

IFB 10912-26

Tree Canopy Expansion and Irrigation

Attachment A - Scope of Work

General:

Provide labor and materials to complete site preparation, plant trees and/or shrubs per detail, install a temporary irrigation system or seasonal watering as specified per site, and provide three (3) years of maintenance on a total of 40,000 sf of property at three separate work sites in Redmond, WA. Site preparation may begin as early as August with planting beginning no earlier than September 1 and all preparation, irrigation installation and planting work shall be completed by September 30, 2026.

Work Site Locations:

Site 1

Idylwood Park—21,000 sf
3650 West Lake Sammamish Parkway NE
Redmond, WA

Access to work site is via service road w/ bollard on E side of East Lake Sammamish Parkway @ NE 36th St.

Site 2

Hartman Park—14,000 sf
17300 NE 104th St
Redmond, WA

Access to the work site is via parking lot at S end of 172nd Ave. NE

Site 3

Redmond Central Connector/Eastrail—5,000 sf
North of NE 90th St, E side of trail
Redmond, WA

Access to work site is via the trail @ NE 90th St.

Task #1 - Planting Preparation - Site 1

- Remove non-native groundcover (ivy, hypericum, etc.). Retain native vegetation where applicable. Existing turf area can be planted into directly without additional prep.

Task #2—Tree and Shrub Planting - Site 1

- Purchase and plant the trees and shrubs listed below. Plant layout to be approved by the City Project Administrator.



- Trees should be planted ~20' on center, shrubs 5-10'.
- 12' clearance will be maintained from pre-defined trail and service road locations.
- Arborists mulch shall be applied at a depth of 4-6" over the entire site following plant installation.
- Trees and shrubs shall be installed in soil to their developed root crown.
- Tree and shrub stems shall not be covered with soil or mulch.

Quantity	Tree/Shrub Species	Common Name	Size
10	Pinus monticola	Western white pine	4-5'
10	Pseudotsuga menziesii	Douglas fir	4-5'
10	Calocedrus decurrens	Incense cedar	4-6'
5	Acer circinatum	Vine maple	2 G
20	Oemlaria cerasiformis	Oso berry	2 G
15	Rubus spectabilis	Salmonberry	2 G
35	Polystichum munitum	Sword fern	2 G
35	Mahonia nervosa	Long leaf mahonia	2 G

Task #3-Irrigation System-Site 1

- Install above ground, temporary irrigation to obtain head-to-head coverage over the planting areas
 - An isolation valve is provided as a point of connection
 - Valves shall be clustered to the degree possible and use Rainbird ESP-BAT-BT-1 - 1 Station Bluetooth Battery Operated Controller, available in 1, 2, 4, or 6 stations
 - Pipe size shall be stepped down to maintain consistent pressure
 - Final lateral pipe size - 3/4"
 - Pipe type - Schedule 40 PVC
 - Heads - Rainbird 5000
 - Riser height - 4'
 - Risers shall be attached to a wood stake or capped T-post with hose clamp, heavy-duty zip tie, or similar
 - All connections shall be secured with PVC primer and heavy bodied glue

Task #4 - Post-planting Maintenance - Site 1

- Provide 4 site visits annually for a three-year period (March, May, July, September) to complete the following tasks:
 - Cut back vegetation growth directly adjacent to tree and shrub plantings
 - Remove ivy/blackberry regrowth
 - Check irrigation system for coverage and function
 - Replace any tree/shrub that dies, fails to thrive, or exhibits more than 25% canopy dieback, with another that meets original species and size requirements during the three-year establishment period.

Task #1 -Planting Preparation - Site 2

- Mow area to be planted. Mowed grass can be retained on site as organic matter.



Task #2 - Tree Planting - Site 2

- Purchase and plant the trees and shrubs listed below. Plant layout to be approved by City Project Administrator prior to planting
- Trees should be planted ~20' on center, shrubs 5-10'.
- 12' clearance will be maintained from park amenities and pre-defined trail locations.
- Arborists mulch shall be applied at a depth of 4-6" over the entire site following plant installation.
- Trees and shrubs shall be installed in soil to their developed root crown.
- Tree and shrub stems shall not be covered with soil or mulch.

Quantity	Tree/Shrub Species	Common Name	Size
10	<i>Pseudotsuga menziesii</i>	Douglas Fir	4-5'
10	<i>Tsuga heterophylla</i>	Western Hemlock	4-5'
10	<i>Thuja plicata</i>	Western red cedar	4-5'
5	<i>Acer circinatum</i>	Vine maple	2 G
5	<i>Cornus nuttallii</i>	Pacific dogwood	2 G
20	<i>Oemlaria cerasiformis</i>	Oso berry	2 G
50	<i>Polystichum munitum</i>	Sword fern	2 G
50	<i>Mahonia nervosa</i>	Long -leaf mahonia	2 G

Task #3 - Irrigation System - Site 2

- Install above ground, temporary irrigation to obtain head-to-head coverage over the planting areas
 - An isolation valve is provided as a point of connection
 - Valves shall be clustered to the degree possible and use Rainbird ESP-BAT-BT-1 - 1 Station Bluetooth Battery Operated Controller, available in 1, 2, 4, or 6 stations
 - Pipe size shall be stepped down to maintain consistent pressure
 - Final lateral pipe size - ¾"
 - Pipe type - Schedule 40 PVC
 - Heads - Rainbird 5000
 - Riser height - 4'
 - Risers shall be attached to a wood stake or capped T-post with hose clamp, heavy-duty zip tie, or similar
 - All connections shall be secured with PVC primer and heavy bodied glue

Task #4 - Post-planting Maintenance - Site 2

- Provide 4 site visits annually for a three-year period (March, May, July, September) to complete the following tasks:
 - Cut back vegetation growth directly adjacent to tree and shrub plantings
 - Check irrigation system for coverage and function
 - Replace any tree that dies, fails to thrive, or exhibits more than 25% canopy dieback, with another that meets original species and size requirements during the three-year establishment period.



Task #1 - Planting Preparation - Site 3

- Mow area to be planted. Mowed grass can be retained on site as organic matter.
- Treat and/or remove all blackberry within the planting area. Acceptable practices include:
 - Cut, allow for regrowth, and then chemically treat, or
 - Cut, allow for regrowth, and then physically remove

Task #2 - Tree Planting - Site 3

- Purchase and plant the trees and shrubs listed below. Plant layout to be approved by City Project Administrator prior to planting
- Trees should be planted ~20' on center, shrubs 5-10'.
- 12' clearance will be maintained from pre-defined trail locations.
- Arborists mulch shall be applied at a depth of 4-6" over the entire site following plant installation.
- Trees and shrubs shall be installed in soil to their developed root crown.
- Tree and shrub stems shall not be covered with soil or mulch.

Quantity	Tree Species	Common Name	Size
<u>4</u>	Pseudotsuga menziesii	Douglas Fir	6'
<u>5</u>	Calocedrus decurrens	Incense cedar	6'
<u>5</u>	Pinus contorta	Shore pine	6'

Task #3 - Weekly Watering - Site 3

- This site does not have access to irrigation point of connection
- Provide weekly watering June through September using 32-gallon, donut-style tree bags, provided by contractor, for three-year period.

Task #4 - Post-planting Maintenance - Site 3

- Provide 4 site visits annually for a three-year period (March, May, July, September) to complete the following tasks:
 - Cut back vegetation growth directly adjacent to tree and shrub plantings
 - Remove blackberry regrowth
 - Replace any tree that dies, fails to thrive, or exhibits more than 25% canopy dieback, with another that meets original species and size requirements during the three-year establishment period.

Subcontracting:

Subcontracting is permitted for the seasonal manual watering. Upon award, the selected Contractor shall provide the names of all subcontractors with whom the Contractor will directly subcontract for performance of the work and the projected value of that work, subject to the provisions of the contract and RCW 39.06.020. The Contractor shall not substitute a listed subcontractor without written permission of the City. If a listed subcontractor is unable to comply with any requirements of the contract, the Contractor may be required to replace the subcontractor with an acceptable subcontractor.



Equipment and supplies:

Contractor will provide all personnel, mobile equipment, supplies and transportation necessary to perform these services.

Notice regarding site visits:

If your staff visits the site to prepare proposals/reports, please stay on public streets. Do not enter private property.

Work Site Conditions

- Per standard City construction processes:
 - Monitoring for potential cultural resources may occur during the installation project. Monitors are permitted to temporarily halt work if cultural artifacts are observed and would coordinate with the appropriate agencies as needed. Monitoring activities should not impede the overall progress of the selected Contractor, though may impact portions of the project area.
- Site 1 & 2: Public restrooms are available in the park during park hours.
- Storage of materials, equipment, and supplies can be accommodated at or near the work sites. If used, site security would be the responsibility of the Contractor.
- This is a public facility and safety must be a priority.
 - Speed on the access road/trail should be limited to 10 mph.
 - Always yield to pedestrians when using the defined access route to work sites.
 - Use spotters or flaggers to warn pedestrians or work activities; contract activities must yield to all trail or park use.
 - The access routes must remain open at all times; infrequent, brief closures can occur to perform defined work, such as moving equipment or materials.
- All work must occur Monday through Friday, between the hours of 7a.m. and 4 p.m.
- At the end of each workday, the site shall be left in a safe condition with the work sites and access areas clean of debris.

