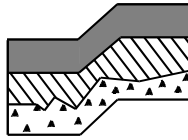


DESIGN MEMORANDUM



TERRA ASSOCIATES, Inc.

Consultants in Geotechnical Engineering, Geology
and
Environmental Earth Sciences

To: Mr. Tyler Litzenberger
Vector Development Company

From: Michael Xenos, E.I.T.

Subject: Groundwater Monitoring

Date: November 9, 2023

Project Number: T-8565

Project Name: Freeman Logistics
Pierce County, Washington

Tyler:

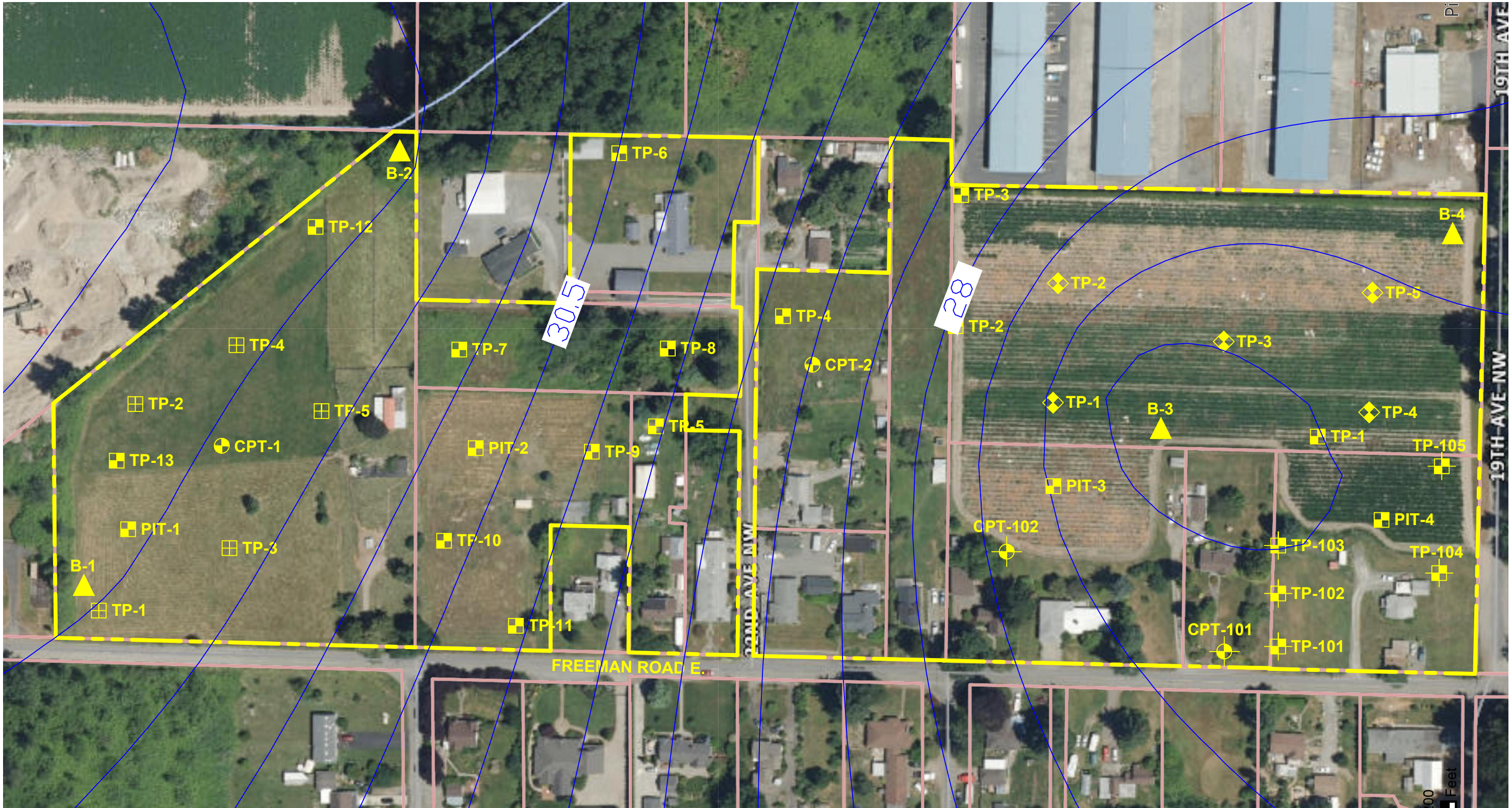
As requested, we have completed the winter groundwater monitoring program at the Freeman Logistics project in Pierce County, Washington.

On February 9, 2023, we began monitoring the groundwater in the 4 monitoring wells installed at the site. The monitoring wells are designated at Test Borings B-1 through B-4 and were installed approximately 20 feet below current site grades. We stopped monitoring on May 1, 2023. The results of our seasonal monitoring are in the table below.

Test Boring Number	Seasonal High Groundwater (Depth below Grade, feet)
1	1.78 feet below grade (el. 32.22 feet)
2	1.78 feet below grade (el. 32.22 feet)
3	8.35 feet below grade (el. 25.65 feet)
4	7.20 feet below grade (el. 26.80 feet)

Based on the results of our study, the site should be designed using an assumed seasonal high groundwater elevation of 32.22 feet at the locations of Test Borings B-1 and B-2, 25.65 feet at the location of Test Boring B-3, and 26.80 feet at the location of Test Boring B-4. The approximate locations of the test borings are attached to this memo.

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.

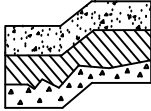
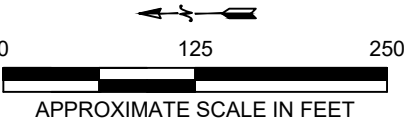


NOTE:
THIS SITE PLAN IS SCHEMATIC. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE. IT IS INTENDED FOR REFERENCE ONLY AND SHOULD NOT BE USED FOR DESIGN OR CONSTRUCTION PURPOSES.

REFERENCE:
PIERCE COUNTY PUBLIC GIS

- LEGEND:**
- APPROXIMATE TEST PIT LOCATION (JUN 2021)
 - APPROXIMATE TEST PIT LOCATION (MAR 2019)
 - APPROXIMATE TEST PIT LOCATION (JUN 2022)
 - APPROXIMATE TEST PIT LOCATION (JAN 2019)
 - APPROXIMATE CPT LOCATION (JUN 2021)
 - APPROXIMATE CPT LOCATION (JUN 2022)

- APPROXIMATE BORING LOCATION (FEB 2023)
- SEASONAL HIGH GROUNDWATER CONTOUR (WINTER SEASON 2022-2023)



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

**SEASONAL HIGH GROUNDWATER
FREEMAN LOGISTICS
PIERCE COUNTY, WASHINGTON**

Proj. No.T-8565

Date NOV 2023

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