

City of Stanwood
Department of Public Works
10220 270th Street NW
Stanwood, WA 98292

May 2, 2024

ATTENTION: All Holders of Specifications, Proposal, and Contract Documents
Bid Due Date: May 8, 2024, 2:00 p.m. (no change)

City of Stanwood
Viking Way Phase 2
Federal Aid No.: STPUS-9308(001)

Addendum No. 1

This addendum is hereby made a part of the contract documents to the same extent as though it were originally included therein.

This addendum contains five pages, including this page.

The Special Provisions for the above referenced Project is amended as follows:

Item No. 1: Special Provisions Appendix D – Geotechnical Engineering Report

- Page 409 is REPLACED in its entirety with the attached Page 409.
- Page 411 is REPLACED in its entirety with the attached Page 411.
- Page 414 is REPLACED in its entirety with the attached Page 414.
- Page 435 is REPLACED in its entirety with the attached Page 435.

Bidders shall furnish the City of Stanwood with evidence of receipt of this addendum in the space provided on the Bid Proposal (BID FORM – Page 19). Failure to do so may subject bidder disqualification.

This Addendum has been prepared by or under the direction of the undersigned, whose seal as a Professional Engineer licensed to practice in the State of Washington, is affixed below.

Russell Craven, P.E.
Project Manager, Pertee Inc.



5/2/2024

Russell Craven
2024.05.02
13:08:52-06'00"

Attachment:

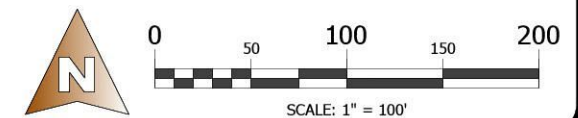
Special Provisions Appendix D – Geotechnical Engineering Report Pages



VIKING WAY PHASE 2
Scale: 1" = 100'-0"

EXPLORATION LEGEND

- HWA-1 BOREHOLE DESIGNATION AND APPROXIMATE LOCATION (HWA, 2021)
- BH-1 BOREHOLE DESIGNATION AND APPROXIMATE LOCATION (HWA, 2015)
- BH-5 BOREHOLE DESIGNATION AND APPROXIMATE LOCATION (HWA, 2016)
- B-1 BOREHOLE DESIGNATION AND APPROXIMATE LOCATION (TERRA ASSOCIATES, 2015)



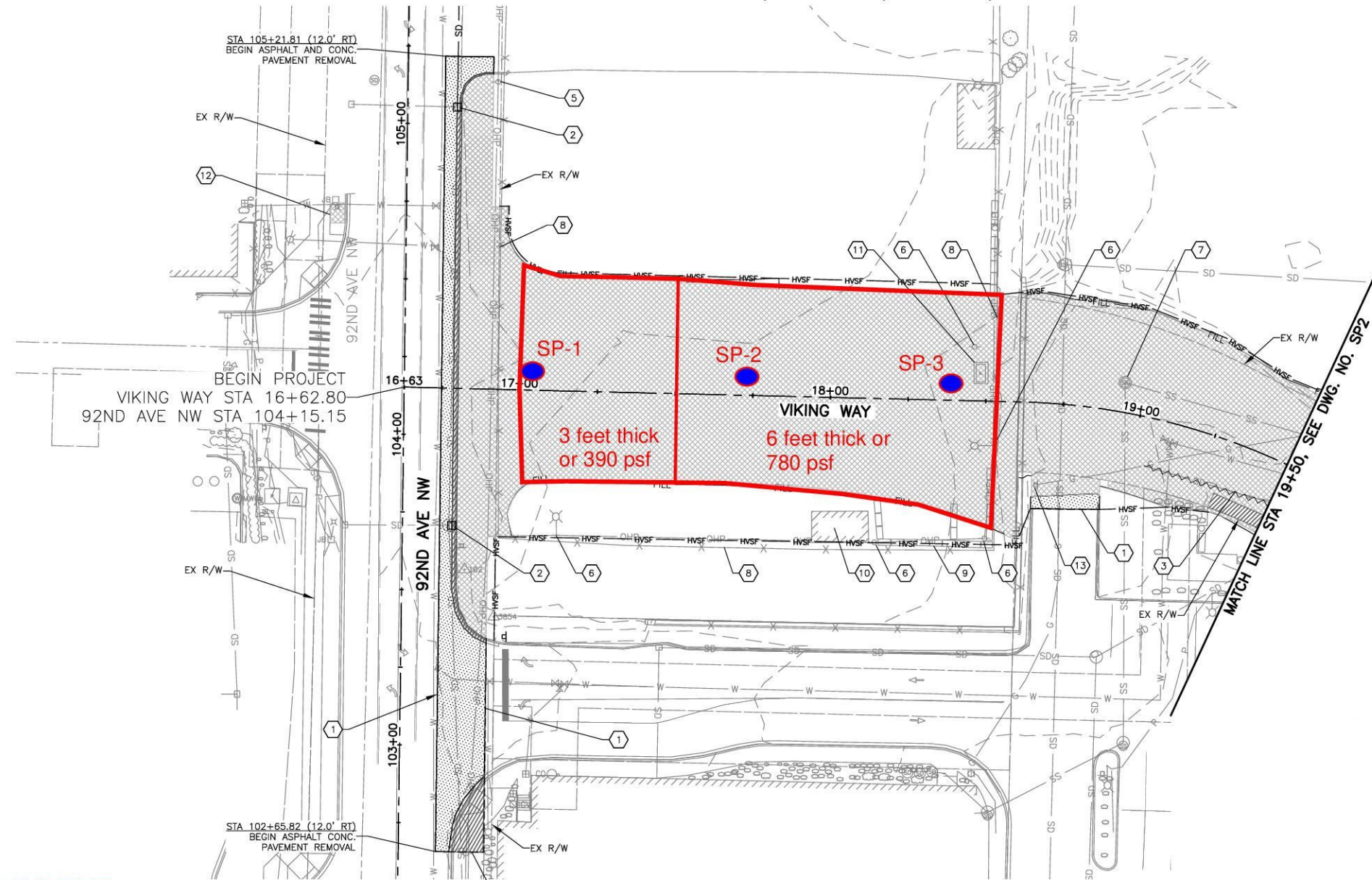
VIKING WAY EXTENSION DESIGN - PHASE 2
STANWOOD, WASHINGTON

SITE & EXPLORATION PLAN

DRAWN BY: CF	FIGURE NO.: 2
CHECK BY: MAB/SM	PROJECT NO.: 2021-090-21

BASE MAP PROVIDED BY: BING AND PERTEET 01.20.2022

C:\USERS\CFRY\DESKTOP\2021-090-21 VIKING WAY PHASE 2\2021-090-21 VIKING WAY PHASE 2.DWG <2> Plotted: 5/3/2022 1:35 PM



CONSTRUCTION NOTES:

- 1 SAW CUTTING EXISTING PAVEMENT.
- 2 INSTALL STORM DRAIN INLET PROTECTION, PER WSDOT STD. PLAN I-40.20-00.
- 3 PLUG AND ABANDON EXISTING PIPE. REMOVE AS NECESSARY TO AVOID CONFLICTS WITH PROPOSED UTILITIES.
- 4 PROTECT AND MAINTAIN EXISTING HYDRANT.
- 5 PROTECT AND MAINTAIN EXISTING UTILITY POLE AND LUMINAIRE.
- 6 REMOVE EXISTING UTILITY POLE (BY PUD).
- 7 PROTECT EXISTING UTILITY STRUCTURE.
- 8 REMOVE EXISTING FENCE (BY PUD).
- 9 REMOVE EXISTING ECOLOGY BLOCKS (BY PUD).
- 10 REMOVE EXISTING SHED (BY PUD).
- 11 REMOVE EXISTING VAULT (BY PUD).
- 12 REMOVE EXISTING LUMINAIRE.
- 13 PROTECT AND MAINTAIN EXISTING UTILITY STUB.

GENERAL NOTES:

1. STORM DRAIN INLET PROTECTION SHALL BE INSTALLED IN ALL NEW CATCH BASINS AT THE TIME OF INSTALLATION AND IN ALL EXISTING CATCH BASINS BEFORE COMMENCING WORK PER THESE PLANS. SEE SECTION 8-01.3(15).
2. FOR SIGN REMOVALS AND RELOCATIONS, SEE CHANNELIZATION & SIGNING PLAN.
3. THE CONTRACTOR SHALL KEEP A MINIMUM 5 FOOT WIDE ACCESSIBLE PEDESTRIAN PATHWAY AT ALL TIMES AND PROTECT AND MAINTAIN PEDESTRIAN ACCESS TO BUILDING DOORWAYS DURING BUSINESS HOURS. SEE DWG. NO. TC1-TC2 AND PT01-PT02.
4. SEE ILLUMINATION PLANS FOR ILLUMINATION MODIFICATIONS AND PROTECTION OF EXISTING FACILITIES.
5. REMOVE IRRIGATION HEADS, VALVES, AND ALL OTHER RELATED IRRIGATION EQUIPMENT AS NECESSARY FOR CONSTRUCTION WORK. ALL SALVAGED EQUIPMENT SHALL BE STORED AND REUSED TO RE-ESTABLISH IRRIGATION SYSTEM DISTURBED DURING CONSTRUCTION. SEE SPECIAL PROVISIONS.

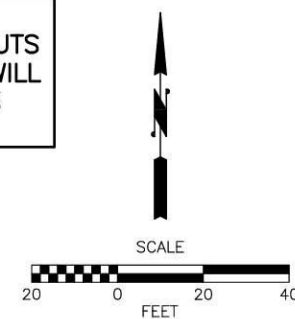
LEGEND:

- INLET PROTECTION
- SAW CUTTING EXISTING PAVEMENT
- REMOVE/ABANDON EXISTING PIPE
- HVSF - HIGH VISIBILITY SILT FENCE, PER WSDOT STD. PLAN I-30.17-00.
- PROPOSED RIGHT-OF-WAY
- CLEARING AND GRUBBING
- REMOVE EXISTING ASPHALT CONC. PAVEMENT
- REMOVE EXISTING CEMENT CONC. CURB AND SIDEWALK

LEGEND

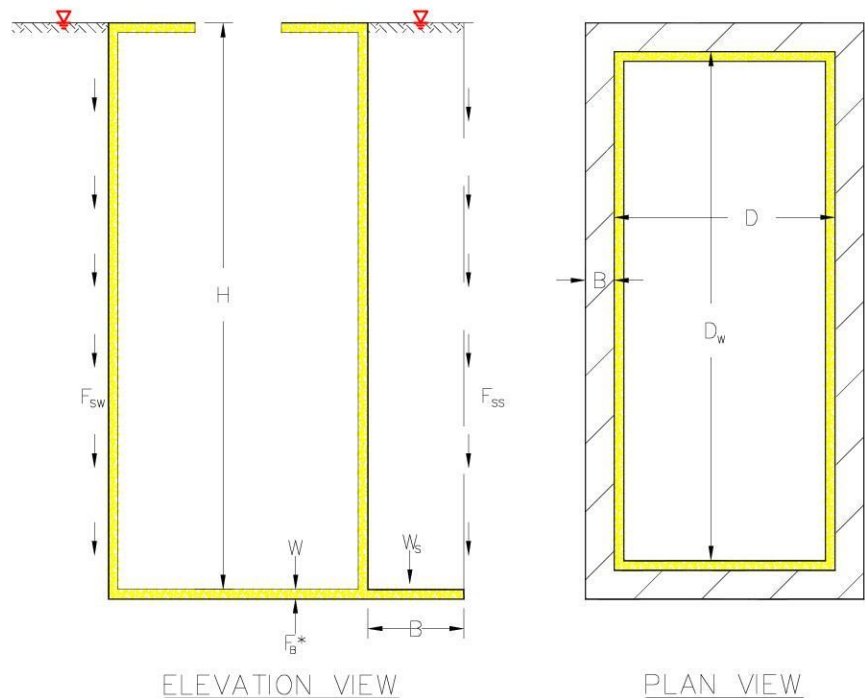
- Approximate Proposed Preload Area
- SP-1 Proposed Settlement Plate Designation and Approximate Location

NOTE TO REVIEWER:
STATION AND OFFSET CALLOUTS AT SAWCUT ANGLE POINTS WILL BE PROVIDED WITH THE 90% SUBMITTAL.



60% SUBMITTAL
CHECK PRINT
NOT FOR CONSTRUCTION

	 2707 COLBY AVENUE, SUITE 900 EVERETT, WA 98201 425.252.7700 800.615.9900	 CITY OF STANWOOD	 Know what's below. Call before you dig.	 DANIEL J. LEE LICENSE NO. 4877 CIVIL ENGINEER	Drawn By: M. CALES Date: 2/9/2022 Designed By: J. LEE Checked By: J. LEE Approved By: D. HANSEN Date: 2/9/2022 Project Number: 2020032.0000	CITY OF STANWOOD VIKING WAY EXTENSION - PHASE 2	Drawing No. SP Sheet No. 7
NOT TO SCALE	 GEOSCIENCES INC. DBE/MWBE	VIKING WAY EXTENSION DESIGN - PHASE 2 STANWOOD, WASHINGTON			PROPOSED PRELOAD AREA	SITE PREPARATION & TESC PLAN SM CHECK BY: SB PROJECT NO.: 2021-090-21	4



ELEVATION VIEW PLAN VIEW
BUOYANT FORCES

* Buoyant force could result in high bending moments in slab

SYMBOL

- B = Width of extended base in feet
- W = Minimum Structure weight in kips
- W_S = Effective soil weight above extruded base in kips
= 0.105(B)(D_w+D+2B)(H)
- F_B = Buoyant force in kips
= Unit weight of water x volume of structure below design groundwater level
- L_B = Perimeter around extended base in feet
- L = Perimeter around base of wall in feet
- F_{SS} = Shearing resistance of soil/soil
= 0.0077(H²)(in kips per foot of wall)
- F_{SW} = Shearing resistance of soil/wall contact
= 0.0045(H²) (In kips per foot of Soil)
- H = Height of structure

ASSUMPTIONS

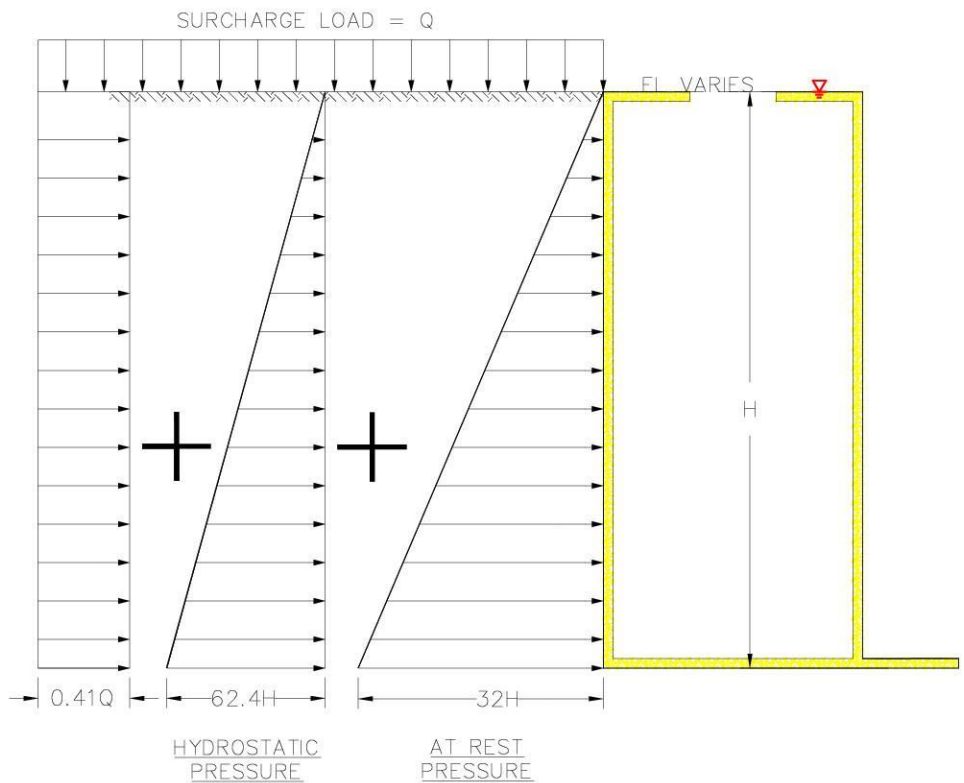
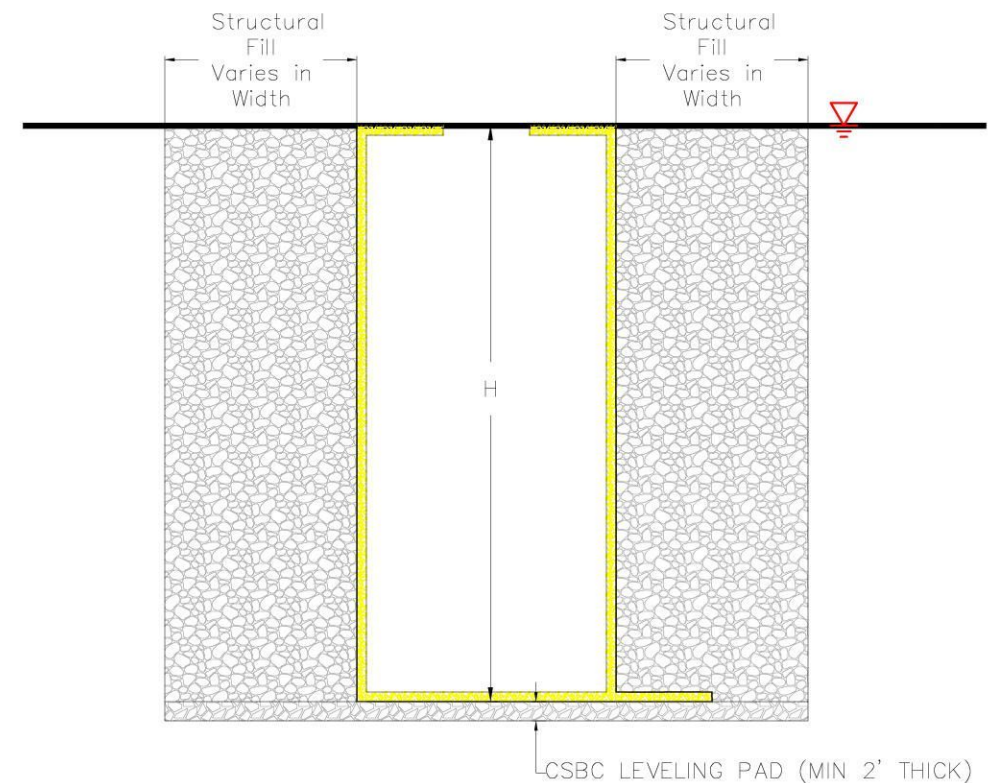
- Soil Unit Weight = 115 pcf
- Buoyant Soil Unit Weight = 52.6 pcf
- Soil Friction Angle = 32°
- Wall/Soil Friction Angle = 20°
- At-rest Pressure Coefficient = 0.47
- Active Pressure Coefficient = 0.31
- Seismic Pressure Coeff. @1/2 PGA = 0.7

NOTES

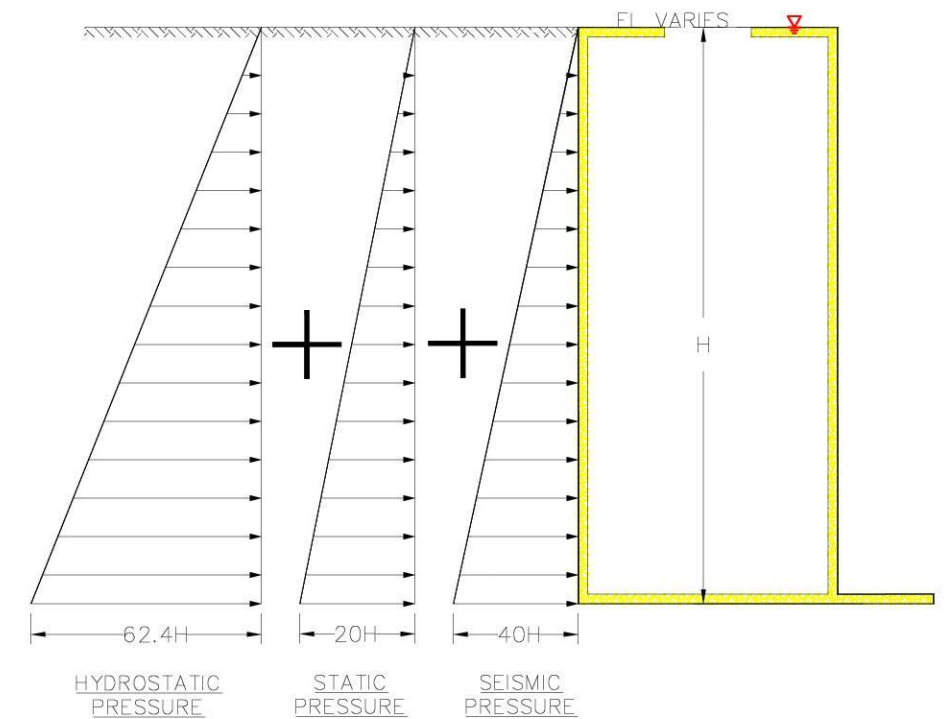
- Factor of Safety = $\frac{W + F_{sw} L}{F_B}$
(without extended base as indicated on left side)
- Factor of Safety = $\frac{W + W_S + F_{SS} L_B}{F_B}$
(With extended base around perimeter of structure, as indicated on the right side of this figure)

- All the earth pressures shown are in the units of pounds per square foot (psf).
- A factor of safety has not been applied to the recommend earth pressure values.
- Surcharge load Q should be equal to factored Dead and Live Load including equipment, traffic, etc.

* **⚠** Buoyancies and later earth pressures calculations should be completed assuming a ground water table at the ground surface to represent the extreme condition.



STATIC EARTH PRESSURES



STATIC+SEISMIC EARTH PRESSURES

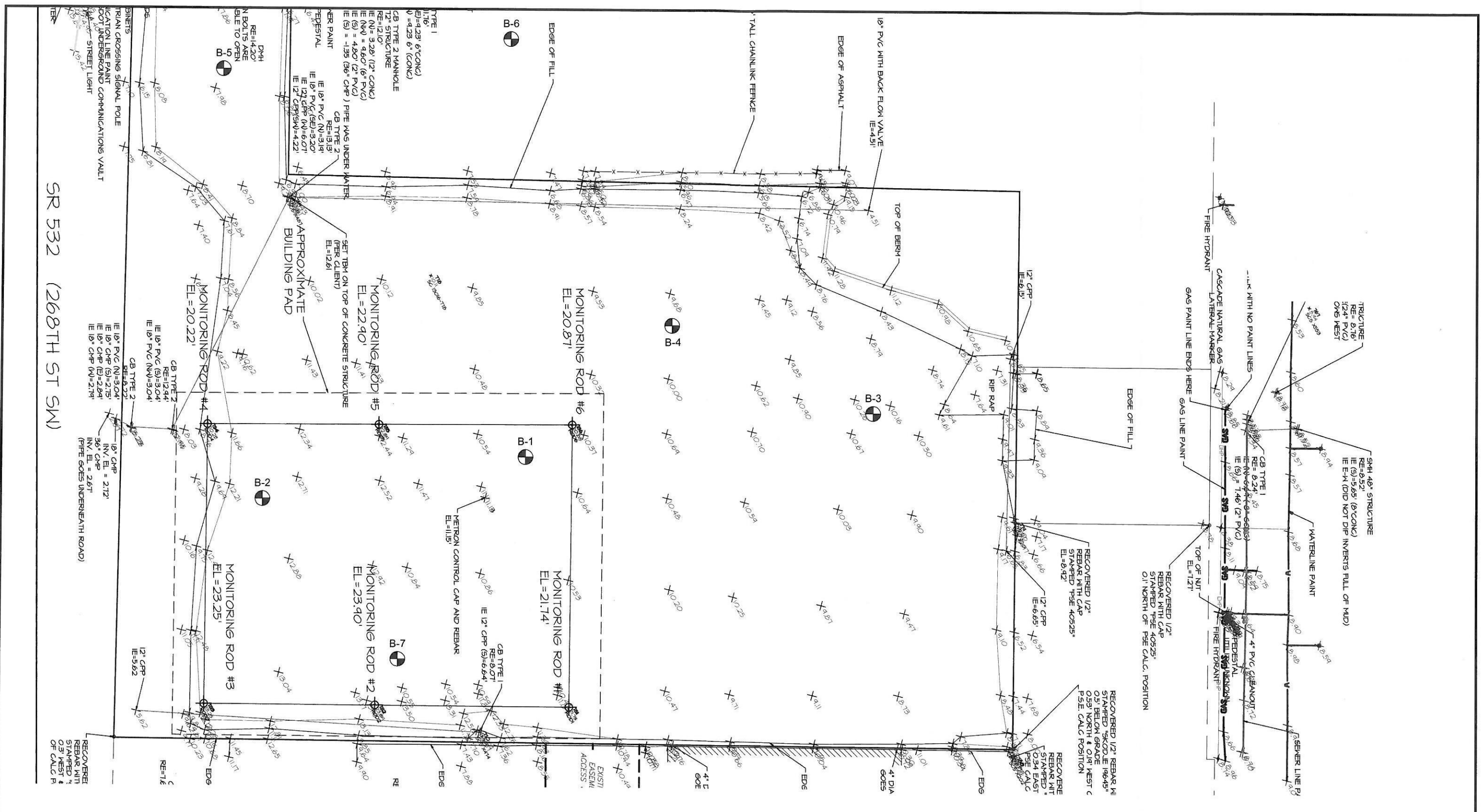
NOT TO SCALE



VIKING WAY EXTENTION DESIGN - PHASE 2
STANWOOD, WASHINGTON

PERMANENT EARTH PRESSURES AND BUOYANT FORCE PARAMETERS FOR BELOW GRADE STRUCTURES

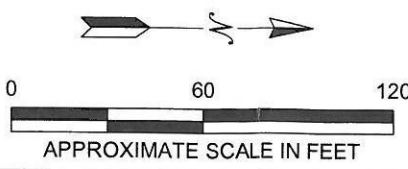
DRAWN BY:	CF	FIGURE NO.:	7
CHECK BY:	SM	PROJECT NO.:	2021-090-21



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 METRON AND ASSOCIATES INC..

LEGEND:
 APPROXIMATE BORING LOCATION



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

EXPLORATION LOCATION PLAN RETAIL / COMMERCIAL SITE STANWOOD, WASHINGTON		
Proj. No.T-7171	Date MAR 2015	Figure 2