

**DISCUSSION ITEM**

Ting/Verizon High-Speed Internet Plan

- 1
- 2
- 3
- 4
- 5
- 6

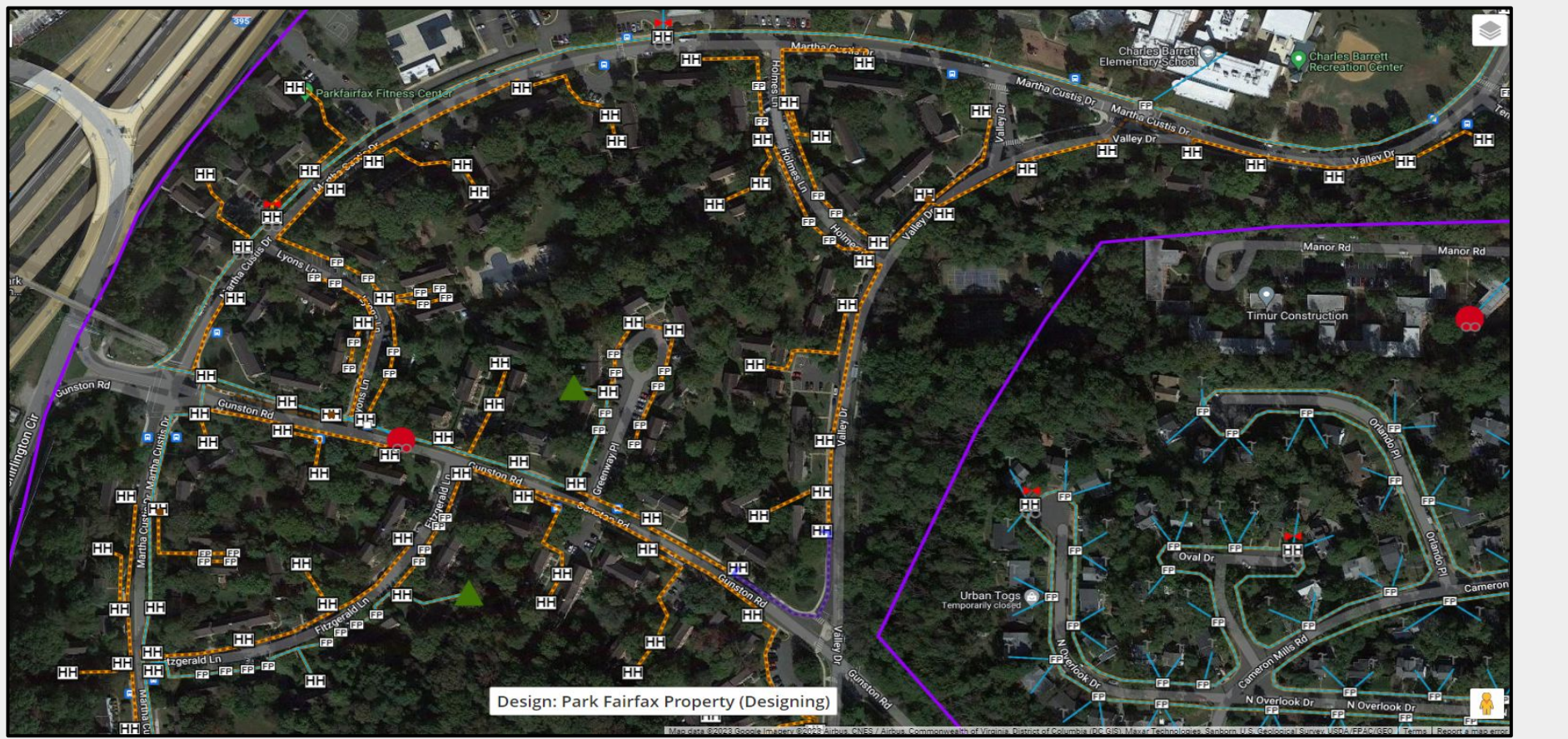
# Park FairFax Page 1

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17x30

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17x30

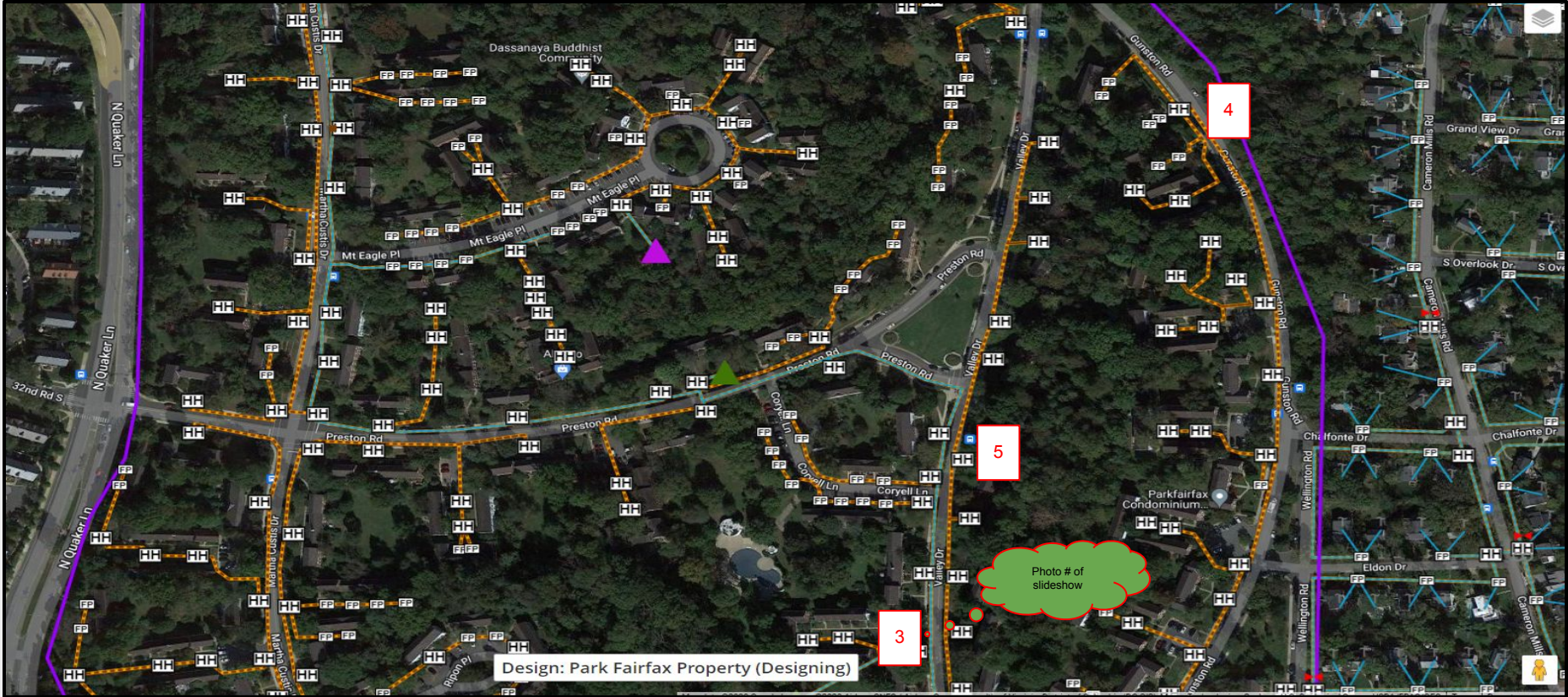
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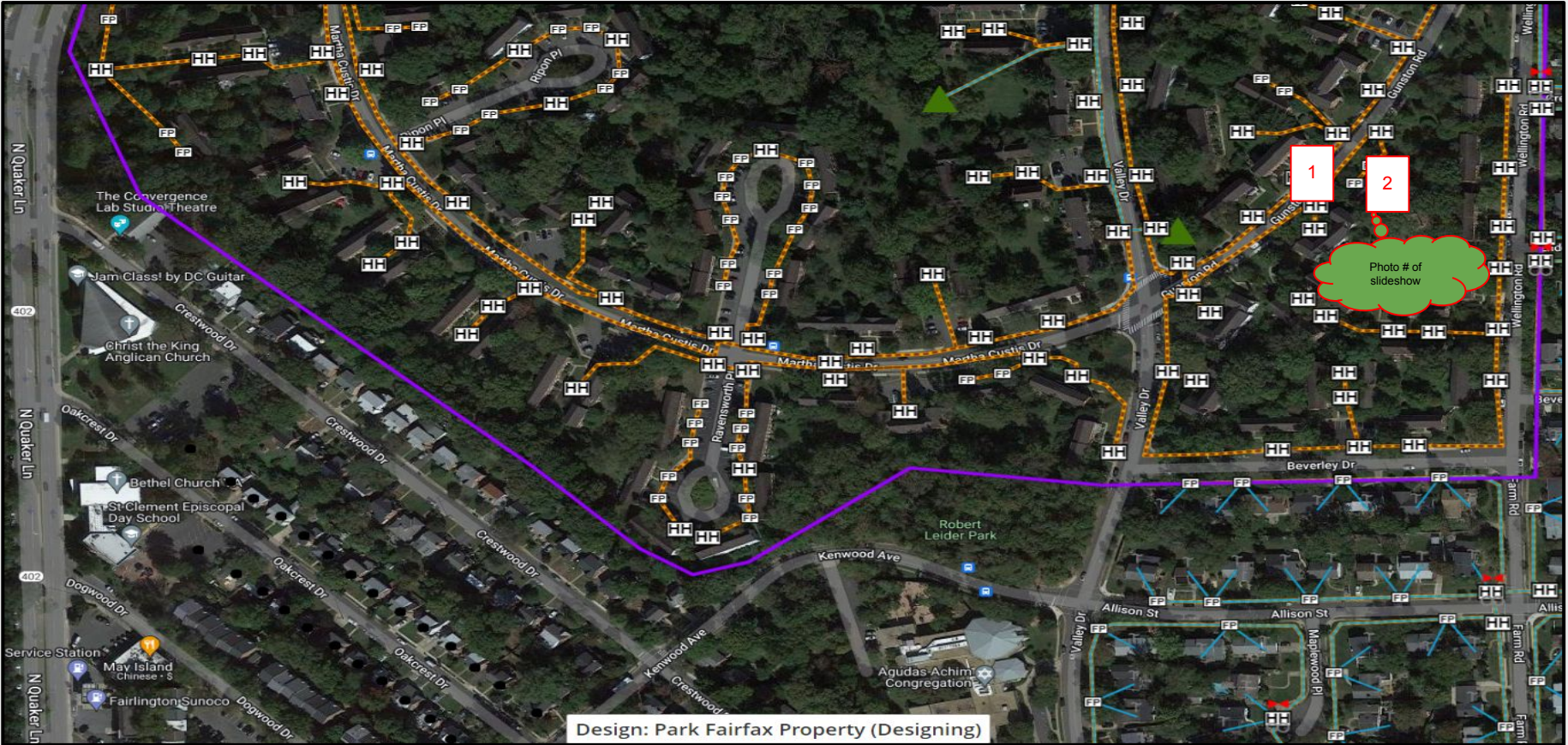


Design: Park FairFax Property (Designing)

# Park FairFax Page 2



# Park FairFax Page 3



Design: Park Fairfax Property (Designing)

1

Customer Drops  
Feed from HH

Customer Drop  
per service  
request



HH

2



Drop location to  
install Drop

Drop to customer  
SFU

F  
P

3

Service all  
customer from  
both HH in  
courtyard









FP



HH



## Toby Box





**Pathway Creation Design**

**PROJECT NAME**

**PARK FAIRFAX**

**FULL ADDRESS**

**PHASE 1**

**3360 GUNSTON RD  
ALEXANDRIA, VA 22302**



<b>DESIGN PRESENTED FOR APPROVAL</b>		Work Order # <b>1A6DU8Y</b>	Wire Center <b>BARCROFT</b>	VZ Block	BDMS Property ID <b>23406683</b>	Phase #
Presented by	Date	Region <b>MidAtIN</b>	Geo Code		Locus ID	# of Buildings <b>61</b>
Presented to	Date	Property Contact Name <b>Francisco Foschi</b>	Title		RES <b>334</b>	BUS
<b>PROPERTY OWNER OR AUTHORIZED AGENT</b>		Email <b>ffoschi@parkfairfax.org</b>	Phone <b>703-598-1398</b>		Total Units <b>334</b>	
Presented to	Title	Survey Date	FDH		Suite Entry Required (Y/N)	
Signature	Date	Lat	Long			
<b>COMMENTS</b>		Surveyor <b>LLOYD SAUNDERS</b>	Email <b>lloyd.saunders@rjetelecom.com</b>	Phone <b>703-963-6415</b>		
		Verizon Engineer <b>Christopher Ely</b>	Email <b>christopher.ely@rjetelecom.com</b>	Phone <b>703-444-1496</b>		

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## Living Units Report

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Project name: PARK FAIRFAX PH.1

Design company: COUNTY:

Project creation date: 1/23/2024

Designer: CHRISTOPHER ELY

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### PARK FAIRFAX PH.1

1000	VALLEY DR	ALEXANDRIA,VA
1004	VALLEY DR	ALEXANDRIA,VA
1002	VALLEY DR	ALEXANDRIA,VA
1006	VALLEY DR	ALEXANDRIA,VA
1008	VALLEY DR	ALEXANDRIA,VA
1010	VALLEY DR	ALEXANDRIA,VA
1012	VALLEY DR	ALEXANDRIA,VA
1014	VALLEY DR	ALEXANDRIA,VA
1016	VALLEY DR	ALEXANDRIA,VA
1018	VALLEY DR	ALEXANDRIA,VA
1020	VALLEY DR	ALEXANDRIA,VA
1024	VALLEY DR	ALEXANDRIA,VA
1026	VALLEY DR	ALEXANDRIA,VA
1028	VALLEY DR	ALEXANDRIA,VA
1030	VALLEY DR	ALEXANDRIA,VA
1032	VALLEY DR	ALEXANDRIA,VA
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1104	VALLEY DR	ALEXANDRIA,VA
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1108	VALLEY DR	ALEXANDRIA,VA
1110	VALLEY DR	ALEXANDRIA,VA
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1124	VALLEY DR	ALEXANDRIA,VA
1126	VALLEY DR	ALEXANDRIA,VA
1128	VALLEY DR	ALEXANDRIA,VA
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1132	VALLEY DR	ALEXANDRIA,VA
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1136	VALLEY DR	ALEXANDRIA,VA

1138	VALLEY DR	ALEXANDRIA,VA
1140	VALLEY DR	ALEXANDRIA,VA
1142	VALLEY DR	ALEXANDRIA,VA
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3744	VALLEY DR	ALEXANDRIA,VA
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3703	HOLMES LN	ALEXANDRIA,VA
3705	HOLMES LN	ALEXANDRIA,VA
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3731	HOLMES LN	ALEXANDRIA,VA
1200	MARTHA CUSTIS DR	ALEXANDRIA,VA
1202	MARTHA CUSTIS DR	ALEXANDRIA,VA
1204	MARTHA CUSTIS DR	ALEXANDRIA,VA
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1226	MARTHA CUSTIS DR	ALEXANDRIA,VA
1228	MARTHA CUSTIS DR	ALEXANDRIA,VA
1230	MARTHA CUSTIS DR	ALEXANDRIA,VA

## Construction Notes

### 4,5,6, 8 UNIT

- 1) RJE to Place Nema Cabinet on end of each building exact placement to vary based on field conditions on each.
- 2) RJE to Place (1) Transition box at the base of each with (1) approx. 2' piece of PVC to be place up to Nema Cabinet
- 3) RJE to Place (1) piece of Metal Molding from Nema Cabinet to Attic entry point color to be either red brick or white based on building.
- 4) RJE to Place (1) Microduct the connected Attics and down into the upstairs of each unit and place latch molding to fiber wall plate locationg
- 5) RJE to Place (1) Fiber Wall Plate in each unit at the same height as existing outlets and jacks.
- 6) Single floor units that are located on opposite end from Nema Cabinet location of building that do not have Attic access to have a small transition box place at base with matching Metal Molding up to entry point into unit. Placement will vary based on field conditions.
- 7) Some 4,5,-6- and 8-unit buildings have an offset Attic Space. For these building types a transition box with Metal Molding runs on each side of the building will be necessary and will be determined at time of install.

### 5/6 UNIT

- 8) Placement of Nema Cabinet set up on side/rear of building, exact placement to vary on each building.
- 9) Metal molding to be placed from Nema Cabinet to Attic Entry Point, Molding to be either Red Brick Color or White to be match exterior of building
- 10) Microduct to be place thru Attic space and (1) Microduct to be dropped off into each unit and covered with latch molding to a fiber wall plate. location to vary base on conditions at time of install

### 10 UNIT LAYOUT

- 11) The design for these will utilize and handhole placed in the rear with (1) 1.25" innerduct placed to a 4"x4" Transition Box placed at the outside rear of each building.
- 12) On the inside opposite of the Transition Box a fiber wall plate is to be placed at the same height as existing Outlets and Jacks
- 13) VERIZON TO PLACE AND INNERDUCT AND HANDHOLES SHOWN ON THE DESIGN. DIGGING AND BORING WILL BE REQUIRED



PROJECT ID :

PROPERTY CONTACT :  
Francisco Foschi  
703-998-6315  
ffoschi@parkfairfax.org

PROPERTY LOCATION :  
3360 GUNSTON RD  
ALEXANDRIA  
VA 22302



DESIGNER : CHRISTOPHER ELY  
COMPANY: RJE TELECOM  
ADDRESS: 31 JUBAI EARLY DR  
CITY, ZIP: WINCHESTER, VA  
PHONE:703-444-1496

PROPERTY OWNER / AUTHORIZED AGENT

Initial:

Date:

Construction Notes

SHEET : 2

**FIRESTOPPING FOR GYPSUM BOARD PENETRATION**

**FIRE STOPPING CATEGORY:** PEN SEALS/CABLE.

**ASSEMBLY PENETRATED:** GYPSUM WALLBOARD ASSEMBLY.

**PENETRATING ITEM:** 9mm RISER RATED MINI PLASTIC CONDUITS VISUAL

**PERCENTAGE OF OPENING FILLED:** 80%

**HOURLY RATING REQUESTED / TYPE:** 1 AND 2 HOUR / F

**OPENING SIZE:** 2 INCHES

**ANNULAR SPACE:** AS PER UL W-L-3195

**SPACE BETWEEN PENETRANTS:** AS PER UL SYSTEM W-L-3195

**SPECIAL CONDITIONS:** 1 AND 2 HOUR GYPSUM WALL WITH PLASTIC MICRODUCT CABLES GOING THROUGH 2 INCH OPENING. 80 PERCENT VISUALLY FILLED.

**APPLICATION DETAILS:** TO FIRESTOP THIS APPLICATION, INSTALL IN ACCORDANCE WITH UL SYSTEM W-L-3195 WITH THE FOLLOWING MODIFICATIONS;

- 1. THE INCLUSION OF THE PLASTIC MICRODUCT CABLES USING MOLDABLE PUTTY IN PLACE OF CP 25WB + SEALANT SHOULD NOT ADVERSELY AFFECT THE PERFORMANCE OF THE FIRESTOP SYSTEM, PROVIDED ALL OTHER SYSTEM PARAMETERS ARE MET.

**3M FIRE BARRIER MATERIAL:** MOLDABLE PUTTY+ OF CP 25WB+ SEALANT

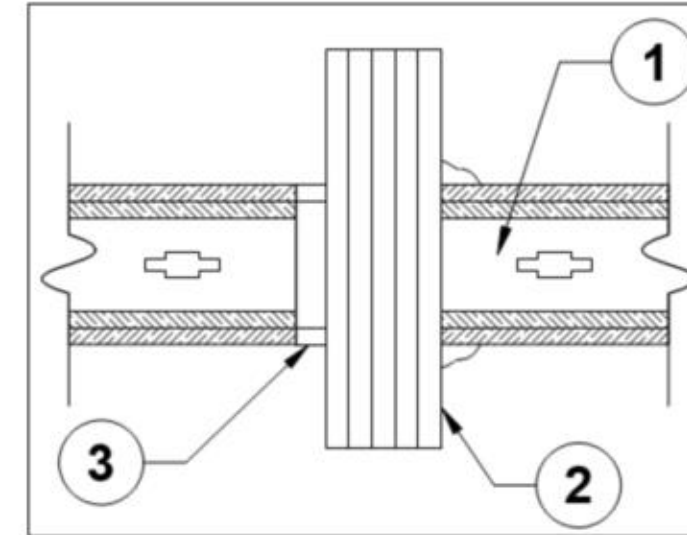
**BASED ON:** W-L-3195

**ADDITIONAL REFERENCED SYSTEM(S):** SEE DETAIL ON RIGHT

THE FIRE STOP DESIGN SHOULD ACHIEVE THE HOURLY RATING REQUESTED. THIS ENGINEERING

JUDGEMENT IS BASED ON PERFORMANCE RESULTS OBTAINED IN TESTING INDEPENDENT LABORATORY SYSTEMS AND OR INTERNAL 3M FIRE TESTS, WHICH HAVE BEEN TESTED ACCORDANCE TO ASTM E814 (UL1479).

3M ENGINEERING  
JUDGEMENT NO. 519292  
MODIFIED SYSTEM  
NO.W-L-3195  
REQUESTED F RATING -  
1 & 2 HR



**SECTION A-A**

- 1. GYPSUM WALLBOARD ASSEMBLY
- 2. PLASTIC MICRODUCT CABLES
- 3. CP 25WB+ SEALANT OR MOLDABLE PUTTY+



PROJECT ID :

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Francisco Foschi  
703-998-6315  
ffoschi@parkfairfax.org

PROPERTY LOCATION :  
3360 GUNSTON RD  
ALEXANDRIA  
VA 22302



DESIGNER : CHRISTOPHER ELY  
COMPANY: RJE TELECOM  
ADDRESS: 31 JUBAI EARLY DR  
CITY, ZIP: WINCHESTER, VA  
PHONE:703-444-1496

PROPERTY OWNER / AUTHORIZED AGENT

Initial:

Date:

**Firestopping**

SHEET : 3

**Floor or Wall Assembly** - Min 2-1/2 in. (64 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600 - 2400 kg/m<sup>3</sup>) concrete floors or min 3 in. (76 mm) thick reinforced lightweight or normal weight concrete walls. Floor assembly may also be constructed of any min 6 in. (152 mm) thick UL Classified hollow-core Precast Concrete Units\*. Wall may also be constructed of any UL Classified Concrete Blocks\*. Max diameter of opening 12-3/4 in. (324 mm). Max diameter of opening in floors constructed of hollow-core concrete is 7 in. (78 mm). See Concrete Blocks (CAZT) and Precast Concrete Units (CFTV) categories in Fire Resistance Directory for names of manufacturers.

**1A. Steel Sleeve** - (Optional) - Nom 12 in. (305 mm) diameter (or smaller) Schedule 10 (or heavier) steel sleeve cast or grouted into floor or wall assembly. Steel sleeve may be installed flush or may project max 2 in. (51 mm) beyond the floor or wall surfaces. As an alternate, nom 12 in. (305 mm) diameter (or smaller) sleeve fabricated from nom 0.019 in. (0.48 mm) thick galvanized steel cast or grouted into floor or wall assembly flush with floor or wall surfaces.

**2.Through Penetrant** - One metallic pipe, conduit, tubing or flexible metal piping installed concentrically or eccentrically within opening. Annular space between penetrant and periphery of opening or sleeve shall be min of 0 in. (0 mm) (point contact) to max 2 in. (51 mm). Penetrant to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of penetrants may be used:

- A. **Steel Pipe** - Nom 10 in. (254 mm) diameter (or smaller) Schedule 10 (or heavier) steel pipe.
- B. **Iron Pipe** - Nom 10 in. (254 mm) diameter (or smaller) cast or ductile iron pipe.
- C. **Conduit** - Nom 6 in. (152 mm) diameter (or smaller) steel conduit or nom 4 in. (102 mm) diameter (or smaller) steel electrical metallic tubing.
- D. **Copper Tubing** - Nom 4 in. (102 mm) diameter (or smaller) Type L (or heavier) copper tubing.
- E. **Copper Pipe** - Nom 4 in. (102 mm) diameter (or smaller) Regular (or heavier) copper pipe.
- F. **Through Penetrating Product\*** - Flexible Metal Piping - The following types of steel flexible metal gas piping may be used:

1.) Nom 2 in. (51 mm) diameter (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

**OMEGA FLEX INC**

2.) Nom 1 in. (25 mm) diameter (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

**GASTITE, DIV OF TITFLEX**

3.) Nom 1 in. (25 mm) diameter (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

**WARD MFG INC**

3. Fire stop System - The details of the fire stop system shall be as follows:

**A. Packing Material** -

Min 2 in. (51 mm) thickness of min 4 PCF (64 kg/m<sup>3</sup>) mineral wool bat insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or top edge of sleeve or from both surfaces of wall or both ends of sleeve as required to accommodate the required thickness of fill material. In floors constructed of hollow-core concrete, packing material to be recessed from top and bottom surfaces of floor or sleeve as required to accommodate the required thickness of fill material.

**B. Fill, Void or Cavity Materials\* - Caulk or Sealant** -

Min 1/2 in. (13 mm) thickness of caulk applied within the annulus, flush with top surface of floor or top edge of sleeve or with both surfaces of wall or both ends of sleeves. In floors constructed of hollow-core concrete, min 1/2 in. (13 mm) thickness of caulk applied within the annulus, flush with top and bottom surfaces of floor or sleeve. Min 1/4 in. (6 mm) diameter bead of caulk applied to the penetrant/concrete or penetrant/sleeve interface at the point contact location on the top surface of floor or both surfaces of wall or hollow-core.

**3M COMPANY**

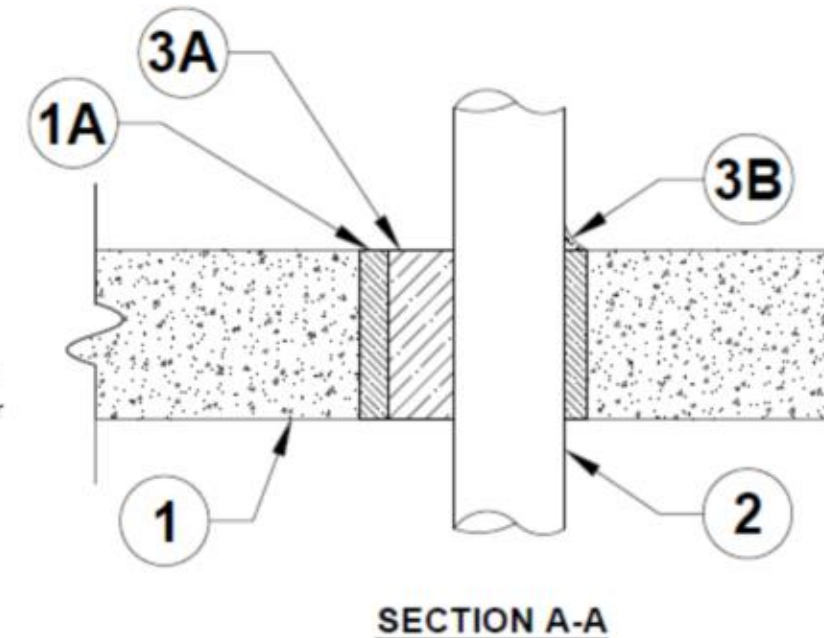
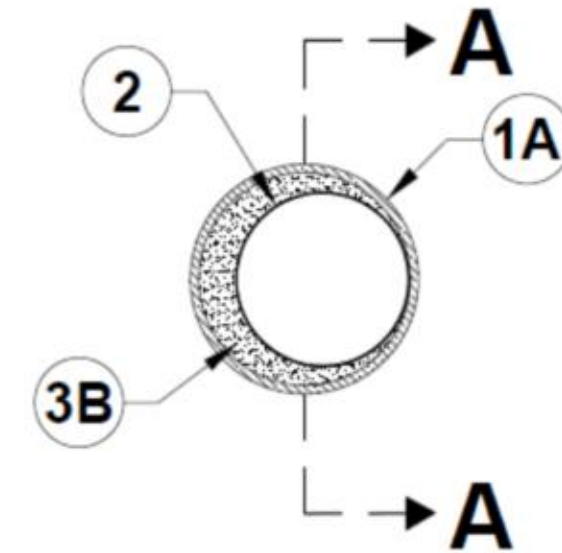
- IC 15WB+, CP 25WB+ caulk or FB-3000 WT sealant  
(Note: W Rating applies only when FB-3000 WT is used.)
- \*Bearing the UL Classification Mark

FIRE STOPPING REQUIREMENTS FOR METALLIC PIPES THROUGH CONCRETE

NOTE:

THIS MATERIAL WAS EXTRACTED & DRAWN BY 3M FIRE PROTECTION PRODUCTS FROM THE 2007 EDITION OF THE UL FIRE RESISTANCE DIRECTORY

SYSTEM NO. C-AJ-1427 MARCH 05, 2007  
 F RATING - 3HR. T RATING - 0 HR.  
 W RATING - CLASS 1 (SEE ITEM 3)



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 COMPANY: RJE TELECOM  
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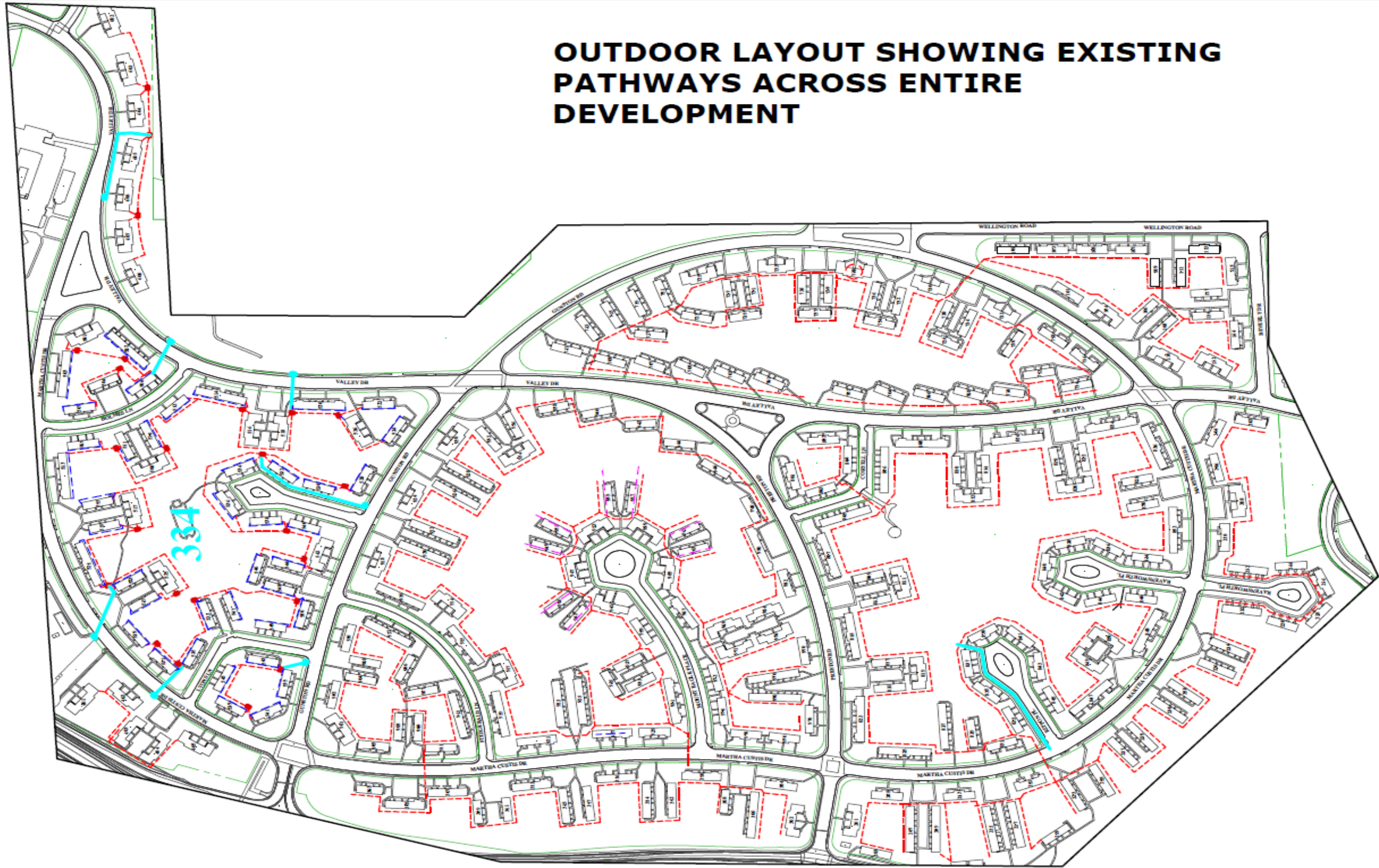
PROPERTY OWNER / AUTHORIZED AGENT

Initial: \_\_\_\_\_ Date: \_\_\_\_\_

Firestopping (Cont'd)

SHEET : 4

# OUTDOOR LAYOUT SHOWING EXISTING PATHWAYS ACROSS ENTIRE DEVELOPMENT



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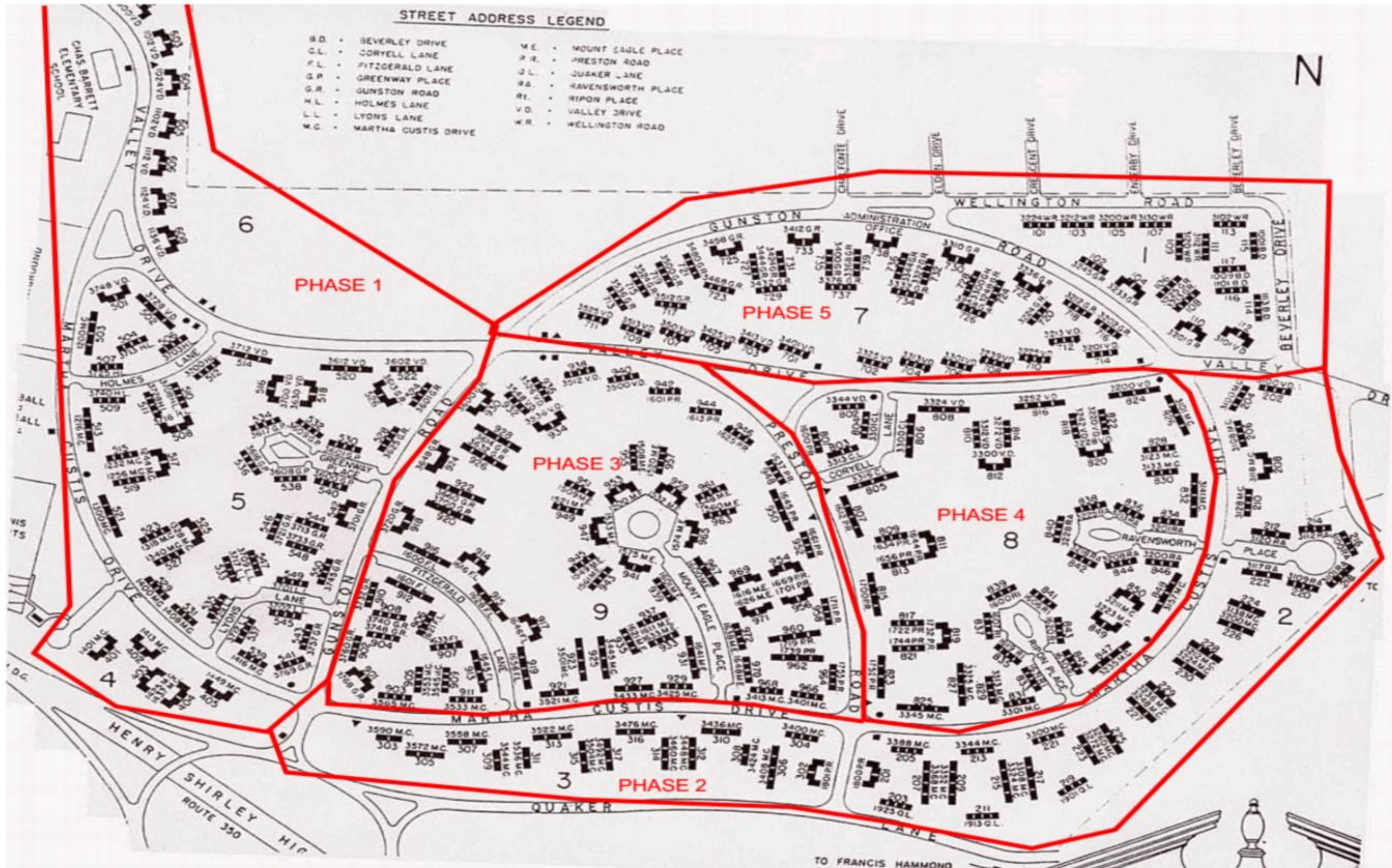
Initial:

Date:

Outdoor plan

SHEET : 5





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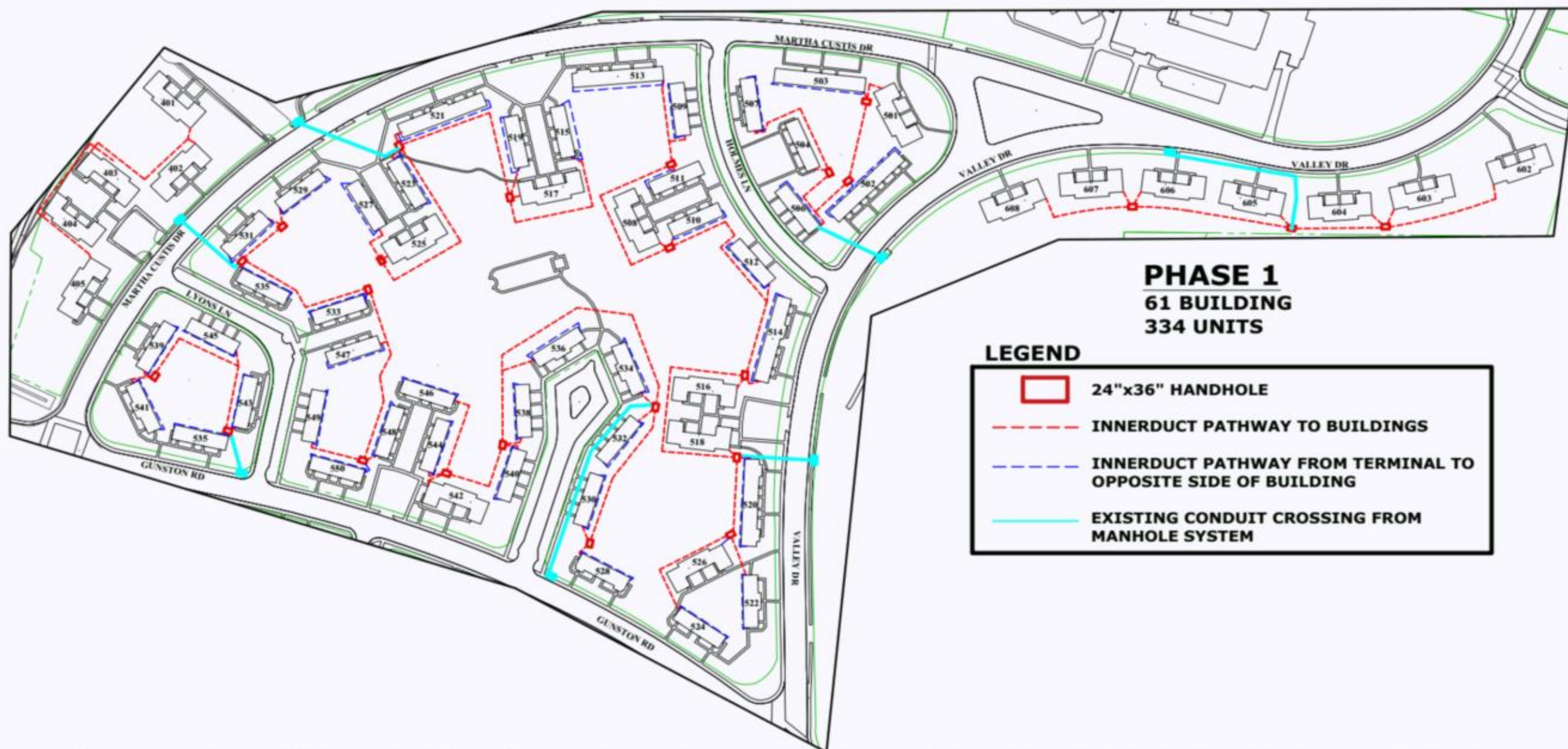
PROPERTY OWNER / AUTHORIZED AGENT

Initial:

Date:

PHASE LAYOUT

SHEET : 6



**OUTDOOR LAYOUT SHOWING EXISTING COPPER PATHWAYS. VERIZON TO LOCATE EXISTING PATHWAYS IN THE FIELD AND FOLLOW.  
 PLACEMENT OF HANDHOLES AND ROUTING OF INNERDUCT ARE NOT EXACT AND CAN CHANGE DUE TO OBSTRUCTION AT TIME OF  
 INSTALL.**



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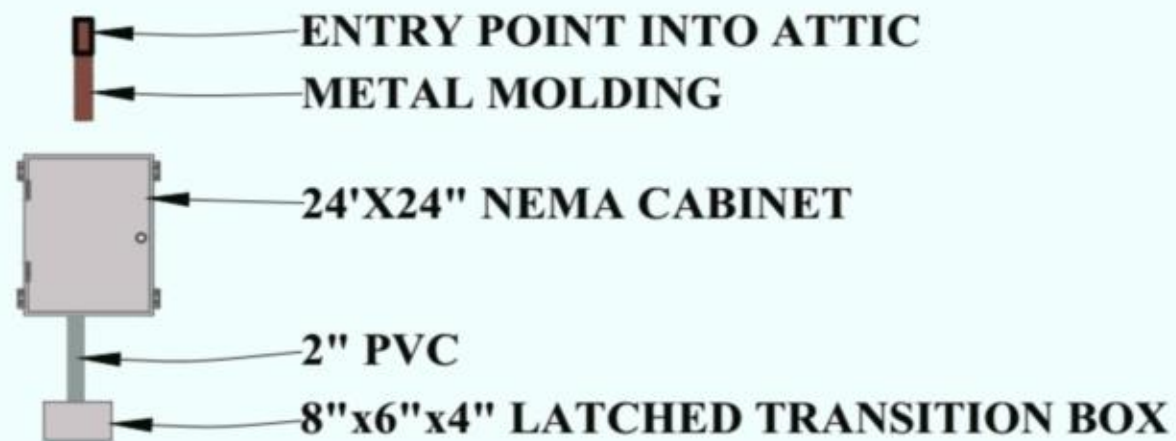
PROPERTY OWNER / AUTHORIZED AGENT

Initial:

Date:

PH.1 LAYOUT

SHEET : 7



**Typical showing placement of Nema Cabinet set up on side of building, exact placement to vary on each building.**

**Metal molding to be placed from Nema Cabinet to Attic Entry Point, Molding to be either Red Brick Color or White to be match exterior of building**

**Microduct to be place thru Attic space and (1) Microduct to be dropped off into each unit and covered with latch molding to a fiber wall plate. location to vary base on conditions at time of install**

**Some 5,6 and 8 unit building to require a small section of molding placed for a lower unit that does not have Attic access. Placement of this to vary based on conditions in the field at time of install**



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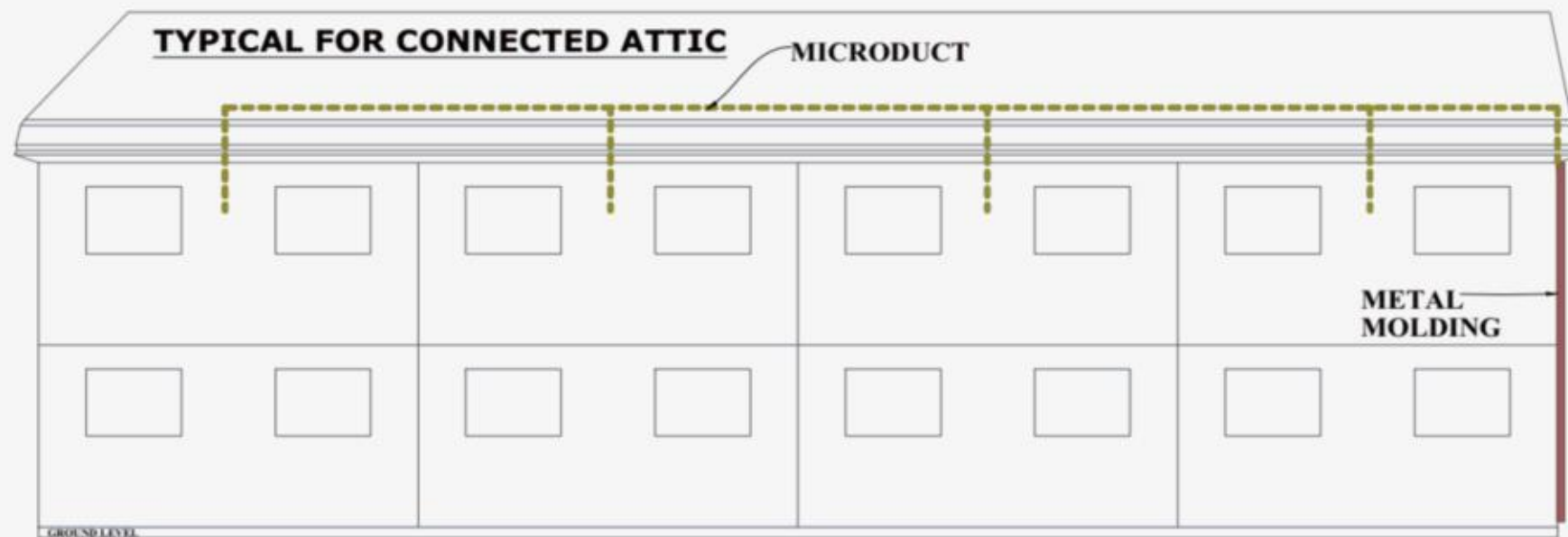
PROPERTY OWNER / AUTHORIZED AGENT

Initial:

Date:

END VIEW

SHEET : 8

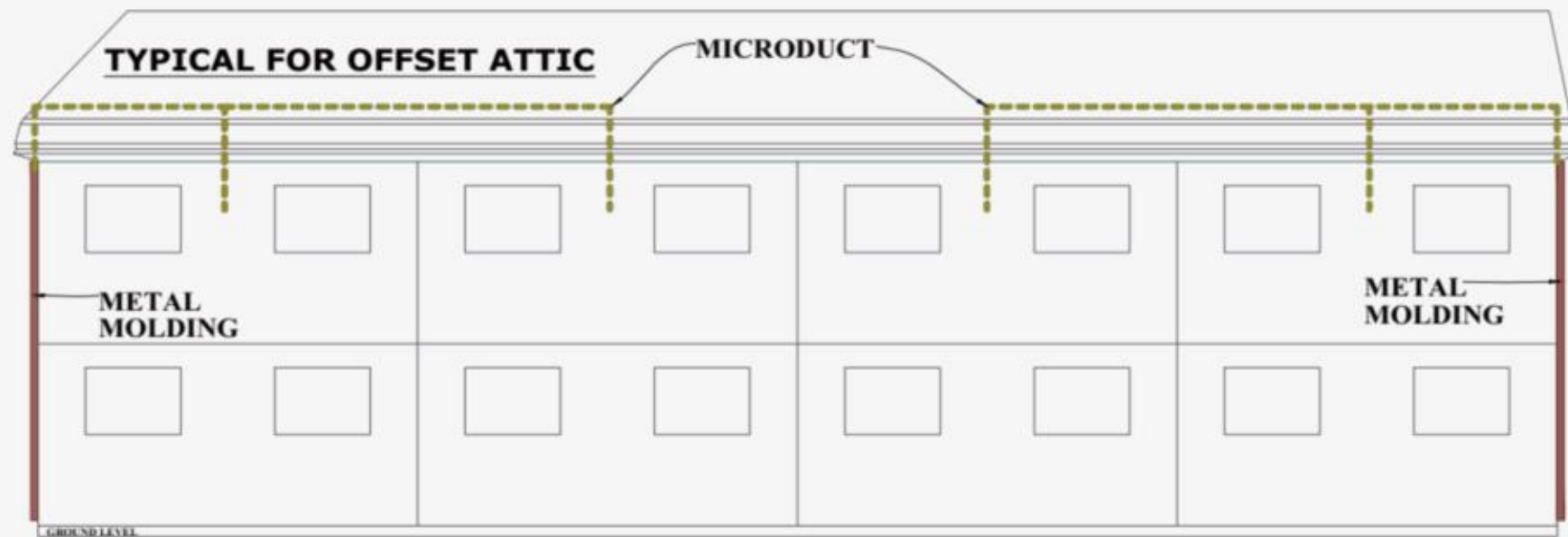
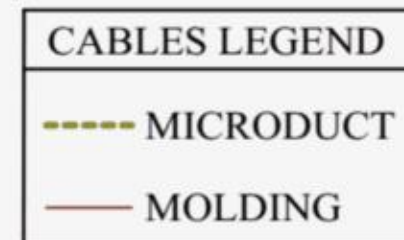


Typical showing Microduct to be place thru Attic space and (1) Microduct to be dropped off into each unit. location to vary base on conditions/access at time of install

Some 4,5,6 and 8 unit buildings have an offset Attic Space. For these building types a transition box with molding runs on each side of the building will be necessary and will be determined at time of install.



**CONNECTED ATTIC**



**OFFSET ATTIC**



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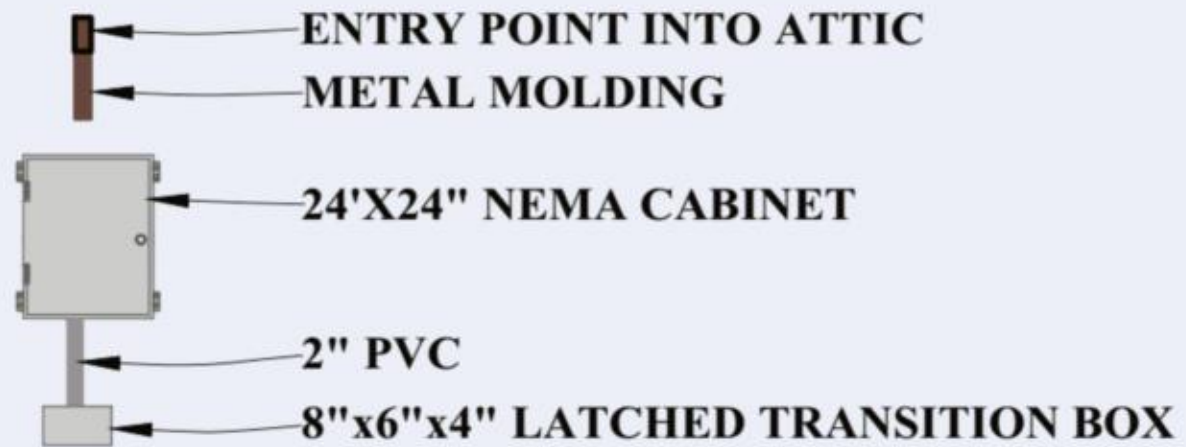
PROPERTY OWNER / AUTHORIZED AGENT

Initial:

Date:

**SIDE VIEW**

SHEET : 9



**TYPICAL 5/6 UNIT LAYOUT**

This type of Building typical has 5/6 Units with connected attic spaces as shown in the photo below

Placement of Nema Cabinet set up on side/rear of building, exact placement to vary on each building.

Metal molding to be placed from Nema Cabinet to Attic Entry Point, Molding to be either Red Brick Color or White to be match exterior of building

Microduct to be place thru Attic space and (1) Microduct to be dropped off into each unit and covered with latch molding to a fiber wall plate. location to vary base on conditions at time of install



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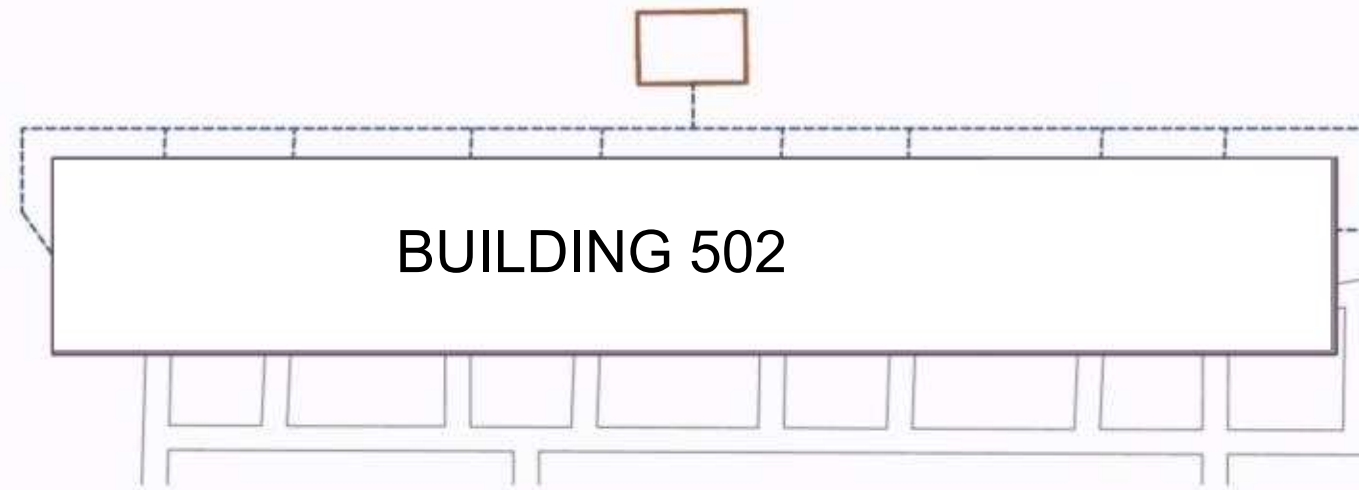
DESIGNER : CHRISTOPHER ELY  
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PROPERTY OWNER / AUTHORIZED AGENT

Initial: \_\_\_\_\_ Date: \_\_\_\_\_

5/6 UNIT

SHEET : 10



CABLES LEGEND	
-----	INNER DUCT

**TYPICAL 10 UNIT LAYOUT**

This type of Building typical has 10 Units and offsetting and unconnected attic spaces as shown in the photo below

The design for these will utilize and handhole placed in the rear with (1) 1.25" innerduct placed to a 4"x4" Transition Box placed at the outside rear of each building.

On the inside opposite of the Transition Box a fiber wall plate is to be placed at the same height as existing Outlets and Jacks

**FIBER WALL PLATE**



**TYPICAL FLUSH TO GRADE 24"X36" HANDHOLE**



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PROPERTY OWNER / AUTHORIZED AGENT

Initial:

Date:

10 UNIT

SHEET : 11



## UNIT LAYOUTS



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Initial: \_\_\_\_\_ Date: \_\_\_\_\_

UNIT LAYOUTS

SHEET : 12

**TYPICAL MATERIALS USED**



**TYPICAL FIBER TERMINAL  
SIZE: 14.5" W x 16.2" L x 6" D**



**TYPICAL HANDHOLE  
WITH FIBER  
TERMINAL**



**TYPICAL  
VERIZON  
FIBER HUB**



**TYPICAL  
12.7MM MICRODUCT**



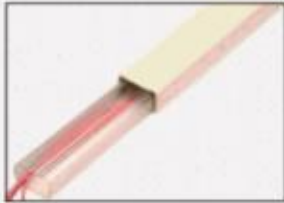
**TYPICAL FIBER WALL PLATE**



**TYPICAL NEMA CABINET  
SIZE: 24" W x 24" L x 10" D**



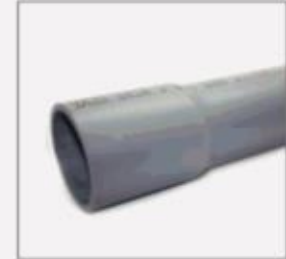
**TYPICAL TRANSITION BOX**



**TYPICAL LATCH MOLDING**



**TYPICAL  
OF METAL  
MOLDING  
IN USE**



**TYPICAL 2" PVC CONDUIT**



**TYPICAL METAL MOLDING**



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TYPICAL MATERIALS

SHEET : 13