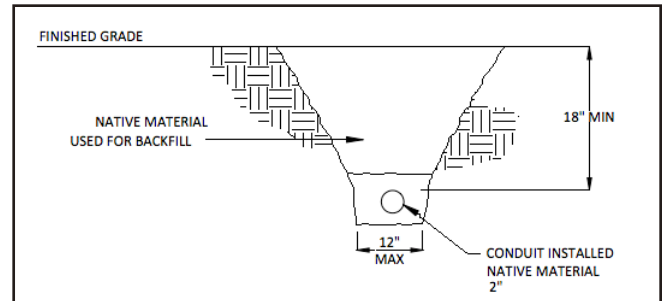


Welcome to The Sea Ranch and the Sea Ranch Connect Fiber Network! The Sea Ranch Connect fiber network is community owned and supplies broadband Fiber Internet connectivity services to residents of The Sea Ranch. This document outlines the requirements of developers and builders necessary to connect a new residence to the Sea Ranch Connect community fiber network. This information allows us to be confident that our eventual customer can enjoy all the benefits offered by Sea Ranch Connects fiber network. We encourage a “pre-construction” meeting with all parties prior to actual construction to ensure Sea Ranch Connect requirements for service are installed properly for the best quality of service.

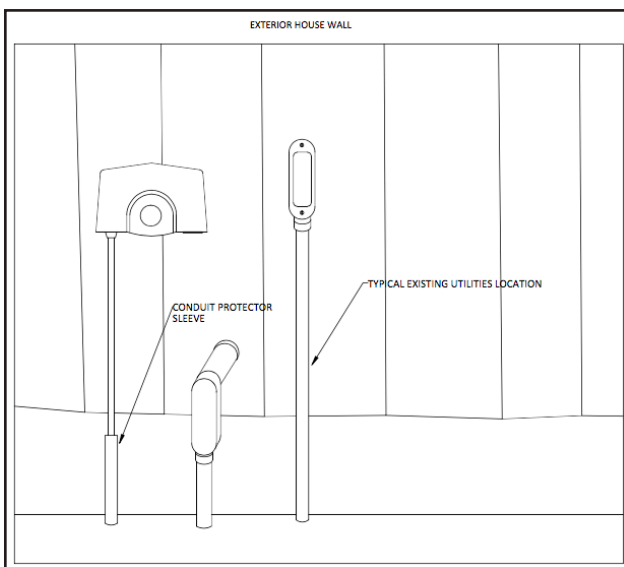
Every residential lot in The Sea Ranch has fiber allotted from a network vault located in the street, which is terminated in a small vault on each property. Connecting to the network requires specific infrastructure be installed for each home. If this infrastructure is not installed during construction it can be installed by Sea Ranch Connect field teams at a cost to the resident. Installation of this infrastructure during the home’s construction typically allows for a significant cost savings. Although connectivity to the Sea Ranch Connect network is not mandatory, following these specifications during construction can significantly reduce the cost to the home owner if they choose to connect to the network in the future.

### Conduit & DMARC

Connecting a Sea Ranch home to the Sea Ranch Connect fiber network requires a dedicated PVC conduit of 2” diameter from the existing Sea Ranch Connect vault on the property edge to a connection point on the home. The conduit should be buried 18” below the surface and have no more than two 45° sweeps. The end point at the home should be the location where the home owner prefers their Sea Ranch Connect DMARC, or demarcation point, to be located on the side of the home. The DMARC is where fiber will be terminated in a



small junction box installed on the side of the home. This point should be on the main residential structure and in a central point to the living area as the main Internet gateway, or modem is installed on the inside wall opposite this location. If the home owner is having a structured wiring media cabinet installed as part of construction it may be a good location for the demarcation point depending on the owner’s wireless and wired Internet needs. Determining the Sea Ranch Connect demarcation point should be discussed with the home owner as changes to this location after construction will require additional fiber installation by Sea Ranch Connect technicians at a cost to the owner.

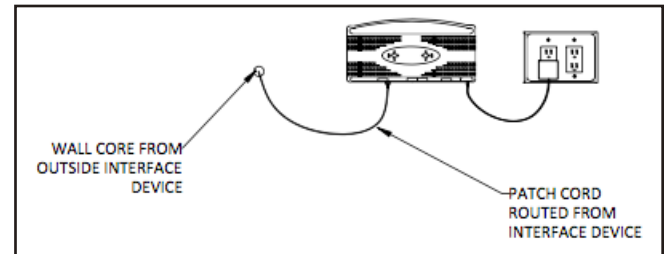


### Electrical & Cabling

Once construction is completed, fiber is pulled through the conduit pathway and terminated by Sea Ranch Connect field technicians. A small fiber junction box is affixed to the side of the home at the DMARC and the fiber Internet Gateway, or router, will be installed inside the home opposite this point. Fiber optic cable will be penetrated through the wall via a 1/4”

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diameter hole from the junction box to the gateway location on the inside wall. This hole will be sealed following installation with silicon and will not be visible from the outside. The home Internet Gateway installed by Sea Ranch Connect following construction requires a dedicated 110v electrical outlet for power. This outlet should be located within 3' of the gateway location.



In some cases, a resident of The Sea Ranch will want to place their in-home network gateway in a different location than near the demarcation point. In these cases, the resident can request the gateway to be placed deeper within the home beyond their demarcation point via an additional in-home fiber run, or through an extension of fiber on the outside of the dwelling. Ideally a raceway or conduit would be installed within the home for Sea Ranch Connect to utilize to complete this extension. It is important to consult with Sea Ranch Connect and the home owner prior to the completion of construction to install this cabling prior to occupation to minimize additional costs to the owner.

### **Construction Requirements of Sea Ranch Connect:**

- 2" conduit buried at least 18" from the network plant at, or near the edge of, the property to the home with no more than no more than two 45° sweeps.
- Internal dedicated 110v electrical outlet on the inside wall where the conduit terminates at the structure. This outlet needs to be within 3 feet of where the home gateway will be installed.
- In-home conduit raceway for distribution or extension of services (optional).

### **Items to review with the home owner and Sea Ranch Connect prior to construction:**

- Desired placement of home gateway and plan for in-home network category cable and Ethernet jacks.
- Wireless Internet home distribution plan.
- Structured wiring media cabinet option placement.
- Servicing multiple structures on the same lot.

Again, we encourage a "pre-construction" meeting with all parties prior to actual construction to ensure Sea Ranch Connect requirements for service are installed properly for the best quality of service. Please reach out to us at the contact information below so we can meet with you and your team. Sea Ranch Connect is part of the community and is here to provide the best Internet service available on the coast.

Sea Ranch Connect  
24/7 Operations Center  
1-866-270-1613  
support@searanchconnect.org

**Contact us for more information, or to order:**

 **1-866-270-1613**  **support@searanchconnect.org**  **searanchconnect.org**