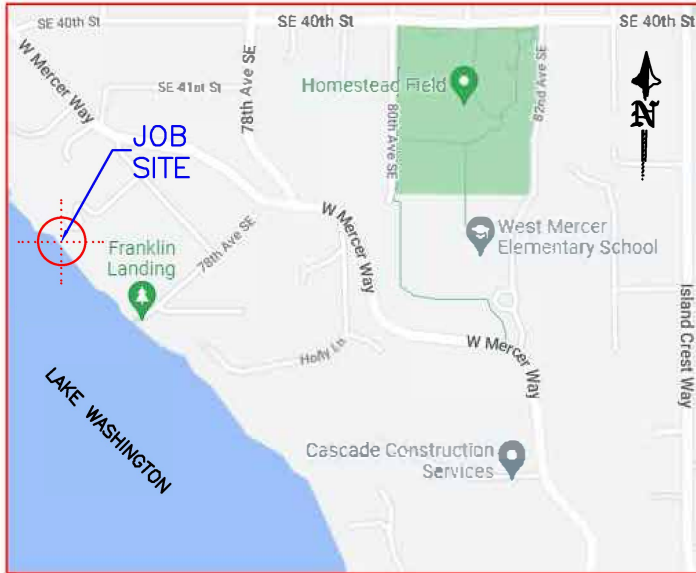
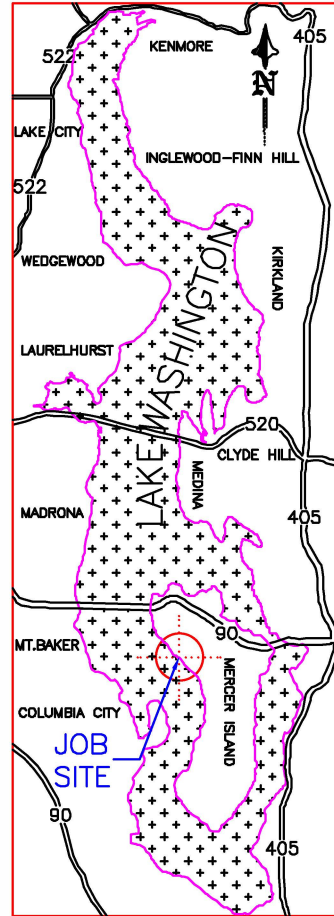


VICINITY MAP/NO SCALE



AREA MAP/NO SCALE



LEGAL DESCRIPTION

SECTION: NW-13-24-04      LAT: 47.572000 (47° 34' 19.2" N)  
 TAXLOT #: 362350-0420      LONG: -122.238380 (122° 14' 18.168" W)

ISLAND PARK REPLAT OF LOT 9 & SELY 15 FT OF 8 EX NELY 240 FT  
 THOF & SH LDS ADJ  
 P/Lat Block: C  
 Plat Lot: 8-9

**REVISED**  
**04/26/2025**

**BOATLIFT  
 REPLACEMENT.**

PROJECT DESIGNED BY:

*Waterfront Construction Inc.*

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ADJACENT OWNERS:

- ① NAVPREET SINGH  
 4075 W MERCER WAY  
 MERCER ISLAND, WA 98040
- ② NANETTE & STEVE DANIELSON  
 4115 BOULEVARD PL  
 MERCER ISLAND, WA 98040

APPLICATION#:

PROPOSED: REPLACEMENT BOAT LIFT

PURPOSE:

LIFT the boat out of the water when not in use

DATUM: C.O.E. MLLW=0.0'

DWG#: 22-31034-A12-1

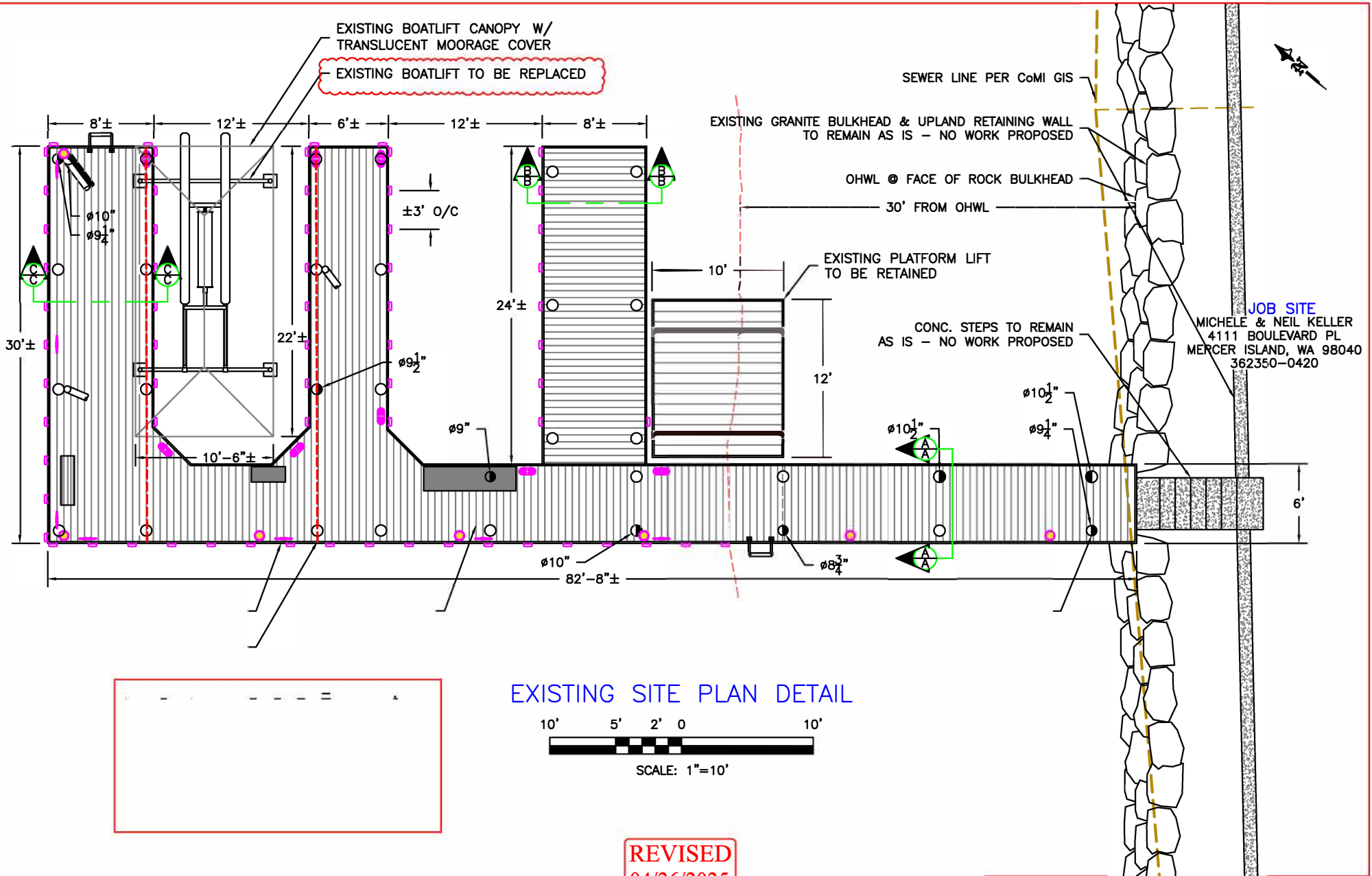
APPLICANT: NEIL & MICHELE KELLER

SITE ADD. 4111 BOULEVARD PL  
 MERCER ISLAND, WA 98040

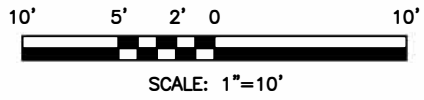
MAIL ADD. (SAME AS ABOVE)

PAGE: 1    OF: 19    DATE: 10/27/2022





EXISTING SITE PLAN DETAIL



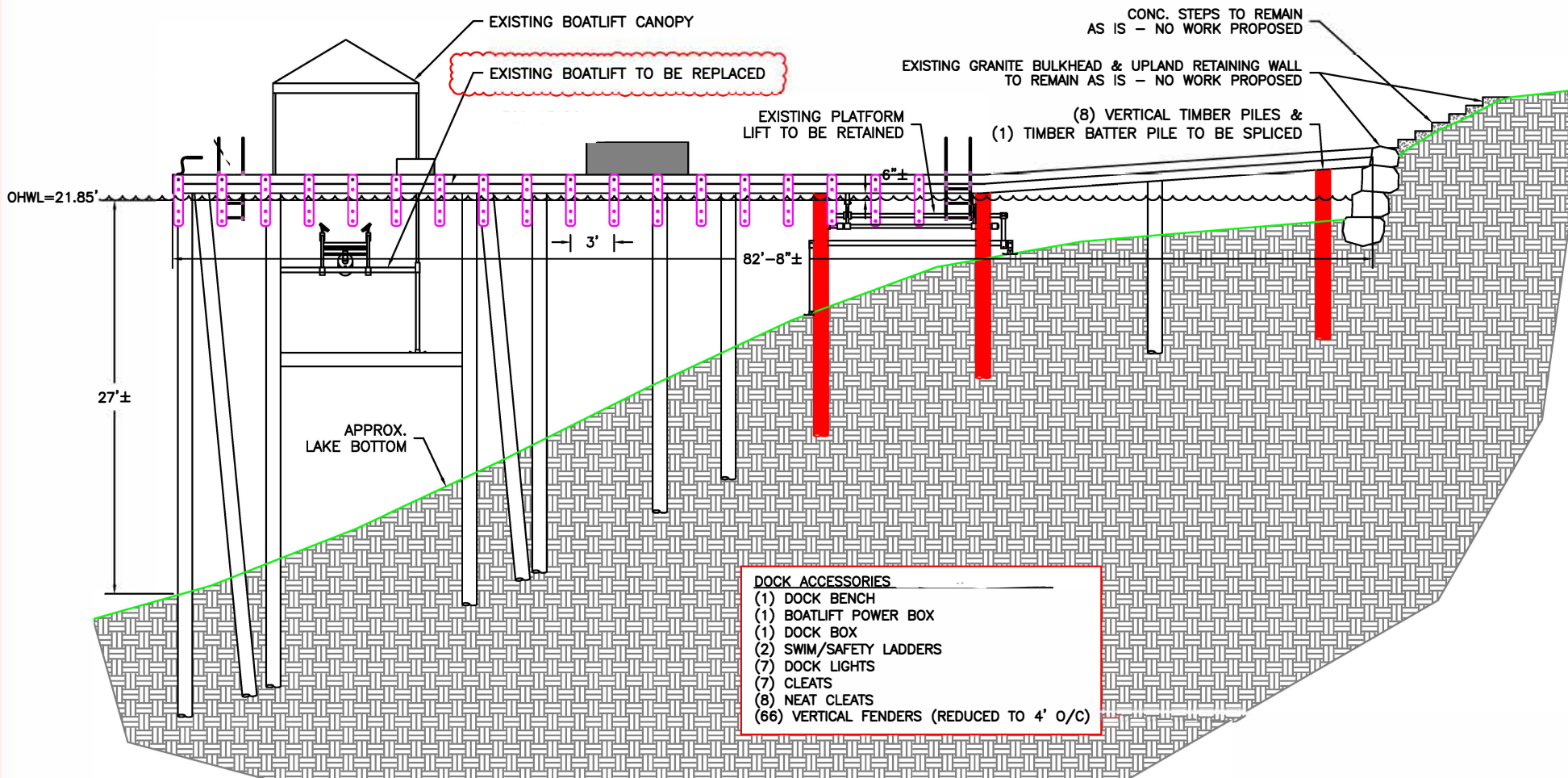
**REVISED**  
04/26/2025

**BOATLIFT  
REPLACEMENT.**



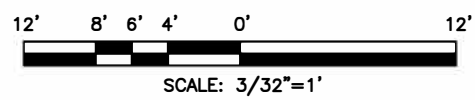
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REFERENCE #:		
APPLICANT: NEIL & MICHELE KELLER		
PROPOSED: DECKING & FASCIA REPLACEMENT, SPLICE (9) PILES		
SHEET: 3	OF: 19	NEAR/AT: LAKE WASHINGTON
DATE: 10/27/2022	DWG#: 22-31034-A12-3	



- DOCK ACCESSORIES**
- (1) DOCK BENCH
  - (1) BOATLIFT POWER BOX
  - (1) DOCK BOX
  - (2) SWIM/SAFETY LADDERS
  - (7) DOCK LIGHTS
  - (7) CLEATS
  - (8) NEAT CLEATS
  - (66) VERTICAL FENDERS (REDUCED TO 4' O/C)

**EXISTING ELEVATION**

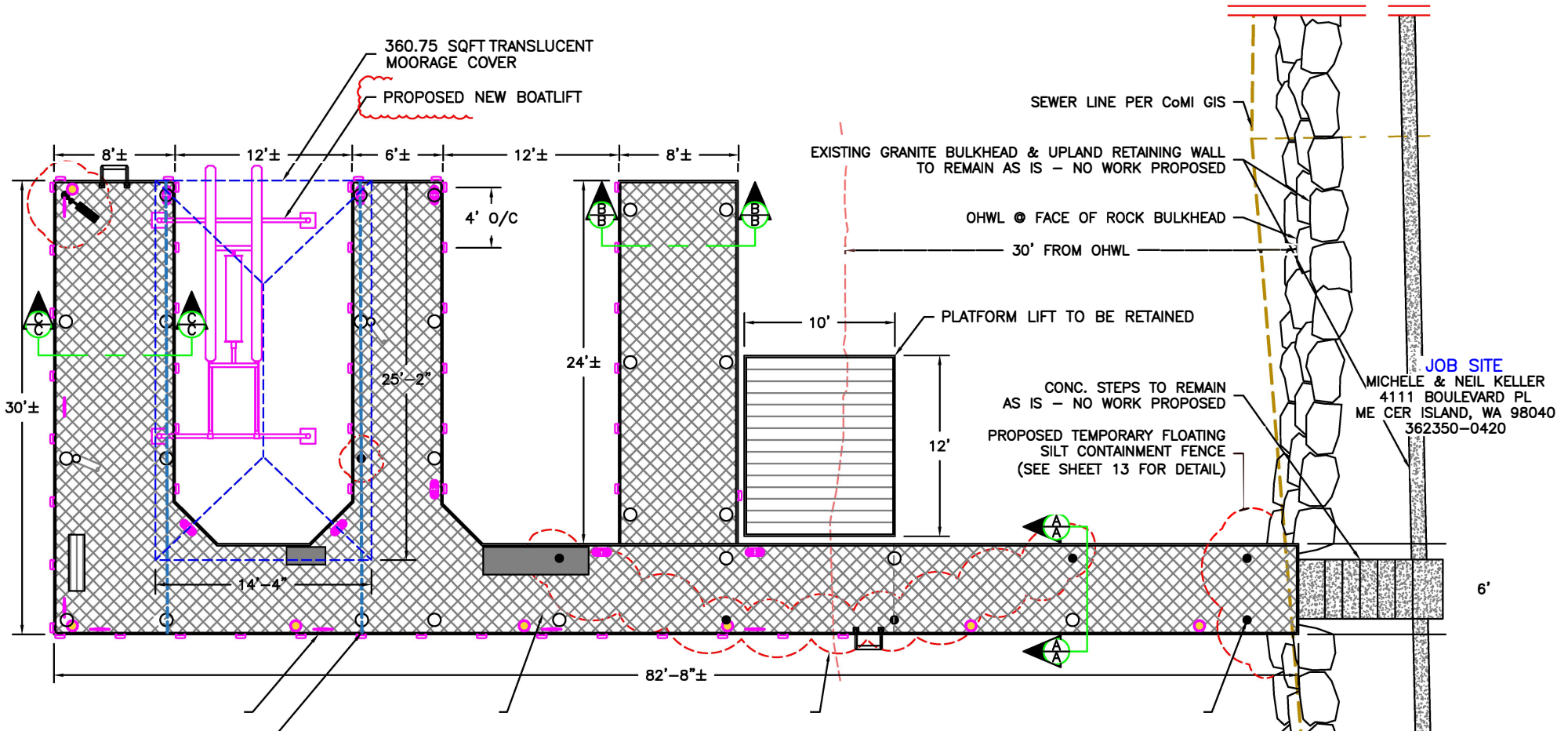


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**REVISED**  
**04/26/2025**

**BOATLIFT REPLACEMENT.**

<b>REFERENCE #:</b>		
APPLICANT: NEIL & MICHELE KELLER		
PROPOSED: DECKING & FASCIA REPLACEMENT,		
SHEET: 4	OF: 19	NEAR/AT: LAKE WASHINGTON
DATE: 10/27/2022	DWG#: 22-31034-A12-4	



**DOCK ACCESSORIES**

- (1) DOCK BENCH
- (1) BOATLIFT POWER BOX
- (1) DOCK BOX
- (2) SWIM/SAFETY LADDERS
- (7) DOCK LIGHTS
- (7) CLEATS
- (8) NEAT CLEATS
- (51) VERTICAL FENDERS (4' O/C)

**PROPOSED SITE PLAN DETAIL**

10' 5' 2' 0 10'

SCALE: 1"=10'

**REVISED**  
**04/26/2025**

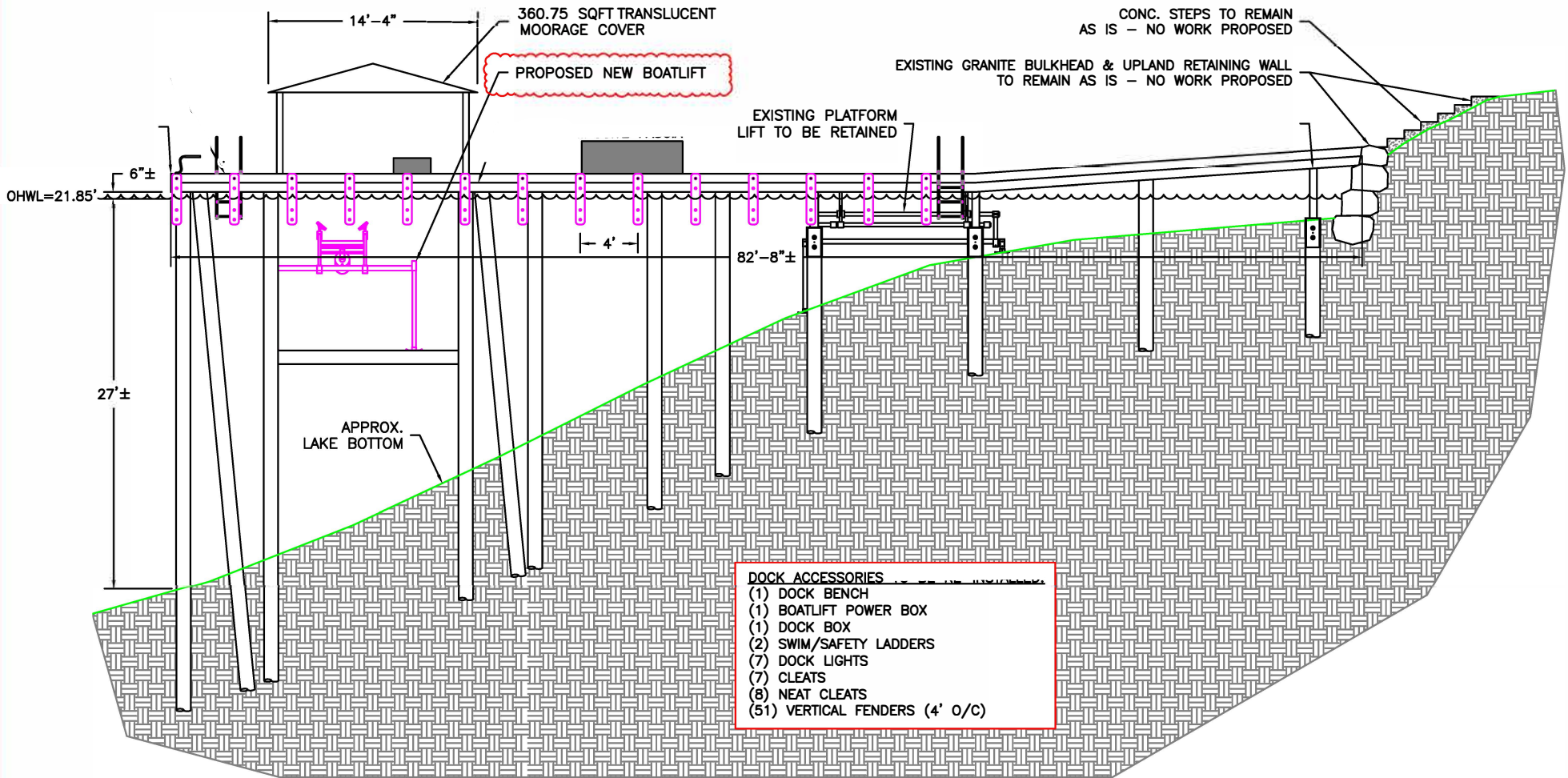
**BOATLIFT**  
**REPLACEMENT.**

REFERENCE :  
 APPLICANT: NEIL & MICHELE KELLER  
 PROPOSED: DECKING & FASCIA REPLACEMENT,  
 REPLACEMENT BOAT LIFT

SHEET: 5 OF: 19 NEAR/AT: LAKE WASHINGTON  
 DATE: 10 27 2022 DWG : 22-31034-A12-5

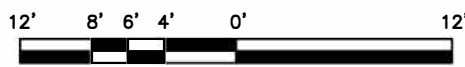
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- DOCK ACCESSORIES**
- (1) DOCK BENCH
  - (1) BOATLIFT POWER BOX
  - (1) DOCK BOX
  - (2) SWIM/SAFETY LADDERS
  - (7) DOCK LIGHTS
  - (7) CLEATS
  - (8) NEAT CLEATS
  - (51) VERTICAL FENDERS (4' O/C)

**PROPOSED ELEVATION**



SCALE: 3/32"=1'



**REVISED**  
04/26/2025

**BOATLIFT  
REPLACEMENT.**

PROJECT DESIGNED BY:  
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REFERENCE #:		
APPLICANT: NEIL & MICHELE KELLER		
PROPOSED: DECKING & FASCIA REPLACEMENT,		
SHEET: 6	OF: 19	NEAR/AT: LAKE WASHINGTON
DATE: 10/27/2022	DWG#:	22-31034-A12-6

# STRUCTURAL NOTES

## CODE:

THE WASHINGTON STATE BUILDING CODE (WSBC) 2021 EDITION AND THE 2021 WASHINGTON STATE EXISTING BUILDING CODE (WSEBC).

THE UNIFIED FACILITIES CRITERIA (UFC) - DESIGN: SMALL CRAFT BERTHING FACILITIES, UFC-4-152-07, CHANGE 1, DATED SEPTEMBER 2012. THE PIER HAS RESTRICTED ACCESS.

## LIVE LOADS:

ROOF SNOW LOAD 25 PSF  
PIER (RESTRICTED ACCESS) 40 PSF

## LATERAL LOADS (BASED ON ASCE 7):

### WIND DESIGN DATA:

WIND SPEED 97 MPH  
IMPORTANCE FACTOR 1.0  
RISK CATEGORY I  
EXPOSURE C  
TOPOGRAPHICAL FACTOR 1

## EARTHQUAKE DESIGN DATA (USING USGS SEISMIC HAZARD MAPS):

LATITUDE 47.57 DEGREES (°N)  
LONGITUDE -122.24 DEGREES (°W)  
Ss 1.425  
S1 0.495  
SITE CLASS D (Default)  
SDS 1.14  
SD1 0.596  
IMPORTANCE FACTOR 1.0  
SEISMIC DESIGN CATEGORY D

## BASIC SEISMIC-FORCE-RESISTING SYSTEM:

### STEEL ORDINARY CANTILEVER SYSTEM

R 1.25  
Cs 0.912  
DESIGN BASE SHEAR (ASD) 1.98 K

## STRUCTURAL AND MISCELLANEOUS STEEL:

PLATES AND CHANNELS ASTM A36 Fy = 36,000 PSI. STEEL TUBES ASTM A500, GRADE "C" Fy = 50,000 PSI. ALL FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF AISC "STEEL CONSTRUCTION MANUAL."

ALL WELDS SHALL BE 3/16" MINIMUM CONTINUOUS FILLET WELDS USING AWS D1.1 CLASS E70 ELECTRODES UNLESS NOTED OTHERWISE. ALL WELDING SHALL BE PERFORMED BY WELDERS CERTIFIED BY WABO.

ALL STEEL SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123. REPAIR ALL SCRAPES, DINGS, WELDS, ETC., IN ACCORDANCE WITH ASTM A780.

## STEEL BOLTS:

STEEL-TO-STEEL: HIGH STRENGTH BOLTS SHALL BE A325-N HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153-CLASS C UNLESS NOTED OTHERWISE.

STEEL-TO-WOOD: BOLTS AND THREADED RODS SHALL BE ASTM A307 HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153-CLASS C UNLESS NOTED OTHERWISE. PROVIDE CUT WASHERS FOR ALL BOLT HEADS AND NUTS BEARING ON WOOD.

## MISCELLANEOUS:

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. REPETITIVE FEATURES MAY BE DRAWN OR CALLED OUT ONCE BUT SHALL BE COMPLETELY PROVIDED AS IF DRAWN IN FULL. ALL WORKMANSHIP SHALL BE OF THE HIGHEST QUALITY AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND INDUSTRY STANDARDS. PROVIDE TEMPORARY BRACING AS REQUIRED UNTIL ALL PERMANENT CONNECTIONS AND STIFFENINGS HAVE BEEN INSTALLED.

## SAFETY:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION, TEMPORARY BRACING, SHORING, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES IN CONNECTION WITH THE WORK.

THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITION ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

THE REQUIRED AND/OR IMPLIED DUTY OF THE ENGINEER TO CONDUCT CONSTRUCTION REVIEW OF CONTRACTOR'S PERFORMANCE DOES NOT, AND IS NOT INTENDED TO, INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.

THE SEAL ON THESE DRAWINGS REPRESENTS THE ENGINEERING DESIGN OF THE PROPOSED MOORAGE COVER. DESIGN IS IN ACCORDANCE WITH THE 2021 WASHINGTON STATE BUILDING CODE (WSBC).

THE SITE INFORMATION, DIMENSIONS, AND PLAN LAYOUT HAS BEEN PROVIDED TO US BY WATERFRONT CONSTRUCTION, INC.

OUR SCOPE OF WORK DOES NOT INCLUDE THE DESIGN OF PILES, PIER STRUCTURE, GRATING, BULKHEAD, BOATLIFT, UPLAND STRUCTURES, ETC.

PACIFIC ENGINEERING JOB NUMBER: 24152.00

PROJECT DESIGNED BY:

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**REVISED**  
**04/26/2025**

TO INCLUDE  
BOATLIFT  
REPLACEMENT.

## REFERENCE #:

APPLICANT: NEIL & MICHELE KELLER

PROPOSED: DECKING & FASCIA REPLACEMENT,  
SPLICE (9) PILES

SHEET: 19 OF: 19 NEAR/AT: LAKE WASHINGTON

DATE: 10/27/2022 DWG#: 22-31034-A12-19