



City of Tacoma

## **PUBLIC WORKS ENGINEERING**

**ADDENDUM NO. 1**

**DATE:** May 1, 2024

**REVISIONS TO:**

**Request for Bids Specification No. PW24-0055F  
McKinley Overlook**

**NOTICE TO ALL BIDDERS:**

This addendum is issued to clarify, revise, add to or delete from, the original specification documents for the above project. This addendum, as integrated with the original specification documents, shall form the specification documents. The noted revisions shall take precedence over previously issued specification documents and shall become part of this contract.

**REVISIONS TO THE SUBMITTAL DEADLINE:**

The submittal deadline remains the same.

**REVISIONS TO THE PLANS:**

Added the plan set to the documents posted.

**REVISIONS TO THE SPECIFICATIONS:**

Replaced sections 2-01.3(1) Clearing, 2-02.3 Construction Requirements, 8-03 Irrigation System, 8-12 Chainlink Fence and Wire Fence, 8-13 Monument Cases, 8-20.5 Payment.

**NOTE:** Acknowledge receipt of this addendum by initialing the corresponding space as indicated on the signature page. Vendors who have already submitted their bid/proposal may contact the Purchasing Division at 253-502-8468 and request return of their bid/proposal for acknowledgment and re-submittal. Or, a letter acknowledging receipt of this addendum may be submitted in an envelope marked Request for Bids Specification No. PW24-0055F Addendum No. 1. The City reserves the right to reject any and all bids, including, in certain circumstances, for failure to appropriately acknowledge this addendum.

cc: Clara Dubow / Public Works Engineering

## 2-01.3(1) Clearing

*This section is revised to read:*

1. Fell trees only within the area to be cleared as shown on the Plans.
2. Close-cut parallel to the slope of the ground all stumps to be left in the cleared area outside the slope stakes.
3. Close cut all stumps that will be buried by fills 5-feet or less in depth.
4. Follow these requirements for all stumps that will be buried by fills deeper than 5-feet from the top, side, or end surface of the embankment or any structure and are in a location that will not be terraced as described in Section 2-03.3(14):
  - a. Close-cut stumps under 18-inches in diameter.
  - b. Trim stumps that exceed 18-inches in diameter to no more than 12-inches above original ground level.
5. Leave standing any trees or native growth indicated by the Engineer.
6. Trim all trees to be left standing to the height specified by the Engineer and certified Arborist, with a minimum height of eight (8) feet above sidewalk and fourteen (14) feet above the roadway surface. Neatly cut all limbs close to the tree trunk. All tree trimming must be done by or under the direction of a certified Arborist.
7. Thin clumps of native growth as the Engineer may direct.
8. Protect, by fencing if necessary, all trees or native growth from any damage caused by construction operations in accordance with Standard Plans LS-08 through LS-11.
9. Trim all shrubs and brush which covers sidewalks, curb, curb and gutter, and curb ramps to a minimum of four inches from the edge of sidewalk or as directed by the Engineer or Certified Arborist.
10. Remove and dispose of, or relocate the following existing features where necessary within the project limits or as indicated on the Plans:
  - a. Cement concrete gutter boxes.
  - b. Large rocks used for the purpose of landscaping or as a barrier when inside the paving limits.
  - c. Wood curbs, logs, railroad ties, and other timber used for landscaping when inside the paving limits.
  - d. Bollards inside the paving area and not designated to remain.
  - e. Relocate Eco Blocks to a location shown on the Plans or as directed by the Engineer.
11. Remove trees as indicated on the plans or as directed by the Engineer or certified Arborist. The tree removal shall include stump grinding to eight inches below final grade and removal of roots according to the Plans and Specifications, and as directed by the Engineer and certified Arborist, such that a new tree can be planted in the same area.
12. All stumps identified for stump grinding or as directed by the Engineer or certified Arborist shall be ground to eight inches below final grade.

**2-02.3 Construction Requirements**

*The first sentence of the first paragraph is revised to read:*

As shown per Plans, Specifications and per these Special Provisions, the Contractor shall relocate or raze, remove, and dispose of all underground structures and utilities, landscaping walls, fences, and any other obstructions that form an obstacle to construction.

## **8-03 IRRIGATION SYSTEM**

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### **8-03.1 Description**

*This section is supplemented with the following:*

The Contractor shall hire a Washington State Certified Landscape Architect to plan and design an Irrigation System to serve the planting areas shown on the Plans. These areas are shown in the hatched areas on the Plans within the McKinley Overlook between E 'E' St and E 'F' St along E 32<sup>nd</sup> St. The Contractor shall investigate from where to construct water supply and electrical service to the Irrigation System, in coordination with the City of Tacoma, Environmental Services and Tacoma Public Utilities, and shall be approved by the Contracting Agency prior to irrigation being installed.

### **8-03.2 Materials**

*This section is supplemented with the following:*

Double Check Valve Assemblies (DCVA) shall be manufactured by Wilkins or Febco, unless otherwise approved by the Engineer.

Sprinkler heads shall be manufactured by Rainbird, with Rotor heads being the 5000 series, and the spray heads being the 180 PRS series, or an Engineer approved equal..

AC and DC powered irrigations clocks shall be ESP modular series controllers manufactured by Rainbird or an approved equal unless otherwise approved by the Engineer.

DC (Battery) powered systems shall use Irritrol clocks (IBOC series), or approved equal unless otherwise approved by the Engineer.

Valves shall be manufactured by Carson, NDS, or Rainbird, or an Engineer approved equal.

### **8-03.3 Construction Requirements**

#### **8-03.3(1) General Requirements**

*This section is revised to read:*

The nature of this irrigation bid is a design and build. Location of pipe, tubing, irrigation heads, emitters, valves, cross-connection devices, irrigation sleeves and other equipment shall be as designed by the Contractor with official approval by the Engineer. The general alignment in the Plans, and the system as described in the description, serves to provide a common basis of bid as to the extent of the area to be served by the new system.

Potable water supplies shall be protected against cross-connections in accordance with applicable regulations for the Washington State Department of Health and the local health authority.

Construction of irrigation electrical systems shall conform to applicable portions of Sections 8-20. All electrical work from the electrical source to the controller junction box must be completed by a licensed electrical contractor

The Contractor shall advise the Engineer at least 24 hours before pressure tests are to be conducted.

A zone diagram shall be posted in the controller to facilitate the selection of the valves to be operated.

### **8-03.3(2) Submittals**

*This section is supplemented with the following:*

The Contractor's certified landscape architect shall submit to the Engineer an irrigation plan and details of the type of materials, parts and sprinkler equipment, including but not limited to spray heads, valves, and controller locations. The landscape architect shall show on the irrigation plans the location, type, length and size of sprinkler pipes and tubing in accordance with the Specifications. Irrigation system construction shall only begin after the Engineer gives a written approval of the Irrigation Plan.

### **8-03.3(7)A Irrigation Piping**

*This section is revised to read:*

All irrigation pipe shall be a minimum of 12 inches below finished grade measured from the top of the pipe or as shown in the Plans. Where possible, mains and laterals shall be placed in the same trench. All lines shall be placed a minimum of 1 foot from the edge of concrete sidewalks, curbs, guardrails, walls, fences, and traffic barriers, if possible. Pipe pulling will not be allowed for installation and placement of irrigation pipe.

Pipe trenches shall not be backfilled until hydrostatic pressure testing is completed and accepted by the Engineer.

All plastic materials shall be protected from direct sunlight in accordance with Section 1-06.4.

All pipes shall be 1 inch in size unless otherwise approved by the Engineer. The Contractor shall add sleeves for any lines under hardscape, including concrete or asphalt.

Irrigation pipe shall be PVC schedule 40.

### **8-03.3(15) Irrigation Design**

The Contractor shall be responsibly for submitting an Irrigation Plan for the design of the new irrigation lines. Irrigation shall be designed into separated and appropriately sized zones unless otherwise specified by the Contracting Agency.

Irrigation system requirements are as follows:

- An Isolation valve shall be placed between the water meter and the DCVA.
- A quick coupler or in ground water hose connection shall be placed within close proximity to the DCVA.
- Systems shall be installed with a central control clock; individual clocks placed in the valve box shall only be permitted with the approval of the Engineer.

- Systems with 5 or less valves shall be installed with a minimum of 1 spare control wire, all systems with 6 or more valves shall have a minimum of 2 spare control wires.
- AC powered control clocks shall either be connected to an approved outlet or be hardwired. All hardwired systems shall be connected to an easily accessible circuit breaker dedicated only to the irrigation control. All hardwired systems shall be coordinated with Tacoma Power and the Engineer to determine where to connect to power. The Contractor shall be responsible for all costs for connections, coordination, and any permitting required for connections for hardwired systems.
- All systems shall have a rain gauge installed, gauges must be placed in locations that are not easily accessible by the public, but within the project limits.
- The Contractor shall coordinate all connections to an existing water main and shall coordinate with Tacoma Water and the Engineer to determine an existing location and shall use a 1 inch irrigation system size. The Contractor shall be install a backflow preventer at the water meter.

### 8-03.5 Payment

*This section is revised to read:*

“Irrigation Plan”, lump sum

The lump sum Contract price for “Irrigation Plan”, shall be full compensation for the design and submittal of the Irrigation Plan in accordance with Section 8-03. Any research on water services and electrical sources, corrections, and up to two subsequent resubmittals of the Irrigation Plan upon reviews by the Engineer and Metro Parks Tacoma shall be included in the lump sum price.

“Irrigation System”, lump sum.

All costs for furnishing, installing, and operating the irrigation system in accordance with Section 8-03 shall be included in the lump sum price for the complete irrigation system. This includes all costs for inspections, tests performed on cross-connection control devices, electrical wire testing during the life of the Contract, system maintenance and repair, winterization and startup, irrigation audits, and as-built Plans in accordance with Section 8-03. **All costs for coordination with Tacoma Water and Tacoma Power for connections and determining locations for connections shall be the responsibility of the Contractor and no extra payment shall be made for delays due to coordination. The Contractor shall be responsible for applying and obtaining all permits and paying all fees as required for connections to Tacoma Power and Tacoma Water mains, including any service connections costs.** Potholing for connections to existing water services shall be included in the lump sum price for irrigation system.

As the irrigation system is installed, the payment schedule will be as follows:

1. Payment will be made in proportion to the amount of Work performed up to 85 percent of the unit Contract price for irrigation system when the irrigation system is completed, tested, inspected, fully operational, and upon delivery of the As-builts, M&O Manuals and Operating Tools.
2. Payment shall be increased to 95 percent of the unit Contract price for irrigation system upon completion and acceptance of initial planting.

3. Payment shall be increased to 100 percent of the unit Contract price for irrigation system upon completion and acceptance of the first-year plant establishment and acceptance of all supplements to the Asbuilts or M&O Manuals.

**END OF SECTION**

**8-12 CHAINLINK FENCE AND WIRE FENCE**  
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**8-12.3 Construction Requirements**

*This section is supplemented with:*

Chainlink fence shall be coated with Black PVC where shown in the Plans or directed by the Engineer. The new chainlink fence shall match the height, style, and type of the existing black chainlink fence.

**8-12.3 Payment**

*This section is supplemented with:*

“Black PVC Coated Chain Link Fence Type”, per linear foot.

The unit contract price for “Black PVC Coated Chain Link Fence” per linear foot shall include all costs to construct the Chain Link Fence per this section and all costs for material and labor to coat the Chain Link Fence in Black PVC.

“Black PVC Coated Chain Link Fence Gate”, per each.

The unit contract price for “Black PVC Coated Chain Link Fence Gate” per each shall include all costs to construct the Chain Link Fence Gate per this section and all costs for material and labor to coat the Chain Link Fence Gate in Black PVC.

**END SECTION**



**8-13 MONUMENT CASES  
(March 17, 2003 Tacoma GSP)**

**8-13 MONUMENTS**

**8-13.1 Description**

This Work shall consist of constructing monuments in accordance with the Standard Plan and these Specifications, in conformity with the lines and locations shown in the Plans or as staked by the Engineer.

All existing monuments that are intact shall be removed and sent to the City of Tacoma Testing Lab.

**8-13.2 Materials**

Concrete shall be Class 3000 in accordance with the requirements of Section 6-02. 'Ready Mix' bag concrete shall not be used.

Bronze markers will be supplied by the Contractor.

**8-13.3 Construction Requirements**

The Contracting Agency shall obtain a permit for the temporary removal of the Monument from the Washington State Department of Natural Resources in accordance with the WAC 332-120. The Contracting Agency will provide a copy of the Permit to the Contractor. The Contractor shall not remove the existing Monument before receiving the permit and approval from the Engineer in writing. The Contractor shall adhere to WAC 332-120, DNR Application for Permit to Remove or Destroy a Survey Monument, when removing existing survey monuments.

The Contractor shall construct the poured monument in accordance with the City of Tacoma Standard Plan SU-01. The brass marker position shall be staked by the Contracting Agency. The bronze marker shall be engraved with the PLS number of the Professional Land Surveyor staking and verifying the monument location.

Bronze disks will be installed with the text legible from facing magnetic North. Disks to be installed to a positional tolerance of +/- 0.04 feet from center of disk to actual position by the Contractor using four 2-foot offset reference marks established by the Contracting Agency.

**8-13.4 Measurement**

Measurement of the poured monument will be per each.

**8-13.5 Payment**

Payment will be made in accordance with Section 1-04.1.

"Poured Monument", per each.

The unit Contract price per each for "Poured Monument" shall be full pay for all labor, equipment, and materials required to furnish and install the monument, including the removal of

existing monuments and necessary pavement removal to accommodate the installation in accordance with the standard plan and specifications.

## **8-20.5 Payment**

*This section is supplemented with the following:*

“Illumination System, Overlook”, lump sum.

The lump sum Contract price for “Illumination System \_\_\_\_\_” shall be full pay for the construction of the complete electrical system, modifying existing systems, or both, as described and as show in the Plans, and herein specified, including excavation, backfilling, concrete foundations, conduit, wiring, restoring facilities destroyed or damaged during construction, salvaging existing materials, and for making all required tests. All additional materials and labor, not shown in the Plans or called for herein and which are required to complete the electrical system, shall be included in the lump sum Contract price. The system also includes but is not limited: luminaire poles, luminaire bracket arms, LED luminaires, electrical service enclosures, and junction boxes. **The Contractor shall be responsible for all work to provide the permits, connections, and paying all fees associated with connections to TPU Power. The Contractor shall coordinate with TPU Power and the Engineer, no extra payment shall be made for delays due to coordination.**

## 8-22 PAVEMENT MARKING

### 8-22.2 Materials

*This section is supplemented with the following:*

All legends and arrows including “Plastic Arrow”, “Plastic Sharrow Symbol”, and “Plastic Letter” markings shall be a Preformed retro-reflective thermoplastic pavement marking material incorporating a pre-applied bead coating that can be adhered to asphalt, concrete and Portland Cement Concrete pavements by means of heat fusion. All “Plastic Chevron”, “Plastic Crosswalk Line”, and “Plastic Stop Line” shall be hot applied thermoplastic. The applied markings shall be very durable, oil and grease impervious, and provide immediate and continuing retro-reflectivity meeting the requirements of Section 9-34.3(2).

“Green Durable Product” materials shall meet the requirements of section 9-34.3(4) for MMA.

Materials used for curb paint shall be the same as for pavement marking paint per Section 9-34.2.

### 8-22.3 Construction Requirements

#### 8-22.3(3)E Installation

*This section is supplemented with the following for applying Type B material:*

**Effective Performance Life:** When properly applied, in accordance with manufacturer’s instructions, the preformed marking materials shall be neat and durable. The markings shall remain skid resistant and show no lifting, shrinkage, tearing, roll back, or other signs of poor adhesion.

**Packaging:** The flexible preformed marking material, for use as transverse or bike symbols as well as legends, shall be available in flat form material up to a maximum of 2 foot width by 4 foot length. The material shall be packed in suitable cartons clearly labeled for ease of identifying the contents. Packaging shall not use plastic liners within to separate material from itself. Product packaging shall identify part number and mil thickness.

**Material Replacement Provisions:** Any properly applied preformed marking materials that shall smear or soften independent of pavement movement or condition within a period of one year from date of application shall be replaced by the supplier.

**Installation:** The preformed marking materials shall be applied in accordance with the manufacturer’s recommendations on clean and dry surfaces. New Portland concrete cement surfaces must be sandblasted to entirely remove curing compound. Marking configuration shall be in accordance with the “Manual on Uniform Traffic Control Devices,” where applicable.

**New Surfaces:** Preformed marking materials specified for newly paved asphalt road surfaces shall be capable of being applied as the original permanent marking on the day the surface is paved.

**Fusion:** The preformed marking materials shall be fusible to the pavement by means of a propane torch recommended by the manufacturer.

**Technical Services:** The supplier shall provide technical services as may be required.

**8-22.3(4) Tolerances for Lines**

*The allowable tolerance for "Length of Line" is revised to read:*

**Length of Line:** The longitudinal accumulative error within a 32-foot length of skip stripe shall not exceed plus or minus 1 inch.

**END OF SECTION**