

GENERAL CONDITIONS

1. THE CONTRACTOR SHALL VERIFY AND REVIEW ALL ITEMS WITHIN THE DRAWINGS PRIOR TO PROCEEDING WITH THE WORK. NOTIFY THE ENGINEER IMMEDIATELY WITH ANY DISCREPANCIES.
2. IF A SPECIFIC DETAIL IS NOT SHOWN FOR ANY PART OF THE WORK, THE CONSTRUCTION SHALL BE THE SAME AS FOR SIMILAR WORK.
3. DIMENSIONS ARE NOT TO BE SCALED FROM THE PLANS, SECTIONS, OR DETAILS WITHIN THE DRAWINGS.
4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCE, AND PROCEDURES.
5. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE REFERENCED CONSTRUCTION AND ALL OTHER REGULATING AGENCIES, EXERCISING AUTHORITY OVER ANY PORTION OF THE WORK.
6. THE PROJECT SPECIFICATIONS AND SPECIFIC NOTES AND DETAILS IN THE DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES.
7. NOTIFY THE ENGINEER OF ALL CHANGES MADE IN THE FIELD PRIOR TO INSTALLATION.
8. CONSTRUCTION TOLERANCE: VERTICAL 1/8", PLUMBNESS 1", HORIZONTAL DRIFT 1".
9. COMPLY WITH PROJECT PERMITS.

DESIGN CRITERIA

DESIGN CODE: AASHTO LRFD, ASCE DESIGN OF MARINE FACILITIES

WIND DESIGN: V=83 MPH

DESIGN VESSEL: 26' STANDARD VESSEL

WAVE DESIGN: SIGNIFICANT WAVE HEIGHT 1 FT  
WAVE PERIOD 15 SEC  
WAVE LENGTH 88.5 FT

LIVE LOAD: 40 PSF

STRUCTURAL STEEL

1. ALL PLATES SHALL CONFORM TO ASTM 50.
2. ALL WF SHAPED 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 CONFORM TO ASTM A307, UNO.
5. ALL NUTS SHALL CONFORM TO ASTM A563, UNO.
6. ALL WASHERS SHALL CONFORM TO ASTM F436, UNO.
7. ALL THREADED RODS SHALL CONFORM TO ASTM F1554, GRADE 36.
8. ALL STEEL MEMBERS THAT ARE NOT EPOXY COASTED SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A153 AS APPLICABLE.

ABBREVIATIONS

@	AT
AWS	AMERICAN WELDING SOCIETY
CL	CENTER LINE
CLR	CLEAR
COL	COLUMN
CONT.	CONTINUOUS
DF	DOUF FIR
EA	EACH
EX OR (E)	EXISTING
GLB	GLULAM BEAM
LLH	LONG LEG HORIZONTAL
MIN	MINIMUM
MNFR	MANUFACTURER
OC	ON CENTER
OPP	OPPOSITE
PL	PLATE
PSI	POUND PER SQUARE INCH
PSF	POUND 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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DRAWN BY: IK  
DESIGNED BY: JS  
CHECKED BY: DT

Scope of Work: We propose to repair (2) timber pile caps on an existing dock with steel channels through bolted to each side.

**SHEET  
S1.01**

**Datum:** CORPS OF ENGINEERS 1919  
SE QUARTER OF SECTION 30, TOWNSHIP 24, RANGE 05

**Adjacent Owners:**  
ROACHE, JEROME Y+LYNN C TUT  
7430 E MERCER WAY 98040

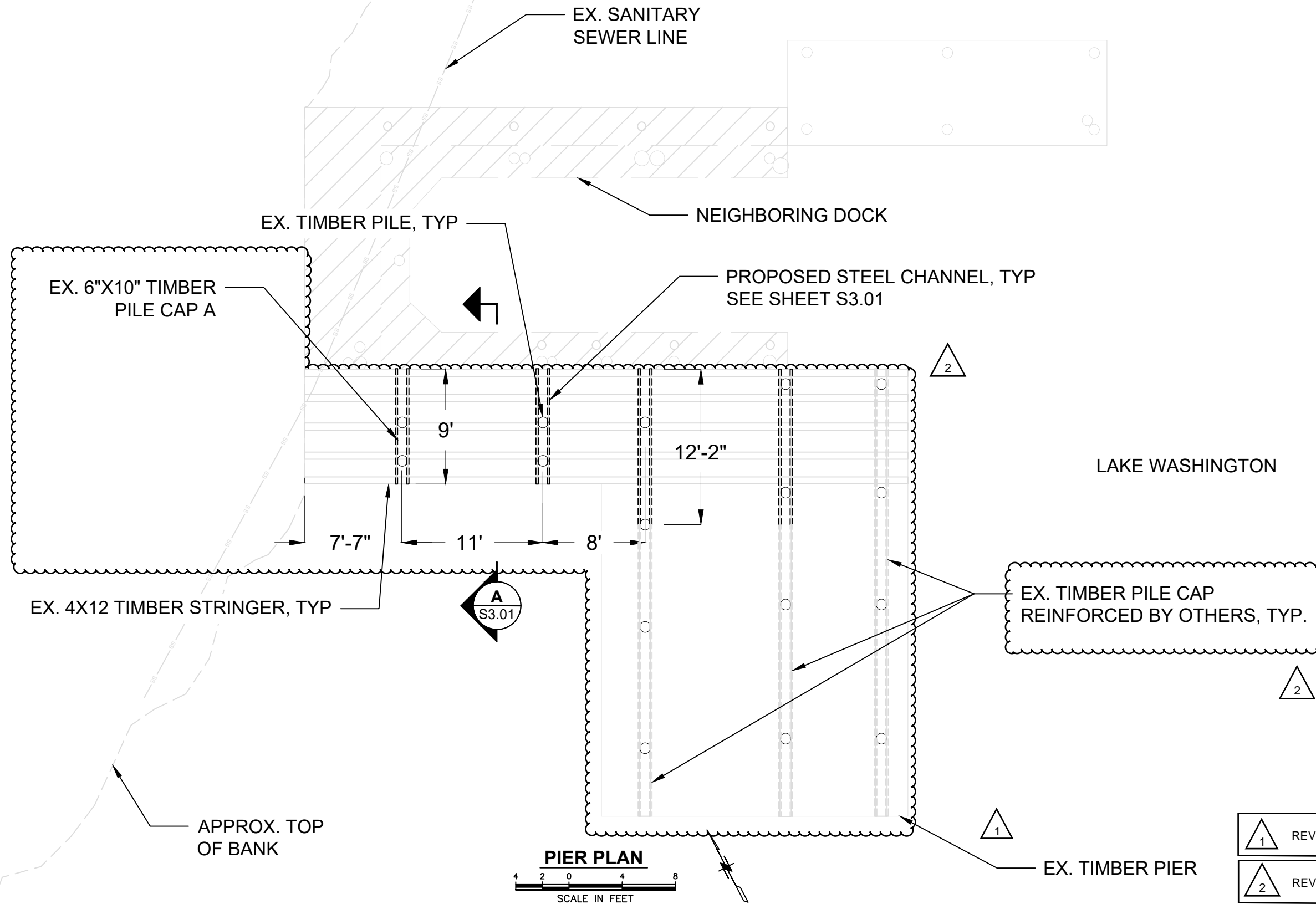
**Owner:**  
Liu (Ren) Residence  
7422 E Mercer Way  
Mercer Island, WA 98040

**County:**  
King County

**Location:**  
Lake Washington

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

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**PIER PLAN**  
SCALE IN FEET

1	REV 1 7/13/23
2	REV 1 7/14/23



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**SHEET  
S2.01**

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SE QUARTER OF SECTION 30, TOWNSHIP 24, RANGE 05

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

Owner: Liu (Ren) Residence  
7422 E Mercer Way  
Mercer Island, WA 98040  
County: King County  
Location: Lake Washington

Adjacent Owners:  
ROACHE, JEROME Y+LYNN C TUT  
7430 E MERCER WAY 98040  
OREM JAMES DAVID+MARGARET F  
7414 E MERCER WAY 98040

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EX. TIMBER STRINGERS, TYP

EX. TIMBER DECKING

PROPOSED C4X4.5 STEEL CHANNEL, TYP

EX. TIMBER PILE CAP

CL CAP  
CL BOLT  
CL CHANNEL

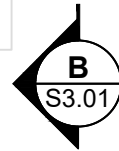


PROPOSED 3/4" Ø THRU-BOLT @ 24" O.C.

EX. TIMBER BLOCKING

EX. TIMBER PILE, TYP

VARIES SEE PLAN VIEW



NEIGHBORING DOCK

TYPICAL DOCK SECTION



EX. TIMBER DECKING

EX. TIMBER STRINGER

EX. TIMBER PILE CAP

CL CAP  
CL BOLT  
CL CHANNEL



PROPOSED C4X4.5 STEEL CHANNEL, TYP

TIMBER PILE CAP SECTION B



PROPOSED 3/4" DIA. THRU-BOLT



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SHEET S3.01

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Adjacent Owners:  
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