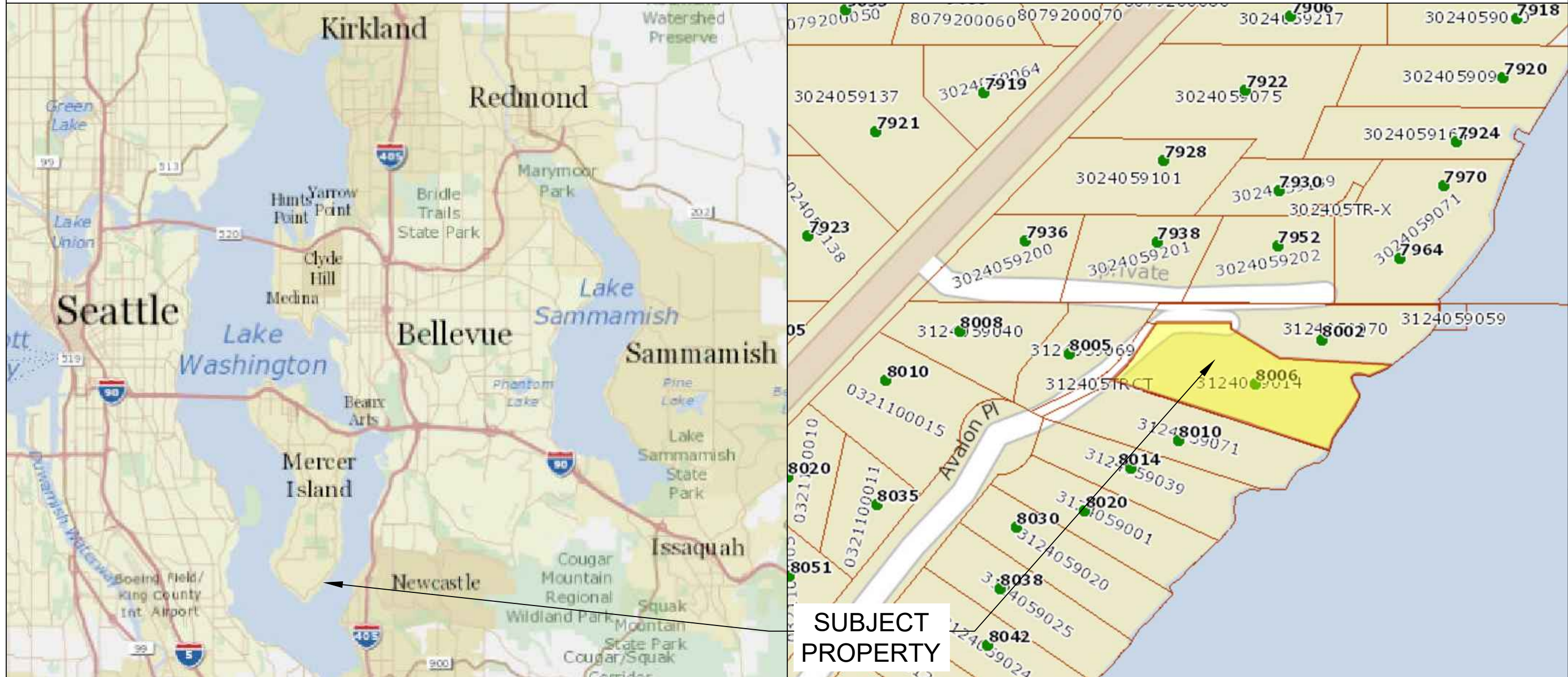


# SITE PLAN



Pin: 312405-9014

Legal Description: POR GL 1 LY ELY OF MERCER IS BLVD DAF - BEG NW COR SEC TH S 89-50-16 E ALG N SEC LN 1916.51 FT M/L TO ELY MGN OF E MERCER WAY TH CONT ALG SD SEC LN S 89-50-16 E 264.82 FT TH S 34-35-44 W 26.14 FT TH S 89-50-16 E 12.13 FT TH S 34-35-44 W 45.01 FT TAP CRV RGT RAD 105.52 FT TH SWLY ALG SD CRV 31.96 FT TO TPOB TH NELY ALG SD CRV 31.96 FT TH N 34-35-44 E 45.01 FT TH S 89-50-16 E 78 FT TH S 0-09-44 W 6.44 FT TH S 59-12-00 DIST 60 FT TH S 86-55-48 E 101 FT M/L TO SH LN LK WASHINGTON TH SWLY ALG SD SH LN TAP WCH BEARS S 72-04-54 E FR TPOB TH N 72-04-54 W 228 FT M/L TO TPOB TGW UND 1/4 INT IN PVT RD TR PER SD BLA & SH LN ADJ; AKA LOT 3 MI BLA 88-06-23 (J-4) REC #8808299046

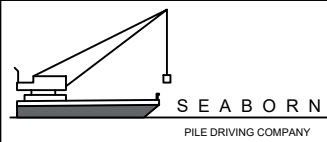
Plat Block: NA  
LAT: 47.53091

Plat Lot: NA  
LONG: -122.21793



Prepared By:  
Seaborn Pile Driving  
1080 W Ewing St  
Seattle, WA 98119

Office: 206-236-1700  
permits@seabornpiledriving.com  
www.seabornpiledriving.com



Purpose: **The proposed dock is to provide for safe boat moorage and safe water recreational activities for a single family residence.**

Scope of Work: We propose to drive (4) new 8" steel piles, construct a 24'10" long and 5'10" wide extension off the existing dock ell. We will also cut down an existing mooring pile for the new extension.

Contractor: Seaborn Pile Driving Company  
1080 W Ewing St  
Seattle, WA 98119

Applicant: Barlow Residence  
8006 Avalon Place  
Mercer Island, WA 98040

County: King County  
Location: Lake Washington

Created: 12/1/2020  
Last Updated: 12/1/2020 1:10 PM Keise

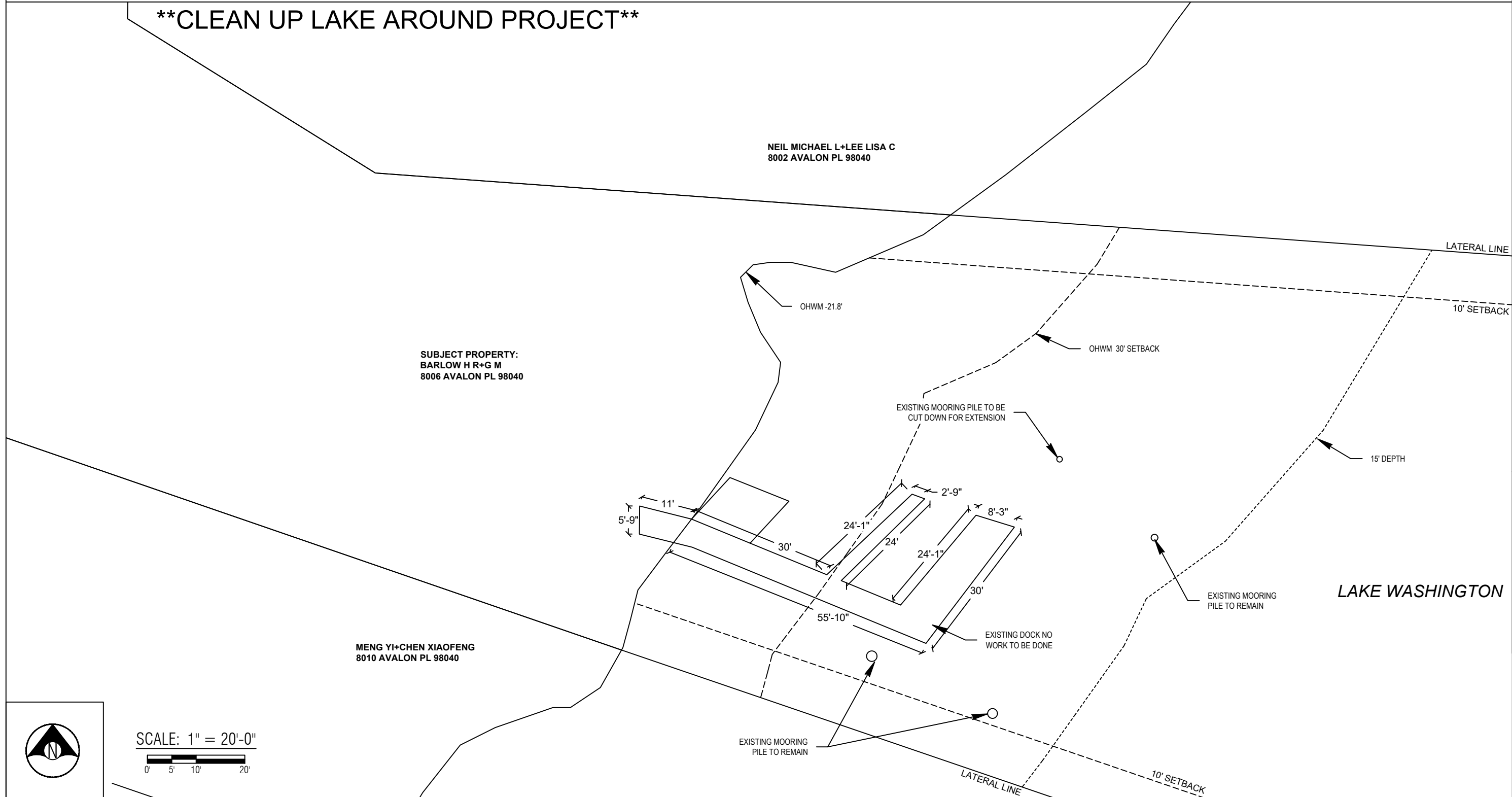
Datum: CORPS OF ENGINEERS 1919  
NW Quarter Of Section 31, Township 24, Range 05

Adjacent Owners:  
NEIL MICHAEL LEE LISA C  
8002 AVALON PL 98040

MENG YI-CHEN XIAOFENG  
8010 AVALON PL 98040

# EXISTING CONDITIONS

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



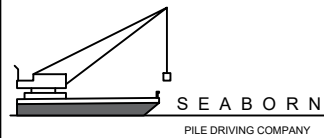
SUBJECT PROPERTY:  
BARLOW H R+G M  
8006 AVALON PL 98040

NEIL MICHAEL L+LEE LISA C  
8002 AVALON PL 98040

MENG YI+CHEN XIAOFENG  
8010 AVALON PL 98040



SCALE: 1" = 20'-0"



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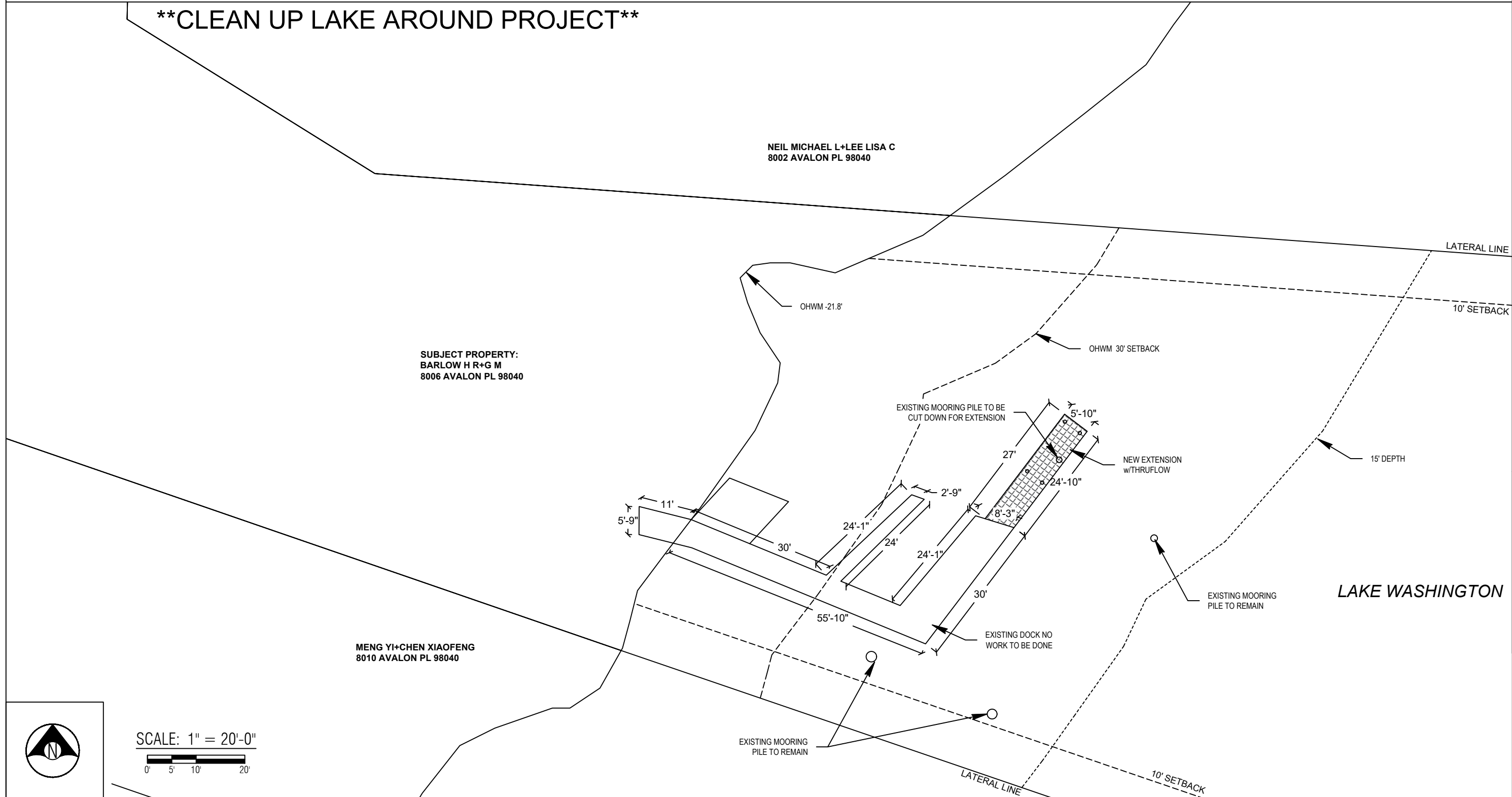
Adjacent Owners:  
NEIL MICHAEL L+LEE LISA C  
8002 AVALON PL 98040

**SHEET  
A2.0**

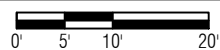


# PROPOSED CONDITIONS

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



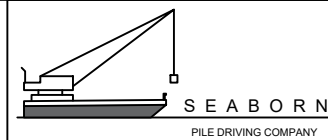
SCALE: 1" = 20'-0"



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Seaborn Pile Driving  
1080 W Ewing St  
Seattle, WA 98119

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permits@seabornpiledriving.com  
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**Purpose:** The proposed dock is to provide for safe boat moorage and safe water recreational activities for a single family residence.

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Datum: CORPS OF ENGINEERS 1919  
NW Quarter Of Section 31, Township 24, Range 05

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Created: 12/1/2020  
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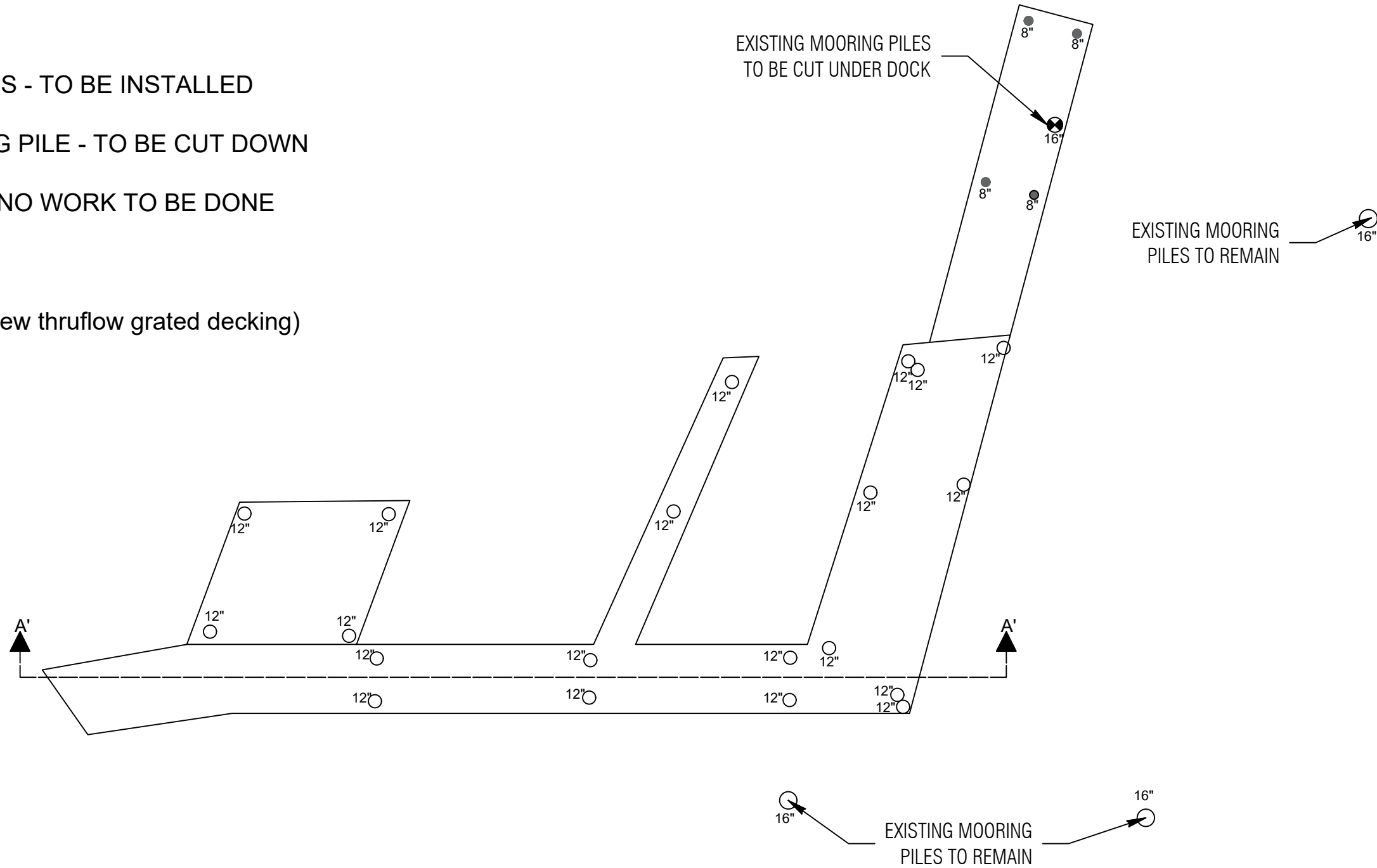
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# PIER DETAILS

## LEGEND

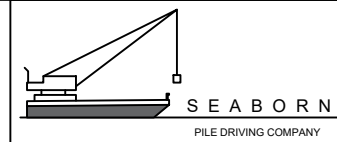
- (4) NEW 8" STEEL PILES - TO BE INSTALLED
- ⊗ (1) EXISTING MOORING PILE - TO BE CUT DOWN
- (23) EXISTING PILES - NO WORK TO BE DONE

Area: 759 sqft (total)  
 Area: 708 sqft (over water)  
 Area: 150 sqft (extension w/new thruflow grated decking)



## PLAN VIEW

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 Seaborn Pile Driving  
 1080 W Ewing St  
 Seattle, WA 98119  
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Purpose: **The proposed dock is to provide for safe boat moorage and safe water recreational activities for a single family residence.**

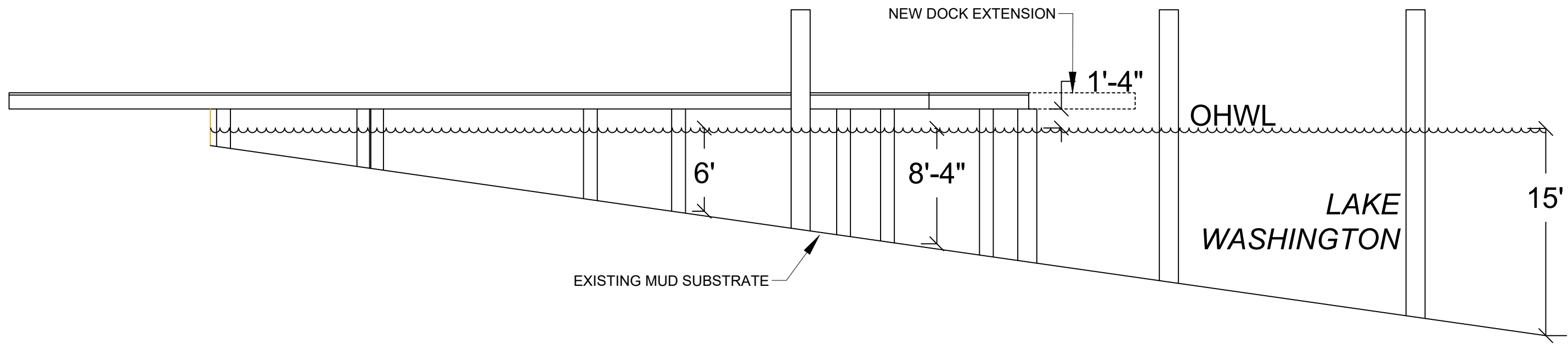
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 Created: 12/1/2020  
 Last Updated: 12/1/2020 1:10 PM Keise

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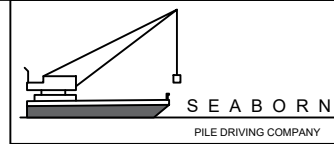
**SHEET  
 A4.0**

# PIER DETAILS



## SECTION VIEW

Prepared By:  
 Seaborn Pile Driving  
 1080 W Ewing St  
 Seattle, WA 98119  
 Office: 206-236-1700  
 permits@seabornpiledriving.com  
 www.seabornpiledriving.com

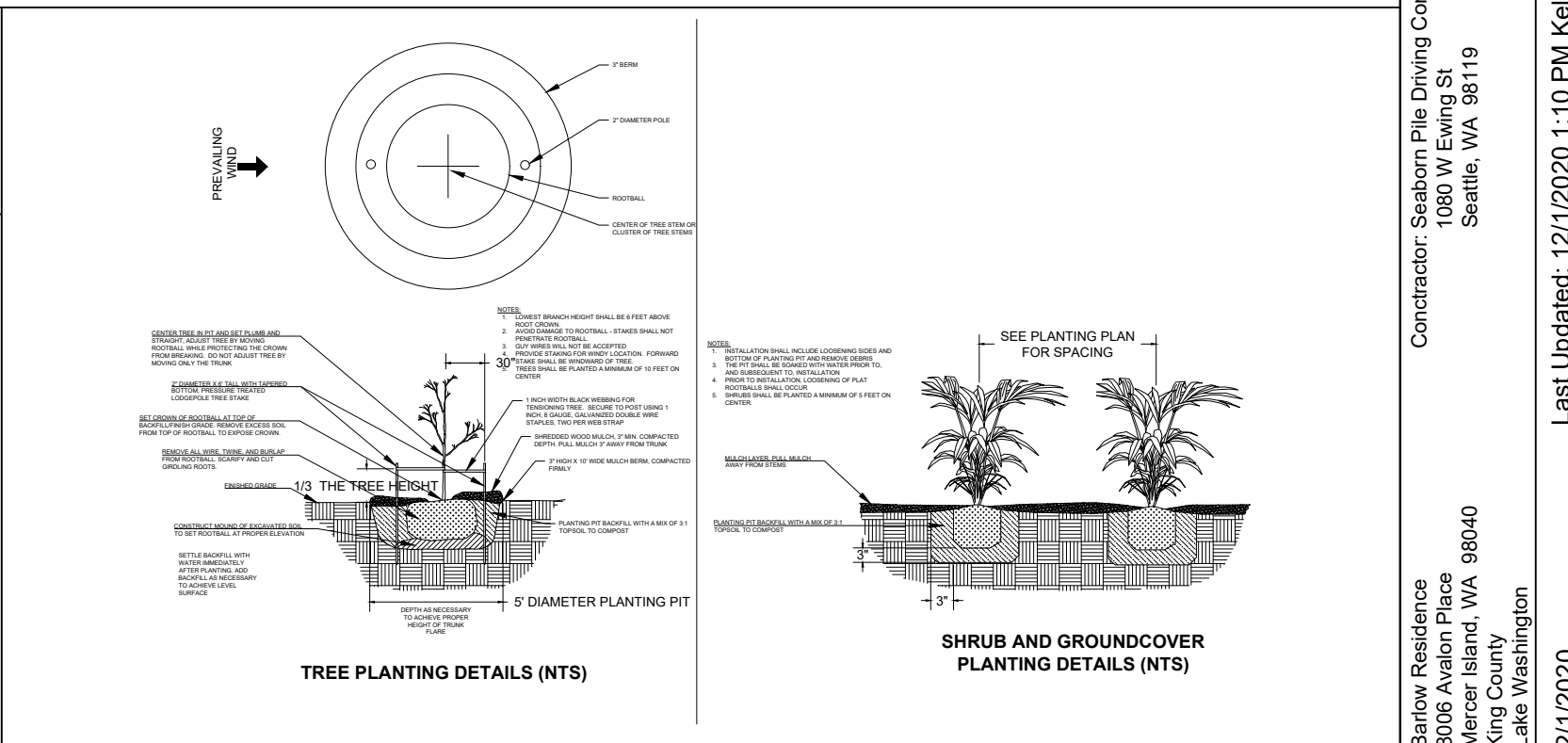
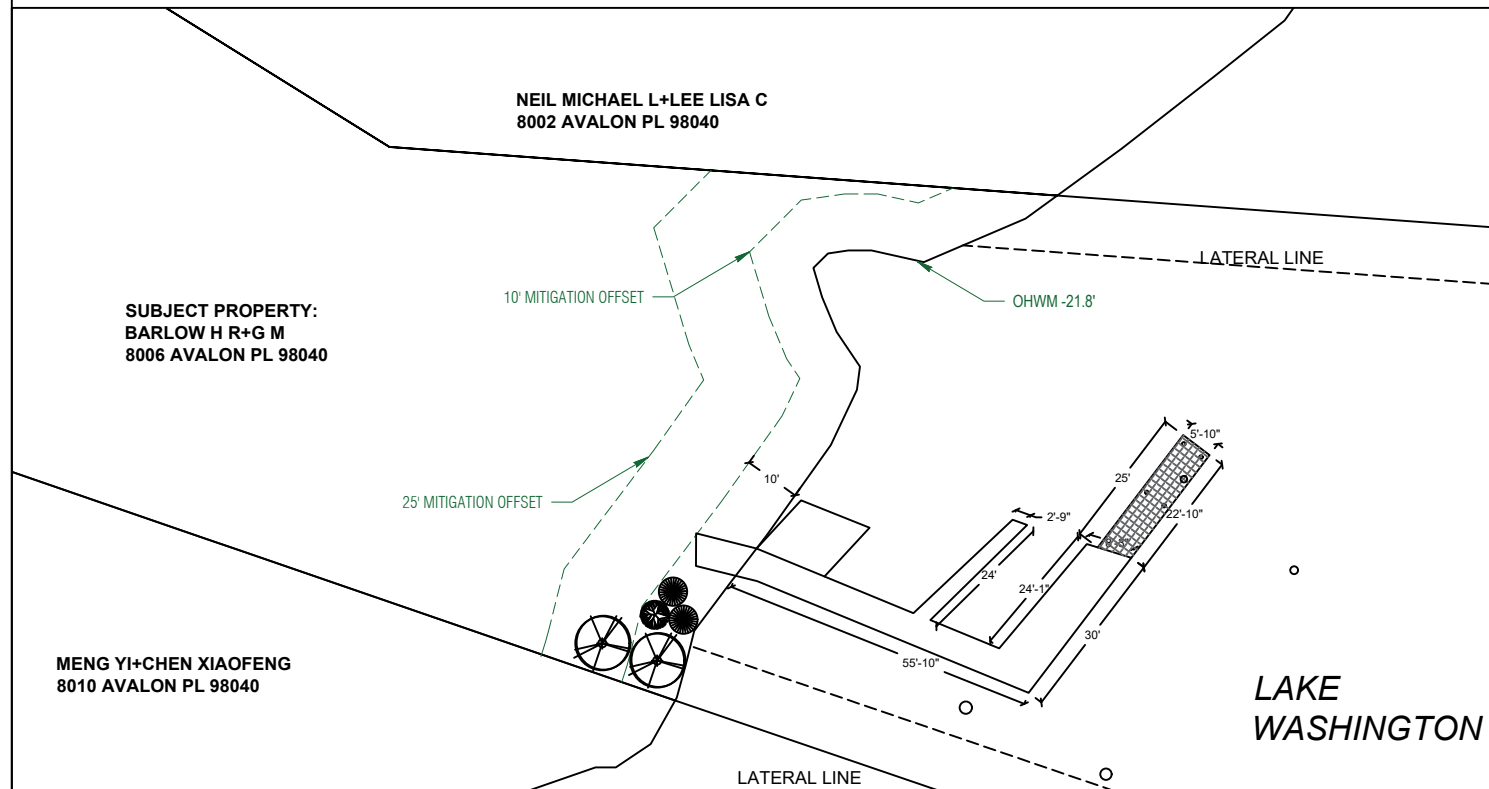


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Adjacent Owners: NEIL MICHAEL + LEE LISA C 8002 AVALON PL 98040	MENG YI-CHEN XIAOFENG 8010 AVALON PL 98040	SHEET A5.0	NWS-2020-XXX PAGE 5 OF 10

# MITIGATION PLAN



**Notes:**

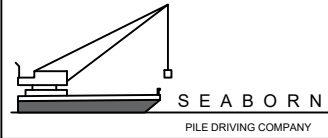
- Shrubs are show, and shall be planted, at least five feet on center. Trees are show, and shall be planted, at least ten feet to center.
- The property owner will implement and abide by the shoreline planting plan. The plants shall be installed before or concurrent with the work authorized by this permit. 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.
- 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.
- 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.

## PROPOSED PLANTING SPECIES/QUANTITIES

SYMBOL	LATIN NAME	COMMON NAME	QTY	SIZE
	<i>Thuja picatta</i>	Western Redcedar	2	3 ft
	<i>Rosa nutkana</i>	Nootka Rose	1	1 Gallon
	<i>Philadelphus lewisii</i>	Mock Orange	2	1 Gallon

**PLANTS:** Shrubs to be installed 5ft on center and trees to be installed 10ft on center.

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 Seattle, WA 98119



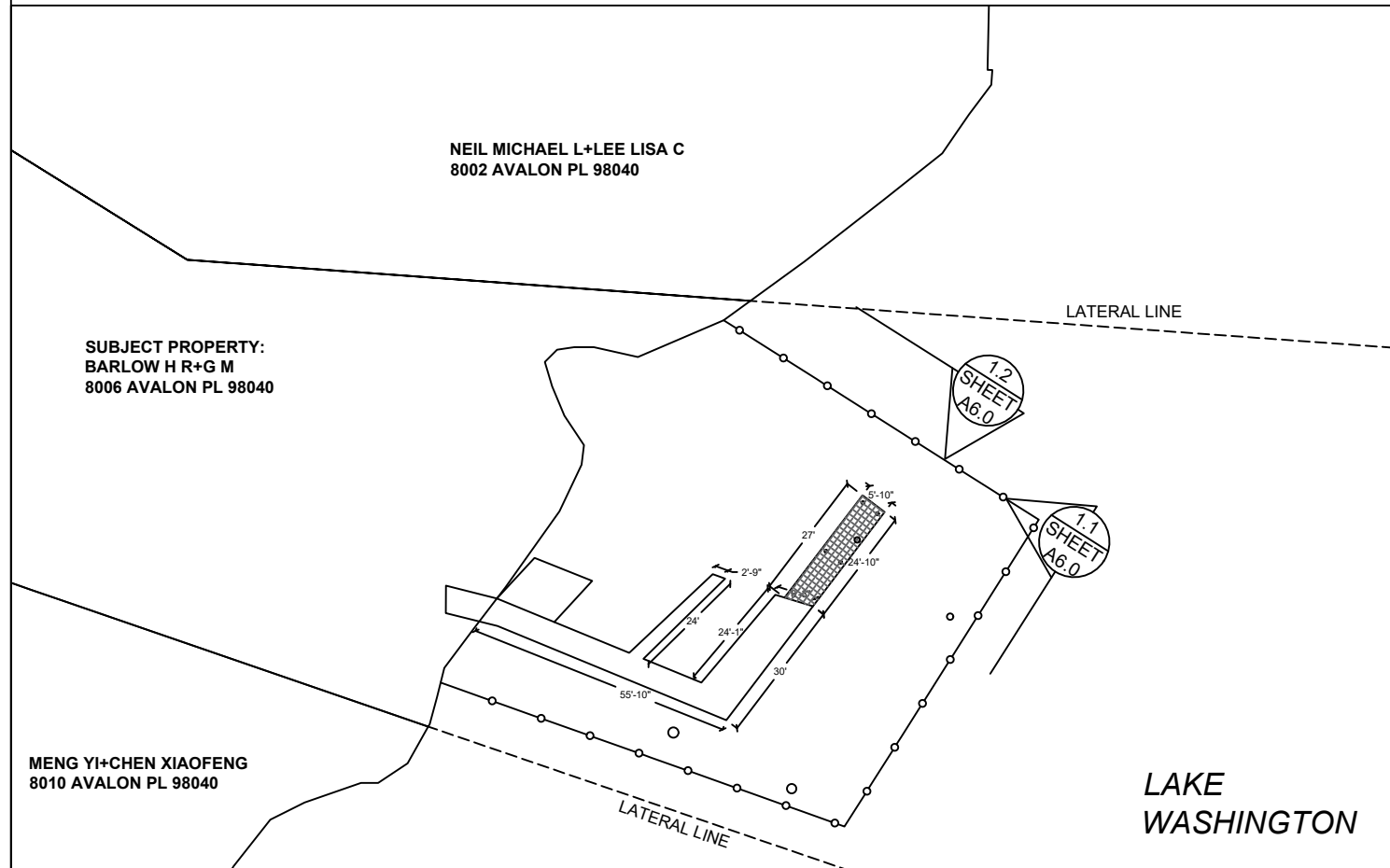
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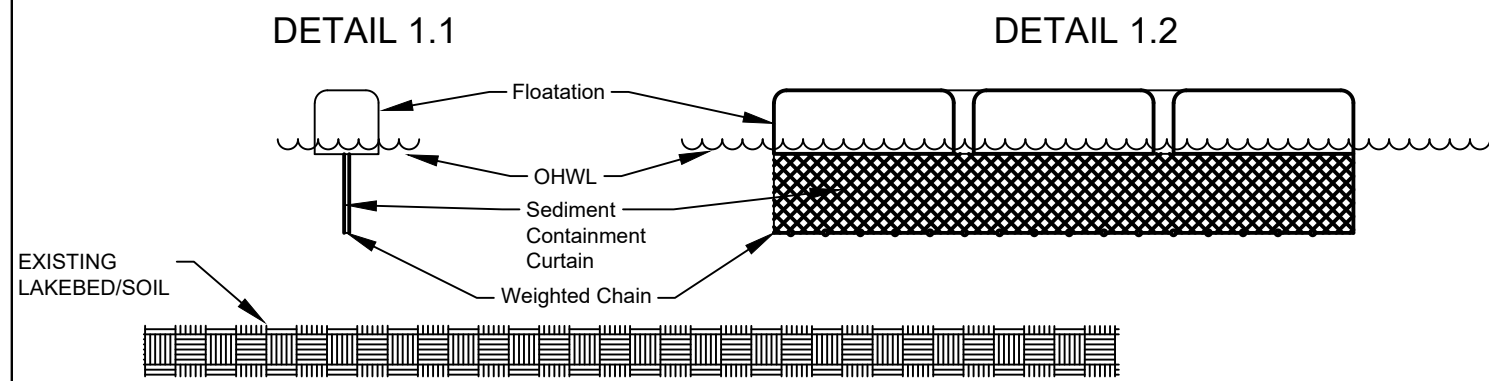
Contractor: Seaborn Pile Driving Company  
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 Created: 12/1/2020  
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 SHEET A6.0  
 NWS-2020-XXX  
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# BMP INFORMATION



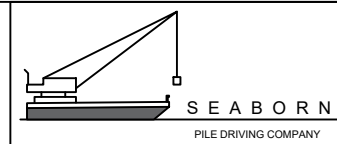
## BMP NOTES:

- 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.



DETAIL 1.1 & 1.2

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 Seaborn Pile Driving  
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 Seattle, WA 98119  
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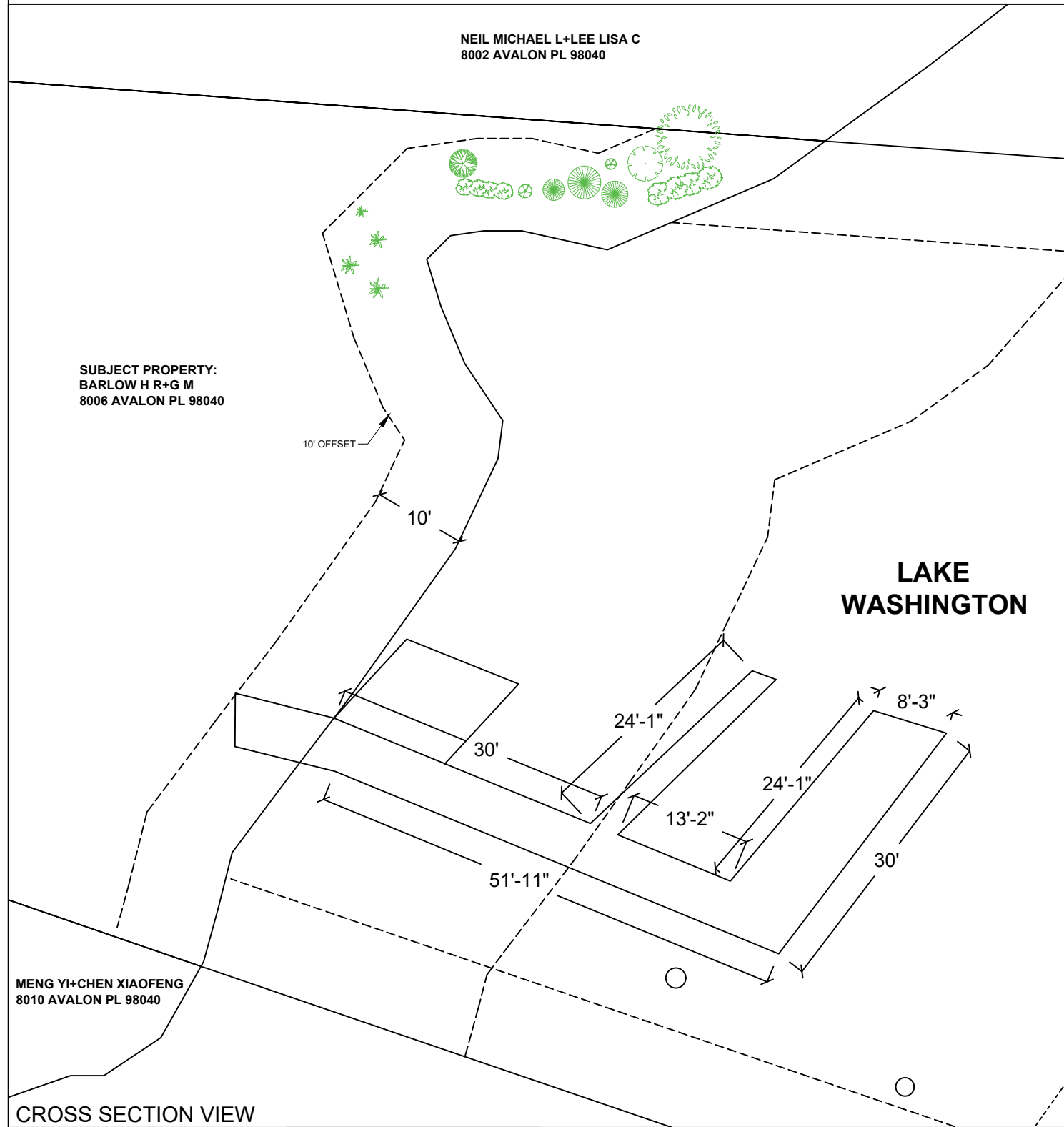
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<b>SHEET A7.0</b>		Created: 12/1/2020 1:10 PM Keise	
		NWS-2020-XXX PAGE 7 OF 10	



# EXISTING PLANT PLAN

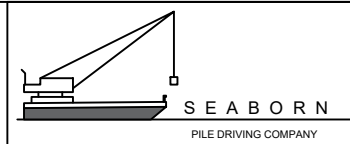


EXISTING PLANT SPECIES/QUANTITIES				
SYMBOL	LATIN NAME	COMMON NAME	QTY	SIZE
	Scotch Heather	Calluna	2	10 ft
	Japanese Maple	Acer	1	7.5 ft
	Laurustinus	Viburnum Tinus	1	4 ft
	Orange Daylily	Hemerocallis	4	1 ft
	Chinese Silver Grass	Miscanthus	2	2 ft
	White Spruce	Picea	1	3.5 ft
	Strawberry Tree	Arbutus	3	3.5 ft

EXISTING PLANTS TABLE

## CROSS SECTION VIEW

Prepared By:  
 Seaborn Pile Driving  
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**Created:** 12/1/2020  
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**SHEET A8.0**

NWS-2020-XXX  
 PAGE 8 OF 10