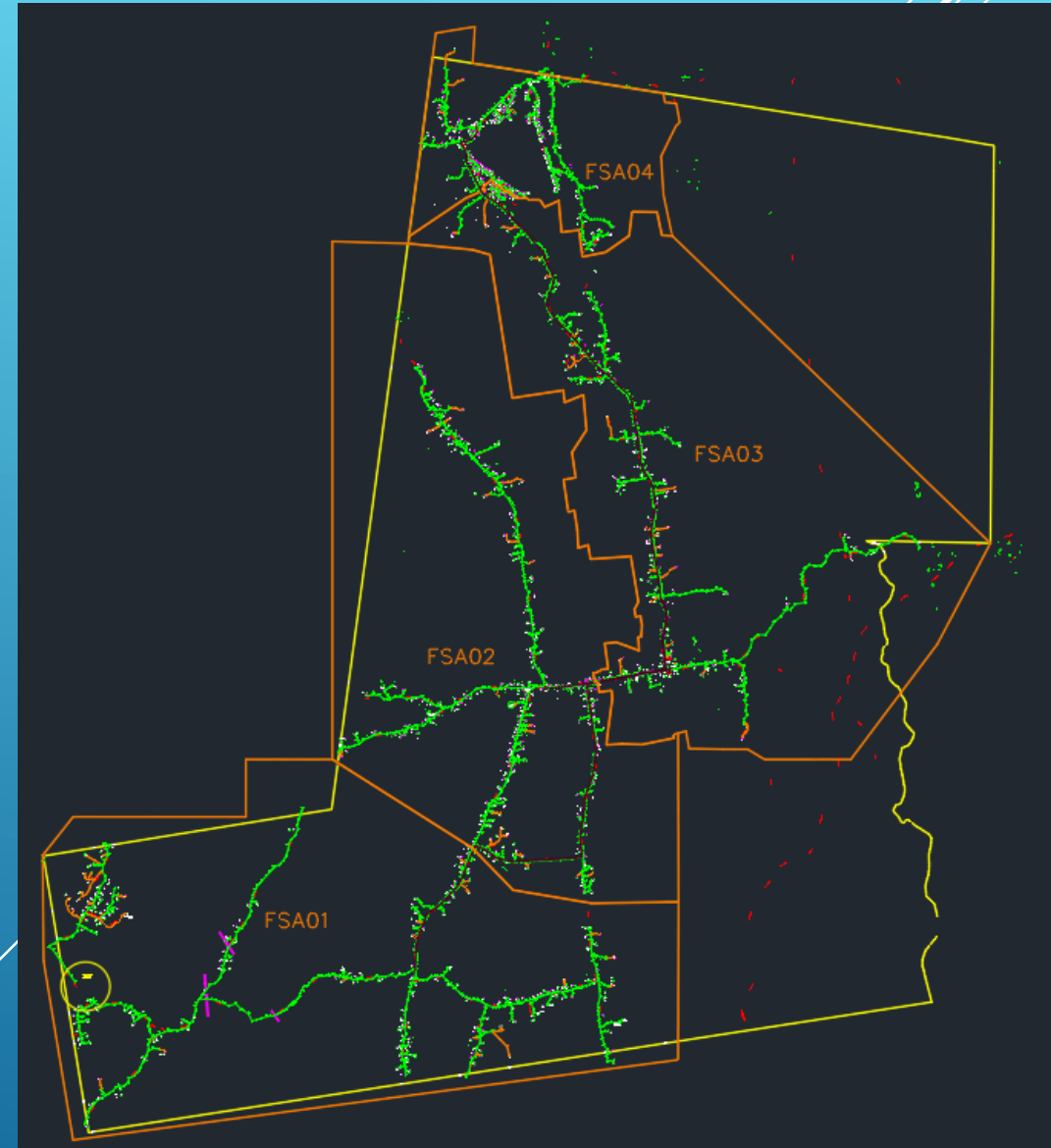# SHUTESBURY BROADBAND NETWORK DESIGN

This presentation gives a brief overview of our engineering design. This design was completed by Precision Valley Communications, a firm based in Vermont that specializes in fiber optic network design. The process was managed by Westfield Gas & Electric.

The images you see are the (almost) final computer-aided-design (CAD) specifications that will be used by our network builders to bring broadband to your home.

OUR PROJECT BY NUMBERS

44.78 – The number of miles
of our completed network

100%– The percentage of households
and buildings the network will reach.
Nobody is left out!

75+ %– The percentage of households we
expect to take service (60% sent in a
deposit in 2014!)

WHAT WILL IT COST?

$60 - $75/mo for just internet
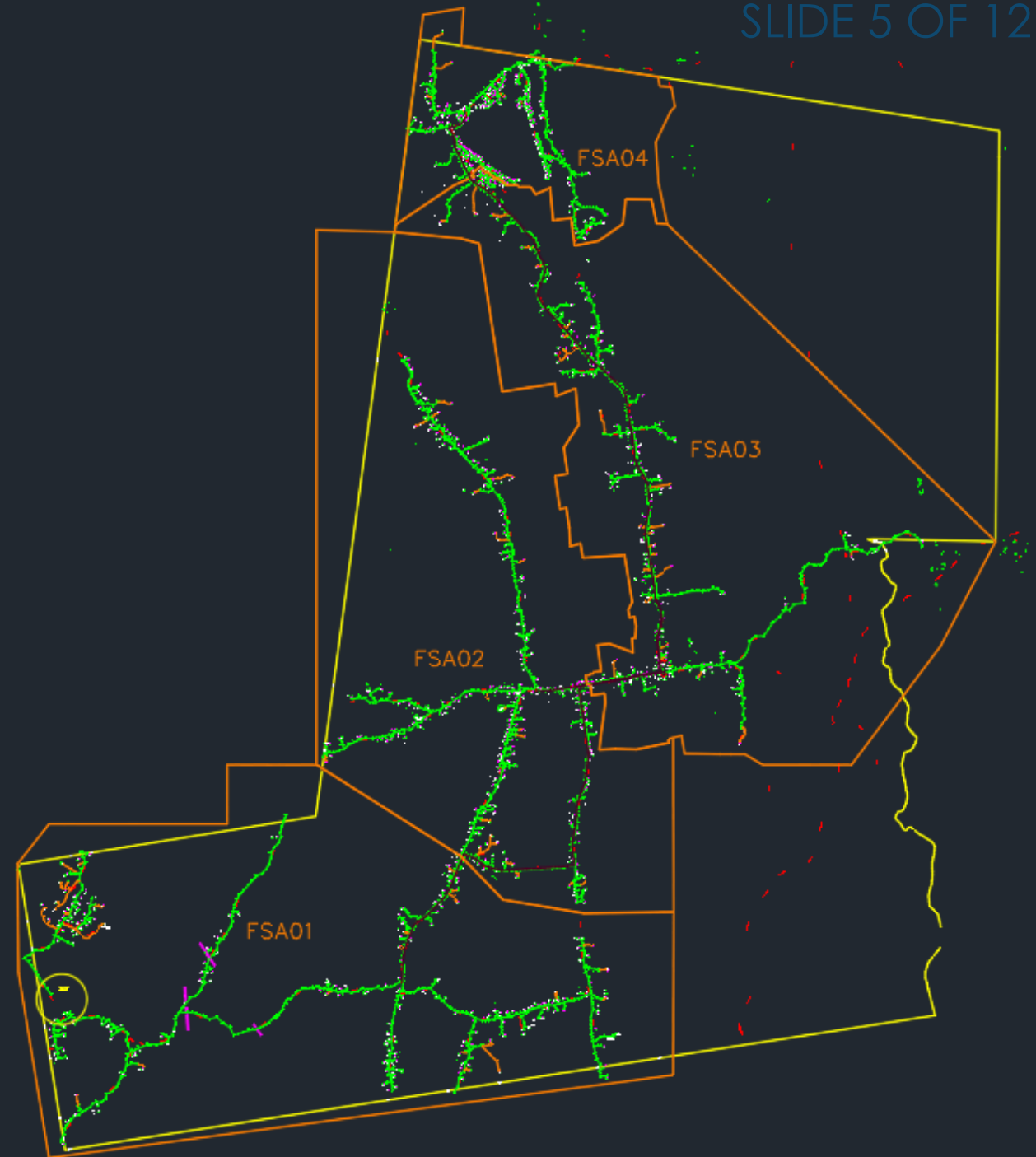$80 - $99/mo for internet plus phone (unlimited local and long distance with all the phone features you expect like voice mail, call waiting, caller ID, etc.)

We don't know exact cost yet because we won't have quotes back from operators until July. But based on our initial RFI (request for information) we already know prices will be close to this range.

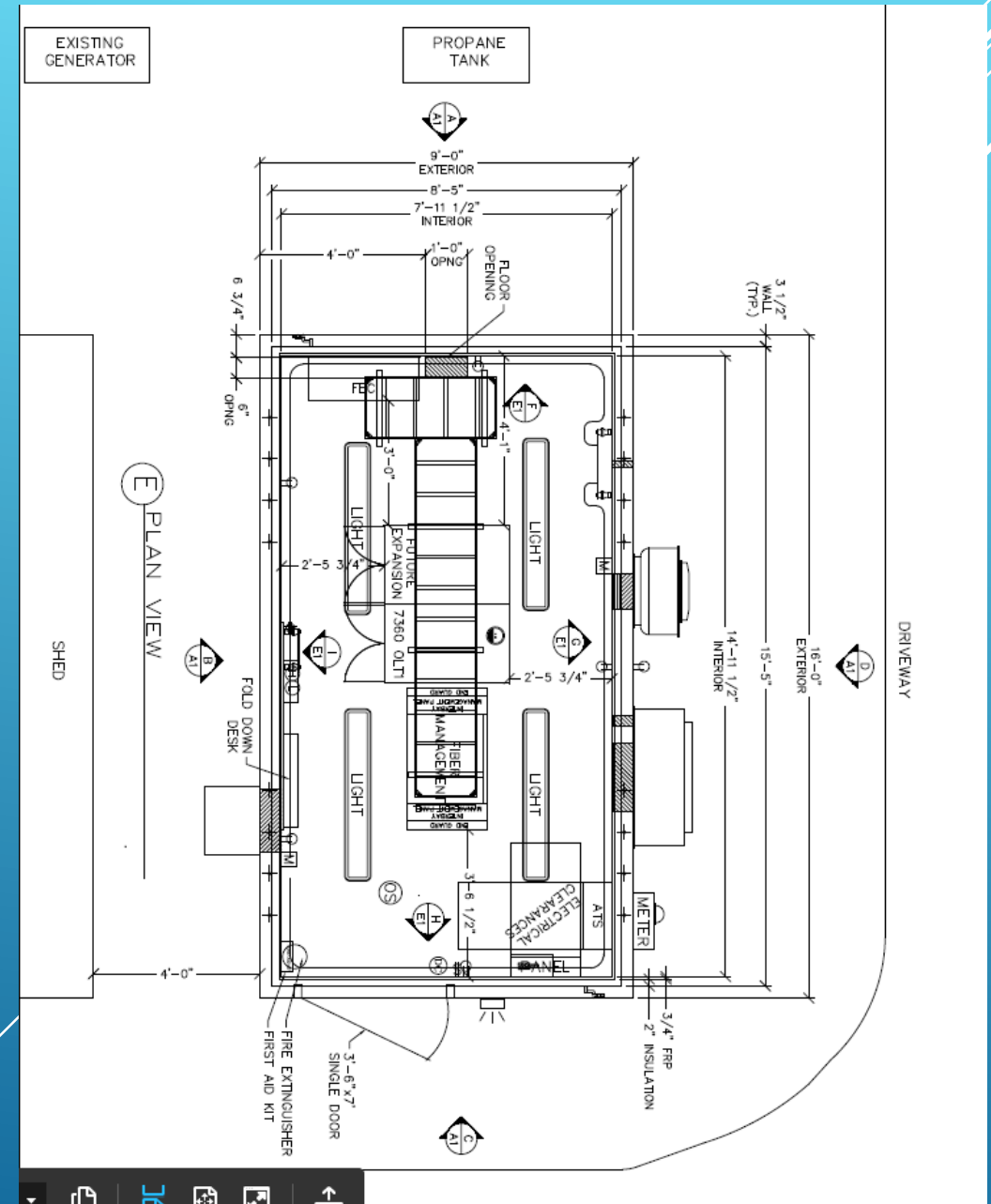# OUR PROJECT HAS FOUR FSAS (FIBER SERVICE AREAS)

What's yours?

The order of build to be determined by our construction firm. (Just because you're in FSA01, it doesn't mean you'll be first!)

HERE'S THE DESIGN FOR THE 9 X 16' NETWORK SERVICE CENTRAL HUT (LOCATED AT THE TOWN HALL)

This will be located where the recycling shed is now. Shed will be moved back towards solar panels.

WHEN THE POWER GOES OUT OUR NETWORK STAYS ACTIVE!!

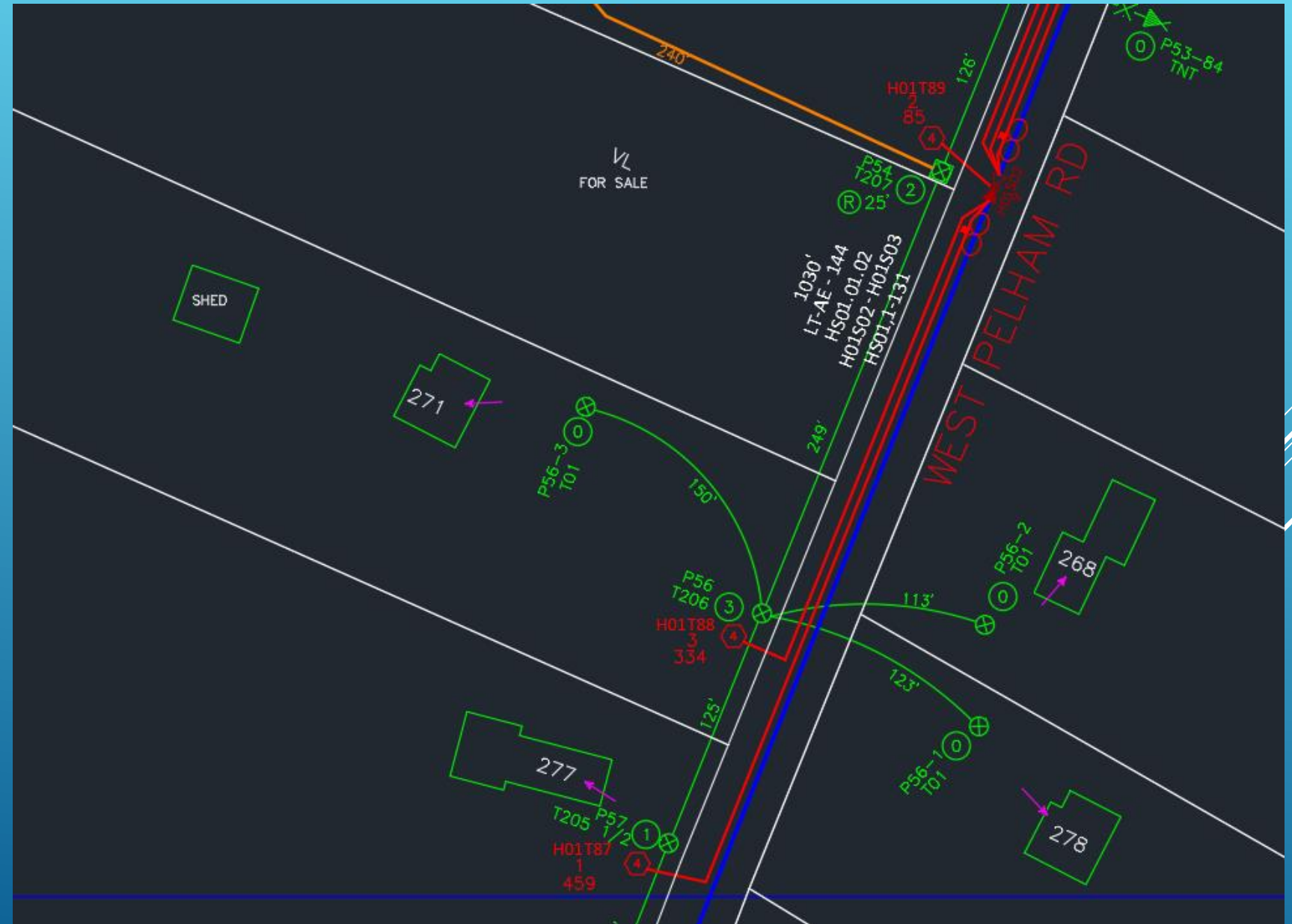Here is what our generator at the town hall will look like.

Here's an example of what the design looks like at the detailed level.

Red and blue lines are the network backbone.

Green squares are buildings with house numbers inside them.

Green lines are the existing telephone/electric network (our network will follow these).
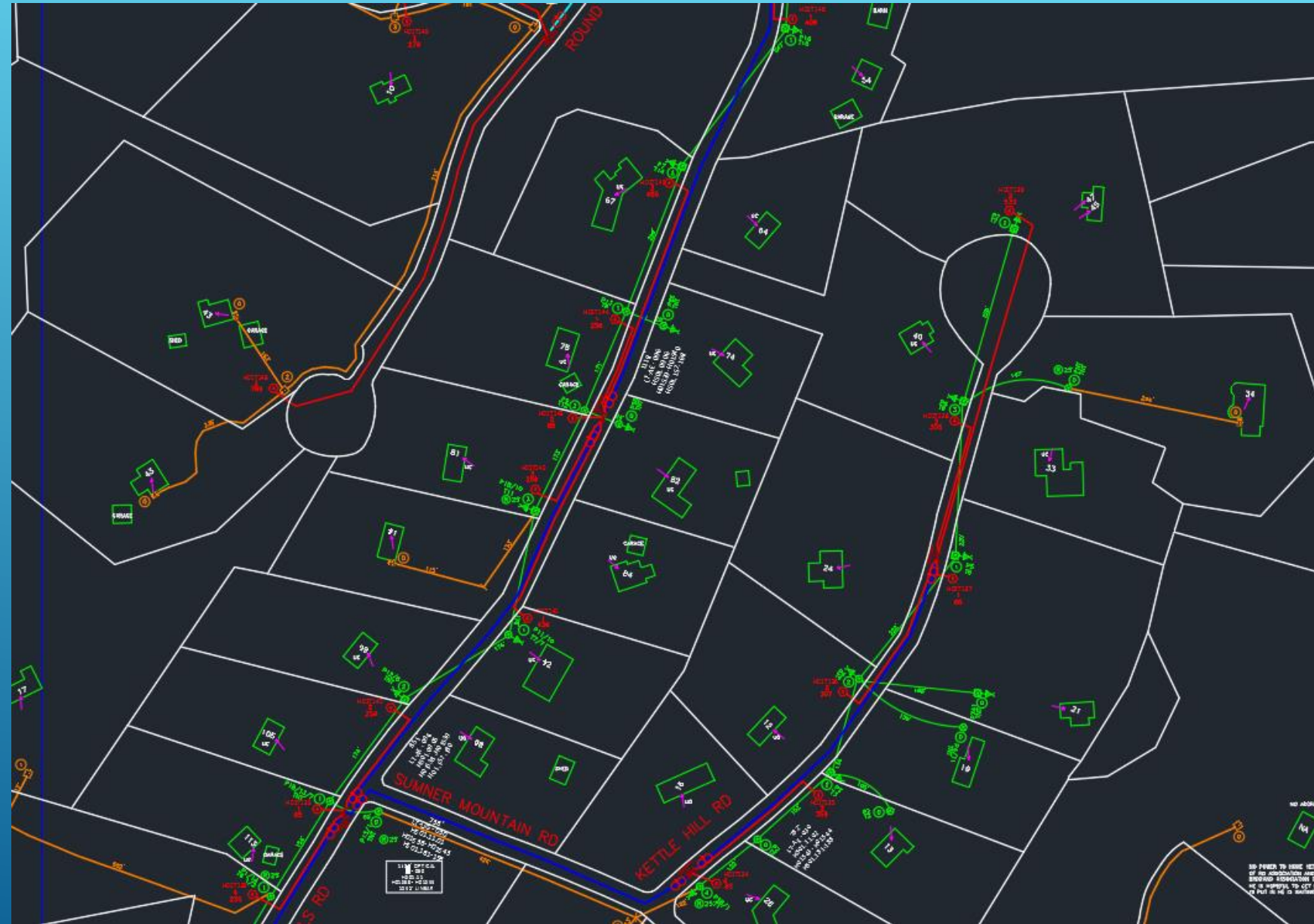
Here is what a populated area looks like (January Hills Area).

Red and blue lines are the network backbone.
Green squares are buildings with house numbers inside them.
Green lines are the existing telephone/electric network.
Orange lines are where the network goes underground.

Orange triangle is central hut at town hall

Guess which area this is?

WATER

Oversize F2 by 48 fibers

WHEN WILL THIS FINALLY BE BUILT?

Backbone network complete early 2019!

All houses with service spring 2019!