

PennDOT District 3 Landscaping Project
Solicitation # 610050122

Enclosures:

Statement of Work

Plan 1 (showing measurements)

Plan 2 (showing plant placement/stone wall specifications)

Plant List

Statement of Work

General:

This project provides for the furnishing of all labor, material, equipment and work necessary for the installation and establishment of landscape project including removal and disposal of existing landscape plants, as per attached bid items and landscape plan, at Pennsylvania Department of Transportation, Engineering District 3-0, located at 715 Jordan Avenue, Montoursville, PA 17754.

All work to be performed on this project shall be in accordance with the Pennsylvania Department of Transportation Publication 408
http://www.dot.state.pa.us/public/PubsForms/Publications/Pub_408/408_2016/408_2016_7/408_2016_7.pdf, and the technical specifications made part of this contract.

The specifications are intended to provide for professionally installed plant materials of specimen grade, positioned as indicated on the plan, and in relation to topography, utilities, and aesthetic effect.

Provide plant material of specimen grade, healthy, vigorous, well branched and leafed with a well-developed root system. Provide plant material which has been grown for at least 2 years within Hardiness Zones 5 or 6, as per Plant Hardiness Zone Map, United States Department of Agriculture.

Plant materials must be inspected at the planting site, by the Roadside Specialist to ensure plants are healthy, in an undamaged condition, conform to size and type, and quantities as specified. Substitutions, at same bid price, are permissible with the approval of the Roadside Specialist. Additionally, all plant materials must conform to the following standards:

American Association of Nurserymen (AAN), American Standards for Nursery Stock ANSI-Z60.1 Current edition

Plants damaged during planting operations will be rejected and require replacement (at cost of contractor) with appropriate specified plants.

A non-mandatory Pre-bid meeting will be held.

Also, a pre-job meeting will be conducted with the awarded vendor prior to work starting.

Schedule of Work

All work under this contract must be completed by June 30, 2020

A work schedule must be submitted to the Project manager at the District Office by 2:00 PM each Thursday for the work activities to be performed the following week. If work is cancelled for any day, the Project manager must be notified by 9:00 AM on that day.

Work must be performed with minimal interference to traffic flow. No work may be performed without traffic control and protection of traffic throughout the entrances and parking lot areas of the district office. The project manager may restrict operations on dates or times outside of those specified above to reduce traffic congestion and/or eliminate unsafe traffic conditions due to major events being held at district office, etc.

Material

A material contingency line item will be added to the contract in the amount of \$1,500.00. This is to cover any unforeseen needs not determined at the time of the bid proposal. No payment from this line will be made without approval from project manager. Approval will be sought via contractor submitting a quote for unforeseen needs.

Specifications for Lawn Edging:

Galvanized commercial grade edging

3/16" x 4"

.182-.188" Average thickness

Approximately 567 total lineal feet. Vendor to confirm dimensions prior to bidding.

Awarded vendor will supply a cut sheet for approval by Project Manager prior to construction.

Specifications for Stone: 3" depth 1B River Gravel

To be installed – 3" thickness, but should not bury any of the plants, and taper down at the top of each plant's root ball.

Specifications for manufactured stone wall:

See specifications on Plan 2.

Brick color needs to match existing adjacent building brick color. Awarded vendor will supply brick color sample for approval by Project Manager prior to construction.

Specifications for weed barrier:

5oz woven polypropylene weed barrier fabric

Labor

A labor contingency line item will be added to the contract in the amount of \$1,500.00. This is to cover any unforeseen needs not determined at the time of the bid proposal. No payment from this line will be made without approval from project manager. Approval will be sought via contractor submitting a quote for unforeseen needs.

Construction

Soil compaction must be limited in the root zone area of the established mature trees which are located on the project site.

This may require the placement of rubber mats and/or other protective devices to limit soil compaction when equipment is moved across tree root zone areas.

The awarded contractor is required to describe to the project manager what measures will be used to protect these root zone areas prior to start of work.

Equipment and/or other operations which are part of this landscape project may not negatively impact the root systems and rootzones of the established trees.

Bed Preparation and Surface Grading

The contractor shall be responsible for site cleanup and surface grading in areas defined in the limits of work (reference landscape plan). Work shall include the removal of any debris and large rocks located within the work area. Surface grading shall consist of raking the area, removing rocks over 2" in any dimension and leveling the surface to ensure the topsoil can be applied evenly. Topsoil should be evenly spread to meet existing grades.

Perform daily clean-up during installation and upon completion. Remove from site all excess materials, soil, debris, and equipment. Repair any damage resulting from landscape development operations.

Seeding lawn includes:

Re-establishing turf in all areas where the existing landscape plant beds have been reduced in size as per the landscape plan or existing turf areas have been damaged due to equipment, foot traffic, or other construction activities which are part of this landscape project.

Grass seed selected for this project shall be similar to the existing turf type (species) and shall include a certified fine texture rye and bluegrass seed blend mix suitable for lawn type turf establishment and similar to the existing turf.

Fertilizer and lime applications shall be made as per the grass seed mix selected by the awarded contractor and actual soil conditions at the time of planting.

One (1) application of a straw mulch cover approximately 3 inches in depth.

Add topsoil to all plant beds as needed to create a planting bed which is slightly mounded and tapers to meet the grade of the adjacent turf.

Secure weed barrier fabric with 8" minimum overlap on all ends. Secure every 3' on center with 6" landscape staples.

Layout of Plantings

See landscape plan.

Should rocks or other obstructions prevent the installation of plantings at indicated locations, the Roadside Specialist will determine alternate locations or deletions and will approve any/all changes to the landscape specifications.

Prune any dead, dying, broken or any undesirable branches not adequately pruned at the nursery prior to delivery. Prune according to best horticultural practice for the health of the plant and the natural or desired form and growth characteristics of the individual species.

Regardless of adverse weather conditions, guarantee all plants to be alive and healthy for 1-year after the final acceptance of the work.

Pit Preparation

Excavate shrub pit to 2 times the diameter of the root ball or container and to a depth equal to the root ball. Plant as per drawing detail. Set plants plumb and at the required depth. For balled and burlapped plants and for plant materials in containers, handle by the ball or packaging material, and not by the stem or branches. Cut or untie root ball lacing and lay back burlap wrap from the top one-third of the root ball. Remove plant containers, separate any compressed roots around the edges of the root mass and spread roots outward in the planting hole prior to backfilling

Backfilling Pit

Cultivate and completely tamp backfill mix around the ball or roots, in a manner that fills voids and eliminates air pockets. Avoid breaking or damaging roots during backfilling and tamping operations. When backfilling is two-thirds complete, lay back or cut off and remove the top one-third of the root ball wrapping material on balled and burlapped plants. Cut off and remove any wire root protection devices from the top one-third of the root ball. Thoroughly water the backfill material around the roots. After the water has been completely absorbed, complete backfilling and broadcast mycorrhizal fungi packet(s) around the perimeter of the root ball and incorporate into the top 10 inches of the backfill mix and thoroughly water. Firm backfill material around the top of the planting hole and plant stem. Fill in any surface irregularities of the planting hole and level soil.

Maintain all seeded areas and plants, in a living, healthy condition until the entire project has been accepted. During this period of establishment perform necessary watering, weeding, spraying, cultivating and re-mulching to maintain a depth of 3 inches.

Apply water by open-end hose, by gravity or low-pressure pump no more than 10 psi. Allow water to percolate into the soil without runoff. This additional watering is incidental to the planting and will not be paid for separately.

Watering of seeded areas and plant material must be performed when rainfall is less than ¼" within a 10-day period. During the period of establishment, watering is considered incidental to the planting item on contract. No additional monies will be paid for this incidental item.

Plant Replacement

In accordance with the landscape specifications and bid documents replace all plants which are dead or in the process dying. In addition, as directed by the Project manager, replace all plants that are unhealthy and/or have lost their natural shape due to dead branches.

After notification by the Project manager of dead, dying or unhealthy plants, install replacement plants within the guarantee period. The guarantee does not limit replacement to "one time." The 1-year plant guarantee and replacement period will begin at project acceptance, or the date the Goods Receipt has been entered on the Purchase Order.

Without cost to the Department, the landscape contractor will pay for damage caused by his own workforces to other work that occurred within the same 1-year guarantee and replacement period.

Maintenance

General maintenance is the responsibility of the contractor during the project period which is until June 30, 2020 and will include straightening, edging of beds, pruning, spraying for disease and/or infestation if required or as directed by the project manager to maintain normal growth, health, and vigor of all plantings.

Prior to final acceptance of the project, the contractor must provide the Department with written instructions for suggested follow-up maintenance to the planting site.