

AMENDMENT NO. 6  
to the  
PROFESSIONAL SERVICES AGREEMENT  
Between

CITY OF SANDY and STANTEC CONSULTING SERVICES, INC.

This Amendment is made and entered into 19 day of February 2025, by and between the City of Sandy, OR (hereinafter "City"), whose address for any formal notice is 39250 Pioneer Blvd. Sandy OR, 97055 and Stantec Consulting Services, Inc. (hereinafter "Contractor") with an office at 601 SW 2<sup>nd</sup> Ave, 14<sup>th</sup> Floor Portland, Oregon 97204. This is Amendment No. 6 to the Agreement Dated February 14, 2023, between City and Contractor.

Now, therefore, City and Contractor agree to amend the Agreement as follows:

1. The Scope of Services in Exhibit A is amended as Task Order No. 3 to provide engineering services to complete the conceptual design of a new pump station and an alignment study as part of the Sandy to Gresham Pump Station and Force Main project.
2. The Fee in Exhibit B is \$279,166.51.

All other terms and conditions of the Contract remain unchanged by this Amendment and are in full force and effect.

Both parties indicate their approval of this Amendment by their signatures below.

STANTEC CONSULTING SERVICES, INC.

CITY OF SANDY, OREGON

Authorized signature:

Authorized signature:

*Dick Talley*

Name: Dick Talley, Vice President

Name: \_\_\_\_\_

Date: February 11th, 2025

Date: \_\_\_\_\_

# EXHIBIT A - SCOPE OF SERVICES

## **BACKGROUND**

As noted in the City of Sandy's (City's) 2024 Wastewater Facility Plan Amendment (Amendment), the Environmental Protection Agency's (EPA's) Consent Decree requires the City to evaluate new additional treatment alternatives, located on or near the existing wastewater treatment plant (WWTP) site. A concept-level screening approach was applied to five possible wastewater treatment project concepts to identify economic, regulatory, implementation, and resiliency challenges.

Alternative 4, the Regional Treatment Plant concept, consists of pumping untreated wastewater to an adjacent treatment facility by constructing a new pump station near, but upstream of the existing WWTP, and constructing a pipeline conveying this untreated wastewater flow from the new pump station to a WWTP owned and operated by the City of Gresham, Oregon.

## **SCOPE OF SERVICES:**

The scope of engineering services described herein will be provided by Stantec to complete the conceptual design of a new pump station located at or near the City's existing WWTP and an alignment study for routing a combination force main/gravity main (approximate length of 14 miles) from the new pump station to the City of Gresham's (Gresham's) existing WWTP or a point of connection upstream of Gresham's WWTP.

### **1.0 Task 1 – Wastewater Pump Station Conceptual Design**

#### **1.1 Task Specific Objectives:**

The purpose of this task is to develop and refine the design concepts to the conceptual design level.

#### **1.2 Task Specific Assumptions:**

- A. In conjunction with Task 2, a hydraulic modeling assessment will be performed for the purpose of preliminary pump selection and to confirm pipe design parameters including sizing requirements, operational pressures and velocities, and flow capacity.
- B. The following services are not being provided in this scope and will be included in Final Design:
  - 1. Topographic and cadastral surveying
  - 2. Geotechnical investigations
  - 3. Surge analysis

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4. Cathodic protection evaluation
5. Public outreach
6. Archaeological or cultural resources investigations
7. Easement acquisition
8. Detailed Design

## **1.3 Subtasks:**

- A. Two sites will be evaluated for locating a new pump station:
  1. At the City's existing WWTP site.
  2. At a location of higher elevation along the trunk sewer's existing alignment.
- B. Evaluation criteria to select between the two sites will include the following elements and corresponding weighting:
  1. Ability to Meet Hydraulic Needs and Other Project Goals: Pass/Fail
  2. Constructability: 10%
  3. Comparative Cost Savings: 15%
  4. Number of Easements Required: 10%
  5. Public / Traffic Impacts: 10%
  6. Residential and Business Impacts: 10%
  7. Impacts to/from Existing Utilities: 10%
  8. Permitting Complexity: 10%
  9. Maintenance / Long-Term Access: 10%
  10. Project Schedule: 15%
- C. Stantec will advance the design of the new pump station located at the highest-rated location selected in Step 1.3.B to conceptual design status. Light detection and ranging (LIDAR) base mapping will be utilized for the purposes of generating site plans for station arrangement and site access.
- D. The conceptual design will also include mechanical pump station layout, preliminary pump and equipment selection, power supply and backup power, yard piping to intercept wastewater flows and to connect to proposed force main, and conceptual architectural and structural design.
- E. Stantec will develop a Class 5 opinion of probable construction costs (OPCC).

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## 1.4 Task Specific Deliverables:

A. The anticipated deliverables will include both a technical memorandum as well as companion drawings. The technical memorandum is anticipated include the following sections:

1. Background
2. Pump Station Design Criteria
3. Pump Station Configuration
4. Pump Station Features
5. Identification of Permits Anticipated for Final Design and Construction
6. Identification of any right of way or easements required
7. Preliminary Class 5 OPCC

a. The OPCC to be developed under this subtask will be prepared in accordance with the guidelines of AACE International, the Association for the Advancement of Cost Engineering. The design will be advanced to Conceptual Design which will be 10 to 15% complete level. The expected accuracy for the design milestones proposed for this project are presented in the table below:

<u>Design Milestone</u>	<u>Expected Accuracy</u>
Conceptual Design (Class 5)	-50% to +100%

- b. The City acknowledges that Stantec has no control over cost of labor, materials, competitive bidding environment and procedures, unidentified field conditions, financial and/or market conditions, or any other factors likely to affect the OPCC of this project, all of which are and will unavoidably remain in a state of change, especially in light of the high volatility of the market attributable to Acts of God and other market events beyond the control of the parties. The City further acknowledges that this OPCC is a 'snapshot in time' and that the reliability of the OPCC will degrade over time. The City agrees that Stantec cannot and does not make any warranty, promise, guarantee or representation, either express or implied that proposal, bids, project costs, or cost of O&M functions will not vary significantly from Stantec's good faith OPCC.
- c. The Class 5 OPCC will include values for Program Management, Design Management, Design, Construction, Construction Management, contingency and allowances.

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This estimate will be completed in 2025 US Dollars and then escalated to the proposed mid-point of construction (July 2029) at 4.5% per year to arrive at a budgetary estimate to be used for making funding source applications and overall Sandy Clean Waters Program budgeting and planning.

- B. The companion drawings are assumed to consist of the following:
  - 1. Cover Sheet, Drawing Index, Vicinity/Location Maps
  - 2. General Notes, Symbols, Abbreviations, and Legend
  - 3. Civil Site Plan
  - 4. Civil Yard Piping Plan
  - 5. Architectural Floor Plan and Roof Plan
  - 6. Architectural Elevations
  - 7. Structural Floor Plan and Roof Plan
  - 8. Structural Sections
  - 9. Mechanical Floor Plan
  - 10. Mechanical Sections
  - 11. Electrical One-Line Diagram and Equipment Elevations
  - 12. P&ID
  
- C. The deliverables will be consolidated into a Draft Conceptual Design Technical Memorandum in PDF format and submitted to the City for review and comment.
  
- D. Comments received on the Draft Conceptual Design Technical Memorandum will be addressed and incorporated into a Final Conceptual Design Technical Memorandum in PDF format.
  
- E. It is anticipated that the Final Conceptual Design Technical Memorandum will be used for funding applications, initial permitting applications, right of way/easement procurement (if necessary), public outreach and communications and in the procurement of professional services such as surveying, geotechnical investigations, and detailed design services by others.

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## **2.0 Task 2 – Wastewater Force Main Conceptual Design**

### **2.1 Task Specific Objectives:**

The purpose of this task is to evaluate and determine a permanent alignment, acceptable pipe materials of construction, and acceptable pipe diameters for up to approximately 14 miles of wastewater force main and potential intertie locations.

### **2.2 Task Specific Assumptions:**

- A. In conjunction with Task 1, a hydraulic modeling assessment will be performed for the purpose of preliminary pump selection and to confirm pipe design parameters including sizing requirements, operational pressures and velocities, and flow capacity.
- B. The following services are not being provided in this scope and will be included in Final Design:
  - 1. Topographic and cadastral surveying
  - 2. Geotechnical investigations
  - 3. Surge analysis
  - 4. Cathodic protection evaluation
  - 5. Public outreach
  - 6. Archaeological or cultural resources investigations
  - 7. Easement acquisition
  - 8. Detailed Design
- C. Light detection and ranging (LIDAR) base mapping will be utilized for the purposes of generating plan and profile drawings of the alignment(s).

### **2.3 Subtasks:**

- A. From the new pump station conceptually designed in Task 1, the alignment will traverse westwardly paralleling along Highway 26 towards the City of Gresham from an initial location near the intersection of Highway 26 and SE Orient Drive. From this intersection, Stantec will develop up to three routing alternatives for further evaluation.  
A minimum of one alignment alternative will be a direct route to the City of Gresham's WWTP. One or both of the remaining two alternatives may include a connection to Gresham's wastewater collection system at location(s) upstream of Gresham's WWTP.  
Plan view drawings (no profiles) will be developed using a horizontal scale of 1"=200'. At this horizontal scale, approximately 10,000 feet of force main alignment can be presented on each

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drawing, presented as two 5,000-foot viewports shown on each drawing.

- B. Stantec will participate in two workshops with the City and Gresham:
  - 1. Identification of up to two feasible points of connection to Gresham's wastewater collection system upstream of Gresham's WWTP.
  - 2. Selection of three alignment alternatives from the intersection of Highway 26 and SE Palmquist Road to a connection to Gresham's wastewater collection system
- C. Evaluation criteria will include the following elements and corresponding weighting:
  - 1. Ability to Meet Hydraulic Needs and Other Project Goals: Pass/Fail
  - 2. Constructability: 10%
  - 3. Comparative Cost Savings: 15%
  - 4. Number of Easements Required: 10%
  - 5. Public / Traffic Impacts: 10%
  - 6. Residential and Business Impacts: 10%
  - 7. Impacts to/from Existing Utilities: 10%
  - 8. Permitting Complexity: 10%
  - 9. Maintenance / Long-Term Access: 10%
  - 10. Project Schedule: 15%
- D. The results of Subtasks 2.3-A through 2.3-C will be consolidated into a Conceptual Design Technical Memorandum. See Subtasks 2.4-C and 2.4-D.
- E. Comments received on the Draft Conceptual Design Technical Memorandum will be addressed and incorporated into a Final Conceptual Design Technical Memorandum.

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## 2.4 Task Specific Deliverables:

A. The anticipated deliverables will include both a technical memorandum as well as companion drawings. The technical memorandum is anticipated include the following sections:

1. Background
2. Pipeline Design Criteria
3. Pipeline Configuration for Redundancy
4. Pipeline Features for Interties and Pigging/Cleaning/Inspection and Odor Control
5. Identification of Permits Anticipated for Final Design and Construction
6. Identification of Required Right of Way and Easements
7. Identification of any known or obvious environmentally sensitive areas or major utility crossings such as buried primary power, natural gas transmission or other major underground utilities such as large diameter water transmission or major fiber optics lines.
8. Preliminary Class 5 OPCC

- a. The OPCC to be developed under this subtask will be prepared in accordance with the guidelines of AACE International, the Association for the Advancement of Cost Engineering. The design will be advance to Conceptual Design which will be 10 to 15% complete level. The expected accuracy for the design milestones proposed for this project are presented in the table below:

<u>Design Milestone</u>	<u>Expected Accuracy</u>
<u>Conceptual Design (Class 5)</u>	<u>-50% to +100%</u>

- b. The City acknowledges that Stantec has no control over cost of labor, materials, competitive bidding environment and procedures, unidentified field conditions, financial and/or market conditions, or any other factors likely to affect the OPCC of this project, all of which are and will unavoidably remain in a state of change, especially in light of the high volatility of the market attributable to Acts of God and other market events beyond the control of the parties. The City further acknowledges that this OPCC is a 'snapshot in time' and that the reliability of the OPCC will degrade over time. The City agrees that Stantec cannot and does not make any warranty, promise, guarantee or representation, either express or implied that proposal, bids, project costs, or cost



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of O&M functions will not vary significantly from Stantec's good faith OPCC.

- c. The Class 5 OPCC will include values for Program Management, Design Management, Design, Construction, Construction Management, contingency and allowances. This estimate will be completed in 2025 US Dollars and then escalated to the proposed mid-point of construction (July 2029) at 4.5% per year to arrive at a budgetary estimate to be used for making funding source applications and overall Sandy Clean Waters Program budgeting and planning.
- B. The companion drawings are assumed to consist of the following:
1. Cover Sheet, Drawing Index, Vicinity/Location Maps
  2. General Notes, Symbols, Abbreviations, and Legend
  3. Force Main Key Plan
  4. Plan Sheets (24 Drawings at 1"=200' Horiz. Scale)
  5. Intertie Plan View
  6. Pigging, Inspection and Cleaning Details
  7. Odor Control Details
  8. Bore and Case locations, approximate lengths and details on casing diameters and lengths.
- C. The deliverables will be consolidated into a Draft Conceptual Design Technical Memorandum in PDF format and submitted to the City for review and comment.
- D. Comments received on the Draft Conceptual Design Technical Memorandum will be addressed and incorporated into a Final Conceptual Design Technical Memorandum in PDF format.
- E. It is anticipated that the Final Conceptual Design Technical Memorandum will be used for funding applications, initial permitting applications, right of way/easement procurement (if necessary) public outreach and communications and in the procurement of professional services such as surveying and geotechnical investigations and detailed design services by others.

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## SCHEDULE OF SERVICES

We anticipate the following schedule, based on an assumed Notice to Proceed of February 18, 2025.

### Project Schedule

Task Name	Estimated Duration	Completion Date
<b>Task 1 – Wastewater Pump Station Conceptual Design</b>	<b>24 weeks</b>	<b>18Feb25 – 31Jul25</b>
Draft Conceptual Design TM	15 weeks	18Feb25 – 30May25
City Review	4 weeks	02Jun25 – 27Jun25
Final Conceptual Design TM	5 weeks	30Jun25 – 31Jul25
<b>Task 2 – Wastewater Force Main Conceptual Design</b>	<b>24 weeks</b>	<b>18Feb25 – 31Jul25</b>
Draft Conceptual Design TM	15 weeks	18Feb25 – 30May25
City Review	4 weeks	02Jun25 – 27Jun25
Final Conceptual Design TM	5 weeks	30Jun25 – 31Jul25

## COMPENSATION

Compensation for this Scope of Work shall be subjected to a not-to-exceed total fee of **\$279,166.51**. See Table 1 for a breakdown of budgeted engineering fees by task.

**Table 1: Budgeted Engineering Fees by Task**

Task Description	Stantec Hours	Total Engineering Fees
Task 1 – Wastewater Pump Station Conceptual Design	651	\$144,838.35
Task 2 – Wastewater Force Main Conceptual Design	672	\$134,328.16
<b>Total</b>	<b>1,323</b>	<b>\$279,166.51</b>

# EXHIBIT B - FEE



<b>Project Company</b>	Stantec US Business Group
<b>Project Currency</b>	US Dollar
<b>Contract Type</b>	Time & Material

<b>Project Number</b>	2002006370
<b>Project Name</b>	Sandy Clean Waters Program, Program Management
<b>Client Name</b>	City of Sandy, Oregon
<b>Business Centre</b>	2002
<b>Project Manager</b>	Talley, Dick
<b>Project Independent Reviewer</b>	McGinn, Rachel

Project Summary	Total Fee
Labour	\$279,166.51
Expense	\$0.00
Subs	\$0.00
<b>Total</b>	<b>\$279,166.51</b>

Planned Start Date	Planned End Date
2025-02-19	2025-09-30

Name	Role	Billing Rate	Hours	Sub-Total Fee
Talley, Dick	Project Manager	\$309.90	56.00	\$17,354.40
Eder, Aaron	Task Order Manager & Coordination	\$309.90	100.00	\$30,990.00
Stephens, Heather	Task Order Manager & Coordination	\$309.90	100.00	\$30,990.00
Stiegler, Linda	Quality Control	\$208.10	54.00	\$11,237.40
Bailey, Tom	Pump Station Design Lead	\$211.93	168.00	\$35,604.24
Johnson, Andrew	Force Main Design Lead	\$151.55	402.00	\$60,923.10
Van Doorn, Mike	Hydraulic Modeling	\$309.90	40.00	\$12,396.00
Price, Eric	CAD Lead	\$165.41	64.00	\$10,586.24
Pannone, Cindi	GIS Specialist	\$140.14	32.00	\$4,484.48
Navarro, Elizabeth	Architectural Lead	\$197.25	56.00	\$11,046.00
Minnick, Eugene	Architectural Lead	\$309.90	5.00	\$1,549.50
Yung, Josh	Structural Lead	\$137.13	56.00	\$7,679.28
Perkins, Matthew	Structural QC	\$264.41	5.00	\$1,322.05
Seymour, Will	Electrical Lead	\$204.48	56.00	\$11,450.88
Deerkop, John	Electrical QC	\$261.30	5.00	\$1,306.50
Polla, Don	Cost Estimating	\$280.82	100.00	\$28,082.00
Horne, Ariana	Admin/Support	\$110.29	12.00	\$1,323.48
Rogers, Sarrina	Admin/Support	\$70.08	12.00	\$840.96
			<b>1,323.00</b>	<b>\$279,166.51</b>