

# Lake Cavanaugh Addition

Project Location: **Lake Cavanaugh, WA**

Project Area: **560 SF (interior), 800 SF (exterior)**

Project Cost: **\$330,000 (Building and Bridge), \$155,000 (Landscaping for complete property)**

Tread lightly with a light touch

In the early 1990's, a client commissioned us to design a two-bedroom summer cabin on the shore of Lake Cavanaugh. The selected site was a  $\frac{3}{4}$  acre peninsula with a stream bisecting it. The stream overflows its banks seasonally, and combined with the lakes seasonal rise and fall, the available buildable area on the site was significantly reduced.

Embracing these site challenges, the original design separates the residence into two cabins located on opposite sides of the stream. One cabin is the "sleeping" cabin (646 SF) and contains the bedrooms and bathroom. The other "shared" cabin (768 SF) contains the dining, kitchen, and living functions. In addressing the site challenges, both cabins were raised on columns, allowing the waters to expand and recede at will; with both cabins joined by an enclosed unconditioned bridge straddling the stream below.

Years later, new owners came to our office with a request for an addition. The new clients, who live at the residence full time, envisioned an addition that would add another restroom and a shared space for yoga, music, and entertaining visitors or their visiting grandchildren. As their primary residence it was important for all living spaces to continue to be on one level, allowing for aging in place without restriction.

In designing the addition, it was critical to respect the site and the intent of the original design. The selected solution, after several iterations, was to add a third "guest" cabin (560 SF) that would connect to the existing "shared" cabin with a second enclosed bridge. The new bridge was designed to provide connectivity, movement, and access within the house and to the adjacent patio spaces. With operable glazed walls on both sides of the bridge, the owners have the choice of four options; fully enclosed, open just to the lake, open to the forest but sheltered from the lake, or fully open on both sides.

Matching the existing design language, the new cabin is also raised from the site and respects shoreline setbacks of both the lake and stream. A new pedestrian bridge allows easy at-grade access to both sides of the site without traveling around the original cabins. Two trees were removed for the addition, their trunks were sectioned and placed in the landscaping to serve as nurse logs.

The "guest" cabin has a shared living space, office, murphy bed, storage room, and restroom, as well as an overhead loft. Even with the addition, the footprint remains smaller than most homes on the lake. Materials and details are modest, natural, and durable; wood shakes, wood beams, wood flooring, and corrugated metal roofing.

The original design and drawings provided the "recipe" used to create an addition fitting with the original home. The impression from the water is of three distinct small cabins, standing lightly on the land. Thirty years span the addition and the original buildings, yet they feel as if they are all of the same vintage.

## SITE PLAN

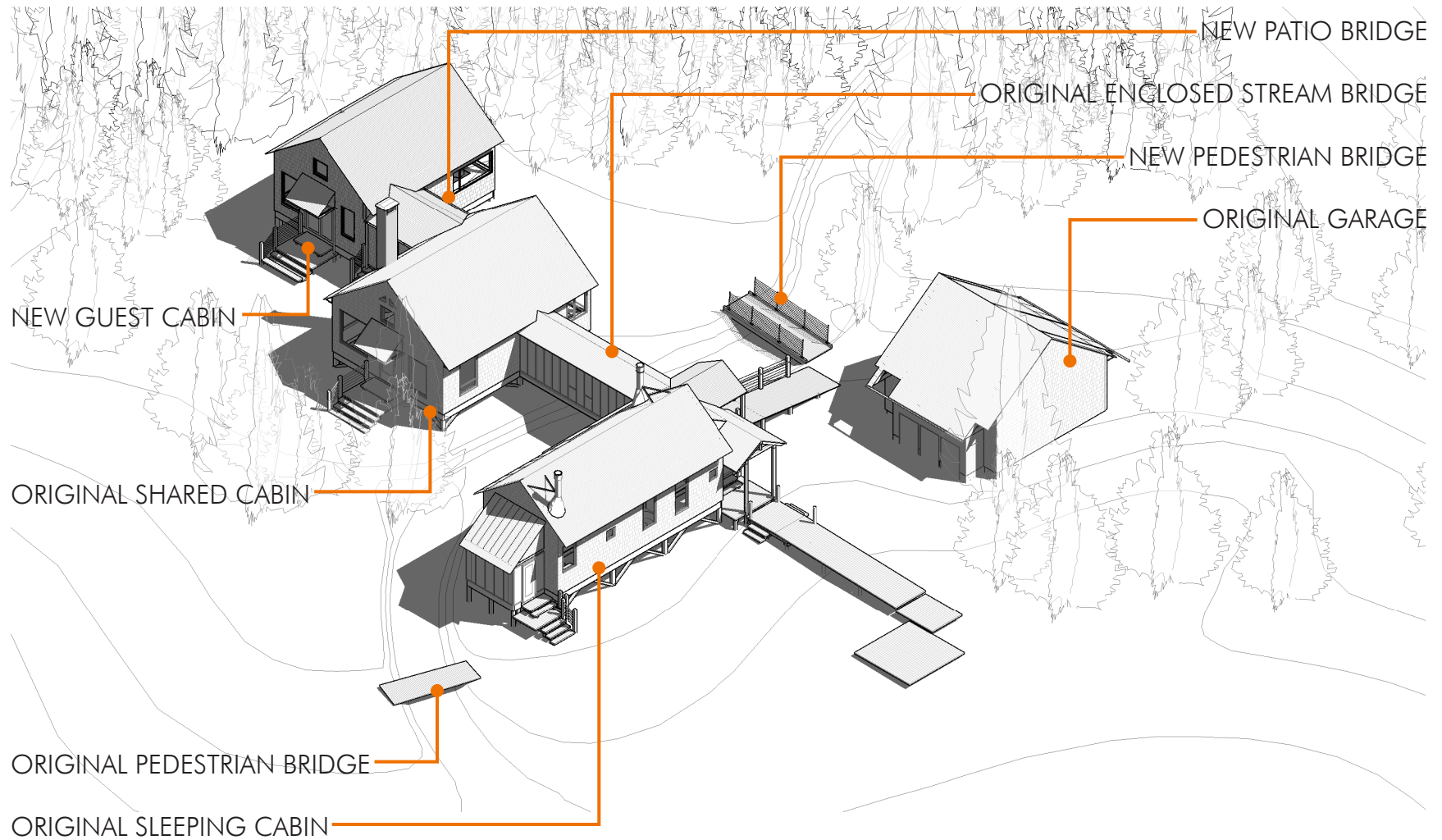


## LEGEND

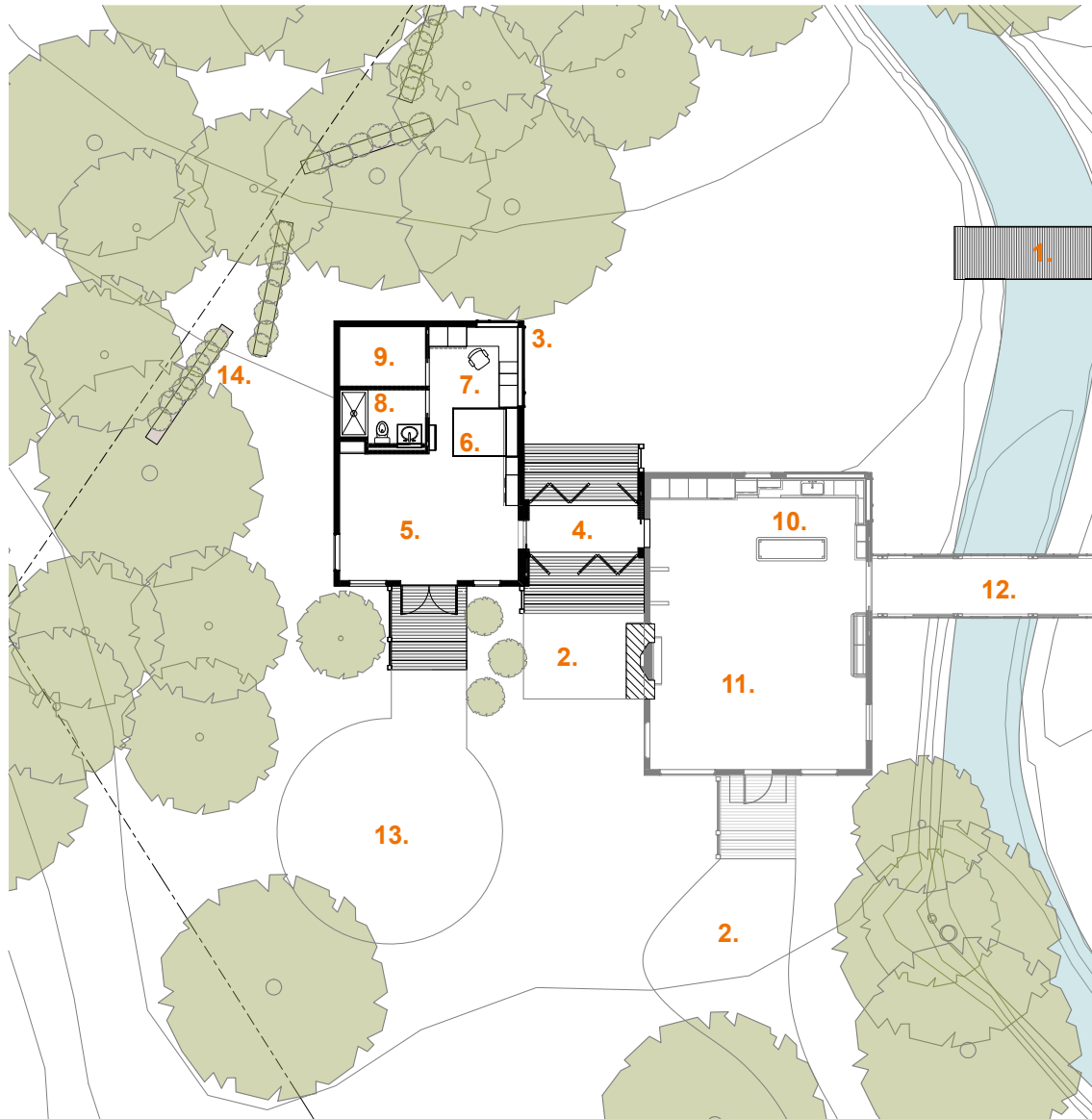
1. EXISTING DRIVEWAY
2. EXISTING GARAGE
3. NEW LANDSCAPE PAVING
4. NEW PEDESTRIAN BRIDGE
5. NEW COVERED MAIN ENTRY
- 6 "GUEST" CABIN ADDITION
7. NEW PATIO BRIDGE
8. EXISTING "SHARED" CABIN
9. EXISTING ENCLOSED BRIDGE
10. EXISTING "SLEEPING CABIN
11. EXISTING PEDESTRIAN BRIDGE
12. NEW FIRE-PIT PATIO
13. NURSE LOGS FROM REMOVED TREES
14. EXISTING BOAT DOCK
15. EXISTING GREENHOUSE.
16. EXISTING RAISED DECK
17. LAKE CAVANAUGH
18. PROPERTY LINE
19. NEW PLANTING MITIGATION AT STREAM



## FINAL DESIGN - SITE MODEL



# FLOOR PLAN



## LEGEND

1. NEW PEDESTRIAN BRIDGE
2. NEW LANDSCAPE PAVING
3. "GUEST" CABIN ADDITION
4. NEW PATIO BRIDGE
5. NEW FAMILY ROOM
6. NEW MURPHY BED
7. NEW OFFICE
8. NEW BATHROOM
9. NEW STORAGE CLOSET
10. EXISTING KITCHEN
11. EXISTING LIVING ROOM
12. EXISTING ENCLOSED BRIDGE
13. NEW FIRE-PIT PATIO
14. NURSE LOGS FROM REMOVED TREES



NORTH



EXTERIOR ELEVATIONS - COMPLETED PROJECT



ORIGINAL  
SLEEPING CABIN

IMPROVED  
ENTRY

ORIGINAL  
ENCLOSED BRIDGE

ORIGINAL  
SHARED CABIN

NEW  
PATIO BRIDGE

NEW  
GUEST CABIN

EAST ELEVATION



NEW  
GUEST CABIN

NEW  
PATIO BRIDGE

ORIGINAL  
SHARED CABIN

ORIGINAL  
ENCLOSED BRIDGE

ORIGINAL  
SLEEPING CABIN

WEST ELEVATION



UPGRADES AT ORIGINAL MAIN ENTRY



NEW COVERED ENTRY ROOF STRUCTURE, LANDSCAPING PAVER IMPROVEMENTS, REBUILT ENTRY ADA RAMP



ORIGINAL ENCLOSED BRIDGE ABOVE STREAM



VIEW TOWARDS SHARED CABIN



VIEW TOWARDS MAIN ENTRY



## ORIGINAL SLEEPING CABIN



ORIGINAL ENCLOSED BRIDGE



REBUILT STAIRS AND LANDINGS



ORIGINAL SLEEPING CABIN





ORIGINAL SHARED AND SLEEPING CABINS



ORIGINAL SHARED CABIN

ORIGINAL ENCLOSED BRIDGE

ORIGINAL SLEEPING CABIN SUNROOM



## ORIGINAL SHARED CABIN



REFINISHED CABINETS  
NEW COUNTERS



## NEW PATIO BRIDGE



COMPLETELY CLOSED



OPEN ONLY TO THE LAKE



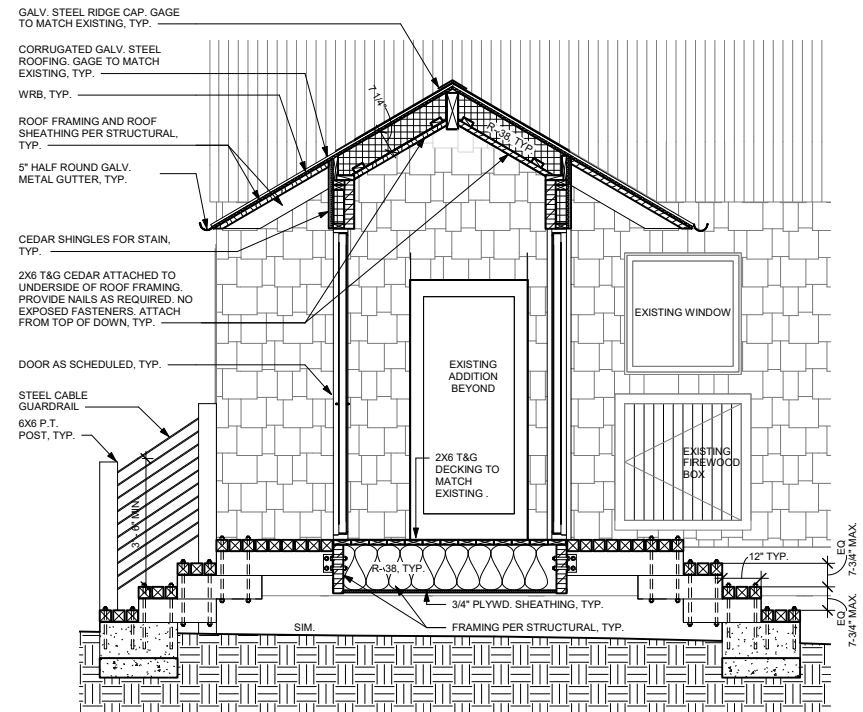
COMPLETELY OPEN - LAKE TO FOREST



COMPLETELY OPEN - FOREST TO LAKE  
(OPEN ONLY TO FOREST NOT SHOWN)



## NEW PATIO BRIDGE INTERIOR AND SECTION



THE USE OF SHINGLES ON THE END WALLS IS A CONTINUATION OF THE EXTERIOR WALL CONSTRUCTION. THIS IS CRITICAL FOR PROTECTING THE WALLS WHEN THE GLAZED SIDE PANELS ARE FULLY OPENED

THE EXTERIOR PATIOS ARE AN EXTENSION OF THE BRIDGE FLOOR LEVEL. THE OVERHANGING ROOF SHELTERS THE DOOR OPENINGS AND THE PATIO SPACES

## NEW GUEST CABIN





## NEW GUEST CABIN



## NEW GUEST CABIN



LOFT ABOVE RESTROOM AND STORAGE





## EXTERIOR - SITE FEATURES



NURSE LOGS



NEW PEDESTRIAN BRIDGE



UPDATED ORIGINAL DETAILING  
NEW FOUNDATIONS MIMICK THE OLD BY  
REPLACING WOOD COLUMNS WITH CONCRETE



GUEST CABIN AND PATIO BRIDGE WITH NEW PATIO LANDSCAPING





THREE CABINS FROM THE SHORE



NEW GUEST CABIN

ORIGINAL SHARED CABIN

ORIGINAL SLEEPING CABIN



## GUEST CABIN ADDITION



NEW GUEST CABIN, PATIO AND BRIDGE

ORIGINAL SHARED CABIN

ORIGINAL SLEEPING CABIN (BEYOND)