

## WORK CHANGE DIRECTIVE NO.: 3

Owner: Town of Erie

Engineer: HDR Engineering, Inc.

Contractor: Geo-Solutions, Inc.

Project: Erie Lake Dam Seepage  
Rehabilitation

Contract Name: N/A

Date Issued: June 1, 2026

Owner's Project No.: P22-91

Engineer's Project No.: 10405834

Contractor's Project No.: N/A

Effective Date of Work Change Directive: June 1, 2026

Contractor is directed to proceed promptly with the following change(s):

### Description:

Revised Sheet C-09 (attached as C-09a) shows construction in proximity to outlet works to accommodate field conditions including a higher working platform/lake bottom than anticipated and potential groundwater. Removal of existing riprap, grading around the outlet works, and backfill with Low Permeability Fill, CDOT Fine Aggregate, CDOT Median Cover Aggregate, and Riprap was originally in the design. This revision to the drawings includes replacing the 3-foot-thick layer of Low Permeability Fill with geosynthetic clay liner (GCL) and excluding CDOT Median Cover Aggregate from the bottom of the constructed outlet works channel only. These modifications reduce the depth of excavation by reducing the typical cross-section thickness within the outlet works channel versus that shown on Detail D on C-08 of the March 25, 2026 sealed drawings. Further, the revision includes excavating a 10-foot wide, 30-foot-long channel downstream of the outlet works with erosion armoring 10-feet downstream of the Phase 1 soil-bentonite cutoff wall.

This revision requires a contract amendment due to the addition of GCL that was not originally included in the design. The Engineer's estimated area is 2,100 square feet of GCL but does not include overlap and waste. GCL to be constructed of sodium bentonite between geotextiles with needlepunch reinforcement laminated to a water resistant geofilm. Cetco/MineralsTech Bentomat® CL GCL is a preapproved product and an installation guide for this material is attached. Contractor to submit material data sheets for selected GCL for Engineer approval prior to procurement.

The Contractor shall perform a detailed assessment of the Work Change Directive No. 3 (WCD3) to determine whether the change in materials, products, or construction methods result in any increase or decrease in cost. This assessment shall include evaluation of procurement costs, lead times, schedule impacts, installation requirements, compatibility with adjacent works, and any associated quality-control or performance considerations. The Contractor shall submit a written statement confirming whether WCD3 results in a cost variance, together with supporting documentation. If applicable, when developing fee for this work change directive on a unit rate basis, Contractor shall consider addition of GCL, riprap armoring, and CDOT Fine Aggregate extension in the outlet works channel in lieu of Low Permeability Fill and CDOT Median Cover Aggregate from the cross-section.

### Attachments:

1. Revised drawing Sheet C-09a (replacing Sheet C-09 in March 25, 2026 drawings).
2. Bentomat® Geosynthetic Clay Liners, Installation Guide

Purpose for the Work Change Directive:

Revisions to the area upstream of the outlet works to accommodate higher working platform/lake bottom and potential groundwater.

Directive to proceed promptly with the Work described herein, prior to agreeing to change in Contract Price and Contract Time, is issued due to:

Non-agreement on pricing of proposed change.  Necessity to proceed for schedule or other reasons.

Estimated Change in Contract Price and Contract Times (non-binding, preliminary):

Contract Price:	Item No.	Description	Unit	Estimated Quantity (Change)	Unit Price (\$)	Total Amount (\$)
	5a	Low Permeability Fill (Borrow)	CY	(-50)	\$41.10	<b>-\$2,055.00</b>
	9a	CDOT Fine Aggregate	CY	(100)	\$171.60	\$17,160.00
	9b	CDOT Median Cover Aggregate	CY	(0)	\$220.00	\$0.00
	10a	Purchase New 12-inch Riprap	CY	(25)	\$109.30	\$2,732.50
	10b	Install Riprap (New and Salvaged)	CY	(25)	\$170.60	\$4,265.00
	15	Geosynthetic Clay Liner	SF	2,100	\$9.50	\$19,950.00
Contract Modification Total (\$)						\$42,052.50

Contract Time: 1 days [increase] [decrease] [not yet estimated].

Basis of estimated change in Contract Price:

Lump Sum  Unit Price  Cost of the Work  Other

Recommended by Engineer

Authorized by Owner

By: Caleb Stock

*Bruce Chameroy*

Title: Design Engineer

Water & Wastewater Division Manager

Date: June 1, 2026

June 3, 2026