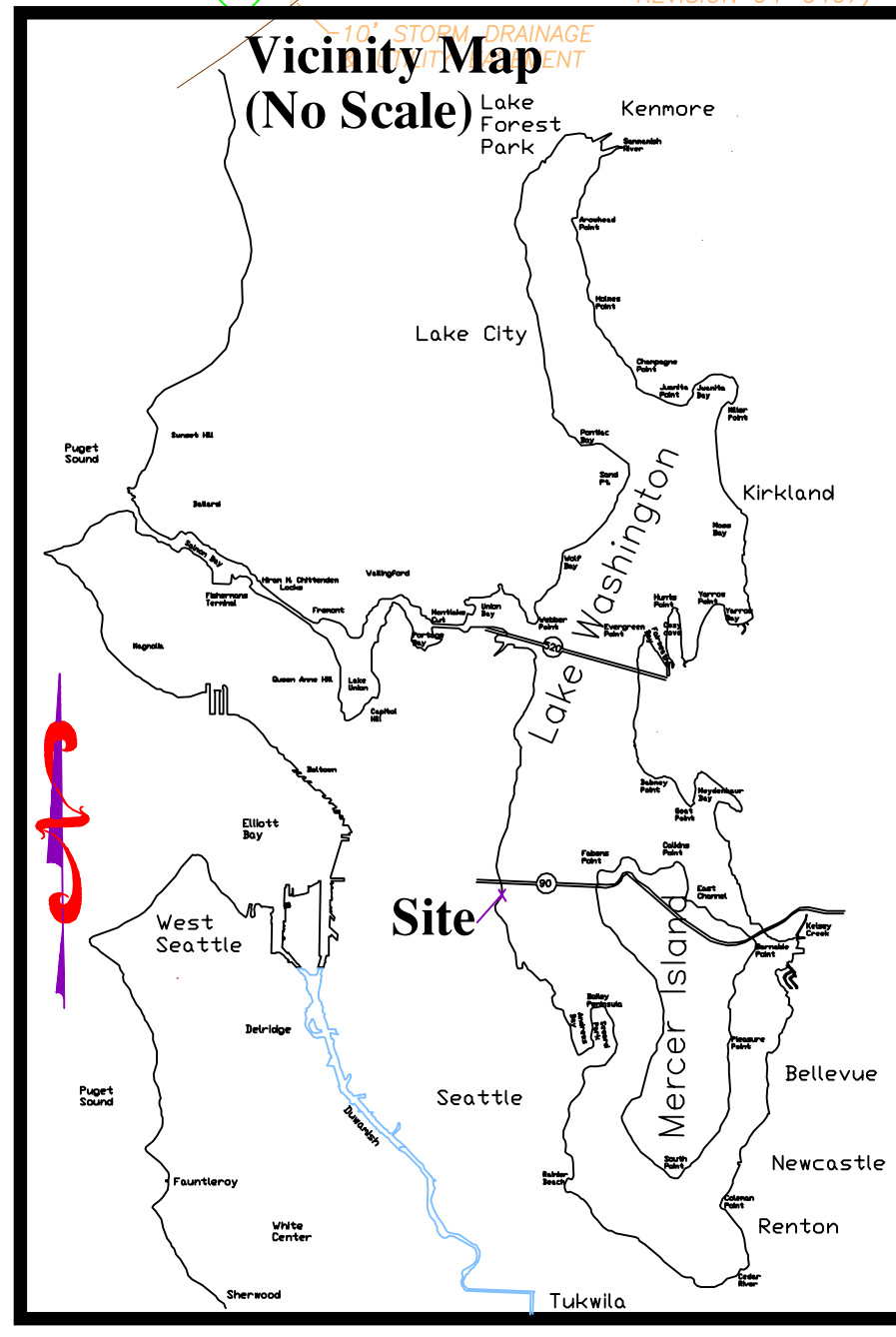
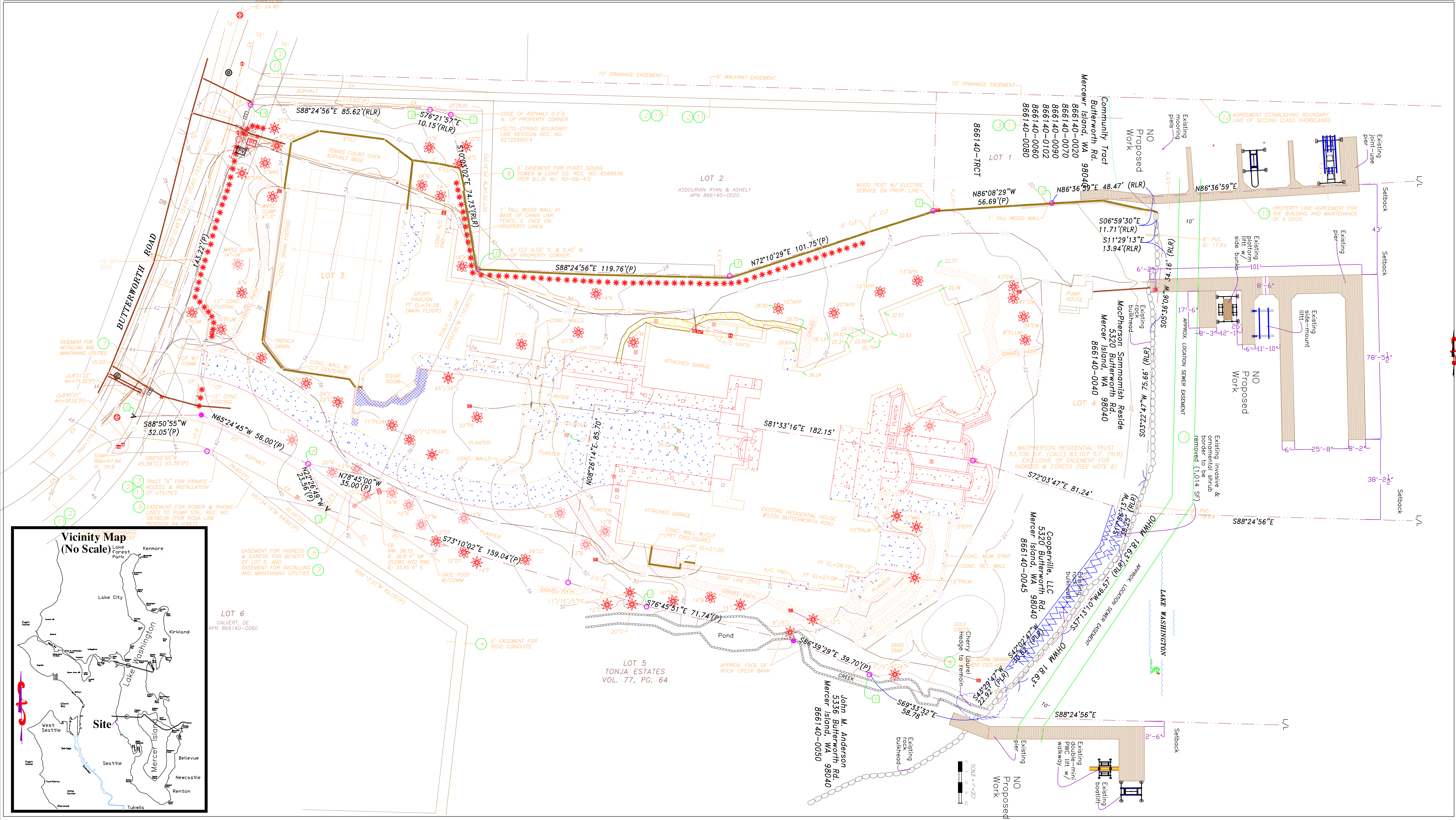


# Ashley Shoreline Design & Permitting

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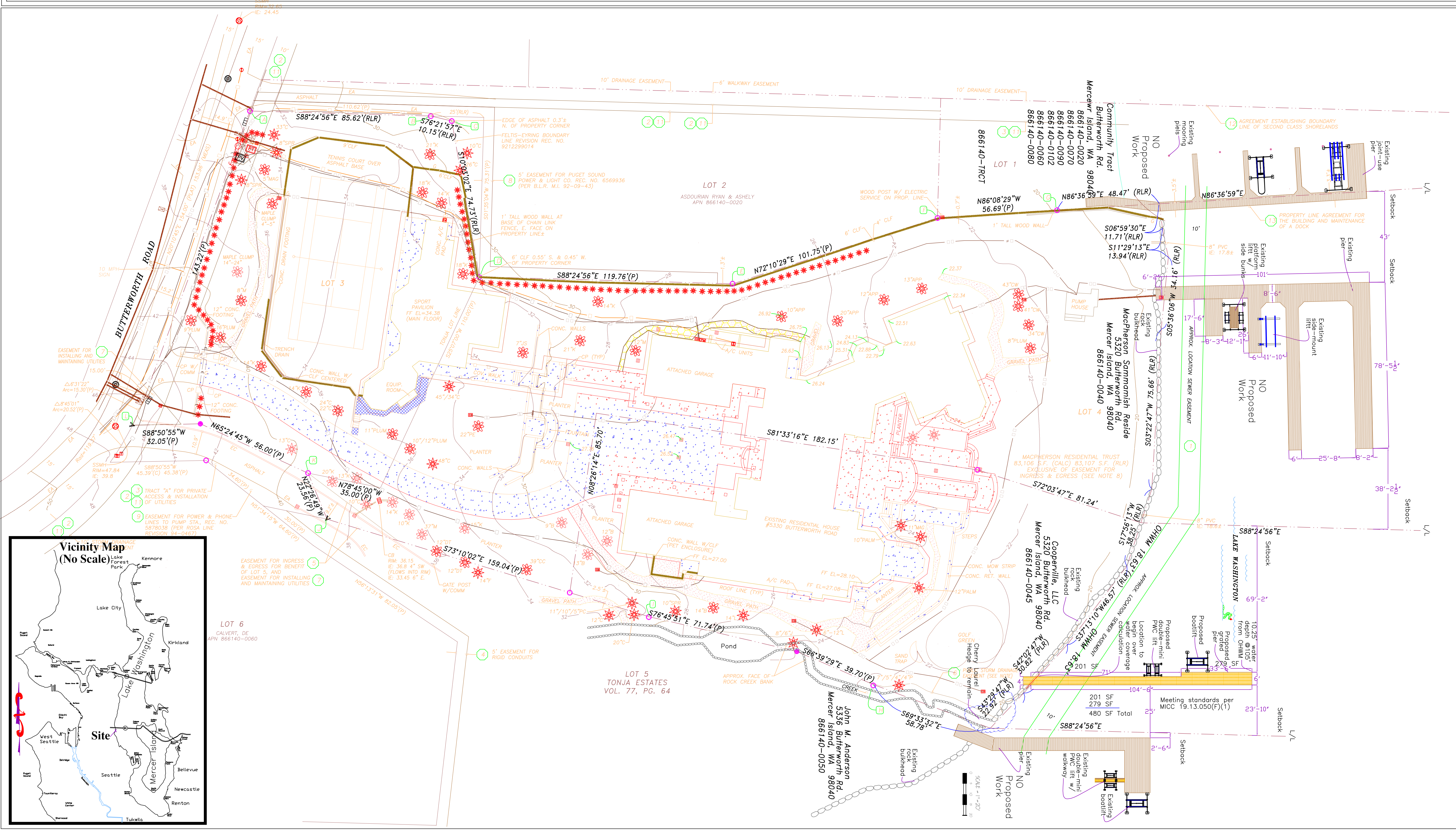


<p><b>SHORELINE PROJECT FOR :</b> Cooperville, LLC                  5330 Butterworth Rd.                  Mercer Island, WA 98040</p> <p><b>PAGE:</b> 1 of 3</p>	<p><b>LOCATION:</b> Lake Washington  <b>LAT:</b> 47° 33' 20" North  <b>LONG:</b> -122° 12' 34" West  <b>LENGTH FROM OHWM:</b> 105'</p>	<p><b>DATUM:</b> COE 1913  <b>SQ. FT. :</b> 480</p>	<p><b>PROJECT DESCRIPTION:</b> Install 12 - 8" diameter epoxy coated steel piles. Build a 480 SF fixed pile pier with Titan grated decking (47% open space). Install an aluminum freestanding boatlift and an aluminum freestanding double mini PWC lift.</p> <p><b>DATE:</b> REV:3/3/2026</p>
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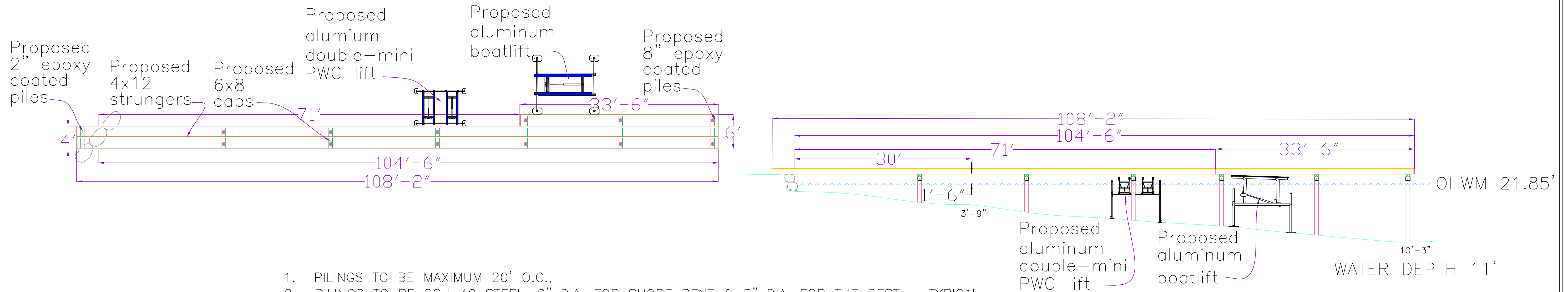


<p><b>SHORELINE PROJECT FOR :</b> Cooperville, LLC                  5330 Butterworth Rd.                  Mercer Island, WA 98040</p> <p><b>PAGE:</b> 2 of 3</p>	<p><b>LOCATION:</b> Lake Washington  <b>LAT:</b> 47° 33' 20" North  <b>LONG:</b> -122° 12' 34" West  <b>LENGTH FROM OHWM:</b> 105'</p>	<p><b>DATUM:</b> COE 1913  <b>SQ. FT. :</b> 480</p>	<p><b>PROJECT DESCRIPTION:</b> Install 12 - 8" diameter epoxy coated steel piles. Build a 480 SF fixed pile pier with Titan grating (47% open space). Install an aluminum freestanding boatlift and an aluminum freestanding double mini PWC lift.</p> <p><b>DATE:</b> REV:3/3/2026</p>
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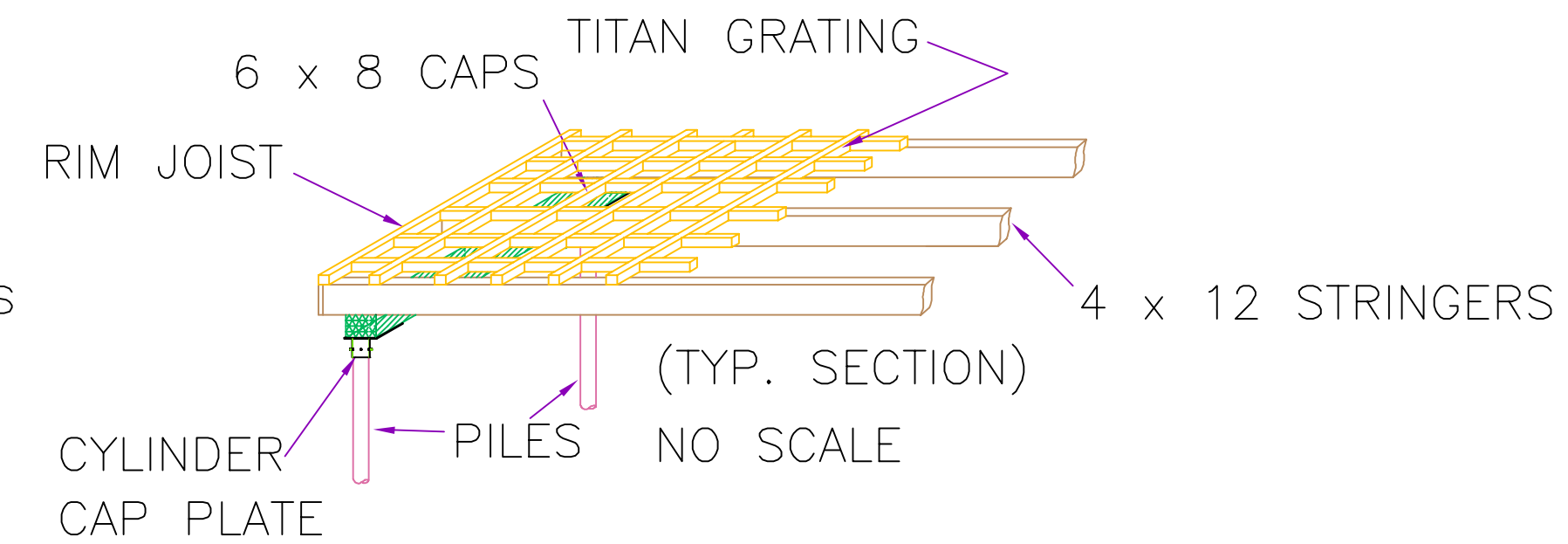
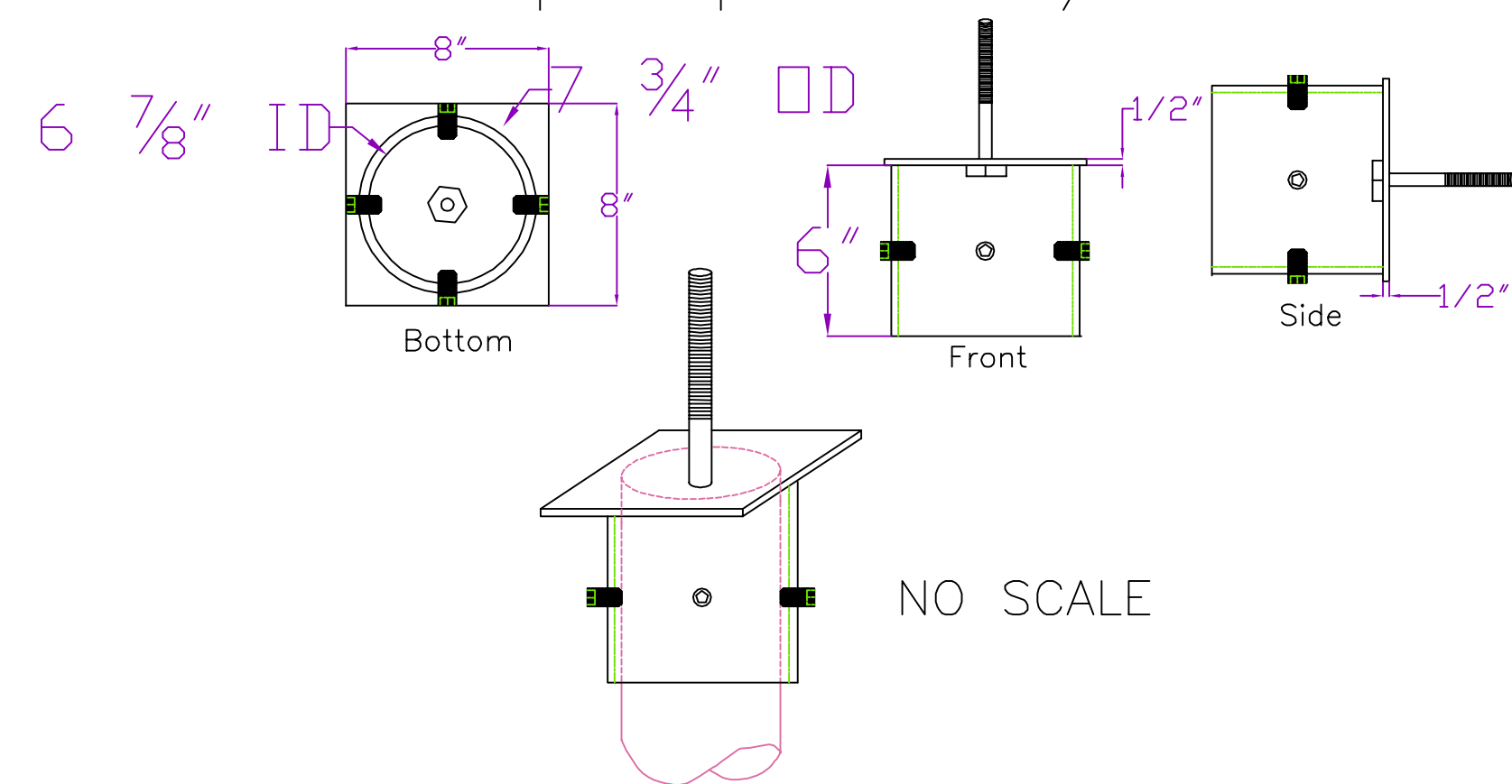
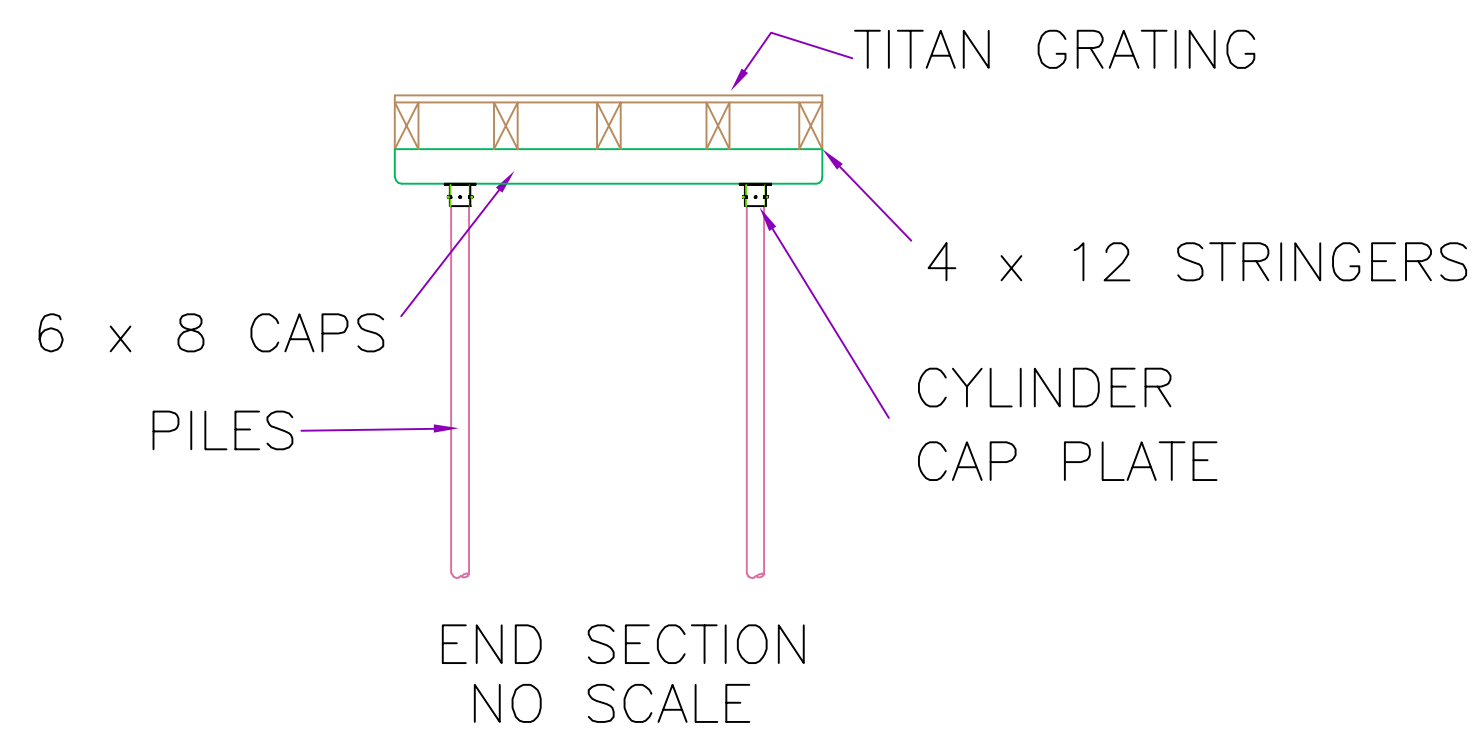
1. PILINGS TO BE MAXIMUM 20' O.C.,
2. PILINGS TO BE SCH 40 STEEL, 2" DIA. FOR SHORE BENT & 8" DIA. FOR THE REST – TYPICAL
3. CAPS ATTACHED TO PILINGS WITH EPOXY COATED STEEL CYLINDER CAP PLATE & 3/4" GALV. BOLTS
4. STRINGERS TO BE MAXIMUM 2' O.C.
5. STRINGERS TO BE ATTACHED TO CAPS WITH 3/4" GALV. ECONOMY HEAD BOLTS
6. DECKING ATTACHED TO STRINGERS WITH SS SCREWS

**NOTES:**

- ALL PILINGS TO BE SCH 40 STANDARD WALL STEEL CASING
- ALL PILINGS EPOXY COATED STEEL
- ALL PILINGS DRIVEN TO REFUSAL
- 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
- STRINGER MATERIAL TO BE DOUGLAS FIR # 1 FOR RAMP -- ACZA TREATED TO .40 OR REFUSAL
- DECKING TO BE TITAN GRATING

BOLT ON PILE CYLINDER CAP PLATE  
 (9" SCH 40 PIPE USED FOR CYLINDER)

8" x 8" x 1/2" Epoxy coated steel plate with a 3/4" Galvanized bolt through center of 8" x 8" plate attached to a galvanized steel cylinder to be bolted over top of pile with 5/8" SS set screws



**SHORELINE PROJECT FOR :** Cooperville, LLC  
 5330 Butterworth Rd.  
 Mercer Island, WA 98040

**LOCATION:** Lake Washington  
**DATUM:** COE 1913  
**LAT:** 47° 33' 20" North  
**LONG:** -122° 12' 34" West  
**LENGTH FROM OHHM:** 105' **SQ. FT. :** 480

**PROJECT DESCRIPTION:** Install 12 - 8" diameter epoxy coated steel piles. Build a 480 SF fixed pile pier with Titan grated decking (47% open space). Install an aluminum freestanding boatlift and an aluminum freestanding double mini PWC lift.  
**DATE:** 3/3/2026