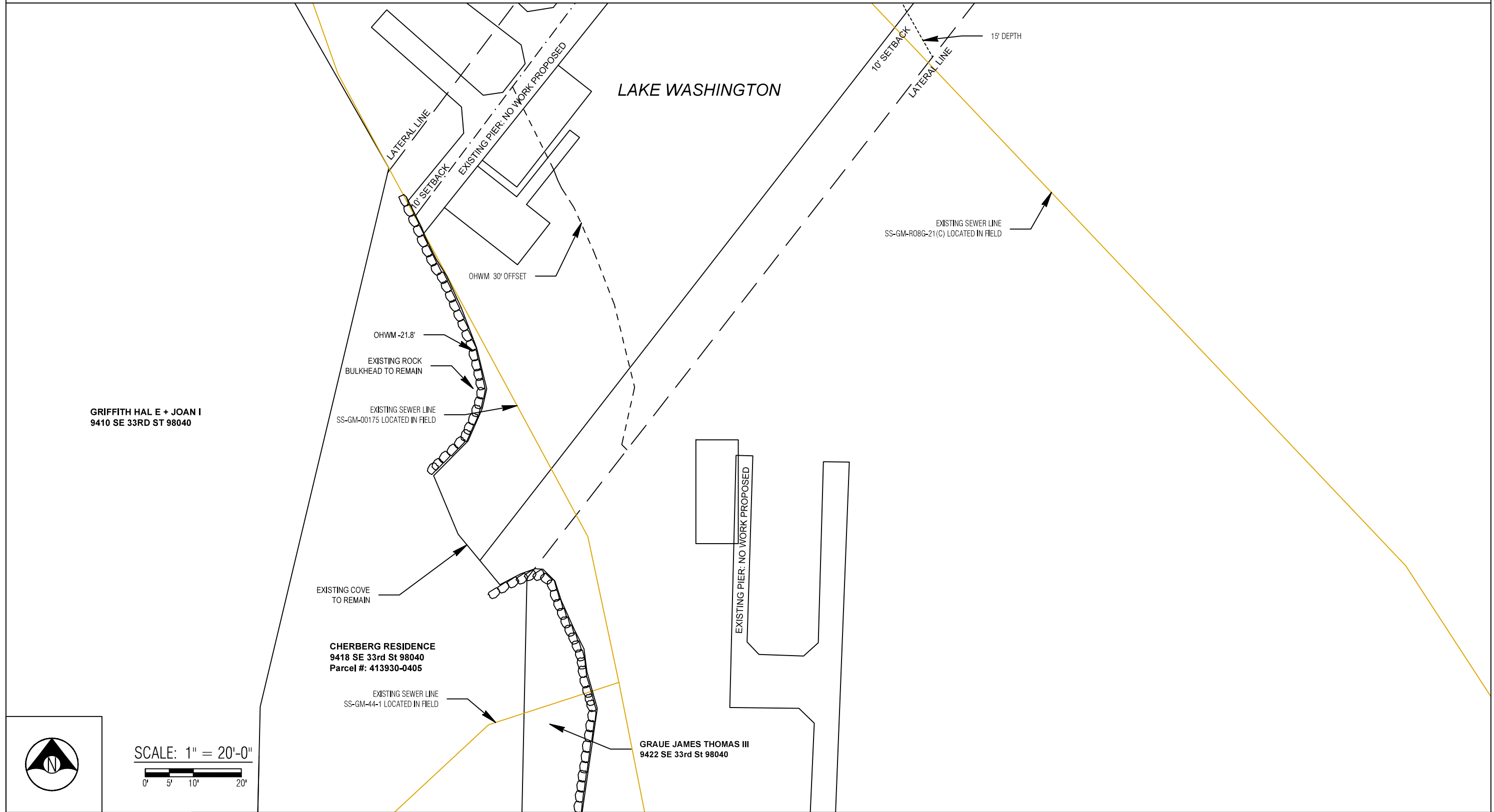


EXISTING CONDITIONS

****CLEAN UP LAKE AROUND PROJECT****



SCALE: 1" = 20'-0"
0' 5' 10' 20'



Seaborn Pile Driving
1080 W Ewing St
Seattle, WA 98119

Office: 206-236-1700 ext. 3
www.seabornpiledriving.com

Scope of Work: We propose to drive (20) 8" steel piles and construct a 552 sqft dock with grated decking material. We also propose to install (2) new boat lifts.



**SHEET
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NWS-2021-XXX
PAGE 2 OF 11

Datum: CORPS OF ENGINEERS 1919
SE Quarter Of Section 07, Township 24, Range 05

Applicant: Cherberg Residence
9418 SE 33rd Street
Mercer Island, WA 98040

County: King County
Location: Lake Washington

Adjacent Owners:
GRIFFITH HAL E + JOAN I
9410 SE 33RD ST 98040

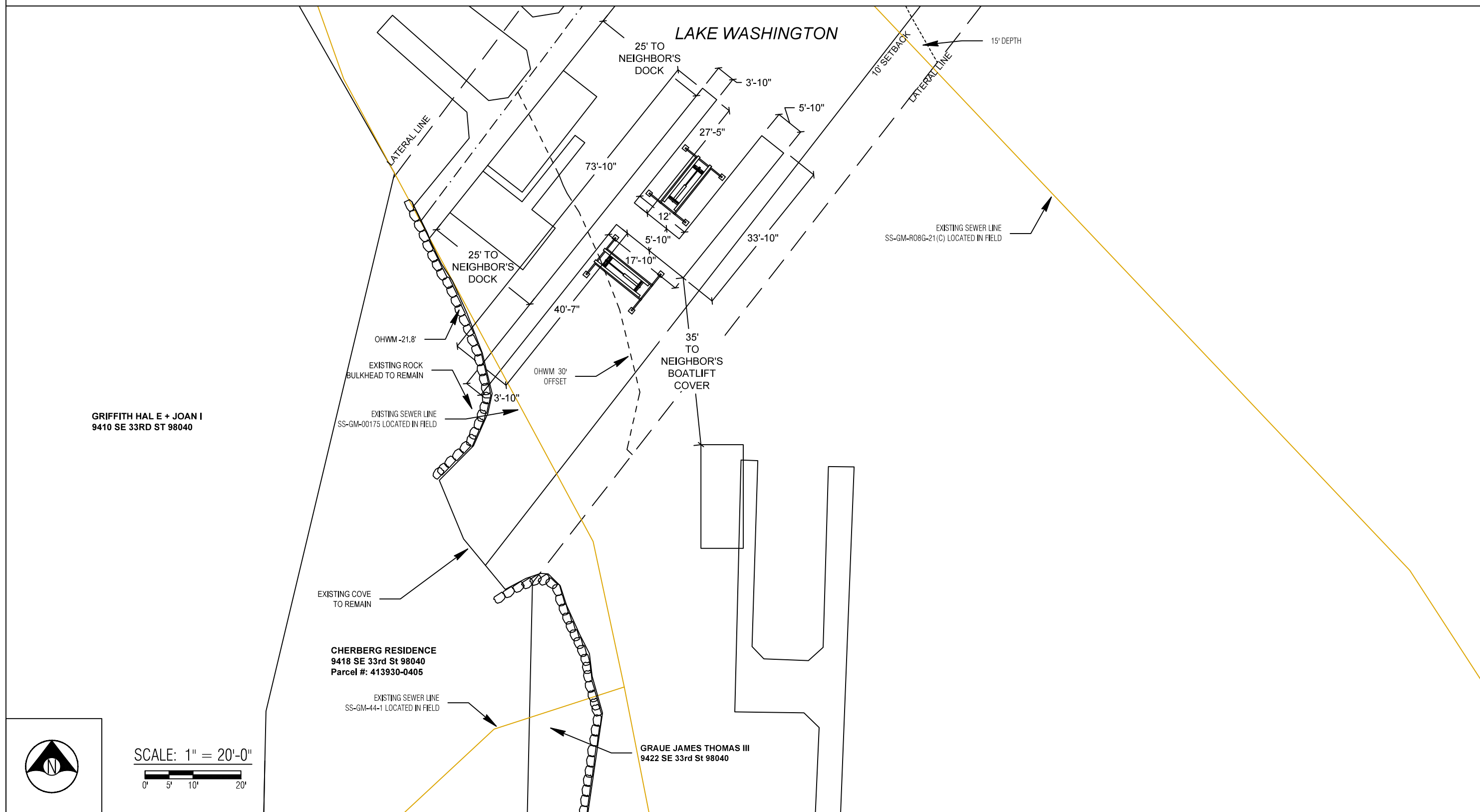
GRAUE JAMES THOMAS III
9422 SE 33RD ST 98040

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Last Updated: 7/19/2022 9:58 AM Kelse

PROPOSED

CLEAN UP LAKE AROUND PROJECT



SCALE: 1" = 20'-0"
0' 5' 10' 20'



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SE Quarter Of Section 07, Township 24, Range 05

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9422 SE 33RD ST 98040
GRIFFITH HAL E + JOAN I
9410 SE 33RD ST 98040

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NWS-2021-XXX
PAGE 3 OF 11

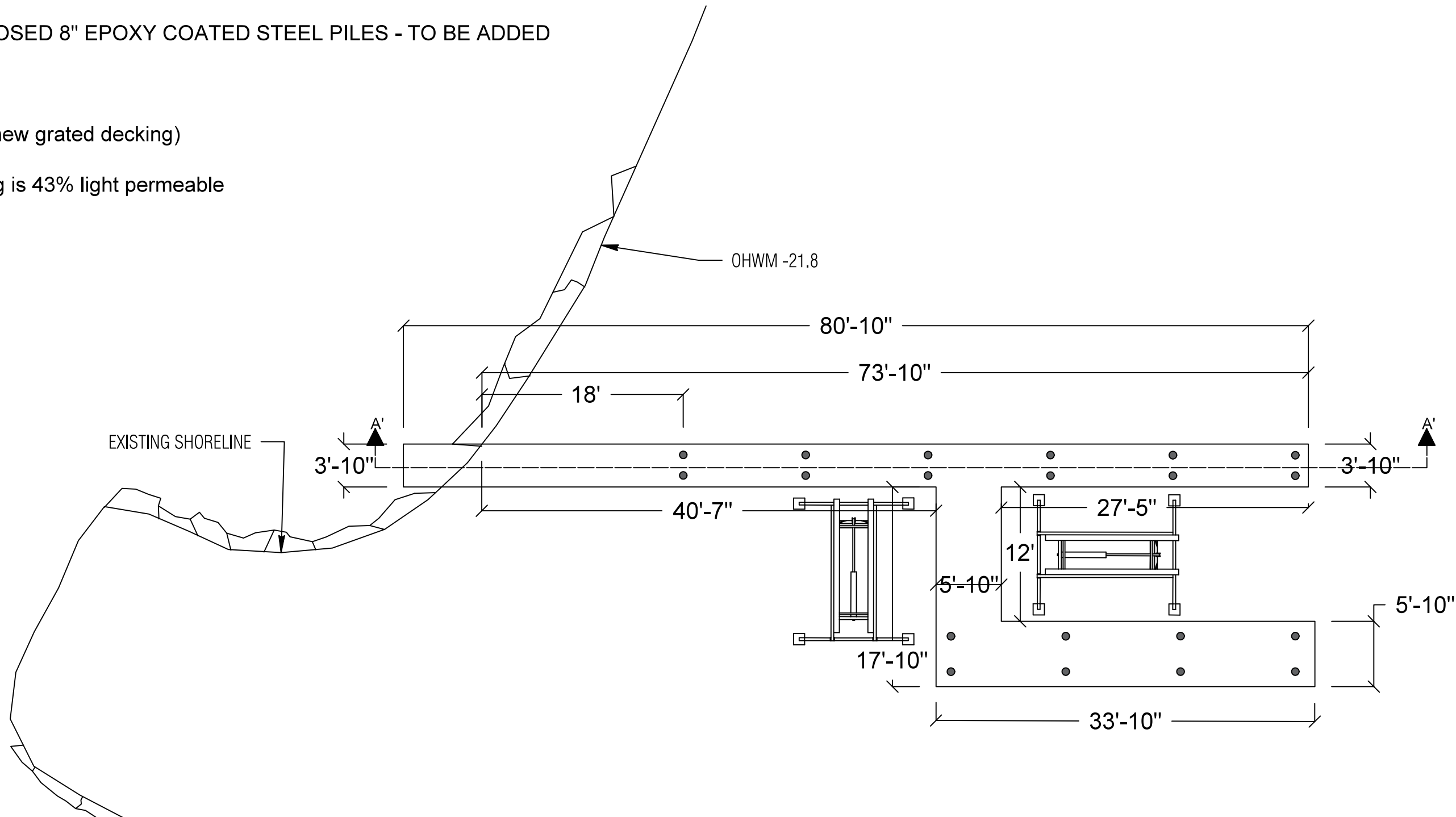
PIER DETAILS - EXISTING/PROPOSED

LEGEND

● (20) PROPOSED 8" EPOXY COATED STEEL PILES - TO BE ADDED

Area: 552 sqft (new grated decking)

**Grated decking is 43% light permeable



PLAN VIEW



Seaborn Pile Driving
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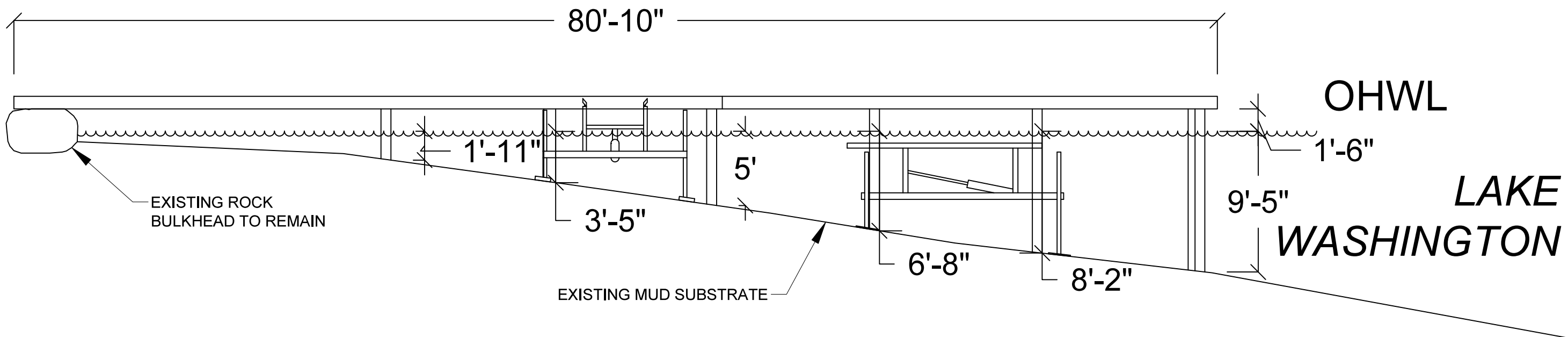
Adjacent Owners:
GRIFFITH HALL E+JOANI I
9410 SE 33RD ST 98040

Created:
GRAUE JAMES THOMAS III
9422 SE 33RD ST 98040

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PIER DETAILS PROPOSED



SECTION VIEW: A'-A'



Seaborn Pile Driving
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 Seattle, WA 98119
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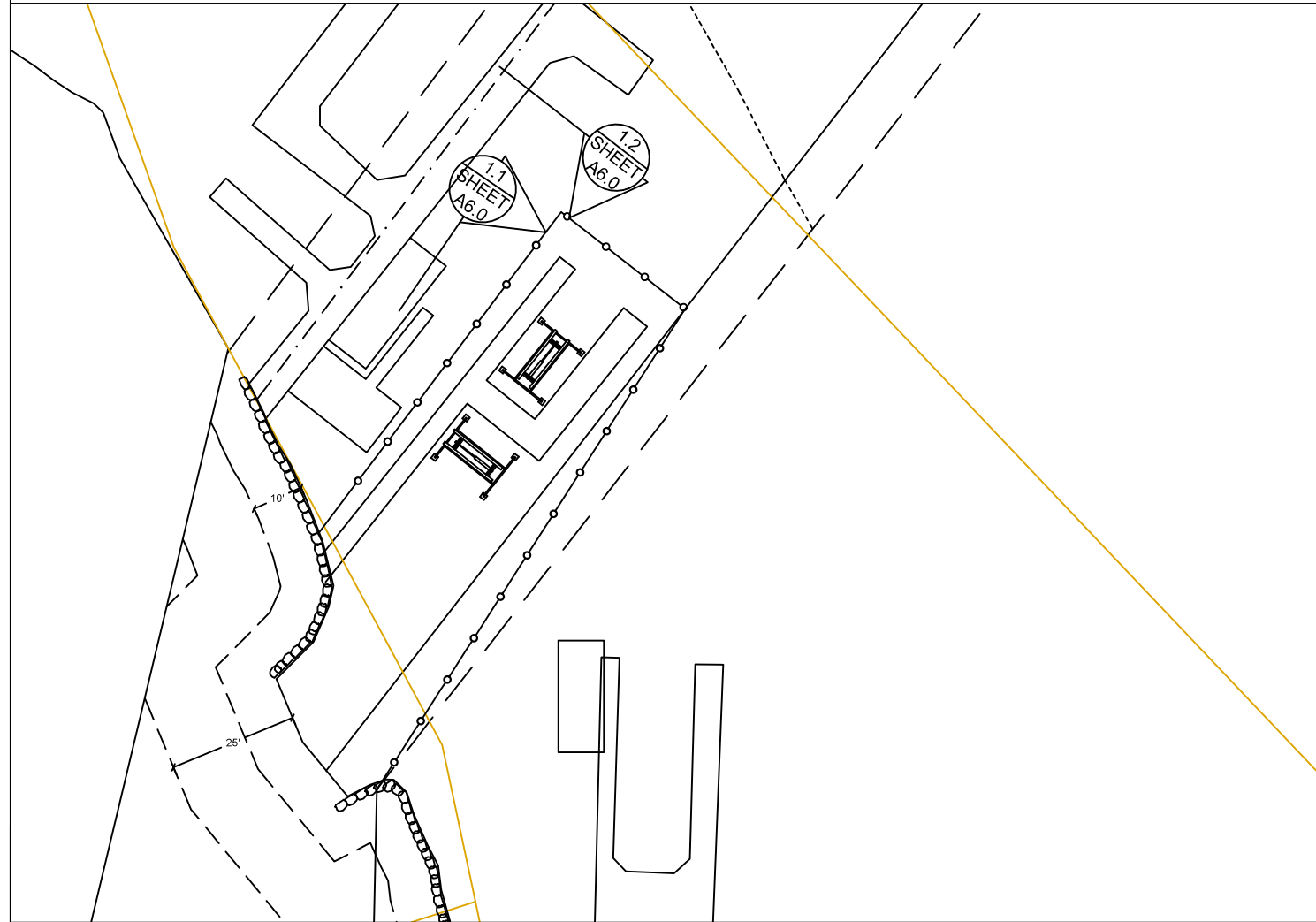
Datum: CORPS OF ENGINEERS 1919
 SE Quarter Of Section 07, Township 24, Range 05

Adjacent Owners:
 GRIFFITH HALL E+JOANI I
 9410 SE 33RD ST 98040
 GRAUE JAMES THOMAS III
 9422 SE 33RD ST 98040

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BMP INFORMATION

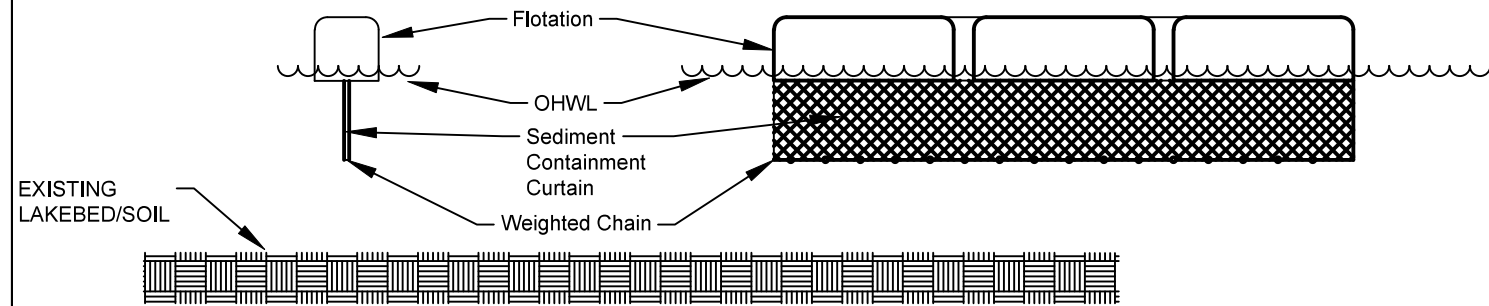


BMP NOTES:

- A. Constant vigilance shall be kept for the presence of protected fish species during all aspects of the proposed action, particularly during in-water activities such as vessel movement, deployment of anchors & spuds, pile driving, dredging, and placement of gravels and other fill.
 1. The project manager shall designate an appropriate number of competent observers to survey the project site and adjacent areas for protected species, including the presence of fish as conditions allow.
 2. Visual surveys shall be made prior to the start of work each day, and prior to resumption of work following any break of more than an hour. Periodic additional visual surveys throughout the work day are strongly recommended.
 3. All in-water work shall be done during the in-water work window for the waterbody. Where there is a difference between the USCOE and WDFW work windows, the overlap of the two shall apply.
 4. All pile driving and extraction shall be postponed or halted when obvious aggregations or schooling of fish are observed within 50 yards of that work, and shall only begin/resume after the animals have voluntarily departed the area.
 5. When piloting vessels, vessel operators shall operate at speeds and power settings to avoid grounding vessels, and minimize substrate scour and mobilization of bottom sediments.
- B. No contamination of the marine environment shall result from project-related activities.
 1. Appropriate materials to contain and clean potential spills shall be stored and readily available at the work site and/or aboard project-related vessels.
 2. The project manager and heavy equipment operators shall perform daily pre-work equipment inspections for cleanliness and leaks. All heavy equipment operations shall be postponed or halted should a leak be detected, and shall not proceed until the leak is repaired and the equipment is cleaned.
 3. To the greatest extent practicable, utilize biodegradable oils for equipment that would be operated in or near water.
 4. Fueling of land-based vehicles and equipment shall take place at least 50 feet away from the water, preferably over an impervious surface. Fueling of vessels shall be done at approved fueling facilities.
 5. Turbidity and siltation from project-related work shall be minimized and contained through the appropriate use of erosion control practices, effective silt containment devices, and the curtailment of work during adverse weather and tidal/flow conditions.
 6. All wastes shall be collected and contained for proper disposal at approved upland disposal sites appropriate for the material(s).
 7. When removing piles and other similarly treated wood, containment booms must fully enclose the work area. Wood debris, oils, and any other materials released into lake waters must be collected, removed, and properly disposed of at approved disposal sites.
 8. All in- and over-water wood cutting would be limited to the minimum required to remove the subject wood component, and all cutting work should be enclosed within floating containment booms.
 9. When removing piles, no actions shall be taken that would cause adhering sediments to return to lake waters.
 10. Above-water containment shall be installed around removed piles to prevent sediment laden waters from returning to lake waters.
 11. Construction staging (including stocking of materials, etc.) will occur on the supply barge.
 12. All Exposed wood to be used on the project will be treated with a cheminite treatment.

DETAIL 1.1

DETAIL 1.2



DETAIL 1.1 & 1.2



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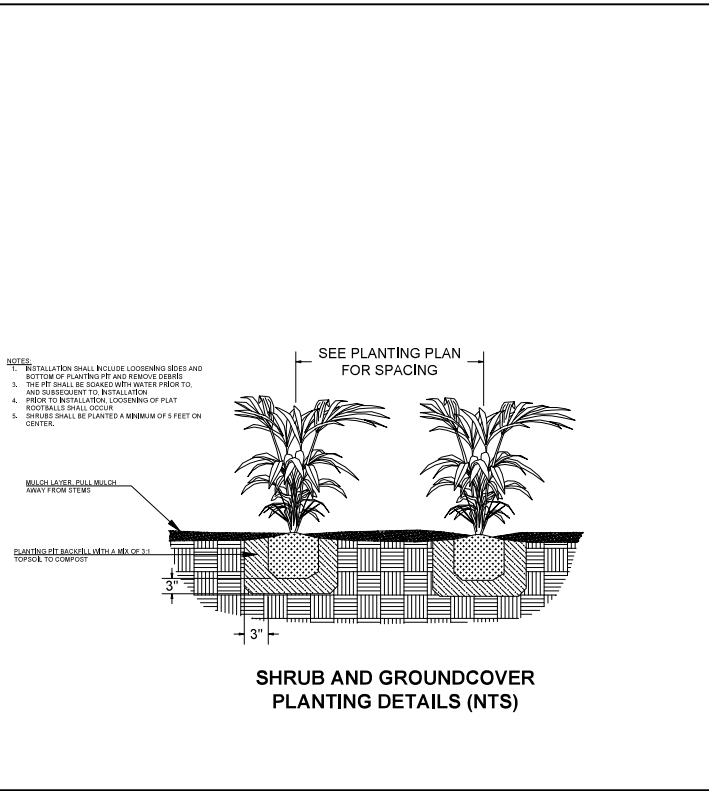
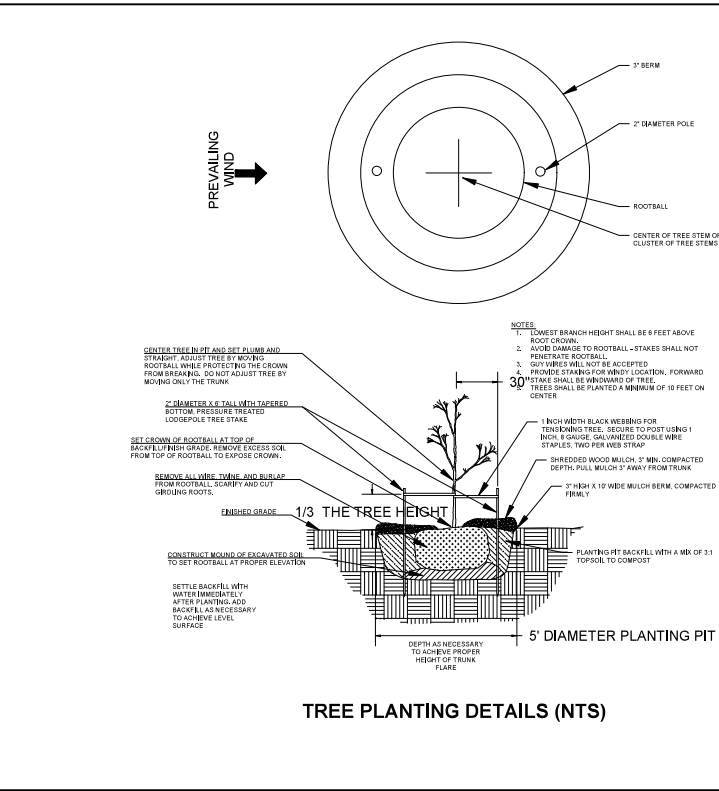
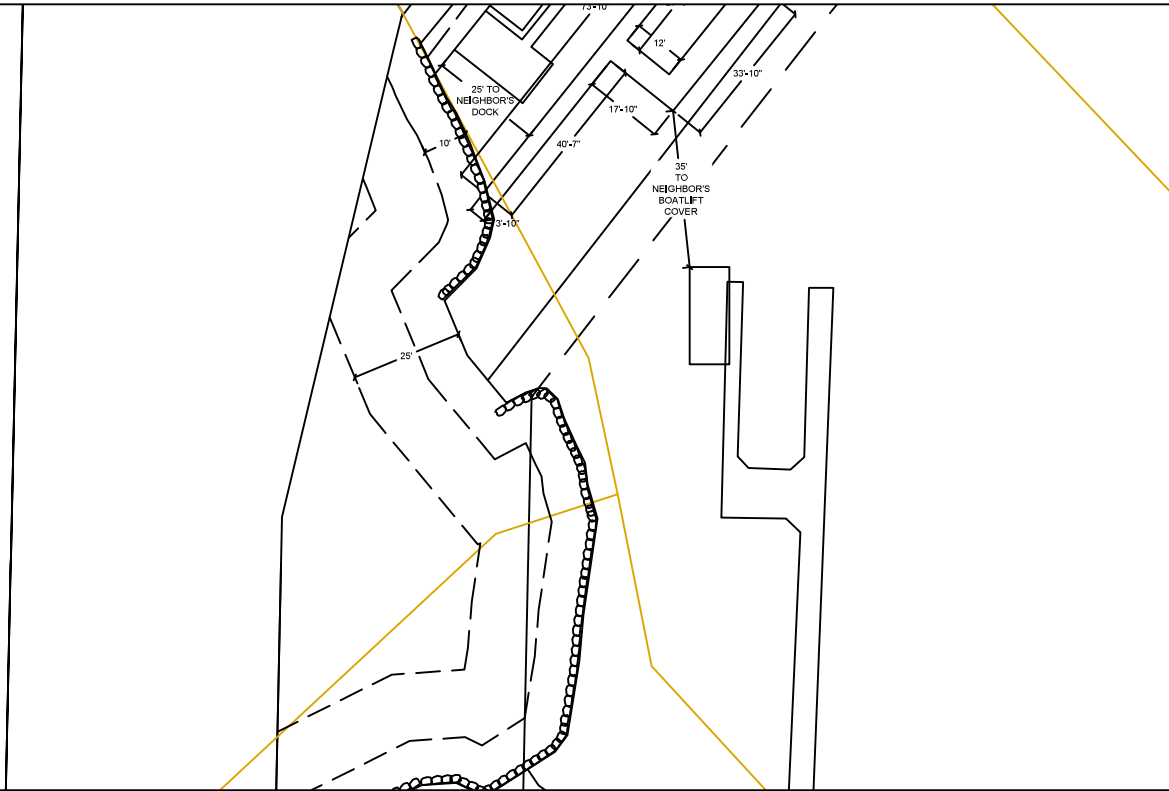
Adjacent Owners:
GRIFFITH HALL E+JOANI
9410 SE 33RD ST 98040

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MITIGATION PLAN



Notes:

1. Shrubs are show, and shall be planted, at least five feet on center. Trees are show, and shall be planted, at least ten feet to center.
2. The property owner will implement and abide by the shoreline planting plan. The plants shall be installed before or concurrent with the work authorized by this permit. A report, as-built drawing and photographs demonstrating the plants have been installed or a report on the status of project construction will be submitted to the U.S. Army Corps of Engineers, Seattle District, Regulatory Branch, within 12 months from the date of permit issuance. This reporting requirement may be met by completing and submitting a U.S. Army Corps of Engineers approved Report for Mitigation Work Completion form.
3. The property owner will maintain and monitor the survival of installed shoreline plantings for five years after the U.S. Army Corps of Engineers accepts the as-built report. Installed plants shall achieve 100% survival during monitoring Years 1 and 2. Installed plants shall achieve at least 80% survival during monitoring Years 3, 4 and 5. Percent survival is based on the total number of plants installed in accordance with the approved riparian planting plan. Individual plants that die will be replaced with native riparian species in order to meet the survival performance standards.
4. The property owner will provide annual monitoring reports for five years (Monitoring Years 1-5). Each annual monitoring report will include written and photographic documentation on plant mortality and replanting efforts and will document whether the performance standards are being met. Photos will be taken from established points and used repeatedly for each monitoring year. In addition to photos at designated points, photo documentation will include a panoramic view of the entire planting area. Submitted photos will be formatted on standard 8 1/2 x 11" paper, dated with the date the photo was taken, and clearly labeled with the direction from which the photo was taken. The photo location points will be identified on an appropriate drawing. Annual shoreline planting monitoring reports will be submitted to the U.S. Army Corps of Engineers, Seattle District, Regulatory Branch, by November 31 of each monitoring year. This reporting requirement may be met by completing and submitting a U.S. Army Corps of Engineers approved Mitigation Planting Monitoring Report form.

SEE LANDSCAPE PLAN BY OWNER

County: King County
 Location: Lake Washington

Applicant: Cherberg Residence
 9418 SE 33rd Street
 Mercer Island, WA 98040

Datum: CORPS OF ENGINEERS 1919
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GRAUE JAMES THOMAS III
 9422 SE 33RD ST 98040

Created: Last Updated: 7/19/2022 1:14 PM Kelse



Seaborn Pile Driving
 1080 W Ewing St
 Seattle, WA 98119

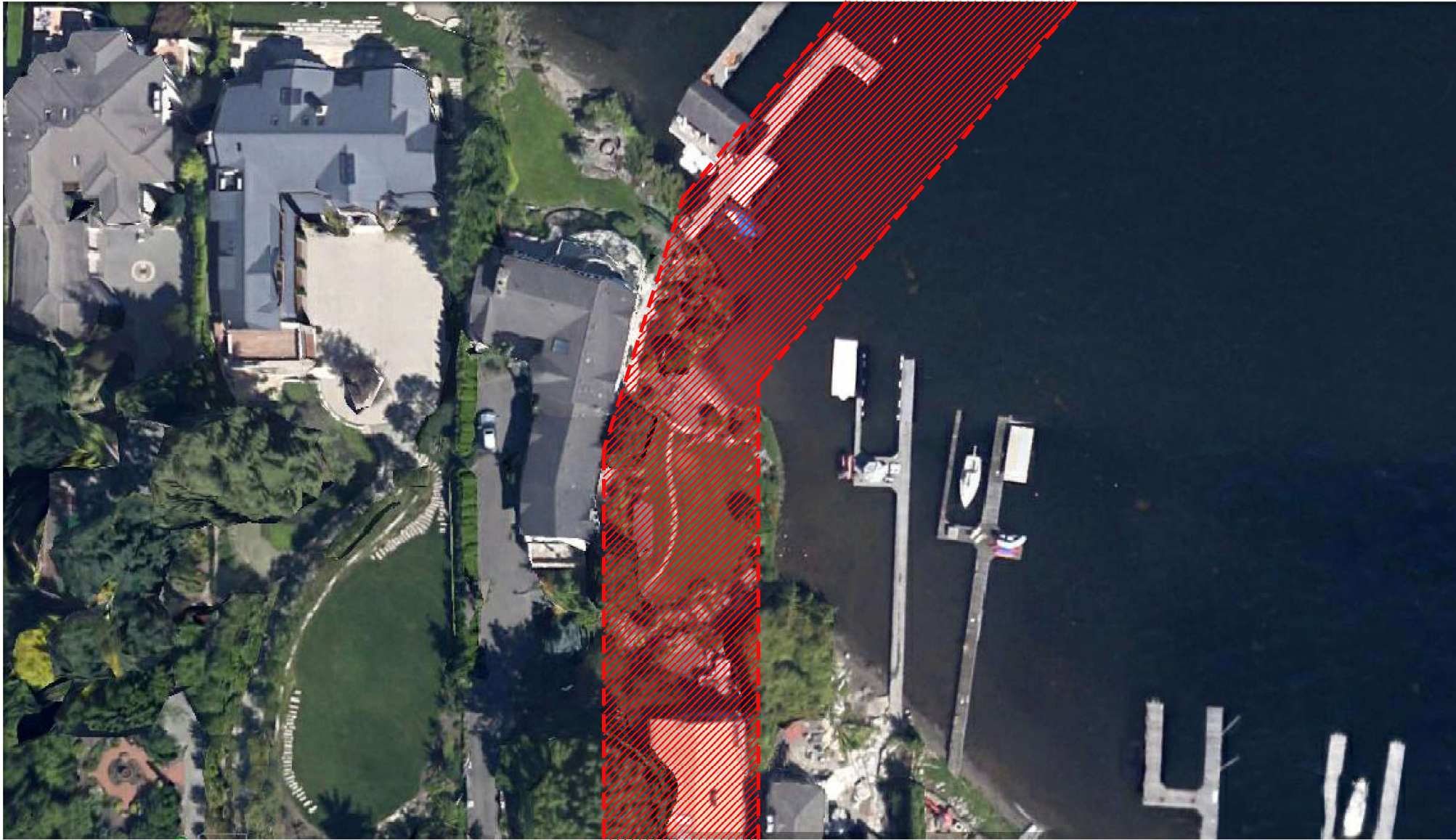
Office: 206-236-1700 ext. 3
 www.seabornpiledriving.com

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SHEET A7.0

NWS-2021-XXX
 PAGE 7 OF 11




PROJECT #: NWS-2013-0565
APRIL 20, 2022

CHERBERG
PIER
9418 SE 33RD STREET
MERCER ISLAND, WA

MITIGATION PLANTING PLAN

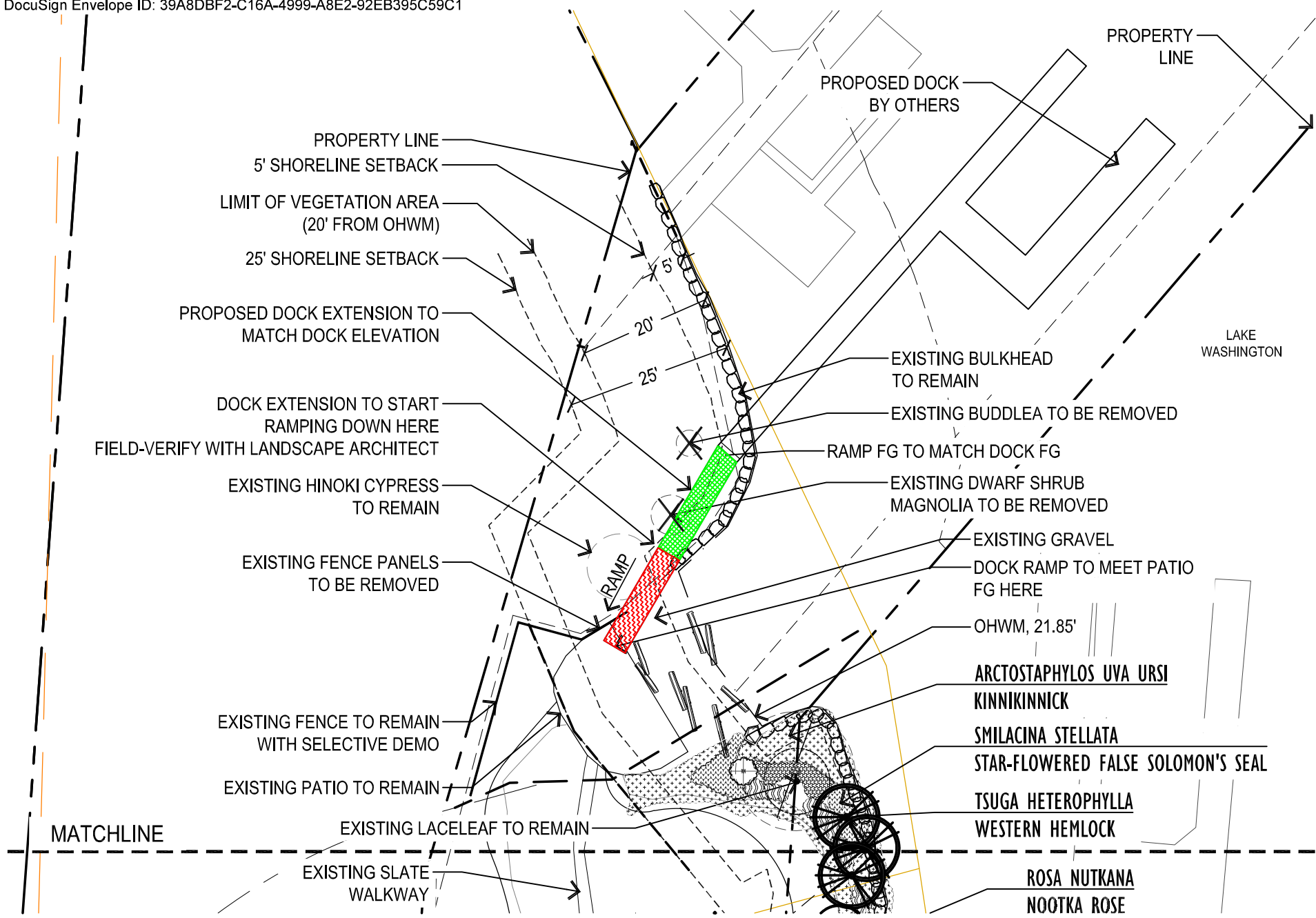
SHEET 8 OF 11


STATE OF
WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT

SCOTT A. HOLSAPPLE
CERTIFICATE No. 1268



SHD LANDSCAPE
ARCHITECTURE
SCOTT HOLSAPPLE
DESIGN
4303 STONE WAY N SEATTLE WA 98103
(206) 745-5822 www.shd-la.com



REQUIRED PLANTING IN SHORELINE SETBACK

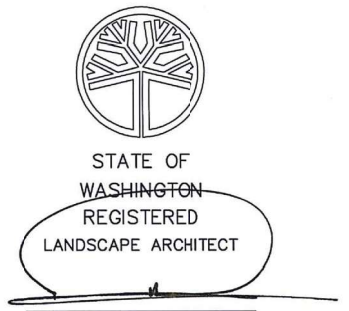
SURFACE AREA OF SHORELINE PLANTING REQUIRED: 671 SF
 SURFACE AREA OF SHORELINE PLANTING PROVIDED: 936 SF

LEGEND

- EXISTING TREES TO REMAIN
- SHORELINE SETBACK
- PROPERTY LINE
- EXISTING BULKHEAD
- EXISTING LAWN
- EXISTING TIMBER EDGING
- OHWM (ORDINARY HIGH WATER MARK)
- LOGS



- ARCTOSTAPHYLOS UVA URSI
- KINNIKINICK
- SMILACINA STELLATA
- STAR-FLOWERED FALSE SOLOMON'S SEAL
- TSUGA HETEROPHYLLA
- WESTERN HEMLOCK
- ROSA NUTKANA
- NOOTKA ROSE



CHERBERG PIER
 9418 SE 33RD STREET
 MERCER ISLAND, WA

MITIGATION PLANTING PLAN
 project #: NWS-2013-0565

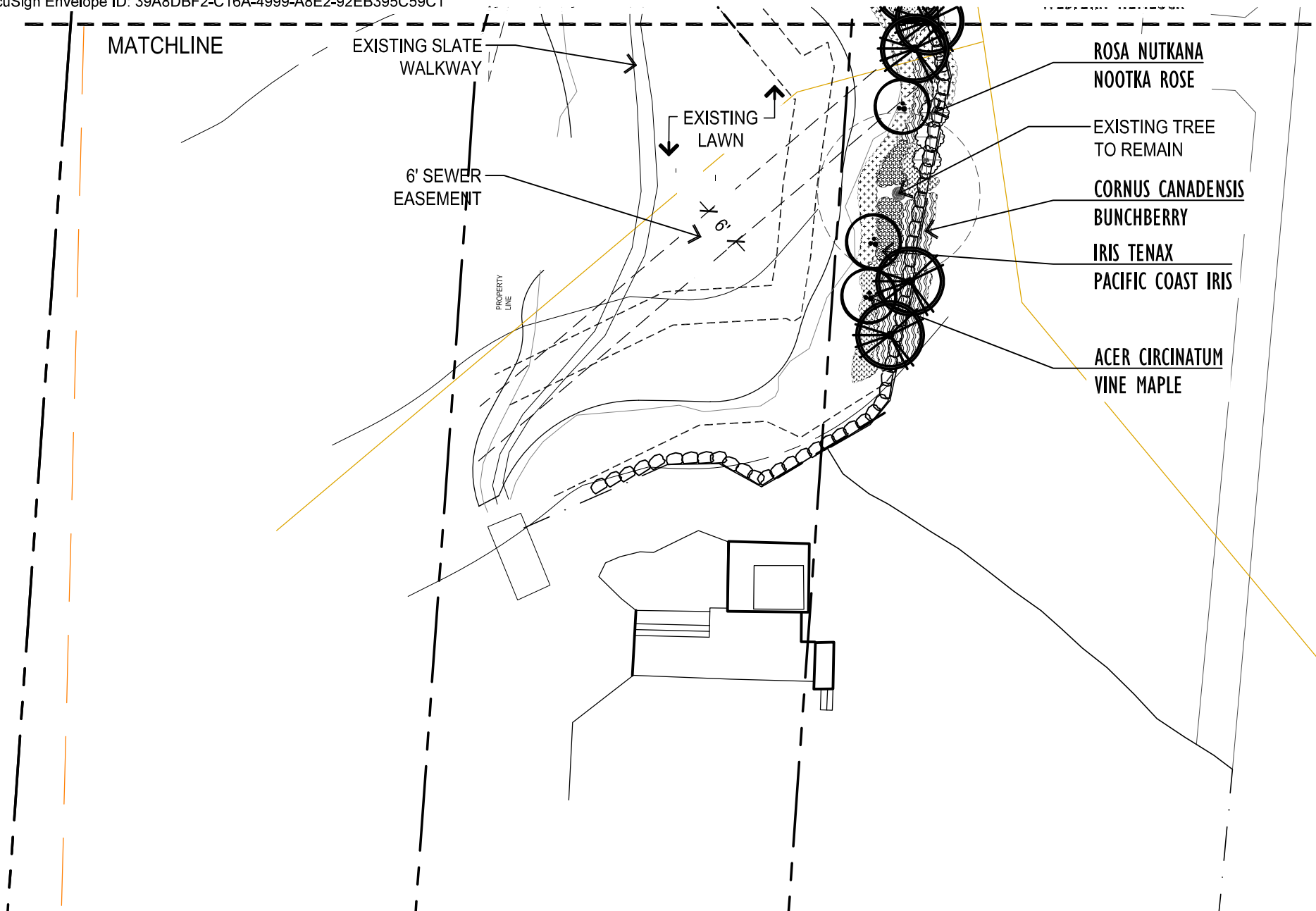
Date
 March 16, 2017
 Feb 25, 2022
 Apr 20, 2022
 June 15, 2022

Issue
 PERMIT REVISION
 PERMIT REVISION
 PERMIT REVISION
 PERMIT REVISION

L1.0
 9 OF 11

SHD LANDSCAPE ARCHITECTURE
 SCOTT HOLSAPPLE DESIGN
 4303 STONE WAY N SEATTLE WA 98103
 (206) 745-5822 www.shd-la.com

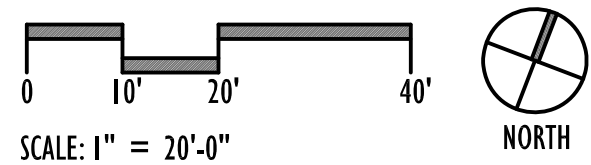




REQUIRED PLANTING IN SHORELINE SETBACK

SURFACE AREA OF SHORELINE PLANTING REQUIRED: 671 SF
 SURFACE AREA OF SHORELINE PLANTING PROVIDED: 936 SF

- LEGEND**
- EXISTING TREES TO REMAIN
 - SHORELINE SETBACK
 - PROPERTY LINE
 - EXISTING BULKHEAD
 - EXISTING LAWN
 - EXISTING TIMBER EDGING
 - OHWM (ORDINARY HIGH WATER MARK)
 - LOGS



STATE OF WASHINGTON
 REGISTERED
 LANDSCAPE ARCHITECT
 SCOTT A. HOLSAPPLE
 CERTIFICATE No. 1268

**CHERBERG
 PIER**
 9418 SE 33RD STREET
 MERCER ISLAND, WA

**MITIGATION
 PLANTING PLAN**
 project #: NWS-2013-0565

Date	Issue
March 16, 2017	PERMIT REVISION
Feb 25, 2022	PERMIT REVISION
Apr 20, 2022	PERMIT REVISION
June 15, 2022	PERMIT REVISION

L1.1
 10 OF 11

**SHD LANDSCAPE
 ARCHITECTURE**
 SCOTT HOLSAPPLE
 D E S I G N
 4303 STONE WAY N SEATTLE WA 98103
 (206) 745-5822 www.shd-la.com



CHERBERG PLANT SCHEDULE

QTY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
TREES				
5	TSUGA HETEROPHYLLA	WESTERN HEMLOCK	6' HT.	FULL AND WELL ROOTED
SHRUBS				
3	ACER CIRCINATUM	VINE MAPLE	1" CAL.	WELL BALANCED BRANCHING MULTI-STEM
4	ROSA NUTKANA	NOOTKA ROSE	2 GAL., 5' HT.	4' O.C., FULL AND WELL ROOTED
GROUNDCOVERS				
381	ARCTOSTAPHYLOS UVA-URSA 'MASSACHUSETTS'	KINNIKINNICK	4" POTS	12" O.C., FULL AND WELL ROOTED
208	CORNUS CANADENSIS	BUNCHBERRY	4" POTS	12" O.C., FULL AND WELL ROOTED
PERENNIALS AND BULBS				
20	DODECATHEON PULCHELLUM	PINK PRETTY SHOOTING STAR	BULB	PLACED PER LANDSCAPE ARCHITECT
20	ERYTHRONIUM OREGONUM	WHITE FAWN LILY	BULB	PLACED PER LANDSCAPE ARCHITECT
20	ERYTHRONIUM AMERICANUM	YELLOW TROUT LILY	BULB	PLACED PER LANDSCAPE ARCHITECT
57	IRIS TENAX	PACIFIC COAST IRIS	1 GAL.	15" O.C.
58	SMILACINA STELLATA	STAR-FLOWERED FALSE SOLOMON'S SEAL	1 GAL.	18" O.C., FULL AND WELL ROOTED

**CHERBERG
PIER**
9418 SE 33RD STREET
MERCER ISLAND, WA

**MITIGATION
PLANTING SCHEDULE**
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March 16, 2017	PERMIT REVISION
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11 OF 11

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