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January 22, 2019

Via Federal Express and Email

City of Beacon Common Council
1 Municipal Plaza
Beacon, New York 12508

RE: Application of Orange County-Poughkeepsie Limited Partnership d/b/a Verizon
Wireless -110 Howland Avenue

Dear Mayor Casale and Members of the City Council

Please accept this letter as Verizon Wireless' response to the comments provided in the John Clarke Planning and Design January 11, 2019 letter in connection with the above referenced application. For ease of reference, Mr. Clarke's comments have been provided below in their entirety followed by our responses.

1. The Special Permit Application and Site Plan identify the parcel as in the R1-20 zoning district, but it is actually in the R1-40 district.

Response: The enclosed plans have been corrected to include the correct zoning district.

2. Short EAF question 3.a states the site acreage is 6 acres, but the Dutchess County Parcel Access lists the lot size as 4.359 acres. The form should also attach DEC's EAF Mapper to confirm some of the answers.

Response: The revised Short EAF has been revised and now includes the DEC EAF Mapper.

3. Sections 223-24.5 D(1)(a) and D(3) of the Zoning Code include as locational priorities that new facilities should be attached to a City-owned or existing structure, wherever possible. The application's Site Selection Analysis contains no specific information on consideration of alternative sites. Only two are listed as possibilities, both on the proposed property. For example, there is a City of Beacon water tower only 800 feet to the south that could have been investigated. The application should include a more detailed explanation of alternative properties (see also Section 223-24.5 R(4)).

Response: We question whether the references to Section 223-24.5 are correct. Although Section 223-24.5 of the Zoning Law regulates wireless telecommunications facilities, we note that in August, 2018, the City Council enacted Local Law 13 of the Year 2018 which created section 223-26.4, which specifically purports to regulate small cell facilities. Moreover, Section 223-26.4 establishes specific location priorities for small cells that differ from Section 223-24.5. The City Council intended to have small cell facilities exempt from Section 223-24.5 and, instead regulated by Section 223-26.4.

That said, the Site Selection Analysis included with the Radio Frequency Analysis confirms that the new regulations governing small cell facilities was reviewed and it was determined that no city owned or higher priority sites existing in the area that are suitable for collocation. The analysis also provides that:

“[a]s is the case with other micro sites the search area provided to Site Acquisition (SACQ) by RF Engineering is relatively limited in size which in turn limits the number of potential candidates, in this case there were two. Due to the small nature of the target area, coordination with other sites in design, interest in maximizing site capabilities while limiting the number of solutions required limits the areas where this site will work....”

We asked the Verizon Wireless RF Engineer to comment on the viability of using the water tank in place of the new wooden utility pole. As set forth in greater detail in the supplemental RF letter enclosed herewith, the water tank is not a viable candidate for collocation since it will provide significantly less coverage (approximately 50% less) compared to the proposed facility.

4. If this property is determined to be the only or best viable option, why is the tower not located farther back on the site, closer to the tree line where it could be better screened from the immediate neighbors? It is instead placed directly next to a residential building and parking lot in full view of the houses just to the south, one of which is listed as The Swann Inn of Beacon, a tourist-oriented bed and breakfast originally built in the 1860s.

Response: The proposed utility pole is not located directly next to the Swann Inn of Beacon. According to Google Earth Pro, the proposed utility pole is located

approximately 215' from the Swann Inn of Beacon. More importantly, the proposed pole will be a wooden utility pole similar to the existing utility poles that are located much closer to the Swann Inn of Beacon and the other nearby residences. See, enclosed photograph that was included in the original application that shows an existing utility pole/line. The existing utility pole/line is much closer to the referenced residences. Although the proposed pole is taller than the existing utility poles, it is hard to imagine how the proposed pole is considered more objectionable than the existing utility poles. The photosimulations previously provided clearly demonstrate how well the proposed pole blends in with the environment.

The purpose of installing the small cell facility at the edge of the Beyond Disability parking lot is to limit the improvements to those necessary for the facility. For example, relocating the pole back further on the site will require the installation of a gravel driveway for access. Utilities will also need to be extended back to the small cell facility. Verizon Wireless does not believe the additional development and associated impacts are necessary, especially considering the minor nature of the installation as currently proposed. Small cell facilities are intended to have limited footprints and without excessive improvements such as access roads and extended utilities pathways.

Finally, Verizon Wireless proposes to install fencing around the small cell facility in the same style as that which currently surrounds the existing dumpsters on the property. This will help screen a portion of the facility from neighboring properties.

5. The visible area identified in the Key Map of the Visual Analysis should include 53-60 Chiusano Drive. One of the photographs at the end of the application packet clearly shows that the tower site will be visible from this adjacent house to the south.

Response: Tectonic Engineering has revised to the viewshed map slightly to include additional visible area (shaded green) just south west of the house in question.

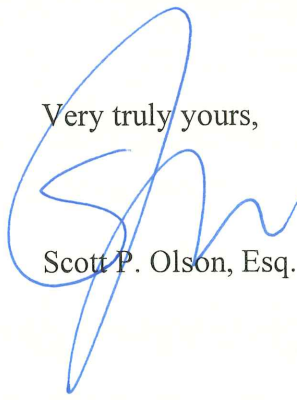
6. The Site Plan in the application should propose landscaping and/or screening to minimize the visual impacts from surrounding properties, consistent with Section 223-24.5 G.

Response: Based on the minor nature of the proposal (as demonstrated by the photosimulations previously provided), including the installation of the white fence surrounding the small cell facility, Verizon Wireless does not believe that the proposal results in any significant visual impacts that require mitigation with landscaping or otherwise.

7. The Site Plan should show the setback distances from the tower to the residential building on the site and to the surrounding property lines, meeting the setback requirements in 223-24.5 E.

Response: The enclosed plans have been revised to include the requested information.

Very truly yours,

A handwritten signature in blue ink, appearing to be "S. Olson", written over the typed name.

Scott P. Olson, Esq.

Enclosures



PROJECT NO.: 20161509173
SITE NAME:
HOWLAND MICRO



Know what's below.
Call before you dig.

48 HOURS PRIOR TO DIGGING,
CONTRACTOR TO NOTIFY ALL
UTILITY COMPANIES TO LOCATE
ALL UNDERGROUND UTILITIES.

APPLICANT:
verizon
275 JOHN ST.
SUITE 100
WEST HENRIETTA NY 14586

PREPARED BY:
EBI ENGINEERING PC
21 B Street | Burlington, MA 01803
Tel: (781) 273-2500 | Fax: (781) 273-3311
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Kelly Stankovic

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AFFIX TO THE DOCUMENT THEIR SEAL AND
NOTATION "ALTERED BY" FOLLOWED BY
THEIR SIGNATURE AND THE DATE OF SUCH
ALTERATION, AND SPECIFIC DESCRIPTION OF
THE ALTERATION.

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C	01/14/19	REVISED PER COMMENTS	SM

EBI JOB NO:
8118000249

SITE INFO:
HOWLAND MICRO
PROJECT NO.: 20161509173
LOCATION CODE: 432846
110 HOWLAND AVENUE
BEACON, NY 12508
DUTCHESS COUNTY

SHEET TITLE:
TITLE SHEET

DRAWN BY: SM	SHEET NO: T-1
CHECKED BY: AG	
DATE: 11/12/18	

DRAWING INDEX	
SHEET	DESCRIPTION
T-1	TITLE SHEET
Z-1	SITE PLAN
Z-2	OVERALL SITE PLAN
Z-3	POLE ELEVATION, DETAILS & NOTES
Z-4	DETAILS & NOTES

CODE COMPLIANCE

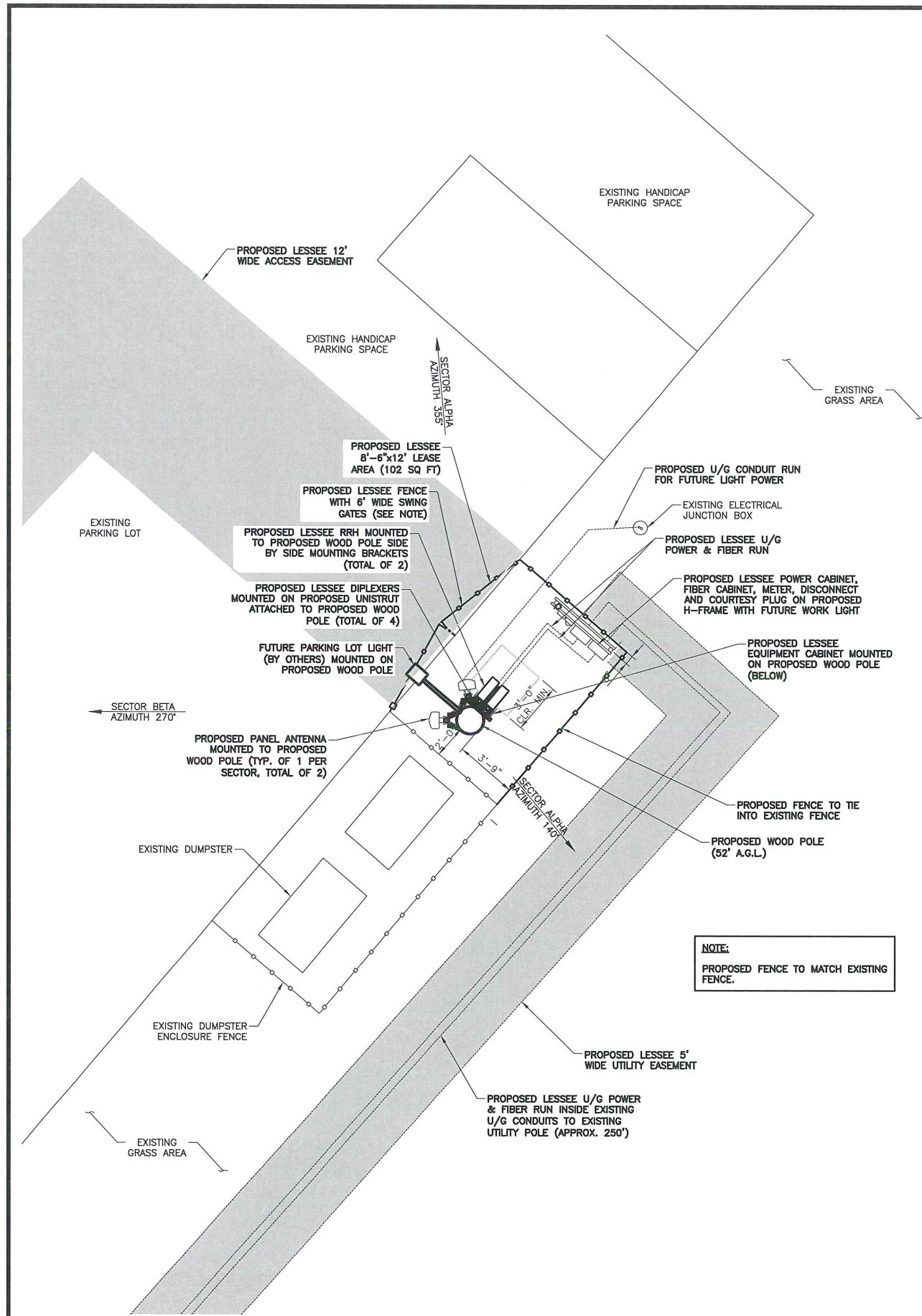
ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LOCAL CODES:

- IBC2015 WITH LATEST NEW YORK STATE AMENDMENTS
- NFPA 70-14 (NEC 2014)
- TIA-222-G-05 WITH LATEST ADDENDA

VICINITY MAP
N.T.S.

START AT 1275 JOHN ST. GO STRAIGHT (NE) ON JOHN ST. IN 0.61 MI TURN RIGHT (E) ON TO BAILEY RD. IN 1.03 MI TURN RIGHT (SSW) ON TO SR 15 (W HENRIETTA RD). IN 1.04 MI TURN LEFT (E) ON TO LEHIGH STATION RD. IN 0.49 MI TURN RIGHT (SSW) ON TO I-390 S RAMP. IN 0.27 MI KEEP RIGHT (SW) ON TO I-90 E (NEW YORK STATE THWY) RAMP 12B. IN 0.57 MI KEEP LEFT (E) ON I-90 E (NEW YORK STATE THWY) RAMP. IN 72.90 MI KEEP RIGHT (N) ON TO I-690 E RAMP 39. IN 0.92 MI KEEP RIGHT (ESE) ON I-690 E RAMP. IN 8.91 MI KEEP RIGHT (SSE) ON TO I-81 S RAMP 13. IN 76.37 MI KEEP LEFT (ESE) ON TO SR 17 RAMP 2E. IN 113.42 MI KEEP RIGHT (ENE) ON TO I-84 E RAMP 121. IN 22.57 MI KEEP RIGHT (E) ON TO SR 9D (NORTH RD) RAMP 11. IN 0.21 MI TURN RIGHT (SSW) ON TO SR 9D (NORTH RD). IN 0.48 MI KEEP LEFT (S) ON TO NORTH AVE. IN 0.26 MI KEEP RIGHT (SSW) ON TO SR 9D (WOLCOTT AVE). IN 0.49 MI KEEP LEFT (SE) ON TO BEEKMAN ST 1.57 MI. IN 0.20 MI GO STRAIGHT (ESE) ON TO SR 9D (WOLCOTT AVE). IN 1.11 MI TURN LEFT (ENE) ON TO HOWLAND AVE. IN 0.26 MI FINISH AT 110 HOWLAND AVE, BEACON, NY. 05:22:36 302.11 MI.

PROJECT INFORMATION	
SITE TYPE:	UTILITY POLE
SITE NAME:	HOWLAND MICRO
SITE ADDRESS:	110 HOWLAND AVENUE BEACON, NY 12508
COUNTY:	DUTCHESS
ZONING DISTRICT:	R1-40
COORDINATES:	LATITUDE: 41° 29' 40.66" N (NAD 83) LONGITUDE: 73° 57' 19.85" W (NAD 83)
GROUND ELEVATION:	251± A.M.S.L. (NAVD88)
PROPERTY OWNER:	ABILITY BEYOND DISABILITY 4 BERKSHIRE BLVD. BETHEL, CT 06801
APPLICANT:	ORANGE COUNTY POUGHKEEPSIE LIMITED PARTNERSHIP D/B/A VERIZON WIRELESS 1275 JOHN ST. SUITE 100 WEST HENRIETTA NY 14586



SYMBOLS & ABBREVIATIONS	
— G —	GROUND WIRE
— E —	ELECTRIC
— T —	TELCO SERVICE
— OH —	OVER HEAD UTILITY
— X —	FENCE
(E)	EXISTING
(P)	PROPOSED
A.F.F.	ABOVE FINISHED FLOOR
A.G.L.	ABOVE GROUND LEVEL
A.M.S.L.	ABOVE MEAN SEA LEVEL
E.Q.	EQUAL
GALV.	GALVANIZED
MAX.	MAXIMUM
MIN.	MINIMUM
MGB	MASTER GROUND BAR
EGB	EQUIPMENT GROUND BAR
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
SCH.	SCHEDULE
TYP.	TYPICAL
U/G	UNDERGROUND
U/P	UTILITY POLE
V.I.F.	VERIFY IN FIELD
DET SHT	DETAIL REFERENCE
DET SHT	DETAIL SECTION REFERENCE
ELEV. 350'-0"	SURFACE ELEVATION
SECT SHT	SECTION REFERENCE
SECT SHT	ELEVATION REFERENCE
---	PROPERTY LINE - SUBJECT PARCEL
---	PROPERTY LINE - ABUTTERS
---	ZONING DISTRICT BOUNDARY LINE
---	TOWN BOUNDARY LINE
---	EXISTING BUILDINGS

PARCEL NO: 6258-01-081999-0000
OWNER: CROSS COURT ASSOCIATES
204 NEW HACKENSACK RD
WAPPINGERS FALLS, NY 12590
LAND AREA: 6.00 ACRES



SCALE: 1/8" = 1'-0"

1. THE PROJECT CONCERNS THE INSTALLATION/OPERATION AND MAINTENANCE OF AN UNMANNED PUBLIC UTILITY/PERSONAL WIRELESS SERVICE FACILITY.
2. THE PROPOSED DEVELOPMENT IS UNMANNED AND DOES NOT REQUIRE A MEANS OF WATER SUPPLY OR SEWAGE DISPOSAL, OR HANDICAPPED ACCESS.
3. THE PROPOSED DEVELOPMENT IS MINIMAL, AND WILL CREATE NEGLIGIBLE ADDITIONAL STORMWATER RUNOFF AND WILL THEREFORE NOT IMPACT THE EXISTING STORMWATER DRAINAGE SYSTEM.
4. THE PROPOSED DEVELOPMENT DOES NOT INCLUDE OUTDOOR STORAGE, ANY SOLID WASTE RECEPTACLES, OR PLUMBING.
5. ADEQUATE PARKING EXISTS FOR ONE VEHICLE FOR MAINTENANCE OR EMERGENCY SERVICE ONCE A MONTH.
6. THERE ARE NO NEW STREETS, CURBS, SIDEWALKS OR WALKWAYS PROPOSED.
7. THERE ARE NO COMMERCIAL SIGNS PROPOSED FOR THIS INSTALLATION.
8. EXISTING UTILITIES (LOCATION, SIZES AND INVERTS) SHOWN ON THE PLANS ARE APPROXIMATE AND ARE NOT CERTIFIED AS TO THE ACCURACY OF THEIR LOCATION OR COMPLETENESS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS AND DEPTHS OF ALL UTILITIES AND STRUCTURES IN THE PATH OF, OR CLOSELY PARALLEL TO, OR UNDER, THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DELAYS OR DAMAGE OCCURRING AS A RESULT OF INCORRECTLY LOCATED UTILITIES. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITY OWNERS IN AMPLE TIME FOR THEM TO LOCATE AND MARK THEIR FACILITIES. THE CONTRACTOR SHALL ALSO NOTIFY UNDERGROUND UTILITY WORK LOCATION SERVICE AT LEAST 48 HOURS IN ADVANCE OF COMMENCING ANY WORK.

2 GENERAL NOTES

1. ALL SITE WORK SHALL BE INDICATED ON THE DRAWING.
2. RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
3. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW WAY FROM THE EQUIPMENT AND TOWER AREAS.
4. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
5. THE SUBGRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISH SURFACE APPLICATION.
6. ALL EXISTING ACTIVE SEWER WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY ENGINEERS, EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES.
7. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH EXECUTION OF THE WORK, SUBJECT TO THE APPROVE OF ENGINEERING.
8. THE AREA DISTURBED DUE TO CONSTRUCTION ACTIVITY SHALL BE GRADED TO A UNIFORM SLOPE, FERTILIZED, SEEDED, AND COVERED WITH MULCH.
9. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE GUIDELINES FOR EROSION AND SEDIMENT CONTROL, AND COORDINATED WITH THE TOWN.
10. CONTRACTOR SHALL NOTIFY UNDERGROUND FACILITIES PROTECTIVE ORGANIZATION AT TELEPHONE NUMBER 1-800-962-7962 PRIOR TO EXCAVATION AT SITE.
11. ALL EXCAVATION WORK WITHIN 36" OF EITHER SIDE OF UNDERGROUND UTILITIES MUST BE DONE BY HAND EXCAVATION METHODS.

3 SITE NOTES

APPLICANT:

verizon
275 JOHN ST.
SUITE 100
WEST HENRIETTA NY 14586

PREPARED BY:

EBI ENGINEERING PC

21 B Street | Burlington, MA 01803
Tel: (781) 273-2500 | Fax: (781) 273-3311
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Kelly Stroh

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B	11/21/18	REVISED PER COMMENTS	SH
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EBI JOB NO: **8118000249**

SITE INFO:

HOWLAND MICRO
PROJECT NO.: **20161509173**
LOCATION CODE: **432846**
110 HOWLAND AVENUE
BEACON, NY 12508
DUTCHESS COUNTY

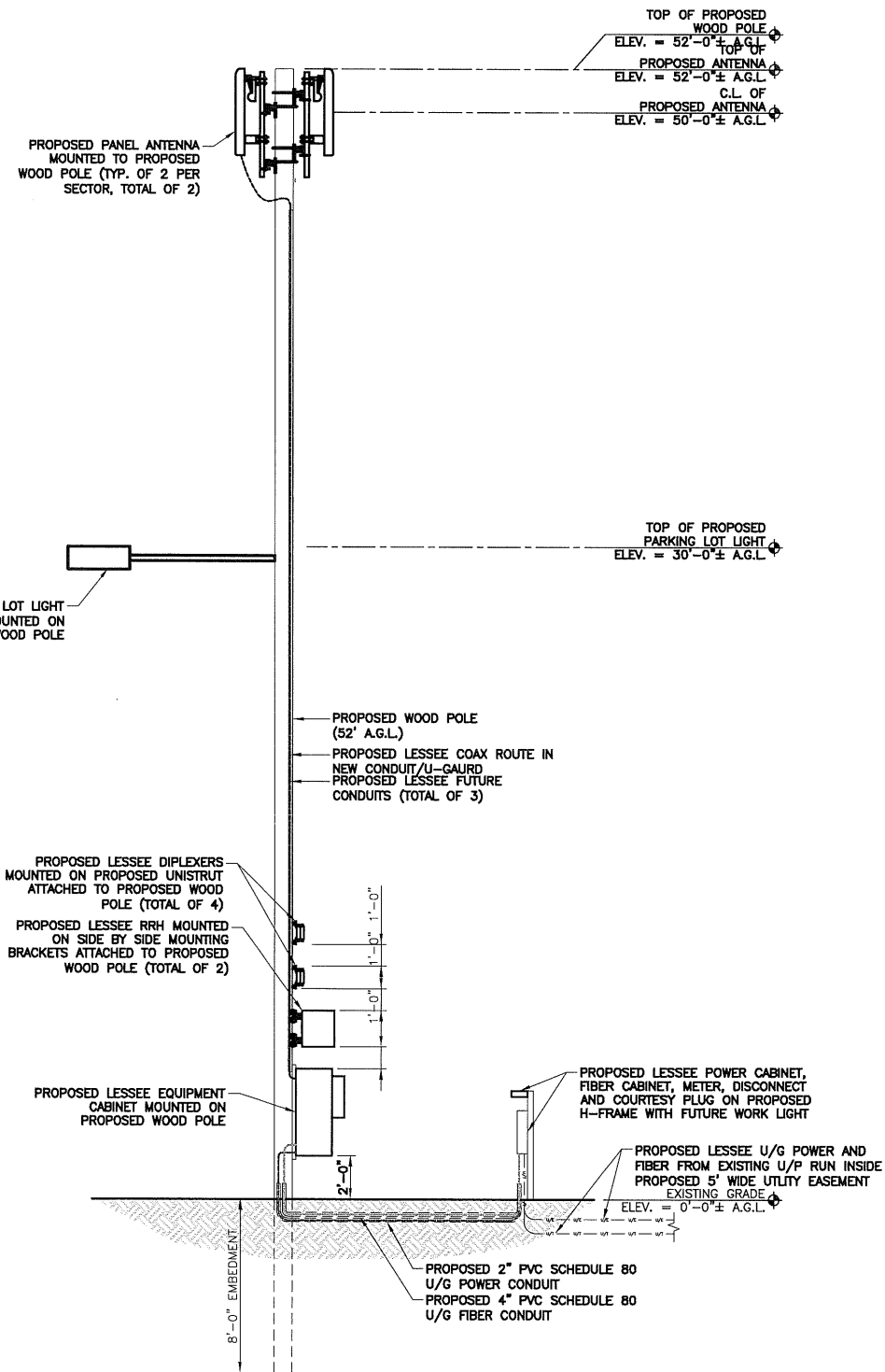
SHEET TITLE:

OVERALL SITE PLAN

DRAWN BY:
SM
CHECKED BY:
AG
DATE:
11/12/18

SHEET NO:

Z-2

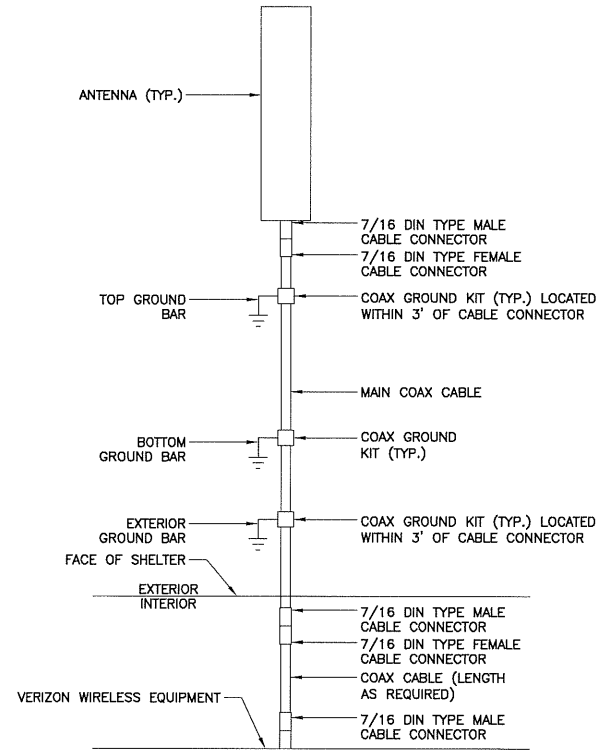


1. DESIGN AND CONSTRUCTION OF ANTENNA SUPPORTS SHALL CONFIRM TO ANSI/TIA/EIA-222-G-05 WITH LATEST ADDENDA "STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES". NOTE: SEE CODE FOR COUNTY SPECIFIC DESIGN WIND SPEEDS.
2. ALL STEEL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS", UNLESS OTHERWISE NOTED.
3. 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.
4. DAMAGE GALVANIZE SURFACES SHALL BE REPAIRED BY COLD GALVANIZING IN ACCORDANCE WITH ASTM A780.
5. ALL ANTENNA MOUNTS SHALL BE INSTALLED WITH DOUBLE NUTS AND SHALL BE INSTALLED SNUG TIGHT.
6. DESIGN RESPONSIBILITY OF ANTENNA MOUNTING BRACKETS, SUPPORTS AND ALL COMPONENTS THEREOF AND ATTACHMENT THERETO SHALL BE THE RESPONSIBILITY OF THE MANUFACTURER. MFR SHALL PROVIDE THE THE OWNER DRAWINGS DETAILING ALL COMPONENTS OF THE ASSEMBLY, INCLUDING CONNECTIONS, DESIGN LOADS, AND ALL OTHER PERTINENT DATA. MFR SHALL ALSO PROVIDE THE OWNER WITH A STATEMENT OF COMPLIANCE INDICATING THAT THE ANTENNA SUPPORTS HAVE BEEN DESIGNED IN ACCORDANCE WITH TIA/EIA-222-G STANDARDS. ALL SUBMISSIONS SHALL BEAR THE STAMP AND SIGNATURE OF A PROFESSIONAL ENGINEER REGISTERED IN THE STAT THE WORK IS BEING PERFORMED.

2 ANTENNA MOUNTING NOTES

1. VERIZON WILL COLOR CODE AND TAG THE COAX AT BOTH THE TOP OF THE TOWER AND INSIDE THE CELL SITE BUILDING AT THE CABLE ENTRY PART. THE MARKING SYSTEM WILL COMPRISE OF COLOR TAPE WITH A MINIMUM WIDTH OF 3/4 INCHES, 7 MIL. VINYL PLASTIC TAPE, SCOTCH 35 OR EQUIVALENT.
2. THE TAGGING WILL BE DONE WITH METAL "DOG" TAGS. A TAG WILL BE PLACED ON THE COAX AT THE ANTENNA AND ON THE COAX IN THE CELL SITE BUILDING. THE TAG WILL IDENTIFY THE ANTENNA NUMBER AND FUNCTION; TX, RX ETC.
3. THE ENTRY PORT ASSIGNMENT SHOULD BE FOLLOWED WHERE POSSIBLE. THIS STANDARD ASSUMES THAT THE ENTRY PORT CONSISTS OF THREE ROWS OF FOUR PORTS. WITH THE FIRST ROW BEING NUMBERED FROM 1-6 FROM LEFT TO RIGHT. THE SECOND ROW IS NUMBERED 7-12 (LEFT TO RIGHT) AND THE THIRD ROW IS 13-18 (LEFT TO RIGHT).
4. A SITE SPECIFIC COAX COLOR SHEET TO BE PROVIDED BY CELLULAR EQUIPMENT ENGINEER.

3 STANDARD ANTENNA COLOR CODES



4 ANTENNA CABLE SCHEMATIC

APPLICANT:
verizon
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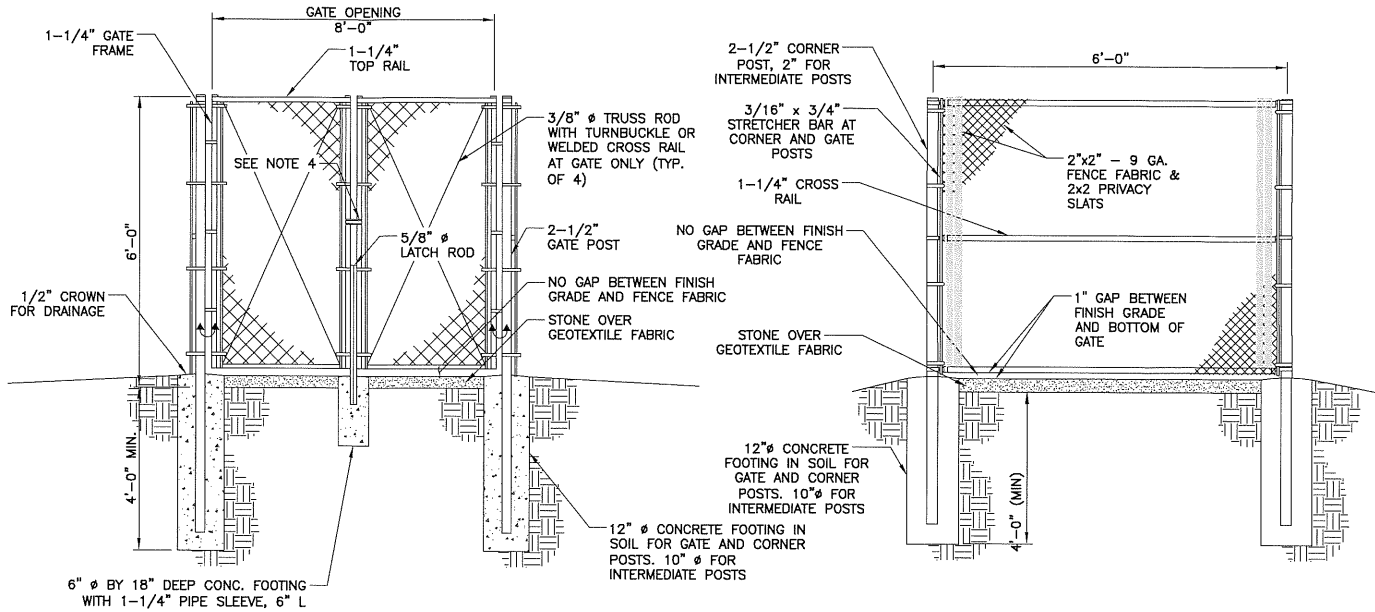
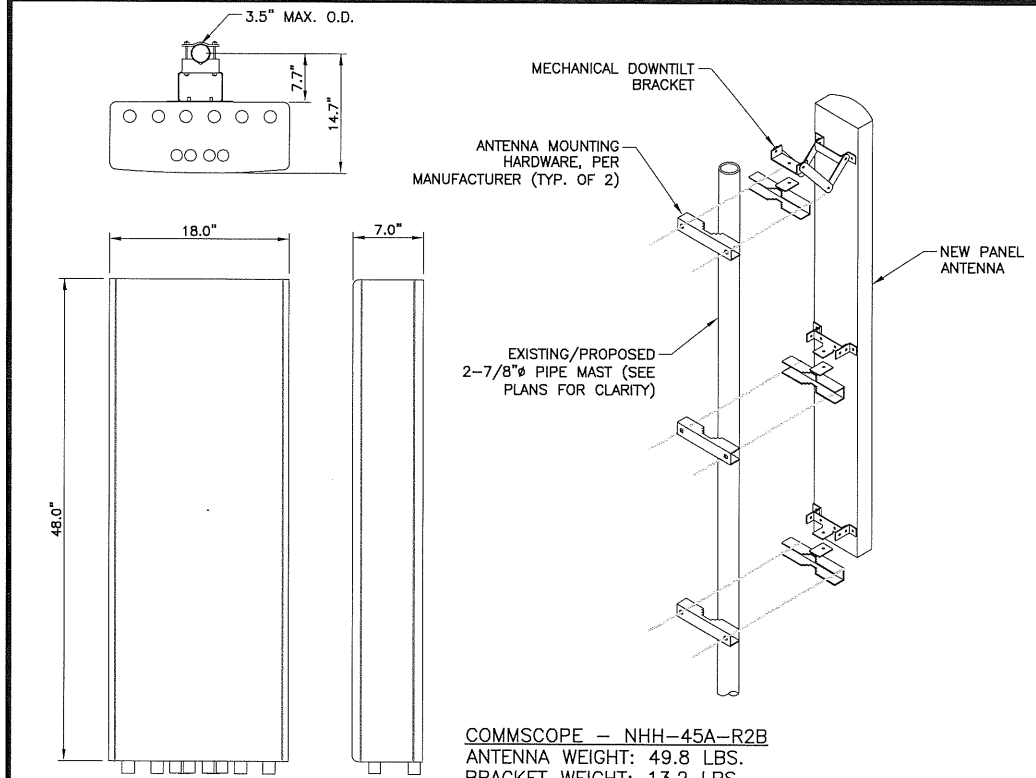
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PROJECT NO.: 20161509173
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BEACON, NY 12508
DUTCHESS COUNTY

SHEET TITLE:
POLE ELEVATION, DETAILS & NOTES

DRAWN BY: SM	SHEET NO: Z-3
CHECKED BY: AG	
DATE: 11/12/18	

1 POLE ELEVATION

SCALE: 1/8" = 1'-0"



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DETAILS & NOTES

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Z-4

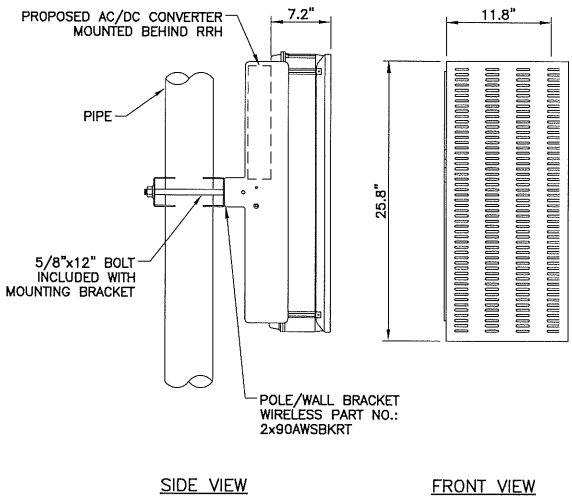
1 ANTENNA SPECIFICATION & ATTACHMENT DETAIL

2 NON-PENETRATING BALLAST MOUNT DETAILS

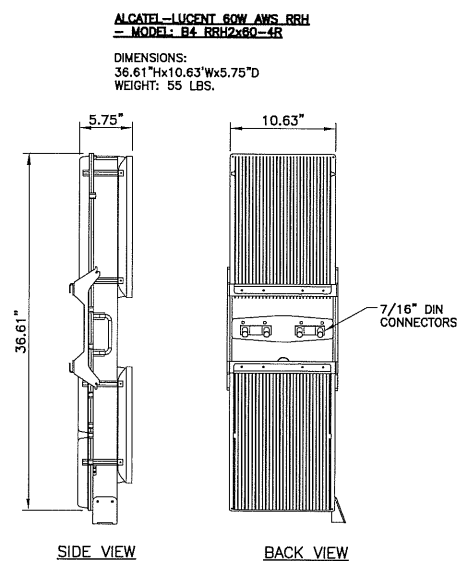
N.T.S.

GENERAL NOTES:

- ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE IN PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING THAT HE DOES HAVE SUFFICIENT EXPERIENCE AND ABILITY, THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS PROPERLY LICENSED, REGISTERED AND INSURED TO DO THIS WORK IN THE STATE AND/OR COUNTY IN WHICH IT IS TO BE PERFORMED.
- ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY VERIZON WIRELESS AND THE ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF THE MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK.
- ALL DIMENSIONS SHALL BE VERIFIED WITH THE PLANS (LATEST REVISION) PRIOR TO COMMENCING CONSTRUCTION. NOTIFY VERIZON WIRELESS IMMEDIATELY IF DISCREPANCIES ARE DISCOVERED.
- ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR ONE (1) YEAR FROM DATE OF ACCEPTANCE.

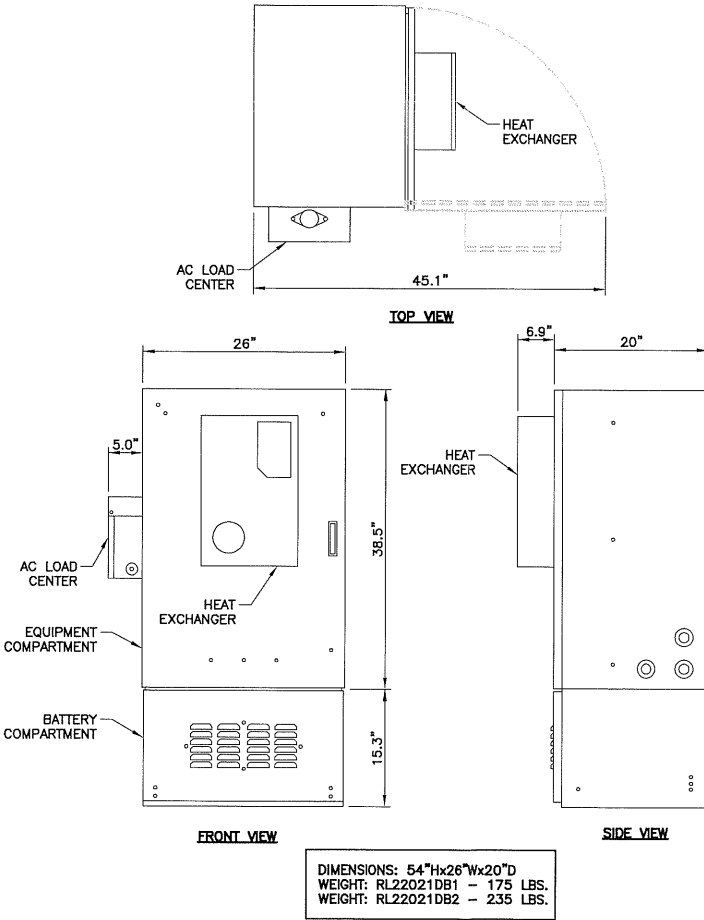


B66A RRH2x90-AWS
DIMENSIONS: 25.8"Hx11.8"Wx7.2"D
WEIGHT: 56.8 LBS. (WITH SOLAR SHIED)



5 RRH SPECIFICATION & ATTACHMENT DETAIL

N.T.S.



6 SMALL SITE SUPPORT CABINET DETAIL

N.T.S.

Short Environmental Assessment Form

Part 1 - Project Information

Instructions for Completing

Part 1 - Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

Part 1 - Project and Sponsor Information			
Orange County-Poughkeepsie Limited Partnership d/b/a Verizon Wireless			
Name of Action or Project: Howland Micro			
Project Location (describe, and attach a location map): 110 Howland Avenue, Beacon, Dutchess County, NY			
Brief Description of Proposed Action: Construct a proposed 52 foot wooden pole with two proposed antennas within a 102 square foot lease area for telecommunications equipment. Verizon Wireless proposes to utilize the existing paved access road. Utility conduits are to extend underground along the perimeter of the paved parking area for approximately 250 feet to an existing utility pole.			
Name of Applicant or Sponsor: Verizon Wireless		Telephone: E-Mail: kathy.pomponio@verizonwireless.com	
Address: 1275 John Street, Suite 100			
City/PO: West Henrietta		State: NY	Zip Code: 14586
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.		NO ☒	YES ☐
2. Does the proposed action require a permit, approval or funding from any other governmental Agency? If Yes, list agency(s) name and permit or approval:		NO ☒	YES ☐
3.a. Total acreage of the site of the proposed action?		4.359 acres	
b. Total acreage to be physically disturbed?		<1 acres	
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?		<1 acres	
4. Check all land uses that occur on, adjoining and near the proposed action. ☐ Urban ☐ Rural (non-agriculture) ☐ Industrial ☒ Commercial ☒ Residential (suburban) ☒ Forest ☐ Agriculture ☐ Aquatic ☐ Other (specify): _____ ☐ Parkland			

5. Is the proposed action, a. A permitted use under the zoning regulations?	NO ☐	YES ☒	N/A ☐
b. Consistent with the adopted comprehensive plan?	☐	☒	☐
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	NO ☐	YES ☒	
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area? If Yes, identify: _____	NO ☒	YES ☐	
8. a. Will the proposed action result in a substantial increase in traffic above present levels?	NO ☒	YES ☐	
b. Are public transportation service(s) available at or near the site of the proposed action?	☐	☒	
c. Are any pedestrian accommodations or bicycle routes available on or near site of the proposed action?	☐	☒	
9. Does the proposed action meet or exceed the state energy code requirements? If the proposed action will exceed requirements, describe design features and technologies: Minimal increase of energy _____	NO ☐	YES ☒	
10. Will the proposed action connect to an existing public/private water supply? If No, describe method for providing potable water: _____	NO ☒	YES ☐	
11. Will the proposed action connect to existing wastewater utilities? If No, describe method for providing wastewater treatment: _____	NO ☒	YES ☐	
12. a. Does the site contain a structure that is listed on either the State or National Register of Historic Places?	NO ☒	YES ☐	
b. Is the proposed action located in an archeological sensitive area?	☒	☐	
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?	NO ☒	YES ☐	
b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody? If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____	☒	☐	
14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply: ☐ Shoreline ☐ Forest ☐ Agricultural/grasslands ☐ Early mid-successional ☐ Wetland ☐ Urban ☒ Suburban			
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered?	NO ☒	YES ☐	
16. Is the project site located in the 100 year flood plain?	NO ☒	YES ☐	
17. Will the proposed action create storm water discharge, either from point or non-point sources? If Yes, a. Will storm water discharges flow to adjacent properties? ☐ NO ☐ YES b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? If Yes, briefly describe: ☐ NO ☐ YES	NO ☒	YES ☐	

5. Is the proposed action, a. A permitted use under the zoning regulations?	NO ☐	YES ☐	N/A ☐
b. Consistent with the adopted comprehensive plan?	☐	☐	☐
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	NO ☐	YES ☐	
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area? If Yes, identify: _____	NO ☒	YES ☐	
8. a. Will the proposed action result in a substantial increase in traffic above present levels?	NO ☐	YES ☐	
b. Are public transportation service(s) available at or near the site of the proposed action?	☐	☐	
c. Are any pedestrian accommodations or bicycle routes available on or near site of the proposed action?	☐	☐	
9. Does the proposed action meet or exceed the state energy code requirements? If the proposed action will exceed requirements, describe design features and technologies: _____	NO ☐	YES ☐	
10. Will the proposed action connect to an existing public/private water supply? If No, describe method for providing potable water: _____	NO ☐	YES ☐	
11. Will the proposed action connect to existing wastewater utilities? If No, describe method for providing wastewater treatment: _____	NO ☐	YES ☐	
12. a. Does the site contain a structure that is listed on either the State or National Register of Historic Places?	NO ☒	YES ☐	
b. Is the proposed action located in an archeological sensitive area?	☐	☒	
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?	NO ☐	YES ☒	
b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody? If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____	☐	☐	
14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply: ☐ Shoreline ☐ Forest ☐ Agricultural/grasslands ☐ Early mid-successional ☐ Wetland ☐ Urban ☐ Suburban			
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered?	NO ☒	YES ☐	
16. Is the project site located in the 100 year flood plain?	NO ☒	YES ☐	
17. Will the proposed action create storm water discharge, either from point or non-point sources? If Yes, a. Will storm water discharges flow to adjacent properties? ☐ NO ☐ YES b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? If Yes, briefly describe: _____	NO ☐	YES ☐	

18. Does the proposed action include construction or other activities that result in the impoundment of water or other liquids (e.g. retention pond, waste lagoon, dam)? If Yes, explain purpose and size: _____ _____ _____	NO	YES
	☒	☐
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility? If Yes, describe: _____ _____ _____	NO	YES
	☒	☐
20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? If Yes, describe: _____ _____ _____	NO	YES
	☒	☐
I AFFIRM THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE		
Applicant/sponsor name: <u>Verizon Wireless</u> Date: <u>November 13, 2018</u> Signature: <u>Elaine Langer</u>		

18. Does the proposed action include construction or other activities that result in the impoundment of water or other liquids (e.g. retention pond, waste lagoon, dam)? If Yes, explain purpose and size: _____ _____ _____	NO ☐	YES ☐
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility? If Yes, describe: _____ _____ _____	NO ☐	YES ☐
20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? If Yes, describe: _____ _____ _____	NO ☒	YES ☐
I AFFIRM THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE Applicant/sponsor name: _____ Date: _____ Signature: _____		



Disclaimer: The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.



Part 1 / Question 7 [Critical Environmental Area]	No
Part 1 / Question 12a [National Register of Historic Places]	No
Part 1 / Question 12b [Archeological Sites]	Yes
Part 1 / Question 13a [Wetlands or Other Regulated Waterbodies]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
Part 1 / Question 15 [Threatened or Endangered Animal]	No
Part 1 / Question 16 [100 Year Flood Plain]	No
Part 1 / Question 20 [Remediation Site]	No

verizon[✓]
Network Engineering
1275 John Street
West Henrietta, New York 14586

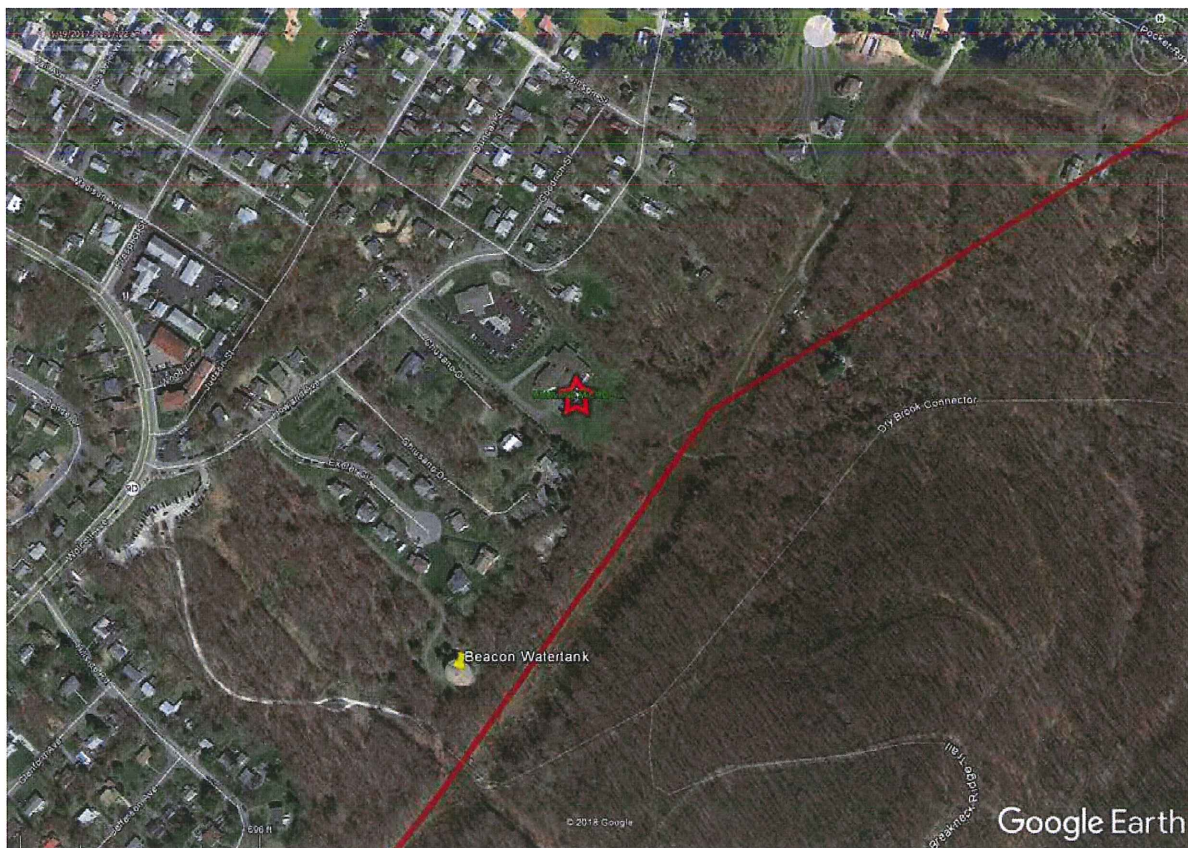
January 22, 2019

Scott Olson, Esq.
Young / Sommer llc
ATTORNEYS AT LAW
Five Palisades Drive, Albany, NY 12205

RE: Howland Application, Municipal Water Tank

A question was posed as to whether or not Verizon may be able to move the proposed installation to an alternate water tank location off Howland Ave near the Breakneck Ridge Trail.

The proposed Howland installation (red star in map below) and the Beacon Water Tank location (yellow pin) discussed are shown below:

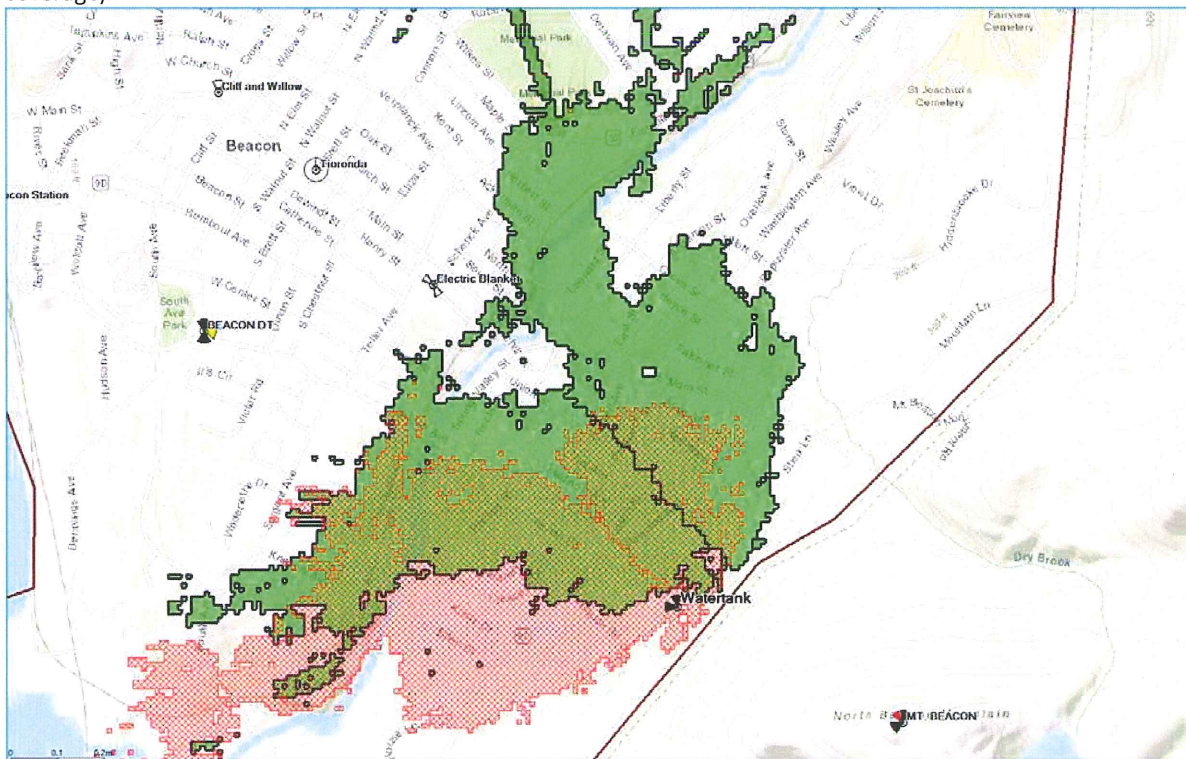


We have been aware of this water tank location and have reviewed it prior to and during the process of developing the proposed Howland site. This location has been deemed not of similar RF value for multiple reasons. It is critical to understand how the actual physical location of the Beacon Water Tank has much of its potential view-shed blocked by local obstructions. Additionally the water tank structure itself is lower in available ACL and approximately 800' south of the desired location and search area. For the purpose of comparison we have utilized the exact same pole and antenna configuration at each location.

The Beacon Water Tank location fails to achieve the Howland site objectives for the following reasons and is therefore RF Rejected:

1. Too low of position relative to its local obstructions. The water tank location compared to the proposed Howland location suffers from unacceptable signal degradation to the north due to far field (view) blocked by dense localized clutter. The dominant footprint that is necessary to offload the existing sites is not possible from this location due to being blocked by terrain and foliage. Having a clear line of sight (LOS) to area objectives is critical when designing new micro sites at cellular frequencies.
2. Poor positioning relative to some area objectives as well as other sites. The water tank is approximately 800' south of the identified search ring. This distance combined with the above mentioned obstructions further limit this locations ability to serve the necessary objectives and provide the necessary capacity offload detailed in the RF Justification.

The image below helps visualize the difference in coverage between the proposed Howland site (Green coverage footprint) and the Beacon Water Tank (Red hashed coverage footprint). Small cell facilities are designed to have smaller coverage footprints and therefore even a slight relocation of the site can significantly alter site performance. As can be seen in the plot below...the water tank site would not serve the intended area (~50% less coverage).



The proposed Howland micro is centrally located to the necessary coverage and capacity improvement area offering an uncluttered view of the coverage objectives. The Beacon Water Tank is not located such that it provides value as an alternate existing (co-locatable) structure due to extensive portions of its potential view shed being blocked by local area terrain and foliage. These obstructions prevent this location from providing the necessary coverage and capacity relief. The Beacon Water Tank is RF rejected due to failing to provide adequate relief with required initiatives.

Very truly yours,

Michael R. Crosby

Michael R. Crosby
Engineer IV – RF Design
Verizon Wireless

Existing Utility line





Howland Micro
110 Howland Avenue
Beacon, New York 12508

KEY
MAP
9165.43

Tectonic
PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.



Looking northeast from 110 Howland Avenue.
Proposed installation will be visible from this location.

Distance from the photographic location to the proposed site is 150'±



Looking northeast from 110 Howland Avenue.
Proposed installation is visible from this location.

Distance from the photographic location to the proposed site is 150'±



Looking southeast from 109 Howland Avenue.
Proposed installation will be visible from this location.

Distance from the photographic location to the proposed site is 500'±

Tectonic
PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.

P-2

9165.43



Looking southeast from 109 Howland Avenue.
Proposed installation is visible from this location.

Distance from the photographic location to the proposed site is 500'±



Looking southeast from the intersection of Howland Avenue & Goodrich Street.
Proposed installation will be visible from this location.

P-3

Distance from the photographic location to the proposed site is 450'±

9165.43



Looking southeast from the intersection of Howland Avenue & Goodrich Street.
Proposed installation is visible from this location.

Distance from the photographic location to the proposed site is 450'±