

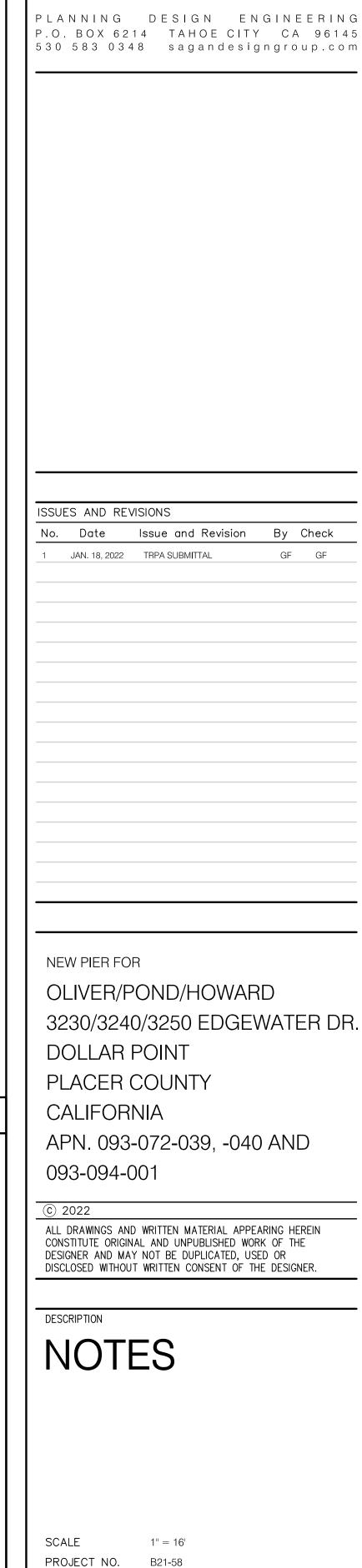
Pier BMPs

- Caissons shall be installed around piling during installation/removal when water is present.
 Visual turbidity monitoring during construction will occur and turbidity curtains shall be installed if necessary.
- 3. If construction occurs when dry, a self-contained amphibious vehicle shall be used and down-grade erosion control/silt fencing shall be installed. If soil disturbance is observed, steel six-foot square mats shall be used.
- 4. All debris and staging shall be contained on the barge and protected from discharge to the
- 5. Should inclement weather occur, the barge shall be stabilized and/or removed from the lake and the site shall be fully winterized.
- 6. All work performed between October 15th and May 1st shall be conducted in a manner that the project can be winterized within 48 hours. Winterization shall include the prevention of material discharge from the site without maintenance. All exposed soils shall be covered with visqueen, erosion protection blankets, or mulch and include perimeter sediment controls such as fiber logs or silt fence.
- 7. All material transport shall be via barge and loaded/offloaded at Lake Forest Boat Ramp.
- 8. Spill containment materials shall be present on the barge during construction.
- 9. The barge shall be monitored for leaks and inspected after each construction day.
- 10. Any debris shall be skimmed from the lake surface and retrieved and removed. All organic debris shall be disposed of at an approved sanitary landfill or recycled.

Source Control and Spill Prevention Measures

- 1. Construction materials shall be stored within the barge and protected from discharge to Lake Tahoe. The barge shall be checked and maintained daily to prevent leaks of hazardous materials. Spill containment materials including oil absorbent pillows and pads shall be present during construction should any mechanical fluids be discharged from the barge.
- 2. Fueling of the barge shall occur offsite. Fueling of other equipment shall be completed on the barge with personnel present to detect and contain spills.
- 3. All waste shall be stored in secure containers on the barge. Waste shall be removed by barge to appropriate facilities. No disposal of any waste shall occur onsite.
- 4. After construction, no stains shall be applied to any materials. No materials shall be discharged to Lake Tahoe.
- 5. Spills must be reported to the appropriate agencies as soon as possible. A list of all agencies shall be present on the barge at all times.
- 6. Any debris shall be skimmed from the lake surface and retrieved and removed. All organic debris shall be disposed of at an approved sanitary landfill or recycled.
- 7. No containers of fuel, paint or other hazardous materials shall be stored on the pier when not in immediate use. No construction materials shall be stored on the shoreline.
- 8. A spill response kit shall be on-site at all times.

TRPA NOTES	COVERAGE CALCULATIONS - APN 093-072-039		COVERAGE CALCULATION	IS - APN 093-072-040	COVERAGE CALCULATIONS - APN 093-	094-001
1) ALL STEEL PILING, BEAMS, JOISTS AND CATWALK SHALL BE PAINTED MATTE BLACK.	ALLOWABLE COVERAGE		ALLOWABLE COVERAGE		ALLOWABLE COVERAGE	
CAISSONS SHALL BE INSTALLED AROUND PILING DURING INSTALLATION AND REMOVAL (INCLUDING PINNING) PER THE DISCRETION OF THE TRPA INSPECTOR UPON A PREGRADE INSPECTION. A FLOATING FINE MESH FABRIC SCREEN OR OTHER MATERIAL AUTHORIZED BY TRPA SHALL BE INSTALLED UNDERNEATH THE PIER DECKING TO CAPTURE ANY FALLEN MATERIALS DURING PIER DEMOLITION AND RECONSTRUCTION AND MAY BE REMOVED ONLY AT THE DISCRETION OF THE TRPA INSPECTOR.	TOTAL LOT AREA BASE ALLOWABLE COVERAGE CLASS 1b CLASS 3 1,882 S.F. @ 1% = 11,141 S.F. @ 5% =	3,023 S.F. 19 S.F. 557 S.F.	TOTAL LOT AREA BASE ALLOWABLE COVERAGE CLASS 1b CLASS 2	12,566 S.F. 2,493 S.F. @ 1% = 25 S.F. 10,073 S.F. @ 1% = 101 S.F.	TOTAL LOT AREA BASE ALLOWABLE COVERAGE EXISTING COVERAGE (SEE LCAP2021-0396)	11,923 S.F. 119 S.F.
 3) AN AMPHIBIOUS BARGE WITH CRANE SHALL BE USED. ACCESS POINTS ASSOCIATED WITH PIER CONSTRUCTION ACTIVITIES SHALL OCCUR FROM THE LAKE BY BARGE. DELIVERY, REMOVAL AND STAGING OF ALL CONSTRUCTION EQUIPMENT AND MATERIALS SHALL OCCUR ON THE BARGE. NO CONTAINERS OF FUEL, PAINT OR OTHER HAZARDOUS MATERIALS MAY BE STORED ON THE PIER OR SHORELINE. 4) NO STAGING ACTIVITY IS AUTHORIZED ON THE SHORELINE. CONSTRUCTION ACCESS BY LAND FOR PIER RECONSTRUCTION ACTIVITIES SHALL BE SUBJECT TO TRPA REVIEW AND APPROVAL PRIOR TO CONSTRUCTION AND SHALL BE LIMITED TO EXISTING ACCESS OR DISTURBED AREAS. 5) SPILL CONTAINMENT MATERIALS SHALL BE PRESENT DURING CONSTRUCTION ACTIVITIES. 	PAVED/CONCRETE DRIVE 0 S.F. 313 S.F. DECKS/STAIRS 0 S.F. 884 S.F. ROCK WALKS/PADS 0 S.F. 170 S.F. CONCRETE WALKS/PADS 0 S.F. 550 S.F. WOOD WALKWAY/STAIRS 0 S.F. 274 S.F.	TOTAL 2,175 S.F. 313 S.F. 884 S.F. 170 S.F. 550 S.F. 274 S.F.	TOTAL EXISTING COVERAGE (SEE 20000) RESIDENCE DECKS/STAIRS/WALKS DECOMPOSED GRANITE A.C. PAVING BANKED TOTAL	126 S.F. 0816STD) CLASS 1b 0 S.F. 296 S.F. 1,336 S.F. 1,336 S.F. 1,632 S.F. 183 S.F. 495 S.F. 0 S.F. 697 S.F. 96 S.F. 23 S.F. 119 S.F. 575 S.F. 5,582 S.F. 6,157 S.F.	RESIDENCE AND GARAGE A.C. DRIVEWAY CONCRETE PAVERS SHED DECK AND STAIRS COMPACTED DIRT PATH TOTAL	TOTAL 1,395 S.F. 637 S.F. 895 S.F. 170 S.F. 27 S.F. 533 S.F. 179 S.F. 3,836 S.F.
 6) NO STAINS SHALL BE APPLIED TO MATERIALS. 7) CONSTRUCTION RELATED DISTURBANCE (TEMPORARY OR PERMANENT) TO THE LAKE SUBSTRATE IS PROHIBITED EXCEPT FOR DISTURBANCE ASSOCIATED WITH THE INSTALLATION OF BOLTS OR SIMILAR DEVICES NECESSARY TO ANCHOR THE APPROVED STRUCTURAL SUPPORT AND FENDER PILINGS. EXISTING BOULDERS IN LAKE TAHOE SHALL NOT BE REMOVED OR RELOCATED. CONSTRUCTION ACTIVITIES SHALL NOT INCREASE WATER TURBIDITY NOR CAUSE ANY SUSPENSION OF ANY LAKE SEDIMENTS IN THE WATERS OF LAKE TAHOE. 8) NO NEW BUOYS ARE AUTHORIZED AS A PART OF THIS PIER MODIFICATION PROEJCT. 	TOTAL 87 S.F. 4,366 S.F. PROPOSED COVERAGE RESIDENCE/DETACHED GARAGE 0 S.F. 2,175 S.F. PAVED/CONCRETE DRIVE 0 S.F. 313 S.F. DECKS/STAIRS 0 S.F. 884 S.F. ROCK WALKS/PADS 0 S.F. 170 S.F. CONCRETE WALKS/PADS 0 S.F. 550 S.F. WOOD WALKWAY/STAIRS 0 S.F. 274 S.F. BANKED 87 S.F. 0 S.F.	87 S.F. 1,453 S.F. TOTAL 2,175 S.F. 313 S.F. 884 S.F. 170 S.F. 550 S.F. 274 S.F. 87 S.F.	PROPOSED COVERAGE RESIDENCE DECKS/STAIRS/WALKS DECOMPOSED GRANITE A.C. PAVING BANKED TOTAL	CLASS 1b CLASS 2 TOTAL 0 S.F. 3,031 S.F. 3,031 S.F. 296 S.F. 1,336 S.F. 1,632 S.F. 183 S.F. 495 S.F. 678 S.F. 0 S.F. 697 S.F. 697 S.F. 96 S.F. 23 S.F. 119 S.F. 575 S.F. 5,582 S.F. 6,157 S.F.	PROPOSED COVERAGE RESIDENCE AND GARAGE A.C. DRIVEWAY CONCRETE PAVERS SHED DECK AND STAIRS COMPACTED DIRT PATH TOTAL	TOTAL 1,395 S.F. 637 S.F. 895 S.F. 170 S.F. 27 S.F. 533 S.F. 179 S.F. 3,836 S.F.



DESIGN GROUP

THOMPSON & FURUMOTO, INC.

SAGAN

