



Gregory L. Geist
Director

Board of County Commissioners
Clackamas County

Members of the Board:

Approval of Amendment #1 with Elting Northwest, Inc. for the
Sunsprite Sinkhole Repair- Emergency Work

Purpose/Outcomes	Execution of the contract between Water Environment Services and Elting Northwest, Inc. for the Sunsprite Sinkhole Repair- Emergency Work
Dollar Amount and Fiscal Impact	Amendment #1 adds an additional \$200,000 to the existing \$75,000, for a total contract amount not to exceed \$275,000.00.
Funding Source	WES Surface Water Funds 641-01-30210-437100
Duration	Contract through July 1, 2020
Previous Board Action	None. County Administrator approved the Emergency Procurement Declaration.
Strategic Plan Alignment?	This project aligns with the County's strategic priority to Build a Strong Infrastructure - Ensure long-term investments in infrastructure that will support the diverse needs of Clackamas County residents, including: a thriving economy, living wage jobs, housing and transportation alternatives, and a healthy environment.
Counsel Review	April 21, 2020
Contact Person	Ron Wierenga, Environmental Services Manager, 503-742-4581 Leah Johanson, WES Senior Civil Engineer, 503-742-4620

BACKGROUND:

On January 29, 2020, a 250-foot-long stormwater detention chamber in the Red Rose Valley subdivision in Happy Valley collapsed and caused a sinkhole in a resident's backyard. WES staff initially responded by stabilizing the sinkhole and bypassing stormwater runoff around the failed infrastructure. The County Administrator declared an emergency in response to the event. WES has been working with an engineering consultant team to evaluate and monitor the collapse, assess the integrity of the entire detention pipe, and evaluate options for repair.

There is continued settlement of material into the collapsed detention pipe, and the surrounding soil will continue to settle and fill the void created by the collapsed section. The pipe is at risk of additional sections collapsing and affecting additional properties. From the data collection and monitoring completed to date, it appears the pipe likely collapsed due to improper fill, compaction, and poor installation when initially installed in the late 1990's. Assuming the same construction methods were used for the rest of the detention system, it is uncertain whether remainder of the pipe structurally sound, or also at risk of failure.

An option of slip-lining the chamber with another smaller pipe for detention or conveyance to the existing outfall was evaluated, however, given the proximity of the pipe to the existing home and the extensive excavation required for installation it was determined too high risk. The decision was made to abandon the system and remove it from service by backfilling the pipe in-place with concrete.

This amendment modifies the scope of work for Phase 1 to reflect the revised plan to stabilize the site and abandon the detention system, and authorizes the scope and budget for Phase 2 to backfill the chamber with cellular concrete, and to repair affected properties.

WES will continue to work with engineering contractors on a potential phase 3 to evaluate alternate storm system conveyance and potentially recover detention volume in the storm system for the subdivision.

PROCUREMENT PROCESS:

On January 30, 2020, a communication describing the Sunsprite emergency was distributed to the County Administrator, WES management, and the Chief Procurement Officer. On February 7, 2020, an Emergency Procurement Declaration was authorized. WES staff performed initial work to temporarily stabilize the site and divert stormwater runoff away from the failing system, while the extent of the damage and potential path forward was determined in coordination with engineers brought in to assist with the evaluation. With additional settlement of material into the collapsed pipe continuing to present a risk of further collapse and potential damage to homes, in addition to the uncertainty of the impact of the Covid-19 pandemic on the availability of construction services needed to remedy the situation, the District brought in Elting Northwest, Inc. to stabilize the emergency work area in accordance with LCRB C-047-0280.

RECOMMENDATION:

Staff recommends that the Board of County Commissioners of Clackamas County, acting as the governing body of Water Environment Services, approve and execute the Amendment between Water Environment Services and Elting Northwest, Inc. for the Sunsprite Sinkhole Repair Emergency Work.

Respectfully submitted,

Greg Geist, Director
Water Environment Services

Placed on the BCC Agenda _____ by Procurement.

**AMENDMENT #1
TO THE CONTRACT DOCUMENTS WITH ELTING NORTHWEST, INC. FOR THE
SUNSPRITE EMERGENCY WORK
Contract #2740**

This Amendment #1 is entered into between Elting Northwest, Inc. (“Contractor”) and Water Environment Services (“WES”) and shall become part of the Contract documents entered into between both parties on April 7, 2020 (“Contract”).

The Purpose of this Amendment #1 is to make the following changes to the Contract:

1. **Section 3, Scope of Work** is hereby amended as follows:
Phase 1 was used to stabilize 40 feet of collapsed pipe culvert and it has been determined that Phase 2 of the construction services are needed to remove the existing collapsed culvert and fill the area with cellular concrete. The revised Scope of Work including both Phase 1 scope of work along with the Phase 2 scope of work is attached as **Exhibit A** and hereby incorporated by reference, which document shall supersede the original scope of work. Phase 2 is hereby activated with this amendment.

2. **Section 2, Contract Price** is hereby amended as follows:
The contract price is increased by **\$200,000.00** to reflect the additional work performed and the total Contract compensation shall not exceed \$275,000.00.

ORIGINAL CONTRACT	\$ 75,000.00
<u>AMENDMENT #1</u>	<u>\$ 200,000.00</u>
TOTAL AMENDED CONTRACT	\$ 275,000.00

Except as expressly amended above, all other terms and conditions of the Contract shall remain in full force and effect. By signature below, the parties agree to this Amendment #1, effective upon the date of the last signature below.

Elting Northwest, Inc.

Water Environment Services

Authorized Signature Date

Chair Date

Printed Name

Recording Secretary

163553 Exp 3/7/2021
Oregon CCB

Approved as to Form:

County Counsel Date

EXHIBIT A