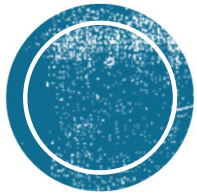


# **HOA/PROPERTY MANAGEMENT NOTIFICATION FOR NETWORK UPGRADES BY AT&T**

**PROCESSES, PROCEDURES, AND MATERIAL**



# MATERIALS USED



- Fiber Optic Cable
- 1.5" Orange Pipe (Innerduct)
- 10"x15" Handholes (Water Meter Boxes)
- 17"x30" Handholes
- 30"x48" Handholes



17"x30"



1.5"



10"x15"



30"x48"

# HANDHOLE EXAMPLES

These vaults are installed flush with ground level. The larger vaults will contain splice locations and larger terminals. While the smaller vault will contain smaller terminals and individual lines to homes. We will connect all of these vaults with 1.5" pipe placed 24" below ground. What this allows is once we have placed all of the new facilities when a customer orders service we will only have to bury a new line on their property. The rest of the line will be carried in the pipe and vaults to the property line, allowing less disruption to the community in the future.





# STITCH BORING - MISSILE BORING



The fiber optic cables and pipe that is placed is done with a process called “stitch boring” or “missile boring”. Our contractor will dig 15” wide x 72” long x 27” deep holes every 20 to 50 feet depending upon conditions and will drill holes between the holes to pull in the cable and pipe. When they dig the holes they first cut the sod and set it aside to save. Then they spread a tarp on the ground to protect the grass from the dirt as the hole is dug out. All of the dirt removed from the hole is placed on the tarp.





# PLACED HANDHOLES



30"x48"



17"x30"



10"x15"

Once all of the cable is placed the holes are filled in and tamped. Then the sod is replaced. In the areas around the handholes we will also place grass seed and straw if necessary.

