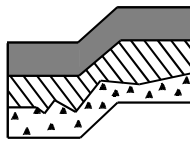


# DESIGN MEMORANDUM



## TERRA ASSOCIATES, Inc.

Consultants in Geotechnical Engineering, Geology  
and  
Environmental Earth Sciences

To: Mr. Tyler Litzenberger Date: May 31, 2024  
Vector Development Company Project Number: T-8565  
From: Michael J. Xenos, P.E. Project Name: Freeman Logistics  
Subject: Groundwater Monitoring Pierce County, Washington

Tyler:

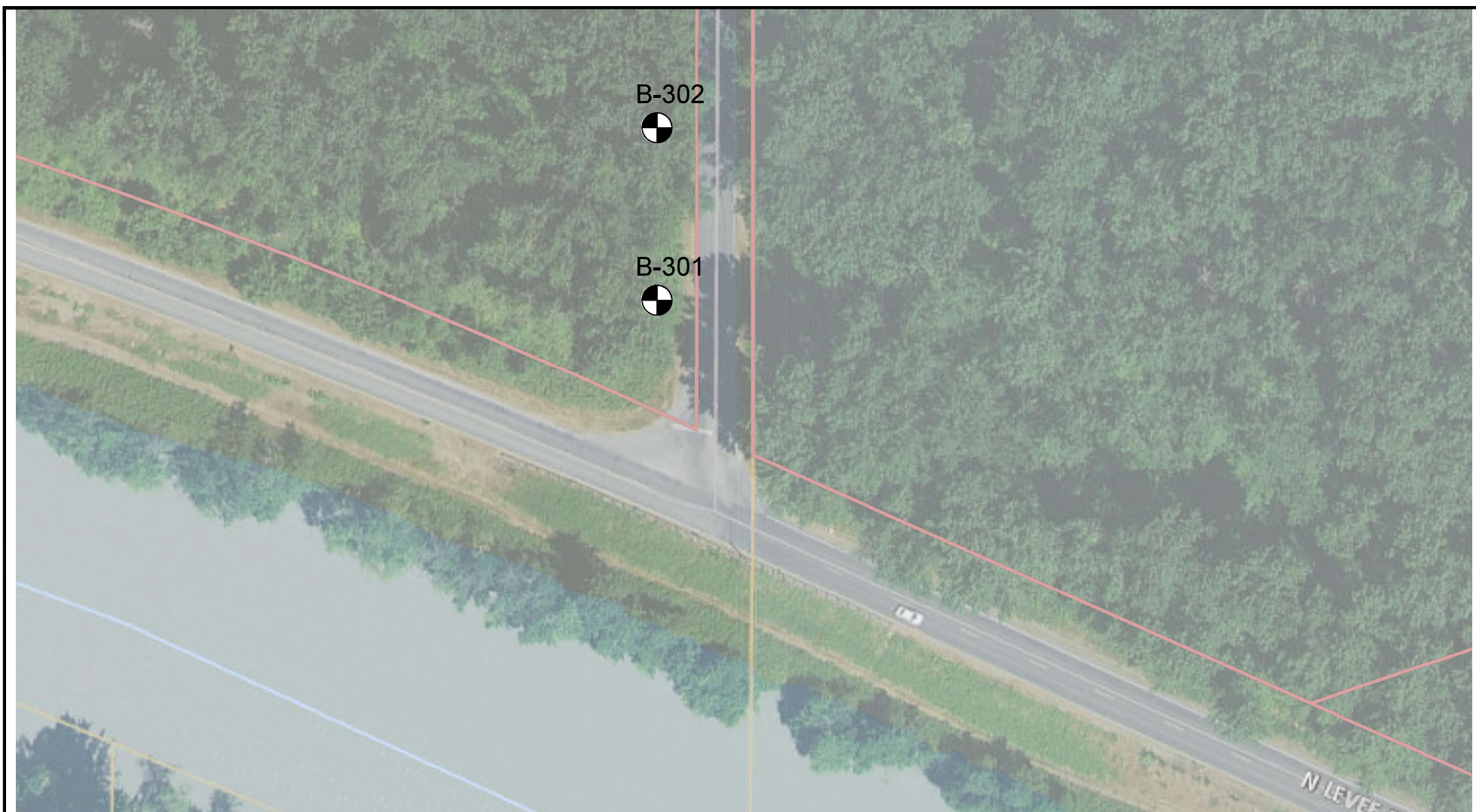
As requested, we have completed the winter groundwater monitoring program at the Freeman Logistics project in Pierce County, Washington.

On January 5, 2024, we began monitoring the groundwater in the monitoring wells installed at the site. The monitoring wells were designated at Test Borings B-301 and B-302 and were installed approximately 20 feet below current site grades. We stopped monitoring on May 13, 2024. The results of our seasonal monitoring are in the table below.

Test Boring Number	Seasonal High Groundwater (Depth below Grade, feet)
301	7.8 feet below grade (~Elev. 22.2)
302	10.3 feet below grade (~Elev. 21.8)

Based on the results of our study, the site should be designed using assumed seasonal high groundwater depths of 7 feet and 10 feet below site grades at the locations of Test Borings B-301 and B-302, respectively. The approximate locations of the test borings are attached to this memo. Hydrographs detailing groundwater depths with respect to time are also attached.

We trust the information presented in this memo is sufficient for your current needs. If you have any questions or require additional information, please call.



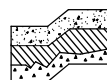
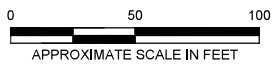
**NOTE:**

THIS SITE PLAN IS SCHEMATIC. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE. IT IS INTENDED FOR REFERENCE ONLY AND SHOULD NOT BE USED FOR DESIGN OR CONSTRUCTION PURPOSES.

**REFERENCE:** SITE PLAN PROVIDED BY PIERCE COUNTY GIS.

**LEGEND:**

APPROXIMATE BORING LOCATION



**Terra Associates, Inc.**  
 Consultants in Geotechnical Engineering  
 Geology and  
 Environmental Earth Sciences

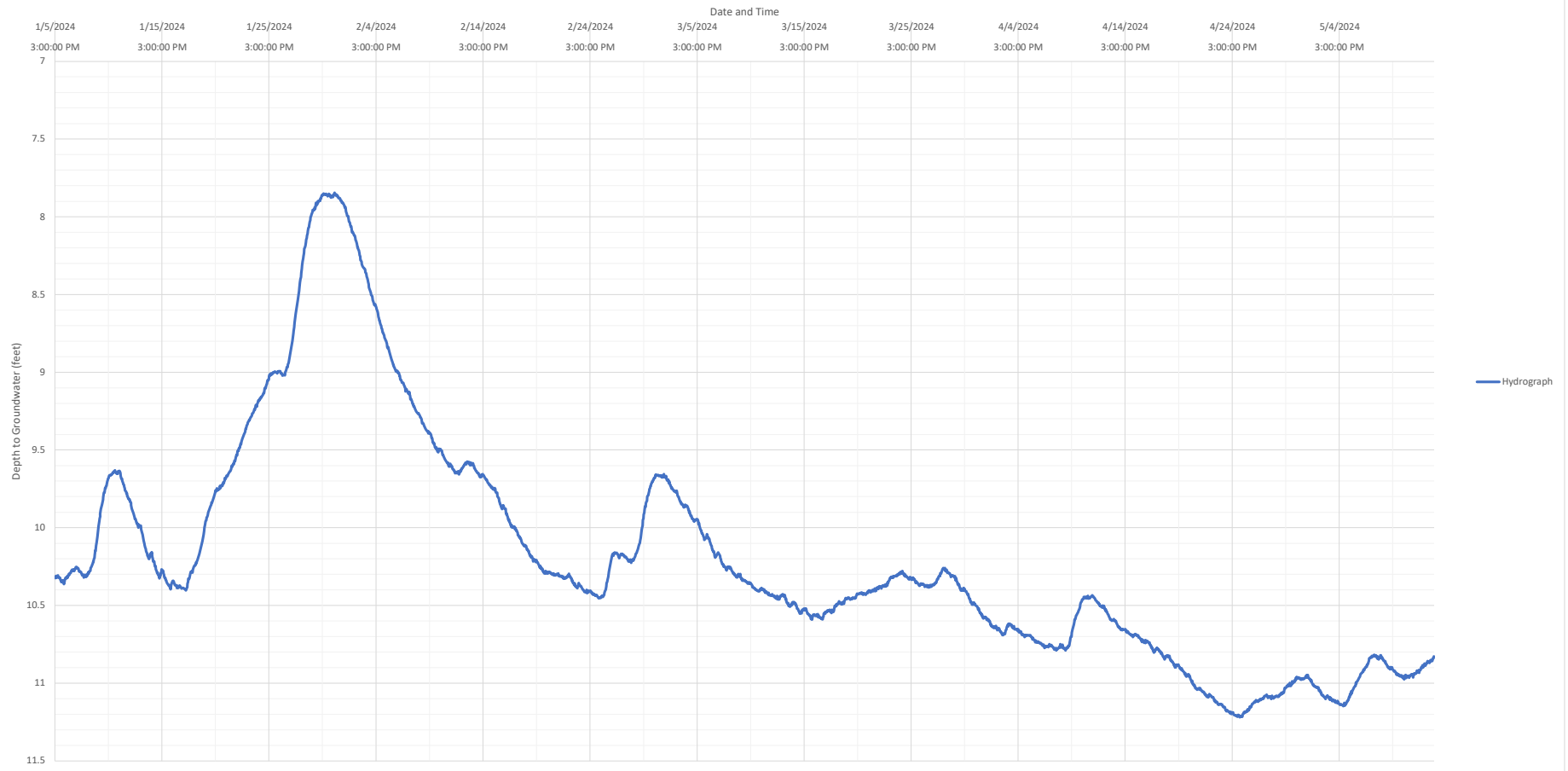
**EXPLORATION LOCATION PLAN  
 FREEMAN LOGISTICS  
 PIERCE COUNTY, WASHINGTON**

Proj.No. T-8565

Date: MAY 2024

Figure 1

T-8565 Freeman Logistics 2023-2024 Winter Groundwater Monitoring  
B-301



### T-8565 Freeman Logistics 2023-2024 Winter Groundwater Monitoring B-302

