING

- A. Unless otherwise approved, planting shall not be done when the ground is frozen or when the soil is in an unsatisfactory condition for planting.

1.06 GUARANTEE

- A. All plants shall be subject to the approval of the Owner or Landscape Architect. All plants rejected at the project site shall be replaced with acceptable plants of the same species, variety and size unless otherwise directed by the Architect.
- B. The Contractor shall guarantee 80% of the plant materials through one spring growing season after acceptance. Due to the location, large area and scope of this project, the owner will accept, over the course of the one-year plant establishment period (June 30, 2017 – June 30, 2018), the mortality of up to 20% of the plant material due to natural causes. If any plants die as a result of improper planting or related causes, they shall be replaced by this Contractor at no additional expense to the Owner. Plant material improperly planted which die are not to be factored in to the 20% acceptable mortality. If any replacement plants die as a result of improper planting, they shall also be replaced by this Contractor at no additional expense to the owner.
- C. All evergreens that die during the course of the plant establishment period shall be removed and disposed of by the contractor as their dead condition becomes evident. Fall plantings which fail to survive the winter dormancy period shall be replaced by the contractor during the following spring planting season and before beginning of the growing season.
- D. Near the end of the first full growing season, but no later than the expiration of the plant establishment period (June 30, 2018), an inspection of the planting will be made and only those plants that are alive and normally healthy will be accepted. Unaccepted material (up

to 20% of the total planted) shall be removed and replaced by the contractor, at his own expense, during the next planting season. Material and method of replacement planting shall be the same as specified for the original planting.

PART 2 - PRODUCTS

2.01 PLANT MATERIALS

- A. Trees and shrubs; description, size and quantity are shown in the plant list on the drawings. Plants supplied shall conform to MnDOT Section 3861 and the following:
1. All plants shall be typical of their species and have well formed tops and root systems and shall be free from injurious insects, plant diseases or other plant pests. Plants shall be hardy under the climatic conditions at the site.
 2. Plants furnished shall be free from the following defects:
 - a. Serious injuries to top, branches, trunk, bark or roots.
 - b. Dried out roots.
 - c. Prematurely opened buds.
 - d. Thin or poor tops or root systems.
 - e. Evidence of molding.
 - f. Dry, loose or broken ball of earth.
 3. Plant stock shall conform to the code of standards set forth in the current edition of American Standard for Nursery Stock recommended for general use and adoption by the American Association of Nurserymen, Inc.

2.02 MISCELLANEOUS ACCESSORIES

- A. Mulch - shall be shredded hardwood mulch for mulching under trees and shrubs. 4" thickness required.
- B. Water - shall be free from any impurities or substances which might injure plants.

PART 3 - EXECUTION

3.01 PLANTING

- A. Conform with MnDOT Section 2571, Plant Installation, Place planting as follows:
1. Insofar as practical, plant stock shall be planted on the day of delivery at the project site. In the event this is not possible, the plant stock shall be temporarily stored by "heeling-in" or by placing in a well ventilated, cool, moist storage place and shall be adequately



protected against drying by the use of moist sphagnum moss, straw or other suitable covering.

2. All planting shall be performed in accordance with the method herein provided, insofar as practicable.
3. The plant shall be so set that after settlement the plant will stand at approximately the same depth it stood in the nursery or field.
4. Tubling trees shall have a 4" x 48" 'tree tube' installed at time of planting. Tree tube shall be 'zip tied' at 2 points for stability to a 2"x2" hardwood stake of adequate length driven 24" minimum into ground.

3.02 CLEAN-UP

- A. Any soil, mulch, or similar material which has been placed, tracked, or fallen on to paved areas shall be removed and washed clean promptly, keeping the area clean at all times. Upon completion of the planting, all excess soil, stones, and debris shall be removed from the site. All ground areas disturbed as a result of planting operations shall be restored to their original condition or to the desired new appearance.

END OF SECTION

**DWP SITE RESTORATION PROPOSED PLANT SUBSTITUTE LIST**

Addendum #1

4/6/2017

<u>Specified Plant</u>	<u>Proposed Plant Substitute</u>	<u>Proposed Plant Substitute Size</u>
<u>White Spruce</u>		
<u>Balsam Fir</u>		
<u>White Pine</u>		
<u>Red Pine</u>		
<u>Larch</u>		
<u>Eastern White Cedar</u>		
<u>Jack Pine</u>		
<u>Northern Pin Oak</u>		
<u>Bur Oak</u>		
<u>Red Maple</u>		
<u>American Basswood</u>		
<u>Black Cherry</u>		
<u>Hackberry</u>		
<u>White Birch</u>		
<u>Yellow Birch</u>		
<u>Quaking Aspen</u>		
<u>Nannyberry Viburnum</u>		
<u>Pin Cherry</u>		



<u>American Hazelnut</u>		
<u>American Cherry</u>		
<u>American Plum</u>		
<u>Downy Hawthorn</u>		
<u>Prairie Willow</u>		
<u>Red-osier Dogwood</u>		
<u>Glossy Black Chokecherry</u>		
<u>Showy Mountainash</u>		
<u>Princess Kay Plum</u>		
<u>Regent Serviceberry</u>		
<u>Staghorn Sumac</u>		
<u>Smooth Sumac</u>		

END OF DOCUMENT