



January 4, 2023

Christer Loftenius
Washington State Department of Ecology
PO Box 47600
Olympia, Washington 98604

**Re: Progress Report No. 18, District on the River Redevelopment
December 2022**

Sagamore Spokane, LLC; PPCD No. 21200059-32
Facility/Site ID #1523145 and Cleanup Site ID #3509
Project No. 190210

Dear Christer:

This Progress Report has been prepared by Aspect Consulting, LLC (Aspect) for the District on the River Redevelopment at the Hamilton Street Bridge site (Site) as a requirement of Prospective Purchaser Consent Decree (PPCD) No. 21200059-32 between Sagamore Spokane, LLC (Sagamore) and the Washington State Department of Ecology (Ecology). The PPCD was signed and executed on January 15, 2021. Section XII of the PPCD requires Sagamore to submit to Ecology a written monthly Progress Report that describes the PPCD required actions completed during the reporting period. This Progress Report No. 18 covers the reporting period of December 1 through 30, 2022.

1) Progress During Reporting Period

Portions of construction activity that relate to the environmental condition of the Site include:

- Test grouted helical piles were installed within the Building 2A footprint. Test grouted helical piles Test HP-07, Test HP-09, and Test HP-10 were installed on December 05, 2023, to a minimum tip elevation of 1858 (25 feet bgs)¹ and have not yet been static load tested. See attached foundation plan mark-ups for Test Helical Pile locations. All test helical piles were dynamic load tested on December 7, 8, and 9, 2023.

2) Sampling and/or Testing Reports Received

- No soil or groundwater samples were obtained for testing during this reporting period.

3) Summary of Deviations

- No deviations occurred during this reporting period.

4) Schedule

- The Owner and foundation installer have decided to test grouted helical piles at the Site. This is a change from grouted micropiles, which were tested and found to be difficult to install. Grouted helical piles were the original pile type specified in the Final Engineering Design Report approved by Ecology (Aspect, 2022). Should helical piles be selected for full-scale

¹ Test HP-09 was installed to minimum tip elevation 1866 (17 feet bgs).



implementation, Ecology will be informed of the decision in a future progress report. An updated schedule would be available at that time.

5) Contact with Other Parties

- The Sagamore Spokane LLC team provided comments on Ecology's Final Draft Third Periodic Review to Ecology on December 11, 2022.
- Aspect received an email inquiry on the status of the soil cover and stormwater at the Site on December 12, 2022 and responded to each question in the email on December 19, 2022.

6) List of Deliverables and Key Activities Planned for Next Month

- Aspect will continue environmental and geotechnical oversight; assisting the Contractor with the helical pile testing program.

Please let us know if you have any questions.

Sincerely,

Aspect consulting, LLC



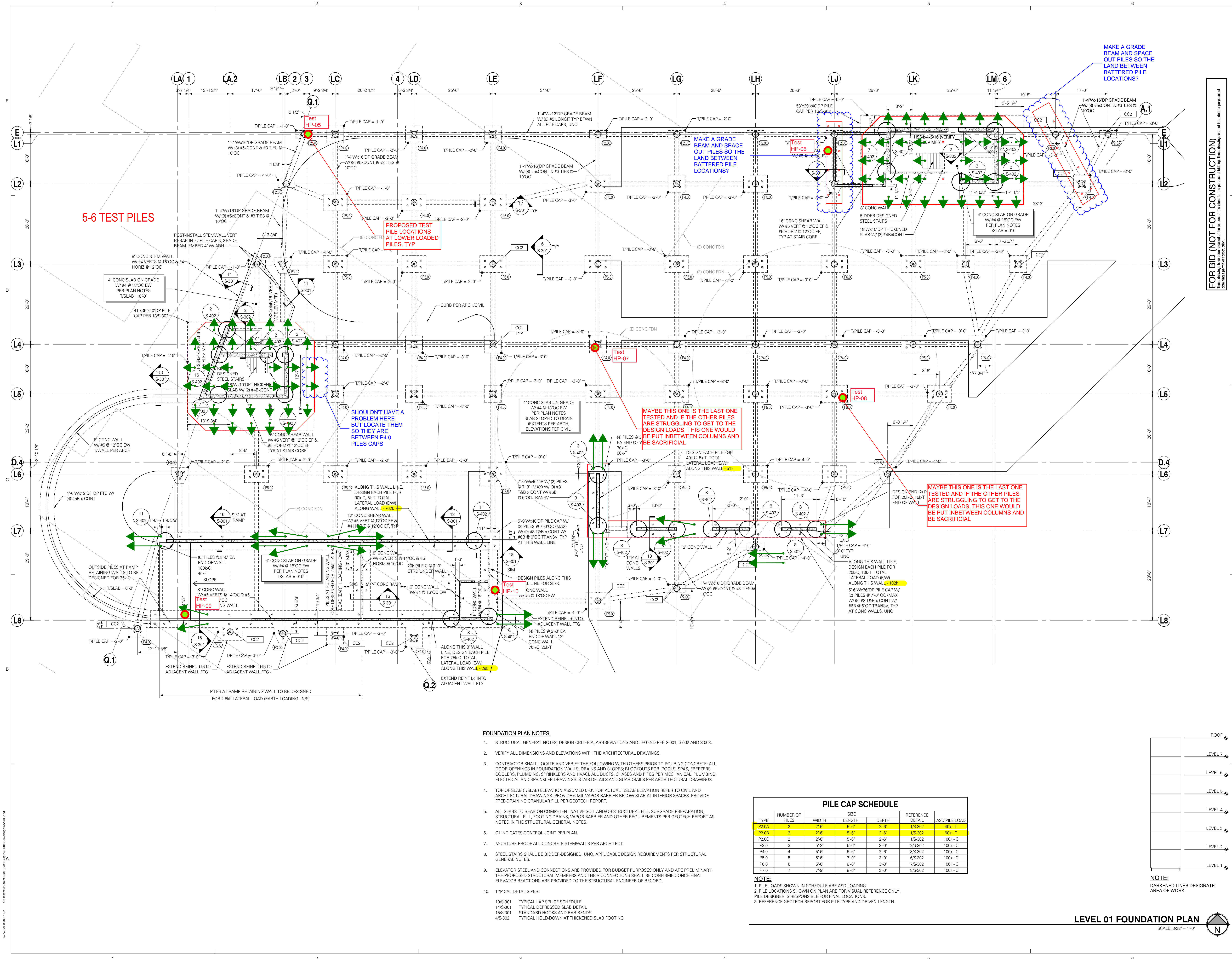
Breeyn Greer, PE
Project Engineer
bgreer@aspectconsulting.com



Dave Cook, LG, CPG
Principal Geologist
dcook@aspectconsulting.com

Attachments: Foundation Plan Markups of Test Helical Piles S-101

cc: Chuck Dubroff, Sagamore Spokane LLC (email only)
Kevin Schafer, Garco Construction (email only)

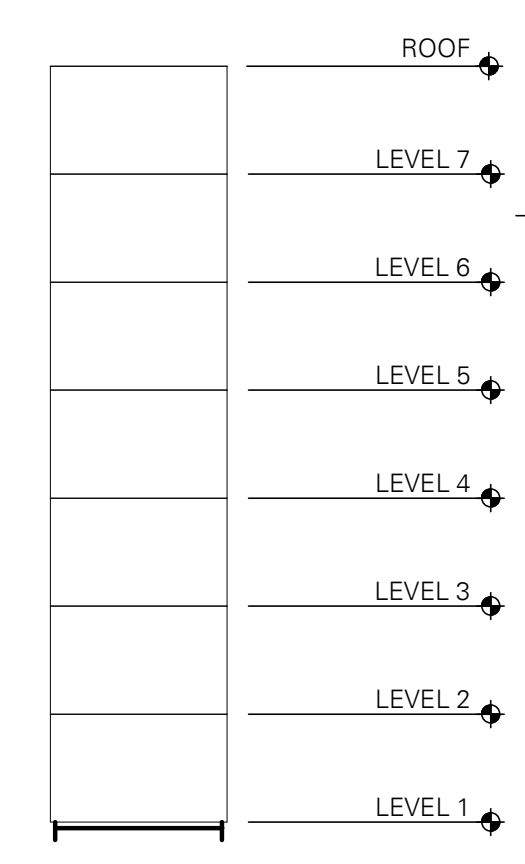


FOUNDATION PLAN NOTES:

- STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S-001, S-002 AND S-003.
- VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS.
- CONTRACTOR SHALL LOCATE AND VERIFY THE FOLLOWING WITH OTHERS PRIOR TO POURING CONCRETE: ALL DOOR OPENINGS IN FOUNDATION WALLS, DRAINS AND SLOPES; BLOCKOUTS FOR POOLS, SPAS, FREEZERS, COOLERS, PLUMBING, SPRINKLERS AND HVAC; ALL DUCTS, CHASES AND PIPES PER MECHANICAL, PLUMBING, ELECTRICAL AND SPRINKLER DRAWINGS; STAIR DETAILS AND GUARDRAILS PER ARCHITECTURAL DRAWINGS.
- TOP OF SLAB (T/SLAB) ELEVATION ASSUMED 0'-0". FOR ACTUAL T/SLAB ELEVATION REFER TO CIVIL AND ARCHITECTURAL DRAWINGS. PROVIDE 6 MIL VAPOR BARRIER BELOW SLAB AT INTERIOR SPACES. PROVIDE FREE-DRAINING GRANULAR FILL PER GEOTECH REPORT.
- ALL SLABS TO BEAR ON COMPETENT NATIVE SOIL AND/OR STRUCTURAL FILL. SUBGRADE PREPARATION, STRUCTURAL FILL, FOOTING DRAINS, VAPOR BARRIER AND OTHER REQUIREMENTS PER GEOTECH REPORT AS NOTED IN THE STRUCTURAL GENERAL NOTES.
- CJ INDICATES CONTROL JOINT PER PLAN.
- MOISTURE PROOF ALL CONCRETE STEMWALLS PER ARCHITECT.
- STEEL STAIRS SHALL BE BIDDER DESIGNED, UNO. APPLICABLE DESIGN REQUIREMENTS PER STRUCTURAL GENERAL NOTES.
- ELEVATOR STEEL AND CONNECTIONS ARE PROVIDED FOR BUDGET PURPOSES ONLY AND ARE PRELIMINARY. THE PROPOSED STRUCTURAL MEMBERS AND THEIR CONNECTIONS SHALL BE CONFIRMED ONCE FINAL ELEVATOR REACTIONS ARE PROVIDED TO THE STRUCTURAL ENGINEER OF RECORD.
- TYPICAL DETAILS PER:
10/S-301 TYPICAL LAP SPlice SCHEDULE
14/S-301 TYPICAL DEPRESSED SLAB DETAIL
15/S-301 STANDARD HOOKS AND BAR BENDS
4/S-302 TYPICAL HOLD-DOWN AT THICKENED SLAB FOOTING

PILE CAP SCHEDULE						
TYPE	NUMBER OF PILES	WIDTH	LENGTH	DEPTH	REFERENCE DETAIL	ASD PILE LOAD
P2.0A	2	2'-6"	5'-6"	2'-6"	1/S-302	40k-C
P2.0B	2	2'-6"	8'-6"	2'-6"	1/S-302	60k-C
P2.0C	2	2'-6"	9'-6"	2'-6"	1/S-302	100k-C
P3.0	3	5'-2"	5'-6"	3'-0"	2/S-302	100k-C
P4.0	4	5'-6"	5'-6"	2'-6"	3/S-302	100k-C
P6.0	5	5'-6"	7'-9"	3'-0"	6/S-302	100k-C
P6.0	6	5'-6"	8'-6"	3'-3"	7/S-302	100k-C
P7.0	7	7'-9"	8'-6"	3'-0"	8/S-302	100k-C

NOTE:
1. PILE LOADS SHOWN IN SCHEDULE ARE ASD LOADING.
2. PILE LOCATIONS SHOWN ON PLAN ARE FOR VISUAL REFERENCE ONLY. PILE DESIGNER IS RESPONSIBLE FOR FINAL LOCATIONS.
3. REFERENCE GEOTECH REPORT FOR PILE TYPE AND DRIVEN LENGTH.



NOTE:
DARKENED LINES DESIGNATE AREA OF WORK.