

**ADDENDUM 1
TO THE CONTRACT PROVISIONS AND CONTRACT PLANS**

FOR

**SILVER LAKE WATER AND SEWER DISTRICT
LIFT STATION 3 FORCE MAIN REPLACEMENT**

G&O #22468.00



2/28/2023

ISSUED THIS DATE: TUESDAY, FEBRUARY 28, 2023

**BID SUBMITTAL: 10:00 A.M. (LOCAL TIME) ON
TUESDAY, MARCH 14, 2023
SILVER LAKE WATER AND SEWER DISTRICT
15202 41ST AVENUE SE
BOTHELL, WASHINGTON, 98012**

Bidder shall acknowledge receipt of this Addendum on Page BP-4 of the Proposal.

TO PROSPECTIVE BIDDERS:

The attention of all prospective bidders on the above project is directed to the following additions and modifications to the Contract Provisions.

I. ADDITIONS, MODIFICATIONS, AND/OR DELETIONS TO THE TECHNICAL SPECIFICATIONS

ITEM 1:

Page 01160-1, Specification Section 01160-1.3, OTHER PERMIT REQUIREMENTS

ADD the following to the end of this Section:

“The Contractor should assume that work hours will be limited for work in 132nd Street SE and 134th Place SE to the hours of 9:00 a.m. to 3:00 p.m. Actual permit conditions will not be known until the traffic control permit has been submitted by the Contractor to Snohomish County.”

ITEM 2:

Specification Section 01400, Quality Control

DELETE Section 01400 in its entirety and **REPLACE** with the attached document.

SECTION 01400

QUALITY CONTROL

PART 1 GENERAL

1.1 SCOPE

The work specified in this Section includes the control tests, test sample collection, required field-testing, and special inspections as specified herein, and indicated on the Plans.

1.2 RELATED WORK SPECIFIED ELSEWHERE

<u>Section</u>	<u>Item</u>
02300	Earthwork
02700	Gravel Materials
02740	Hot Mix Asphalt and Asphalt Treated Base Paving

1.3 PAYMENT

All testing as required by this Section shall be coordinated and scheduled by the Contractor with the Owner's designated testing agency. The Owner will contract with, and pay for, a testing agency to conduct all field and laboratory tests and special inspections as designated herein.

Retesting and reinspection required because of defective work and testing performed for the convenience of the Contractor shall also be paid for by the Contractor. Costs for retesting (beyond that which is required herein) will be reimbursed to the Owner in the form of a credit on a change order at the time of project acceptance.

All costs for scheduling, sampling, coordinating, and retesting of defective work shall be considered as incidental to the work and merged into the respective unit and lump sum prices bid.

PART 2 PRODUCTS

2.1 SOILS AND GRANULAR MATERIALS

A. COMPACTION CONTROL

Optimum moisture content and maximum density tests shall be determined by the following method:

ASTM D1557 – Laboratory Compaction Characteristics of Soil Using Modified Effort

B. IN-PLACE TESTS

In-place density and moisture content tests shall be made by an independent testing laboratory according to the following methods:

ASTM D1556 – Density and Unit Weight of Soil in Place by the Sand Cone Method

ASTM D6938 – Standard Test Method for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth).

2.2 AGGREGATES

All aggregates shall be tested in accordance with applicable WSDOT test methods:

<u>Title</u>	<u>Test Method</u>
Sampling	AASHTO T2
Sieve Analysis of Fine and Coarse Aggregates	104A
Material Finer than No. 200 Sieve in Aggregates	102A
Percentage of Particles Smaller than 0.025 mm and 0.005 mm	603A
Organic Impurities	111A
Abrasion of Coarse Aggregates by Use of the Los Angeles Machine	101A
Sand Equivalent	109A

2.3 HOT MIX ASPHALT

Paving asphalt shall be tested in accordance with the current version of WSDOT Standard Specification Section 9-02.

PART 3 EXECUTION

3.1 SAMPLING AND TESTING FREQUENCY

A. GENERAL

The Contractor shall be responsible for the coordination and scheduling of a certified independent testing laboratory employed by the Owner to provide the following quality control tests at the number and frequency described herein. The precise location of the tests shall be designated by the Engineer. The Contractor shall cooperate with laboratory personnel employed to conduct the density testing, sampling of material(s), and special inspections. The Contractor shall provide safe access within the work site for laboratory personnel such that density testing and visual inspection can be performed. The Contractor shall provide samples of materials to be tested in the quantities required and herein specified to the appropriate laboratory personnel. The Contractor shall furnish all labor, equipment, tools, and materials necessary to obtain and deliver samples as herein designated. He shall also provide and repair any test holes required in order to facilitate the testing and sampling and to provide for the testing laboratory's exclusive use for storage and curing of test samples until removed to the laboratory.

Any areas tested and further failing compliance with the Specifications shall be recompacted and retested at the Contractor's expense, until a successful density test indicating compliance with these Specifications has been achieved.

B. SOIL TESTING

The Contractor shall schedule and coordinate with the Owner-employed independent testing laboratory to conduct the following quality control tests at the given frequency:

<u>Material</u>	<u>Test</u>	<u>Minimum Sampling & Testing Frequency</u>
Backfill for foundations, walls, trenches and roads ¹	Gradation	One for every 500 cy or one per day, whichever is more frequent, for each type of soil or fill material with quantities exceeding 25 cy. For trenches, one per day and one every 250 feet of trench.
	In-Place Density ^{2,3,4}	One every 500 cy or one per day for each type of soil or fill material with quantities exceeding 25 cy. For trenches, one per day and one every 250 feet of trench.
	Moisture-Density Relationship ³	One prior to start of backfilling operation, one every 20 densities and any time material type changes.
Pipe Bedding ¹	Gradation	One every 750 feet of trench.
Subgrade and Fills ¹	In-Place Density ^{2,3}	One every 500 cy of each type material.
	Moisture-Density Relationship	One for every 20 densities for each material.
	Gradation	One for every moisture-density.

1. All acceptance tests shall be conducted from in-place samples.
2. Additional tests shall be conducted when variations occur due to the Contractors, operations, weather conditions, site conditions, etc.
3. The nuclear densometer, if properly calibrated, may be used but only to supplement the required testing frequency and procedures. The densometer shall be calibrated and is recommended for use when the time for complete results becomes critical.
4. Depending on soil conditions, it is anticipated that compaction tests shall be required at depths of 2 feet above the pipe and at each additional 5 feet to the existing surface plus a test at the surface.

C. HOT MIX ASPHALT AND ASPHALT TREATED BASE TESTING FREQUENCY

The Contractor shall schedule and coordinate with the Owner-employed testing laboratory to conduct the following quality control tests at the stated frequency:

Hot Mix Asphalt and Asphalt Treated Base

Material	Test	Minimum Sampling & Testing Frequency
Commercial HMA and ATB	Rice Density	1 – project.
HMA Cl. ½” PG 58H-22 Project Quantity > 800 tons	Rice Density, Gradation, Asphalt Binder Content and Percent Air Voids (Va)	1 – 1,000 TN. ⁽²⁾
Commercial HMA, HMA Cl. ½” PG 58H-22, ATB	Compaction ⁽¹⁾	1 – 100 TN.

Hot Mix Asphalt Aggregate⁽³⁾

Material	Test	Minimum Sampling & Testing Frequency
Aggregate	SE, Fracture	1 – 2,000 TN.

- (1) All acceptance tests shall be conducted from in place samples.
- (2) A minimum of three samples, on a random basis, shall be taken and tested.
- (3) Hot mix asphalt aggregate tests are not required for Commercial HMA or for HMA Cl. 1/2" PG 58H-22 that has a project quantity of ≤ 400 tons.

***** END OF SECTION *****