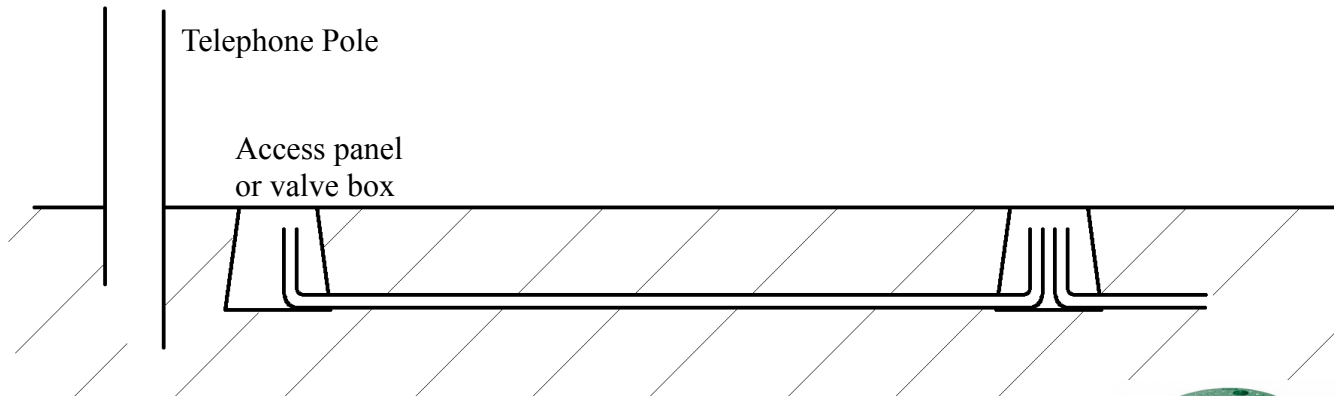


Putting in Conduit



1) Conduit needs to go at least until the point where the last houses fork. A below ground access panel (or valve box) should be at the junction for every home and no more than 450' between boxes. Plan with the future in mind.



Valve Box

2) PVC should be 12"-18" deep. (Trenchers can be rented at Home Depot. One guy I talked to said it took him 4 hours to trench 450 feet.)

3) Conduit should be 1½ inch, unless there are several homes. Then use 2". "Schedule 40 gray" is preferred but not required (\$0.80/ft, Platt). (Gray protects from *external* damage.)

4) Use "large radius elbows", not normal right elbows.



5) Lay a tracer wire along the outside of the conduit. You can use any sheathed wire. 14/1 THHN is \$25 for 500' on Amazon.

6) <http://www.callbeforeyoudig.org/oregon/index.asp> to locate lines – is a free service. DIYers, use it!

7) 500 foot pulling line, \$15 on Amazon. Pull the line through the conduit as it's installed. You don't want to mess around with a balloon and vacuum to get it pulled.

8) Doing this after a few weeks of rain is a great idea. Doing it in August when the soil is a baked concrete isn't.

9) YouTube "How to Get a pipe under a concrete driveway" for a messy, cheap solution to that problem.



Direct Bury:

10) YouTube "Bury 100ft of wire 10in deep in 10 minutes without any mess." He's using a "Trencher Edger."

