

## **SandyNet Comments for Cascade Creek Development**

I have attached our boiler plate explanation for new developments below, outlining intent and code requirement sections for reference.

SandyNet is a department of the City of Sandy which operates a dry public utility. SandyNet design requirements are similar to other broadband and telecommunications standards, such as depth, type of pipe, hand hole size, etc. The main differences for SandyNet infrastructure are that the materials, their cost, and the installation of the conduit and vaults are placed solely on the developer, much like the other public utilities. Conduit should follow the plans provided by SandyNet; however, modification can be arranged with approval from SandyNet. Vaults should be set within the PUE at finished grade and all conduits should sweep into vaults and up to sides of the homes. Please see design requirements for full list of standards. Below are the relevant code sections of the development code that contain broadband infrastructure.

17.84.20A

17.84.60A

17.84.70

17.100.260

17.100.310K

Once the developer receives a preliminary or final power plan from PGE, SandyNet will be able to provide a development plan following PGE's path. SandyNet will attempt to follow the proposed common trench as much as possible. When common trenches are not optimal or possible, SandyNet may require alternate lines be placed or adjusted. SandyNet is open to exploring and changing the layout so long as it falls within our design guidelines. Upon placement of the conduit, a SandyNet representative will verify the conduit path before the trench is filled or closed. Please reach out to one of the following contacts below if you have any questions or need to schedule an inspection. Please send the PGE power plans to both contacts.

## **Contacts**

Ron Yow

SandyNet Construction Lead

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IT Director

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## **Infrastructure Standards (After PGE Preliminary Design is Provided to SandyNet)**

### **Last updated on 7/26/2022**

Install 2-inch Schedule 40 or 2-inch or 1.25" HDPE conduit from existing SandyNet Pedestal and throughout neighborhood as shown on the SandyNet infrastructure requirements plan.

Maintain minimum 36" radius on all conduit sweeps and bends

Install vaults and hand holes of varying types as specified. Vault part numbers are referenced in map legend.

Vaults to be set with minimum of 4" crushed rock below rim/skirt of vault.

Vault lids to be labeled with FIBEROPTIC if supplied from provider

Place 210lb Polyline pull string in each conduit and secure ends.

Top of vault lids to be set at final grade and approved by SandyNet staff

Install 1-inch schedule 40 or minimum ¾" HDPE conduit to the service demarcation point of each home premise from the appropriate serving vault/hand hole as defined in the design.

### **Additional Vault Requirement Modification**

Due to high costs and low availability of service vaults, SandyNet has a range of models available for deployment. If possible SandyNet requests that the same manufacture and model be used for each group

of vault types. SandyNet is also flexible if another model is available but not listed below. Please reach out to Ron Yow to verify before ordering.

For mainline vaults, please make sure the following conditions are met when ordering and placing vaults. Vaults are only required to be (20k) traffic rated when the vault exists within Sandy/Clackamas County/ODOT ROW or is not buffered with a sidewalk. Vaults behind a sidewalk or within the PUE are not required to be traffic rated unless otherwise specified by SandyNet staff.

Newbasis FCA243624T-00006

Channel BULKU2436240011009

OLD24361722

For distribution vaults, please make sure the following conditions are met when ordering and placing vaults. Vaults are not required to be traffic rated (20k), so long as vault is placed in the PUE and not in any ROW. Boxes must be at least 13" x 19" x 12" or larger. All 20k rated vaults must be 13" x 24" x 18".

Newbasis FCA173024T-00006

Channel BULKU1324180061001

OLD17301737

Carson Green Handhole CAR1419-12 W/CAR1419T