

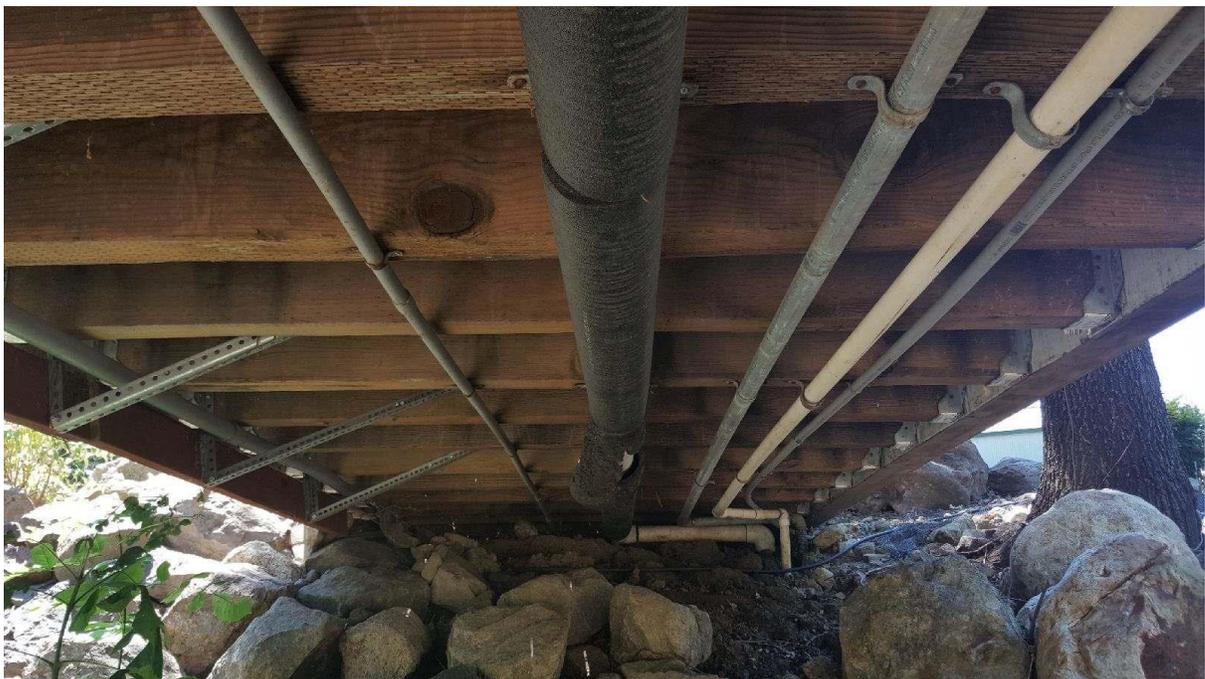
Under the Engineered Bridge

The attached picture shows under the bridge. The utility's that are under the bridge are:

1. Gas line going to the barn to supply gas for an overhead heater in the work area.
2. A telephone/intercom line to provide land-based phone service to the barn while simultaneously providing phone intercom between main house and pool house.
3. Solar system feed to the main power panel/meter for the main house and pool house. Note that the solar system feed for the cottage does not have to cross the creek and goes underground from system inverters to the power panel/meter at the cottage.
4. Reverse Osmosis (RO) treated and purified water for domestic and fire suppression needs at the main house and pool house and pool auto fill. The cottage domestic water does not have to go under the bridge.
5. Untreated well water from a separate 3000-gal irrigation tank behind the barn. The other tank behind the barn stores 5000 gals of RO Treated water.

As you look at the left side of the picture you can see a braced header board on the upstream side which is lower than the "feed lines" discussed above and was designed to deflect and protect the feed lines during times of high water. It has worked well for 12 years.

Under the bridge



Solar System

The solar system is a “net generator” of power comprised of 140 MAGE, German manufactured, solar arrays coupled with four Power Tech Plus inverters producing an estimated energy of 38,063 KWh/yr.



Water Treatment system

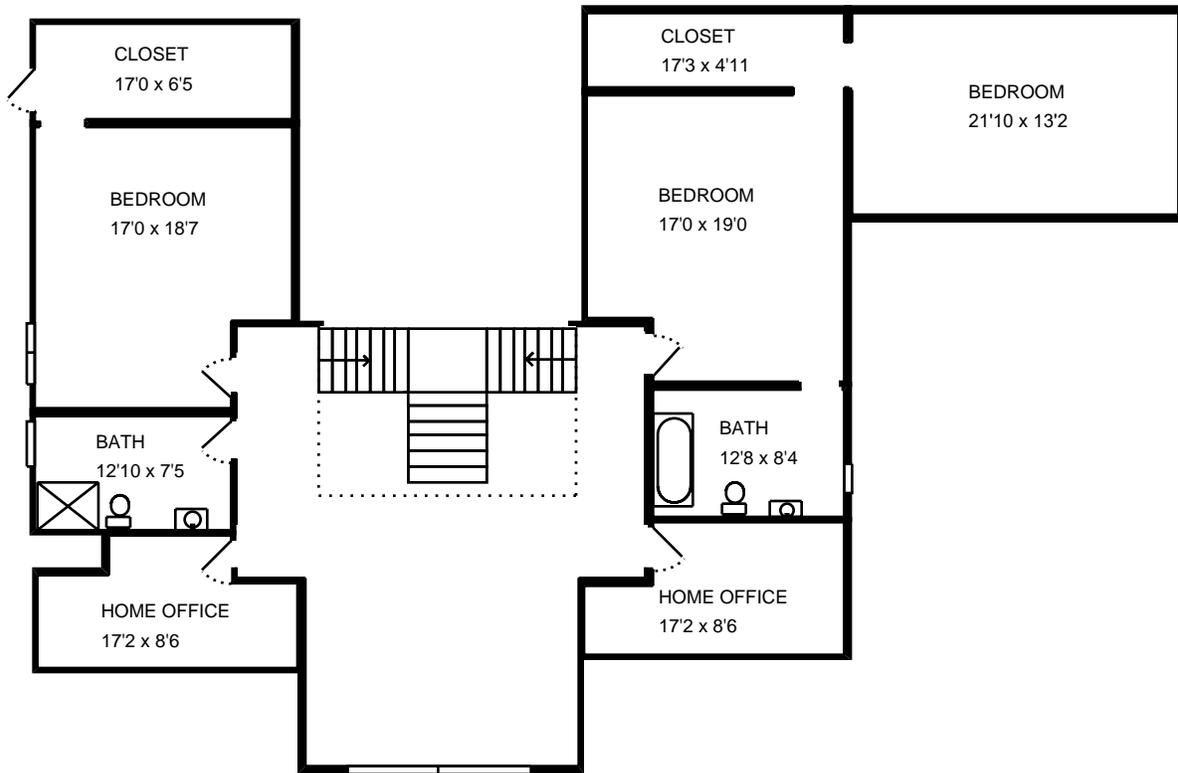
The water treatment system is a Kinetico Reverse Osmosis TL Series system with final stage ultra violet light treatment providing superior treatment of well water for domestic consumption in all buildings.





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