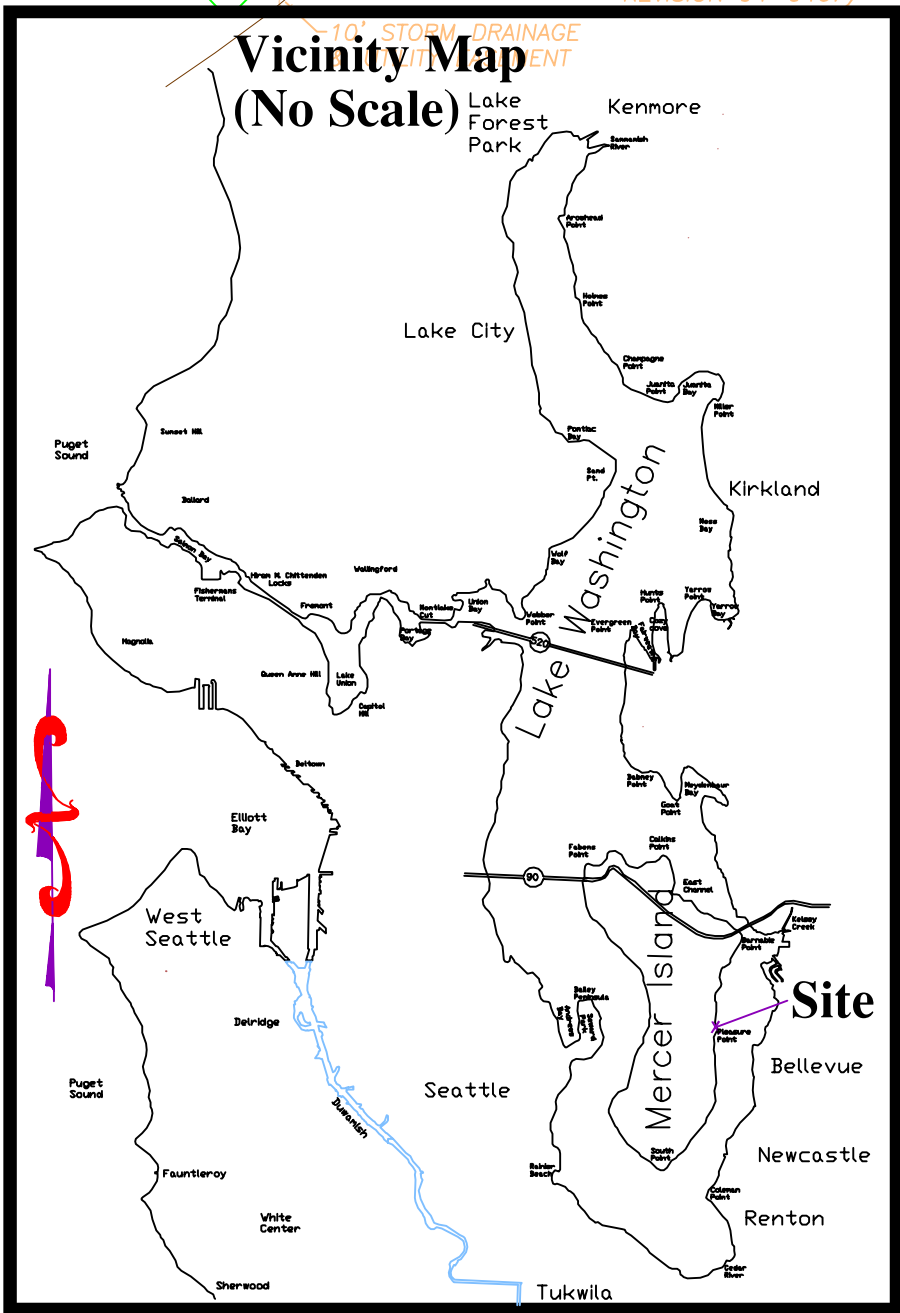
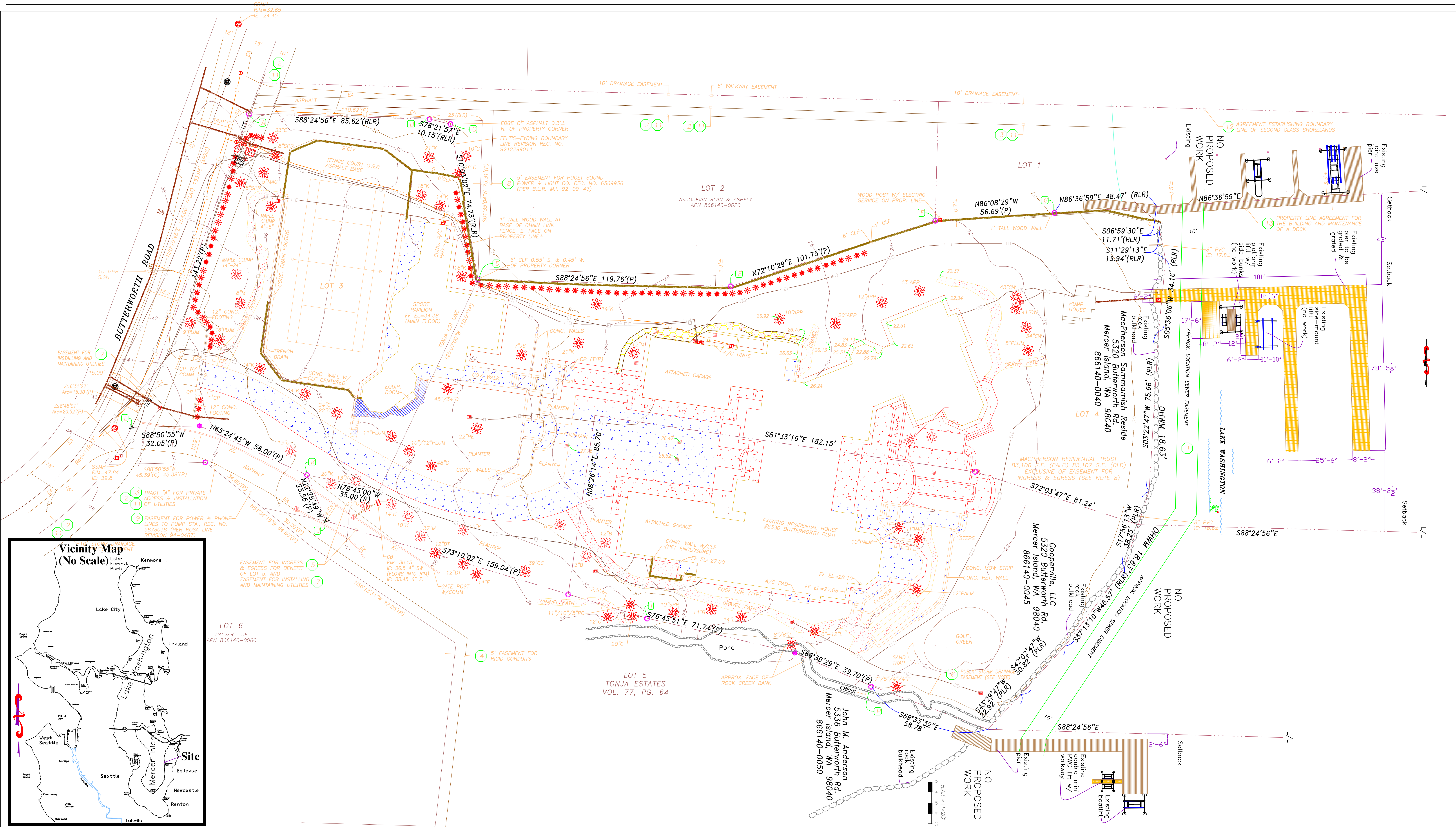


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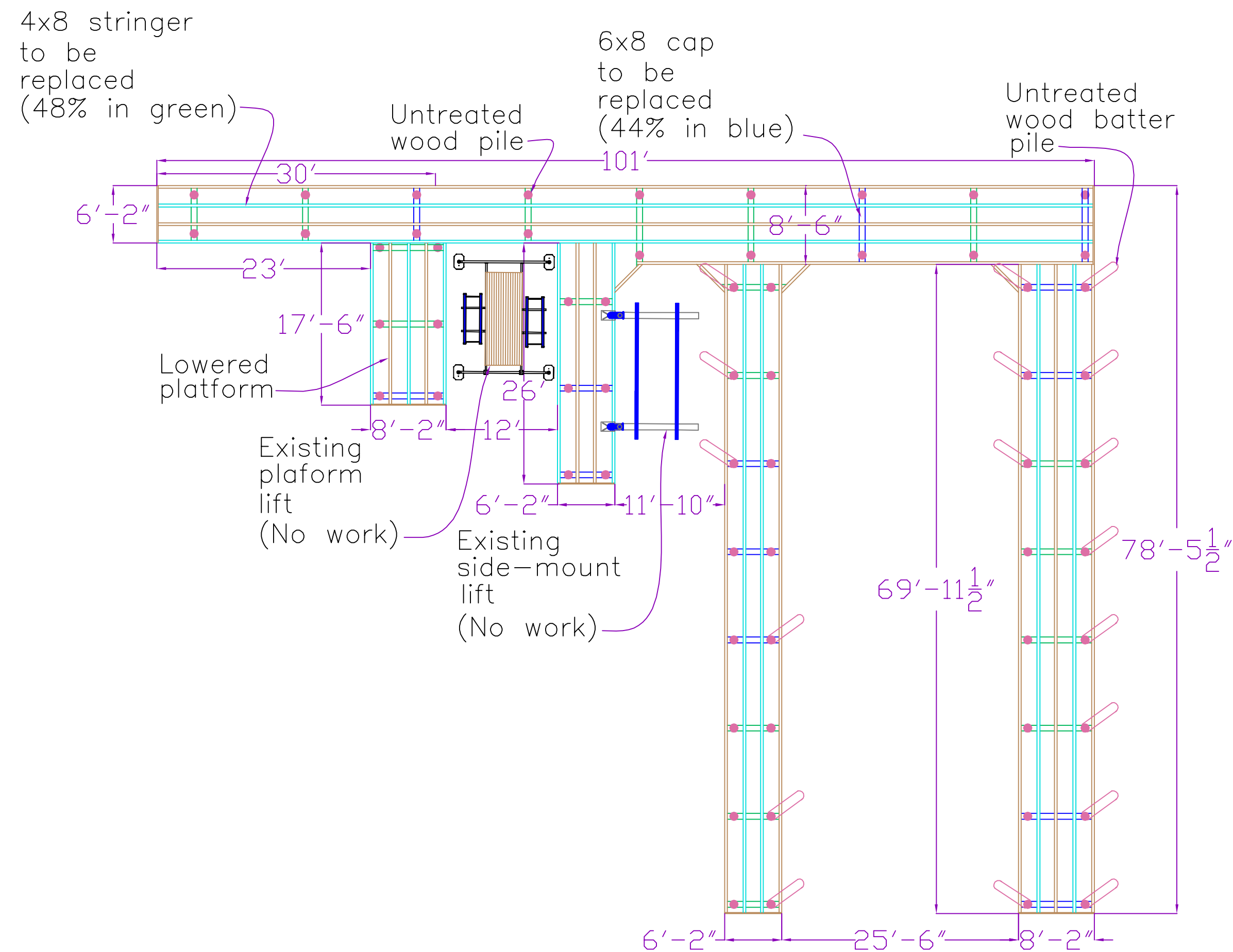


<p>SHORELINE PROJECT FOR : MacPherson Sammamish Reside 5320 Butterworth Rd. Mercer Island, WA 98040</p> <p>PAGE: 1 of 2</p>	<p>LOCATION: Lake Washington LAT: 47° 33' 20" North LONG: -122° 12' 35" West LENGTH FROM OHWM: 101'</p>	<p>DATUM: NAVD 88 SQ. FT. : 2,068</p>	<p>PROJECT DESCRIPTION: Repair piles as needed by sleeving with HDPE pipe and filling with conc. Repair caps and strigers as shown. Add intermediate stringers to support Titan grated decking. Replace solid wood-plank decking with Titan grated decking (47% open space). No change in footprint.</p> <p>DATE: 5/28/2025</p>
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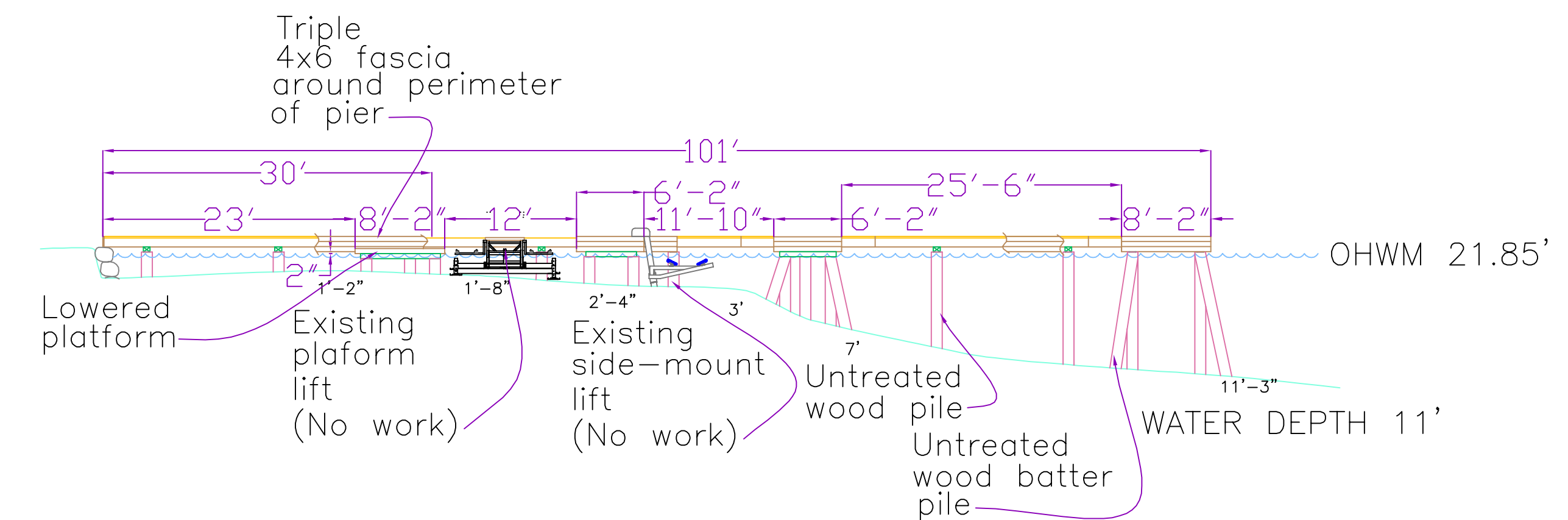
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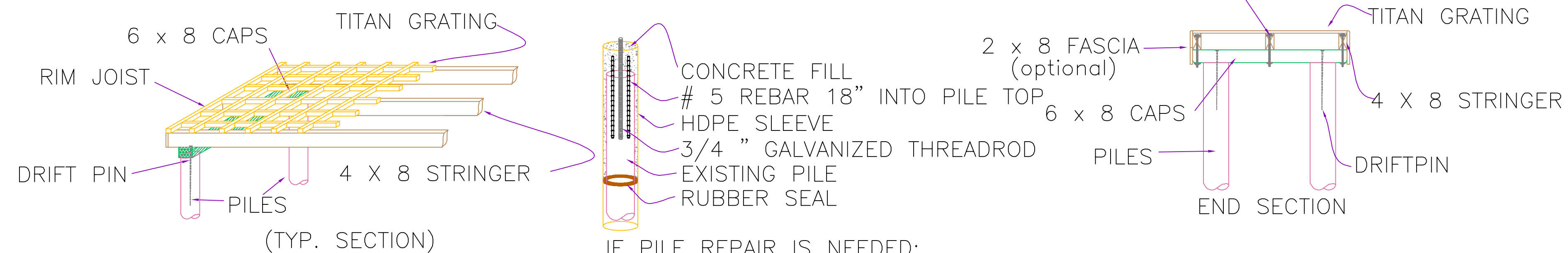
225 LF of Cap-total
 98 LF of Cap to be replaced=44% in blue
 1224.5 LF of Stringer-total
 586 LF of Stringer to be replaced=48% in green



1. ALL PILING ARE EXISTING.
2. PILING ARE 12" DIA. TYPICAL
3. PILE BENTS ARE 12 FEET MAXIMUM
4. CAPS ATTACHED TO PILING WITH 30" X 1/2" GALV. DRIFT PINS
5. INSTALL INTERMEDIATE STRINGERS TO SUPPORT GRATED DECKING
6. STRINGERS TO BE MAXIMUM 2' O.C.
7. STRINGERS TO BE ATTACHED TO CAPS WITH 14" X 1/2" GALV. CARRIAGE BOLTS
8. DECKING ATTACHED TO STRINGERS WITH #10 3" SS SCREWS

NOTES:

ALL PILING ARE NON-TREATED DOUGLAS FIR
 CAP MATERIAL TO BE DOUGLAS FIR # 2 OR BETTER -- ACZA TREATED TO .60 OR REFUSAL
 STRINGER MATERIAL TO BE DOUGLAS FIR # 2 OR BETTER -- ACZA TREATED TO .40 OR REFUSAL
 LIKE FOR LIKE FRAMING
 PILE SLEEVE TO BE MAXIMUM OF 3" LARGER THAN EXISTING PILE
 DECKING TO BE TITAN GRATING



IF PILE REPAIR IS NEEDED:
 SLIDE HDPE SLEEVE OVER PILE TO LAKE BOTTOM
 SEAL BOTTOM OF SLEEVE WITH RUBBER GASKET
 FILL SLEEVE WITH CONCRETE

SHORELINE PROJECT FOR : MacPherson Sammamish Reside
 5320 Butterworth Rd.
 Mercer Island, WA 98040

LOCATION: Lake Washington
LAT: 47° 33' 20" North
LONG: -122° 12' 35" West
LENGTH FROM OHWM: 101'

DATUM: NAVD 88
SQ. FT. : 2,068

PROJECT DESCRIPTION: Repair piles as needed by sleeving with HDPE pipe and filling with conc. Repair caps and stringers as shown. Add intermediate stringers to support Titan grated decking. Replace solid wood-plank decking with Titan grated decking (47% open space). No change in footprint.
DATE: 5/28/2025