GIGAPOWER

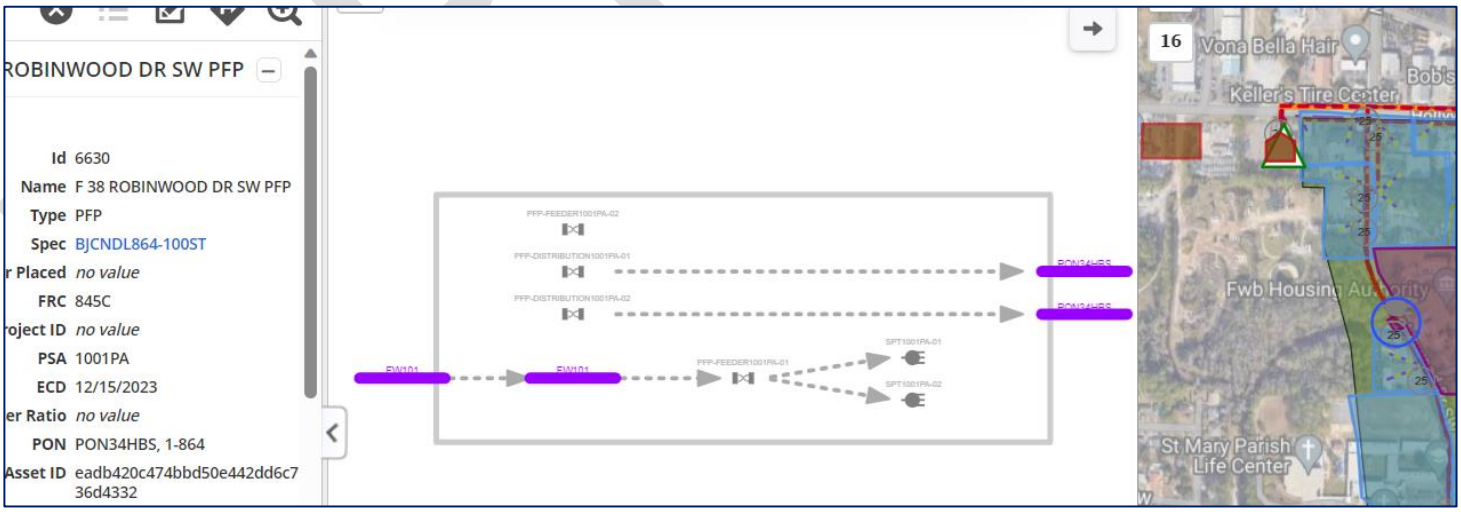
IQGeo Information and Checkpoints Prior to Sending Project to Service Now

Publishing: Clarification, definition, and action of publishing a design in IQGeo:

- First - clarification: publishing a design is NOT related to Service Now.
- Second - definition: publishing is used ONLY to provide a view of completed work for use with another related project. An example of this is using a backbone fiber project to feed a PSA.
- Lastly - the action: DO NOT PUBLISH a design without knowing exactly why you need to. By selecting the "publish" button in IQGeo, this moves ALL project information to the "record" which becomes an intelligent "picture" of the plant and associated detailed information saved for record recording purposes.
    - Important! - Publishing a project will cause all information to "fall off" the send to service now. This includes address information for Service Now
    - Once you hit publish – the actions above are not reversible.
    - The result of publishing before information is successfully sent to service now causes significant manual intervention to fix the addresses in the PSA.

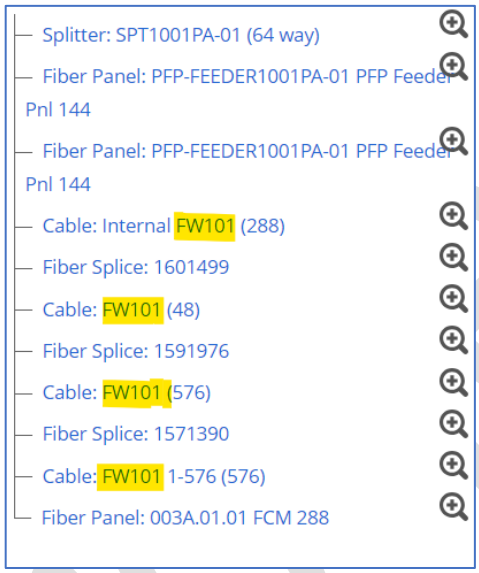
Checking the project for a successful send to Service Now:

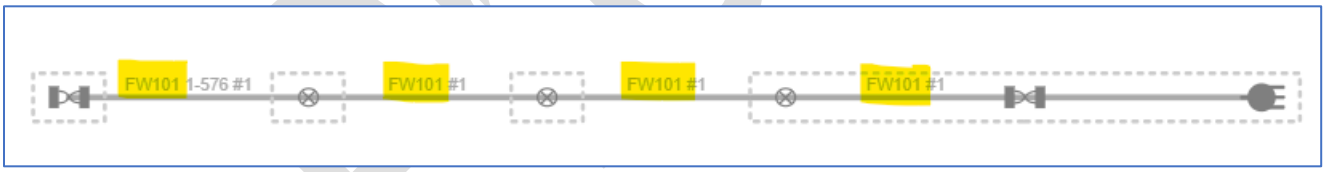
Suggestion is to start with selecting the PFP and using the schematic view in IQGeo Network Manager:



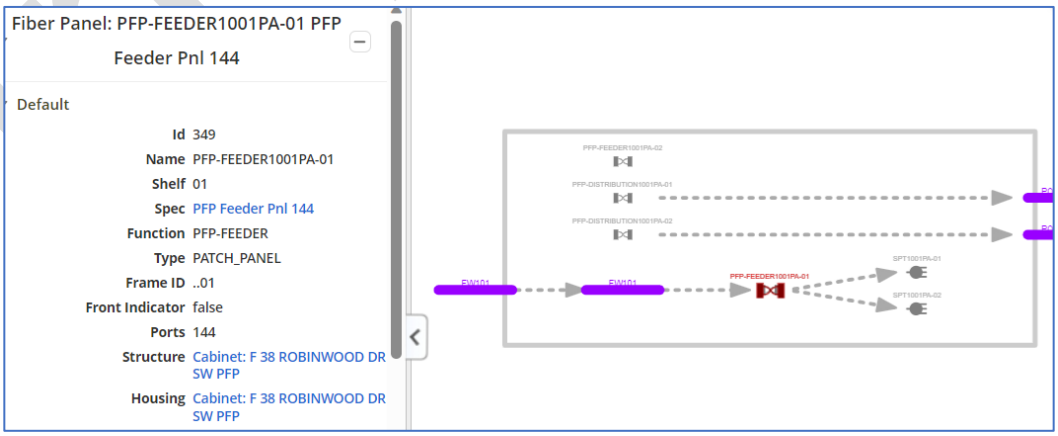
Next: Look at the PFP panels:

- Check both the in and out panels. Accuracy of all entered information is a must!
  - The size of PFP and its panels must match the equipment placed in the field.
  - The PFP name must be correct and the same on all panels.
    - Note: DO NOT PLACE THE PSA ITSELF IN THE ADDRESS
  - Naming for everything is built on the PSA Name in the design.
  - Feeder F1 cable name must match the cable name feeding panels at PFP.
    - Cable name/count leaving office must be same name all the way through to the panels.
    - Splitters – run traces to look for discrepancies.
      - Right click on the splitter and select “trace upstream” (towards CO) – note cable name!

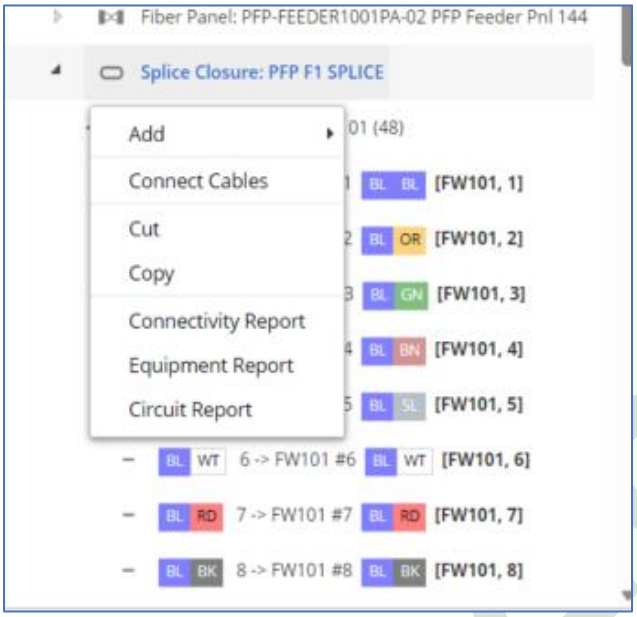


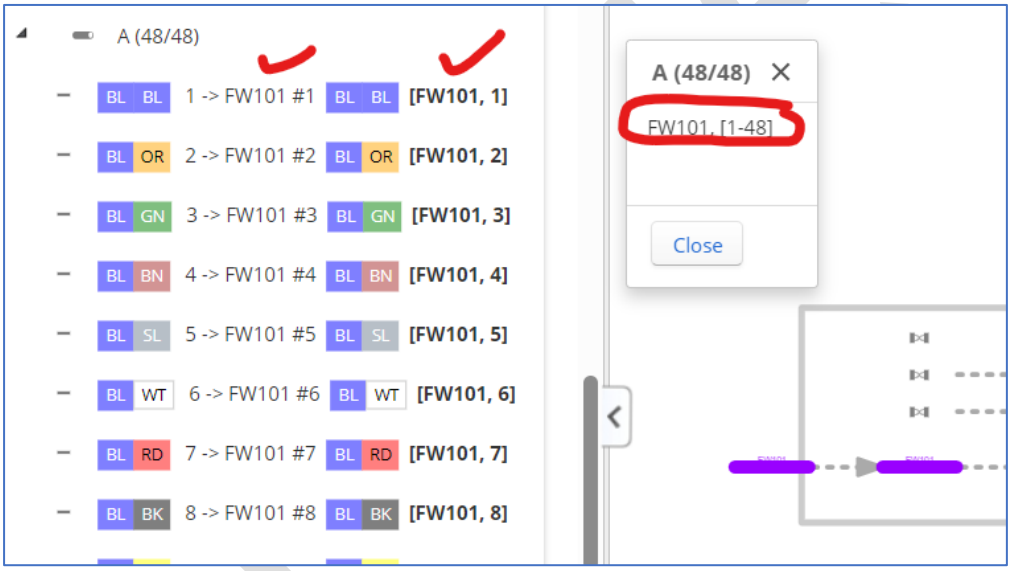


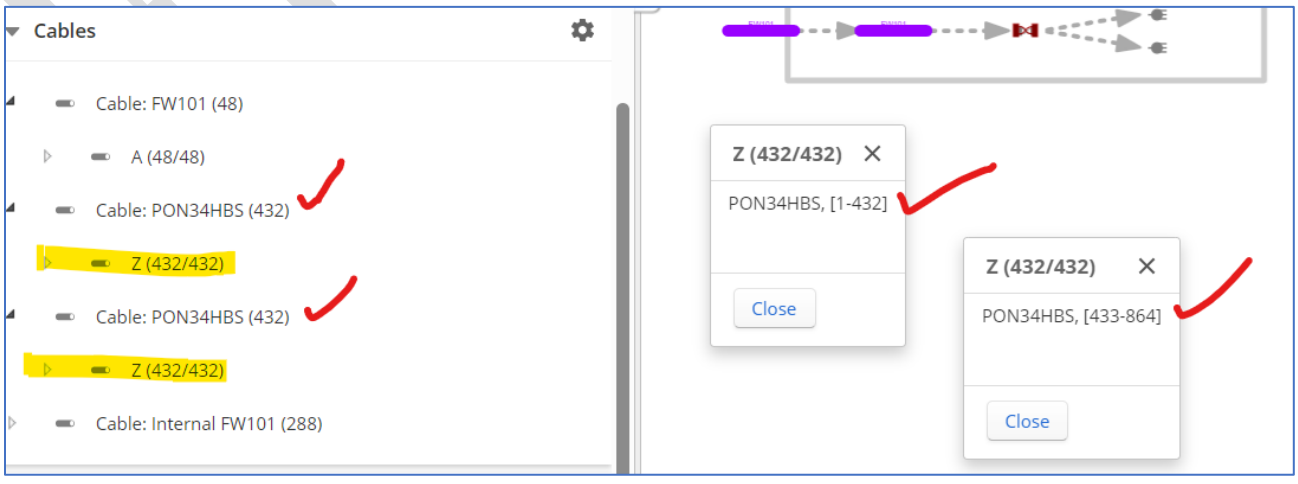
  - Hover over PFP panel – validate the connection to the panel name matches the fiber assignments!
  - Be sure you are connected to the correct AOP panel.



- Review LOC on all F1 cables for the correct feeder fiber name throughout the path.

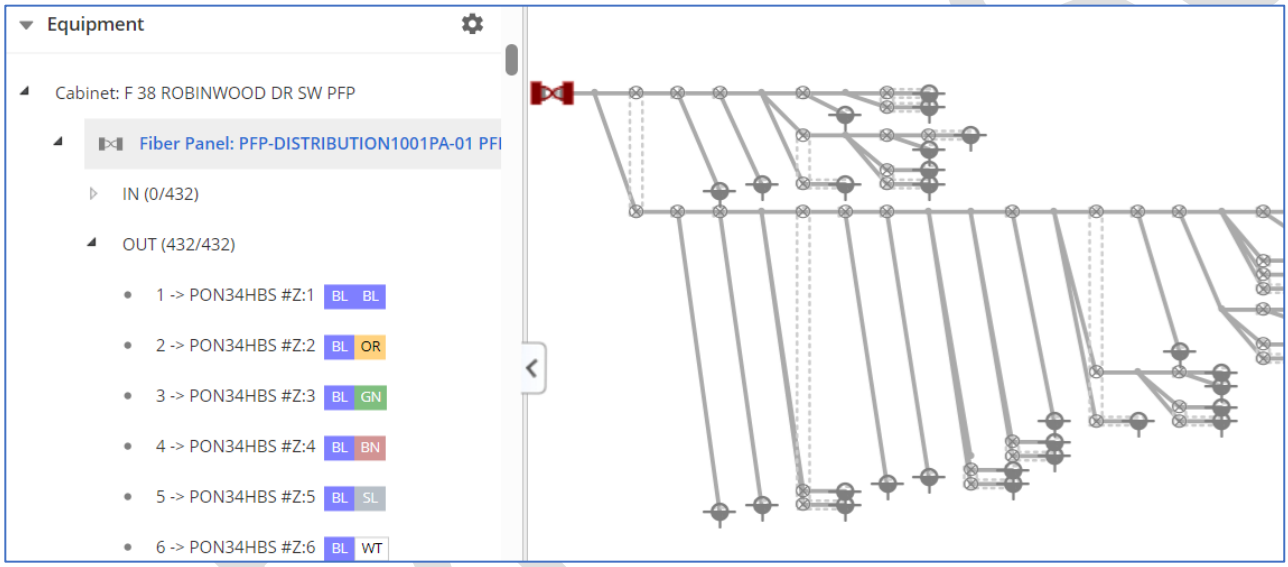






- PON cables – need to run traces.
    - Right click on the splitter fibers and select “trace both.”
        - Upstream – towards office
        - Downstream – towards field (away from office)
        - Review all FSTs to ensure they are connected to the PON cable.

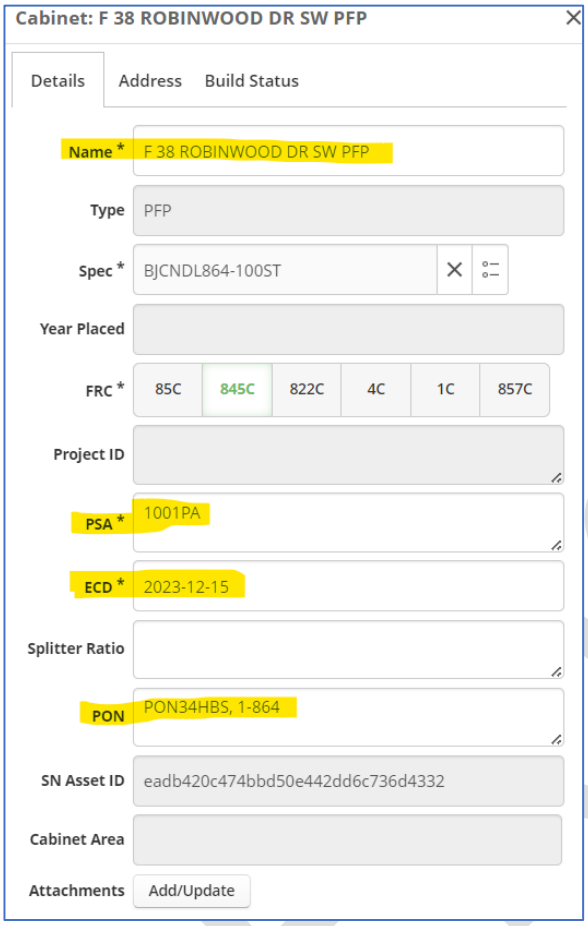
- Review results of trace function to be sure ALL drop clusters accounted for. Look for unassigned or missing FSTs (must correct).



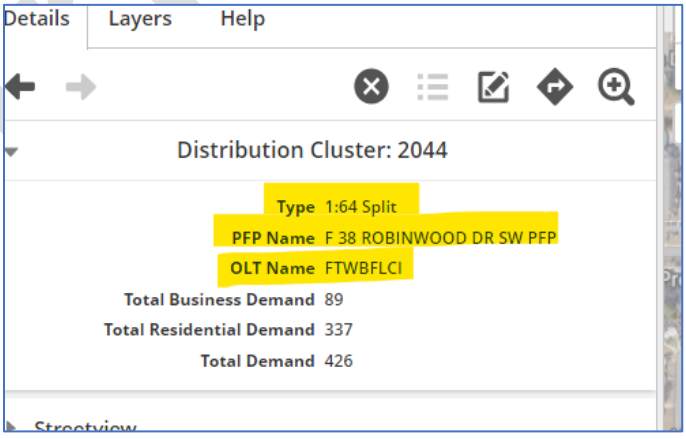
- A Splice Closure is required to connect (splice) cables.
    - Closure does not need all the specifications fields filled out (OK to do so).
    - Connect cables via. closure – need to right click the closure to select “Connect Cables.”
    - Check cables to ensure proper counts, names and ripples are correct.

PFP

- DO NOT PLACE THE PSA ITSELF IN THE CABINET NAME
- PFP needs correct PSA entered in format of “XXXXPX”
- The PFP ECD for in service date needs to reflect actual date desired for “available to sell.”
- PFP needs the F2 PON cable name in this format: “PONXXXX, 1-864”



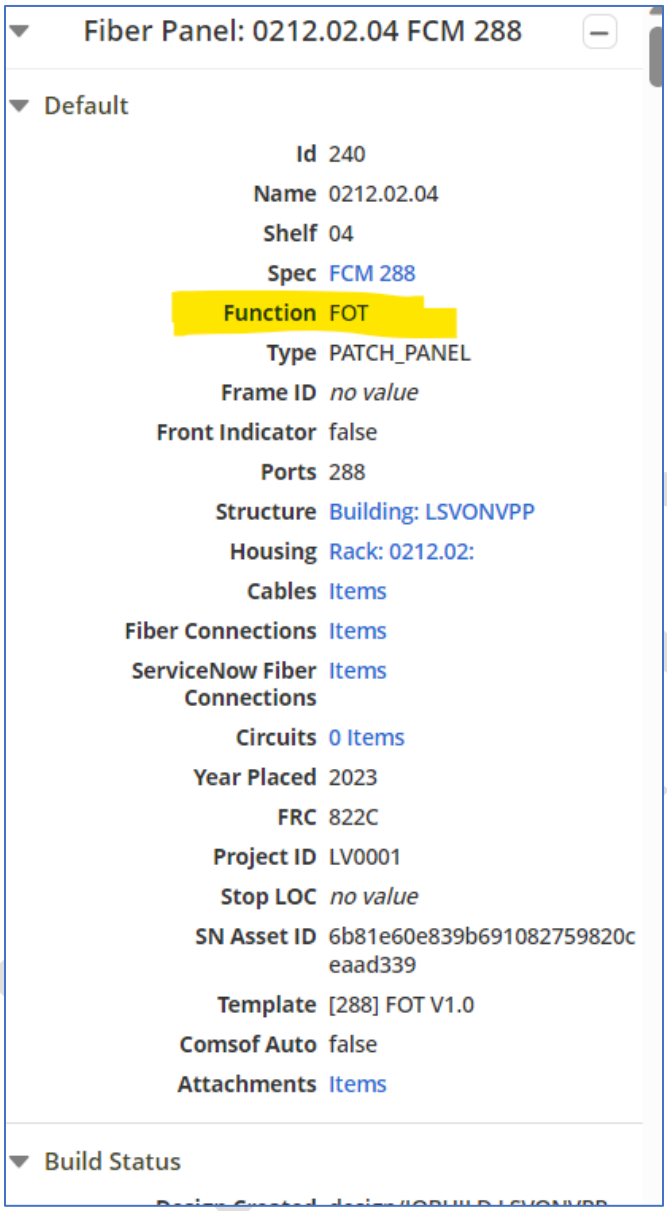
- Distribution Cluster PFP name must match actual PFP name for the cabinet



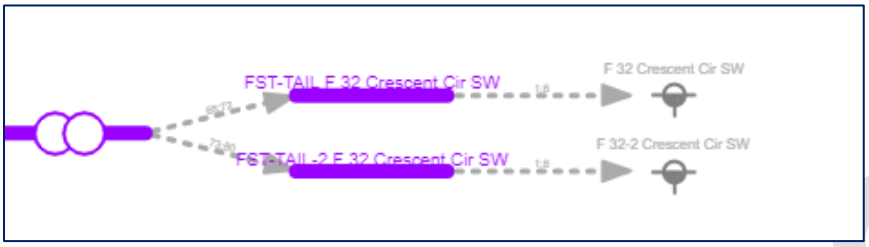
- PFP Full address section must be filled out – accurately! (match USPS addressing)
    - Full street address – proper USPS address as example below
    - House Number
    - Street Name
    - Street Direction

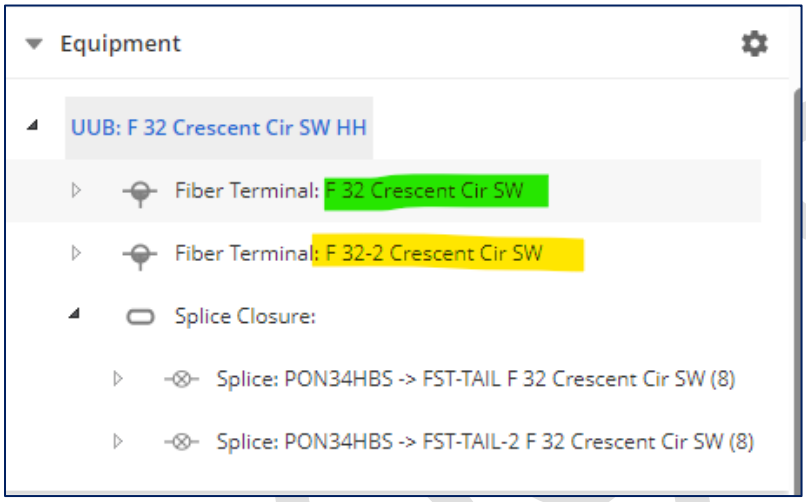
AOP FDP must have the function of “OSP” (inside plant function – set in SN from FOT to OSP)

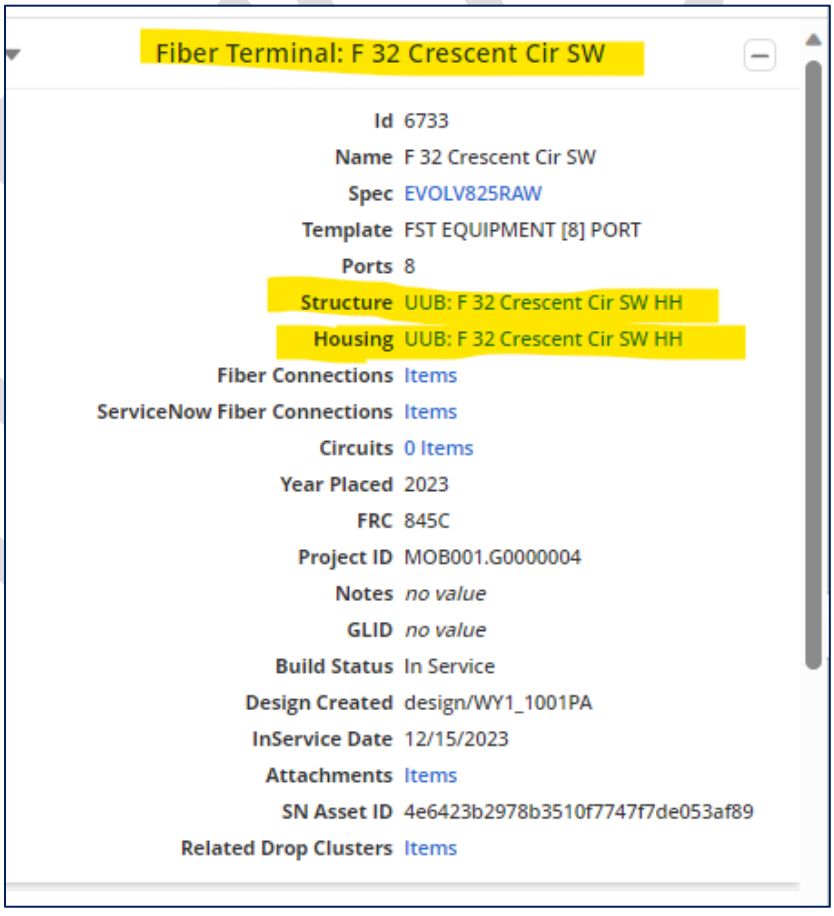
The example below shows the panel incorrectly set as FOT – **correct example is on the right!**



Double terminals in a HH must have the same name as the UUB structure itself. This is due to the hierarchy being lost with two FST names in the structure.







Some general items to understand, validate and review:

- The design validation should be free from action items or errors.
- Verify the counts are correct via. the LOC OR you can visually verify by looking at the color counts under each cable for the correct PON fiber names.
- Early – publishing - If some demand points are missing due to early publishing error – open and then re-save each of the individual MDU boundaries and Drop clusters on entire project.
- AOP must have the same CLLI as the Design CLLI – ALL CLLI codes must match throughout the project.
- Upon Design moving to “Path Creation” – all features will go to “planned” status – CLs, GLIDS will go to pending.
- Upon Design moving to “InService” features will go to “in service” status.
- Any address in a MDU boundary or any blocked address will not receive a GLID.
- Ensure any filled in field or data entry does not have spaces in front of any data they input. “ SPACE” (do not add spaces to entries)
- Be sure to remove multiple cable paths that are not needed.
- Check the footage in spans to ensure accurate cable lengths.
- Be careful to correctly add the correct material you want to use.

How to remove and/or validate addresses outside of PSA boundary:

- In progress - Hill

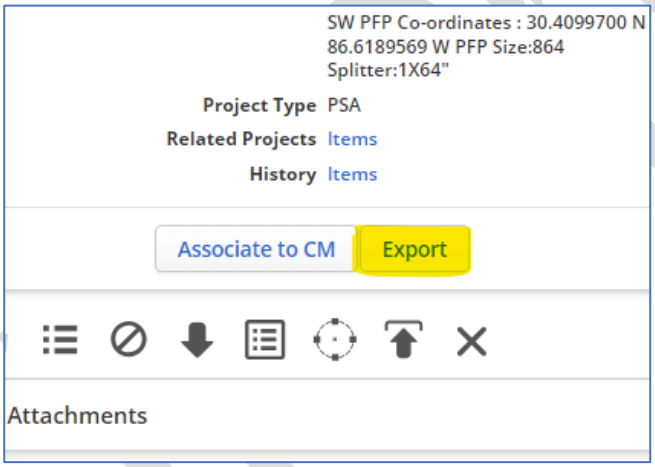
Creation of the PON circuits performed:

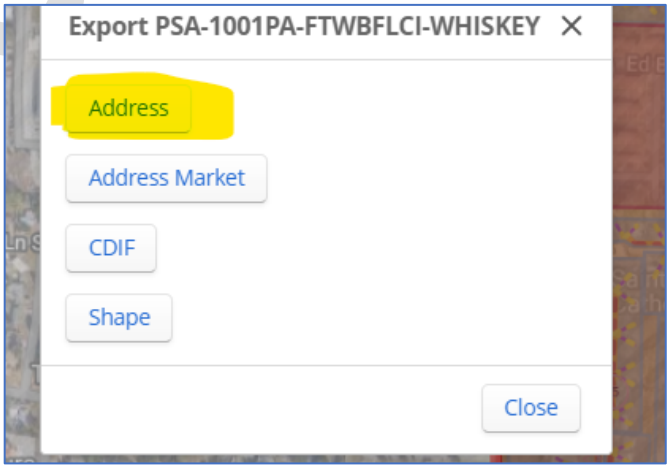
- once addresses sent to SN (successfully)
- fiber test performed (successfully)
- Data is sitting in pending – then OK to create circuit path (Marcus)

Last action to closeout in IQGeo which will initiate moving of all address to “in service”.

Customer Location Check – Use check **address report** in IQGeo (see below for screen shots).

- Select export in the active PSA (see pic 1 below).
- Select “address” to create the report (see pic 2 below)
- Upon opening - filter report
    - Column S – FST build status.
        - Filter to “In Service”
        - Count CLs
    - Column BW – GLID
        - Filter for “blanks”
    - If no GLID in BW – problem!
        - Look at Column T - “FST asset ID” in report – blanks are bad!
            - NO FST terminal
            - Look at terminal name
            - Look at drop cluster name
            - Review – select “Related drop” clusters in the FST terminal features and be sure it goes to correct addresses and drop cluster.
    - Look at Column CO - “sn-asset_id”
    - If populated = “yes” means the data is in service now





Missing FST level addresses? If missing “FST_ASSET_IDs” are encountered when reviewing CL extract – it’s likely the UUB (HH) address is missing or incorrect. All UUB’s must have a valid USPS address properly entered in IQGeo.

Sample CL report missing “fst_asset_id” (note F 42 Hollywood – all address missing GLIDs):

	demand_provisioned	demand_	fst_	fst_nar	fst_glid	fst_build_statu	fst_asset_id	dist_cluster_id	dist_cluster_typ	dist_cluster_pfp_name
0	FALSE	Yes	6726	F 30 Hollywood Bl		Planned	c28c42c0478bbd50e442dd6c7	2044	64	F 38 ROBINWOOD DR SW PFP
1	FALSE	Yes	6726	F 30 Hollywood Bl		Planned	c28c42c0478bbd50e442dd6c7	2044	64	F 38 ROBINWOOD DR SW PFP
1	FALSE	Yes	6726	F 30 Hollywood Bl		Planned	c28c42c0478bbd50e442dd6c7	2044	64	F 38 ROBINWOOD DR SW PFP
1	FALSE	Yes	6726	F 30 Hollywood Bl		Planned	c28c42c0478bbd50e442dd6c7	2044	64	F 38 ROBINWOOD DR SW PFP
1	FALSE	Yes	6726	F 30 Hollywood Bl		Planned	c28c42c0478bbd50e442dd6c7	2044	64	F 38 ROBINWOOD DR SW PFP
1	FALSE	Yes	6726	F 30 Hollywood Bl		Planned	c28c42c0478bbd50e442dd6c7	2044	64	F 38 ROBINWOOD DR SW PFP
0	FALSE	Yes	6726	F 30 Hollywood Bl		Planned	c28c42c0478bbd50e442dd6c7	2044	64	F 38 ROBINWOOD DR SW PFP
1	FALSE	Yes	6726	F 30 Hollywood Bl		Planned	c28c42c0478bbd50e442dd6c7	2044	64	F 38 ROBINWOOD DR SW PFP
0	FALSE	Yes	7774	F 34 Hollywood Bl		Planned	b87c0a80478bbd50e442dd6c	2044	64	F 38 ROBINWOOD DR SW PFP
1	FALSE	Yes	7774	F 34 Hollywood Bl		Planned	b87c0a80478bbd50e442dd6c	2044	64	F 38 ROBINWOOD DR SW PFP
0	FALSE	Yes	7774	F 34 Hollywood Bl		Planned	b87c0a80478bbd50e442dd6c	2044	64	F 38 ROBINWOOD DR SW PFP
0	FALSE	Yes	6709	F 42 Hollywood Bl		Planned		2044	64	F 38 ROBINWOOD DR SW PFP
0	FALSE	Yes	6709	F 42 Hollywood Bl		Planned		2044	64	F 38 ROBINWOOD DR SW PFP
0	FALSE	Yes	6709	F 42 Hollywood Bl		Planned		2044	64	F 38 ROBINWOOD DR SW PFP
0	FALSE	Yes	6709	F 42 Hollywood Bl		Planned		2044	64	F 38 ROBINWOOD DR SW PFP
0	FALSE	Yes	6709	F 42 Hollywood Bl		Planned		2044	64	F 38 ROBINWOOD DR SW PFP
0	FALSE	Yes	6709	F 42 Hollywood Bl		Planned		2044	64	F 38 ROBINWOOD DR SW PFP

Fill out all UUB address fields accurately (see example below) this example worked to gain the GLIDs!