

BUILT BY	Seaborn Pile Driving 1080 W Ewing St Seattle, WA 98119	Scope of Work: We propose to install a 338 sqft moorage cover.
SFABORT ESTD 1941	Office: 206-236-1700 ext. 5 www.seabornpiledriving.com	

GENERAL NOTES:

MATERIALS SPEC LIST:

Boat Lifts: Aluminum

* SL10014ARW - 146" x 191"

CODE REFERENCES: Medina

We are applying for the permit to be reviewed under the

16.65.40. - Covered moorage

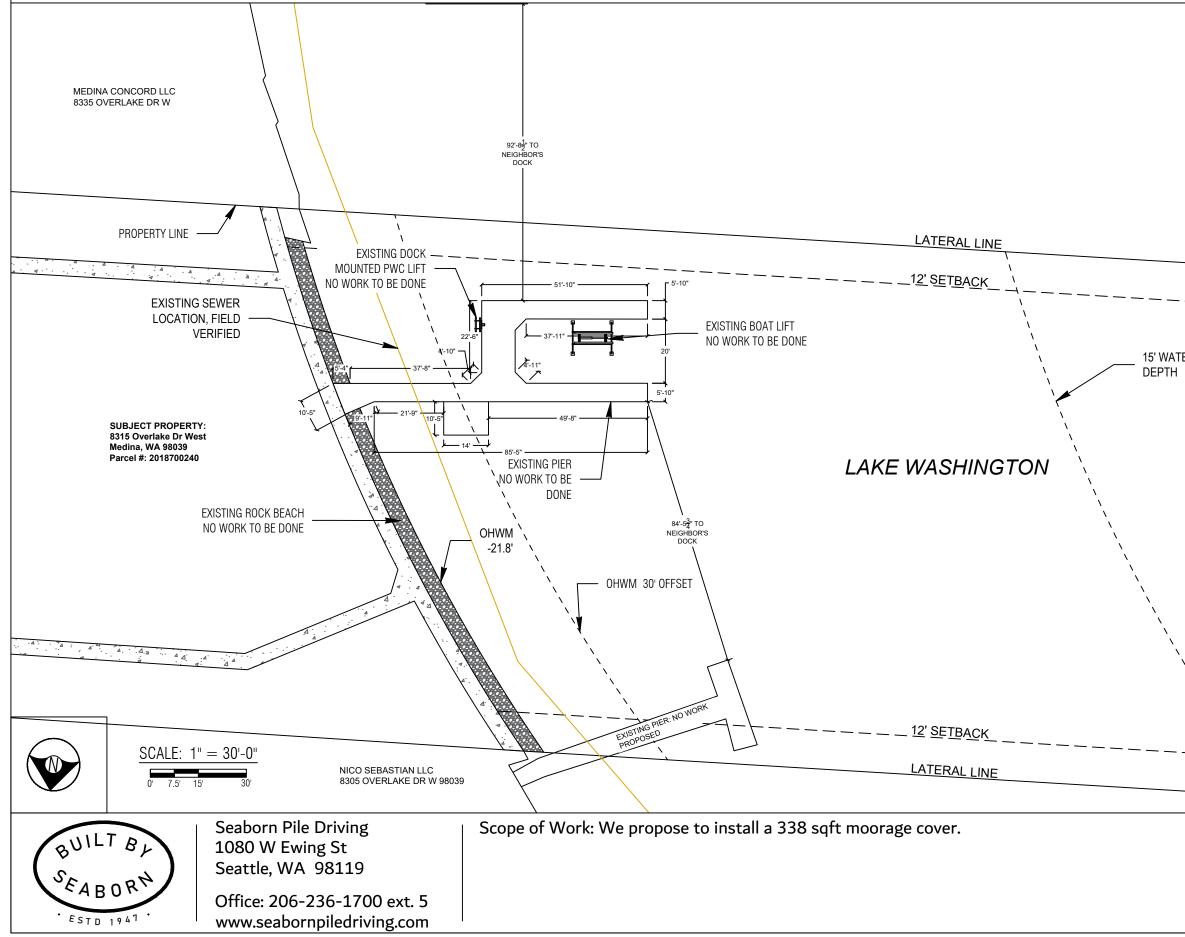
 BUILT BL
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 Office: 206-236-1700 ext. 5
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 NWS-2	2023-XXX 2 OF 12	
SHEET	2.0	
Datum: CORPS OF ENGINEERS 1919 SW Quarter Of Section 24, Township 14, Range 05		NICO SEBASITAN LLC 8305 OVERLAKE DR W 98039 8335 OVERLAKE DR W
Applicant: .	Medina, WA 98039	Created: 07/07/23
County: King County Location: Lake Washington)	Last Updated: 1/9/2024 6:47 am Leymar

EXISTING CONDITIONS

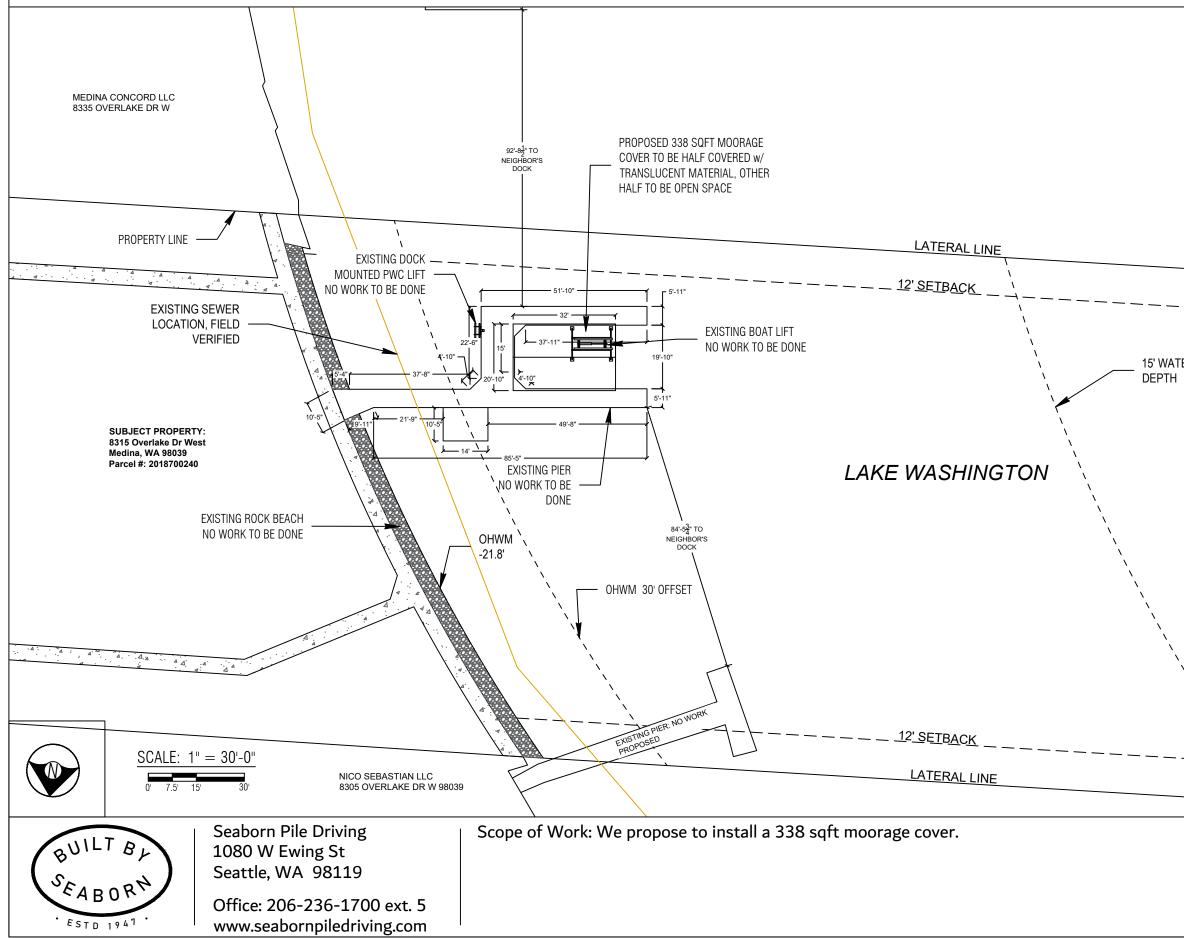
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OF ENGINEERS 1919 Section 24, Township 14, Range 05 Medina, WA 98039 Medina, WA 9
County: Location:
County: King Location: Lak
AKE AROUND PROJECT**

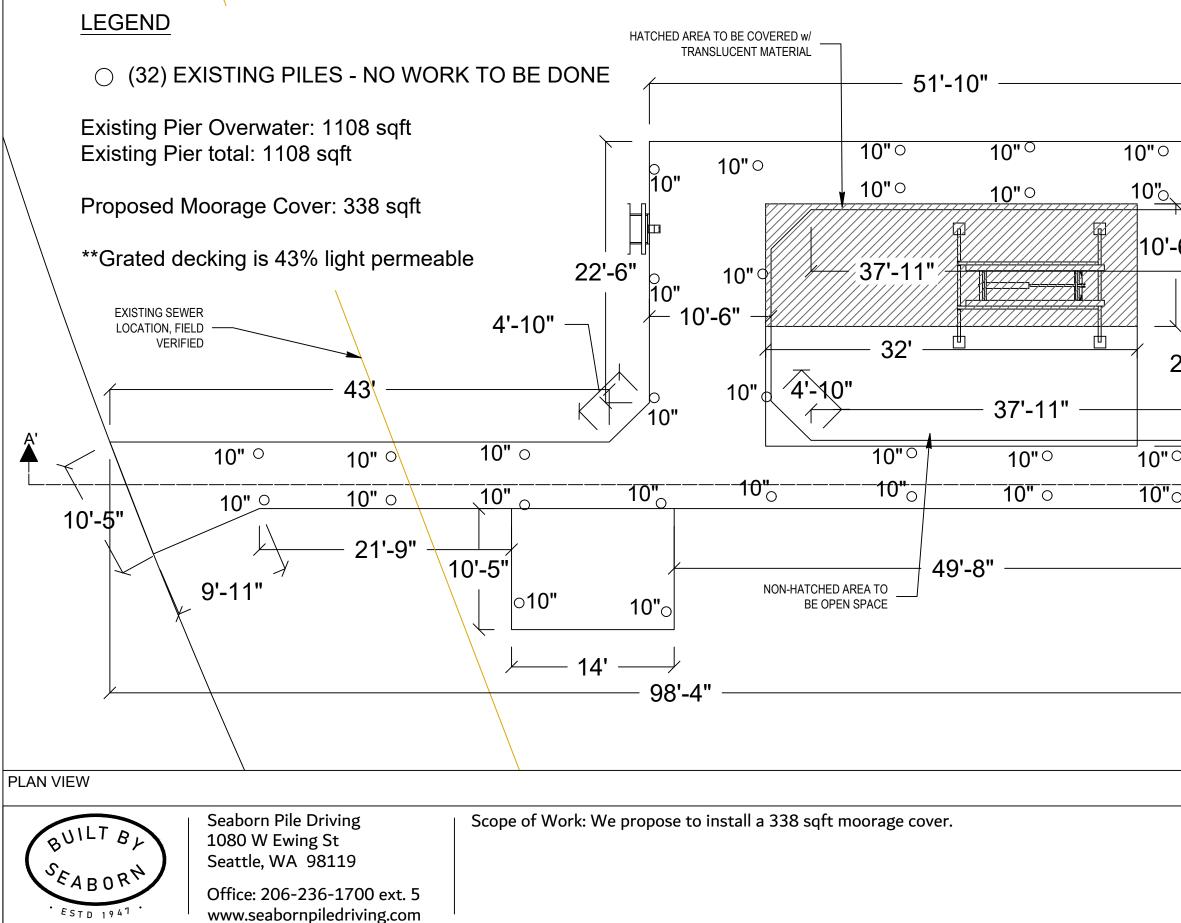
PROPOSED CONDITIONS

**CLEAN UP LA



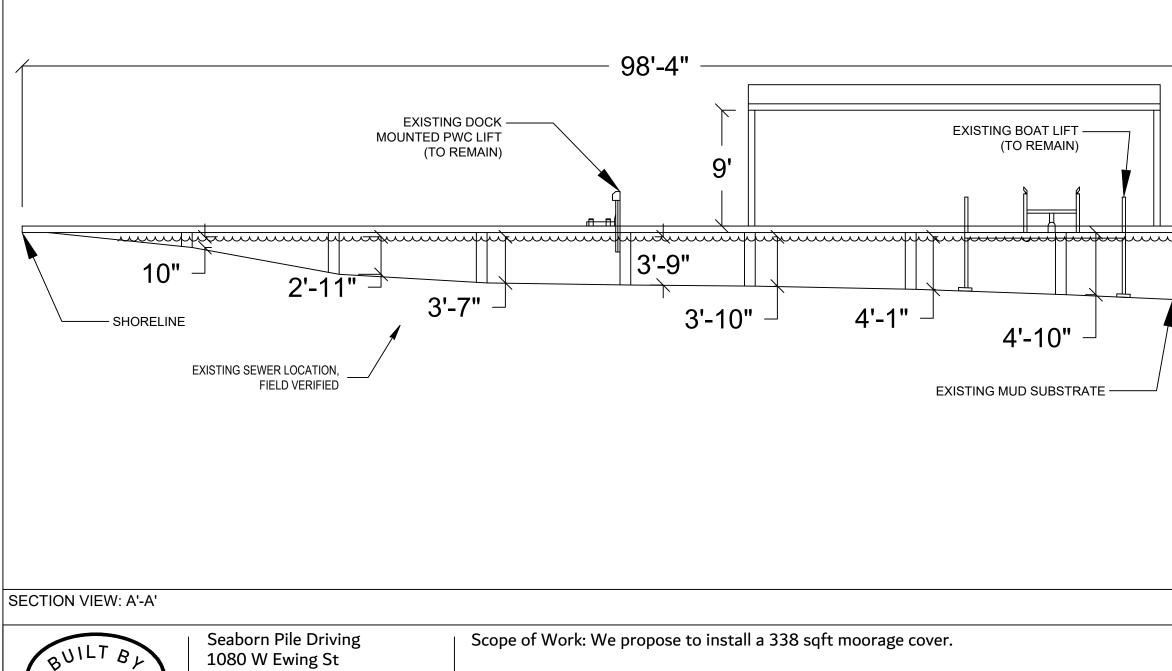
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	Datum: CORPS OF ENGINEERS 1919 SW Quarter Of Section 24, Township 14, Range 05	PTS: MEDINA CONCORD LLC 039 8335 OVERLAKE DR W
	Applicant: Jain Residence 8315 Overlake Dr West	Medina, WA 98039 Created: 07/07/23
AKE AROUND PROJECT**	County: King County Location: Lake Washington	Last Updated: 1/9/2024 6:47 am Leymar

PIER DETAILS - EXISTING/PROPOSED PLAN VIEW



	Datum: CORPS OF ENGINEERS 1919 SW Quarter Of Section 24, Township 14, Rar	Adjacent Owners: NICO SEBASTIAN LLC 8305 OVERLAKE DR W 98039
	z'.	
<u>5 10"o</u>	EERS 1919 Township 14, Range 05	MEDINA CONCORD LLC 8335 OVERLAKE DR W
$-6\frac{5}{8}$ 19'-10" 20'-10 $\frac{3}{8}$ " 	Applicant: Jain Residence 8315 Overlake Dr West	Medina, WA 96039 Created: 07/07/23
	County: King County Location: Lake Washington	Last Updated: 1/9/2024 6:47 am Leymar

PIER DETAILS EXISTING/PROPOSED - SECTION VIEW



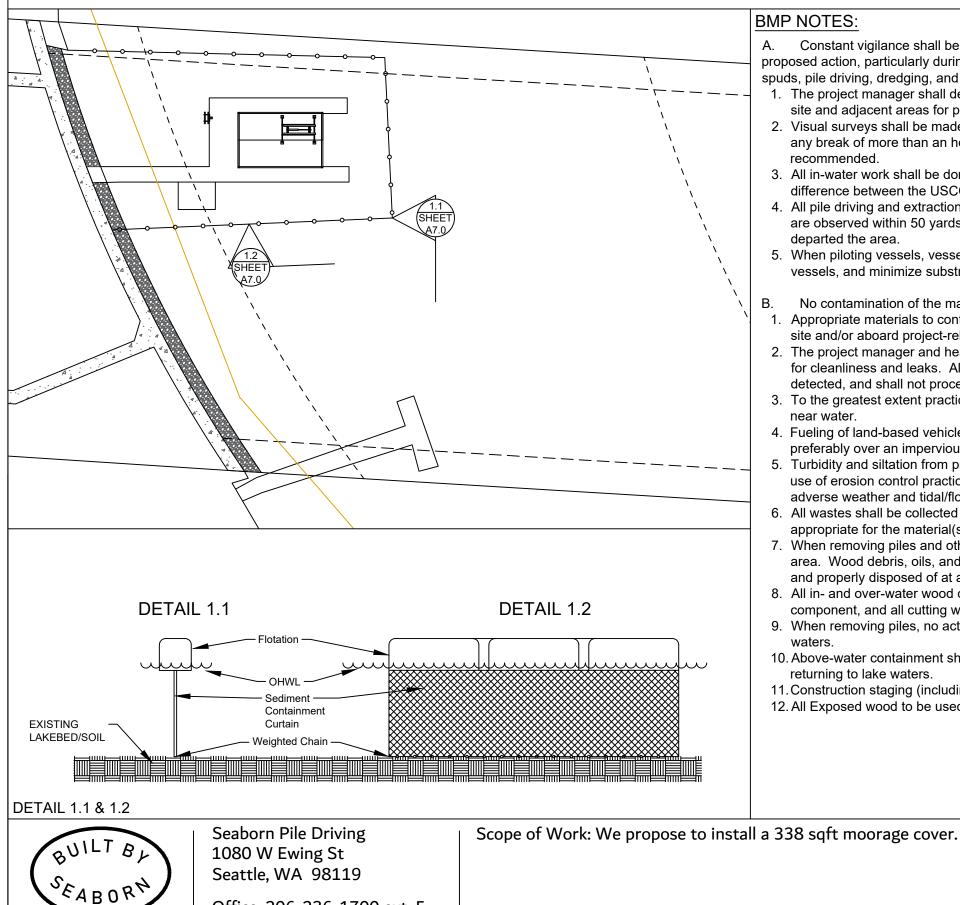
 Seattle, WA 98119

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		LINKS-2023 PAGE 6 0	
5'-5"		Datum: CORPS OF ENGINEERS 1919 SW Quarter Of Section 24, Township 14, Range 05	Adjacent Owners: NICO SEBASTIAN LLC MEDINA CONCORD LLC 8305 OVERLAKE DR W 98039 8335 OVERLAKE DR W
5'	DOCK ABOVE WATER 4" WATER 4" LAKE WASHINGTON	Applicant: Jain Residence 8315 Overlake Dr West Medina, WA 98039	Created: 07/07/23
		County: King County Location: Lake Washington	Last Updated: 1/9/2024 6:47 am Leymar

BMP INFORMATION



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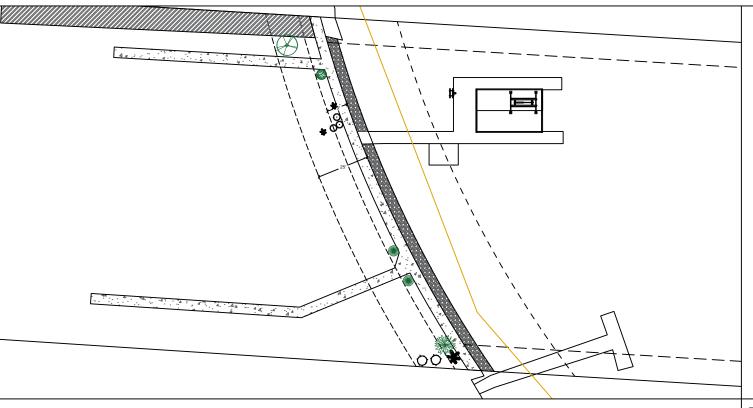
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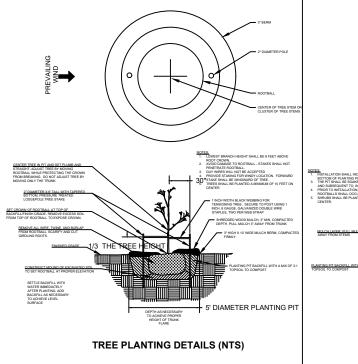
BMP NOTES:

Constant vigilance shall be kept for the presence of protected fis proposed action, particularly during in-water activities such as vessel m spuds, pile driving, dredging, and placement of gravels and other fill.

- 1. The project manager shall designate an appropriate number of co site and adjacent areas for protected species, including the preser
- 2. Visual surveys shall be made prior to the start of work each day, a any break of more than an hour. Periodic additional visual surveys recommended.
- 3. All in-water work shall be done during the in-water work window for difference between the USCOE and WDFW work windows, the ov
- 4. All pile driving and extraction shall be postponed or halted when o are observed within 50 yards of that work, and shall only begin/res departed the area.
- 5. When piloting vessels, vessel operators shall operate at speeds a vessels, and minimize substrate scour and mobilization of bottom
- No contamination of the marine environment shall result from pro
- 1. Appropriate materials to contain and clean potential spills shall be site and/or aboard project-related vessels.
- 2. The project manager and heavy equipment operators shall perform for cleanliness and leaks. All heavy equipment operations shall be detected, and shall not proceed until the leak is repaired and the e
- 3. To the greatest extent practicable, utilize biodegradable oils for eq near water.
- 4. Fueling of land-based vehicles and equipment shall take place at preferably over an impervious surface. Fueling of vessels shall be
- 5. Turbidity and siltation from project-related work shall be minimized use of erosion control practices, effective silt containment devices. adverse weather and tidal/flow conditions.
- 6. All wastes shall be collected and contained for proper disposal at appropriate for the material(s).
- 7. When removing piles and other similarly treated wood, containment area. Wood debris, oils, and any other materials released into lak and properly disposed of at approved disposal sites.
- 8. All in- and over-water wood cutting would be limited to the minimu component, and all cutting work should be enclosed within floating
- 9. When removing piles, no actions shall be taken that would cause waters.
- 10. Above-water containment shall be installed around removed piles returning to lake waters.
- 11. Construction staging (including stocking of materials, etc.) will occ
- 12. All Exposed wood to be used on the project will be treated with a

MITIGATION PLAN





Notes:

1. The property owner shall implement and abide by the shoreline planting plan, including the installation of the identified species, in the identified locations. Shrubs shall be planted at least five feet on center, and trees shall be planted at least ten feet on center.

2. For best plant survival, planting should be completed the first October through March period concurrent with or immediately following 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 shall preserve in good health 100% of shoreline planting plan vegetation for as long as the structures that have been permitted under the RAP program remain in place. Plants that die must be replaced with the appropriate plant type (i.e. tree for tree, shrub for shrub) from the RAP Plant List.

4. The property owner shall monitor the survival of shoreline planting plan vegetation for five years (Monitoring Years 1-5) after the U.S. Army Corps of Engineers accepts the as-built report. The property owner shall also submit annual monitoring reports to the U.S. Army Corps of Engineers each year during this period. Each annual monitoring report will include written and photographic documentation that the performance standards are being met, including documentation of plant mortality and replacement. 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.

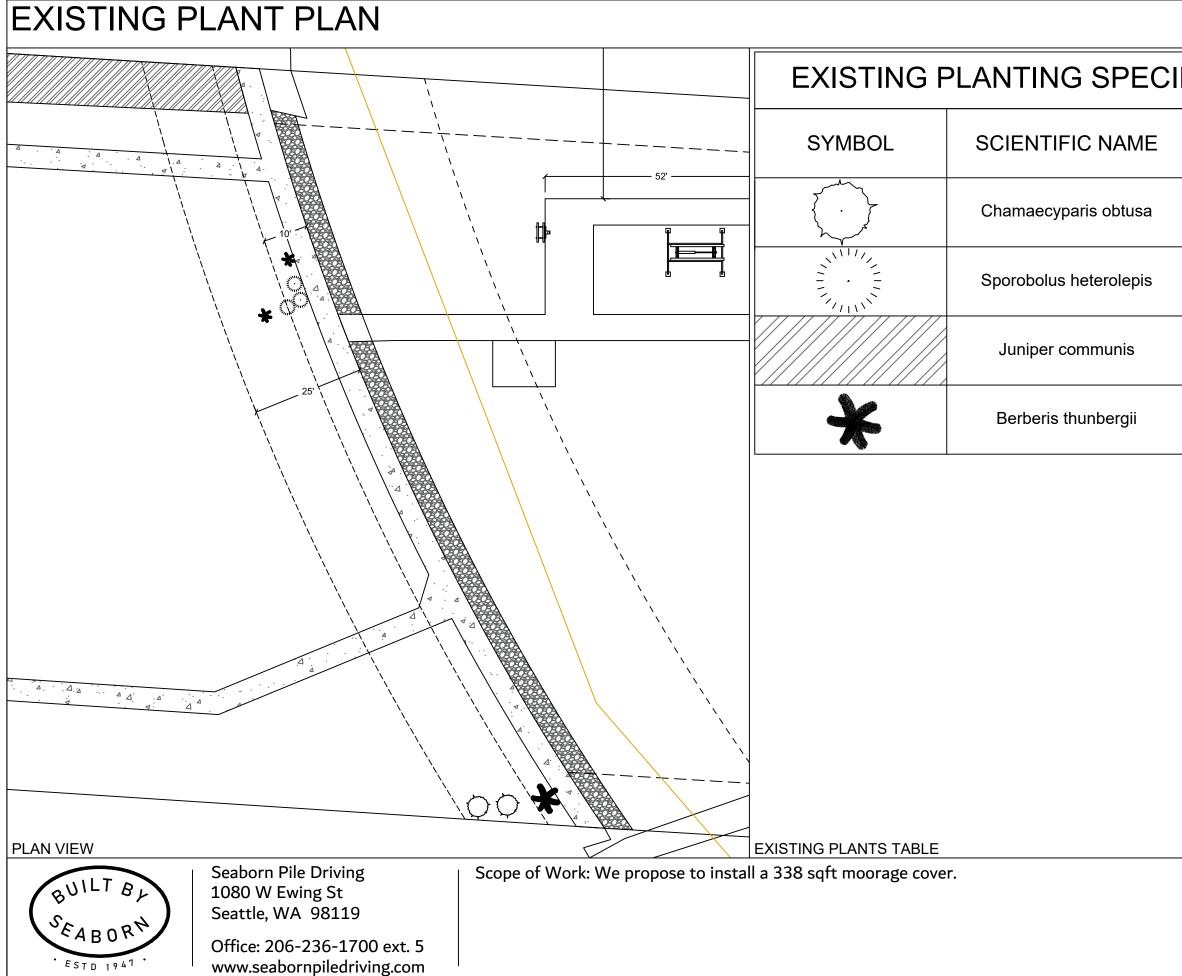
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DISTRUCTIONNO OF ERRORTMON TO SERVICE AND	THE THE HEAD THAT THE ALCORE THAT AND THE ALCORE THAT AND THAT THAT A	Shrub and group planting deta	ILS (NTS)	ITIES	Applicant: Jain Residence 8315 Overlake Dr West	
			QTY	SIZE	05 Appl	
SYMBOL						0
SYMBOL	Thuja plicata	Western Red Cedar	1	3 ft	Range	ONCORD LLC RLAKE DR W
SYMBOL			1	3 ft 3 ft	Range	MEDINA CONCORD LLC 8335 OVERLAKE DR W
SYMBOL	Thuja plicata	Western Red Cedar			Range	MEDINA CONCORD LLC 8335 OVERLAKE DR W
SYMBOL	Thuja plicata Pinus contorta v contorta	Western Red Cedar Shore pine	1	3 ft	Range	S: MEDINA CONCOR 8335 OVERLAKE C
	Thuja plicata Pinus contorta v contorta Rosa nutkana	Western Red Cedar Shore pine Nootka Rose Mock Orange	1 1 2	3 ft 1 Gallon 1 Gallon	ge	Adjacent Owners: MEDINA CONCORD LLC MEDINA CONCORD LLC 8335 OVERLAKE DR W 98039 8335 OVERLAKE DR W
	Thuja plicata Pinus contorta v contorta Rosa nutkana Philadelphus lewisii be installed 5ft on center and tree	Western Red Cedar Shore pine Nootka Rose Mock Orange	1 1 2	3 ft 1 Gallon 1 Gallon	Range	MEDINA CONCOR 8335 OVERLAKE D

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SEABORN
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Scope of Work: We propose to install



IE	ES/QUANT	ITIE	S		King County Lake Washington		am Leymar
	COMMON NAME	QTY	SIZE				Last Updated: 1/9/2024 6:47 am Leymar
	Hinoki cypress	2	5' x 12'		County: Location:		t Updated:
	Prairie Dropseed	3	3'				Las
	Juniper	many	varies		Jain Residence 8315 Overlake Dr West Madina WA 08030		
	Japanese Barberry	3	varies		Jain Residence 8315 Overlake Dr V Medina WA 98039		07/23
				-	Applicant: Jain Residence 8315 Overlake Dr V Medina WA 08030		Created: 07/07/23
					GINEERS 1919 24, Township 14, Range 05		MEDINA CONCORD LLC 8335 OVERLAKE DR W
					Datum: CORPS OF ENGINEERS 1919 SW Quarter Of Section 24, Township 14, Ra	Adjacent Owners:	NICO SEBASTIAN LLC 8305 OVERLAKE DR W 98039
					SHEET	9.0	
					NWS-202 PAGE 9		

GENERAL ENGINEERING NOTES:

GENERAL

- 1. ALL CONSTRUCTION SHALL CONFORM TO THESE PLANS.
- 2. CONTRACTOR SHALL VERIFY ALL LEVELS, DIMENSIONS, AND EXISTING CONDITIONS IN THE FIELD BEFORE PROCEEDING. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR FIELD CHANGES PRIOR TO INSTALLATION OR FABRICATION. IN CASE OF DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THE DRAWINGS. THE CONTRACTOR SHALL OBTAIN DIRECTION FROM THE ENGINEER BEFORE PROCEEDING. DIMENSIONS NOTED AS PLUS OR MINUS (±) OR REF INDICATE UNVERIFIED DIMENSIONS AND ARE APPROXIMATE. NOTIFY ENGINEER IMMEDIATELY OF CONFLICTS OR EXCESSIVE VARIATIONS FROM INDICATED DIMENSIONS, NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS - DO NOT SCALE DRAWINGS. DIMENSIONS OF EXISTING CONDITIONS ARE BASED ON RECORD DRAWINGS AND ARE TO BE FIELD-VERIFIED BY THE CONTRACTOR.
- CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND BRACING OF ALL STRUCTURAL 3. MEMBERS AND EXISTING MEMBERS, AS REQUIRED, AND IN A MANNER SUITABLE TO WORK SEQUENCE. TEMPORARY SHORING AND BRACING SHALL NOT BE REMOVED UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE DRAWINGS AND MATERIALS HAVE ACHIEVED DESIGN STRENGTH.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE 4. METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES REQUIRED TO PERFORM THE WORK.
- 5. ALL MATERIALS SHALL BE NEW, UNO.
- 6. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE DRAWINGS. NOTES, AND MANUFACTURER RECOMMENDATIONS. IF THERE ARE ANY CONFLICTS BETWEEN THESE DOCUMENTS, THE ENGINEER SHALL BE CONTACTED FOR DIRECTION.
- THE CONTRACTOR SHALL CAREFULLY DECONSTRUCT EXISTING ELEMENTS AS 7. NECESSARY TO ACCESS THE WORK AREAS. SUCH DECONSTRUCTION MAY INCLUDE, INTERIOR AND EXTERIOR FINISHES. ALL DECONSTRUCTION ELEMENTS SHALL BE RECONSTRUCTED TO MATCH THE ORIGINAL APPEARANCE AND MEET THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.
- 8. ALL MOORAGE COVERS AND LIFTS SHALL BE FREESTANDING AND SHALL NOT BE ATTACHED TO THE DOCK, UNLESS NOTED OTHERWISE.

CODES AND STANDARDS

- ALL METHODS AND MATERIALS SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE, 2018 EDITION.
- 2. AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) STANDARD 7-16 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.
- 3. WOOD WORK SHALL CONFORM TO THE NATIONAL DESIGN SPECIFICATION (NDS) 2018 EDITION.
- 4. AMERICAN SOCIETY FOR TESTING AND MATERIALS, CURRENT EDITION

DESIGN CRITERIA

WIND DESIGN:	WIND LOAD IS BASED ON ASCE 7 CHAPTER 29 WITH THE FOLLOWING FACTORS	
	DESIGN VESSEL IS 30' LONG WITH AVERAGE FREEBOARD OF $11'-6''$ DESIGN VESSEL IS 60' LONG WITH AVERAGE FREEBOARD OF $14'$	
WAVE LOADS:	P = 328 LBS	
LIVE LOADS:	LIVE LOAD = 40 PSF SNOW LOAD = 25 PSF	
SEISMIC LOADS:	DOCK PILING R = 2.0 SEISMIC IMPORTANCE = 1.0	

 $SD_1 = 0.595q$

STRUCTURAL STEEL

- ALL MISCELLANEOUS STEEL SHAPES AND PLATES, EXCEPT AS NOTED BELOW, SHALL 1 CONFORM TO ASTM 36.
- 2. ALL WF SHAPES SHALL CONFORM TO ASTM A992, Fy = 50 KSI
- 3. ALL PILES SHALL CONFORM TO ASTM A252 GRADE 3, Fy = 45 KSI
- 4. ALL BOLTS SHALL BE ASTM A307, UNO.
- 5. ALL NUTS SHALL BE ASTM A563, UNO.
- ALL WASHERS SHALL BE ASTM F436, UNO. 6
- 7. ALL THREADED RODS SHALL CONFORM TO ASTM F1554, GRADE 36.
- ALL STEEL MEMBERS AND FASTENERS THAT ARE NOT EPOXY COATED SHALL BE HOT 8. DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153 AS APPLICABLE.

WELDING

- ALL WELDING SHALL BE PERFORMED BY WELDERS QUALIFIED FOR THE WELD AND POSITION SHOWN IN ACCORDANCE WITH AWS AND HAVING CURRENT CERTIFICATION FROM WARO
- 2. ALL WELDS SHALL BE PERFORMED WITH PROCEDURES PREQUALIFIED OR QUALIFIED IN ACCORDANCE WITH AWS D1.1.
- THE WELDS SHOWN ARE FOR THE FINAL CONNECTIONS, FIELD WELD SYMBOLS ARE SHOWN WHERE FIELD WELDS ARE REQUIRED BY THE STRUCTURAL DESIGN. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING IF A WELD SHOULD BE SHOP OR FIELD WELDED IN ORDER TO FACILITATE THE STRUCTURAL STEEL ERECTION.
- 4. WELDING ELECTRODES SHALL BE 70 KSI STRENGTH AND SHALL BE "LOW-HYDROGEN FLECTRODES."

WOOD

- EACH PIECE OF LUMBER SHALL BEAR A STAMP INDICATING A GRADE MARK OF THE WEST COAST LUMBER INSPECTION BUREAU (WCLIB), WESTERN WOOD PRODUCTS ASSOCIATION (WWPA), OR OTHER AGENCY ACCREDITED BY THE AMERICAN STANDARD COMMITTEE (ALSC).
- 2. DIMENSION LUMBER SHALL BE P.T. DOUG-FIR NO 2 OR BETTER, UNLESS NOTED OTHERWISE.
- 3. STRUCTURAL GLUED LAMINATED TIMBER SHALL BE ALASKAN CEDAR AC.AC 20F-V12.
- WOOD SHALL BE SEASONED DRY WITH A MAXIMUM MOISTURE CONTENT OF 19%. 4
- PRESERVATIVE TREATED WOOD SHALL CONFORM TO THE AMERICAN WOOD PROTECTION ASSOCIATION (AWPA) UC4A. ALL WOOD SHALL BEAR A TREATMENT IDENTIFICATION MARK BY THE CERTIFYING AGENCY.
- ALL BOLT HOLES IN WOOD MEMBERS SHALL BE A MINIMUM OF 1/32" TO MAXIMUM OF 6. 1/16" LARGER THAN THE BOLT DIAMETER. PROVIDE PLATE WASHERS WHERE NUTS, BEAR ON WOOD. CUT WASHERS SHALL MEASURE 2 1/4" # x 3/16" THICK.

GRATING

1. DECK GRATING SHALL BE SUNWALK 90 SERIES OR APPROVED EQUAL

ABBREVIAT	IONS
0	AT
AWS	AMERICAN WELDING SOCIETY
CL	CENTER LINE
CLR	CLEAR
COL	COLUMN
CONT.	CONTINUOUS
DF	DOUG FIR
EA	EACH
EX_OR (E)	EXISTING
GLB	GLULAM BEAM
LLH	LONG LEG HORIZONTAL
MIN MNFR	MINIMUM MANUFACTURER
OC	ON CENTER
OPP	OPPOSITE
PL	PLATE
PSI	POUNDS PER SQUARE INCH
PSF	POUNDS PER SQUARE FOOT
P.T.	PRESERVATIVE TREATED
SF	SQUARE FOOT
REF	REFERENCE
SIM	SIMILAR
SS	STAINLESS STEEL
t	THICK
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
MF	VERIFY IN FIELD
WABO	WASHINGTON ASSOCIATION OF
	BUILDING OFFICIALS
WF	WIDE FLANGE
W/	WITH



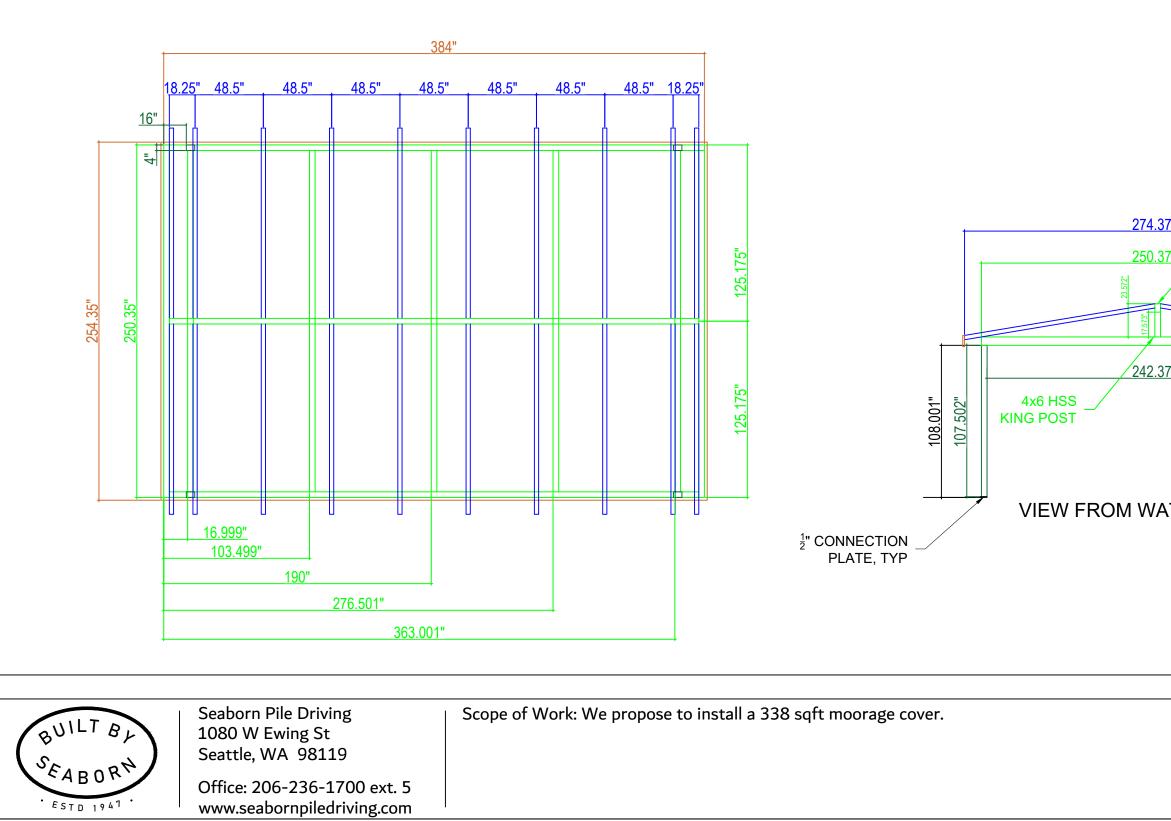
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	SHEET 10.0	
Datum: CORPS OF ENGINEERS 1919 SW Outstar Of Section 24 Townshin 11 Parado 05	Adjacent Owners:	NICO SEBASTIAN LLC MEDINA CONCORD LLC 8305 OVERLAKE DR W 98039 8335 OVERLAKE DR W
Applicant: Jain Residence	8315 Overlake Dr West Medina, WA 98039	Created: 07/07/23
County: King County	Location: Lake Washington	Last Updated: 1/9/2024 6:47 am Leymar
nty	shington	Leymar

FRAMING PLAN



		NWS-2023-X PAGE 11 OF	
		SHEET 11.0	
4x6 HSS FRAME, TYP	4x6 HSS COLUMN, TYP	Datum: CORPS OF ENGINEERS 1919 SW Quarter Of Section 24, Township 14, Range 05 Adiacent Owners:	NICO SEBASTIAN LLC MEDINA CONCORD LLC 8305 OVERLAKE DR W 98039 8335 OVERLAKE DR W
4x6 HSS RIDGE BEAM, TYP	BEAM, TYP 3x3 HSS RAFT TYP	Applicant: Jain Residence 8315 Overlake Dr West Medina, WA 98039	Created: 07/07/23
		County: King County Location: Lake Washington	Last Updated: 1/9/2024 6:47 am Leymar

