



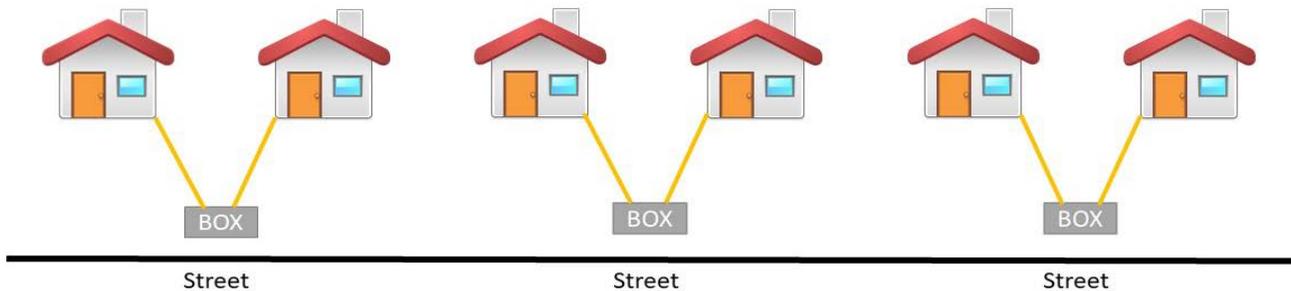
# Make sure your new home is fiber ready!

**Congratulations!** The lot you have purchased is 'fiber ready' thanks to your developer. Bringing you fiber optic service will require the installation of a fiber optic line all the way from the street into your new home. So now we need to make certain that your new home is also built to be 'fiber ready'.

Installing a conduit path from the street into your home for fiber is your responsibility, along with providing a standard 110v outlet to power the indoor fiber equipment to be installed by the City. You can meet these requirements in 3 easy steps:

**1. Install a conduit from the correct yard box out by the street to an acceptable location against the foundation of your home.**

You will want to start your fiber path by locating a yard box with a lid labeled 'fiber optic' straddling the edge of your lot and your neighbor's. This yard box was installed by your developer out by the street edge. There is only one of these boxes every two homes, so you will only have one on one side of your home, not both sides (as shown). This is the box that your fiber drop cable will come out of to go to your home.



Now you need to determine where you want the fiber to enter your home. Since there are no special requirements, like power for the exterior transition box, you will likely want to select a location for aesthetic reasons and because it is easy to trench from the box at the street to that location on the home.



It is important to remember that the fiber cable run outside your home is much different than the fiber run inside your home. The fiber run down the street and up to your home is rated for burial and has a copper wire attached which is only used to locate the underground line. The City requires these underground lines to be installed in an underground conduit or duct to ease possible repairs. The fiber run inside your home is much more flexible and can be easily damaged if not handled or installed properly. The transition between outdoor and indoor fiber will be made in a small outdoor box mounted to the side of your home. The box is reasonably innocuous, being typically about 6" x 8" x 2" and gray in color (as shown), although you may not want it on the front of your home directly facing the street.

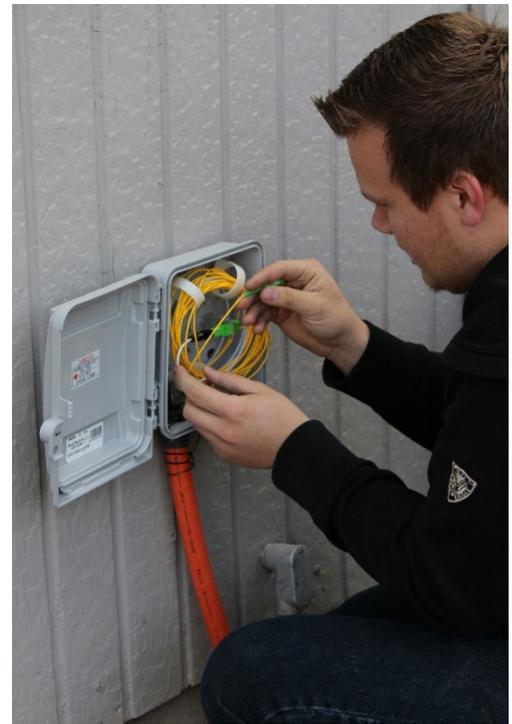
Knowing the end points for your underground conduit, you will want to dig a 30" - 36" deep trench between these two locations being careful not to undermine the fiber box at the street or to hit any of the ducts or cables inside or around the box. You will need to install a conduit in this trench from inside the yard box to the side of your home where you want your outdoor transition box mounted. This underground conduit needs to meet the City's specifications and you can purchase the length you need directly from the City by calling and arranging a time to pick it up. Be sure to measure the distance from the yard box to the home and work with the City to obtain your conduit. Install the conduit in the trench so that 4 to 6 inches stick into the box and out of the ground just below where you want your transition box mounted. Be sure to tape over the ends to keep the conduit clear until the City installs your drop. Do your best to lay the conduit as straight as possible and fill in the trench. You will need to exercise some care to be certain the conduit is clear and usable or we will not be able to install your drop without having you install another conduit, something neither of us wants.

**2. Install a 3/4" conduit from the exterior of your home to the interior location where you want to set your indoor fiber optic equipment.**

Next you will need to install a 3/4" conduit through your home as it is being built. One end of this conduit needs to be exposed on the exterior of the home approximately 30" to 42" directly above the end of your underground conduit stubbed out of the ground against your foundation. The other end needs to terminate where you want to set your indoor equipment. Give consideration to where you want to set your wireless router as it is best to set your fiber equipment right beside your firewall or router. Keep in mind that there will be no power run through this conduit, only a fiber line transmitting infrared light. Products like Blue Carlon Conduit (smurf tube) are easily run and readily available. Please run a string through the conduit which will be used to pull in the fiber line. Once again make sure that you leave a few inches sticking out of your exterior wall. You will also want to be certain that your conduit is clear and usable with gradual bends and no kinks,

otherwise you will have to install a new path after the home is finished, which presents a great deal more work.

Please tape over the ends to protect the path once the conduit is installed.



**3. Provide a standard 120v outlet within a few feet of the interior location so you can power your indoor equipment.**

The indoor equipment the City will set for you is approximately 8" by 11" and 2" thick (as shown). It requires a standard outlet for power. We also recommend that you consider installing a standard battery backup to protect the unit and provide power in an outage after you move in.

**Please feel free to contact us with any questions** by calling 208-612-4081 or emailing [fiberinfo@cityofammon.us](mailto:fiberinfo@cityofammon.us). We would like to install the fiber lines and equipment before you move into your new home so that you are really 'fiber ready' the day you move into your new home.