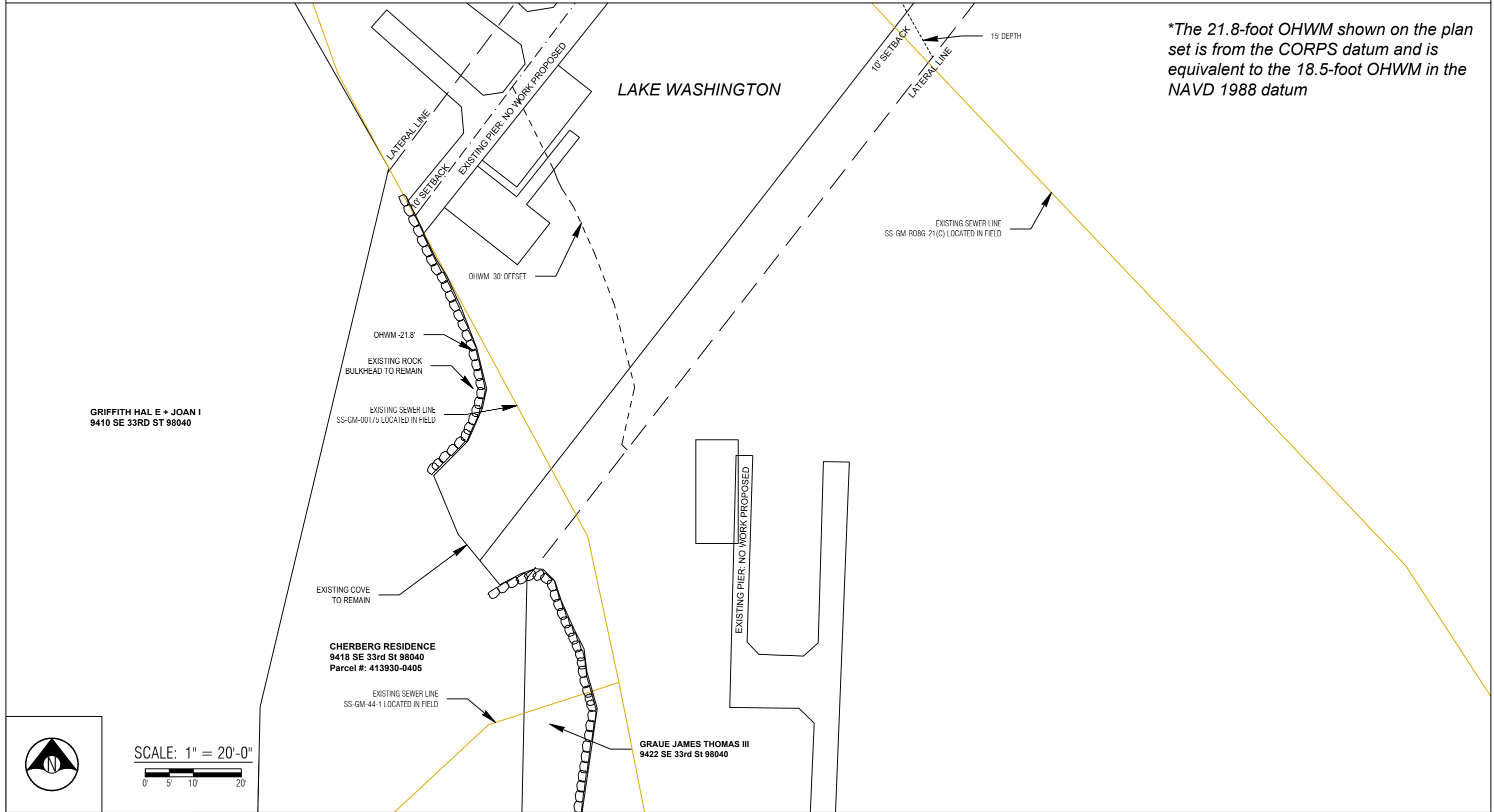




# EXISTING CONDITIONS

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



**County:** King County  
**Location:** Lake Washington  
**Applicant:** Cherberg Residence  
 9418 SE 33rd Street  
 Mercer Island, WA 98040  
**Datum:** CORPS OF ENGINEERS 1919  
 SE Quarter Of Section 07, Township 24, Range 05  
**Adjacent Owners:**  
 GRAUE JAMES THOMAS III  
 9422 SE 33RD ST 98040  
 GRIFFITH HAL E+JOAN I  
 9410 SE 33RD ST 98040

Last Updated: 10/12/2022 1:03 PM Zion

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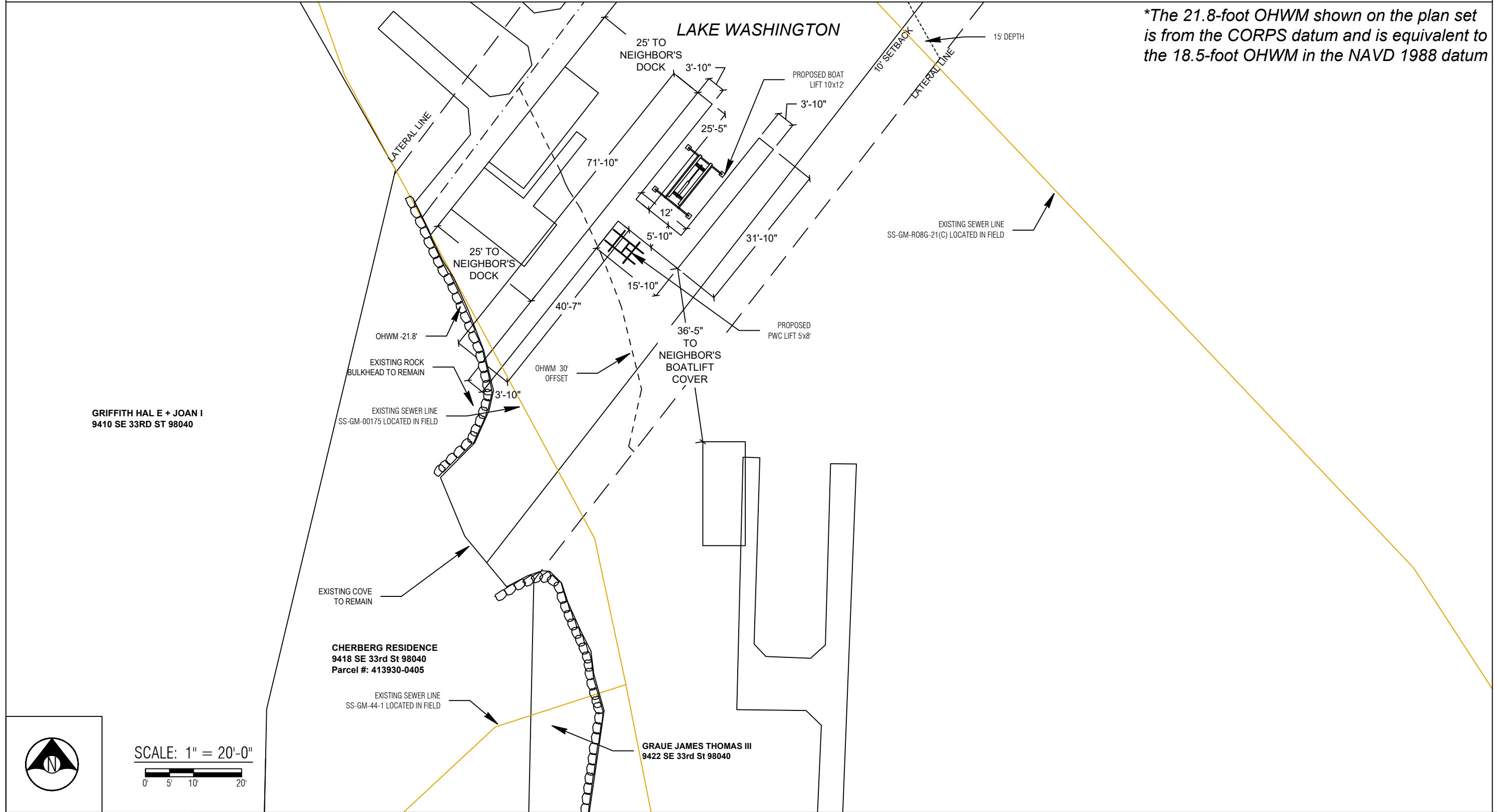
**Seaborn Pile Driving**  
 1080 W Ewing St  
 Seattle, WA 98119  
 Office: 206-236-1700 ext. 3  
[www.seabornpiledriving.com](http://www.seabornpiledriving.com)

**Scope of Work:** We propose to drive (20) 8" steel piles and construct a new dock with grated decking material. We also propose to install (1) new boat lift and (1) new PWC lift.

**SHEET A2.0**

# PROPOSED

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



*\*The 21.8-foot OHWM shown on the plan set is from the CORPS datum and is equivalent to the 18.5-foot OHWM in the NAVD 1988 datum*

**County:** King County  
**Location:** Lake Washington

**Applicant:** Cherberg Residence  
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SCALE: 1" = 20'-0"  
0' 5' 10' 20'



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**SHEET**  
**A3.0**

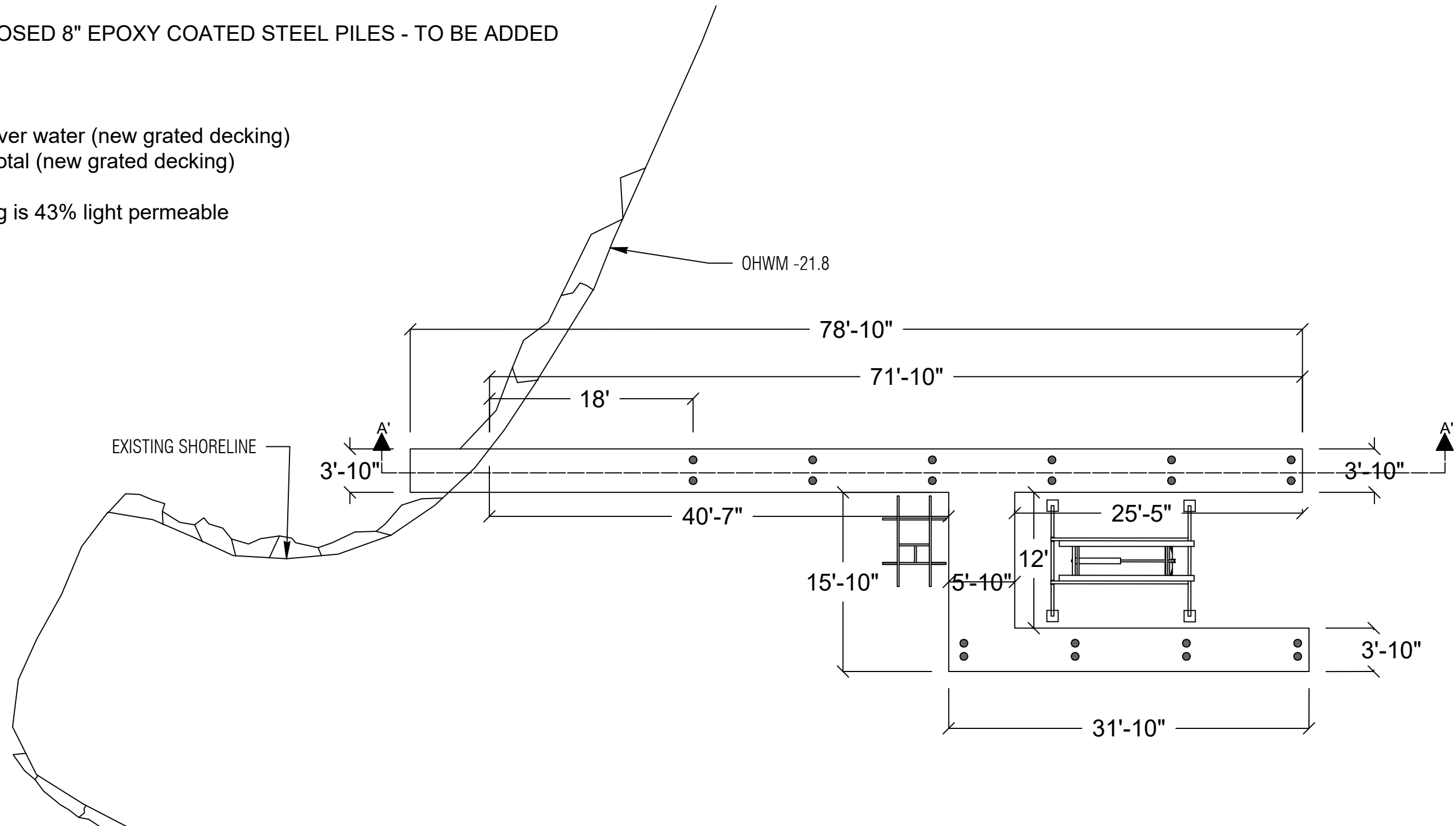
# PIER DETAILS - EXISTING/PROPOSED

## LEGEND

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

Area: 468 sqft over water (new grated decking)  
494 sqft total (new grated decking)

\*\*Grated decking is 43% light permeable



PLAN VIEW



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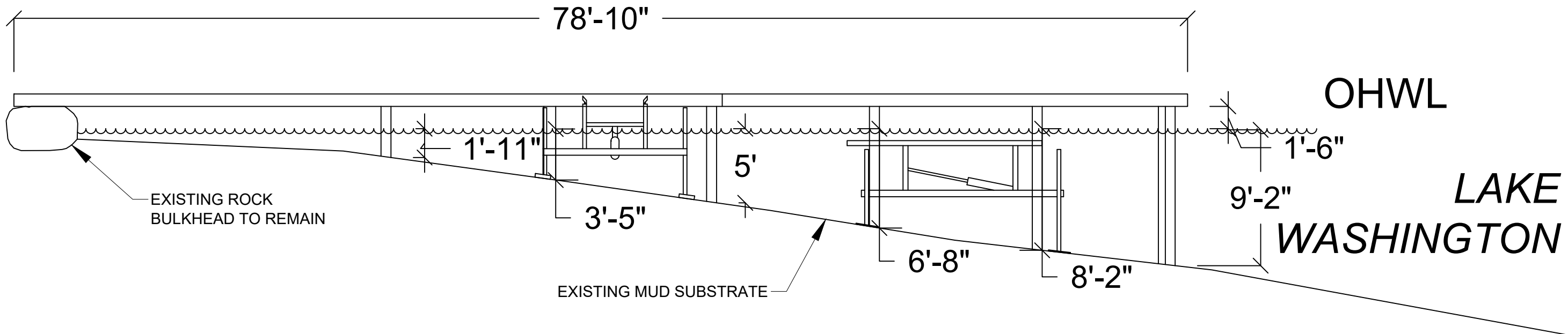
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9422 SE 33RD ST 98040

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**SHEET**  
**A4.0**

# PIER DETAILS PROPOSED



SECTION VIEW: A'-A'



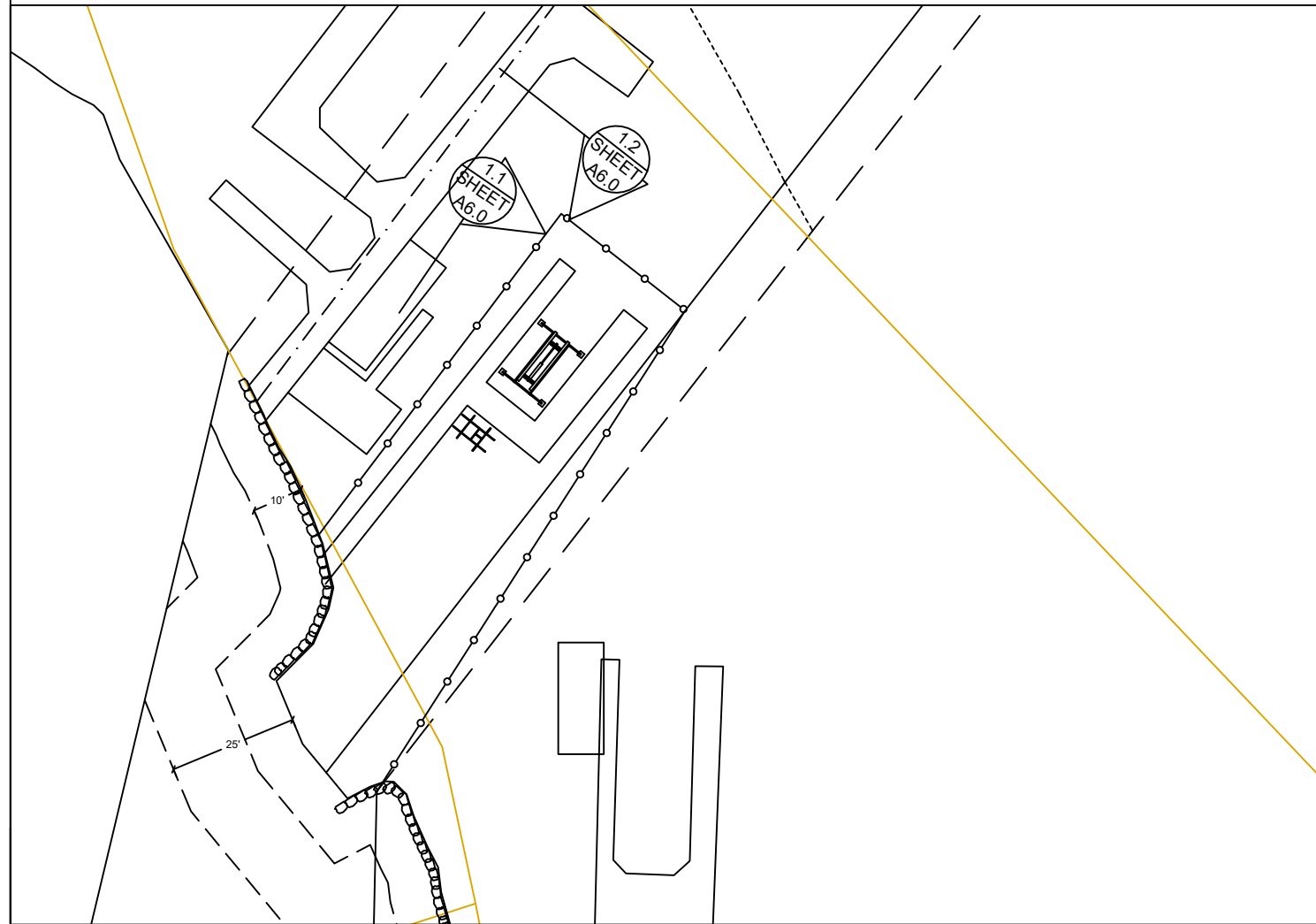
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 Last Updated: 10/12/2022 1:03 PM Zion

**SHEET**  
**A5.0**

# BMP INFORMATION

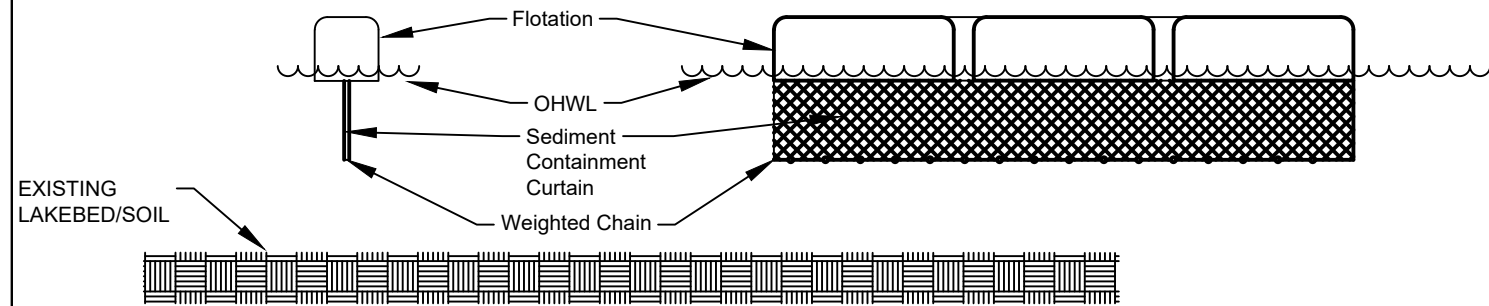


## BMP NOTES:

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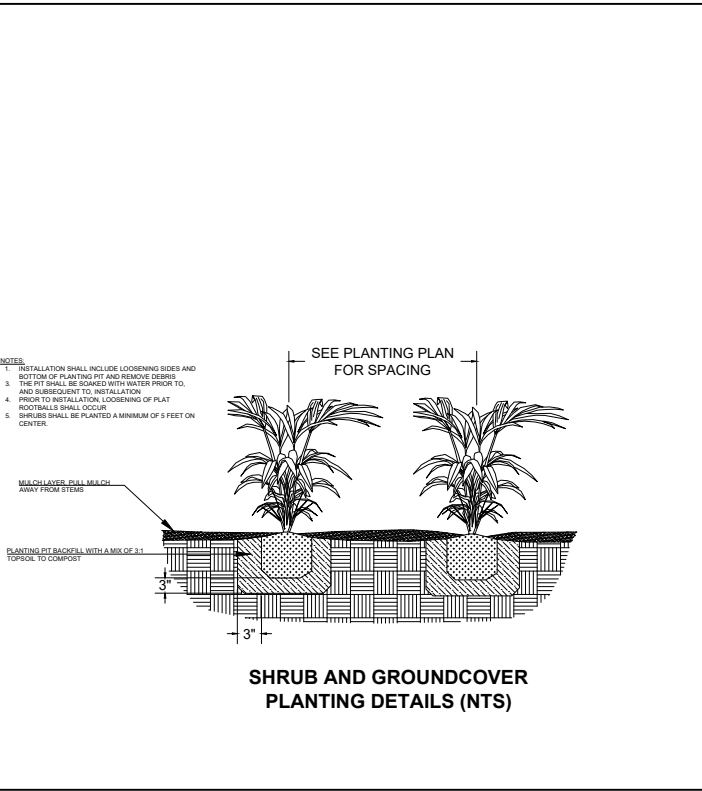
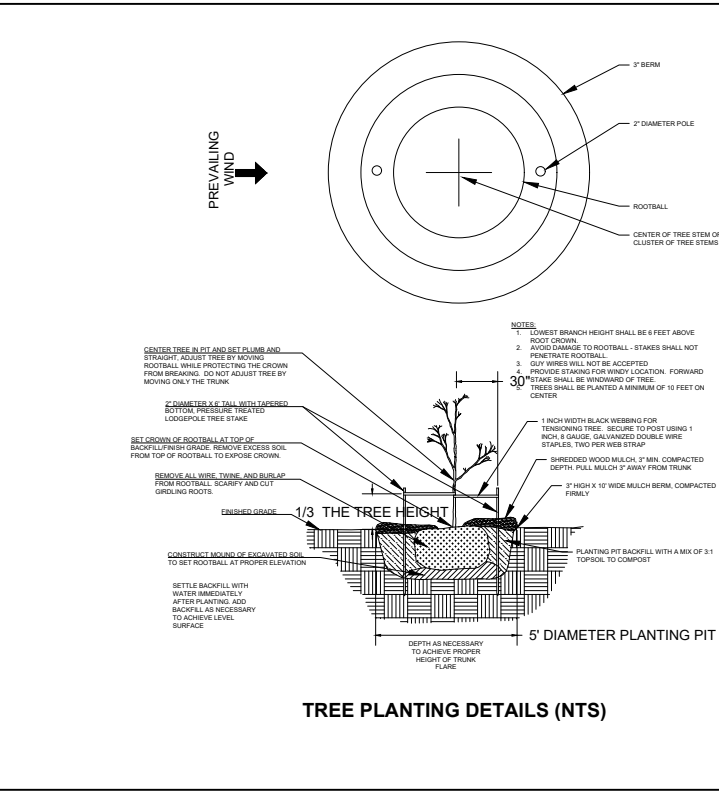
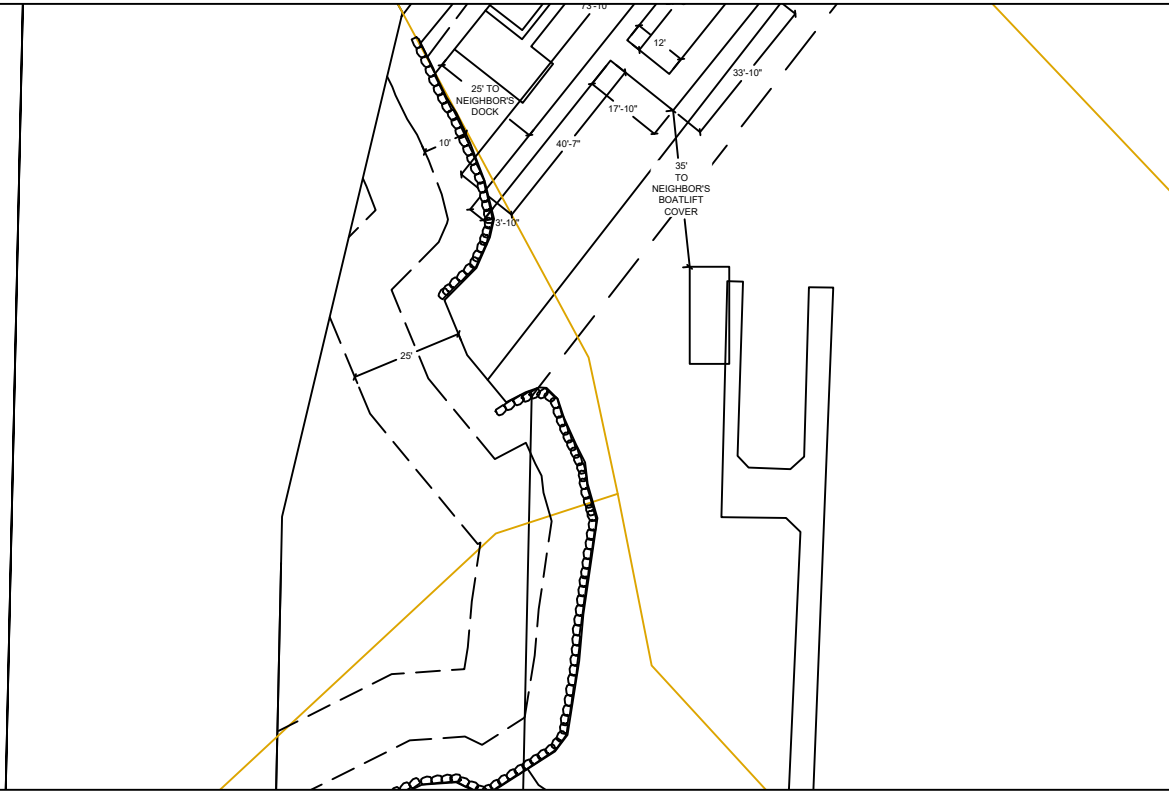
Adjacent Owners:  
GRIFFITH HAL E+JOANI I  
9410 SE 33RD ST 98040

Created:

Last Updated: 10/12/2022 1:03 PM Zion

**SHEET**  
**A6.0**

# 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 OTHERS

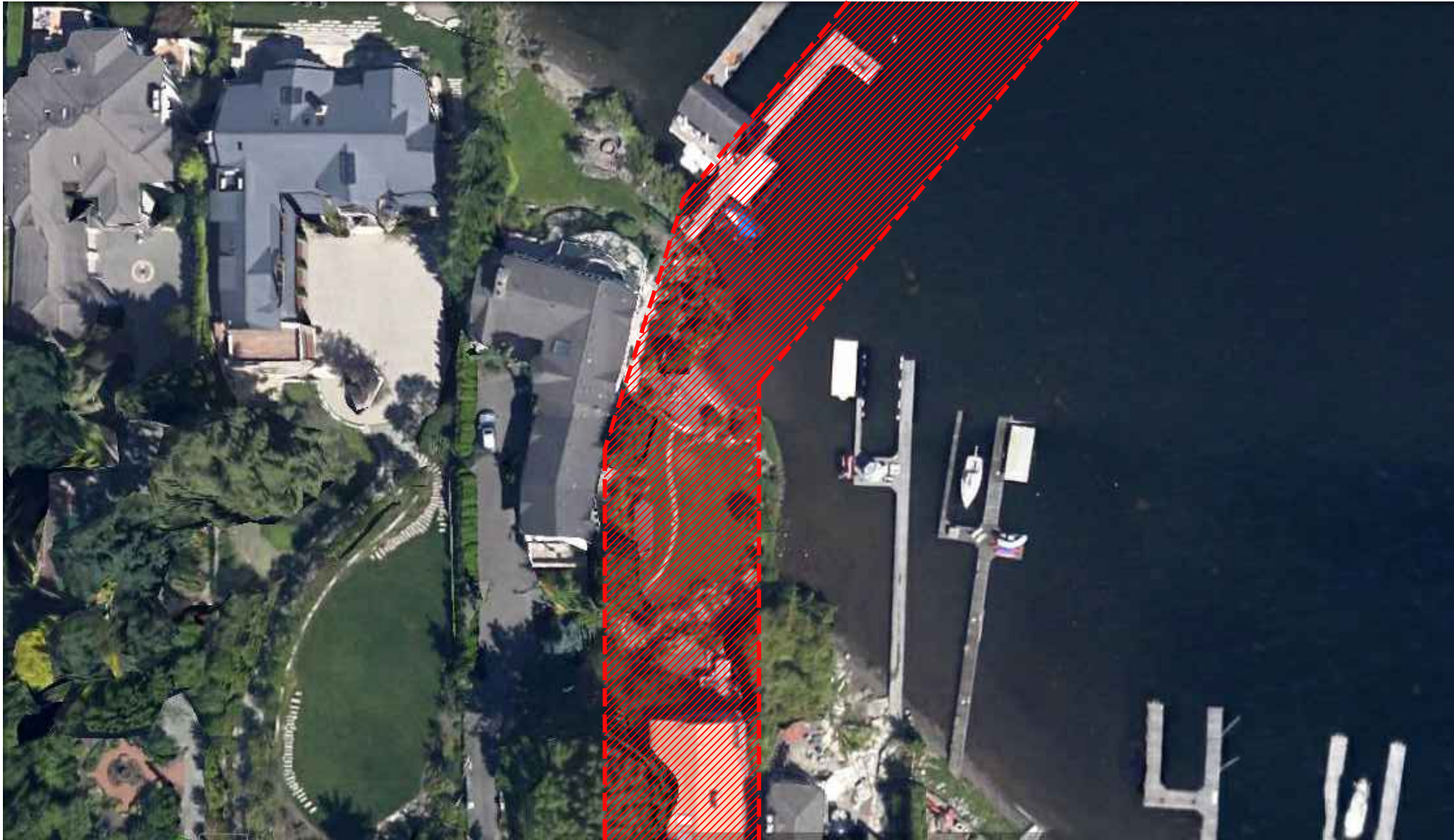
County: King County  
 Location: Lake Washington  
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**SHEET  
 A7.0**

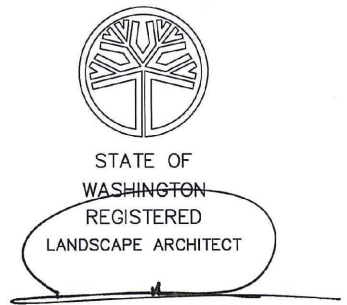


PROJECT #: NWS-2013-0565  
OCTOBER 10, 2022

CHERBERG  
PIER  
9418 SE 33RD STREET  
MERCER ISLAND, WA

# MITIGATION PLANTING PLAN

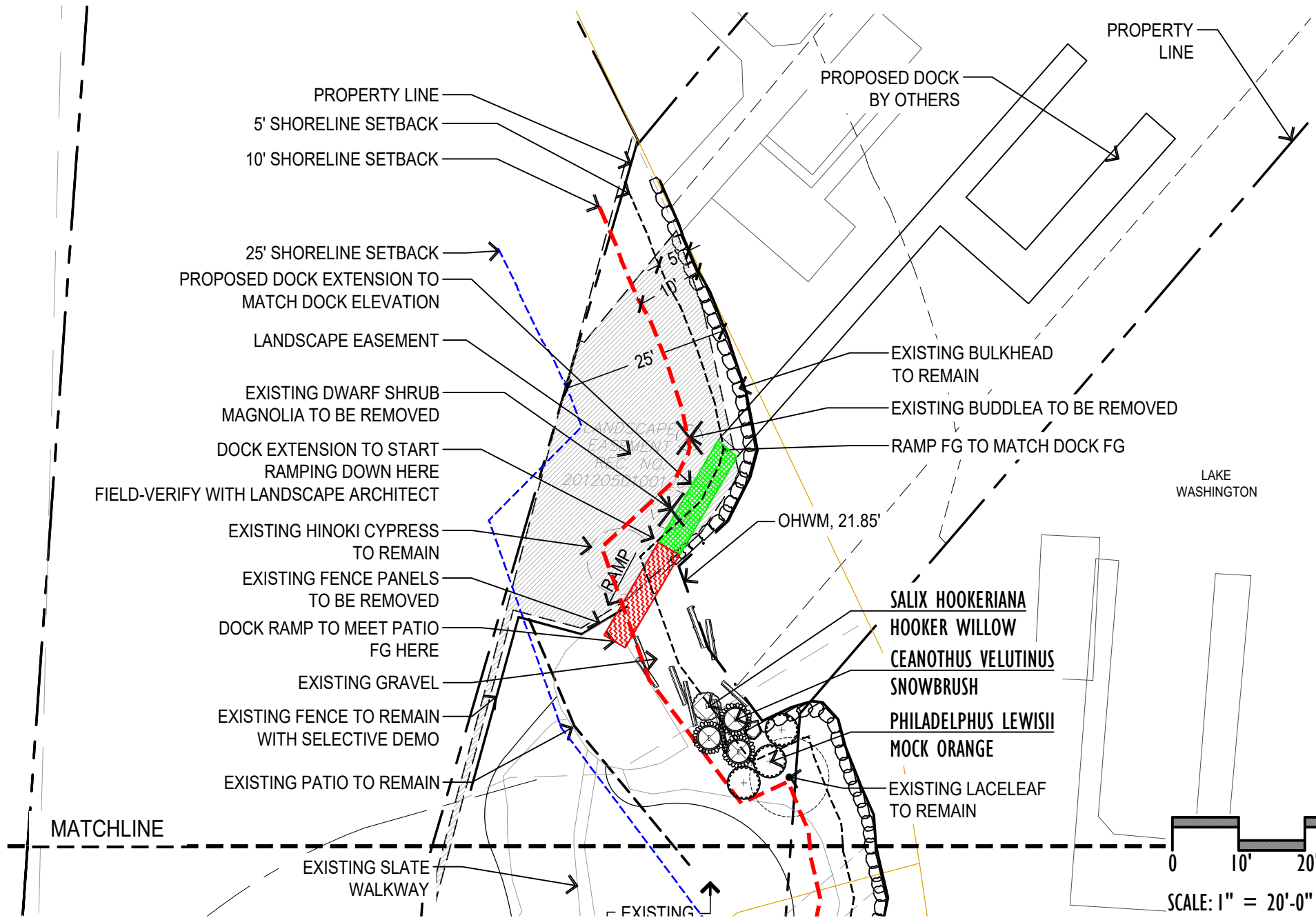
SHEET 9 OF 12



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

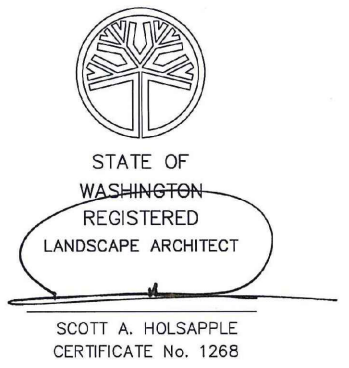
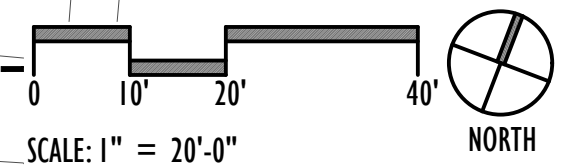




**REQUIRED PLANTING IN SHORELINE SETBACK**  
 MIN. NUMBER OF TREES REQUIRED: 7  
 NUMBER OF TREES PROVIDED: 5  
 MIN. NUMBER OF SHRUBS REQUIRED: 5  
 NUMBER OF SHRUBS PROVIDED: 7

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

- SALIX HOOKERIANA**  
HOOKER WILLOW
- CEANOTHUS VELUTINUS**  
SNOWBRUSH
- PHILADELPHUS LEWISII**  
MOCK ORANGE
- EXISTING LACELEAF TO REMAIN



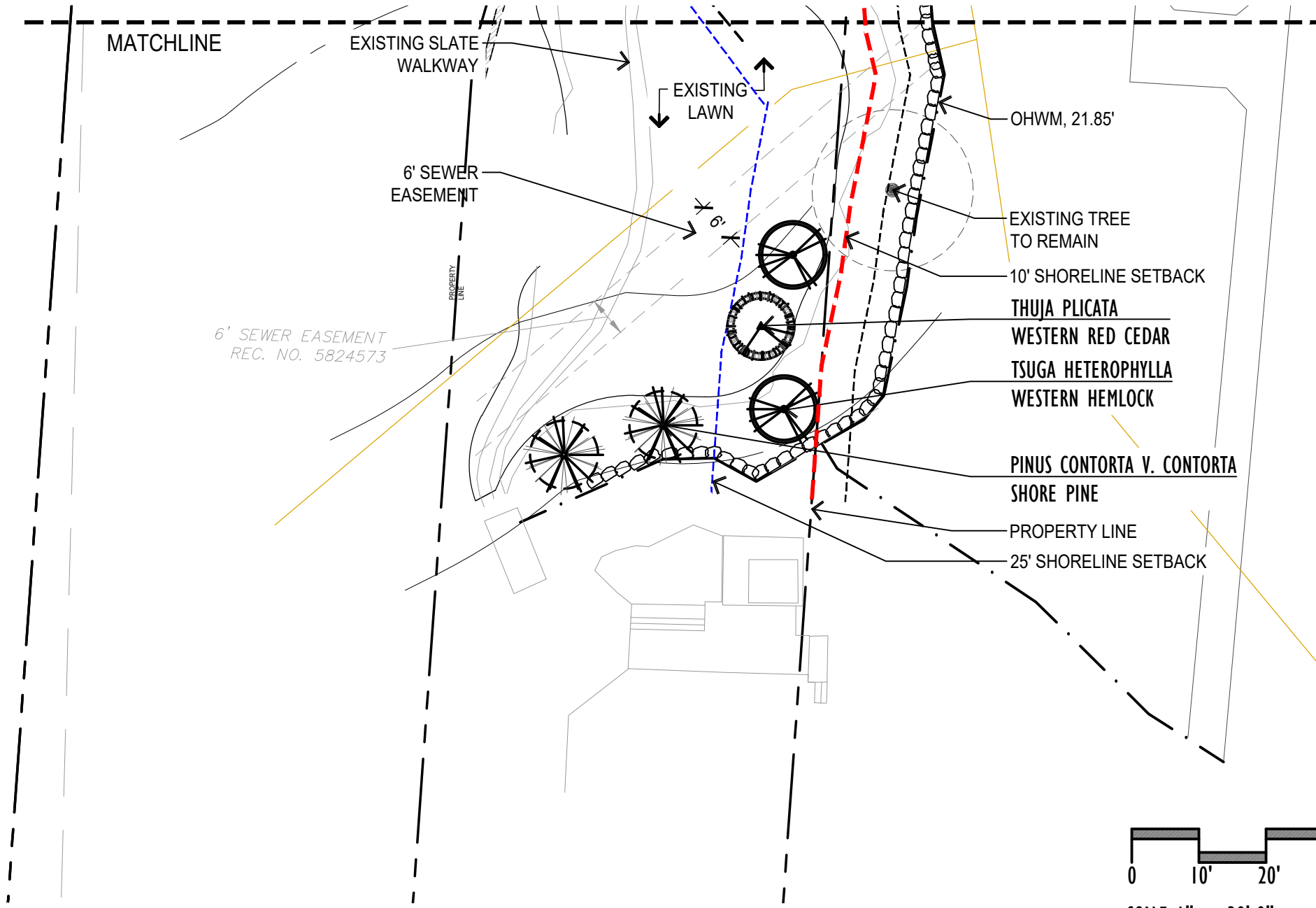
**CHERBERG PIER**  
 9418 SE 33RD STREET  
 MERCER ISLAND, WA

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

Date	Issue
Feb 25, 2022	PERMIT REVISION
Apr 20, 2022	PERMIT REVISION
June 15, 2022	PERMIT REVISION
October 10, 2022	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

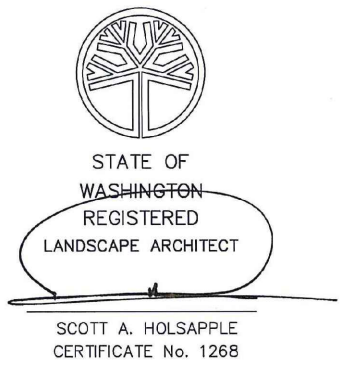
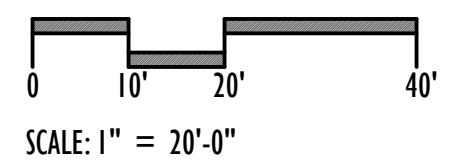


**REQUIRED PLANTING IN SHORELINE SETBACK**

MIN. NUMBER OF TREES REQUIRED: 7  
 NUMBER OF TREES PROVIDED: 5  
 MIN. NUMBER OF SHRUBS REQUIRED: 5  
 NUMBER OF SHRUBS PROVIDED: 7

**LEGEND**

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



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

**MITIGATION PLANTING PLAN**

project #: NWS-2013-0565

Date	Feb 25, 2022	Issue	PERMIT REVISION
	Apr 20, 2022		PERMIT REVISION
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**L1.1**

10 OF 11

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# CHERBERG PLANT SCHEDULE

QTY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
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## TREES



2	PINUS CONTORTA V. CONTORTA	SHORE PINE	6' HT.	FULL AND WELL ROOTED
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1	THUJA PLICATA	WESTERN RED CEDAR	6' HT.	FULL AND WELL ROOTED
---	---------------	-------------------	--------	----------------------



2	TSUGA HETEROPHYLLA	WESTERN HEMLOCK	6' HT.	FULL AND WELL ROOTED
---	--------------------	-----------------	--------	----------------------

## SHRUBS



3	CEANOTHUS VELUTINUS	SNOWBRUSH	2 GAL., 5' HT. 5' O.C., FULL & WELL ROOTED
---	---------------------	-----------	--



3	PHILADELPHUS LEWISII	MOCK ORANGE	2 GAL., 5' HT. 5' O.C., FULL & WELL ROOTED
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1	SALIX HOOKERIANA	HOOKER WILLOW	2 GAL., 5' HT. FULL AND WELL ROOTED
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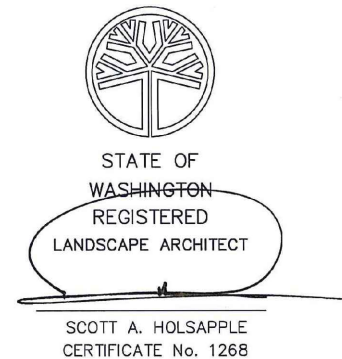
CHERBERG  
PIER  
9418 SE 33RD STREET  
MERCER ISLAND, WA

MITIGATION  
PLANTING SCHEDULE  
project #: NWS-2013-0565

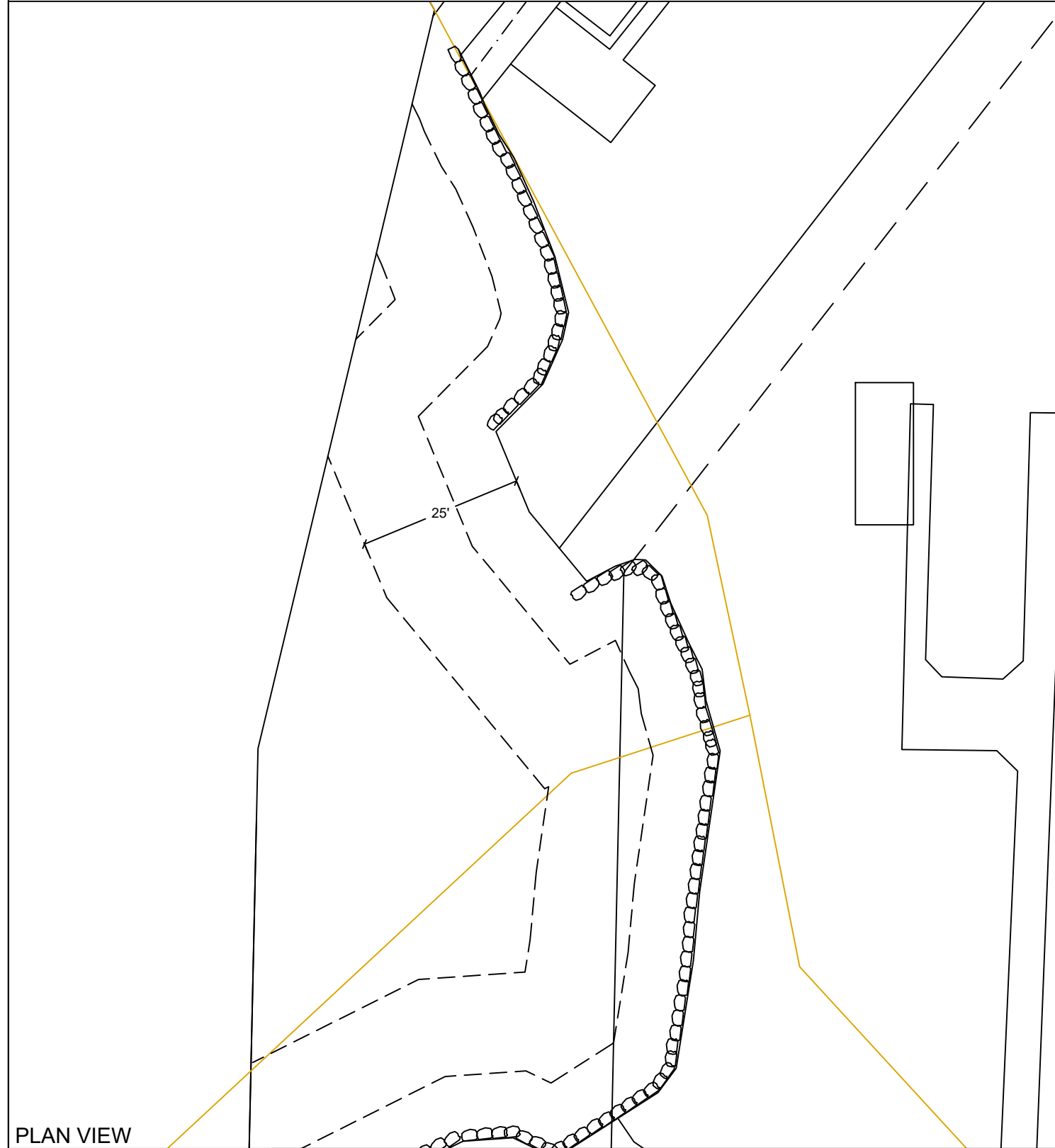
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L2.0  
11 OF 11

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# EXISTING PLANT PLAN



**SEE LANDSCAPE PLAN  
BY OWNER**

PLAN VIEW



Seaborn Pile Driving  
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Scope of Work: We propose to drive (20) 8" steel piles and construct a new dock with grated decking material. We also propose to install (1) new boat lift and (1) new PWC lift.

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Location: Lake Washington

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9422 SE 33RD ST 98040

Created:

Last Updated: 10/12/2022 1:03 PM Zion

**SHEET  
A12.0**

# GENERAL NOTES:

**MATERIALS SPEC LIST:**

**Lifts: Aluminum**

- \* Boat Lift - 10'x12'
- \* PWC Lift - 5'x8'

**Decking Material:** FRPP - Fiberglass reinforced polypropylene

Light permeable percentage:

- \* Surface - 43%
- \* 18" Dock Height - 61%

**SEWER:**

- \* All sewer is field verified by probing the lake bed manually during the allowed work windows for the area.

**PILES:**

- \* All new piles are epoxy coated steel piles \*size varies, see plan set
- \* Piles are driven using the vibro method

**CODE REFERENCES:** Mercer Island

**We are applying for the permit to be reviewed under the:**  
 "Development Standards for New and Expanded Moorage Facilities" per MIMC 19.13050(F)(1).

F. Moorage Facilities. All permits for new and expanded moorage facility, other than public access piers or boardwalks, shall meet the following standards unless otherwise exempted. Moorage facilities have the option of meeting either the development standards prescribed in subsection (F)(1) or (F)(2) of this section, or the "alternative development standards" in subsection (F)(3) of this section.

1. Development Standards for New and Expanded Moorage Facilities. A proposed moorage facility shall be presumed to not create a net loss of ecological functions pursuant to subsection (B)(2) of this section if:

**No net loss report is attached**

i. The surface coverage area of the moorage facility is:

**Not applicable**

a. Four hundred eighty square feet or less for a single property owner;

**Not applicable**

b. Seven hundred square feet or less for two residential property owners (residential); or

**Not applicable**

c. One thousand square feet or less for three or more residential property owners;

**Not applicable**

ii. Piers, docks, and platform lifts must be fully grated with materials that allow a minimum of 40 percent light transmittance;

**Grated decking material is 43% light permeable**

iii. Vegetation. The code official approves a vegetation plan that conforms to the following:

Ch. 19.13 Shoreline Master Program | Mercer Island City Code Page 27 of 34

The Mercer Island City Code is current through Ordinance 20C-13, passed June 16, 2020.

Vegetation must be planted as provided in Figure C and as follows: Within the 25-foot shoreline setback, a 20-foot vegetation area shall be established, measured landward from the OHWM. Twenty-five percent of the area shall contain vegetation coverage. The five feet nearest the OHWM shall contain at least 25 percent native vegetation coverage. A shoreline vegetation plan shall be submitted to the city for approval. The vegetation coverage shall consist of a variety of ground cover shrubs and trees, excluding nonnative grasses. No plants on the current King County noxious weed lists shall be planted within the shorelands.

Figure C: Vegetation Plan

iv. Only docks, ramps, and boatlifts may be within the first 30 feet from the OHWM. No skirting is allowed on any structure;

**No skirting is being installed**

v. The height above the OHWM for docks shall be a minimum of one and one-half feet and a maximum of five feet;

**The dock will be installed at 1'-6" above OHWM**

vi. The first in-water (nearest the OHWM) set of pilings shall be steel, 10 inches in diameter or less, and at least 18 feet from the OHWM. Piling sets beyond the first shall also be spaced at least 18 feet apart and shall not be greater than 12 inches in diameter. Piles shall not be treated with pentachlorophenol, creosote, CCA or comparably toxic compounds. If ammoniacal copper zinc arsenate (ACZA) pilings are proposed, the applicant shall meet all of the best management practices, including a post-treatment

procedure, as outlined in the amended Best Management Practices of the Western Wood Preservers. All piling sizes are in nominal diameter;

**The piles are within the constrictions above**

vii. Any paint, stain or preservative applied to components of the dock must be leach resistant, completely dried or cured prior to installation. Materials shall not be treated with pentachlorophenol, creosote, CCA or comparably toxic compounds;

**Piles are epoxy coated steel**

Ch. 19.13 Shoreline Master Program | Mercer Island City Code Page 28 of 34

The Mercer Island City Code is current through Ordinance 20C-13, passed June 16, 2020.

viii. No more than two mooring piles shall be installed per structure. Joint-use structures may have up to four mooring piles. The limits include existing mooring piles. Moorage piling shall not be installed within 30 feet of the OHWM. These piles shall be as far offshore as possible;

**No mooring piles are to be driven**

ix. The applicant shall abide by the work windows for listed species established by the U.S. Army Corps of Engineers and Washington Fish and Wildlife; and

**Work will be done within the work windows**

x. Disturbance of bank vegetation shall be limited to the minimum amount necessary to accomplish the project. Disturbed bank vegetation shall be replaced with native, locally adapted herbaceous and/or woody vegetation. Herbaceous plantings shall occur within 48 hours of the completion of construction. Woody vegetation components shall be planted in the fall or early winter, whichever occurs first. The applicant shall take appropriate measures to ensure revegetation success.

**No bank vegetation will be disturbed**

Last permit issued for property:

Dock established/constructed: date

County: King County  
 Location: Lake Washington  
 Applicant: Cherberg Residence  
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 Mercer Island, WA 98040  
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**SHEET  
 A13.0**

Plotted: May 02, 2022 - 12:46pm ktran Layout: CHB1\_S1.1 - STRUCTURAL NOTES  
 N: \2021\2100134 Seaborn Pile Driving On-Call\2022 Projects\005\Cherberg, James\KPF Drawings\CURRENT\CHB1\_S1.1 - STRUCTURAL NOTES.dwg

## GENERAL

- ALL CONSTRUCTION SHALL CONFORM TO THESE PLANS.
- 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 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 METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES REQUIRED TO PERFORM THE WORK.
- ALL MATERIALS SHALL BE NEW, UNO.
- 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 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.
- 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.
- AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) STANDARD 7-16 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.
- WOOD WORK SHALL CONFORM TO THE NATIONAL DESIGN SPECIFICATION (NDS) 2018 EDITION.
- AMERICAN SOCIETY FOR TESTING AND MATERIALS, CURRENT EDITION

## DESIGN CRITERIA

GRAVITY LOADS: LIVE LOAD = 40 PSF  
SNOW LOAD = 25 PSF + 5 PSF RAIN ON SNOW SURCHARGE

WIND DESIGN: WIND LOAD IS BASED ON ASCE 7 CHAPTER 29 WITH THE FOLLOWING FACTORS

EXPOSURE CATEGORY = D RISK CATEGORY = II  
V<sub>3s</sub> = 98 MPH WIND IMPORTANCE FACTOR, I<sub>w</sub> = 1.0

DESIGN VESSEL IS 30' LONG WITH MAX SAIL AREA OF 345 SF

WAVE LOADS: P = 328 LBS PER PILE

SEISMIC LOADS: DOCK PILING R = 2.0  
SEISMIC IMPORTANCE = 1.0  
SD1 = 0.597 g

THE PORTION OF DOCK OF WIDTH 6'-5" HAS NOT BEEN DESIGNED FOR WIND ON VESSEL LOADS AND IS INTENDED TO ONLY BE USED AS A BERTHING GUIDE OR WALKING SURFACE. THE VESSEL SHALL BE PRIMARILY MOORED TO THE MAIN DOCK UTILIZING MOORING FIXTURES CONSISTENT WITH THE OWNER'S MOORAGE PLAN FOR SAFE VESSEL MOORAGE. CLEATS SHALL NOT BE INSTALLED ON THIS PORTION OF THE DOCK.

## STRUCTURAL STEEL

- ALL MISCELLANEOUS STEEL SHAPES AND PLATES, EXCEPT AS NOTED BELOW, SHALL CONFORM TO ASTM 36.
- ALL WF SHAPES SHALL CONFORM TO ASTM A992, F<sub>y</sub> = 50 KSI
- ALL PILES SHALL CONFORM TO ASTM A252 GRADE 3, F<sub>y</sub> = 45 KSI
- ALL BOLTS SHALL BE ASTM A307, UNO.
- ALL NUTS SHALL BE ASTM A563, UNO.
- ALL WASHERS SHALL BE ASTM F436, UNO.
- ALL THREADED RODS SHALL CONFORM TO ASTM F1554, GRADE 36.
- ALL STEEL MEMBERS AND FASTENERS THAT ARE NOT EPOXY COATED SHALL BE HOT 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 WABO.
- 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.
- WELDING ELECTRODES SHALL BE 70 KSI STRENGTH AND SHALL BE "LOW-HYDROGEN ELECTRODES."

## WOOD

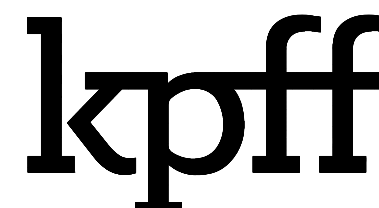
- EACH PIECE OF LUMBER SHALL BEAR A STAMP INDICATING A GRADE MARK OF THE WEST COAST LUMBER INSPECTION BUREAU (WCLIB), WESTERN WOOD PRODUCTS ASSOCIATION (WWPA), OR OTHER AGENCY ACCREDITED BY THE AMERICAN STANDARD COMMITTEE (ALSC).
- DIMENSION LUMBER SHALL BE P.T. DOUG-FIR NO 2 OR BETTER.
- STRUCTURAL GLUED LAMINATED TIMBER SHALL BE ALASKAN CEDAR AC.AC 20F-V12.
- WOOD SHALL BE SEASONED DRY WITH A MAXIMUM MOISTURE CONTENT OF 19%.
- 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 1/16" LARGER THAN THE BOLT DIAMETER. PROVIDE PLATE WASHERS WHERE NUTS, BEAR ON WOOD. CUT WASHERS SHALL MEASURE 2 1/4"Ø x 3/16" THICK.

## DECKING

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

## ABBREVIATIONS

⊙	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
INT	INTERMEDIATE
LLH	LONG LEG HORIZONTAL
MIN	MINIMUM
MNFR	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
VIF	VERIFY IN FIELD
WABO	WASHINGTON ASSOCIATION OF BUILDING OFFICIALS
WF	WIDE FLANGE
W/	WITH



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NO.	DATE	BY	REVISION

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9418 SE 33RD STREET MERCER ISLAND, WA 98040

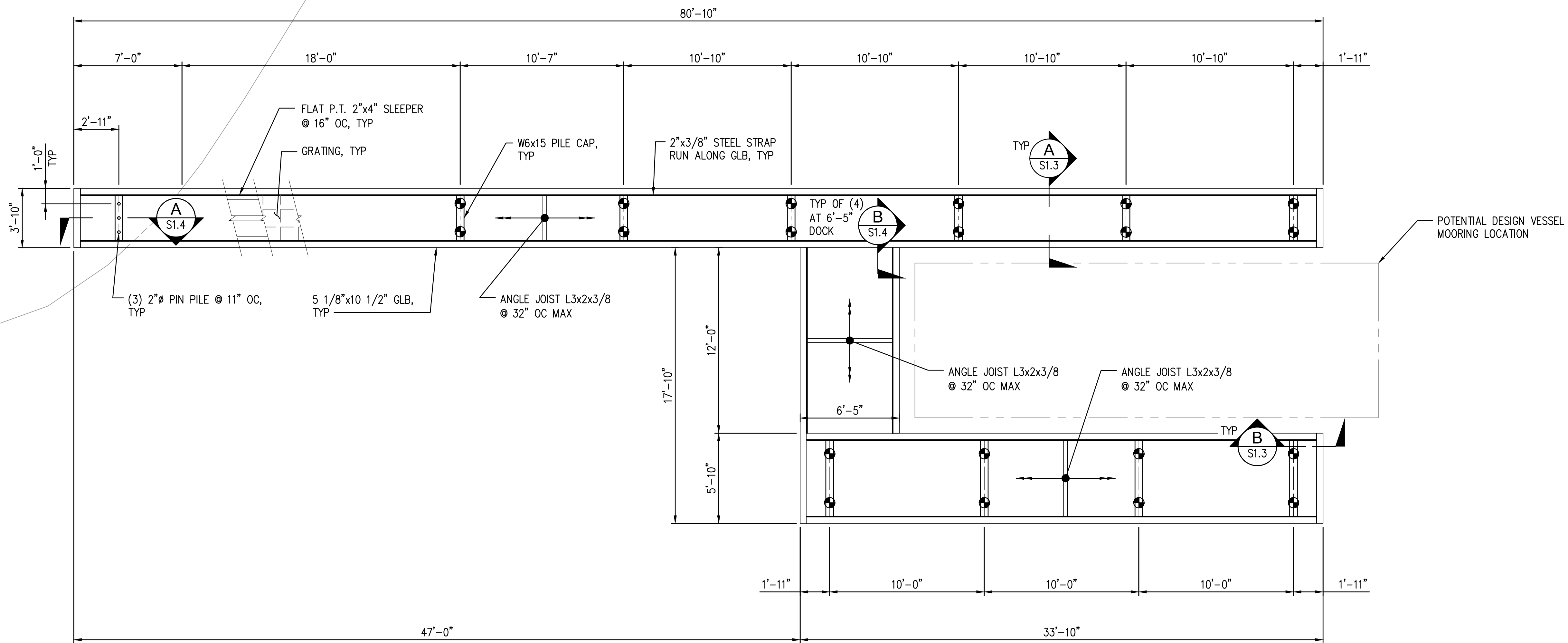
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**STRUCTURAL NOTES**

DRAWN: KPT	PROJECT NO.: 2100134
DESIGN: KPT	SCALE: AS SHOWN
CHECKED: AWB	DATE: 05/04/2022
DRAWING NO.	S1.1
SHEET NO.	01 OF 04

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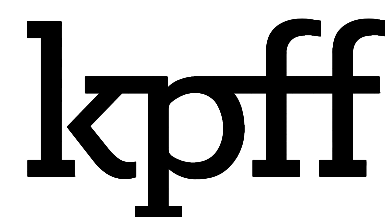
Plotted: May 02, 2022 - 1:33pm ktran Layout: CHB2\_S1.2 - FRAMING PLAN  
 N: \2021\2100134 Seaborn Pile Driving On-Call\2022 Projects\005 Cherberg, James\KPF Drawings\CURRENT\CHB2\_S1.2 - FRAMING PLAN.dwg



**FRAMING PLAN**  
SCALE: 1/4" = 1'-0"

**LEGEND**

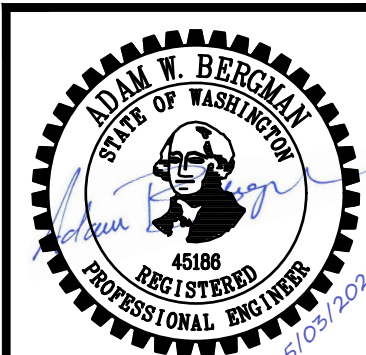
- (20) PROPOSED 8"Ø STEEL PIPE PILE, WITH MINIMUM EMBEDMENT OF 14'. THE ENGINEER SHALL BE NOTIFIED IF PILE REACHES REFUSAL BEFORE 14'.



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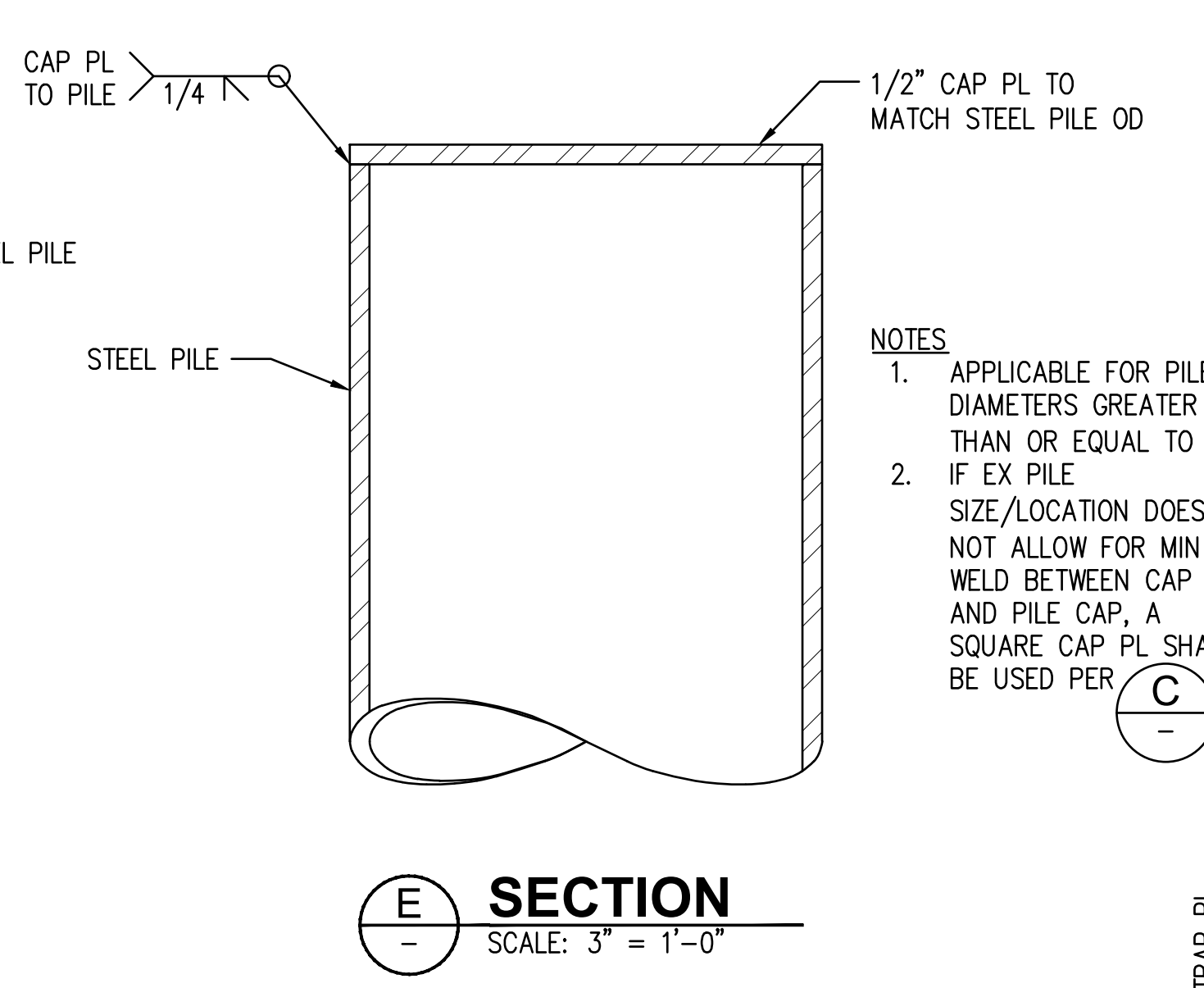
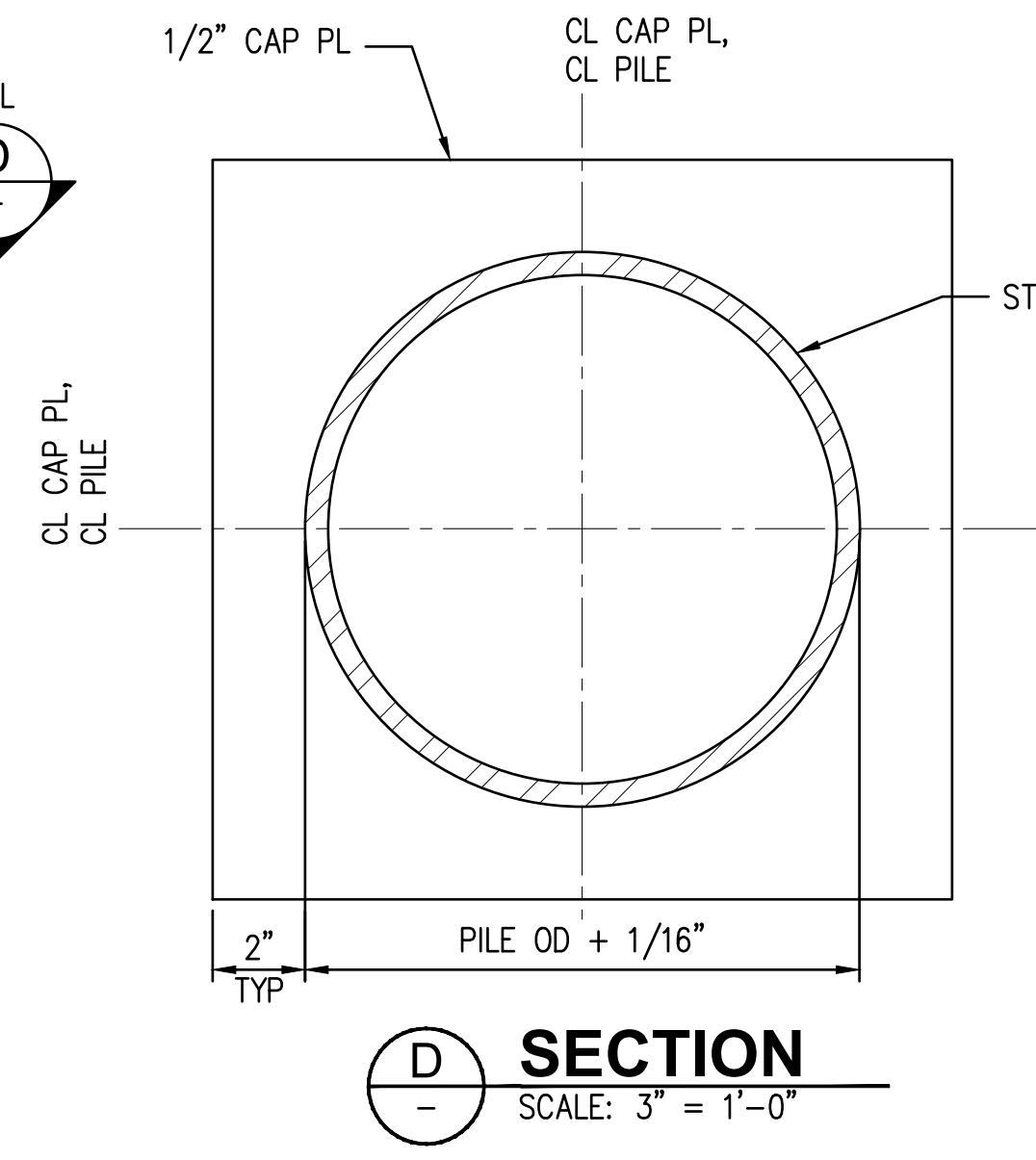
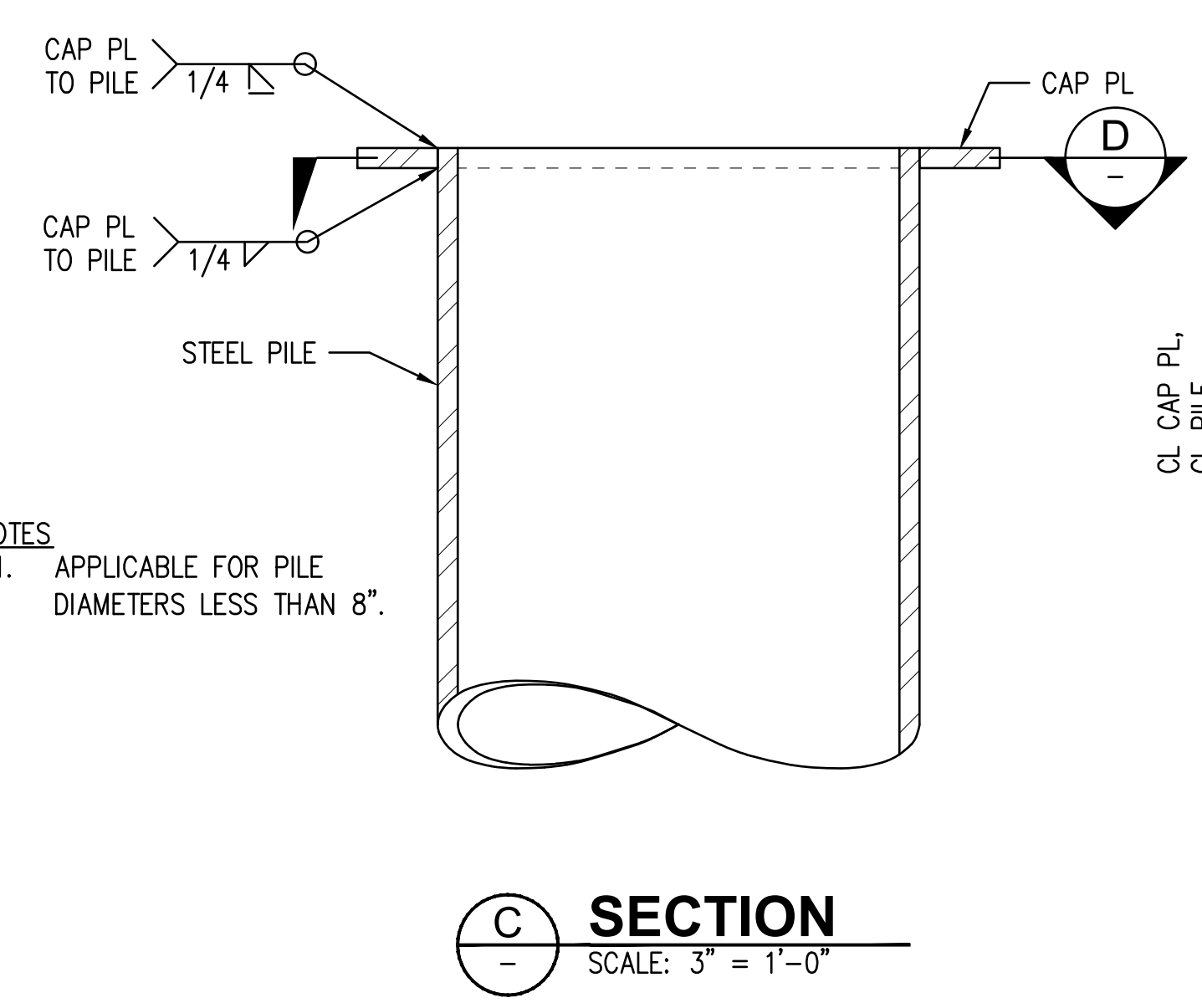
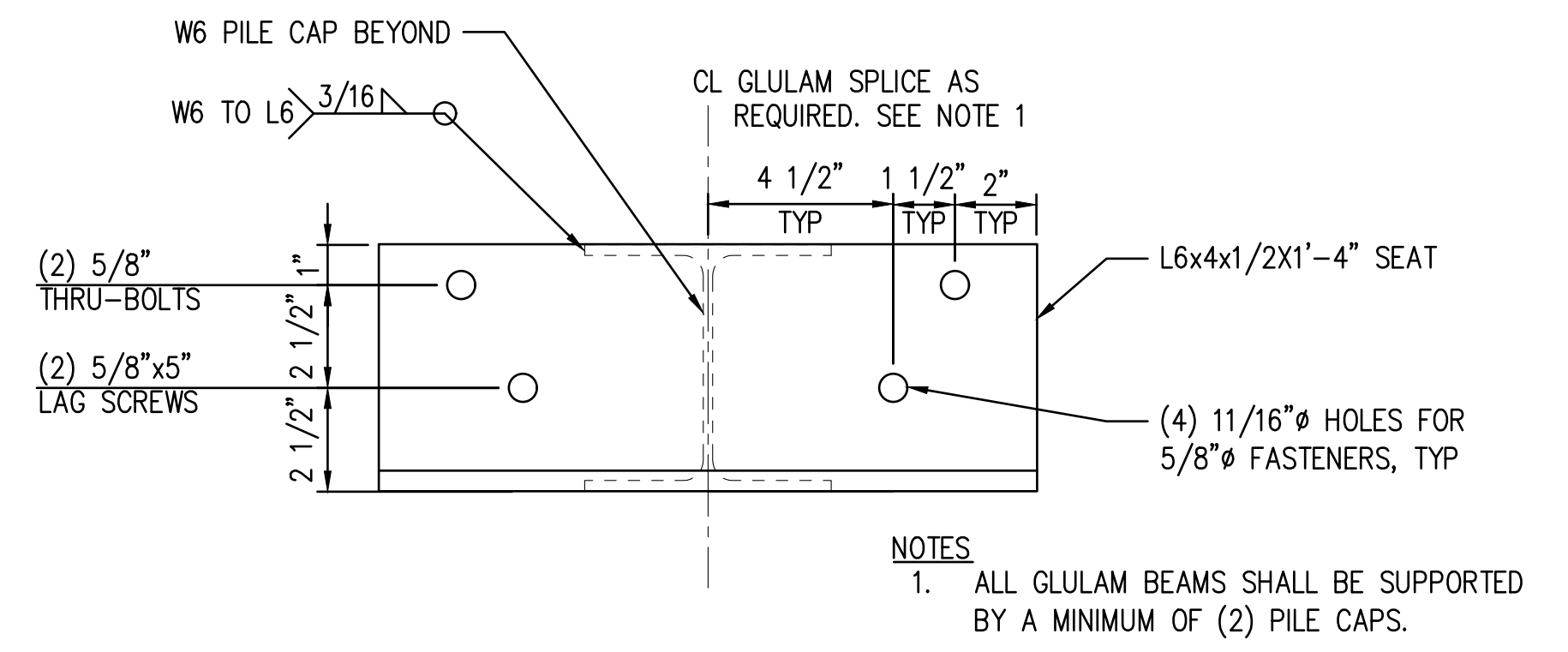
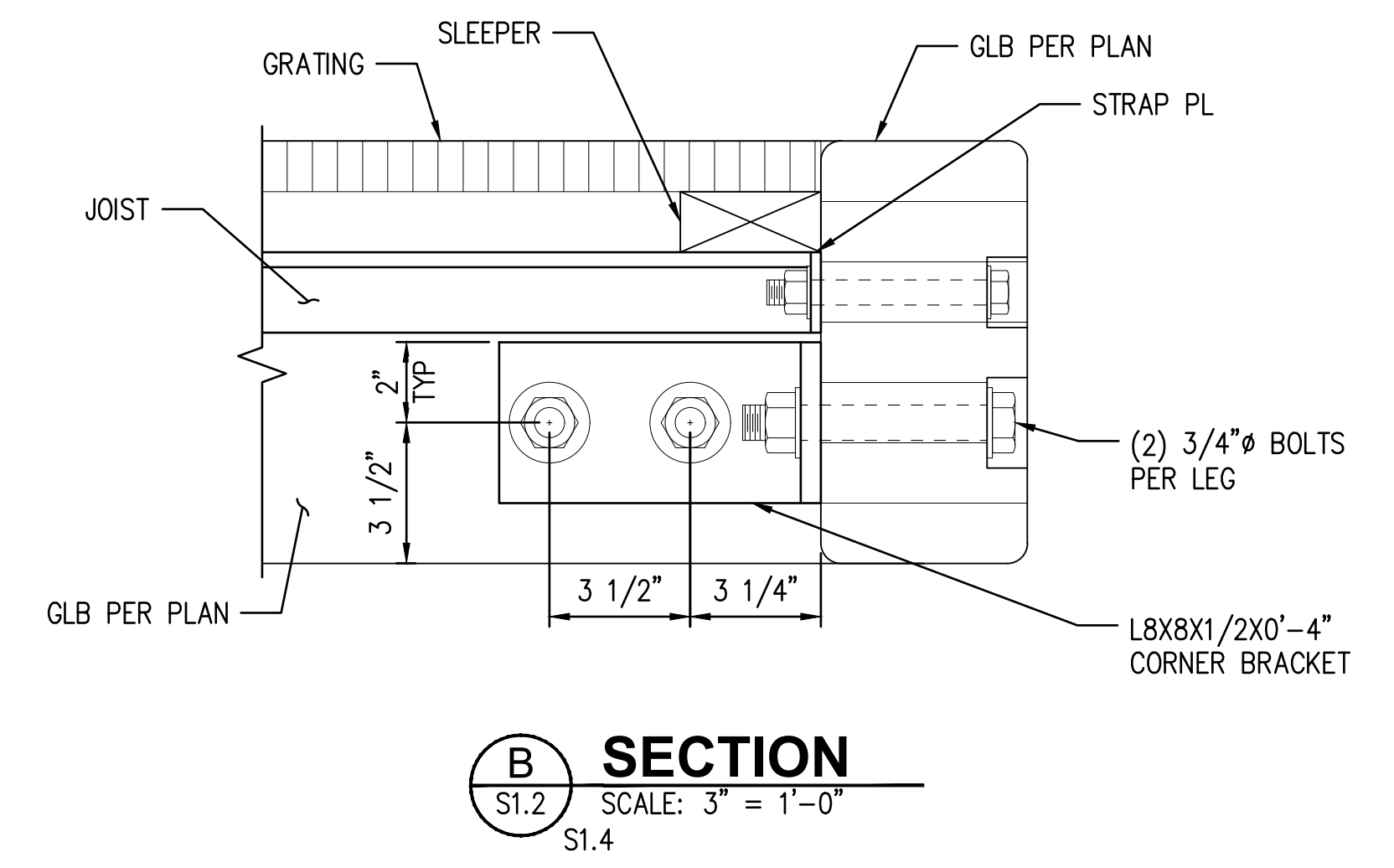
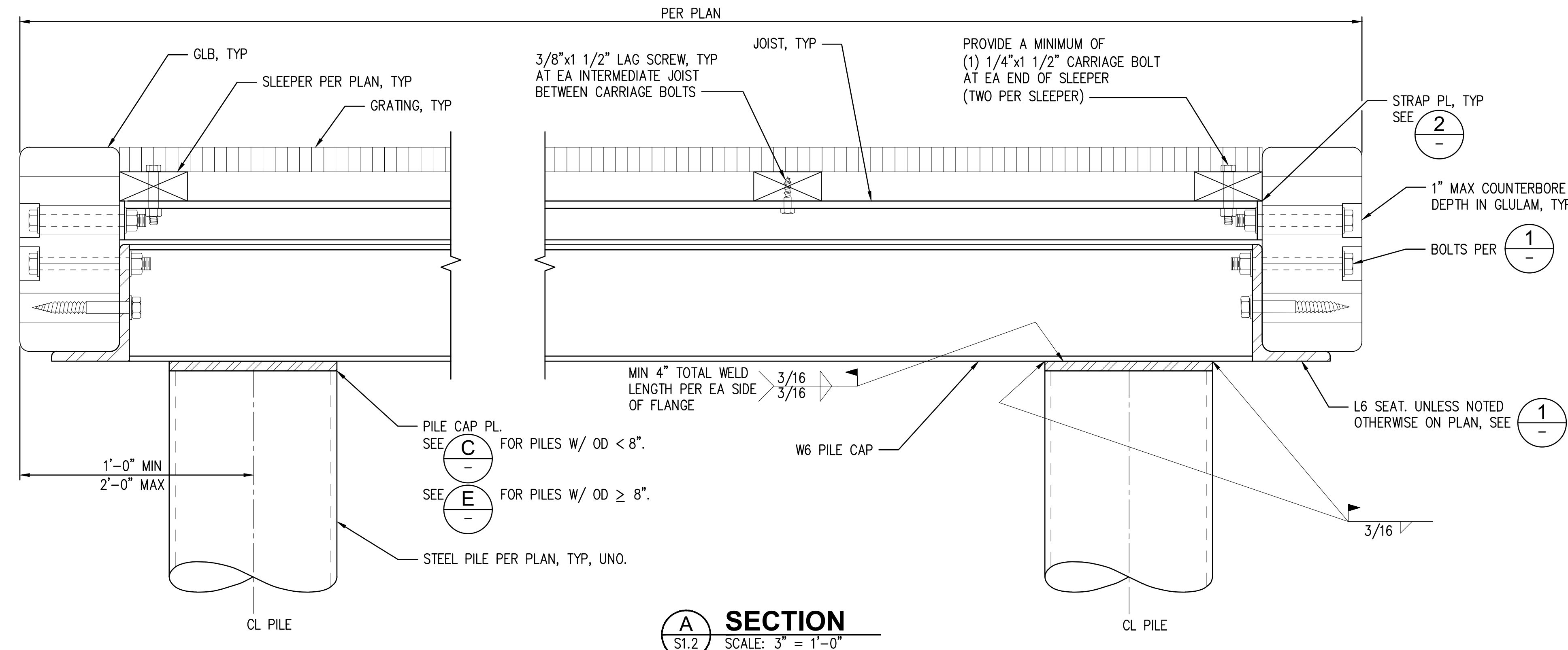
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**DECK FRAMING PLAN**

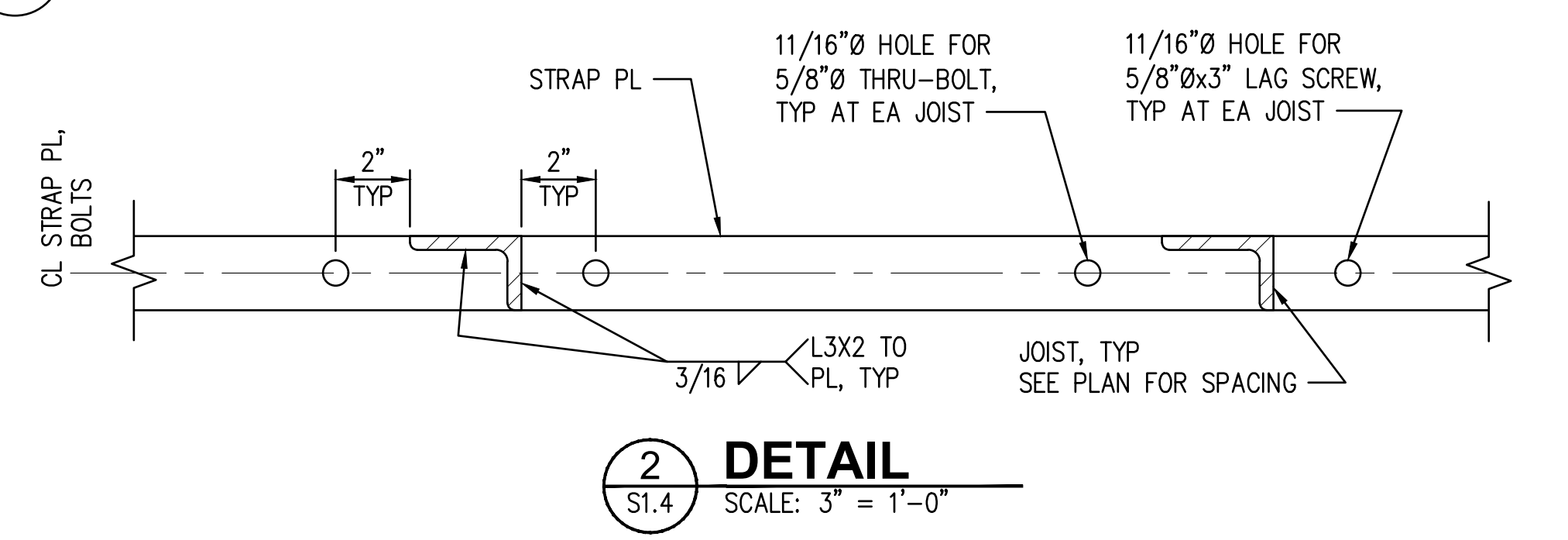
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CHECKED: AWB	DATE: 05/04/2022
DRAWING NO.	<b>S1.2</b>
SHEET NO.	<b>02 OF 04</b>

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Plotted: May 02, 2022 - 12:47pm ktran Layout: CHB3\_S1.3 - SECTIONS AND DETAILS  
 N: \2021\2100134 Seaborn Pile Driving On-Call\2022 Projects\005 Cherberg, James\KPF Drawings\CURRENT\CHB3\_S1.3 - SECTIONS AND DETAILS.dwg



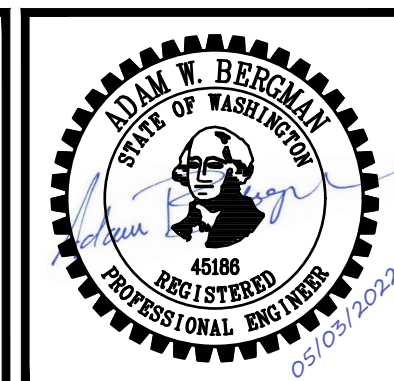
**NOTES**  
 1. APPLICABLE FOR PILE  
 DIAMETERS GREATER  
 THAN OR EQUAL TO 8".  
 2. IF EX PILE  
 SIZE/LOCATION DOES  
 NOT ALLOW FOR MIN 4"  
 WELD BETWEEN CAP PL  
 AND PILE CAP, A  
 SQUARE CAP PL SHALL  
 BE USED PER C



**NOTES**  
 1. APPLICABLE FOR PILE  
 DIAMETERS LESS THAN 8".



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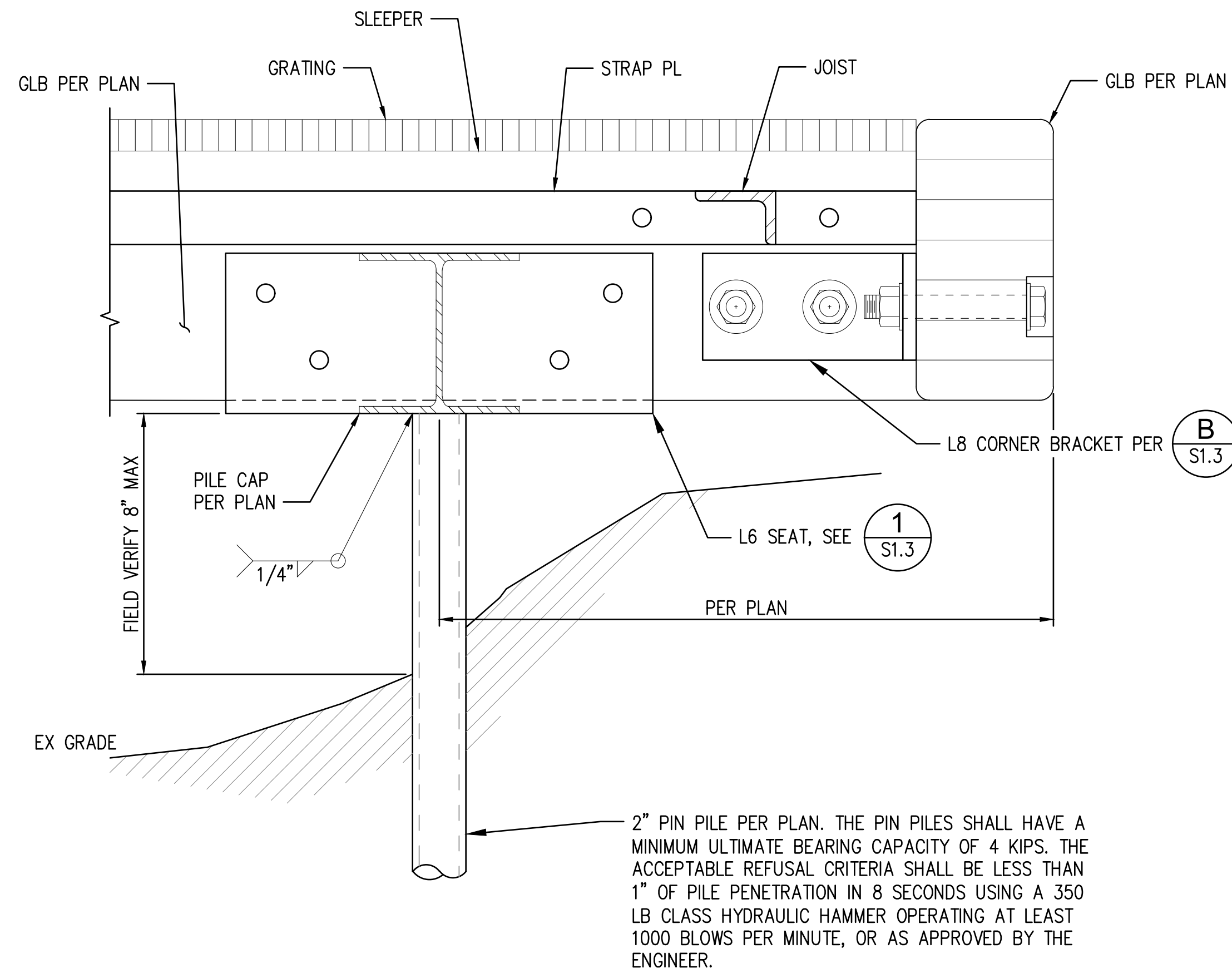
**SECTIONS AND DETAILS**

DRAWN: KPT	PROJECT NO.: 2100134
DESIGN: KPT	SCALE: AS SHOWN
CHECKED: AWB	DATE: 05/04/2022
DRAWING NO.	<b>S1.3</b>
SHEET NO.	<b>03 OF 04</b>

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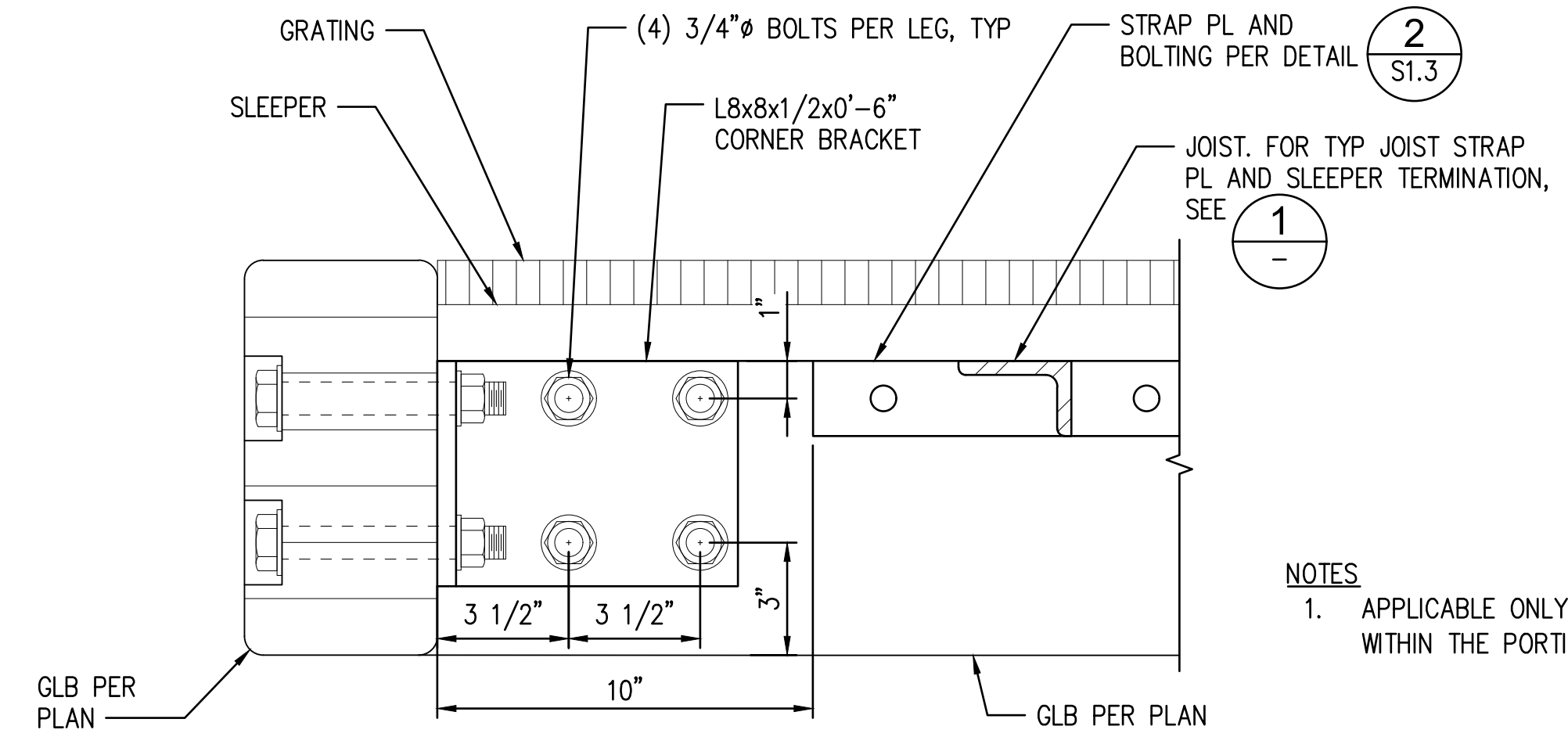


Plotted: May 02, 2022 - 1:35pm ktran Layout: CHB4\_S1.4 - SECTIONS AND DETAILS  
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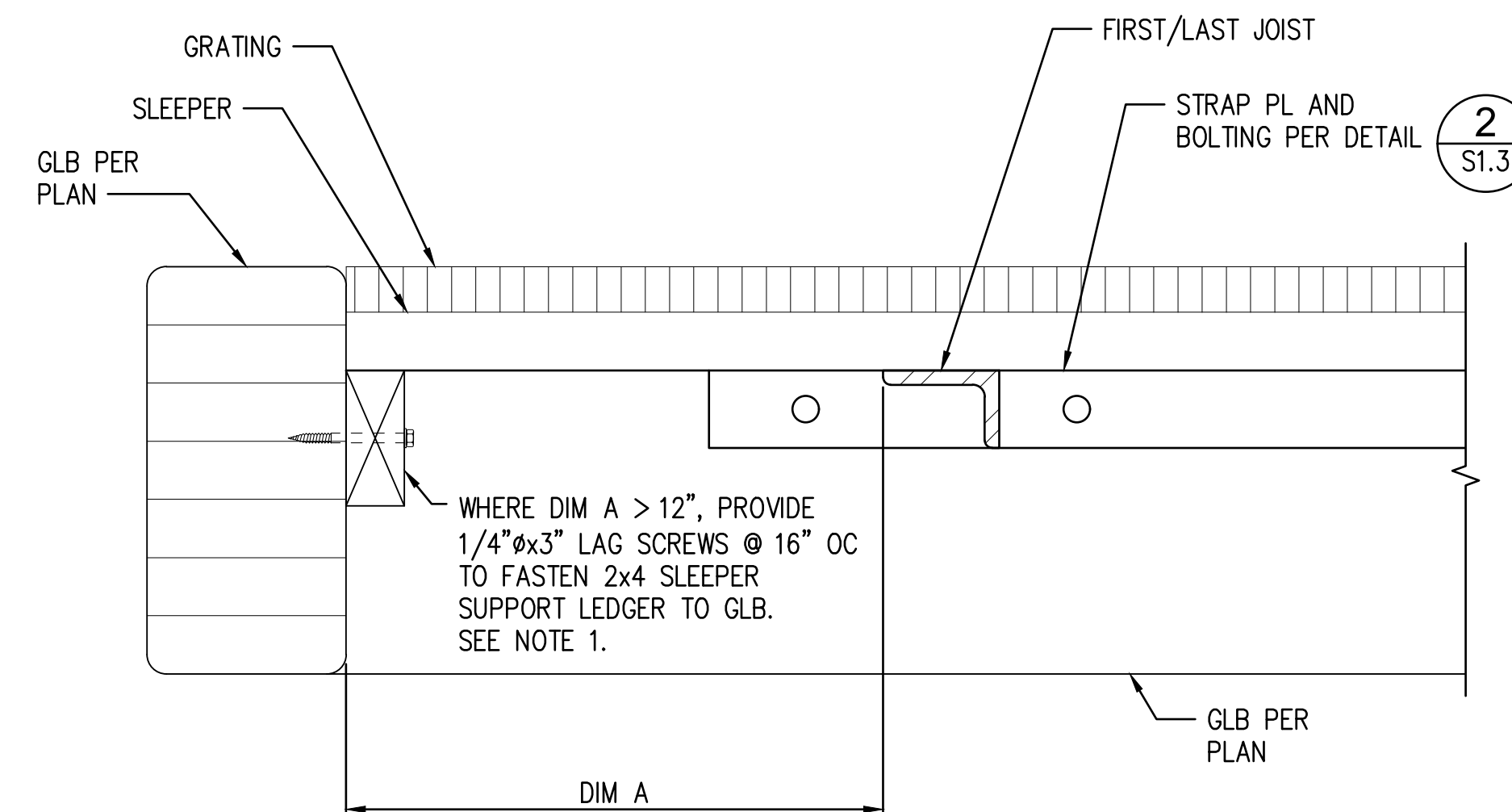
**A SECTION**  
 S1.2 SCALE: 3" = 1'-0"

2" PIN PILE PER PLAN. THE PIN PILES SHALL HAVE A MINIMUM ULTIMATE BEARING CAPACITY OF 4 KIPS. THE ACCEPTABLE REFUSAL CRITERIA SHALL BE LESS THAN 1" OF PILE PENETRATION IN 8 SECONDS USING A 350 LB CLASS HYDRAULIC HAMMER OPERATING AT LEAST 1000 BLOWS PER MINUTE, OR AS APPROVED BY THE ENGINEER.



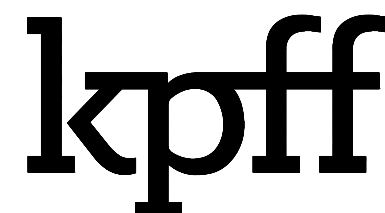
**B SECTION**  
 S1.2 SCALE: 3" = 1'-0"

**NOTES**  
 1. APPLICABLE ONLY AT (4) CORNER CONNECTIONS WITHIN THE PORTION OF DOCK OF WIDTH 6'-5".

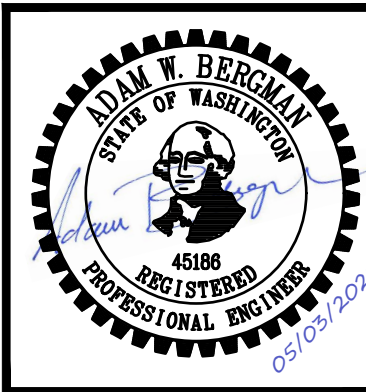


**NOTES**  
 1. 2x4 SLEEPER SUPPORT MAY BE PROVIDED BY CONTRACTOR FOR DIM A LESS THAN 12" TO REDUCE DEFLECTION AT CONTRACTOR'S OPTION.

**1 TYP JOIST STRAP PL AND SLEEPER TERMINATION**  
 SCALE: 3" = 1'-0"



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SECTIONS AND DETAILS

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DRAWING NO.	<b>S1.4</b>
SHEET NO.	<b>04 OF 04</b>

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