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RESULTS OF OUTSIDE PLANT INSPECTION
OF VERIZON FIOS INSTALLATIONS

In Nassau and Suffolk Counties

By:

The New York State Department of Public Service

Telecommunications Division

Albany, NY 12223

(518) 474-██████

Report No. S039-08-4224

Test Date: 7/22-24/2008

Report Written By:

Michael McTague

Utility Specialist 2

SUMMARY OF INSPECTION OF VERIZON FiOS FACILITIES IN THE COUNTIES OF NASSAU AND SUFFOLK FOR UNSAFE AND NONSTANDARD SUBSCRIBER INSTALLATION PRACTICES.

On July 22-24, 2008, Department of Public Service (DPS) Utility Specialists Tighe Massey and Michael McTague conducted an inspection of the Verizon FiOS subscriber installations in Nassau and Suffolk County, New York. A total of 66 sites were reviewed. Overall, the subscriber installations in those areas inspected were found to be in poor condition. This inspection yielded 66 sites that currently have Verizon FiOS Service present. Of the 66 FiOS installations inspected, 37 had nonstandard conditions identified below in bold.

VERIZON FiOS NONSTANDARD CONDITIONS

Central Islip Wire Center

- 1)  Bushwick Ave, Brentwood.
FiOS ground conductor attached to loose Fargo clamp on power ground.
- 2)  Bushwick Ave, Brentwood.
FiOS ground conductor attached to loose clamp on power ground. Insulation not removed from power ground prior to clamp installation. (Photo 1)
- 3)  Bushwick Ave, Brentwood.
FiOS # 10 ground conductor taped onto copper telephone # 10 ground conductor with Fargo clamp. (Photo 2)
- 4)  Heyward Street, Brentwood.
FiOS ground conductor attached to pipe strap on conduit from output of meter pan. Paint not removed from conduit prior to strap installation.

- 5)  Heyward Street, Brentwood.
FiOS ground conductor spliced at copper terminal. Copper terminal ground conductor attaches to pipe strap on conduit from output of meter pan. **(Photo 3)**
- 6)  Heyward Street, Brentwood.
FiOS ground conductor attached to un-bonded driven electrode.
- 7)  Sallow Lane, Brentwood .
FiOS, Copper Telephone and CATV ground conductors attached to same single conductor pipe strap on conduit from output of meter pan. **(Photo 5)**
- 8)  Trush Drive, Brentwood.
FiOS and copper telephone ground conductors attached to same single conductor pipe clamp on conduit from output of meter pan. **(Photo 6)**

Commack Wire Center

- 9)  Partridge Drive, Commack.
FiOS ground conductor attached to loose pipe clamp on power driven electrode.
- 10)  Partridge Drive, Commack.
FiOS ground conductor spliced with wire nut before it attaches to the same single conductor driven electrode clamp as CATV and Power. **(Photo 7)**
- 11)  Genessee Drive, Commack.
FiOS ground conductor attached to pipe clamp on outside faucet that is more than 5 feet from water line point of entry.
- 12)  Genessee Drive, Commack.
FiOS and copper telephone ground conductors attached to same single conductor Fargo clamp on power ground.

- 13) [REDACTED] Hayrick Lane, Commack.
FiOS Optical Network Terminal has two ground conductors attached to the same single conductor ground lug. FiOS and copper telephone ground conductors attached to the same single conductor pipe strap on conduit from output of meter pan. (Photo 10)
- 14) [REDACTED] Hayrick Lane, Commack.
FiOS Optical Network Terminal has two ground conductors attached to the same single conductor ground lug. FiOS ground conductor attached to Fargo clamp on power ground.
- 15) [REDACTED] Eldridge Street, East Northport.
FiOS not grounded. Power ground 2 feet away.

Ronkonkoma Wire Center

- 16) [REDACTED] North Cedar Avenue, Ronkonkoma.
FiOS ground conductor wrapped around screw on weather head of meter pan. (Photo 11)
- 17) [REDACTED] Lakewood Avenue, Ronkonkoma.
FiOS ground conductor spliced at copper terminal. Copper telephone ground conductor spliced with wire nut before it attaches to same single conductor split bolt on power ground as CATV . (Photo 12)
- 18) [REDACTED] Shelter Road, Ronkonkoma.
Ground conductor from FiOS Optical Network Terminal not connected. Power ground 6 inches away. (Photo 13)
- 19) [REDACTED] Dakota Street, Ronkonkoma
FiOS and copper telephone attached to same loose single conductor Fargo clamp on power ground. (Photo 14)
- 20) [REDACTED] Heilman Avenue, Ronkonkoma.
Ground conductor from FiOS Optical Network Terminal not connected. Power ground 2 feet away. (Photo 15)

- 21) [REDACTED] Creighton Avenue, Ronkonkoma.
FiOS ground conductor spliced with Fargo clamp before entering inside. Couldn't verify ground connection, no access.
- 22) [REDACTED] Deer Road, Ronkonkoma.
FiOS and copper telephone ground conductors spliced with Fargo clamp before entering inside. Couldn't verify ground connection, no access.
- 23) [REDACTED] Mohican Avenue, Ronkonkoma.
FiOs ground conductor attached to un-bonded driven electrode. Power service on opposite side of house and no bond wire present.

Smithtown Wire Center

- 24) [REDACTED] Oakside Road, Smithtown.
FiOS and CATV ground conductor attached to same single conductor Fargo clamp on power ground. (Photo 16)
- 25) [REDACTED] Plymouth Boulevard, Smithtown.
FiOS ground conductor spliced at copper terminal. Copper telephone ground conductor spliced with Fargo clamp before entering inside. Couldn't verify ground connection, no access. (Photo 17)
- 26) [REDACTED] Twilight Lane, Smithtown.
FiOS not grounded. Power ground 2 ½ feet away.
- 27) [REDACTED] Plaisted Avenue, Smithtown.
FiOS ground conductor attached to loose Fargo clamp on power ground.
- 28) [REDACTED] Woodland Drive, Smithtown.
FiOS ground conductor wrapped around screw on conduit connector at meter pan. (Photo 19)

Huntington Wire Center

- 29) [REDACTED] Park Avenue, Huntington.
FiOS not grounded. Meter pan weather head or output conduit 1 ½ feet away. **(Photo 20)**
- 30) [REDACTED] Park Avenue, Huntington.
FiOS ground conductor spliced at copper terminal. Copper telephone ground conductor attached to un-bonded driven electrode. **(Photo 21)**
- 31) [REDACTED] Park Avenue, Huntington.
FiOS and copper telephone attached to same single conductor corner clamp on meter pan. **(Photo 22)**
- 32) [REDACTED] Juanita Avenue, Huntington.
FiOS Optical Network Terminal and FiOS TV splitter ground conductors attached to same single conductor pipe strap on conduit from output of meter pan.
- 33) [REDACTED] West Neck Road, Huntington.
FiOS not grounded. Power ground 7 feet away. **(Photo 23)**
- 34) [REDACTED] West Neck Road, Huntington.
FiOS ground conductor spliced at copper terminal. Copper telephone ground conductor spliced with Fargo clamp inside terminal before entering inside. Couldn't verify ground connection, no access. **(Photo 23)**

Farmingdale Wire Center

- 35) [REDACTED] Fulton Street, Farmingdale.
FiOS not grounded. **(Photo 24)**
- 36) [REDACTED] Rita Place, Farmingdale.
FiOS ground conductor attached to same single conductor pipe strap on conduit to output of meter pan as second FiOS Optical Network Terminal. **(Photo 25)**

37) ■ Rita Place, Farmingdale.

FiOS ground conductor attached to same single conductor pipe strap on conduit to output from meter pan as second FiOS Optical Network Terminal. (Photo 25)

The following sites were inspected with no problem found.

Central Islip Wire Center

- Bushwick Avenue, Brentwood
- Heyward Street, Brentwood
- Sallow Lane, Brentwood
- Sallow Lane, Brentwood
- Thrush Drive, Brentwood
- Thrush Drive, Brentwood
- Thrush Drive, Brentwood
- Bruce Lane, Brentwood
- Bruce Lane, Brentwood
- Bruce Lane, Brentwood

Commack Wire Center

- Partridge Drive, Commack
- Partridge Drive, Commack
- Genessee Drive, Commack
- Hayrick Lane, Commack
- Eldridge Street, East Northport
- Eldridge Street, East Northport
- Eldridge Street, East Northport

Ronkonkoma Wire Center

- Ontario Street, Ronkonkoma
- Richmond Boulevard, Ronkonkoma
- Bay Avenue, Ronkonkoma

Smithtown Wire Center

- Oakside Road, Smithtown

█ Plymouth Boulevard, Smithtown

Huntington Wire Center

█ Park Avenue, Huntington

█ Park Avenue, Huntington

█ Park Avenue, Huntington

█ Juanita Avenue, Huntington

█ Lownded Avenue, Huntington

Farmingdale Wire Center

█ Rose Street, Farmingdale

█ Beechwood Street, Farmingdale



Photo 1

■ Bushwick Ave, Brentwood.

**FiOS ground conductor attached to loose clamp on power ground.
Insulation not removed from power ground prior to clamp installation.**

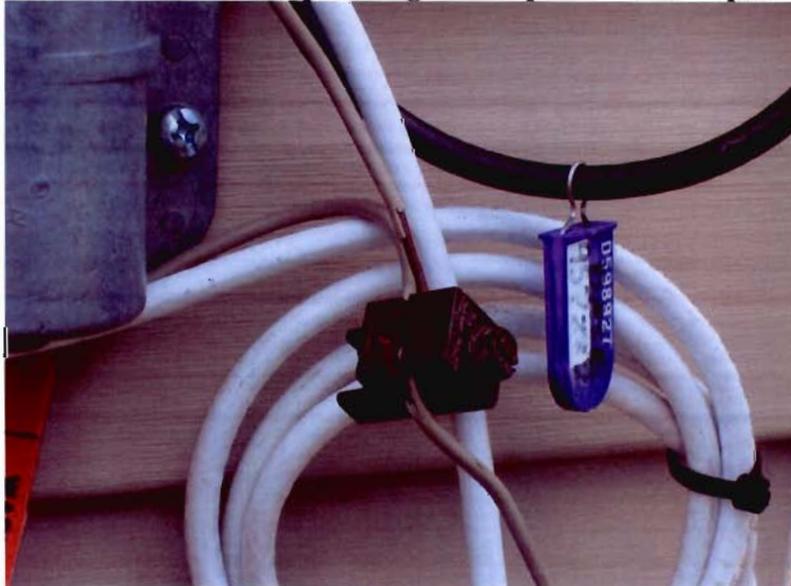


Photo 2

■ Bushwick Ave, Brentwood.

**FiOS # 10 ground conductor tap onto copper telephone
10 ground conductor with Fargo clamp.**



Photo 3

■ Heyward Street, Brentwood.

FiOS ground conductor spliced at copper terminal. Copper terminal ground conductor attaches to pipe strap on conduit from output of meter pan.

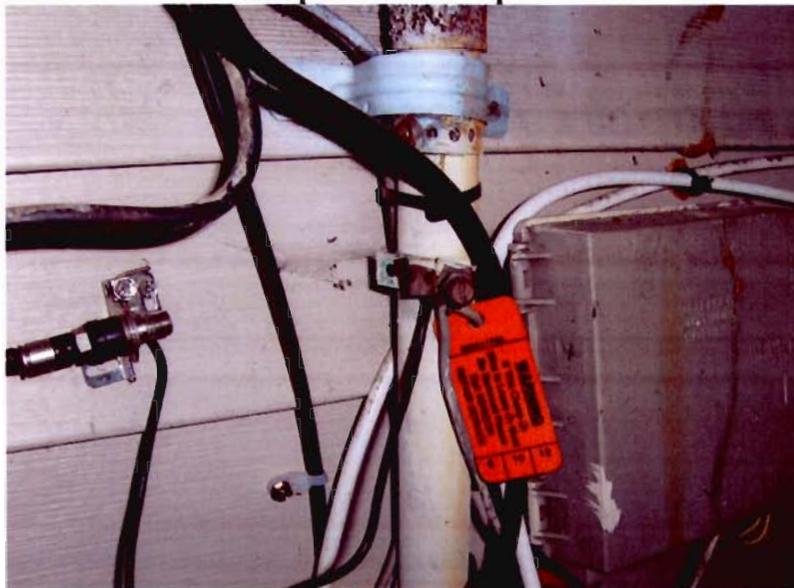


Photo 5

■ Sallow Lane, Brentwood .

FiOS, copper telephone and CATV ground conductors attached to same single conductor pipe strap on conduit from output of meter pan.

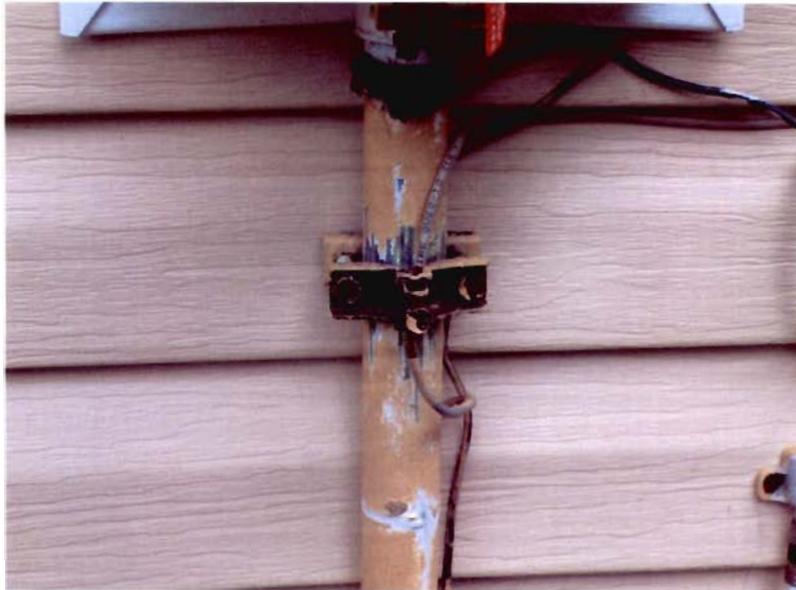
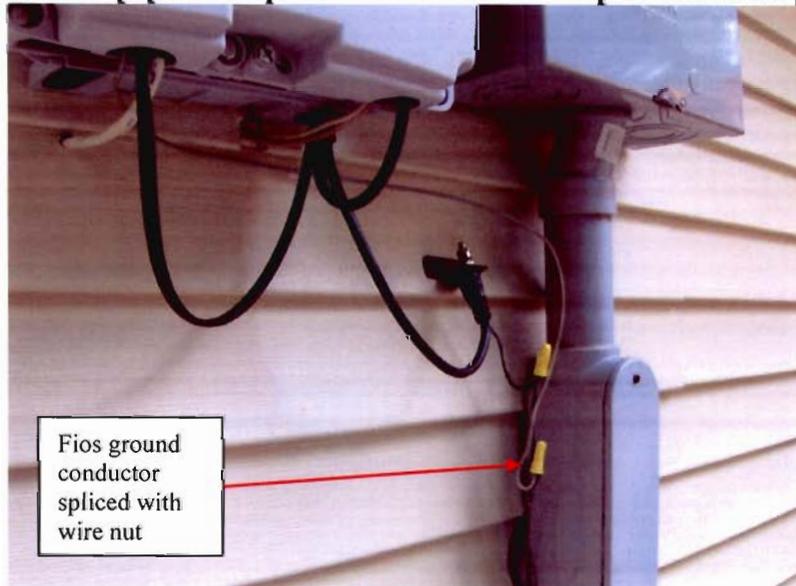


Photo 6

■ Trush Drive, Brentwood.

FiOS and copper telephone ground conductors attached to same single conductor pipe clamp on conduit from output of meter pan.

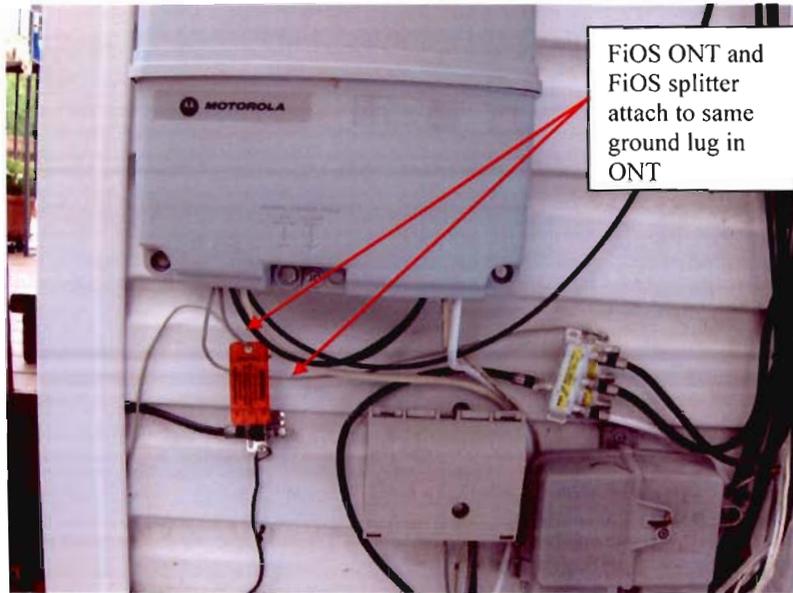


FiOS ground conductor spliced with wire nut

Photo 7

■ Partridge Drive, Commack.

FiOS ground conductor spliced with wire nut before it attaches to same single conductor driven electrode clamp as CATV and Power.

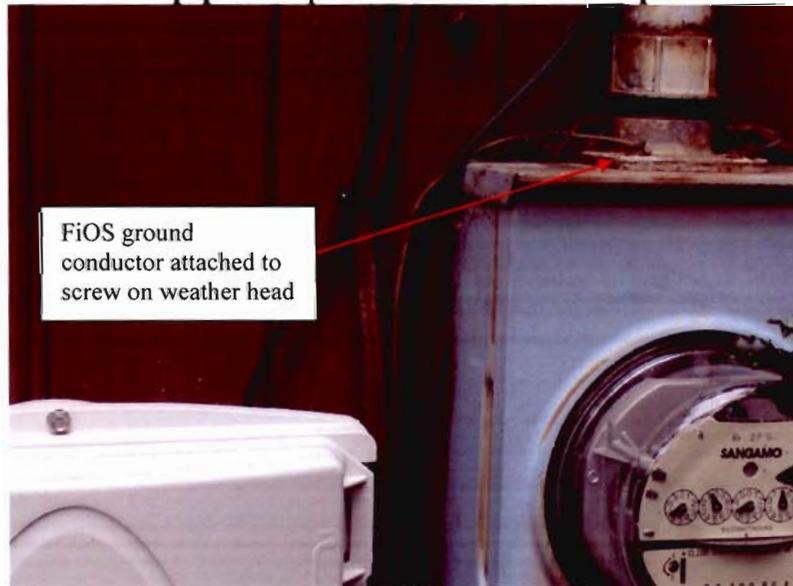


FiOS ONT and
FiOS splitter
attach to same
ground lug in
ONT

Photo 10

█ Hayrick Lane, Commack.

FiOS Optical Network Terminal has two ground conductors attached to the same single conductor ground lug. FiOS and copper telephone ground conductors attached to the same single conductor pipe strap on conduit from output of meter pan.



FiOS ground
conductor attached to
screw on weather head

Photo 11

█ North Cedar Avenue, Ronkonkoma.

FiOS ground conductor wrapped around screw on weather head of meter pan.

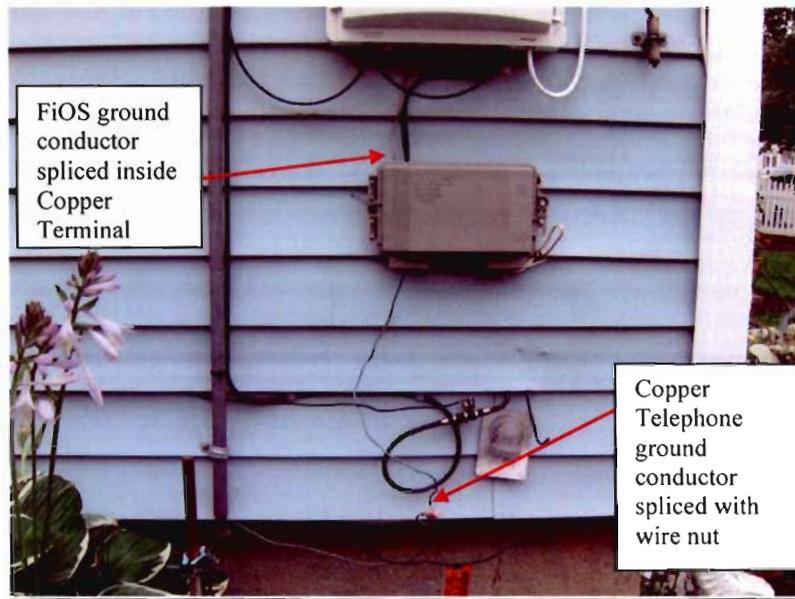


Photo 12

█ Lakewood Avenue, Ronkonkoma.

FiOS ground conductor spliced at copper terminal. Copper telephone ground conductor spliced with wire nut before it attaches to same single conductor split bolt on power ground as CATV .

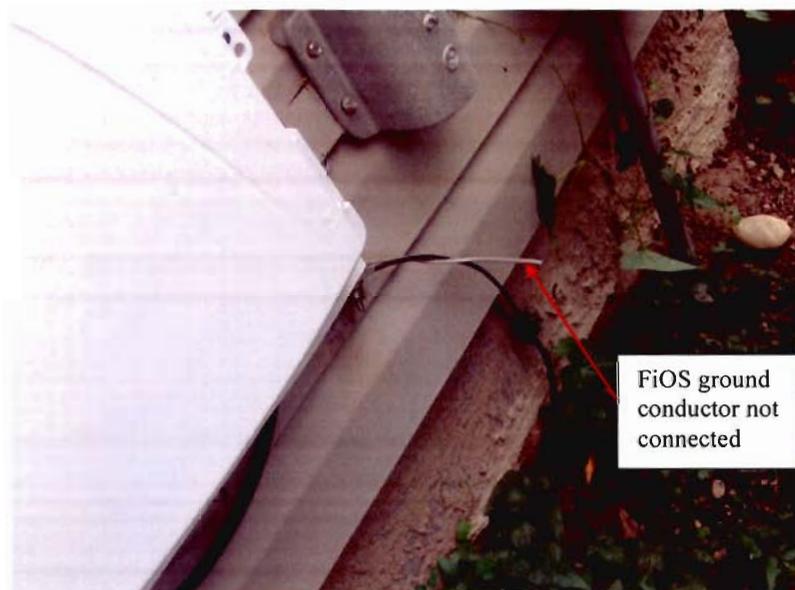
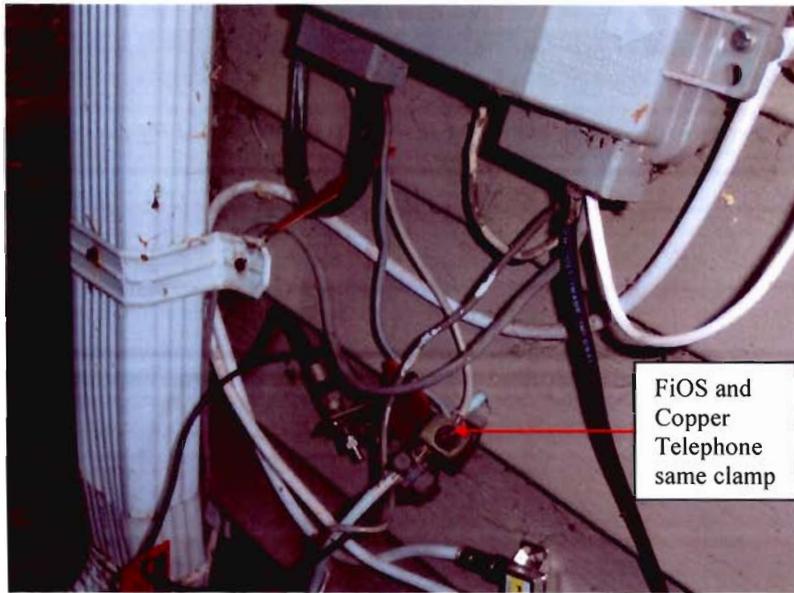


Photo 13

█ Shelter Road, Ronkonkoma.

Ground conductor from FiOS Optical Network Terminal not connected. Power ground 6 inches away.



FiOS and
Copper
Telephone
same clamp

Photo 14

██████ Dakota Street, Ronkonkoma

FiOS and copper telephone attached to same loose single conductor Fargo clamp on power ground.



FiOS ground
conductor not
connected

Photo 15

██████ Heilman Avenue, Ronkonkoma.

Ground conductor from FiOS Optical Network Terminal not connected. Power ground 2 feet away.

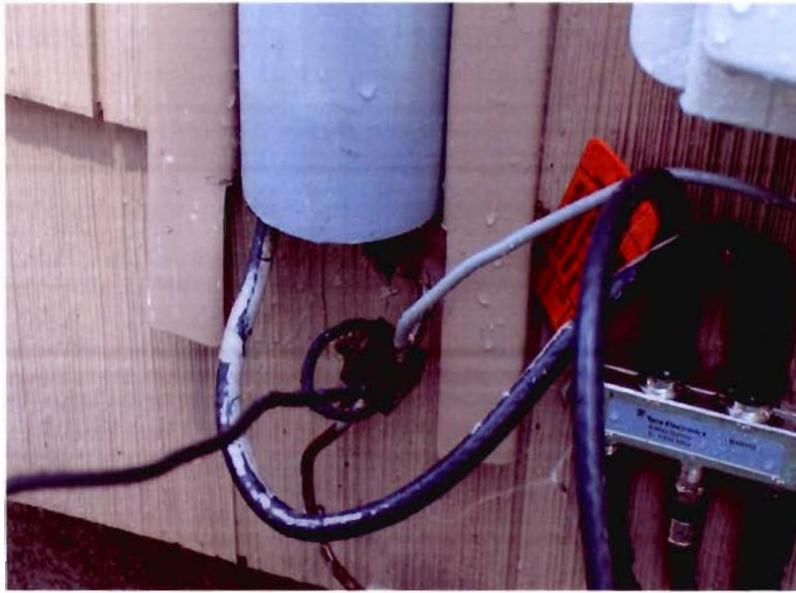


Photo 16

█ Oakeside Road, Smithtown.

FiOS and CATV ground conductor attached to same single conductor Fargo clamp on power ground.



Photo 17

█ Plymouth Boulevard, Smithtown.

FiOS ground conductor spliced at copper terminal. Copper telephone ground conductor spliced with Fargo clamp before entering inside. Couldn't verify ground connection, no access.

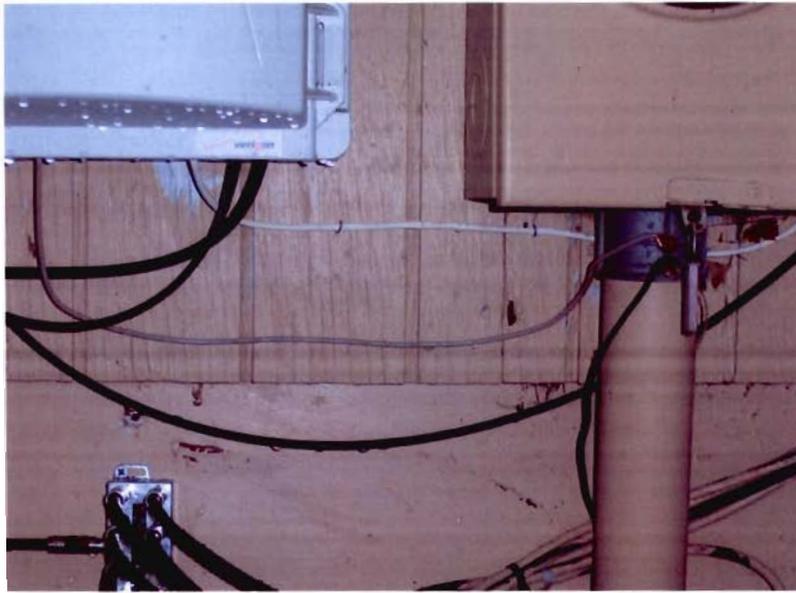


Photo 19

Woodland Drive, Smithtown.
FiOS ground conductor wrapped around screw on conduit connector at meter pan.

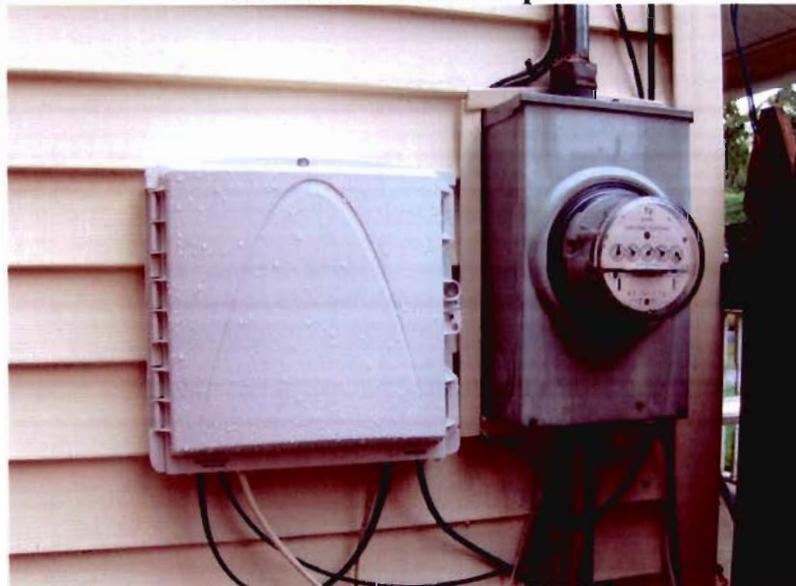


Photo 20

Park Avenue, Huntington.
FiOS not grounded. Meter pan weather head or output conduit 1 ½ feet away.

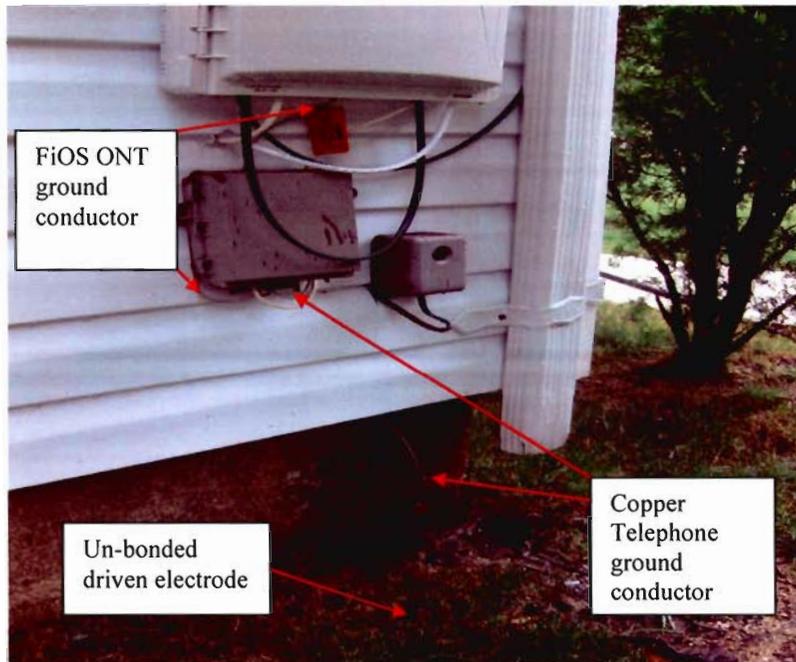


Photo 21

██████ Park Avenue, Huntington.

FiOS ground conductor spliced at copper terminal. Copper telephone ground conductor attached to un-bonded driven electrode.



Photo 22

██████ Park Avenue, Huntington.

FiOS and Copper Telephone attached to same single conductor corner clamp on meter pan.

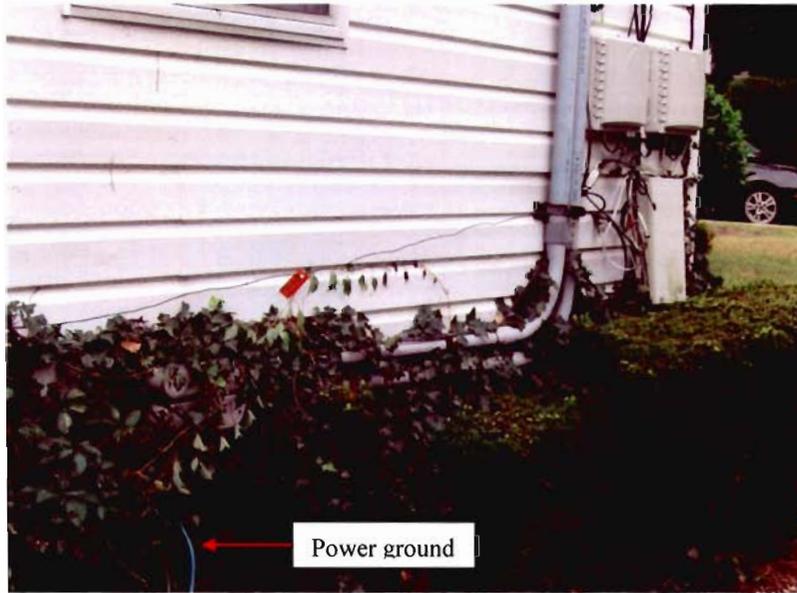


Photo 23

█ West Neck Road, Huntington.

(ONT-1) FiOS not grounded. Power ground 7 feet away.
(ONT-2) FiOS ground conductor spliced at copper terminal. Copper telephone ground conductor spliced with Fargo clamp inside terminal before entering inside. Couldn't verify ground connection, no access.

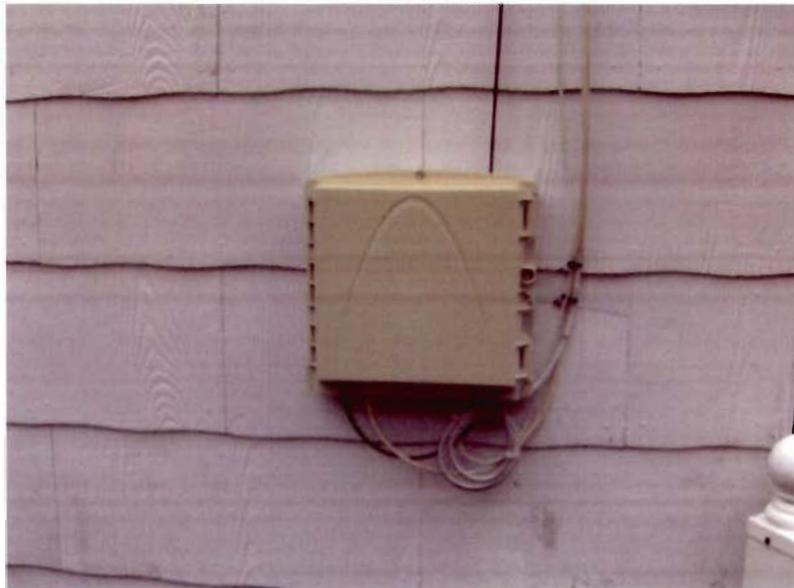


Photo 24

█ Fulton Street, Farmingdale.
FiOS not grounded.

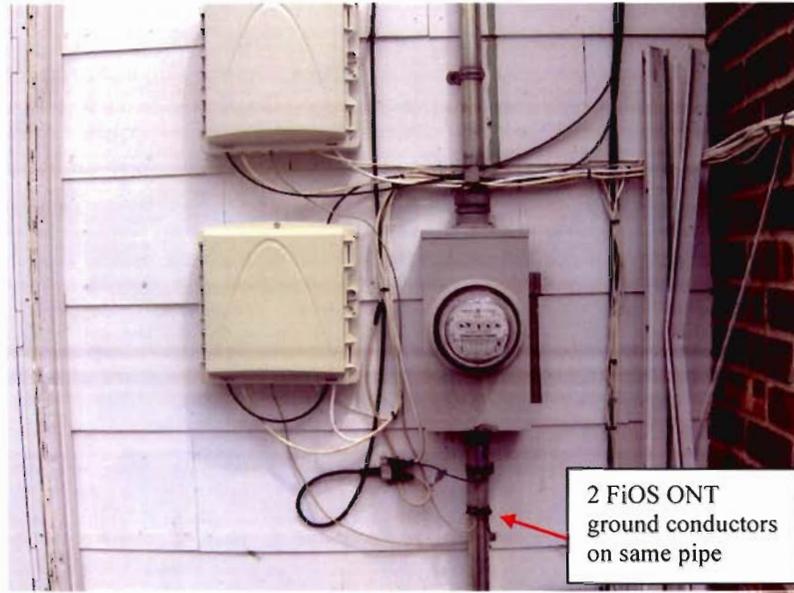


Photo 25

■ Rita Place, Farmingdale.

FiOS ground conductor attached to same single conductor pipe strap on conduit from output of meter pan as second FiOS Optical Network Terminal.

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RESULTS OF OUTSIDE PLANT INSPECTION
OF VERIZON FiOS INSTALLATIONS

In Erie County

By:

The New York State Department of Public Service
Telecommunications Division
Albany, NY 12223
(518) 474-██████

Report No. S040-08-4225

Test Date: 7/21-25/2008

Report Written By:

Gary Simcox
Utility Specialist 3

Report # S040-08-4225

SUMMARY OF INSPECTION OF VERIZON FiOS FACILITIES IN ERIE COUNTY FOR UNSAFE AND NONSTANDARD SUBSCRIBER INSTALLATION PRACTICES

On July 21-25, 2008, Department of Public Service (DPS) Utility Specialists Michael Fiorillo, Peter Kwitowski and Gary Simcox conducted an inspection of the Verizon FiOS subscriber installations in Erie, New York. A total of 37 sites were reviewed within Erie County. Overall, the subscriber installations in those areas inspected was found to be in poor condition.

Of the 37 FiOS installations inspected, 20 nonstandard conditions were related to grounding. Of the 37 installations inspected, 17 were found to have no trouble.

VERIZON FiOS NONSTANDARD CONDITIONS/GROUNDING

Williamsville

1) [REDACTED] Cobblestone Ln.

FiOS ground conductor clamped to cold water pipe that is greater than 5 feet from water line point of entry. (Approximately 15 ft.) (Photo 3)

Orchard Park

2) [REDACTED] Quaker Hollow Rd.

FiOS ground conductor and CATV ground conductor attached to same single conductor ground clamp on electric ground wire.

3) [REDACTED] Edgewater Dr.

FiOS ground conductor clamped to cold water pipe that is greater than 5 feet from water line point of entry. (Approximately 30 ft.) Clamp loose.

4) [REDACTED] Scherff Rd.

FiOS ground conductor clamped to cold water pipe that is greater than 5 feet from water line point of entry. (Approximately 15 ft.) (Photo 6)

5) [REDACTED] Bridle Path.

FiOS ground conductor clamped to cold water pipe that is greater than 5 feet from water line point of entry. FiOS and unknown ground conductors attached to same single conductor strap. (Photo 7)

6) [REDACTED] Bridle Path

FiOS ground conductor clamped to cold water pipe that is greater than 5 ft. from water line point of entry. FiOS ground conductor and gas pipe bond conductor attached to same single conductor clamp. (Photo 8)

7) [REDACTED] Bridle Path

FiOS ground conductor and unknown conductor attached to same single conductor clamp. (Photo 9)

Hamburg

8) [REDACTED] Darlich Ave.

FiOS ground conductor clamped to cold water pipe that is greater than 5 ft. from water line point of entry. (Approximately 20 ft.) (Photo 4)

9) [REDACTED] Hawkins Ave.

FiOS ground conductor clamped to cold water pipe that is greater than 5 ft. from water line point of entry. (Approximately 15ft.) (Photo 5)

10) [REDACTED] Woodhaven Cir.

FiOS ground conductor clamped to cold water pipe that is greater than 5 ft. from water line point of entry. (Approximately 20 ft.)

West Seneca

11) [REDACTED] Ebenezer Dr.

FiOS ground conductor clamped to cold water pipe that is greater than 5 ft. from water line point of entry. (Approximately 20 ft.)

12) [REDACTED] Reynolds Rd.

FiOS ground conductor clamped to cold water pipe that is greater than 5 ft. from water line point of entry. (Approximately 30 ft.) (Photo 10)

13) [REDACTED] Heather Hill Dr.

FiOS ground conductor and unknown conductor attached to same single conductor clamp. (Photo 11)

14) [REDACTED] Park Meadow Dr.

FiOS ground conductor spliced to stranded wire at water service entrance.

15) [REDACTED] Brook Ln.

FiOS ground conductor clamped to cold water pipe that is greater than 5 ft. from water line point of entry. (Approximately 15 ft.) (Photo 13)

16) [REDACTED] Sunset Creek Dr.

FiOS ground conductor clamped to cold water pipe that is greater than 5 ft. from water line point of entry. (Approximately 20 ft.)

17) [REDACTED] Sunset Creek Dr.

FiOS not grounded.

18) [REDACTED] Rose Ave.

FiOS ground conductor clamped to cold water pipe that is greater than 5 ft. from water line point of entry. (Approximately 20 ft.)

19) [REDACTED] Birchwood Ave., apartment with ONT installed in closet.

FiOS ground conductor spliced with conductor of unknown termination.

20) [REDACTED] Greenhill Terr.

FiOS ground conductor clamped to cold water pipe that is greater than 5 ft. from water line point of entry. (Approximately 20 ft.)

The following sites were inspected with no trouble found:

Williamsville

- █ Ponderosa Dr. (Photo 1)
- █ Carriage Cir.
- █ Rollingwood (Photo 2)

Orchard Park

- █ Park Pl.
- █ California Rd.
- █ Bridle Path

Hamburg

- █ Howard Rd.
- █ Queens Ln.

West Seneca

- █ Park Meadow Dr.
- █ Brook Ln.
- █ Brook Ln. (Photo 12)
- █ Sunset Creek Dr.
- █ Sunset Creek Dr.
- █ Sunset Creek Dr.
- █ Warren Ave.
- █ Cloverside Ct.
- █ Greenbranch Rd.

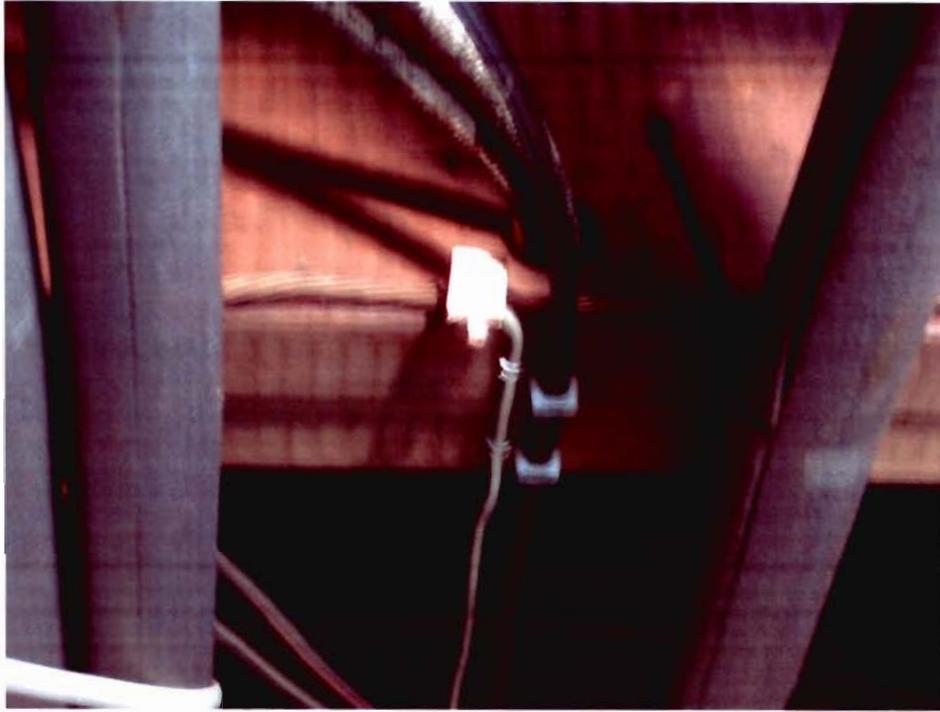


Photo 1 – [REDACTED] Ponderosa Dr., FiOS grounded to power ground.



Photo 2 - [REDACTED] Rollingwood, FiOS grounded to power ground.



Photo 3 - [REDACTED] Cobblestone Ln., FiOS ground conductor clamped to cold water pipe approximately 15 ft. from water service entrance.



Photo 4 - ■ Darlich Ave., FiOS ground conductor clamped to cold water pipe approximately 20 ft. from water service entrance.



Photo 5 - ■ Hawkins Ave, FiOS ground conductor clamped to cold water pipe approximately 15 ft. from water service entrance.

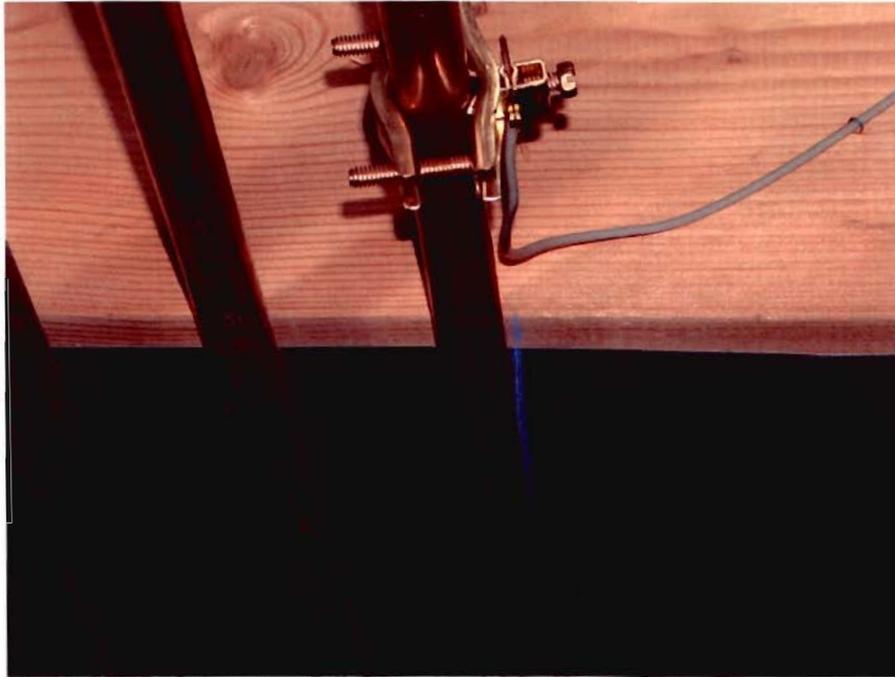


Photo 6 - [REDACTED] Scherff Rd, FiOS ground conductor clamped to cold water pipe approximately 15 ft. from water service entrance.

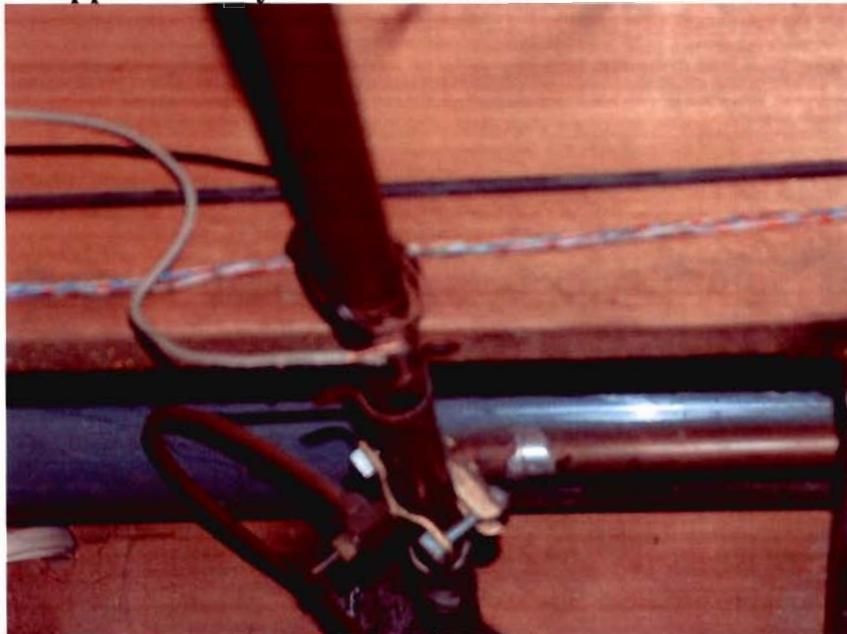


Photo 7 - [REDACTED] Bridle Path, FiOS ground conductor clamped to cold water pipe greater than 5 ft. from water service entrance. FiOS and unknown ground conductors attached to same single conductor strap.

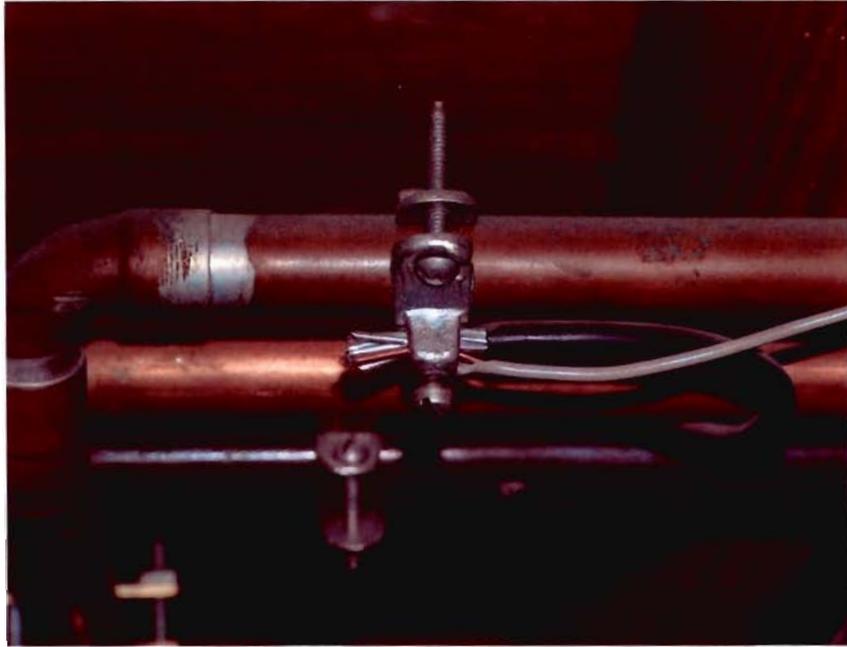


Photo 8 - [REDACTED] Bridle Path, FiOS ground conductor clamped to cold water pipe greater than 5 ft. from water service entrance. FiOS ground conductor and gas pipe bond conductor attached to same single conductor clamp.



Photo 9 - [REDACTED] Bridle Path, FiOS ground conductor and unknown conductor attached to same single conductor clamp.



Photo 10 - [REDACTED] Reynolds Rd.

FiOS ground conductor clamped to cold water pipe approximately 30 ft. from water service entrance.

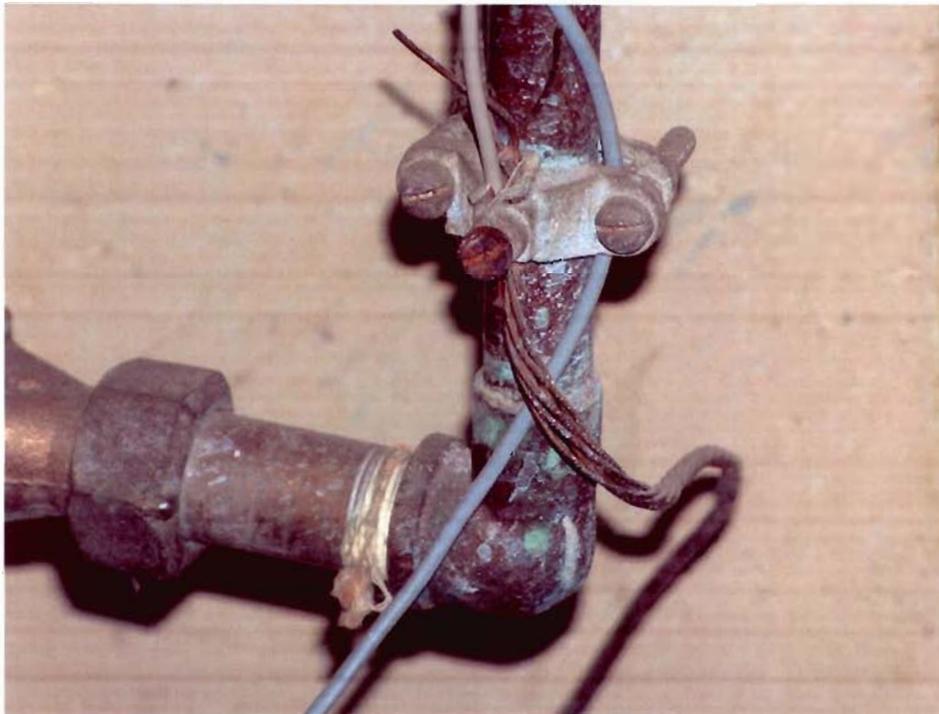


Photo 11 - Heather Hill Dr., FiOS ground conductor and unknown conductor attached to same single conductor clamp.

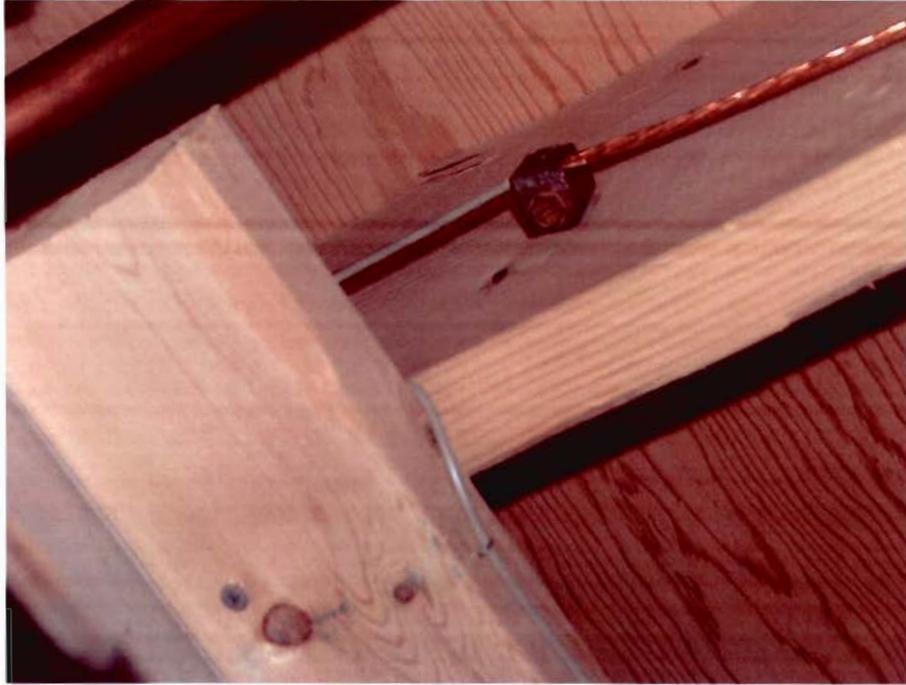


Photo 12 - Brook Ln. FiOS grounded to electric ground.

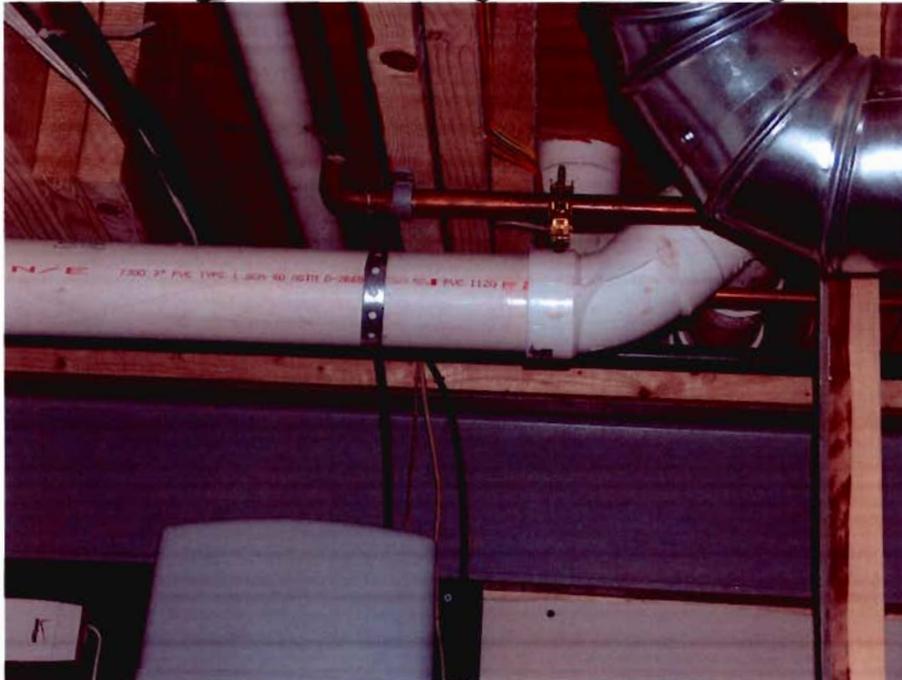


Photo 13 - █ Brook Ln. **FiOS ground conductor clamped to cold water pipe approximately 15 ft. from water service entrance.**