Islesboro Municipal Broadband

Conduits

Conduits Specs Pole to Premise

- Co-Exist in Existing Conduits OK If...
 - -1''+/- dia. open with pull line
 - No Fairpoint pedestals are in the run
- New Conduits are Needed If...
 - A Fairpoint pedestal is somewhere in the run
 - There is no open conduit or aerial
- IMB Conduit Spec Document



New Conduit Specs

- Call DigSafe!
- Begin at Premise's Power/Phone Service Pole
 - New/Existing Communications Pole Riser (Standoff?)
- 2" Sched 40 or Sched 80
 - Capped, Marked, Pull Line, Documented/Mapped
 - Break into Runs of 500ft +/-
 - Channell #SPH920C1B1L00 or equiv. pedestals
- End at Premise...
 - On Exterior Wall, Stub Post, Basement, Utility Closet,
 - Ideally Near 11v Power, Phone NID & Ethernet Wiring

Diagram 1 New Underground Conduit Installation (with exterior enclosure on structure)

Secure 2" Schedule 40 riser to pole with 2-hole conduit straps — Hubbell Catalog # CSTK2 or equivalent, every 3-4 feet if only riser on pole. If more than one riser on pole, secure with standoff brackets — Hubbell Catalog #C6CS06, C6CS08 or C6CS012 or equivalent. Standoff bracket should be installed 12-18" off the ground at the base of the pole and one should be installed 2-4" from the top of the conduit.

Utility Pole

8-10 feet

Enclosure installed by fiber construction contractor when fiber optic cable is installed.
(12"H x 10"W x 4"D)

Subscriber Structure

Install cable pull string (Greenlee Poly Line 430 or equivalent) in conduit with minimum 10 feet of slack at each end of conduit

Extend conduit 12-18" above ground or to bottom of siding with 2" space between conduit and foundation.

Conduit should be installed within 10' of the electrical service entrance.

If conduit length is greater than 500 feet, place pedestal enclosure (Channell Commercial Corp. Item# SPH920C1B1L00 or equivalent) at midpoint or every 500 feet for intermediate pulling access. No pull shall be greater than 500 feet.

2 inch Schedule 40 conduit. (Recommend placement 18-24" below ground.)

Diagram 2 **New Underground Conduit Installation** (with conduit penetration directly into structure) Secure 2" Schedule 40 riser to pole with 2-hole conduit straps – Hubbell Catalog # CSTK2 or equivalent, every 3-4 feet if only riser on pole. If more than one riser on pole, secure with standoff brackets - Hubbell Catalog #C6CS06, C6CS08 or C6CS012 or equivalent. Standoff bracket should be installed 12-18" off the ground at the base of the **Utility Pole** Subscriber pole and one should be installed 2-4" Structure from the top of the conduit. 8-10 feet Extend conduit above Install cable pull string (Greenlee Poly Line 430 or equivalent) in ground to building conduit with minimum 10 feet of slack at each end of conduit penetration within 10' of electrical service entrance. 2" Type-LB Non-Metallic Conduit Body 2 inch Schedule 40 conduit. with removable If conduit length is greater than 500 feet, place (Recommend placement 18-24" cover or pedestal enclosure (Channell Commercial Corp. equivalent Item# SPH920C1B1L00 or equivalent) at midbelow ground.) point or every 500 feet for intermediate pulling

access. No pull shall be greater than 500 feet.

Diagram 4 Using Existing Conduit with FairPoint Cable in Place (If No FairPoint Pedestal is in the Line)

Install cable pull string (Greenlee Poly Line 430 or equivalent) in conduit with minimum 10 feet of slack at each end of conduit. UTILIZE FAIRPOINT CONDUIT ONLY IF SUFFICIENT ROOM AVAILABLE TO INSTALL PULL STRING WITHOUT DAMAGE TO FAIRPOINT CABLE. SUBSCRIBER RESPONSIBLE FOR DAMAGE TO FAIRPOINT CABLE AND COST FROM FAIRPOINT TO REPAIR IF DAMAGED.

Subscriber Structure

