

Young / Sommer LLC

ATTORNEYS AT LAW

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August 31, 2023

Via Federal Express

Barbara Roberti, Zoning Administrator
Town of Wappinger
20 Middlebush Rd
Wappinger Falls, New York 12590-0324

RE: Verizon Wireless "Kent Road" Communications Facility
ROW adjacent to 2 Baldwin Drive

Dear Ms. Roberti:

In response to comments from the Planning Board, the site plans have been revised to include a line of site plan (Sheet LOS-1).

Enclosed please find eighteen (18) copies of Verizon Wireless' revised site plans.

We look forward to discussing this with the Planning Board at the continued public hearing on September 6, 2023.

Very truly yours,
YOUNG SOMMER, LLC

By: 
Scott Olson

Enclosure

ELECTRICAL NOTES

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE LOCAL CODES.
- ALL ELECTRICAL EQUIPMENT AND ACCESSORIES SHALL BE U.L. APPROVED OR LISTED.
- CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED.
- WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
- ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
- EACH END OF EVERY POWER, POWER PHASE CONDUCTOR (I.E., HOTS), GROUNDING, AND T1 CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2 INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC & OSHA.
- ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, POWER OR AMPACITY RATING, AND BRANCH CIRCUIT ID NUMBERS (I.E., PANELBOARD AND CIRCUIT ID'S).
- PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED.
- POWER, CONTROL, AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (#14 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, STRANDED COPPER CABLE RATED FOR 90°C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
- SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (#6 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2 GREEN INSULATION, STRANDED COPPER CABLE RATED FOR 90°C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
- POWER AND CONTROL WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR, TYPE USE-2 CABLE (#14 AWG OR LARGER), 600 V, OIL RESISTANT RHW-2 OR XHHW-2, STRANDED COPPER CABLE RATED FOR 90°C (WET AND DRY) OPERATION; WITH OUTER JACKET; LISTED OR LABELED FOR THE LOCATION USED, UNLESS OTHERWISE SPECIFIED.
- ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 90°C.
- ELECTRICAL METALLIC TUBING (EMT) OR RIGID METALLIC CONDUIT (RMC) SHALL BE USED FOR EXPOSED OR CONCEALED LOCATIONS.
- ALL OUTDOOR EXPOSED CONDUIT SHALL BE PVC SCHEDULE 80 AND SHALL BE SUPPORTED ADEQUATELY.
- LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED. LFMC SHALL CONFORM TO NEC ARTICLE 350.
- CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
- CABINETS, BOXES, AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
- EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL, SHALL MEET OR EXCEED UL 50, AND RATED NEMA 3R (OR BETTER) OUTDOORS.
- IF REQUIRED, CONTRACTOR SHALL APPLY FOR ELECTRICAL SERVICE AS SOON AS POSSIBLE AND COORDINATE REQUIREMENTS, SERVICE ROUTING, AND METER SOCKET TYPE WITH LOCAL POWER COMPANY.
- CONTRACTOR SHALL OBTAIN ALL PERMITS, PAY PERMIT FEES, AND SCHEDULE INSPECTIONS.
- CONTRACTOR SHALL LABEL ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NEC 110.16 AND 110.24.
- CONTRACTOR SHALL VERIFY THAT THE MAIN BONDING JUMPER AND GROUNDING ELECTRODE CONDUCTOR IS INSTALLED PROPERLY AT SERVICE ENTRANCE.
- WHERE ELECTRICAL POWER IS TO BE SUB-FED FROM AN EXISTING DISTRIBUTION SYSTEM, THE FOLLOWING SHALL APPLY:
 - CONTRACTOR SHALL PERFORM LOAD TESTING TO DETERMINE MAXIMUM FEEDER DEMAND PER N.E.C. ARTICLE 220.
 - CONTRACTOR SHALL VERIFY WHETHER EXISTING FEEDER CAPACITY EXCEEDS VALUE CALCULATED PER N.E.C. ARTICLE 220.
 - EACH BRANCH CIRCUIT PROTECTIVE DEVICE SHALL HAVE SAME INTERRUPTING RATING AS EQUIPMENT SUPPLYING IT.
 - PREFERRED MEANS OF SUPPLY SHALL BE A BRANCH CIRCUIT PROTECTIVE DEVICE LOCATED IN EXISTING PANEL.

ANTENNA MOUNTING NOTES

- DESIGN AND CONSTRUCTION OF ANTENNA SUPPORTS SHALL CONFORM TO ANSI/TIA-222-H-2017 "STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES, ANTENNAS AND SMALL WIND TURBINE SUPPORT STRUCTURES". THE BUILDING CODE OF NEW YORK STATE, AND ALL OTHER APPLICABLE LOCAL, STATE, AND FEDERAL CODES.
- ALL STEEL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS", UNLESS OTHERWISE NOTED.
- ALL BOLTS, ANCHORS AND MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 "ZINC-COATING (HOT-DIP) ON IRON AND STEEL HARDWARE", UNLESS OTHERWISE NOTED.
- DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED BY COLD GALVANIZING IN ACCORDANCE WITH ASTM A780 "REPAIR OF DAMAGED AND UNCOATED AREAS OF HOT-DIP GALVANIZED COATINGS", USING COLD GALVANIZING COMPOUND AS MANUFACTURED BY ZINGA-USA OR ZINC KOTE, OR ENGINEER APPROVED EQUAL WITH A MINIMUM METALLIC ZINC CONTENT OF 95% BY WEIGHT IN DRY FILM. DRY FINISHED COATING THICKNESS SHALL BE 3 MILS MINIMUM.
- ALL ANTENNA MOUNTS SHALL BE INSTALLED WITH DOUBLE NUTS AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- DESIGN OF THE ANTENNA MOUNTING BRACKETS, SUPPORTS, AND ALL COMPONENTS THEREOF AND ATTACHMENT THERETO SHALL BE THE RESPONSIBILITY OF THE MANUFACTURER. MANUFACTURER SHALL PROVIDE THE OWNER DRAWINGS DETAILING ALL COMPONENTS OF THE ASSEMBLY, INCLUDING CONNECTIONS, DESIGN LOADS, AND ALL OTHER PERTINENT DATA. MANUFACTURER SHALL ALSO PROVIDE THE OWNER WITH A STATEMENT OF COMPLIANCE, INDICATING THAT THE ANTENNA SUPPORTS HAVE BEEN DESIGNED IN ACCORDANCE WITH ANSI/TIA-222-H STANDARDS. ALL SUBMISSIONS SHALL BEAR THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.

STRUCTURAL NOTE

- THE VERIFICATION OF STRUCTURAL ADEQUACY AND DESIGN OF THE ATTACHMENTS MUST BE PERFORMED, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.
- REFER TO STRUCTURAL ANALYSIS REPORT PREPARED BY TECTONIC ENGINEERING CONSULTANTS, GEOLOGISTS & LAND SURVEYORS, D.P.C DATED 04/14/23.

GROUNDING NOTES

GROUND TESTING AFTER CONSTRUCTION:

- AFTER COMPLETION OF CONSTRUCTION OF THE CELL SITE GROUND SYSTEM, A POST INSTALLATION CLAMP-ON RESISTANCE TEST WILL BE PERFORMED BY THE CONTRACTOR AS REQUIRED BY NEC AND PROVIDED TO VERIZON WIRELESS. A SINGLE ROD, PIPE, OR PLATE ELECTRODE SHALL BE SUPPLEMENTED BY AN ADDITIONAL ELECTRODE OF A TYPE SPECIFIED IN 250.53(A)(2) THROUGH (A)(8). THE SUPPLEMENTAL ELECTRODE SHALL BE PERMITTED TO BE BONDED TO ONE OF THE FOLLOWING:
 - ROD, PIPE OR PLATE ELECTRODE
 - GROUNDING ELECTRODE CONDUCTORIF A SINGLE ROD, PIPE, OR PLATE GROUNDING ELECTRODE HAS A RESISTANCE TO EARTH OF 25 OHMS OR LESS, THE SUPPLEMENTAL ELECTRODE SHALL NOT BE REQUIRED. GROUNDING TEST SHALL BE TAKEN BEFORE A/C POWER, NEUTRAL/GROUND BOND IS CONNECTED.
- USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED. ALL BENDS SHALL BE MADE WITH 12" RADIUS OR LARGER.
- APPROVED ANTIOXIDANT COATINGS (I.E. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS. ANTI-OXIDATION CONDUCTIVE COMPOUNDS ARE REQUIRED ON ALL GROUND CONNECTIONS. NO OX-ID (COSMOLINE GREASE BASED COMPOUND) SHALL BE USED FOR COPPER TO COPPER CONNECTIONS. ZINC BASED COMPOUND (GREY COLORED) OR APPROVED EQUAL SHALL BE USED FOR COPPER TO STEEL CONNECTIONS.
- ALL LUG CONNECTIONS & THEIR MATING SURFACES SHALL BE CLEANED AND COATED WITH THE APPROPRIATE ANTI-OXIDIZING CONDUCTIVE COMPOUND. IF A LUG CONNECTION IS TO BE SECURED DIRECTLY TO A PAINTED SURFACE, THE PAINT SHALL BE REMOVED TO REVEAL BARE METAL AROUND THE AREA OF THE CONNECTION AND COATED WITH AN APPROPRIATE ANTI-OXIDATION CONDUCTIVE COMPOUNDS.
- THE POST INSTALLATION GROUND RESISTANCE TEST REPORT AND THE THIRD PARTY ELECTRICAL INSPECTION CERTIFICATION SHALL BE PROVIDED TO THE CITY OF SCHENECTADY ELECTRICAL INSPECTOR.
- SURGE PROTECTORS ARE NOT APPLICABLE TO THIS DESIGN.

GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NEW YORK STATE BUILDING CODE, AND ALL OTHER APPLICABLE CODES AND ORDINANCES.
- CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND MAKE PROVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
- PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS OTHERWISE NOTED. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO EFFECT ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- DIMENSIONS SHOWN ARE TO FINISH SURFACES, UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS. SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS AND/OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE CARRIER'S AUTHORIZED REPRESENTATIVE OR THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
- DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
- CONTRACTOR SHALL RECEIVE CLARIFICATION IN WRITING, AND SHALL RECEIVE IN WRITING AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ALL PRODUCTS OR ITEMS NOTED AS "EXISTING" WHICH ARE NOT FOUND TO BE IN THE FIELD.
- CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING THE BEST CONSTRUCTION SKILLS AND ATTENTION. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER CONTRACT, UNLESS OTHERWISE NOTED.
- ERECTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMEN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST ACCEPTED PRACTICE. ALL MEMBERS SHALL BE LAID PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, AND ADJACENT AREAS, THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS.
- CONTRACTOR SHALL COORDINATE HIS WORK AND SCHEDULE HIS ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS OF THE OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO RADIO EQUIPMENT, ANTENNAS AND ANY OTHER PORTIONS OF THE WORK.
- CONTRACTOR SHALL MAINTAIN LIABILITY INSURANCE TO PROTECT THE OWNER AND CARRIER.
- INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SURFACES, EQUIPMENT, IMPROVEMENTS, PIPING, ANTENNA AND ANTENNA CABLES. REPAIR ANY DAMAGE THAT OCCURS DURING CONSTRUCTION.
- REPAIR ALL EXISTING SURFACES DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND WITH ADJACENT SURFACES.
- KEEP CONTRACT AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DEBRIS AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND ERECTION OF ANY MATERIAL. ANY UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ATTENTION OF THE ENGINEER.
- CONTRACTOR SHALL SECURE ALL NECESSARY BUILDING PERMITS AND INSPECTIONS AND PAY ALL REQUIRED FEES.
- PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A/10-BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDOUT AREA DURING CONSTRUCTION.
- ALL BROCHURES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS AND OTHER DOCUMENTATION SHALL BE TURNED OVER TO CARRIER AT COMPLETION OF CONSTRUCTION.
- COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF ACCEPTANCE BY CARRIER. ANY WORK, MATERIALS, OR EQUIPMENT FOUND TO BE DEFECTIVE DURING THAT PERIOD SHALL BE CORRECTED IMMEDIATELY UPON WRITTEN NOTIFICATION AT NO ADDITIONAL COST TO CARRIER.
- RIGGING OPERATIONS SHALL BE DONE IN ACCORDANCE WITH STATE AND FEDERAL SAFETY REGULATIONS (OSHA). ENGINEER, CARRIER AND THE OWNER SHALL BE HELD HARMLESS IN THE EVENT THE CONTRACTOR DOES NOT FOLLOW SUCH SAFETY REGULATIONS.
- CONTRACTOR SHALL PROVIDE ACCESS TO THE SITE AND ASSIST THE RADIO EQUIPMENT VENDOR AND THE ANTENNA INSTALLATION CONTRACTOR AS THEY MAY REQUIRE.



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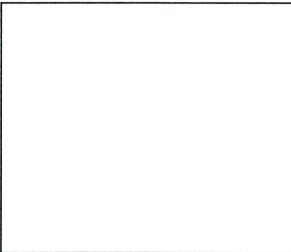
Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C.

Project Contact Info
39 Britton Amherston Blvd. Phone: (518) 783-1630
Suite 101 (500) 829-6531
Latham, NY 12110 www.tectoniceengineering.com

WO NUMBER	DRAWN BY	REVIEWED BY
11861.001	LP	LP

NO.	DATE	ISSUE
0	8/11/23	FOR COMMENT
1	8/30/23	ADDED LOS

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0 1
ORIGINAL SIZE IN INCHES
(22x34 FORMAT)

0 1
ORIGINAL SIZE IN INCHES
(11x17 FORMAT)

SITE INFORMATION

KENT ROAD
WBS#: VZ-00228988.C.9116
MDG#: 5000913024

SITE ADDRESS

UTILITY POLE# TBD
ADJ TO 2 BALDWIN DR
TOWN OF WAPPINGER
DUTCHESS COUNTY
NY 12590

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

GN-1

NORTH ORIENTATION

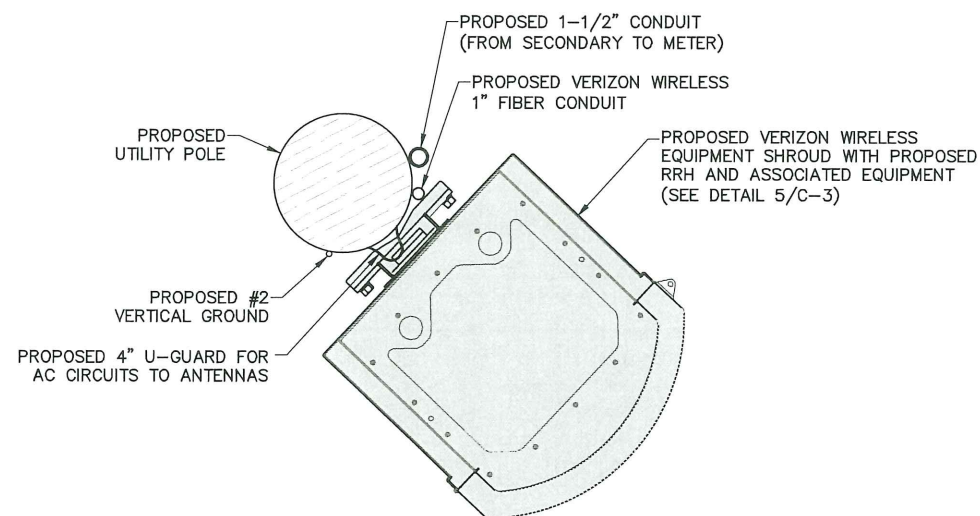
1. NORTH ORIENTATION ESTABLISHED BY COMPASS OBSERVATION.



NOTE:
SITE INFORMATION BASED ON A SITE VISIT PERFORMED BY TECTONIC ENGINEERING CONSULTANTS, GEOLOGISTS & LAND SURVEYORS D.P.C., ON 1/13/23.

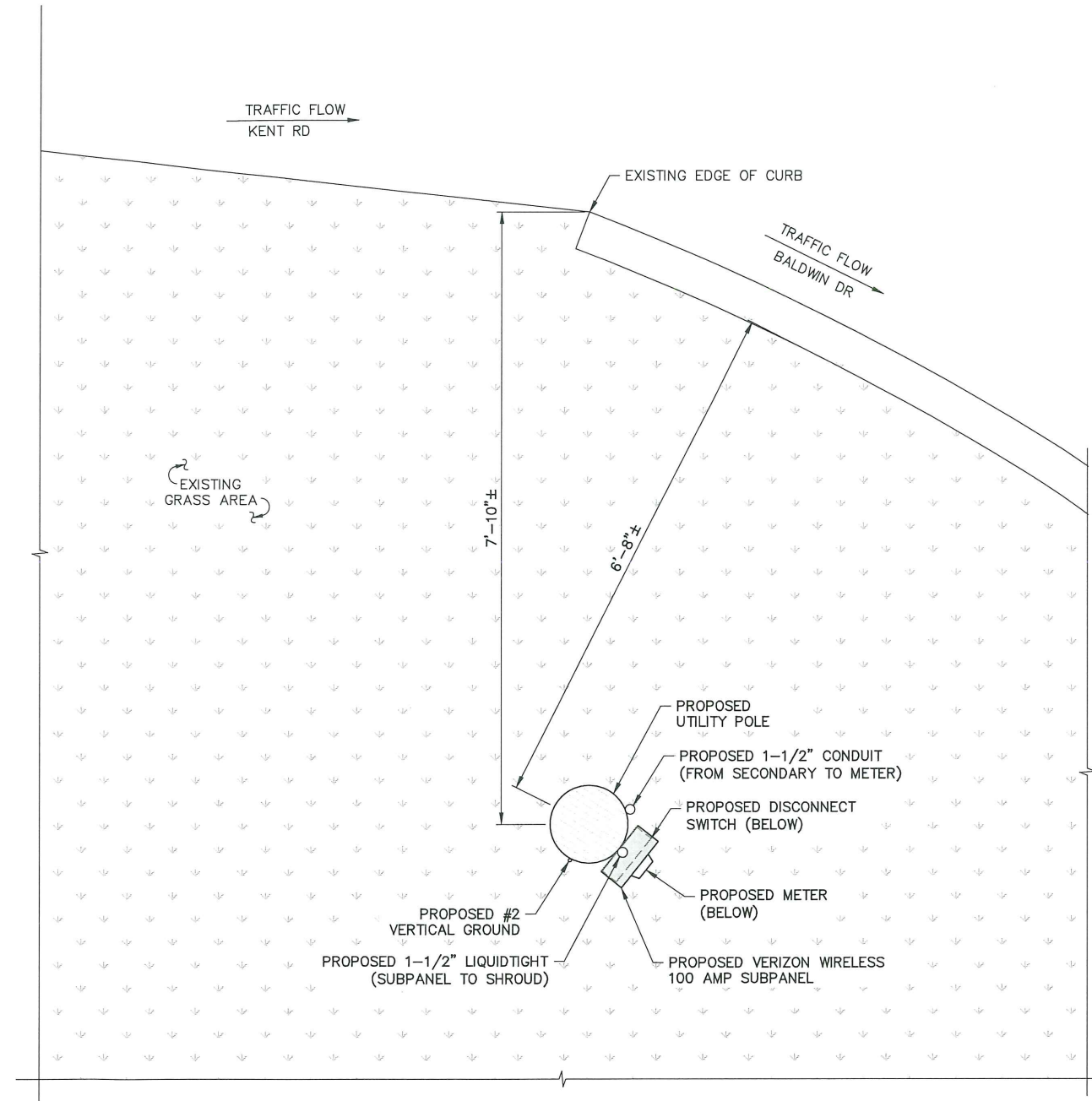
1 SITE PLAN

SCALE: 1" = 80' (11x17 SIZE)
1" = 40' (22x34 SIZE)



2 SHROUD PLAN VIEW

SCALE: 3" = 1'-0" (11x17 SIZE)
1-1/2" = 1'-0" (22x34 SIZE)



3 EQUIPMENT PLAN

SCALE: 1-1/2" = 1'-0" (11x17 SIZE)
1" = 1'-0" (22x34 SIZE)

verizon

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SHEET TITLE

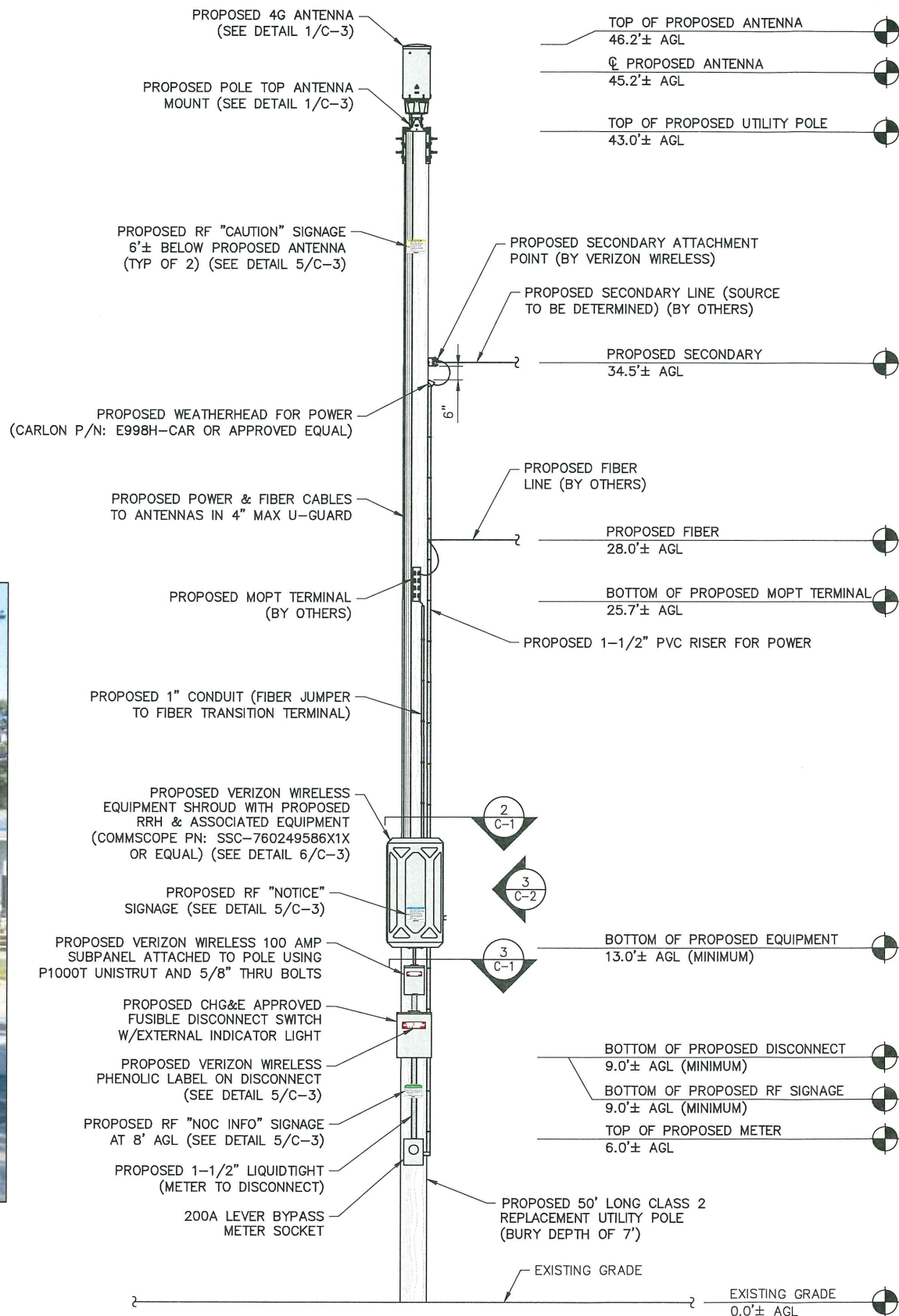
SITE PLAN & EQUIPMENT
PLAN

SHEET NUMBER

C-1

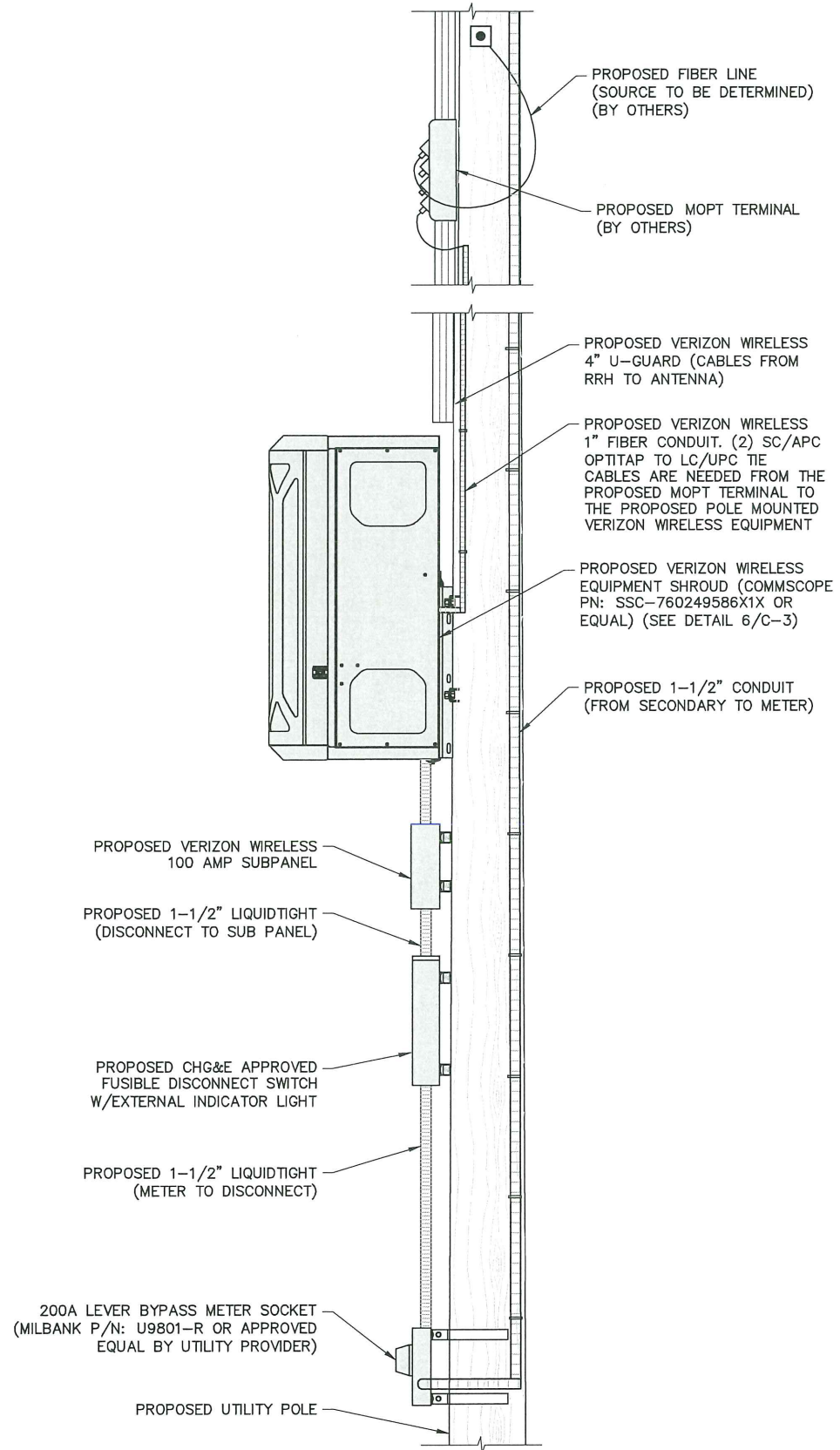


1
C-2
PROPOSED POLE PHOTO
SCALE: NTS



2
C-2
UTILITY POLE ELEVATION
SCALE: 3/16" = 1'-0" (11x17 SIZE)
3/8" = 1'-0" (22x34 SIZE)

NOTE:
USE OF SCHEDULE 40/80 CONDUIT OR RIGID CONDUIT SHALL BE DETERMINED BY THE UTILITY PROVIDERS REQUIREMENTS.



3
C-2
ELEVATION DETAIL
SCALE: 2" = 1'-0" (11x17 SIZE)
1" = 1'-0" (22x34 SIZE)

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(22x34 FORMAT)
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ORIGINAL SIZE IN INCHES
(11x17 FORMAT)

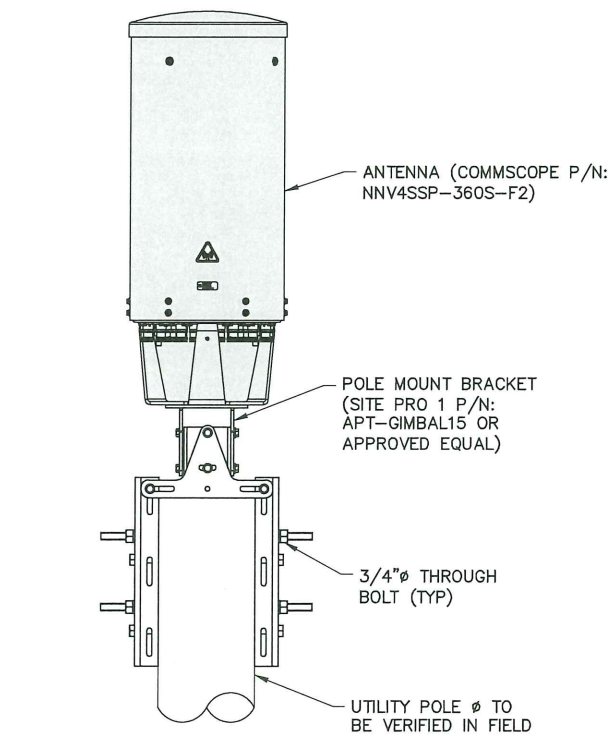
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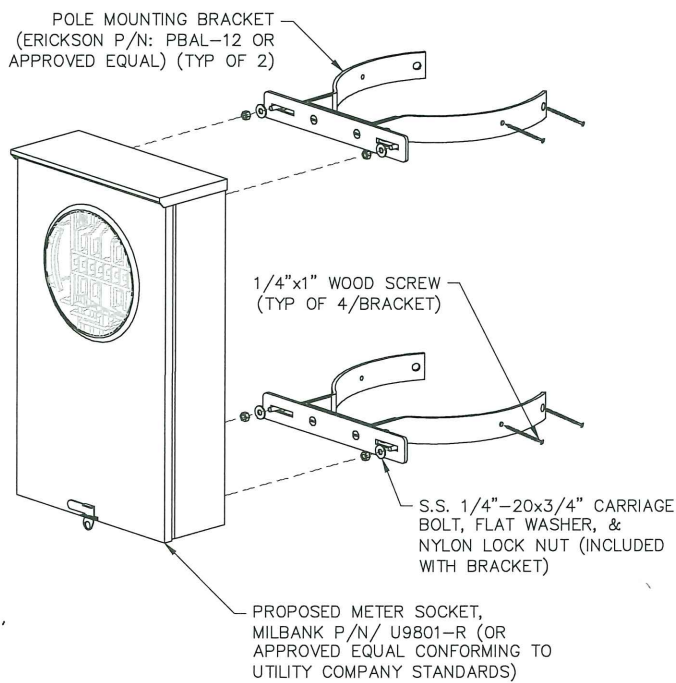
SHEET TITLE
POLE ELEVATION & DETAIL

SHEET NUMBER

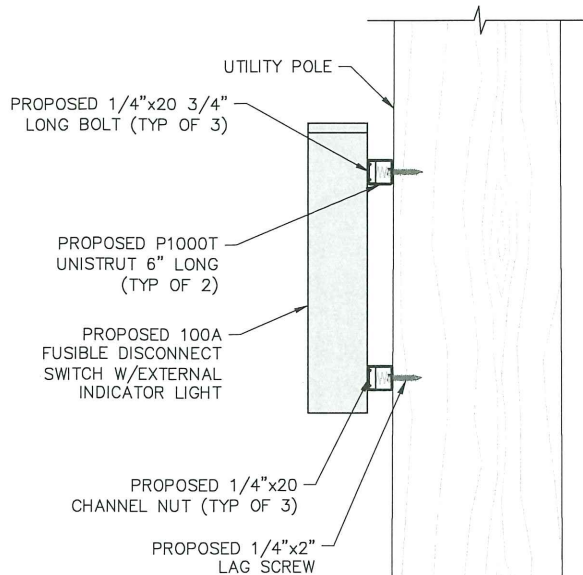
C-2



1 POLE-TOP ANTENNA MOUNTING
C-3 SCALE: NTS

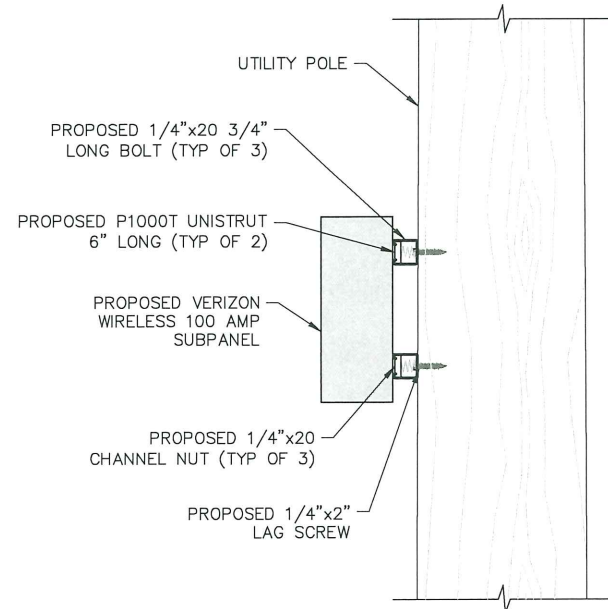


2 METER MOUNTING DETAIL
C-3 SCALE: NTS

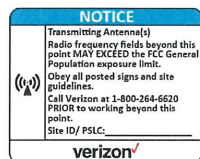


3 DISCONNECT MOUNTING DETAIL
C-3 SCALE: 4" = 1'-0" (11x17 SIZE)
2" = 1'-0" (22x34 SIZE)

NOTE:
USE OF SCHEDULE 40/80 CONDUIT OR RIGID CONDUIT SHALL BE DETERMINED BY THE UTILITY PROVIDERS REQUIREMENTS.



4 SUBPANEL MOUNTING DETAIL
C-3 SCALE: 4" = 1'-0" (11x17 SIZE)
2" = 1'-0" (22x34 SIZE)



VERIZON WIRELESS
AC SERVICE DISCONNECT
& RF SHUTOFF

NOTE:

- CONTRACTOR TO FURNISH AND INSTALL PHENOLIC LABEL APPLIED TO LOAD CENTER.
- ATTACH RF "NOTICE" AND "INFORMATION" SIGNAGE TO FACE OF UTILITY POLE USING 1" WOOD SCREWS.
- RF SIGNS ARE APPROXIMATELY 6"x7.5" IN SIZE.

5 PROPOSED SIGNAGE
C-3 SCALE: NTS

Metro Cell Solutions

SSC-760249586X1X

MV2 Micro Radio Concealment Enclosure

Universal Single Part Number Radio Enclosure

Introduction

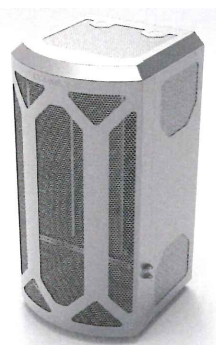
One pole mounted Radio Enclosure for all your radio configurations under a single part number

- Highly configurable – supports varying configurations with a universal mounting solution
- Aesthetically curved front
- Accepts Radios for:
 - Ericsson SSC-760249586E1X
 - Nokia SSC-760249586N1X
 - Samsung radios SSC-760249586S1X

Application

The radio concealment enclosure is designed to conceal small cell radios and be mounted to existing metal, concrete and wood pole structures as well as pole replacements where low-visual impact is desired.

- Unique, universal internal mounting system
- Can be kitted with Rectifiers, Raycap, CommScope duplexers and jumpers



System Dimensioning & Configuration

Height / Width / Depth / Volume	48 in. (1219.2 mm) / 24 in. (609.6 mm) / 26 in. (660.4 mm) 17.3 cu ft.
System Weight	70lbs. (32kg) with no radio equipment installed. Approx. 270lbs (127kg) fully loaded (max) *weight varies on configuration
Min. / Max. Acceptable Pole Diameter (With Included Mounting Kit)	2.5in-8.5 in. Dia by clamping (Larger diameter poles by steel banding) Up to 12in Dia Wood Pole with included 5/8" threaded rod for through bolting
Finish	UV-resistant powder coat; Various color options available. "1" for Light Grey, "2" for Green, "3" for Black, "4" for Brown, "6" for Fairfax Brown, "8" Federal Park Brown, "9" for Metallic Silver, "W" for White
Power/Fiber Input Conduit	Back: (2) 2" Trade Size Knockouts. Bot: (2) 2" Trade Size Knockouts Top: (2) 2" Trade Size Knockouts

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Metro Cell Solutions

RadioCompatibility
SSC-760249586X1X

Ericsson Configurations "SSC-760249586E1X"

- (2) RRU11/RRU32/2212/4415/4426/4478 & (2) PSU AC 02/08 units
- (1) 8843 or 4449 Dual Band RRU & (2) PSU AC 02/08 units
- (1) 8843 and (1) 4478 & (3) PSU AC 02/08 units
- (1) 4415, (1) 4449 and (1) 220x440x & (3) PSU AC 02/08 units
- (1) 4455 and (1) 4449 & (3) PSU AC 02/08 units
- (1) 4449 and (2) 220x440x & (2) PSU AC 02/08 units
- Up to (5) 2203/2205/2208 or 4402/4408 radios
- (1) 4415 or 4426 radio and (1) 220x440x & (1) PSU AC 02/08

Please see CommScope representative for additional configurations

Samsung Configurations "SSC-760249586S1X"

- (1) AWS PCS 320W dual band radio, (1) RT4401-48A CBRs radio, (1) RT2201-46A LAA radio.
- (1) Delta 2.0kW DC rectifier, (1) SDX19260-43/SDX1926T-43

Please see CommScope representative for additional configurations

Nokia Configurations "SSC-760249586N1X"

- (2) Dual Band 160W and/or 320W and/or Tri Band 370W Radios with Associated Rectifiers

Supported Dual or Tri Band Radios:

- AHFA
- AHFIB
- AHFIC
- AHLBA
- AHBCA
- AHBCC
- AHLBA

Supported Rectifiers:

- Delta
- GE
- CCI
- Nokia FPAE

- (4) AirScale Micro radios

Please see CommScope representative for additional configurations

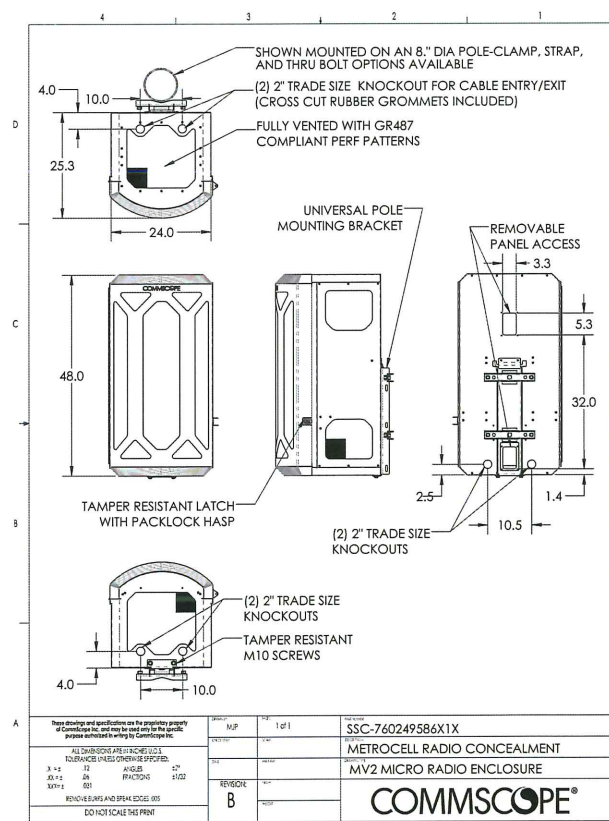
- Notes:
- Enclosure accommodate the following RayCap models:
 - RSCAC-6533-P-120-D, RSCAC-9457-HP-120-D or RSCAC-1333-PH-240
 - Enclosure can accommodate CommScope Diplexer model SDX19260-43
 - Enclosure can accommodate Delta 1.0kW, 1.8kW or 2.0kW rectifiers, or CCI rectifiers or GE rectifiers or Nokia FPAE rectifiers.
 - Please see CommScope representative for details
 - "x" denotes color: "1" for Light Grey, "2" for Green, "3" for Black, "4" for Brown, "6" for Fairfax Brown, "8" Federal Park Brown, "9" for Metallic Silver, "W" for White



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Project Contact Info
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Latham, NY 12110 www.tectoniceengineering.com

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NO. DATE ISSUE

0 8/11/23 FOR COMMENT

1 8/30/23 ADDED LOS

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0 1
ORIGINAL SIZE IN INCHES
(22x34 FORMAT)

0 1
ORIGINAL SIZE IN INCHES
(11x17 FORMAT)

SITE INFORMATION

KENT ROAD

WBS#: VZ-00228988.C.9116

MDG#: 5000913024

SITE ADDRESS

UTILITY POLE# TBD

ADJ TO 2 BALDWIN DR

TOWN OF WAPPINGER

DUTCHESS COUNTY

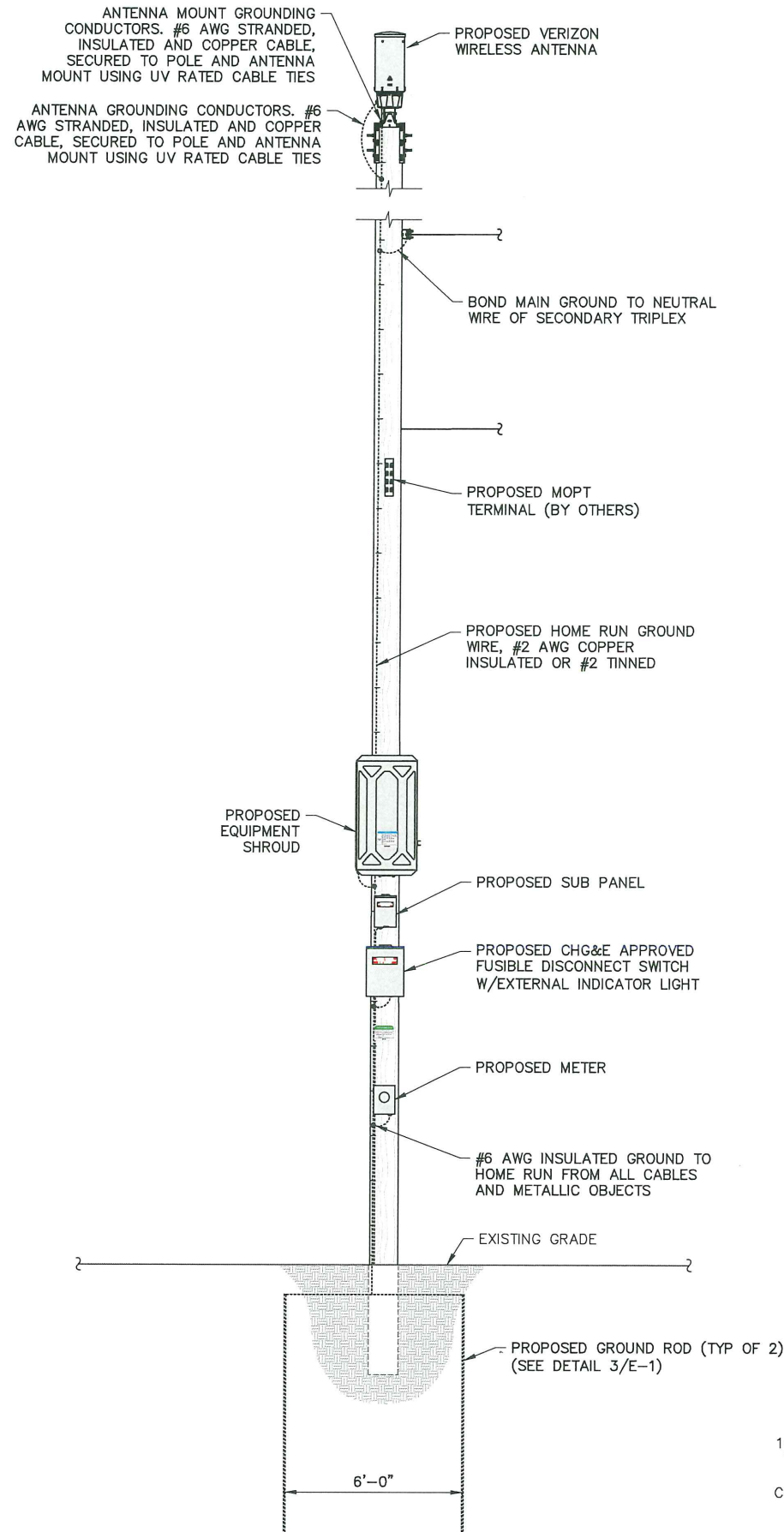
NY 12590

SHEET TITLE

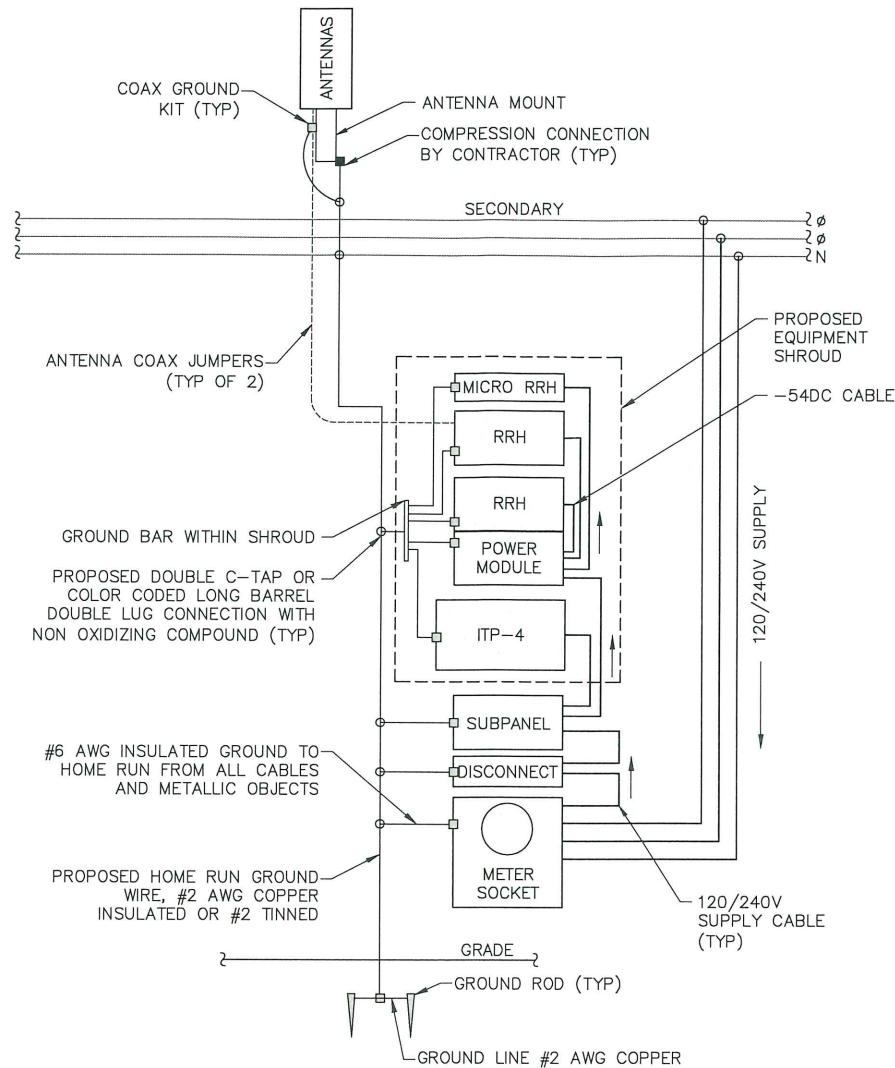
POLE MOUNT DETAILS

SHEET NUMBER

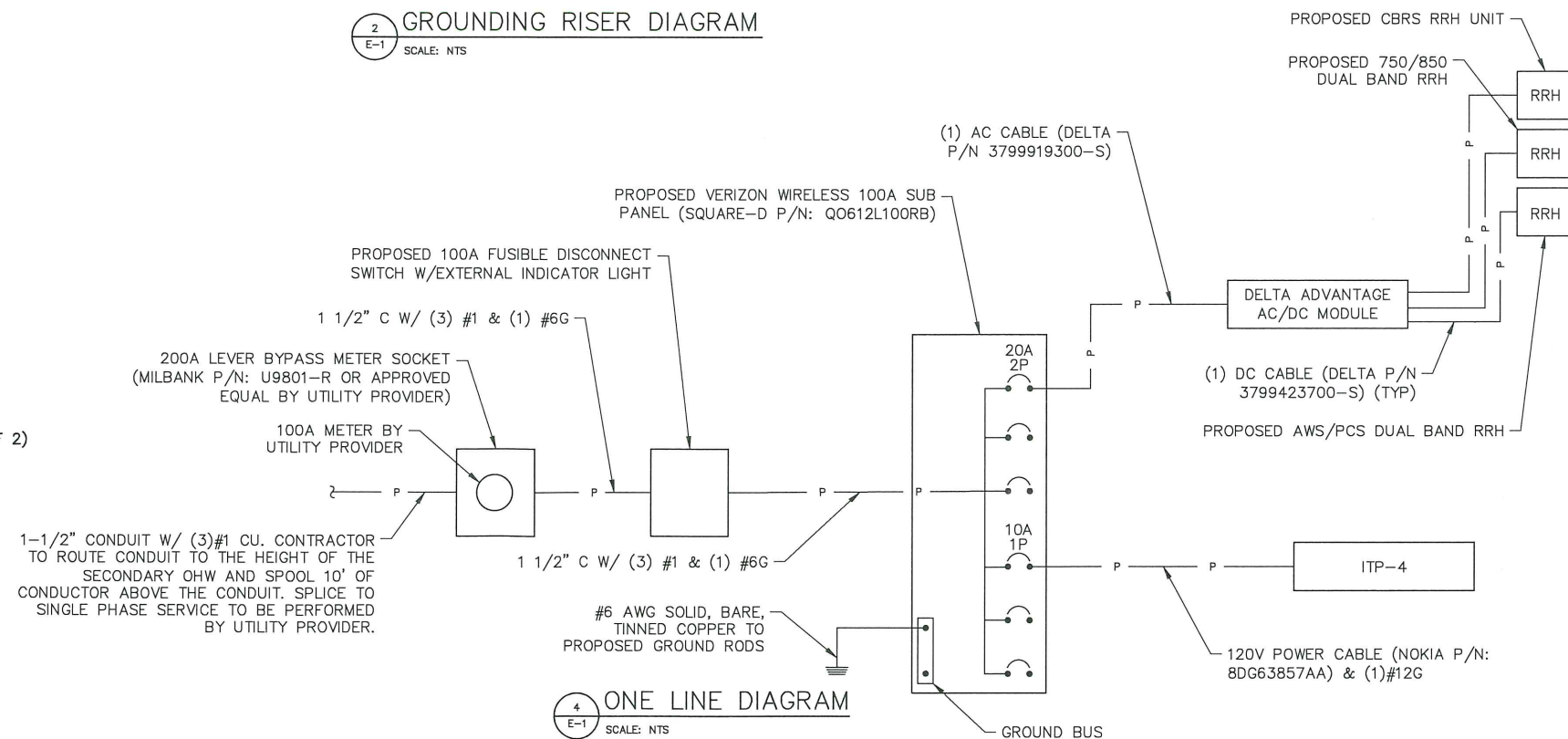
C-3



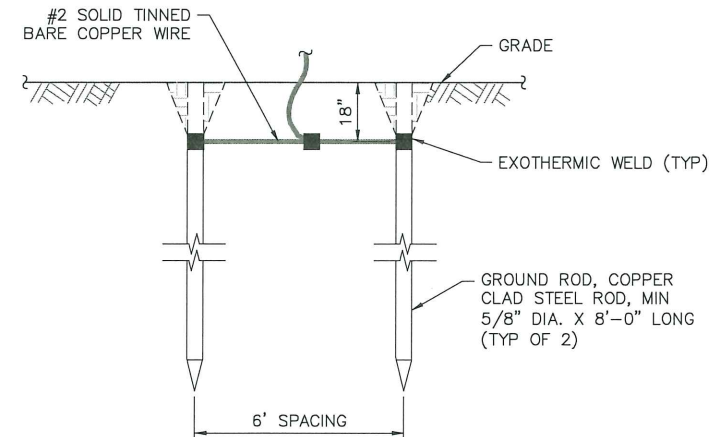
1
E-1
UTILITY POLE GROUNDING DETAIL
SCALE: 3/16" = 1'-0" (11x17 SIZE)
3/8" = 1'-0" (22x34 SIZE)



2
E-1
GROUNDING RISER DIAGRAM
SCALE: NTS



4
E-1
ONE LINE DIAGRAM
SCALE: NTS



NOTE:
GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM VERTICAL.

3
E-1
GROUND ROD DETAIL
SCALE: NTS

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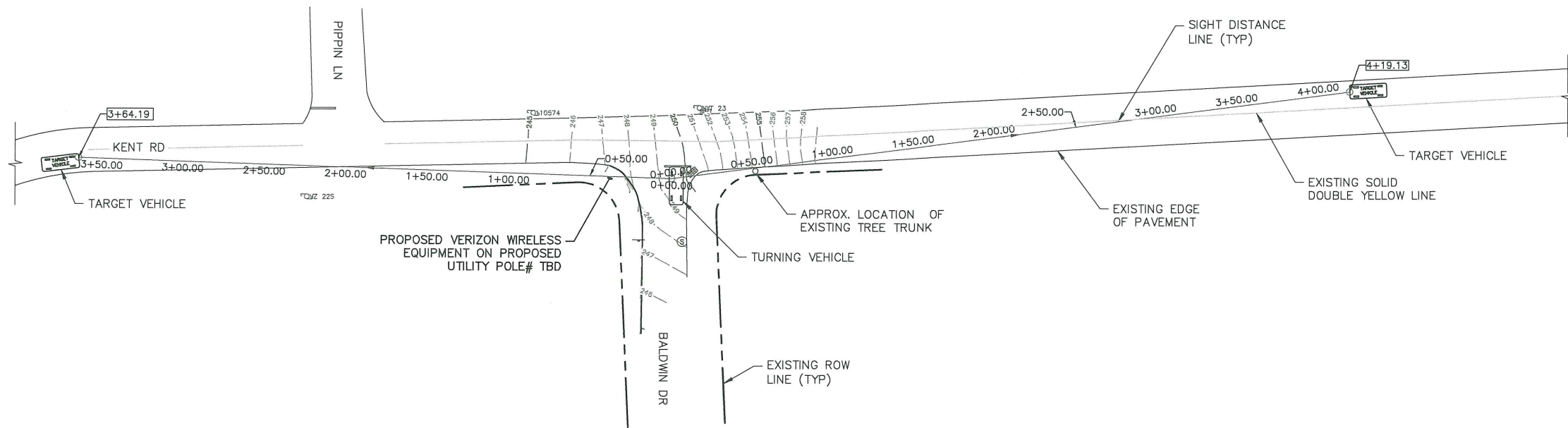
SITE ADDRESS
UTILITY POLE# TBD
ADJ TO 2 BALDWIN DR
TOWN OF WAPPINGER
DUTCHESS COUNTY
NY 12590

SHEET TITLE
ELECTRICAL & GROUNDING
DIAGRAMS & DETAILS

SHEET NUMBER
E-1



NORTH ORIENTATION
1. NORTH ORIENTATION ESTABLISHED BY COMPASS OBSERVATION.



NOTE:
KENT ROAD IS A PUBLIC HIGHWAY WITH POSTED SPEED LIMIT OF 30 MPH.

1
LOS-1
LINE OF SIGHT PLAN
SCALE: 1" = 80' (11x17 SIZE)
1" = 40' (22x34 SIZE)

TABLE 5C-3 DESIGN INTERSECTION SIGHT DISTANCE (IN FEET) - CASE B1 - LEFT TURN FROM STOP

DESIGN SPEED (MPH)	PASSENGER CAR			SINGLE-UNIT TRUCK			COMBINATION TRUCK		
	1	2	3	1	2	3	1	2	3
15	170	180	190	210	225	245	255	270	285
20	225	240	250	280	300	325	340	360	380
25	280	295	315	350	375	405	425	450	475
30	335	355	375	420	450	485	510	540	570
35	390	415	440	490	525	565	595	630	665
40	445	475	500	560	600	645	680	720	760
45	500	530	565	630	675	725	765	810	855
50	555	590	625	700	750	805	850	900	950
55	610	650	690	770	825	885	930	990	1045
60	665	710	750	840	900	965	1015	1080	1140
65	720	765	815	910	975	1045	1100	1170	1235
70	775	825	875	980	1050	1125	1185	1260	1330

TABLE 5C-4 DESIGN INTERSECTION SIGHT DISTANCE (IN FEET) - CASE B2 - RIGHT TURN FROM STOP AND - CASE B3 - CROSSING MANEUVER

DESIGN SPEED (MPH)	PASSENGER CAR			SINGLE-UNIT TRUCK			COMBINATION TRUCK		
	1	2	3	1	2	3	1	2	3
15	145	155	170	190	205	220	235	250	265
20	195	210	225	250	275	295	310	330	350
25	240	260	280	315	340	365	390	415	440
30	290	310	335	375	410	440	465	495	525
35	335	365	390	440	475	510	545	580	615
40	385	415	445	500	545	585	620	660	700
45	430	465	500	565	610	655	695	745	790
50	480	515	555	625	680	730	775	825	875
55	530	570	610	690	745	805	850	910	965
60	575	620	665	750	815	875	930	990	1050
65	625	670	720	815	880	950	1005	1075	1140
70	670	725	775	875	950	1020	1085	1155	1225

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LINE OF SIGHT PLAN

SHEET NUMBER

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