

ADDRESS OF PROJECT: _____

DISTRICT: ☐ Old & Historic Alexandria ☐ Parker – Gray ☐ 100 Year Old Building

TAX MAP AND PARCEL: _____ ZONING: _____

APPLICATION FOR: *(Please check all that apply)*

☐ CERTIFICATE OF APPROPRIATENESS

☐ PERMIT TO MOVE, REMOVE, ENCAPSULATE OR DEMOLISH
(Required if more than 25 square feet of a structure is to be demolished/impacted)

☐ WAIVER OF VISION CLEARANCE REQUIREMENT and/or YARD REQUIREMENTS IN A VISION
CLEARANCE AREA *(Section 7-802, Alexandria 1992 Zoning Ordinance)*

☐ WAIVER OF ROOFTOP HVAC SCREENING REQUIREMENT
(Section 6-403(B)(3), Alexandria 1992 Zoning Ordinance)

Applicant: ☐ Property Owner ☐ Business *(Please provide business name & contact person)*

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ E-mail : _____

Authorized Agent *(if applicable)*: ☐ Attorney ☐ Architect ☐ _____

Name: _____ Phone: _____

E-mail: _____

Legal Property Owner:

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ E-mail: _____

- ☐ Yes ☐ No Is there an historic preservation easement on this property?
☐ Yes ☐ No If yes, has the easement holder agreed to the proposed alterations?
☐ Yes ☐ No Is there a homeowner's association for this property?
☐ Yes ☐ No If yes, has the homeowner's association approved the proposed alterations?

If you answered yes to any of the above, please attach a copy of the letter approving the project.

NATURE OF PROPOSED WORK: *Please check all that apply*

- ☐ NEW CONSTRUCTION
☐ EXTERIOR ALTERATION: *Please check all that apply.*

☐ awning
☐ doors
☐ lighting
☐ other _____

☐ fence, gate or garden wall
☐ windows
☐ pergola/trellis

☐ HVAC equipment
☐ siding
☐ painting unpainted masonry

☐ shutters
☐ shed

☐ ADDITION
☐ DEMOLITION/ENCAPSULATION
☐ SIGNAGE

DESCRIPTION OF PROPOSED WORK: *Please describe the proposed work in detail (Additional pages may be attached).*

SUBMITTAL REQUIREMENTS:

Items listed below comprise the **minimum supporting materials** for BAR applications. Staff may request additional information during application review. Please refer to the relevant section of the *Design Guidelines* for further information on appropriate treatments.

Applicants must use the checklist below to ensure the application is complete. Include all information and material that are necessary to thoroughly describe the project. Incomplete applications will delay the docketing of the application for review. Pre-application meetings are required for all proposed additions. All applicants are encouraged to meet with staff prior to submission of a completed application.

Demolition/Encapsulation : *All applicants requesting 25 square feet or more of demolition/encapsulation must complete this section. Check N/A if an item in this section does not apply to your project.*

- N/A

☐ ☐ Survey plat showing the extent of the proposed demolition/encapsulation.

☐ ☐ Existing elevation drawings clearly showing all elements proposed for demolition/encapsulation.

☐ ☐ Clear and labeled photographs of all elevations of the building if the entire structure is proposed to be demolished.

☐ ☐ Description of the reason for demolition/encapsulation.

☐ ☐ Description of the alternatives to demolition/encapsulation and why such alternatives are not considered feasible.

Additions & New Construction: *Drawings must be to scale and should not exceed 11" x 17" unless approved by staff. Check N/A if an item in this section does not apply to your project.*

- ☐ ^{N/A} ☐ Scaled survey plat showing dimensions of lot and location of existing building and other structures on the lot, location of proposed structure or addition, dimensions of existing structure(s), proposed addition or new construction, and all exterior, ground and roof mounted equipment.
- ☐ ☐ FAR & Open Space calculation form.
- ☐ ☐ Clear and labeled photographs of the site, surrounding properties and existing structures, if applicable.
- ☐ ☐ Existing elevations must be scaled and include dimensions.
- ☐ ☐ Proposed elevations must be scaled and include dimensions. Include the relationship to adjacent structures in plan and elevations.
- ☐ ☐ Materials and colors to be used must be specified and delineated on the drawings. Actual samples may be provided or required.
- ☐ ☐ Manufacturer's specifications for materials to include, but not limited to: roofing, siding, windows, doors, lighting, fencing, HVAC equipment and walls.
- ☐ ☐ For development site plan projects, a model showing mass relationships to adjacent properties and structures.

Signs & Awnings: *One sign per building under one square foot does not require BAR approval unless illuminated. All other signs including window signs require BAR approval. Check N/A if an item in this section does not apply to your project.*

- ☐ ^{N/A} ☐ Linear feet of building: Front: _____ Secondary front (if corner lot): _____.
- ☐ ☐ Square feet of existing signs to remain: _____.
- ☐ ☐ Photograph of building showing existing conditions.
- ☐ ☐ Dimensioned drawings of proposed sign identifying materials, color, lettering style and text.
- ☐ ☐ Location of sign (show exact location on building including the height above sidewalk).
- ☐ ☐ Means of attachment (drawing or manufacturer's cut sheet of bracket if applicable).
- ☐ ☐ Description of lighting (if applicable). Include manufacturer's cut sheet for any new lighting fixtures and information detailing how it will be attached to the building's facade.

Alterations: *Check N/A if an item in this section does not apply to your project.*

- ☐ ^{N/A} ☐ Clear and labeled photographs of the site, especially the area being impacted by the alterations, all sides of the building and any pertinent details.
- ☐ ☐ Manufacturer's specifications for materials to include, but not limited to: roofing, siding, windows, doors, lighting, fencing, HVAC equipment and walls.
- ☐ ☐ Drawings accurately representing the changes to the proposed structure, including materials and overall dimensions. Drawings must be to scale.
- ☐ ☐ An official survey plat showing the proposed locations of HVAC units, fences, and sheds.
- ☐ ☐ Historic elevations or photographs should accompany any request to return a structure to an earlier appearance.

ALL APPLICATIONS: *Please read and check that you have read and understand the following items:*

- ☐ I have submitted a filing fee with this application. (Checks should be made payable to the City of Alexandria. Please contact staff for assistance in determining the appropriate fee.)
- ☐ I understand the notice requirements and will return a copy of the three respective notice forms to BAR staff at least five days prior to the hearing. If I am unsure to whom I should send notice I will contact Planning and Zoning staff for assistance in identifying adjacent parcels.
- ☐ I, the applicant, or an authorized representative will be present at the public hearing.
- ☐ I understand that any revisions to this initial application submission (including applications deferred for restudy) must be accompanied by the BAR Supplemental form and revised materials.

The undersigned hereby attests that all of the information herein provided including the site plan, building elevations, prospective drawings of the project, and written descriptive information are true, correct and accurate. The undersigned further understands that, should such information be found incorrect, any action taken by the Board based on such information may be invalidated. The undersigned also hereby grants the City of Alexandria permission to post placard notice as required by Article XI, Division A, Section 11-301(B) of the 1992 Alexandria City Zoning Ordinance, on the property which is the subject of this application. The undersigned also hereby authorizes the City staff and members of the BAR to inspect this site as necessary in the course of research and evaluating the application. The applicant, if other than the property owner, also attests that he/she has obtained permission from the property owner to make this application.

APPLICANT OR AUTHORIZED AGENT:

Signature: Joshua Schakola

Printed Name: _____

Date: _____

OWNERSHIP AND DISCLOSURE STATEMENT

Use additional sheets if necessary

1. Applicant. State the name, address and percent of ownership of any person or entity owning an interest in the applicant, unless the entity is a corporation or partnership, in which case identify each owner of more than three percent. The term ownership interest shall include any legal or equitable interest held at the time of the application in the real property which is the subject of the application.

Name	Address	Percent of Ownership
1.		
2.		
3.		

2. Property. State the name, address and percent of ownership of any person or entity owning an interest in the property located at _____ (address), unless the entity is a corporation or partnership, in which case identify each owner of more than three percent. The term ownership interest shall include any legal or equitable interest held at the time of the application in the real property which is the subject of the application.

Name	Address	Percent of Ownership
1.		
2.		
3.		

3. Business or Financial Relationships. Each person or entity listed above (1 and 2), with an ownership interest in the applicant or in the subject property is required to disclose **any** business or financial relationship, as defined by Section 11-350 of the Zoning Ordinance, existing at the time of this application, or within the 12-month period prior to the submission of this application with any member of the Alexandria City Council, Planning Commission, Board of Zoning Appeals or either Boards of Architectural Review.

Name of person or entity	Relationship as defined by Section 11-350 of the Zoning Ordinance	Member of the Approving Body (i.e. City Council, Planning Commission, etc.)
1.		
2.		
3.		

NOTE: Business or financial relationships of the type described in Sec. 11-350 that arise after the filing of this application and before each public hearing must be disclosed prior to the public hearings.

As the applicant or the applicant's authorized agent, I hereby attest to the best of my ability that the information provided above is true and correct.

_____	_____	<u>Joshua Schakola</u>
Date	Printed Name	Signature

GENERAL NOTES

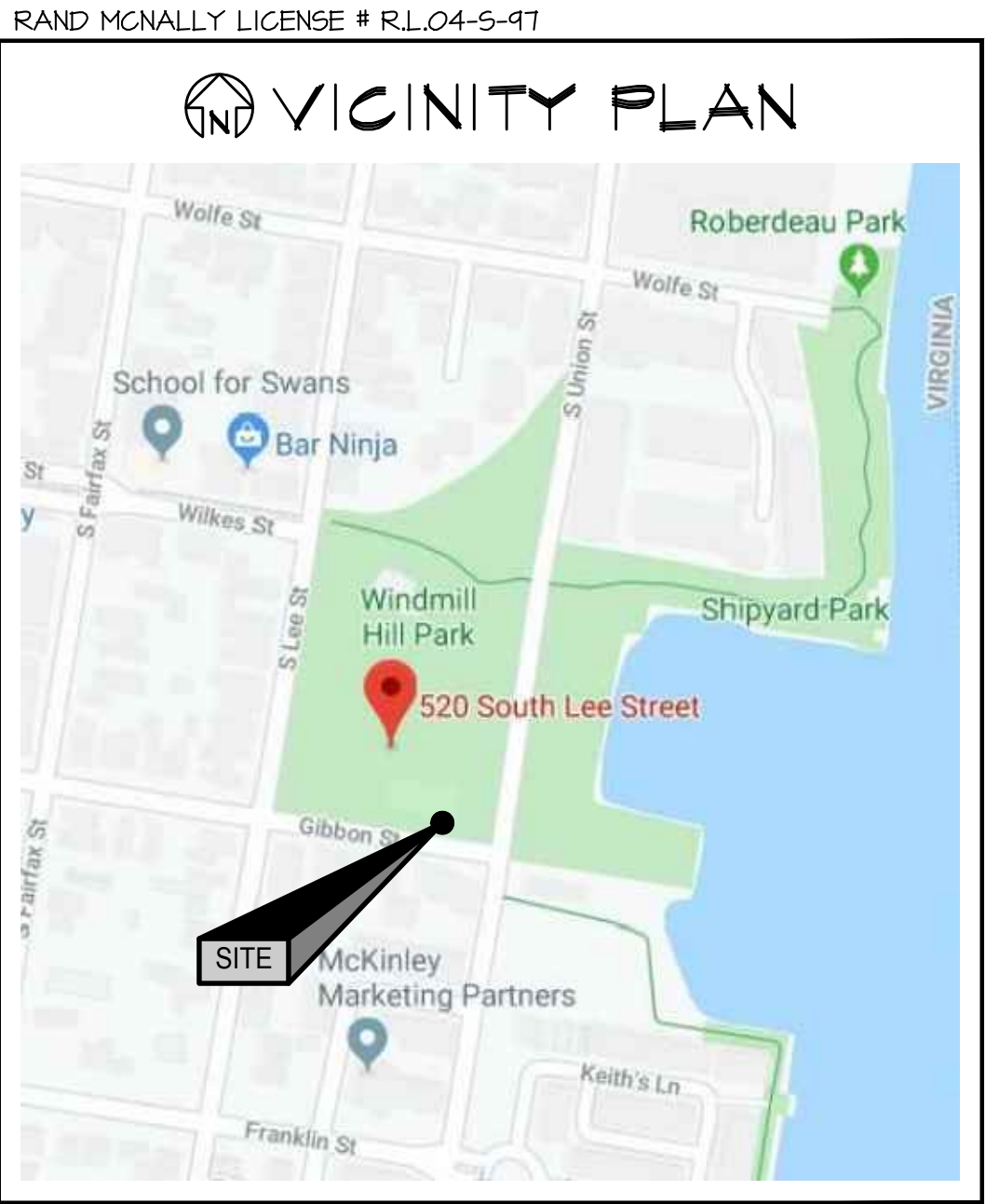
1. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
2. THE ARCHITECT/ENGINEER HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BIDDER FOR THIS JOB IS NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE THE CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
3. THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE VERIZON REPRESENTATIVE OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK. IN THE EVENT OF DISCREPANCIES, THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.
4. THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL EQUIPMENT, MATERIALS AND LABOUR REQUIRED TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.
5. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
6. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED BEFORE BEGINNING ANY PIERCEING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/CONTRACT DOCUMENTS.
7. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S/ VENDOR'S SPECIFICATIONS UNLESS OTHERWISE NOTED OR PRECEDENCE.
8. THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE UPDATED WITH THE LATEST REVISIONS AND ADDENDUMS OR CLARIFICATIONS AVAILABLE FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
9. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY, OR LOCAL GOVERNMENT AUTHORITY.
11. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVEMENTS, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
12. THE CONTRACTOR SHALL MAINTAIN THE GENERAL WORK AREA AS CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DEBRIS, TRASH, AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. IDENTITY OF EQUIPMENT TO BE INCLUDED IN RFG PACKAGE, PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
13. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
14. THE CONTRACTOR SHALL NOTIFY THE VERIZON REPRESENTATIVE WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED BY THE VERIZON REPRESENTATIVE.
15. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE JOB.
16. ALL UNISTRUT, HARDWARE, AND OUTDOOR JUNCTION BOXES SHALL BE GALVANIZED STEEL. FOR FIELD CUTS OF GALVANIZED ITEMS, FIRST COAT SHALL BE COLD GALVANIZED AND SECOND COAT SHALL BE MARINE GRADE GALVANIZED.
17. RETURN ANY UNUSED MATERIALS WITH REQUIRED DOCUMENTATION TO THE VERIZON WAREHOUSE WITHIN 14 DAYS OF PROJECT COMPLETION. RETURNED MATERIAL NEEDS TO BE ACCOMPANIED WITH AN RMA FORM AND PACKAGING REQUIREMENTS STIPULATED BY THE VZIN CONSTRUCTION ENGINEER.
18. CONTRACTOR IS RESPONSIBLE FOR STORAGE OF ALL MATERIAL PROVIDED BY VERIZON. VERIZON IS NOT RESPONSIBLE FOR THOSE MATERIALS ONCE PICKED UP FROM THE WAREHOUSE.
19. CONTRACTOR SHALL PERFORM A PUNCH WALK WITH VZIN CONSTRUCTION & OPERATION REPRESENTATIVE PRIOR TO DECLARING CONSTRUCTION COMPLETE.
20. GENERAL CONTRACTOR SHALL PROVIDE A 10LBS. DRY-CHEMICAL FIRE EXTINGUISHER ON SITE DURING CONSTRUCTION. UPON COMPLETION OF ALL WORK, CONTRACTOR SHALL REMOVE FIRE EXTINGUISHER FROM SITE.

INDEX OF DRAWINGS

C5-1	SITE LOCATION AND VICINITY PLAN, INDEX OF DRAWINGS, AND CODE ANALYSIS
C-1	SITE PLAN
C-2	SITE DETAILS
C-3	TRANSPORTATION MANAGEMENT PLAN
S-1	STRUCTURAL SECTIONS AND DETAILS
S-2	GENERAL NOTES
E-1	SPECIFICATIONS, SYMBOLS LIST, PANEL SCHEDULE AND DETAILS
E-2	POWER RISER DIAGRAM, EQUIPMENT PLAN, AND NOTES
E-3	GROUNDING DIAGRAM, DETAILS, AND NOTES
E-4	DIAGRAMS

CODE ANALYSIS

APPLICABLE BUILDING CODE:	IBC 2015
USE GROUP:	UTILITY (U)
CONSTRUCTION TYPE:	IIB
UTILITY COMPANY:	DOMINION



PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE INSTALLATION OF VERIZON WIRELESS TELECOMMUNICATIONS EQUIPMENT ON A PROPOSED UTILITY POLE TO REPLACE EXISTING. THE ASSOCIATED ANTENNA WILL BE MOUNTED ON THE PROPOSED UTILITY POLE AT A RAD CENTER OF 25'-3".

DIRECTIONS TO SITE

FROM JUNCTION DRIVE:

- TURN LEFT ONTO DORSEY LANE
- TAKE RAMP ON LEFT FOR MD-32 EAST
- TAKE EXIT #10C RAMP ON RIGHT TO MERGE ONTO BALTIMORE WASHINGTON PARKWAY SOUTH
- TAKE EXIT ONTO I-495/I-45 TOWARDS RICHMOND VA
- KEEP RIGHT AT FORK TO STAY ON I-495 S/I-45 S
- TAKE EXIT #17E/C TO MERGE ONTO US-1 NORTH/ SOUTH PATRICK STREET TOWARD ALEXANDRIA
- MERGE ONTO US-1 NORTH / SOUTH PATRICK STREET
- TURN RIGHT ONTO FRANKLIN STREET
- TURN LEFT ONTO SOUTH LEE STREET
- TURN RIGHT ONTO GIBSON STREET
- DESTINATION WILL BE ON THE LEFT

VERIZON WIRELESS REVIEW

BUILDING OWNER	DATE
ENGINEERING	DATE
OPERATIONS	DATE
CONSTRUCTION	DATE

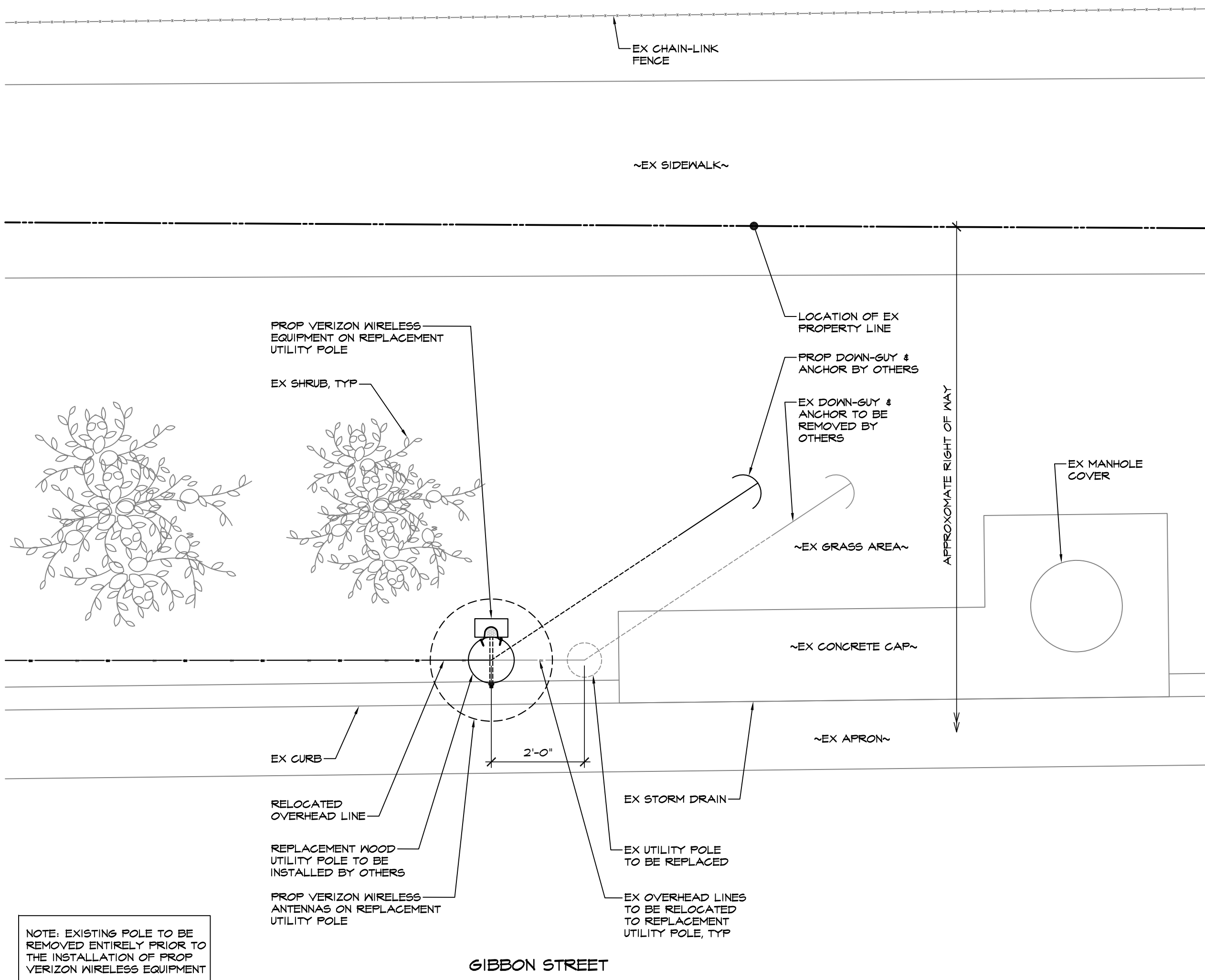
DIRECTIONS TO SITE

FROM JUNCTION DRIVE:

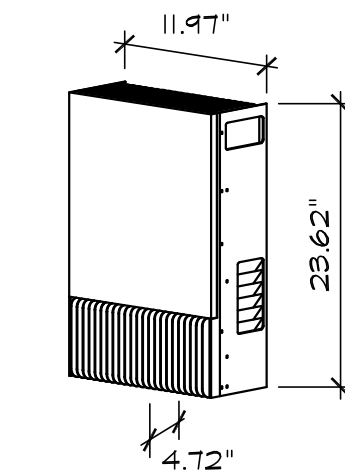
- TURN LEFT ONTO DORSEY LANE
- TAKE RAMP ON LEFT FOR MD-32 EAST
- TAKE EXIT #10C RAMP ON RIGHT TO MERGE ONTO BALTIMORE WASHINGTON PARKWAY SOUTH
- TAKE EXIT ONTO I-495/I-15 TOWARDS RICHMOND VA
- KEEP RIGHT AT FORK TO STAY ON I-495 S/I-15 S
- TAKE EXIT #11TB-C TO MERGE ONTO US-1 NORTH/ SOUTH PATRICK STREET TOWARD ALEXANDRIA
- MERGE ONTO US-1 NORTH / SOUTH PATRICK STREET
- TURN RIGHT ONTO FRANKLIN STREET
- TURN LEFT ONTO SOUTH LEE STREET
- TURN RIGHT ONTO GIBBON STREET
- DESTINATION WILL BE ON THE LEFT

VERIZON WIRELESS REVIEW	
BUILDING OWNER _____	DATE _____
ENGINEERING _____	DATE _____
OPERATIONS _____	DATE _____
CONSTRUCTION _____	DATE _____

TEI#19154A

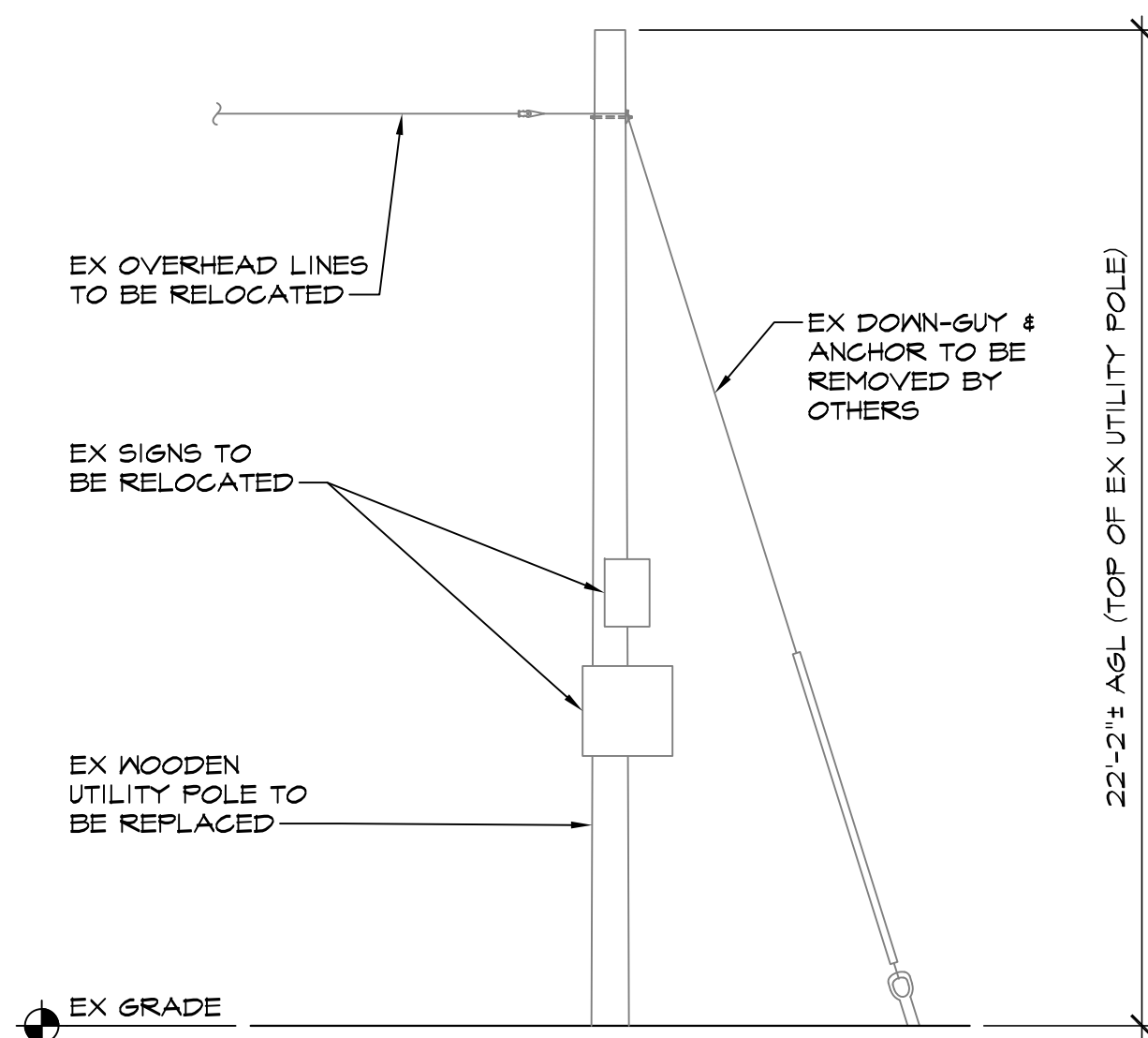


ENLARGED EQUIPMENT LAYOUT
SCALE: 1/2" = 1'-0"

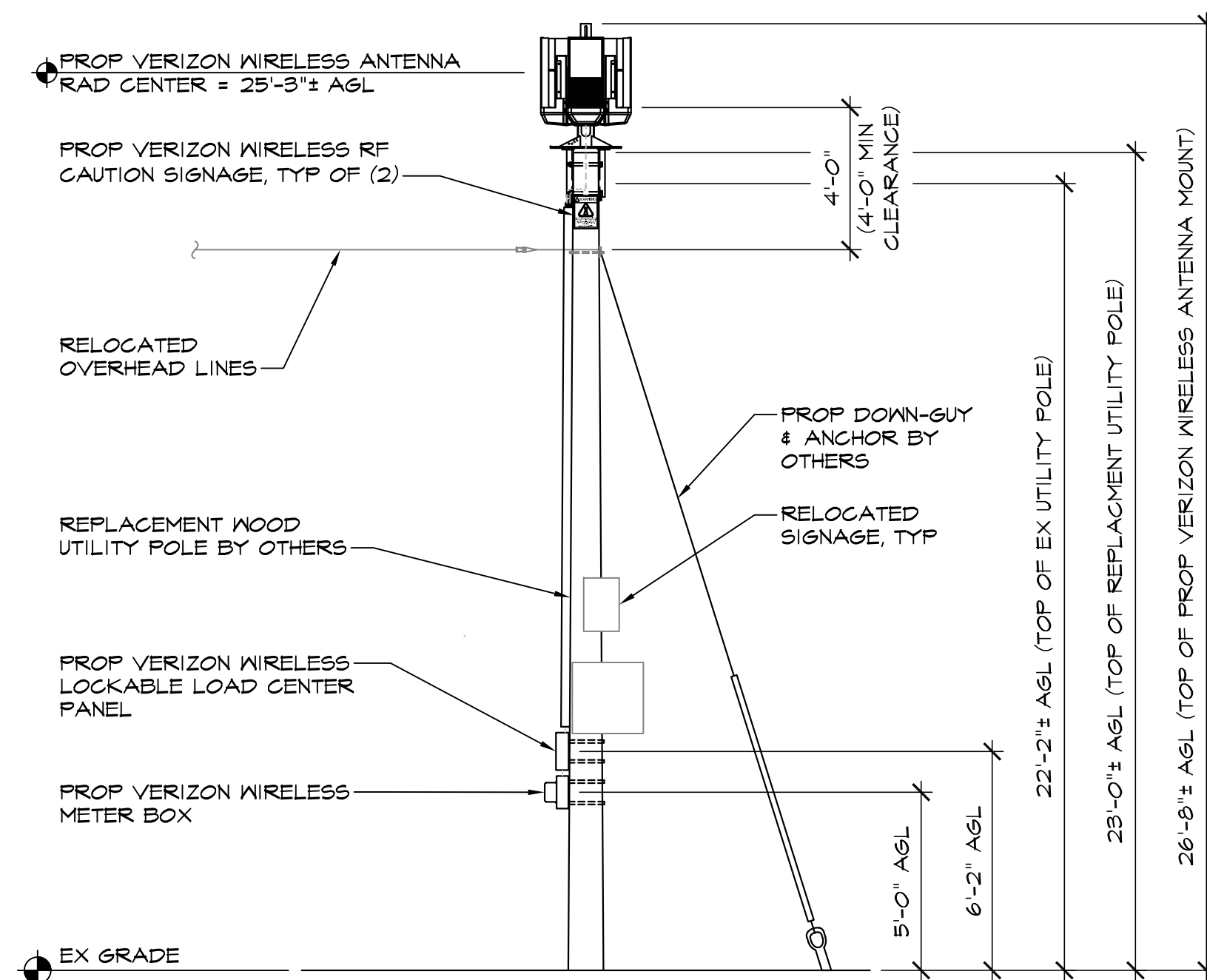


NOKIA
AEUB AIRSCALE

VERIZON WIRELESS ANTENNA DETAILS
NOT TO SCALE



EXISTING UTILITY POLE ELEVATION
SCALE: 1/4" = 1'-0"



REPLACEMENT UTILITY POLE ELEVATION
SCALE: 1/4" = 1'-0"

VOLUME CALCULATIONS	
PROPOSED	
ANTENNAS:	5.00± CF
EQUIPMENT:	0.50± CF



PROTECT YOURSELF, GIVE THREE WORKING DAYS NOTICE.
THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERE TO APPURTENANT.



MORRIS & RITCHIE
ASSOCIATES, INC.
Civil / Structural Engineers
1320-C East Joppa Road, Suite 505
Towson, Maryland 21286
410-621-1690
410-621-1748 Fax



verizon
OLD TOWN I - SMALL CELL
GIBBON STREET ROW ADJACENT TO 520 SOUTH LEE STREET
ALEXANDRIA, VIRGINIA 22314 (CITY OF ALEXANDRIA)

REVISIONS:

NO.	DESCRIPTION	DATE

PERMIT DWGS 01/22/20

DESIGNED BY: RJD

DRAWN BY: JCN

PROJECT NO: 10427.2840

DATE: 01/14/2019

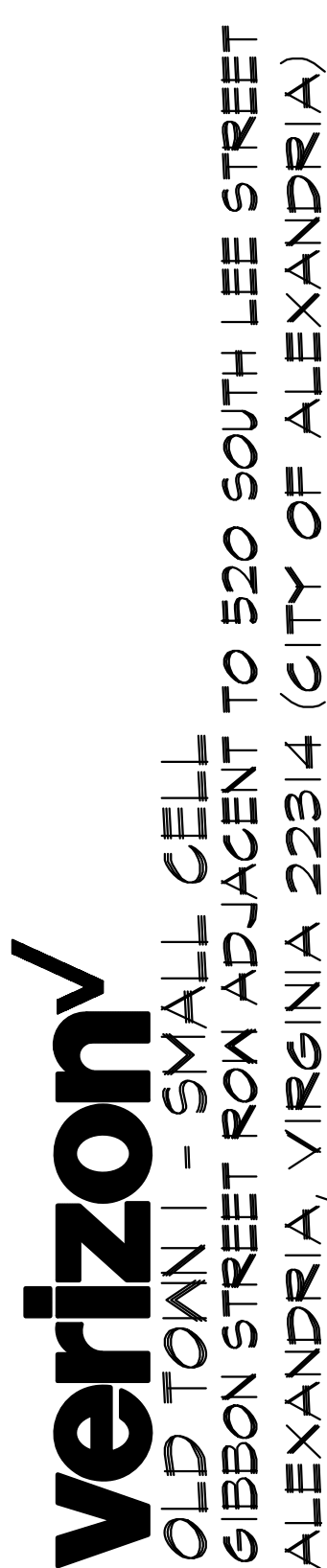
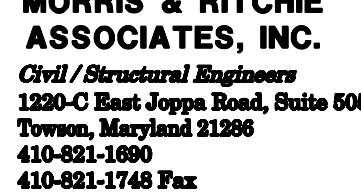
SCALE: AS NOTED

TITLE:

Site
Details

SHEET:

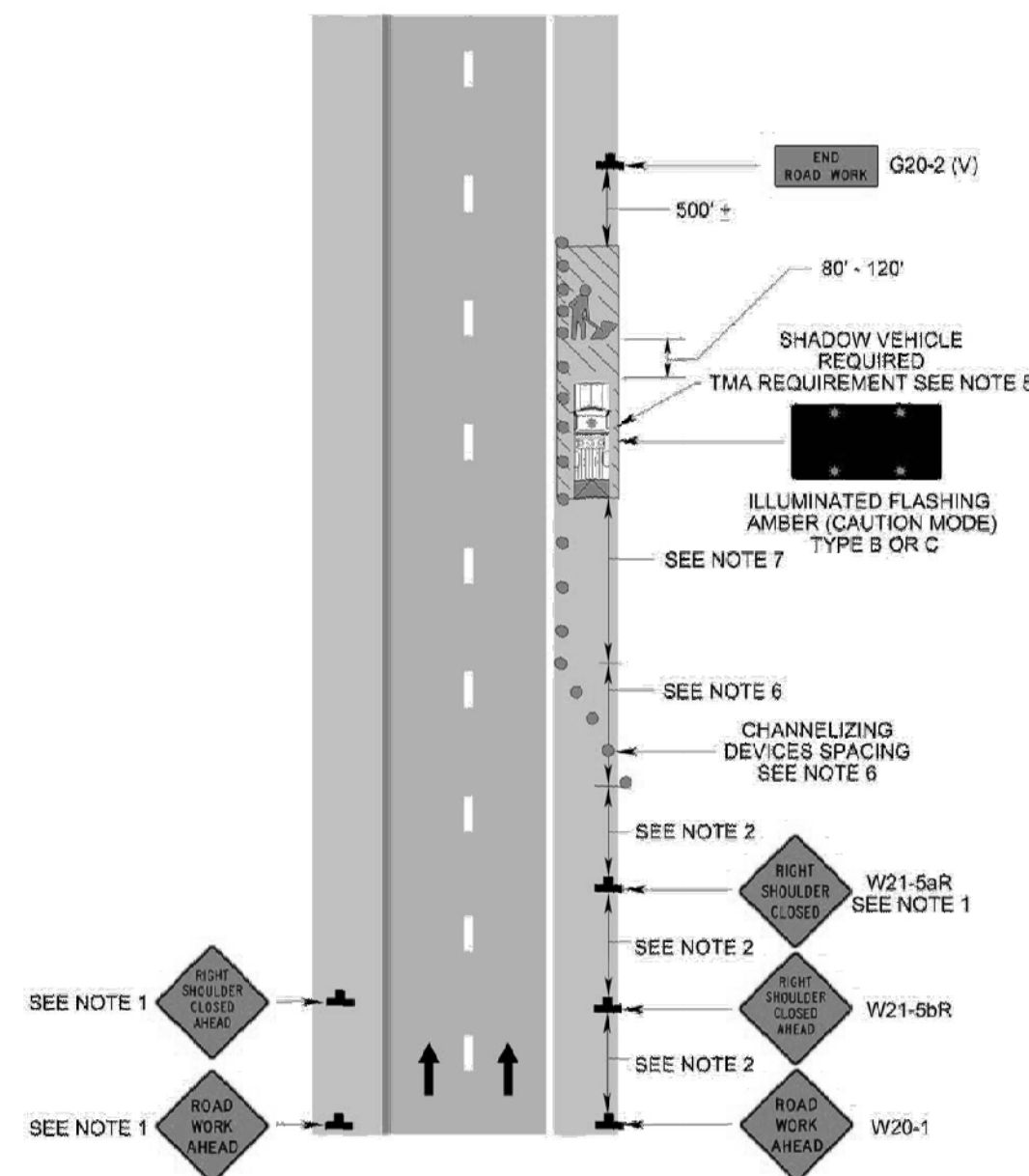
C-2



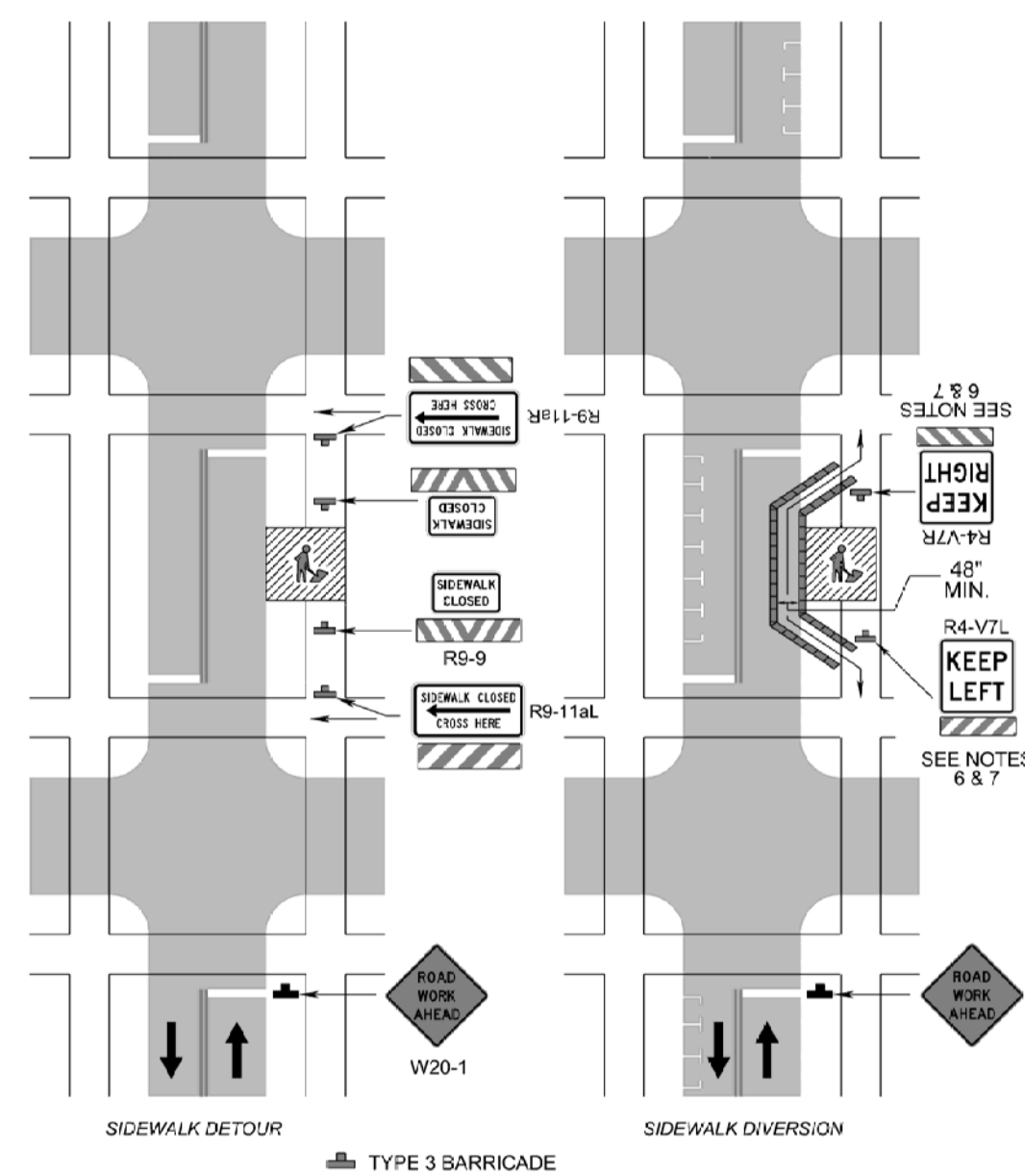
1. THE CONTRACTOR SHALL MAKE ANY NECESSARY ADJUSTMENTS DURING BOTH WORK AND NON-WORK HOURS TO ENSURE THE PROTECTION AND SAFETY OF PEDESTRIANS, VEHICULAR TRAFFIC, AND THE GENERAL PUBLIC FROM ANY CONSTRUCTION RELATED ACTIVITY, CONSTRUCTION EQUIPMENT, AND THE CONSTRUCTION SITE ITSELF.

7. The buffer space length shall be as shown in Table 6H-3 on Page 6H-5 for the posted speed limit.
8. A truck-mounted attenuator (TMA) shall be used on the shadow vehicle on Limited Access highways and multi-lane roadways with posted speed limit equal to or greater than 45 mph for operations with a duration greater than 60 minutes.
9. When a side road intersects the highway within the temporary traffic control zone, additional traffic control devices shall be placed as needed.

1: Revision 1 - 4/1/2015



8. All sidewalk closures shall be closed with Type 3 Barricades.



C3

PROTECT YOURSELF, GIVE THREE
WORKING DAYS NOTICE

THIS DRAWING DOES NOT INCLUDE NECESSARY
COMPONENTS FOR CONSTRUCTION SAFETY. ALL
CONSTRUCTION MUST BE DONE IN COMPLIANCE
WITH THE OCCUPATIONAL SAFETY AND HEALTH
ACT OF 1970 AND ALL RULES AND REGULATIONS
THERE TO APPURTENANT.

A

B

C

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G

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GENERAL STRUCTURAL NOTES

BUILDING CODES

- A. ALL CONSTRUCTION SHALL CONFORM WITH THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE 2015 CONSTRUCTION CODE, THE TIA STANDARD (TIA-222-S) AND ALL SUBSEQUENT SUPPLEMENTS, THE INTERNATIONAL BUILDING CODE (IBC 2015) AND ALL SUBSEQUENT SUPPLEMENTS & DOCUMENTS.
- B. IN ADDITION, ALL CONSTRUCTION SHALL CONFORM WITH ANY LOCAL CODES AND REQUIREMENTS.

DESIGN LOADS

- A. THE DESIGN DEAD LOADING FOR ALL FRAMING IS BASED ON THE CONSTRUCTION MATERIALS SHOWN ON THE DRAWINGS. ALL FRAMING IS DESIGNED FOR THE HEIGHT OF THE EQUIPMENT INDICATED ON THE DRAWINGS.
- B. WIND LOAD DESIGN DATA
 - BASIC WIND SPEED (ULTIMATE 3-SECOND GUST): 116 MPH
 - BASIC WIND SPEED (NOMINAL 3-SECOND GUST): 90 MPH
 - RISK CATEGORY: II
 - WIND EXPOSURE CATEGORY: C
- C. SEISMIC LOAD DESIGN DATA
 - NOT APPLICABLE: Ss < 1.0

MISCELLANEOUS

- A. SHOP DRAWINGS FOR ALL STRUCTURAL ELEMENTS SHOWN ON THE CONTRACT DOCUMENTS MUST BE SUBMITTED BY THE CONTRACTOR OR OWNER FOR REVIEW BY THE ENGINEER. IF THE CONTRACTOR OR OWNER FAILS TO SUBMIT THE SHOP DRAWINGS, THE ENGINEER WILL NOT BE RESPONSIBLE FOR STRUCTURAL CERTIFICATION AND DESIGN OF THE PROJECT. THE SHOP DRAWINGS SHALL INDICATE ANY DEVIATIONS OR OMISSIONS FROM THE CONTRACT DOCUMENTS. THE GENERAL CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMISSION AND MAKE ALL CORRECTIONS DEEMED NECESSARY.
- B. SEE CIVIL AND MEP CONTRACT DOCUMENTS FOR ADDITIONAL INFORMATION RELATING TO THE COORDINATION OF STRUCTURAL COMPONENTS.
- C. THE CONTRACTOR SHALL NOT SUBMIT REPRODUCTIONS OF THE STRUCTURAL CONTRACT DOCUMENTS AS SHOP DRAWINGS.
- D. SCALES SHOWN ON THE STRUCTURAL CONTRACT DRAWINGS ARE FOR GENERAL INFORMATION ONLY. DIMENSIONAL INFORMATION SHALL NOT BE OBTAINED BY SCALING THE DRAWINGS.
- E. APPLY DETAILS, SECTIONS AND NOTES ON THE DRAWINGS WHERE CONDITIONS ARE SIMILAR TO THOSE INDICATED BY DETAIL, DETAIL TITLE OR NOTE.

STRUCTURAL AND MISCELLANEOUS STEEL

- A. ALL STEEL CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE AISC STEEL CONSTRUCTION MANUAL "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" (ANSI/AISC 360) AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".
- B. ALL MISCELLANEOUS STEEL (CHANNELS AND PLATES) SHALL CONFORM TO ASTM A36 (Fy = 36 KSI).
- C. ALL HSS SQUARE OR RECTANGULAR SHAPES SHALL CONFORM TO ASTM A500, GRADE B (Fy = 46 KSI).
- D. ALL PIPES SHALL CONFORM TO ASTM A53, GRADE B (Fy = 35KSI)
- E. ALL THRU BOLTS SHALL CONFORM TO ASTM A307 (Fu = 60 KSI).
- F. ALL NUTS SHALL CONFORM TO ASTM A563. ALL WASHERS SHALL CONFORM TO ASTM F436.
- G. ALL SHOP WELDS SHALL BE PERFORMED BY CERTIFIED WELDERS AND CONFORM TO THE AMERICAN WELDING SOCIETY CODE FOR BUILDINGS AND D1.1. WELDS SHALL DEVELOP THE FULL STRENGTH OF MATERIALS BEING WELDED UNLESS OTHERWISE INDICATED.
- H. AN INDEPENDENT INSPECTION AGENCY SHALL INSPECT ALL STRUCTURAL STEEL AND VERIFY THAT IT CONFORMS TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. FIELD INSPECTION REPORTS SHALL BE SUBMITTED TO THE ENGINEER WITHIN 5 DAYS OF THE INSPECTION. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY OF ALL PHASES OF STEEL CONSTRUCTION AND WELDINGS.
- I. STEEL MEMBERS, FABRICATIONS AND ASSEMBLIES EXPOSED TO WEATHER OR INDICATED TO BE GALVANIZED SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123 AFTER FABRICATION. ALL BOLTS, SCREWS, WASHERS & NUTS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM F2324.
- J. PROVIDE HOLES IN STEEL AS REQUIRED TO PREVENT ANY ACCUMULATION OF WATER. ALL PENETRATIONS THROUGH MAIN MEMBERS SHALL NOT EXCEED 1-1/8" DIA. AND SHALL BE GROUND SMOOTH. THESE DRAINS MUST BE KEPT CLEAN AND OPEN.
- K. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS INDICATING THE SIZES, EXTENT, AND LOCATION OF ALL STRUCTURAL AND MISCELLANEOUS STEEL FRAMING INCLUDING ALL CONNECTIONS, FASTENERS, AND BEARINGS.
- L. SHOW ALL COFES, HOLES, OPENINGS AND MODIFICATIONS REQUIRED IN STRUCTURAL STEEL MEMBERS FOR ERECTION OR THE WORK OF OTHER TRADES ON THE SHOP DRAWINGS FOR APPROVAL BY THE STRUCTURAL ENGINEER.

DOMINION NOTES:

- A. A 9"x11" RF NOTICE SIGN MUST BE INSTALLED ON BOTH SIDES OF THE POLE A MINIMUM OF ONE FOOT ABOVE THE UPPERMOST ELECTRIC SUPPLY FACILITIES. THIS SIGN MARKS THE POINT WHERE RF EXPOSURE LEVELS MAY EXCEED FCC OET-68 APPENDIX A1 LIMITS FOR UNCONTROLLED GENERAL POPULATION EXPOSURE. WORKING ABOVE THIS POINT REQUIRES DE-ENERGIZING THE ANTENNA. THIS SIGN MUST INCLUDE THE STANDARD RF SYMBOL AND STATE "NON RF WORKERS MUST POWER DOWN DEVICE WHEN WORKING ABOVE THIS POINT." THE SIGN SHALL BE 60 MIL LEXAN WITH U.V. INHIBITORS AND SIGNS SHALL ADHERE TO IEEE C49.2 STANDARDS.
- B. A POWER DISCONNECT MUST BE INSTALLED. THIS DEVICE MUST PROVIDE DISCONNECTING MEANS FOR DE-ENERGIZING AC AND DC (BATTERY BACK UP) POWER TO THE ANTENNA. THE DISCONNECT SHOULD BE A STANDARD NEMA TYPE HINGED ENCLOSURE AND IS SUBJECT TO COMPANY APPROVAL. THE DISCONNECT SHALL BE CLEARLY LABELED AS THE ANTENNA POWER DISCONNECT.
- C. AN ADDITIONAL RF LABEL ON THE EQUIPMENT MUST INCLUDE COMMUNICATION COMPANY NAME, AND A 24-HR CONTACT PHONE NUMBER. THE LABEL SHALL ADHERE TO IEEE C49.2 STANDARDS.
- D. THE ANTENNA SHALL BE MOUNTED THE GREATER VALUE OF NESC MINIMUM CLEARANCE OR THE MINIMUM CLEARANCE REQUIRED TO MEET OET UNCONTROLLED EXPOSURE GUIDELINES AT A POINT 1' ABOVE THE ELECTRIC FACILITIES. THE ANTENNA INCLUDING ATTACHING HARDWARE SHALL BE MOUNTED A MINIMUM OF 45' ABOVE PRIMARY INSTALLATIONS AND 40' ABOVE SECONDARY INSTALLATIONS. (NESC TABLE 238-1)
- E. ANTENNA EQUIPMENT IS PERMISSIBLE ON WOOD POLES ONLY.
- F. ONLY NON METALLIC ELECTRIC GRADE CONDUIT OR RISERS CAN BE USED FOR ROUTING THE COMMUNICATION CABLES THROUGH THE SUPPLY SPACE. THE CONDUIT INSTALLATION SHALL NOT OBSTRUCT THE CLIMBING SPACE OR WORKING SPACE ON THE POLE AND SHALL NOT OBSTRUCT SUPPLY EQUIPMENT. (NESC 238B, AND NESC 239H4).
- G. THE INSTALLATION MUST MEET ALL NESC REQUIREMENTS.
- H. A DOMINION DISTRIBUTION REPRESENTATIVE MUST APPROVE ALL ANTENNA ATTACHMENT POLES. ANTENNAS ARE NOT ALLOWED ON POLES FREQUENTLY VISITED BY OPERATIONS PERSONNEL. THESE INCLUDE EQUIPMENT POLES SUCH AS RECLOSERS, THREE PHASE TRANSFORMER BANKS, THREE PHASE TERMINALS, CAPACITORS, SWITCHES, ETC.
- I. INSTALLERS WORKING IN THE AREA OF THE POLE ABOVE THE NORMAL COMMUNICATIONS SPACE MUST MEET OSHA 1910.269 REQUIREMENTS.
- J. AN ANTENNA GROUND WIRE AND GROUNDING ELECTRODE IS REQUIRED. THIS GROUND SHALL BE BONDED TO THE COMPANY GROUND WIRE.
- K. VERIZON TO LEAVE MINIMUM 3' LEADS COILED AND SECURED TO PREVENT ACCIDENTAL CONTACT WITH SECONDARY CONDUCTORS.

- L. SERVICE WILL BE CONNECTED BY VERIZON IN COMPLIANCE WITH FILED RATE PLAN.
- M. LINE ARRESTER INSTALLATIONS ARE REQUIRED ON POLES WITH PRIMARY CONDUCTORS.
- N. VERIZON'S GROUND MAY NOT BE USED TO SATISFY NEC REQUIREMENTS FOR THE EQUIPMENT BRACKET AC SERVICE GROUND. THE EQUIPMENT AND ITS AC SERVICE GROUND ARE REQUIRED TO BE BONDED TO THE COMPANY GROUND CONDUCTOR ON THE POLE AT LEAST 6" ABOVE GROUND LEVEL USING A NO. 6 CU CONDUCTOR. CONNECTION TO THE COMPANY'S GROUND ROD OR CONNECTOR IS NOT APPROVED.
- O. BONDS SHALL BE MADE BETWEEN THE GROUND WIRE AND THE EQUIPMENT CABINET (NOT NEUTRAL BUS) OF THE POWER SUPPLY/SWITCH. THESE CONNECTIONS ARE TO AVOID POTENTIAL DIFFERENCES BETWEEN DEVICES ON THE POLES. BOND TO THE POWER SUPPLY/SWITCH SHALL BE EXTERNAL AND VISIBLE FROM THE GROUND. WHEN A COMPANY DRIVEN GROUND EXISTS ON THE POLE, THE EQUIPMENT CASE BONDING WIRE NEED EXTEND ONLY FROM THE SWITCH TO THE COMPANY GROUND WIRE.
- P. THE METER BASE, EQUIPMENT BRACKET, AND DISCONNECT SHOULD BE MOUNTED PROVIDING EIGHT FEET MINIMUM GROUND CLEARANCE. THEY MAY BE MOUNTED AT OPERATIONAL HEIGHT THAT:
 - 1. THE EQUIPMENT BRACKET DOES NOT OBSTRUCT A WALKWAY OR IS SUBJECT TO VEHICULAR TRAFFIC.
 - 2. THE EQUIPMENT BRACKET CAN NOT BE USED ALONE OR IN CONJUNCTION WITH A FENCE, PEDESTAL, ETC. AS A CLIMBING AID.
- Q. FOR SAFETY PURPOSES DEVICES WITH LEAD ACID BATTERIES SHALL NOT BE USED.
- R. DUE TO OPERATIONAL CONCERNS, SECONDARY POLES OR GUY STUB POLES ARE PREFERRED FOR ANTENNA ATTACHMENTS. PRIMARY POLES SHOULD ONLY BE CONSIDERED WHEN THERE IS NO OTHER SUITABLE POLE IN THE AREA.
- S. 60 WATT REMOTE RADIO HEAD (RRH) CAN BE SUBSTITUTED FOR THE 90 WATT RRH AS NEEDED.
- T. THE WEATHERHEAD WILL BE INSTALLED 4" ABOVE THE NEUTRAL.

POST-INSTALLATION INSPECTION

- A. A POST-INSTALLATION INSPECTION REPORT IS REQUIRED AND SHALL BE INCLUDED IN THE CONTRACTOR'S BID. A POST-INSTALLATION INSPECTION IS A VISUAL INSPECTION OF TOWER INSTALLATIONS AND A REVIEW OF CONSTRUCTION INSPECTIONS AND OTHER REPORTS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, NAMELY THE INSTALLATION DRAWINGS.
- B. THE POST-INSTALLATION INSPECTION REPORT SHALL BE COMPLETED BY A PROFESSIONAL ENGINEER LICENSED IN THE JURISDICTION IN WHICH THE PROJECT IS LOCATED.
- C. THE INTENT OF THE POST-INSTALLATION INSPECTION REPORT IS TO CONFIRM INSTALLATION AND CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE INSTALLATION DESIGN ITSELF.
- D. TO ENSURE THAT THE REQUIREMENTS OF THE POST-INSTALLATION INSPECTION REPORT ARE MET, IT IS VITAL THAT THE CONTRACTOR AND POST-INSTALLATION INSPECTOR BEGIN COMMUNICATING AND COORDINATING AS SOON AS A PO IS RECEIVED.



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OLD TOWN I - SMALL CELL
GIBBON STREET ROW ADJACENT TO 520 SOUTH LEE STREET
ALEXANDRIA, VIRGINIA 22314 (CITY OF ALEXANDRIA)

REVISIONS:

NO.	DESCRIPTION	DATE

PERMIT DWGS 01/22/20

DESIGNED BY: RJD

DRAWN BY: JCN

PROJECT NO: 10427.2840

DATE: 01/14/2019

SCALE: AS NOTED

TITLE:

General Notes

SHEET:

S-2



**Know what's below.
Call before you dig.**

PROTECT YOURSELF. GIVE THREE
WORKING DAYS NOTICE.
THIS DRAWING DOES NOT INCLUDE NECESSARY
COMPONENTS FOR CONSTRUCTION SAFETY. ALL
CONSTRUCTION MUST BE DONE IN COMPLIANCE
WITH THE OCCUPATIONAL SAFETY AND HEALTH
ACT OF 1970 AND ALL RULES AND REGULATIONS
THERE TO APPURTENANT.

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2. SECTION 16050 - BASIC ELECTRICAL MATERIALS & METHODS

- A. CONDUIT & BOXES:**
1. ALL CONDUIT BELOW GRADE SHALL BE SCHEDULE 40 FVG. ALL CONDUIT ABOVE GRADE SHALL BE NON-METALLIC ELECTRIC GRADE.
 2. JUNCTION AND PULL BOXES SHALL BE FURNISHED AND INSTALLED AS SHOWN OR WHERE REQUIRED TO FACILITATE PULLING OF WIRES OR CABLES. SUCH BOXES SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS. GASKETED COVER PLATES SHALL BE FURNISHED FOR OUTDOOR INSTALLATIONS.
 3. ALL BOXES, WHETHER OUTLET, JUNCTION, PULL, OR EQUIPMENT SHALL BE FURNISHED WITH APPROPRIATE COVERS.
 4. NO SECTIONALIZED BOXES SHALL BE USED.
 5. ALL EMT CONDUIT FITTINGS SHALL BE COMPRESSION TYPE.
 6. ALL FIELD CUTS OF GALVANIZED ITEMS SHALL BE BRUSHED WITH MARINE GRADE GALVANIZING.
 7. ALL METALLIC OBJECTS EXPOSED TO WEATHER SHALL BE GALVANIZED.
- B. WIRES & CABLE:**
1. BUILDING WIRE, UNLESS OTHERWISE INDICATED, SHALL BE 600 VOLT, TYPE THWN INSULATION FOR INTERIOR AND EXTERIOR USE. CONDUCTORS SHALL BE SOFT DRAWN COPPER OF NOT LESS THAN 98% CONDUCTIVITY. NO ROMEX OR AC (BX) CABLE WILL BE ALLOWED ON THE PROJECT.
 2. NO WIRE SMALLER THAN NO. TWELVE (12) AWG SHALL BE USED UNLESS OTHERWISE INDICATED. CONDUCTORS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET AND FROM TERMINAL BOARD TO POINT OF FINAL CONNECTION, AND NO SPLICE SHALL BE MADE EXCEPT WITHIN OUTLET OR JUNCTION BOXES. ALL CONDUCTORS SHALL BE OF THE SIZES AS INDICATED. ALL WIRES NO. EIGHT (8) AWG AND LARGER SHALL BE STRANDED. THE CONTRACTOR SHALL MAKE ALL WIRING CONNECTIONS OF ALL ELECTRICAL EQUIPMENT REQUIRING ELECTRICAL SERVICE. WIRES AND CABLES SHALL BE AS MANUFACTURED BY PIRELLI, RYAL AND TRIANGLE OR EQUIVALENT.
 3. ALL WIRING SHALL BE COLOR CODED. MATCH EXISTING SYSTEM COLOR CODING WHERE APPLICABLE.
- C. DISCONNECTS:**
1. FURNISH AND INSTALL SAFETY SWITCHES WHERE INDICATED AND AS REQUIRED FOR MOTOR OUTLETS OR OTHER EQUIPMENT. SWITCHES SHALL BE OF SIZE, NUMBER OF POLES AND FUSED OR NON-FUSED, AS REQUIRED FOR JOB CONDITIONS AND THE NATIONAL ELECTRICAL CODE.
- D. GROUNDING:**

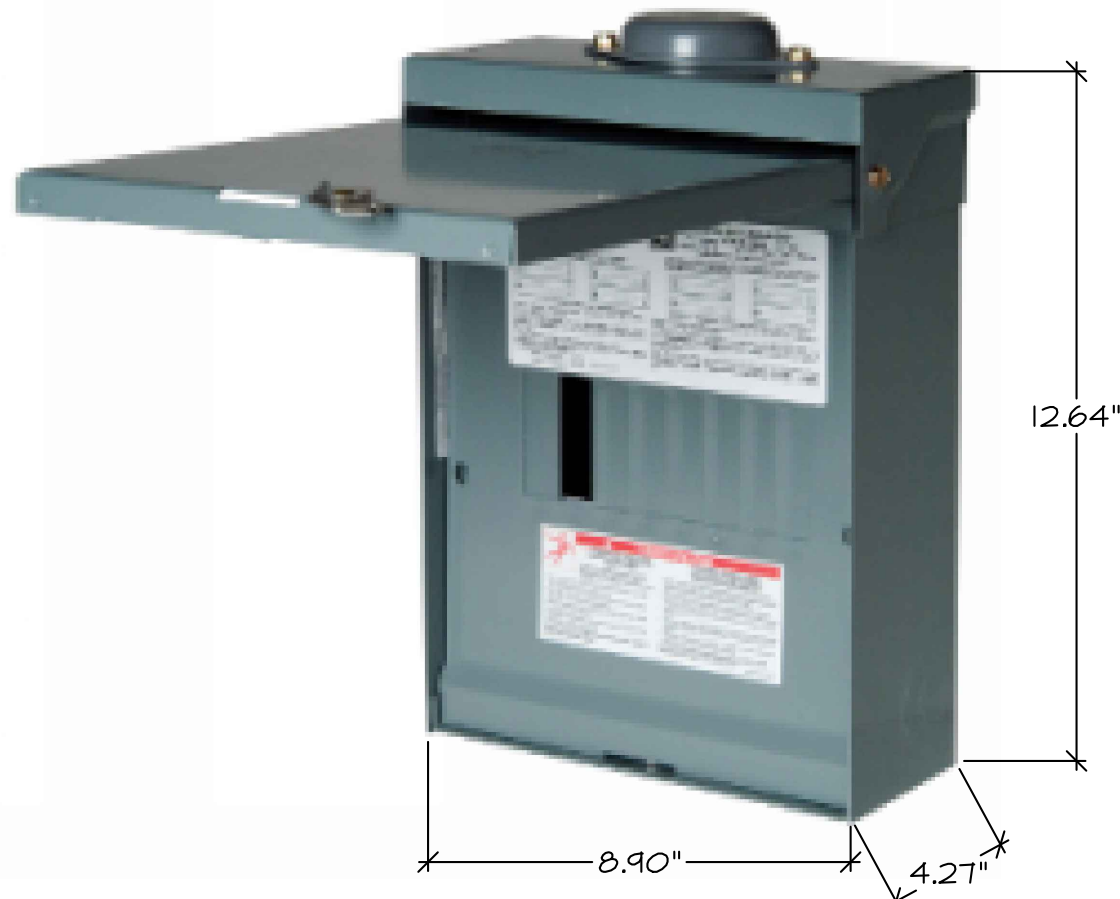
A. ELECTRICAL SERVICE:

1. ELECTRICAL POWER TO THE NEW EQUIPMENT SHALL BE EXTENDED FROM THE PROPOSED SERVICE ENTRANCE RATED LOWER EQUIPMENT PANEL MOUNTED ON NEW POLE. LABEL METER WITH PHENOLIC NAMEPLATE READING "VERIZON WIRELESS". LABEL PANEL WITH PHENOLIC NAMEPLATE READING "VERIZON WIRELESS SERVICE DISCONNECT".

B. COMMUNICATIONS SERVICE:

1. TELEPHONE SERVICE SHALL BE EXTENDED BY THE TELEPHONE COMPANY. PROVIDE SERVICE ENTRIES BASED ON SERVICE SCHEDULE AND OTHER EQUIPMENT SHOWN ON THE DRAWINGS FOR USE BY THE TELEPHONE COMPANY. ALL CHARGES BY THE UTILITY COMPANY SHALL BE PAID BY THE OWNER.
2. ALL ELBOWS IN CONDUIT RUNS SHALL BE WIDE SWEEP FIELD BENDS. INSTALL PULL BOXES AS REQUIRED AND WHERE DIRECTED BY THE TELEPHONE COMPANY AND/OR AS REQUIRED BY THE NATIONAL ELECTRICAL CODE.

NOTE: ALL MOUNTING HEIGHTS ARE TO CENTER LINE OF THE OUTLET BOX UNLESS OTHERWISE INDICATED.



DETAIL - SQUARE-D QO816L1OORB
NOT TO SCALE (OR APPROVED EQUAL)

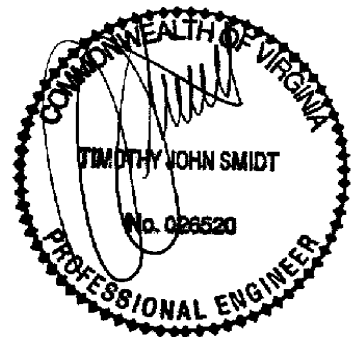


PROPOSED)		(NEMA 3R)							
PANEL "VERIZON WIRELESS"									
120/240 VOLTS 1Ø 3 WIRE 100 AMP MAIN L.O.									
WYE	1	2	3	4	5	6	7	8	
Ø V X Y Z	40	15	15	15	15	15	-	-	-
DESCRIPTION	MAIN	NOKIA RADIO UNIT #1			NOKIA RADIO UNIT #2			NOKIA RADIO UNIT #3	
		ASOD# 1			ASOD# 2			ASOD# 3	
		SPACE			SPACE			SPACE	
		SPACE			SPACE			SPACE	
		SPACE			SPACE			SPACE	
POWER LOAD: 2.7 KVA x 125% = 3.37 KVA = 14.07 AMPS @ 120/240V, 1Ø, 3W									

- * PANEL SHALL BE LOCKABLE WITH PADLOCK.
- ** PANEL SHALL BE SERVICE ENTRANCE RATED.
- *** PANELBOARD SHALL BE EQUIPPED WITH A TYPEWRITTEN DIRECTORY, INDICATING PLAINLY WHAT EACH CIRCUIT OF THE PANEL CONTROLS. THIS SCHEDULE SHALL BE PLACED ON FRONT COVER OF PANEL.
- **** CONTRACTOR SHALL PROVIDE AND INSTALL 15AMP TANDEM BREAKERS IN SPACE #3, #4 AND #5 AS SHOWN.

1. AN ANTENNA GROUND WIRE AND GROUNDING ELECTRODE IS REQUIRED. THIS GROUND SHALL BE BONDED TO THE COMPANY GROUND WIRE.
- II. VERIZON TO LEAVE MINIMUM 3' LEADS COILED AND SECURED TO PREVENT ACCIDENTAL CONTACT WITH SECONDARY CONDUCTORS.
12. SERVICE WILL BE CONNECTED BY VERIZON IN COMPLIANCE WITH FILED RATE PLAN.
13. LINE ARRESTER INSTALLATIONS ARE REQUIRED ON POLES WITH PRIMARY CONDUCTORS.
14. VERIZON'S GROUND MAY NOT BE USED TO SATISFY NEC REQUIREMENTS FOR THE EQUIPMENT BRACKET AC SERVICE GROUND. THE EQUIPMENT AND ITS AC SERVICE GROUND ARE REQUIRED TO BE BONDED TO THE COMPANY GROUND CONDUCTOR ON THE POLE AT LEAST 6" ABOVE GROUND LEVEL USING A No. 6 CU CONDUCTOR. CONNECTION TO THE COMPANY'S GROUND ROD OR CONNECTOR IS NOT APPROVED.
15. BONDS SHALL BE MADE BETWEEN THE GROUND WIRE AND THE EQUIPMENT CABINET (NOT NEUTRAL BUS) OF THE POWER SUPPLY/SWITCH. THESE CONNECTIONS ARE TO AVOID FODDER FROM PIERCING BETWEEN DEVICES ON THE POLES. BOND TO THE POWER SUPPLY/SWITCH SHALL BE EXTERNAL AND VISIBLE FROM THE GROUND. WHEN A COMPANY DRIVEN GROUND EXISTS ON THE POLE, THE EQUIPMENT CASE BONDING WIRE NEED EXTEND ONLY FROM THE SWITCH TO THE COMPANY GROUND WIRE.
16. THE METER BASE, EQUIPMENT BRACKET, AND DISCONNECT SHOULD BE MOUNTED PROVIDING EIGHT FEET MINIMUM GROUND CLEARANCE. THEY MAY BE MOUNTED AT OPERATIONAL HEIGHT THAT:
 - A. THE EQUIPMENT BRACKET DOES NOT OBSTRUCT A WALKWAY OR IS SUBJECT TO VEHICULAR TRAFFIC.
 - B. THE EQUIPMENT BRACKET CAN NOT BE USED ALONE OR IN CONJUNCTION WITH A FENCE, PEDESTAL, ETC. AS A CLIMBING AID.
17. FOR SAFETY PURPOSES DEVICES WITH LEAD ACID BATTERIES SHALL NOT BE USED.
18. DUE TO OPERATIONAL CONCERNS, SECONDARY POLES OR GUT STUB POLES ARE PREFERRED FOR ANTENNA ATTACHMENTS. PRIMARY POLES SHOULD ONLY BE CONSIDERED WHEN THERE IS NO OTHER SUITABLE POLE IN THE AREA.
19. ONE RADIO CABINET, A SERVICE DISCONNECT AND THE METER BASE MAY BE POLE MOUNTED. ADDITIONAL EQUIPMENT, OR LARGE CABINETS SHALL BE PAD MOUNTED. PAD MOUNTED EQUIPMENT MUST BE LOCATED A MINIMUM OF 10' FROM THE BASE OF THE POLE.

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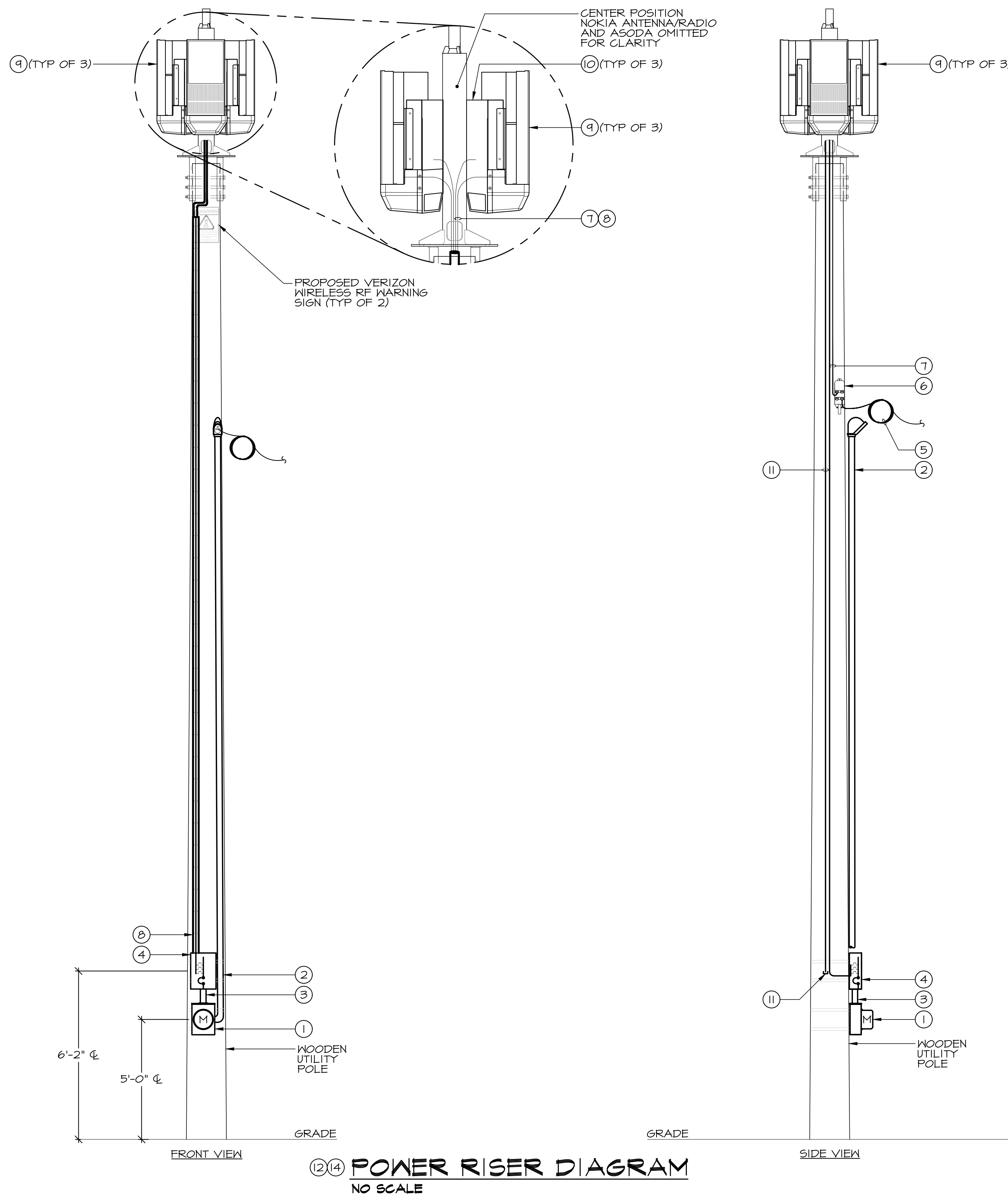
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OLD TOWN | - SMALL CELL
GIBBON STREET ROW ADJACENT TO 520 SOUTH LEE STREET, ALEXANDRIA
CITY OF ALEXANDRIA, VIRGINIA 22314

REVISIONS:		
NO.	DESCRIPTION	DATE
PERMIT DWGS.		1/22/20

LAST REV.:
PROJECT NO:19154A
DATE: JANUARY 22, 2020
SCALE: AS NOTED
TITLE:
SPECIFICATIONS, SYMBOLS LIST, PANEL SCHEDULE AND DETAILS

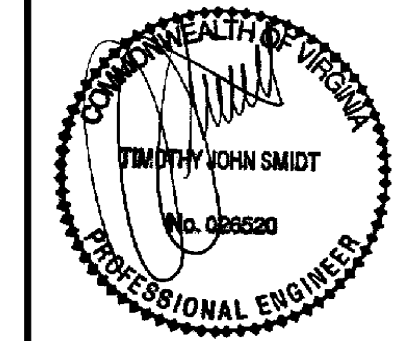
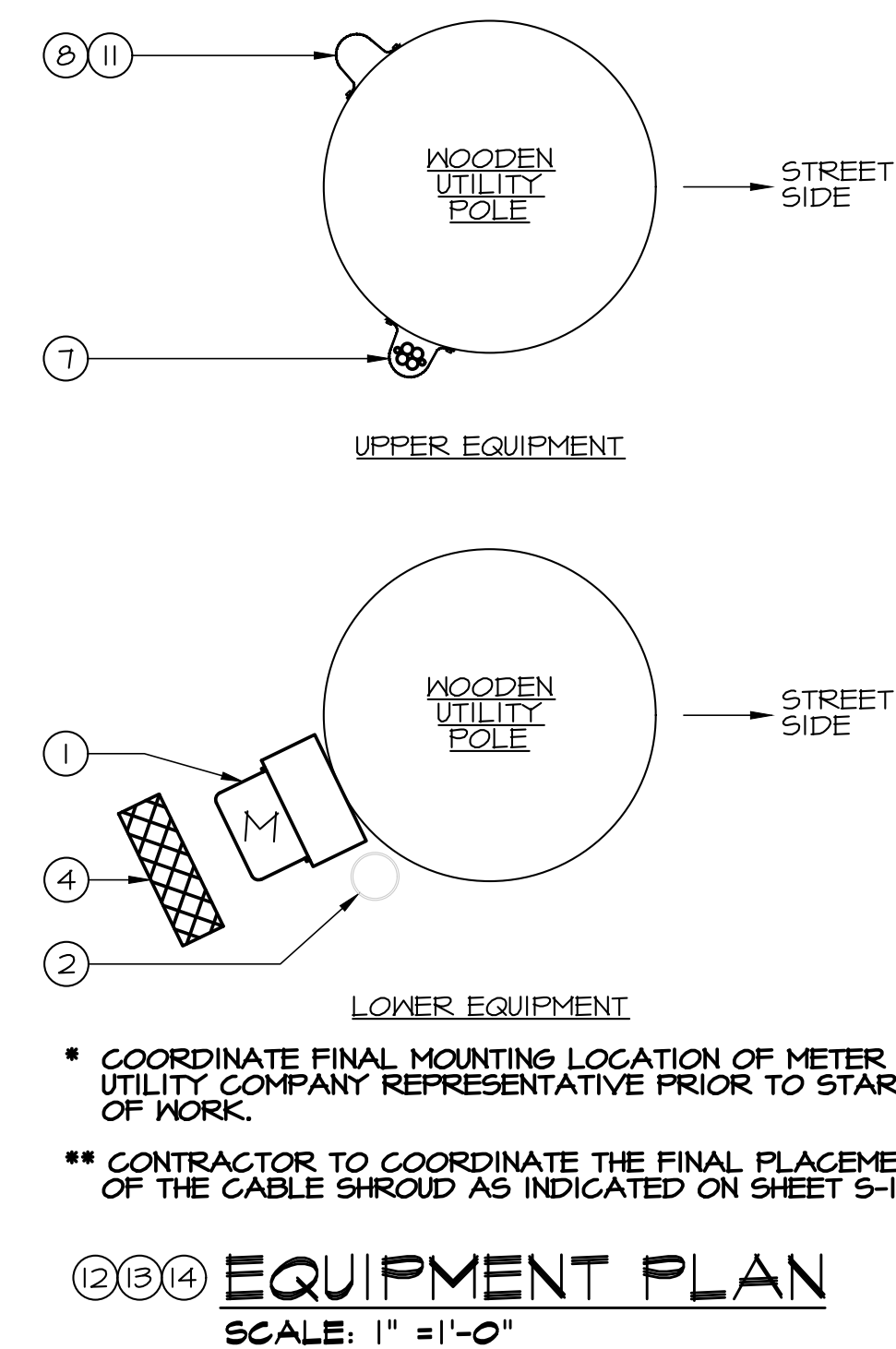
SHEET: III - I

EQUIPMENT SCHEDULE					
MANUFACTURER	PART #	COMPONENT TYPE	QUANTITY	DIMENSIONS (HxWxD)	WEIGHT
NOKIA	AIRSCALE AEUB 4 ASODA RRH	ANTENNA/ REMOTE RADIO HEAD	3	23.62"x11.97"x8.11"	68.2 LBS.
SQUARE-D	Q0816L10ORB	LOAD CENTER PANEL	1	12.64"x8.90"x4.27"	9.68 LBS.
MILBANK MFG. CO.	U7487-O	ELECTRIC METER	1	11.5"x8.0"x3.3"	3.98 LBS.
		CONDUIT CABLING	3±	VARIABLE	20.0 LBS.
				TOTAL WEIGHT:	101.86 LBS.
				TOTAL VOLUME:	4.45 CU.FT.



DRAWING NOTES

- (1) PROPOSED UTILITY COMPANY METER CAN MOUNTED ON UTILITY POLE, NEW METER GLOBE PROVIDED AND INSTALLED BY UTILITY COMPANY, PROVIDE PHENOLIC NAMEPLATE READING "VERIZON WIRELESS".
- (2) EXTEND 3#10 AWG + #6 GRD IN ONE (1) - 2" PVC CONDUIT VERTICALLY UP UTILITY POLE FROM LINE SIDE OF METER CAN FOR EXTENSION OF OVERHEAD ELECTRIC SERVICE CABLES. COORDINATE FINAL CONDUIT TERMINATION POINT WITH UTILITY REPRESENTATIVE IN THE FIELD. PROVIDE WEATHER HEAD AT TOP END OF CONDUIT. CONTRACTOR SHALL TRANSITION TO FLEX RIGID FINAL CONNECTION TO METER CAN. ELECTRICIAN SHALL ALLOW 3'-0" SLACK AT WEATHERHEAD AND METER FOR FINAL TERMINATIONS BY UTILITY COMPANY.
- (3) EXTEND 3#6 AWG + #8 GRD - 1" CONDUIT FROM METER UP TO PANEL.
- (4) PROVIDE AND INSTALL WEATHERPROOF SERVICE ENTRANCE RATED 120/240 VOLT, 1Ø, 3W, 100 AMP M.L.O. EIGHT (8) POSITION GO LOAD CENTER PANEL (MODEL #Q0816L10ORB) WITH FIELD INSTALLED 2P40A MAIN CIRCUIT BREAKER MOUNTED ABOVE METER CAN ON UTILITY POLE. PROVIDE PHENOLIC NAMEPLATE READING, "VERIZON WIRELESS SERVICE DISCONNECT". REFER TO PANEL SCHEDULE, SHEET E-1 FOR ADDITIONAL INFORMATION.
- (5) PROPOSED ROUTE OF INCOMING OVERHEAD FIBER CABLE BY UTILITY COMPANY. EXCESS FIBER SHALL BE COILED AND SECURED TO UTILITY POLE ABOVE ALL EQUIPMENT. COORDINATE FINAL INCOMING FIBER ROUTE WITH UTILITY COMPANY.
- (6) UTILITY COMPANY PROVIDED AND INSTALLED OPTISHEATH MULTIPORT TERMINAL MOUNTED ON UTILITY POLE. EXACT MOUNTING LOCATION SHALL BE COORDINATED WITH VERIZON TELEPHONE IN FIELD.
- (7) EXTEND SIX (6) PAIR FIBER FROM PROPOSED OMNI-TAP TO SERVE ASDA RADIO UNITS MOUNTED ON UTILITY POLE.
- (8) EXTEND DAMP LOCATION RATED MC CABLE (4#12 AWG + #12 GRD) FROM EACH 15 AMP TANDEM BREAKER (TYP OF 3) VERTICALLY UP EXTERIOR OF UTILITY POLE IN RISER GUARD TO EACH NOKIA ANTENNA/ASDA UNIT MOUNTED ON UTILITY POLE (TYP OF 3). REFER TO PANEL SCHEDULE, SHEET E-1, FOR ADDITIONAL INFORMATION.
- (9) VERIZON WIRELESS PROVIDED, CONTRACTOR INSTALLED NOKIA ANTENNA/RADIO UNIT MOUNTED ON UTILITY POLE.
- (10) VERIZON WIRELESS PROVIDED AND CONTRACTOR INSTALLED NOKIA AIRSCALE CORE OUTDOOR 175W ASDA REMOTE RADIO HEAD MOUNTED BEHIND NOKIA ANTENNAS (TYP OF 3). REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL MOUNTING INFORMATION.
- (11) EXTEND ONE (1) WEATHERPROOF RATED CAT 5E CABLE FROM EACH ASDA AND COIL UP AT BASE OF LOAD CENTER. PROVIDE AND INSTALL RJ45 PLUG KIT WITH CAP TO KEEP CONNECTION WEATHERPROOF.
- (12) CONTRACTOR MUST REFER TO THE LATEST EDITION OF VERIZON WIRELESS FIBER DESIGN STANDARDS FOR FIBER QUANTITIES/ INTERCONNECTS.
- (13) REFER TO DRAWING PREPARED BY MRA FOR SITE PLAN.
- (14) VERIZON CONTRACTOR SHALL COORDINATE FINAL AVAILABLE SERVICE CHARACTERISTICS (VOLTAGE, PHASE, ETC.) WITH UTILITY COMPANY PRIOR TO START OF WORK. PREFERRED VOLTAGE 15: 120/240V, 1Ø, ACCEPTABLE VOLTAGE 15: 120/208V, 1Ø.

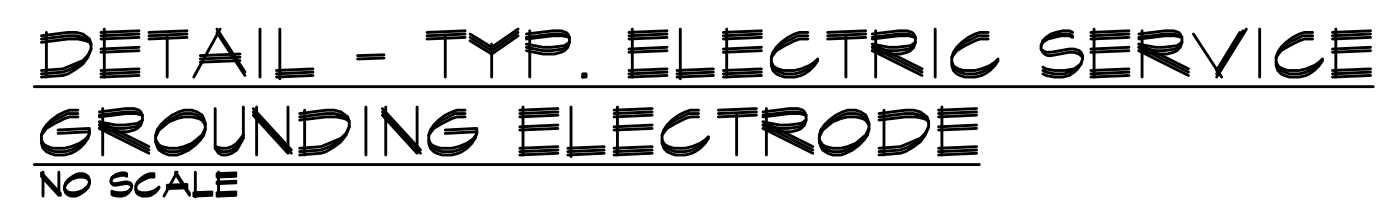


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REVISIONS:		
NO.	DESCRIPTION	DATE
	PERMIT DWGS.	1/22/20

LAST REV.:
PROJECT NO: 19154A
DATE: JANUARY 22, 2020
SCALE: AS NOTED
TITLE:
POWER RISER DIAGRAM, EQUIPMENT PLAN AND NOTES

SHEET:
E-2

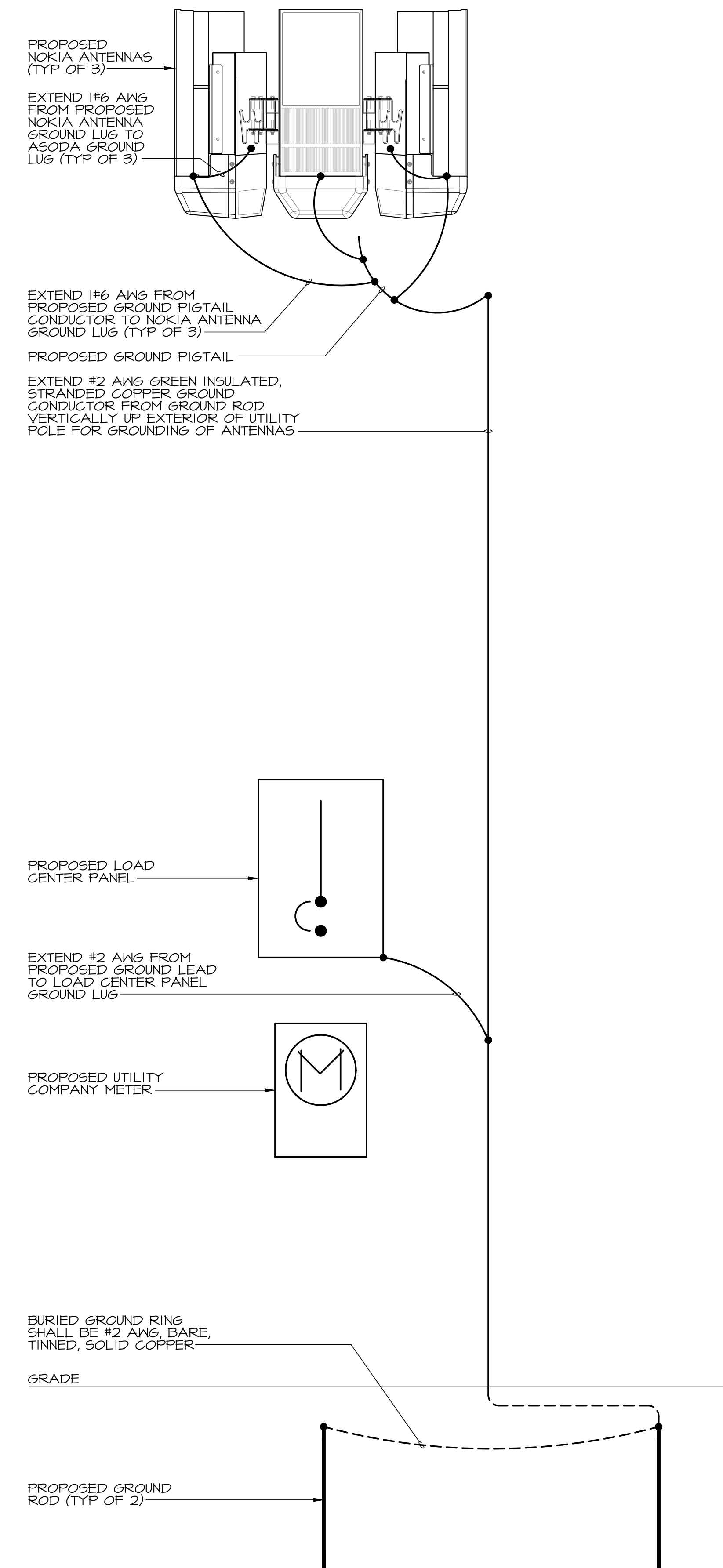
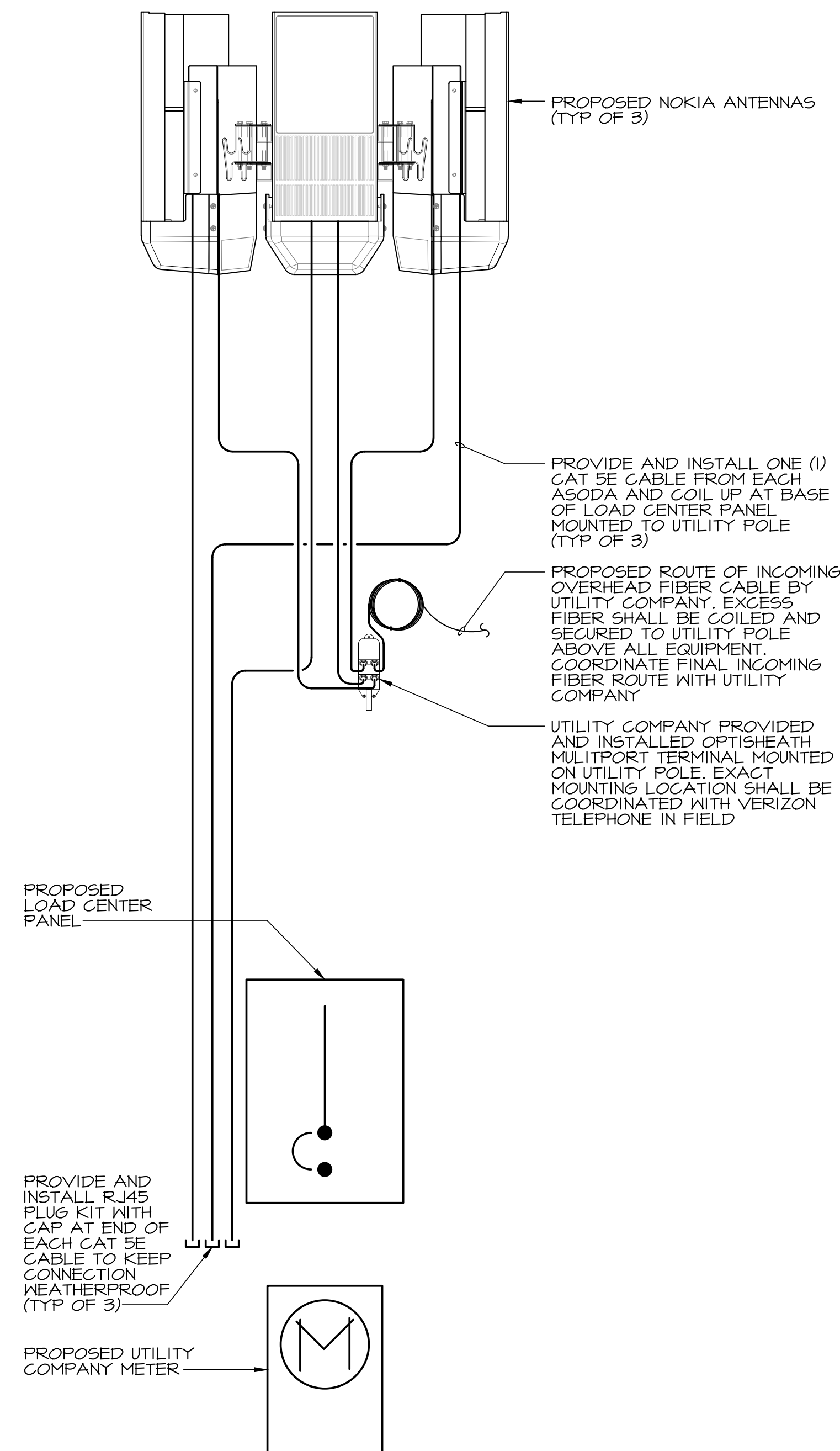
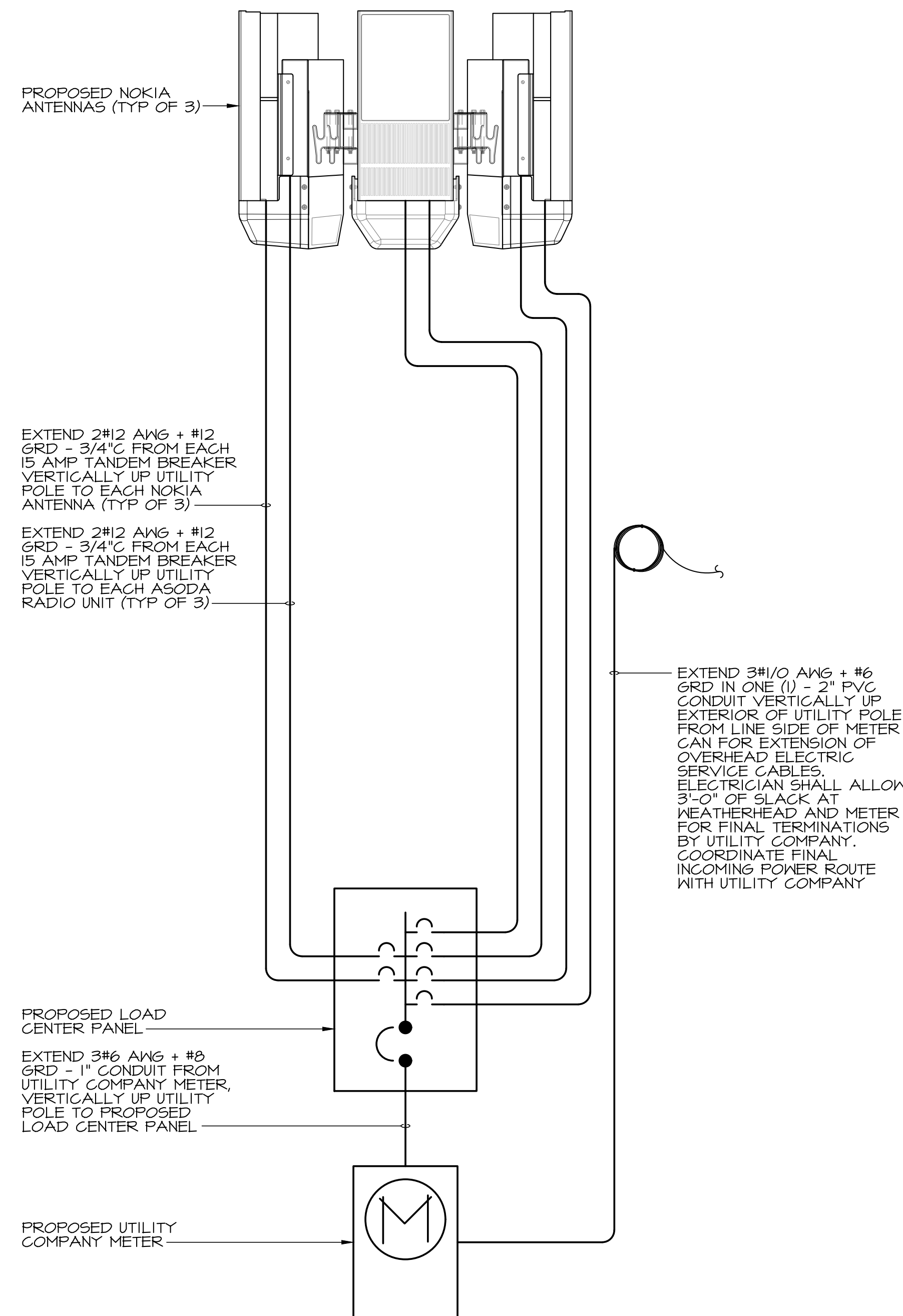


- ① PROVIDE 8'-0" (MINIMUM) X 5/8" COPPER GLAD STEEL GROUND ROD.
- ② EXTEND #2 AWG, GREEN INSULATED, STRANDED COPPER GROUND CONDUCTOR FROM BURIED GROUND ROD VERTICALLY UP UTILITY POLE FOR GROUNDING OF EQUIPMENT/ANTENNAS. GROUND CONDUCTOR SHALL BE HOUSED WITHIN 1/2" GROUND WIRE MOLDING THEN TRANSITION AT ELEVATION OF HEAVY WALL, SCHEDULE 40 FV MOLDING (POLE RISER), SECURE GROUND WIRE MOLDING TO UTILITY POLE VIA GALVANIZED 2"x5/8" LAG BOLTS. SECURE POLE RISER TO UTILITY POLE VIA GALVANIZED LAG BOLTS, REFER TO STRUCTURAL FOR DETAILS.
- ③ EXTEND #2 AWG, GREEN INSULATED, STRANDED COPPER GROUND CONDUCTOR FROM ENCLOSURE OF PROPOSED LOAD CENTER PANEL AND BOND TO GROUND CONDUCTOR EXTENDING TO BURIED GROUND ROD, REFER TO SERVICE GROUNDING DETAIL, THIS SHEET.
- ④ BURIED GROUND RING SHALL BE #2 AWG, BARE, TINNED, SOLID COPPER.
- ⑤ EXTEND #16 AWG, GREEN INSULATED, STRANDED COPPER GROUND CONDUCTOR FROM EACH NOD, ANTENNA/RADIO UNITS, AND BOND TO GROUNDING PIGTAIL CONDUCTOR, EXTEND GROUND PIGTAIL AND BOND TO GROUND CONDUCTOR EXTENDING DOWN LIGHT POLE TO BURIED GROUND ROD, REFER TO DIRECTIONAL SPLICED DETAIL, THIS SHEET.

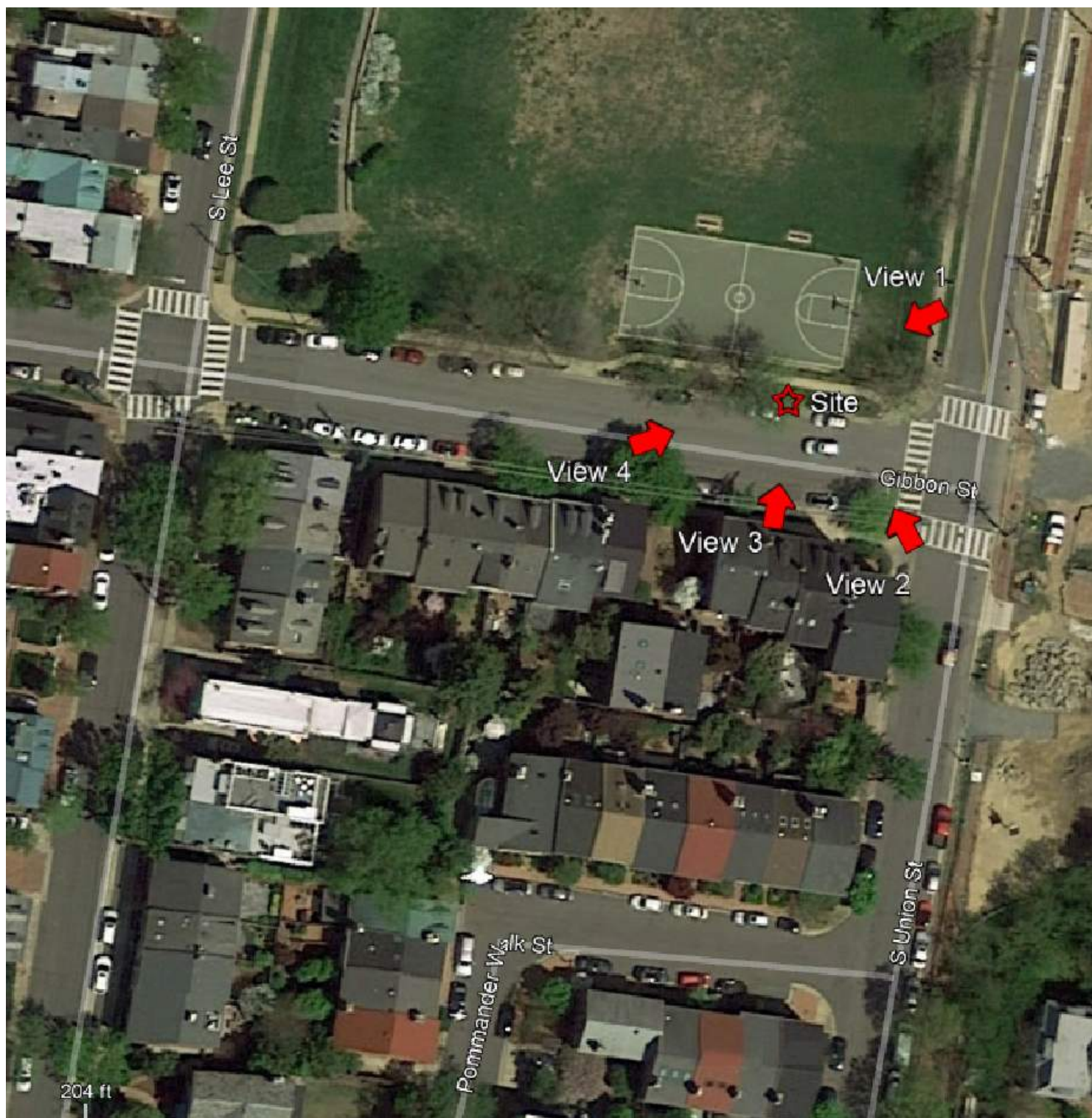
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SHEET:

III-3



REVISIONS:		
NO.	DESCRIPTION	DATE
	PERMIT DWGS.	1/22/20



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Old Town 1 Overall Site Layout

28 January 2020





EXISTING WOODEN UTILITY
POLE TO BE REPLACED

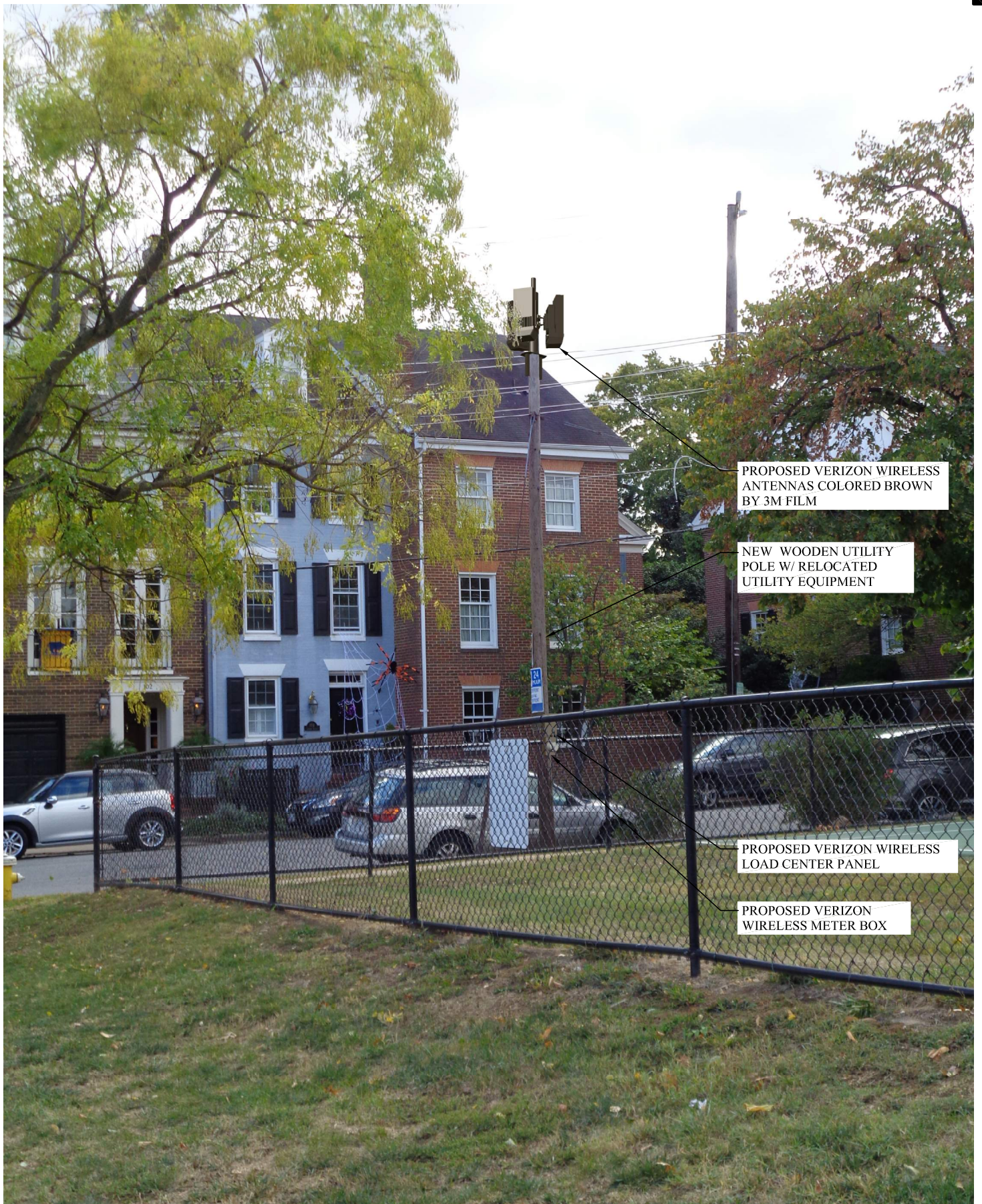


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Old Town 1
Existing View 1

28 January 2020





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Old Town 1 Proposed View 1

28 January 2020





EXISTING WOODEN UTILITY
POLE TO BE REPLACED

10/15/2019

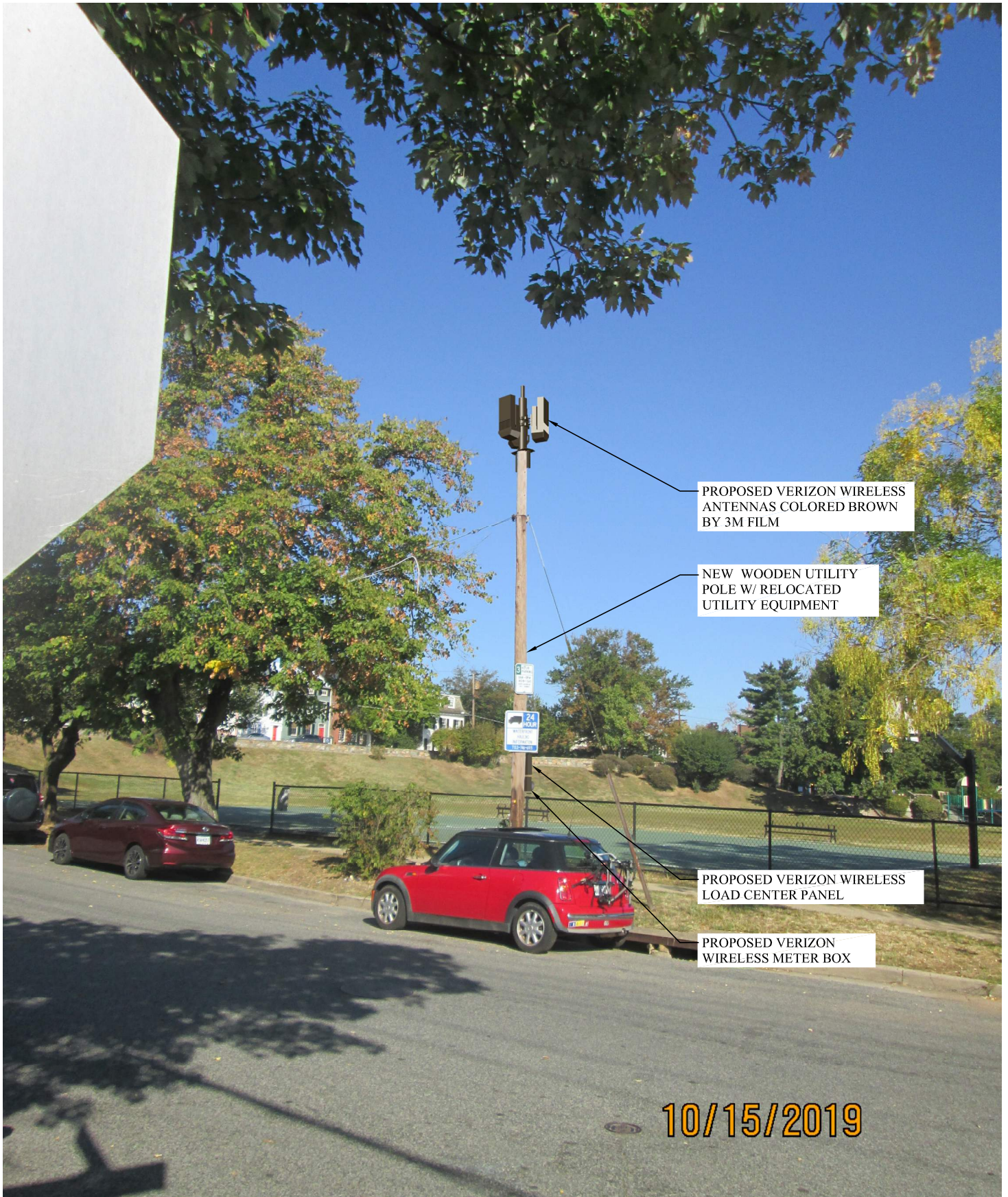


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Old Town 1
Existing View 2

28 January 2020





PROPOSED VERIZON WIRELESS
ANTENNAS COLORED BROWN
BY 3M FILM

NEW WOODEN UTILITY
POLE W/ RELOCATED
UTILITY EQUIPMENT

PROPOSED VERIZON WIRELESS
LOAD CENTER PANEL

PROPOSED VERIZON
WIRELESS METER BOX

10/15/2019



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Old Town 1
Proposed View 2

28 January 2020





**MORRIS & RITCHIE
ASSOCIATES, INC.**
1220-C East Joppa Road, Suite 505
Towson, Maryland 21286
410-821-1690
410-821-1748 Fax

Old Town 1
Existing View 3

28 January 2020





PROPOSED VERIZON WIRELESS
ANTENNAS COLORED BROWN
BY 3M FILM

NEW WOODEN UTILITY
POLE W/ RELOCATED
UTILITY EQUIPMENT

PROPOSED VERIZON WIRELESS
LOAD CENTER PANEL

PROPOSED VERIZON
WIRELESS METER BOX

10/15/2019



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Old Town 1
Proposed View 3

28 January 2020





EXISTING WOODEN UTILITY
POLE TO BE REPLACED

10/15/2019



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Existing View 4

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