



April 15, 2022

Mr. John Ewasutyn, Chairman and
Members of the Town of Newburgh Planning Board
21 Hudson Valley Professional Plaza
Newburgh, New York 12550

Re: T-Mobile
Review of 5-Year Recertification of Special Use Permit
120 Valley View Drive Tower

Dear Mr. Ewasutyn and Members of the Planning Board:

HDR received a copy of T-Mobile's five-year Special Use Permit recertification application, dated March 2, 2022, for the above-referenced site. The site is comprised of a 148-ft tall lattice tower owned by Crown Castle and accommodates a T-Mobile cell site. Other wireless carrier facilities (Verizon and Sprint) are also co-located at the tower site. The T-Mobile facility includes panel antennas at a centerline height of 120 ft above grade level (agl) and other equipment within a dedicated ground-based area located within a fenced compound at the base of the tower. The existing tower is located off of Valley View Drive, west of Route 87, in a R1-Residential zoning district.

This recertification application includes the items of Section 168-18 and 168-23 of the Town Code and confirms that there have been no changes to the T-Mobile facility since 2017 (when modifications were last completed). No modifications to T-Mobile's facility or operations are being proposed at this time.

As background, T-Mobile received Special Use Permit approval in 2006 (Planning Board Project # 05-48; Resolution dated February 16, 2006) to co-locate on the existing lattice tower. Since that time, T-Mobile has completed two 5-year recertifications:

- o 2010/2011
- o 2015 (HDR Memo submitted to the Planning Board)

In 2017, the applicant applied for a Building Permit to modify its facility including the addition of new panel antennas (increase from 6 to 9) and other tower-mounted equipment. The modifications were approved by the Town.

Recertification Filings

The March 2, 2022, application submittal, prepared by Snyder & Snyder, includes the following:

1. Cover letter, prepared by Snyder & Snyder, LLP, dated March 2, 2022.
2. Statement of Compliance, dated November 3, 2021.
3. Antenna Site FCC RF Compliance: On-Site Measurement Assessment and Report (RF Emissions report), prepared by Pinnacle Telecom Group, dated January 24, 2022.
4. Structural Re-Certification letter, prepared by French & Parrello Associates (a NYS P.E.), dated November 23, 2021.

Requirements for Recertification of Special Use Permit

In accordance with Chapter 168-18.A, the following items are required for Special Use Permit recertification, on a 5-year basis. HDR's review comments are included below in **red text**:

1. Submit a signed written request. **COMPLETED**
2. The name of the holder of the Special Use Permit for the wireless telecommunications facilities. **COMPLETED**
3. If applicable, the number or title of the Special Use Permit. **COMPLETED. HDR AND APPLICANT RESEARCHED PRIOR ACTIONS (NOTED ABOVE IN THIS MEMO) REGARDING THE T-MOBILE FACILITY AT 120 VALLEY VIEW DRIVE.**
 - February 16, 2006, Resolution of Approval for Amended Site Plan and Special Permit (Omnipoint Communications). Planning Board Project # 05-48. T-Mobile was formerly known as Omnipoint. This Resolution was for the applicant's initial co-location on the existing tower.
 - 2010 / 2011 – first 5-year Recertification. ** HDR could not locate information pertaining to this action.
 - 2015 – second 5-year Recertification. HDR conducted a review of this recertification application and submitted a memorandum to the Planning Board dated August 19, 2015.
 - 2017 – T-Mobile Modifications (non-substantial). Building Permit review. Increased panel antennas from 6 to 9. HDR submitted a Tech Memo for this proposed modification to the Code Compliance Department dated July 6, 2017. Building Permit issued July 7, 2017, and Certificate of Compliance issued October 16, 2017.
4. The date of the original granting of the Special Use Permit. **COMPLETED (see above).**
5. Whether the wireless telecommunications facilities have been moved, relocated, rebuilt or otherwise modified since the issuance of the Special Use Permit and, if so, in what manner. **COMPLETED. APPLICANT CONFIRMED NO MODIFICATIONS HAVE BEEN MADE SINCE THOSE APPROVED IN 2017.**
6. Any requests for waivers or relief of any kind whatsoever from the requirements of this chapter and any requirements for a special use permit. **N/A**
7. That the wireless telecommunications facilities are in compliance with the Special Use Permit and in compliance with all applicable codes, laws, rules and regulations.

COMPLETED. A SIGNED AND NOTARIZED STATEMENT OF COMPLIANCE WAS INCLUDED IN THE SUBMITTAL PACKAGE.

8. Recertification the telecommunications tower and attachments both are designed and constructed (as-built) and continue to meet all local, county, state and federal structural requirements for loads, including wind and ice loads. Such recertification shall be by a qualified New York State licensed professional engineer acceptable to the Town, the cost of which shall be borne by the applicant. **COMPLETED. A P.E. SIGNED/STAMPED STRUCTURAL RE-CERTIFICATION LETTER FOR THE T-MOBILE FACILITY WAS INCLUDED IN THE SUBMITTAL PACKAGE.**

An Annual NIER (RF emissions) certification is also required under 168-23. **COMPLETED. An RF Emissions report was submitted. Field readings were collected on January 21, 2022, with a maximum RF level measured at 1.75% of the FCC's General Population MPE limit at ground level (in compliance with the FCC's health-based criteria).**

Based on HDR's review of the submittals, the T-Mobile request meets the Town Code requirements for recertification. The Planning Board can thus entertain the issuance of a Recertification Special Use Permit (per Code Section 168-18.B).

Other Site Information

HDR has reviewed wireless facility co-location and upgrade applications at the tower site over the past several years, with both the Planning Board and Code Compliance Department. We are not aware of any violations or issues associated with the wireless carriers at the site. Presently, the tower accommodates T-Mobile, Verizon, and Sprint equipment. A merger between T-Mobile and Sprint has recently occurred; however, both networks are continuing to operate independently for the time being.

HDR is currently assisting the Code Compliance Department in reviewing two building permit applications at the Valley View Drive tower site: AT&T and DISH Wireless (proposed co-locations). This work will include thorough review of the tower owner's structural analyses, among other items.

It is understood that the tower owner / operator (Crown), the applicant, and the applicant's engineer maintain full responsibility (a) for the accuracy and adequacy of all aspects of the design and analyses provided to the Town, inclusive of the recertification submittals; (b) for the construction and maintenance/operation of the T-Mobile facility; and (c) for compliance with Section 168 criteria, including but not limited to the annual NIER certification (168-23).

LAW OFFICES OF
SNYDER & SNYDER, LLP
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TARRYTOWN, NEW YORK 10591

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NEWARK, NEW JERSEY 07102
(973) 824-9772
FAX (973) 824-9774

LESLIE J. SNYDER
ROBERT D. GAUDIOSO

WRITER'S E-MAIL ADDRESS

REPLY TO:

e-mail to Dkenny@snyderlaw.net

DAVID L. SNYDER
(1956-2012)

March 2, 2022

Tarrytown Office

By Overnight Delivery

Honorable Chairman John P. Ewasutyn
and Members of the Planning Board
Town of Newburgh
21 Hudson Valley Professional Plaza
Newburgh, New York 12550



Re: Request for Special Permit Renewal – T-Mobile
120 Valley View Drive,
Town of Newburgh ("Town")

Hon. Chairman Ewasutyn
and Members of the Planning Board:

PB-2022-04
04/21 AGENDA

We represent T-Mobile Northeast LLC in connection with T-Mobile's request to renew its special permit for its existing wireless telecommunications facility ("Existing Facility") located at the above referenced property.

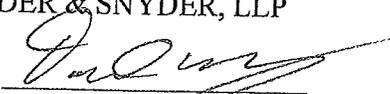
In furtherance of the foregoing, enclosed please find the following materials:

- 1) T-Mobile's Statement of Compliance;
- 2) FCC Compliance Report; and
- 3) Structural Certification/Site Inspection Report.

If you have any questions or require anything further, please do not hesitate to contact me. Thank you for your consideration.

Respectfully submitted,
SNYDER & SNYDER, LLP

By:


David J. Kenny

Enclosures

CC: Mike Muss, HDR – Town Wireless Consultant

Z:\SSDATA\WPDATA\SS3\RDG\T-Mobile\Newburgh\10-372\2021 Renewal\NY10372 SP Renewal Letter.docx



Corporate Office
1800 Route 34, Suite 101, Wall, New Jersey 07719

Regional Offices
King of Prussia, Pennsylvania
Bethlehem, Pennsylvania
Hackettstown, New Jersey
Camden, New Jersey
Newark, New Jersey
New York, New York
Atlanta, Georgia

November 23, 2021

Mr. Bret Norton

T-MOBILE NORTHEAST LLC

4 Sylvan Way
Parsippany, NJ 07054

RE: Structural Re-Certification
T-Mobile Site NY10372A
120 Valley View Drive
Newburgh, NY 12550
FPA No. 1316.017.002

Dear Mr. Norton:

As per your request, French & Parrello Associates (FPA) has performed a limited visual inspection of the existing wireless telecommunication facility at the above referenced location. The purpose of this inspection was to identify and inventory the existing T-Mobile antennas and related appurtenances and to verify the structural integrity of the supporting elements.

FPA visited the site on 10/27/2021 to conduct the visual inspection. The field information obtained was compared to the construction drawings prepared by Tectonic Engineering & Surveying Consultants last revised 04/19/2017. Based on the previous construction drawings, the T-Mobile installation was to consist of:

- (9) panel antennas (3 per sector) on steel mounting frames at 120' AGL
- (6) 1-5/8" coax cables and (3) 6x12 fiber cables mounted to the existing tower
- (1) 3106 equipment cabinet, (1) 6201 ODE equipment cabinet and (1) battery cabinet at grade

Based on our limited visual inspection, the current T-Mobile antenna and equipment configuration, mounting attachments, cable routing, and other related appurtenances generally conforms to the installation indicated in the referenced drawings listed above. The antenna models installed on the tower differ from the referenced drawings, but match those listed in the passing structural analysis report by Vertical Structures, Inc. dated 08/29/2018. The existing tower is painted, and the paint appears to be mostly intact. It shall be noted that the existing antennas and support structures were inspected from the ground. The existing equipment cabinets are installed on steel beams mounted on the concrete pad. The concrete slab on grade appears to be intact and in good condition.

In general, the overall condition of the T-Mobile telecommunication installation appears to be satisfactory and conforms to the latest construction drawings. We consider T-Mobile's installation to be in compliance with the original approved design as their equipment pad has not increased in size or been relocated. The antenna quantity also matches the approved plans.



It is our opinion that the facility has not been moved, relocated, or rebuilt, and is in compliance with the special use permit. It has been designed and constructed in accordance with and continues to meet all local, federal, state, and county structural requirements for loads, including wind and ice loads.

Photos were taken during our recent inspection and are attached for reference. The inspection as mentioned above was visual and was limited to T-Mobile's installation and the structural elements that were clearly visible and unobstructed to view on the day of the inspection.

Should you have any questions or comments, please do not hesitate to contact us.

Very truly yours,

FRENCH & PARRELLO ASSOCIATES



Peter J. Tardy, PE, Senior Vice President
NY Professional Engineering License No. 079612

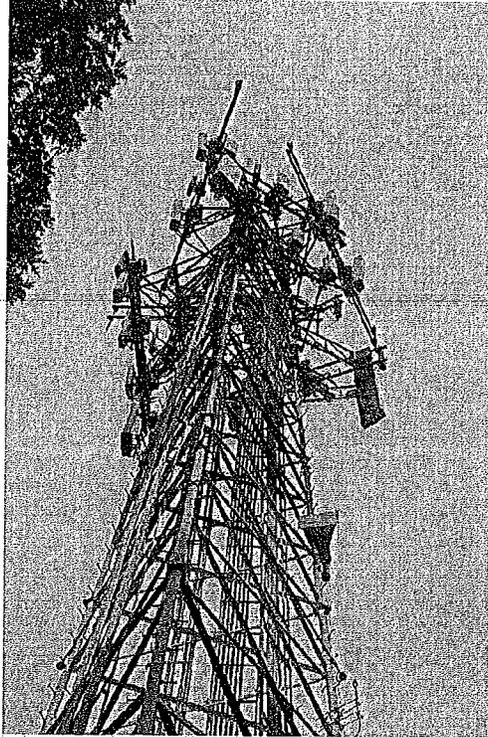


Photo 1: Overall Tower



Photo 2: T-Mobile Alpha Sector



Photo 3: T-Mobile Beta Sector

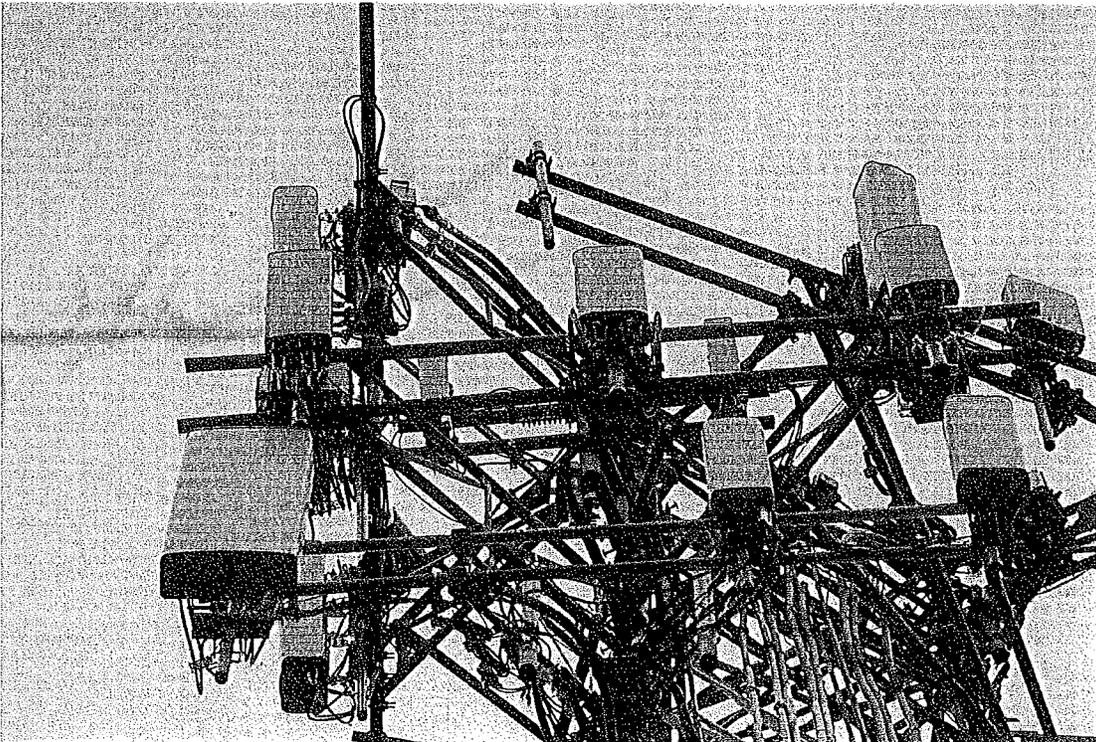


Photo 4: T-Mobile Gamma Sector

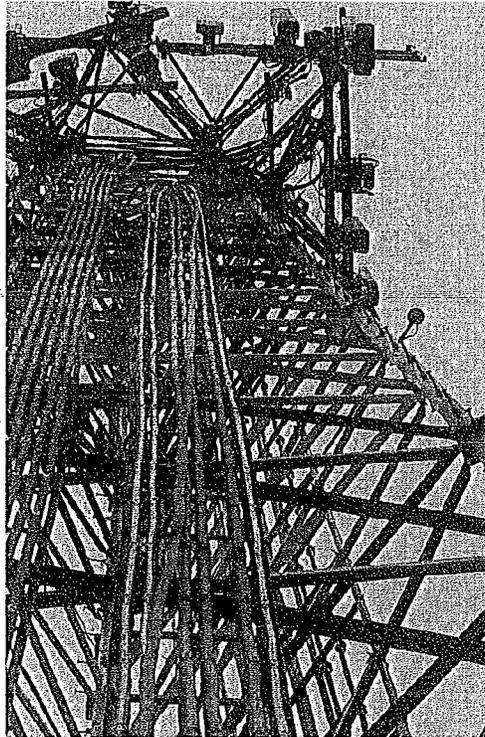


Photo 5: T-Mobile Cable Routing

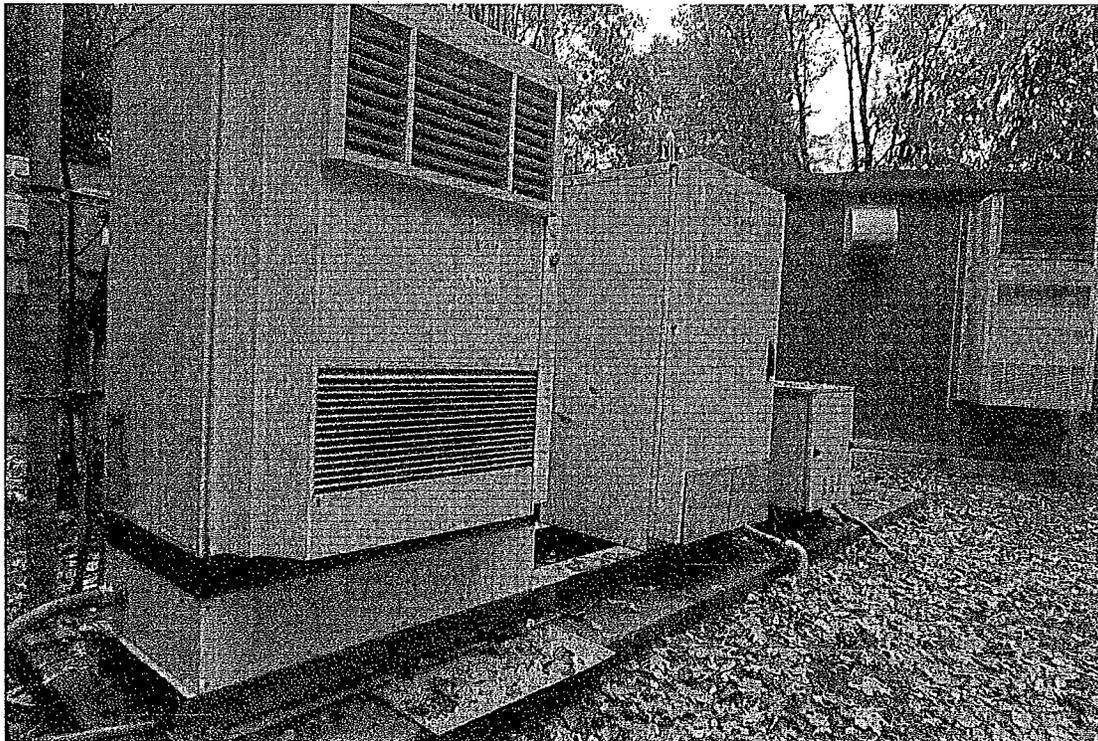
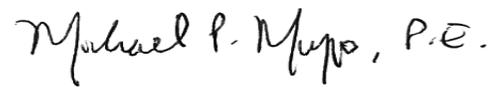


Photo 6: T-Mobile Equipment Area

Please let me know if I can provide you with any additional information.

Sincerely,

Henningson, Durham & Richardson
Architecture and Engineering, P.C.

A handwritten signature in black ink that reads "Michael P. Musso, P.E." The signature is written in a cursive style.

Michael P. Musso, P.E.
Senior Project Manager

cc: Gerald Canfield, Code Compliance Supervisor

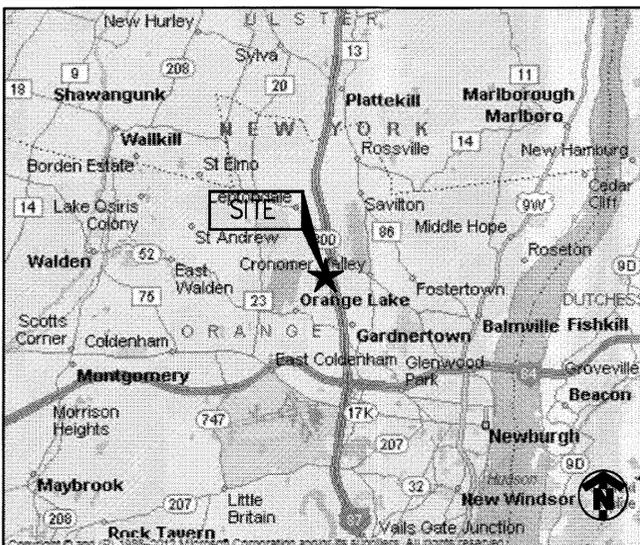
SHEET INDEX

NO.	DESCRIPTION
T1	TITLE SHEET
Z1	GENERAL NOTES
Z2	OVERALL SITE PLAN
Z2A	COMPOUND SITE PLAN & ELEVATION
Z3	EQUIPMENT SITE PLANS
Z4	EQUIPMENT DETAILS
Z5	ANTENNA PLANS
Z6	DETAILS
Z7	FIBER DISTRIBUTION BOX DETAILS
Z8	DETAILS
Z9	RESOLUTION CONDITIONS

DRIVING DIRECTIONS

- DEPART FROM SPRINT:
1 INTERNATIONAL BLVD MAHWAH, NJ 07430
- HEAD NORTHWEST ON INTERNATIONAL BLVD/PARK ST TOWARD QUEENSLAND RD. CONTINUE TO FOLLOW INTERNATIONAL BLVD.
 - CONTINUE ONTO PARK ST. TURN RIGHT ONTO PARK LN.
 - CONTINUE ONTO LEISURE LN. MERGE ONTO NJ-17 N.
 - TAKE THE NEW JERSEY 17 N/INTERSTATE 287 N EXIT ON THE LEFT TOWARD INTERSTATE 87/NORTH Y. THRUWAY.
 - KEEP LEFT AT THE FORK, FOLLOW SIGNS FOR I-287 N/I-87/NJ-17 N/N Y. THRUWAY AND MERGE ONTO I-287 N/NJ-17 N.
 - TAKE THE EXIT ON THE LEFT ONTO I-87 N/NY-17 N TOWARD ALBANY.
 - CONTINUE TO FOLLOW I-87 N. KEEP LEFT AT THE FORK TO STAY ON I-87 N.
 - TAKE EXIT 17 FOR INTERSTATE 84/NEW YORK 300/NEW YORK 17K TOWARD SCRANTON/NEWBURGH.
 - KEEP LEFT, FOLLOW SIGNS FOR INTERSTATE 84/NEW YORK 300/NEW YORK 17K. KEEP LEFT TO CONTINUE TOWARD NY-300 N/UNION AVE.
 - KEEP RIGHT TO CONTINUE TOWARD NY-300 N/UNION AVE.
 - KEEP LEFT AT THE FORK, FOLLOW SIGNS FOR INTERSTATE 84 W/STEWART AIRPORT/SCRANTON/NEW YORK 300/NEW YORK 17K/NEWBURGH.
 - KEEP RIGHT, FOLLOW SIGNS FOR NEW YORK 300/NEW YORK 17K/NEWBURGH.
 - CONTINUE ON NY-300 N. TAKE UNION AVE TO VALLEY VIEW DR.
 - TURN LEFT ONTO NY-300 N/UNION AVE. CONTINUE TO FOLLOW NY-300 N.
 - TURN LEFT ONTO GARDNERTOWN RD. TAKE THE 1ST RIGHT ONTO UNION AVE.
 - TURN LEFT ONTO VALLEY VIEW DR. DESTINATION WILL BE ON THE RIGHT.

VICINITY MAP



NETWORK VISION MMBTS
& 2.5 EQUIPMENT LAUNCH
NEW YORK CENTRAL MARKET

SPRINT SITE NAME
NEWBURGH CENTRAL

SPRINT SITE NUMBER
AL81XC305

CROWN CASTLE BU #
807196

SITE ADDRESS
VALLEY VIEW DR
NEWBURGH, NY 12550

STRUCTURE TYPE
SELF SUPPORT TOWER



UNDERGROUND SERVICE ALERT
CALL TOLL FREE
1-800-922-4455

THREE WORKING DAYS BEFORE YOU DIG

PROJECT SUMMARY

SITE NAME:	NEWBURGH CENTRAL
SITE NO.:	AL81XC305
CROWN CASTLE BU NO.:	807196
SITE ADDRESS:	VALLEY VIEW DR NEWBURGH, NY 12550
COUNTY:	ORANGE COUNTY
SITE COORDINATES:	
LATITUDE:	41° 33' 4.8" N (NAD 83)
LONGITUDE:	74° 5' 1.1" W (NAD 83)
GROUND ELEV.:	±639' (AMSL)
S/B/L:	15-1-10
JURISDICTION:	TOWN OF NEWBURGH
ZONING:	R1-RESIDENTIAL
TELCO PROVIDER:	VERIZON - (855) 277-5195
FIBER PROVIDER:	AT&T - (800) 288-2020
LAND OWNER:	CROWN ATLANTIC COMPANY LLC 120 VALLEY VIEW DR NEWBURGH NY 12550
APPLICANT:	SPRINT 1 INTERNATIONAL BLVD. MAHWAH, NJ 07495
CONSTRUCTION MANAGER:	TBD
ENGINEER:	INFINIGY 1033 WATERVLJET SHAKER RD ALBANY, NY 12205 AJ DESANTIS - (518) 690-0790
CONTACT:	
BUILDING CODE:	NY BUILDING CODE UNIFORM BUILDING CODE BUILDING OFFICIALS & CODE ADMINISTRATORS UNIFORM MECHANICAL CODE UNIFORM PLUMBING CODE LOCAL BUILDING CODE CITY/COUNTY ORDINANCES
ELECTRICAL CODE:	NATIONAL ELECTRICAL CODE (LATEST EDITION)

INFINIGY
1033 Watervliet Shaker Rd
Albany, NY 12205
Office # (518) 690-0790
Fax # (518) 690-0793



UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF APPLICABLE STATE AND/OR LOCAL LAWS

1	ADD CONDITIONS OF APPL.	AJD	7/27/15
0	ISSUED FOR REVIEW	JLM	4/28/15
No.	Submittal / Revision	App'd	Date
Drawn:	JLM	Date:	4/28/15
Designed:	AJD	Date:	4/28/15
Checked:	AJD	Date:	4/28/15

Project Number: 353-000
Project Title: NEWBURGH CENTRAL AL81XC305
VALLEY VIEW DR NEWBURGH, NY 12550

PROJECT TEAM



1 INTERNATIONAL BLVD.
MAHWAH, NJ 07495

CUSTOMER



2000 CORPORATE DRIVE
CANONSBURG, PA 15317



1033 Watervliet Shaker Rd
Albany, NY 12205
OFFICE #: (518) 690-0790
FAX #: (518) 690-0793

ENGINEER

SCOPE OF WORK:

- HANDICAP ACCESS REQUIREMENTS ARE NOT REQUIRED
- FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
- FACILITY HAS NO PLUMBING OR REFRIGERANTS
- THIS FACILITY SHALL MEET OR EXCEED ALL FAA AND FCC REGULATORY REQUIREMENTS
- ALL NEW MATERIAL SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR UNLESS NOTED OTHERWISE. CABINETS, ANTENNAS/RRU AND CABLES FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR
- INSTALL (9) NEW ANTENNAS & RRU'S ON EXISTING TOWER
- INSTALL NEW N.V. BTS CABINET TO REPLACE EXISTING
- REMOVE EXISTING CDMA ANTENNAS AND COAX CABLES
- INSTALL NEW BATTERY TO REPLACE EXISTING CABINET
- REPLACE EXISTING GPS IF REQUIRED
- INSTALL (27) JUMPER CABLES
- INSTALL (1) FIBER CABLE & (3) HYBRIFLEX CABLES

ENGINEER'S LICENSE

CERTIFICATION STATEMENT:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NEW YORK.

LICENSED ENGINEER - STATE OF NEW YORK

SITE PLAN APPROVED
Planning Board, Town of Newburgh
Orange County, New York

[Signature]
7/31/2015



Drawing Scale: AS NOTED

Date: 7/27/15

Drawing Title

TITLE SHEET

Drawing Number

T1

APPROVALS

SPRINT MANAGER		DATE
SPRINT RF		DATE
LEASING/SITE ACQ.		DATE
IN-MARKET CONSTRUCTION LEAD		DATE
SITE OWNER	NAME/COMPANY: TITLE:	DATE

GENERAL NOTES

PART 1 – GENERAL REQUIREMENTS

- 1.1 THE WORK SHALL COMPLY WITH APPLICABLE NATIONAL CODES AND STANDARDS, LATEST EDITION, AND PORTIONS THEREOF, INCLUDED BUT NOT LIMITED TO THE FOLLOWING:
 - A. GR-63-CORE NEBS REQUIREMENTS: PHYSICAL PROTECTION
 - B. GR-78-CORE GENERIC REQUIREMENTS FOR THE PHYSICAL DESIGN AND MANUFACTURE OF TELECOMMUNICATIONS EQUIPMENT.
 - C. NATIONAL FIRE PROTECTION ASSOCIATION CODES AND STANDARDS (NFPA) INCLUDING NFPA 70 (NATIONAL ELECTRICAL CODE – "NEC").
 - D. AND NFPA 101 (LIFE SAFETY CODE).
 - E. AMERICAN SOCIETY FOR TESTING OF MATERIALS (ASTM).
 - F. INSTITUTE OF ELECTRONIC AND ELECTRICAL ENGINEERS (IEEE).
- 1.2 DEFINITIONS:
 - A: WORK: THE SUM OF TASKS AND RESPONSIBILITIES IDENTIFIED IN THE CONTRACT DOCUMENTS.
 - B: COMPANY: SPRINT NEXTEL CORPORATION
 - C. ENGINEER: SYNONYMOUS WITH ARCHITECT & ENGINEER AND "A&E", THE DESIGN PROFESSIONAL HAVING PROFESSIONAL RESPONSIBILITY FOR DESIGN OF THE PROJECT.
 - D: CONTRACTOR: CONSTRUCTION CONTRACTOR; CONSTRUCTION VENDOR; INDIVIDUAL OR ENTITY WHO AFTER EXECUTION OF A CONTRACT IS BOUND TO ACCOMPLISH THE WORK.
 - E: THIRD PARTY VENDOR OR AGENCY: A VENDOR OR AGENCY ENGAGED SEPARATELY BY THE COMPANY, A&E, OR CONTRACTOR TO PROVIDE MATERIALS OR TO ACCOMPLISH SPECIFIC TASKS RELATED TO BUT NOT INCLUDED IN THE WORK.
- 1.3 POINT OF CONTACT: COMMUNICATION BETWEEN THE COMPANY AND THE CONTRACTOR SHALL FLOW THROUGH THE SINGLE COMPANY SITE DEVELOPMENT SPECIALIST OR OTHER PROJECT COORDINATOR APPOINTED TO MANAGE THE PROJECT FOR THE COMPANY.
- 1.4 ON-SITE SUPERVISION: THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL EMPLOY A COMPETENT SUPERINTENDENT WHO SHALL BE IN ATTENDANCE AT THE SITE AT ALL TIMES DURING PERFORMANCE OF THE WORK.
- 1.5 DRAWINGS, SPECIFICATIONS AND DETAILS REQUIRED AT JOBSITE: THE CONSTRUCTION CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS, STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES, AND THE STANDARD CONSTRUCTION SPECIFICATIONS FOR WIRELESS SITES AT THE JOBSITE FROM MOBILIZATION THROUGH CONSTRUCTION COMPLETION.
 - A. THE JOBSITE DRAWINGS, SPECIFICATIONS AND DETAILS SHALL BE CLEARLY MARKED DAILY IN PENCIL WITH ANY CHANGES IN CONSTRUCTION OVER WHAT IS DEPICTED IN THE DOCUMENTS. AT CONSTRUCTION COMPLETION, THIS JOBSITE MARKUP SET SHALL BE DELIVERED TO THE COMPANY OR COMPANY'S DESIGNATED REPRESENTATIVE TO BE FORWARDED TO THE COMPANY'S A&E VENDOR FOR PRODUCTION OF "AS-BUILT" DRAWINGS.
- 1.6 USE OF JOB SITE: THE CONTRACTOR SHALL CONFINE ALL CONSTRUCTION AND RELATED OPERATIONS INCLUDING STAGING AND STORAGE OF MATERIALS AND EQUIPMENT, PARKING, TEMPORARY FACILITIES, AND WASTE STORAGE TO THE LEASE PARCEL UNLESS OTHERWISE PERMITTED BY THE CONTRACT DOCUMENTS.
- 1.7 NOTICE TO PROCEED:
 - A. NO WORK SHALL COMMENCE PRIOR TO COMPANY'S WRITTEN NOTICE TO PROCEED.
 - B. UPON RECEIVING NOTICE TO PROCEED, CONTRACTOR SHALL FULLY PERFORM ALL WORK NECESSARY TO PROVIDE SPRINT NEXTEL WITH AN OPERATIONAL WIRELESS FACILITY.

PART 2 – EXECUTION

- 2.1 TEMPORARY UTILITIES AND FACILITIES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY UTILITIES AND FACILITIES NECESSARY EXCEPT AS OTHERWISE INDICATED IN THE CONSTRUCTION DOCUMENTS. TEMPORARY UTILITIES AND FACILITIES INCLUDE, POTABLE WATER, HEAT, HVAC, ELECTRICITY, SANITARY FACILITIES, WASTE DISPOSAL FACILITIES, AND TELEPHONE/COMMUNICATION SERVICES. PROVIDE TEMPORARY UTILITIES AND FACILITIES IN ACCORDANCE WITH OSHA AND THE AUTHORITY HAVING JURISDICTION. CONTRACTOR MAY UTILIZE THE COMPANY ELECTRICAL SERVICE IN THE COMPLETION OF THE WORK WHEN IT BECOMES AVAILABLE. USE OF THE LESSORS OR SITE OWNER'S UTILITIES OR FACILITIES IS EXPRESSLY FORBIDDEN EXCEPT AS OTHERWISE ALLOWED IN THE CONTRACT DOCUMENTS.
- 2.2 ACCESS TO WORK: THE CONTRACTOR SHALL PROVIDE ACCESS TO THE JOB SITE FOR AUTHORIZED COMPANY PERSONNEL AND AUTHORIZED REPRESENTATIVES OF THE ARCHITECT/ENGINEER DURING ALL PHASES OF THE WORK.
- 2.3 TESTING: REQUIREMENTS FOR TESTING BY THIS CONTRACTOR SHALL BE AS INDICATED HERewith, ON THE CONSTRUCTION DRAWINGS, AND IN THE INDIVIDUAL SECTIONS OF THESE SPECIFICATIONS. SHOULD COMPANY CHOOSE TO ENGAGE ANY THIRD-PARTY TO CONDUCT ADDITIONAL TESTING, THE CONTRACTOR SHALL COOPERATE WITH AND PROVIDE A WORK AREA FOR COMPANY'S TEST AGENCY.

- 2.4 COMPANY FURNISHED MATERIAL AND EQUIPMENT: ALL HANDLING, STORAGE AND INSTALLATION OF COMPANY FURNISHED MATERIAL AND EQUIPMENT SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
 - A. CONTRACTOR SHALL PROCURE ALL OTHER REQUIRED WORK RELATED MATERIALS NOT PROVIDED BY SPRINT NEXTEL TO SUCCESSFULLY CONSTRUCT A WIRELESS FACILITY.
- 2.5 DIMENSIONS: VERIFY DIMENSIONS INDICATED ON DRAWINGS WITH FIELD DIMENSIONS BEFORE FABRICATION OR ORDERING OF MATERIALS. DO NOT SCALE DRAWINGS.
- 2.6 EXISTING CONDITIONS: NOTIFY THE COMPANY REPRESENTATIVE OF EXISTING CONDITIONS DIFFERING FROM THOSE INDICATED ON THE DRAWINGS. DO NOT REMOVE OR ALTER STRUCTURAL COMPONENTS WITHOUT PRIOR WRITTEN APPROVAL FROM THE ARCHITECT AND ENGINEER.

PART 3 – RECEIPT OF MATERIAL & EQUIPMENT

- 3.1 RECEIPT OF MATERIAL AND EQUIPMENT: CONTRACTOR IS RESPONSIBLE FOR SPRINT NEXTEL PROVIDED MATERIAL AND EQUIPMENT AND UPON RECEIPT SHALL:
 - A. ACCEPT DELIVERIES AS SHIPPED AND TAKE RECEIPT.
 - B. VERIFY COMPLETENESS AND CONDITION OF ALL DELIVERIES.
 - C. TAKE RESPONSIBILITY FOR EQUIPMENT AND PROVIDE INSURANCE PROTECTION AS REQUIRED IN AGREEMENT.
 - D. RECORD ANY DEFECTS OR DAMAGES AND WITHIN TWENTY-FOUR HOURS AFTER RECEIPT, REPORT TO SPRINT NEXTEL OR ITS DESIGNATED PROJECT REPRESENTATIVE OF SUCH.
 - E. PROVIDE SECURE AND NECESSARY WEATHER PROTECTED WAREHOUSING.
 - F. COORDINATE SAFE AND SECURE TRANSPORTATION OF MATERIAL AND EQUIPMENT, DELIVERING AND OFF-LOADING FROM CONTRACTOR'S WAREHOUSE TO SITE.

PART 4 – GENERAL REQUIREMENTS FOR CONSTRUCTION

- 4.1 CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH. AT THE COMPLETION OF THE WORK, CONTRACTOR SHALL REMOVE FROM THE SITE ALL REMAINING RUBBISH, IMPLEMENTS, TEMPORARY FACILITIES, AND SURPLUS MATERIALS.
- 4.2 EQUIPMENT ROOMS SHALL AT ALL TIMES BE MAINTAINED "BROOM CLEAN" AND CLEAR OF DEBRIS.
- 4.3 CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO DISCOVER AND LOCATE ANY HAZARDOUS CONDITION.
 - A. IN THE EVENT CONTRACTOR ENCOUNTERS ANY HAZARDOUS CONDITION WHICH HAS NOT BEEN ABATED OR OTHERWISE MITIGATED, CONTRACTOR AND ALL OTHER PERSONS SHALL IMMEDIATELY STOP WORK IN THE AFFECTED AREA AND NOTIFY COMPANY IN WRITING. THE WORK IN THE AFFECTED AREA SHALL NOT BE RESUMED EXCEPT BY WRITTEN NOTIFICATION BY COMPANY.
 - B. CONTRACTOR AGREES TO USE CARE WHILE ON THE SITE AND SHALL NOT TAKE ANY ACTION THAT WILL OR MAY RESULT IN OR CAUSE THE HAZARDOUS CONDITION TO BE FURTHER RELEASED IN THE ENVIRONMENT, OR TO FURTHER EXPOSE INDIVIDUALS TO THE HAZARD.
- 4.4 CONTRACTOR'S ACTIVITIES SHALL BE RESTRICTED TO THE PROJECT LIMITS. SHOULD AREAS OUTSIDE THE PROJECT LIMITS BE AFFECTED BY CONTRACTOR'S ACTIVITIES, CONTRACTOR SHALL IMMEDIATELY RETURN THEM TO ORIGINAL CONDITION.
- 4.5 CONDUCT TESTING AS REQUIRED HEREIN.

PART 5 – TESTS AND INSPECTIONS

- 5.1 TESTS AND INSPECTIONS:
 - A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION TESTS, INSPECTIONS AND PROJECT DOCUMENTATION.
 - B. CONTRACTOR SHALL COORDINATE TEST AND INSPECTION SCHEDULES WITH COMPANY'S REPRESENTATIVE WHO MUST BE ON SITE TO WITNESS SUCH TESTS AND INSPECTIONS.
 - C. WHEN THE USE OF A THIRD PARTY INDEPENDENT TESTING AGENCY IS REQUIRED, THE AGENCY THAT IS SELECTED MUST PERFORM SUCH WORK ON A REGULAR BASIS IN THE STATE WHERE THE PROJECT IS LOCATED AND HAVE A THOROUGH UNDERSTANDING OF LOCAL AVAILABLE MATERIALS, INCLUDING THE SOIL, ROCK, AND GROUNDWATER CONDITIONS.
 - D. THE THIRD PARTY TESTING AGENCY IS TO BE FAMILIAR WITH THE APPLICABLE REQUIREMENTS FOR THE TESTS TO BE DONE, EQUIPMENT TO BE USED, AND ASSOCIATED HEALTH AND SAFETY ISSUES.
 - E. SITE RESISTANCE TO EARTH TESTING PER EXHIBIT: CELL SITE GROUNDING SYSTEM DESIGN.
 - F. ANTENNA AND COAX SWEEP TESTS PER EXHIBIT: ANTENNA TRANSMISSION LINE ACCEPTANCE STANDARDS. HYBRIFLEX TESTING NOT LIMITED TO COAX SWEEPS.
 - G. ALL OTHER TESTS REQUIRED BY COMPANY OR JURISDICTION.

PART 6 – TRENCHING AND BACKFILLING

- 6.1 TRENCHING AND BACKFILLING: THE CONTRACTOR SHALL PERFORM ALL EXCAVATION OF EVERY DESCRIPTION AND OF WHATEVER SUBSTANCES ENCOUNTERED, TO THE DEPTHS INDICATED ON THE CONSTRUCTION DRAWINGS OR AS OTHERWISE SPECIFIED.
 - A. PROTECTION OF EXISTING UTILITIES: THE CONTRACTOR SHALL CHECK WITH THE LOCAL UTILITIES AND THE RESPECTIVE UTILITY LOCATOR COMPANIES PRIOR TO STARTING EXCAVATION OPERATIONS IN EACH RESPECTIVE AREA TO ASCERTAIN THE LOCATIONS OF KNOWN UTILITY LINES. THE LOCATIONS, NUMBER AND TYPES OF EXISTING UTILITY LINES DETAILED ON THE CONSTRUCTION DRAWINGS ARE APPROXIMATE AND DO NOT REPRESENT EXACT INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ALL LINES DAMAGED DURING EXCAVATION AND ALL ASSOCIATED OPERATIONS. ALL UTILITY LINES UNCOVERED DURING THE EXCAVATION OPERATIONS, SHALL BE PROTECTED FROM DAMAGE DURING EXCAVATION AND ASSOCIATED OPERATIONS. ALL REPAIRS SHALL BE APPROVED BY THE UTILITY COMPANY.
 - B. HAND DIGGING: UNLESS APPROVED IN WRITING OTHERWISE, ALL DIGGING WITHIN AN EXISTING CELL SITE COMPOUND IS TO BE DONE BY HAND.
 - C. DURING EXCAVATION, MATERIAL SUITABLE FOR BACKFILLING SHALL BE STOCKPILED IN AN ORDERLY MANNER A SUFFICIENT DISTANCE FROM THE BANKS OF THE TRENCH TO AVOID OVERLOADING AND TO PREVENT SLIDES OR CAVE-INS. ALL EXCAVATED MATERIALS NOT REQUIRED OR SUITABLE FOR BACKFILL SHALL BE REMOVED AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
 - D. GRADING SHALL BE DONE AS MAY BE NECESSARY TO PREVENT SURFACE WATER FROM FLOWING INTO TRENCHES OR OTHER EXCAVATIONS, AND ANY WATER ACCUMULATING THEREIN SHALL BE REMOVED BY PUMPING OR BY OTHER APPROVED METHOD.
 - E. SHEETING AND SHORING SHALL BE DONE AS NECESSARY FOR THE PROTECTION OF THE WORK AND FOR THE SAFETY OF PERSONNEL. UNLESS OTHERWISE INDICATED, EXCAVATION SHALL BE BY OPEN CUT, EXCEPT THAT SHORT SECTIONS OF A TRENCH MAY BE TUNNELED IF, THE CONDUIT CAN BE SAFELY AND PROPERLY INSTALLED AND BACKFILL CAN BE PROPERLY TAMPED IN SUCH TUNNEL SECTIONS. EARTH EXCAVATION SHALL COMPRISE ALL MATERIALS AND SHALL INCLUDE CLAY, SILT, SAND, MUCK, GRAVEL, HARDPAN, LOOSE SHALE, AND LOOSE STONE.
 - F. TRENCHES SHALL BE OF NECESSARY WIDTH FOR THE PROPER LAYING OF THE CONDUIT OR CABLE, AND THE BANKS SHALL BE AS NEARLY VERTICAL AS PRACTICABLE. THE BOTTOM OF THE TRENCHES SHALL BE ACCURATELY GRADED TO PROVIDE UNIFORM BEARING AND SUPPORT FOR EACH SECTION OF THE CONDUIT OR CABLE ON UNDISTURBED SOIL AT EVERY POINT ALONG ITS ENTIRE LENGTH. EXCEPT WHERE ROCK IS ENCOUNTERED, CARE SHALL BE TAKEN NOT TO EXCAVATE BELOW THE DEPTHS INDICATED. WHERE ROCK EXCAVATIONS ARE NECESSARY, THE ROCK SHALL BE EXCAVATED TO A MINIMUM OVER DEPTH OF 6 INCHES BELOW THE TRENCH DEPTHS INDICATED ON THE CONSTRUCTION DRAWINGS OR SPECIFIED. OVER DEPTHS IN THE ROCK EXCAVATION AND UNAUTHORIZED OVER DEPTHS SHALL BE THOROUGHLY BACK FILLED AND TAMPED TO THE APPROPRIATE GRADE. WHENEVER WET OR OTHERWISE UNSTABLE SOIL THAT IS INCAPABLE OF PROPERLY SUPPORTING THE CONDUIT OR CABLE IS ENCOUNTERED IN THE BOTTOM OF THE TRENCH, SUCH SOLID SHALL BE REMOVED TO A MINIMUM OVER DEPTH OF 6 INCHES AND THE TRENCH BACKFILLED TO THE PROPER GRADE WITH EARTH OF OTHER SUITABLE MATERIAL, AS HERINAFTER SPECIFIED.
 - G. BACKFILLING OF TRENCHES. TRENCHES SHALL NOT BE BACKFILLED UNTIL ALL SPECIFIED TESTS HAVE BEEN PERFORMED AND ACCEPTED. WHERE COMPACTED BACKFILL IS NOT INDICATED THE TRENCHES SHALL BE CAREFULLY BACKFILLED WITH SELECT MATERIAL SUCH AS EXCAVATED SOILS THAT ARE FREE OF ICE, SNOW, ROOTS, SOD, RUBBISH OR STONES, DEPOSITED IN 6 INCH LAYERS AND THOROUGHLY AND CAREFULLY RAMMED UNTIL THE CONDUIT OR CABLE HAS A COVER OF NOT LESS THAN 1 FOOT. THE REMAINDER OF THE BACKFILL MATERIAL SHALL BE GRANULAR IN NATURE AND SHALL NOT CONTAIN ICE, SNOW ROOTS, SOD, RUBBISH, OR STONES OF 2-1/2 INCH MAXIMUM DIMENSION. BACKFILL SHALL BE CAREFULLY PLACED IN THE TRENCH AND IN 1 FOOT LAYERS AND EACH LAYER TAMPED. SETTling THE BACKFILL WITH WATER WILL BE PERMITTED. THE SURFACE SHALL BE GRADED TO A REASONABLE UNIFORMITY AND THE MOUNDING OVER THE TRENCHES LEFT IN A UNIFORM AND NEAT CONDITION.

PROJECT INFORMATION

THIS IS AN UNMANNED AND RESTRICTED ACCESS EQUIPMENT FACILITY AND WILL BE USED FOR THE TRANSMISSION OF RADIO SIGNALS FOR THE PURPOSE OF PROVIDING PUBLIC WIRELESS COMMUNICATIONS SERVICE.

NO POTABLE WATER SUPPLY IS TO BE PROVIDED AT THIS LOCATION.

NO WASTE WATER WILL BE GENERATED AT THIS LOCATION.

NO SOLID WASTE WILL BE GENERATED AT THIS LOCATION.

SPRINT MAINTENANCE CREW (TYPICALLY ONE PERSON) WILL MAKE AN AVERAGE OF ONE TRIP PER MONTH AT ONE HOUR PER VISIT.

LEGEND

SYMBOL	DESCRIPTION
	CIRCUIT BREAKER
	NON-FUSIBLE DISCONNECT SWITCH
	FUSIBLE DISCONNECT SWITCH
	SURFACE MOUNTED PANEL BOARD
	TRANSFORMER
	KILOWATT HOUR METER
	JUNCTION BOX
	PULL BOX TO NEC/TELCO STANDARDS
	UNDERGROUND UTILITIES
	DENOTES REFERENCE NOTE
	EXOTHERMIC WELD CONNECTION
	MECHANICAL CONNECTION
	GROUND ROD
	GROUND ROD WITH INSPECTION SLEEVE
	GROUND BAR
	PIN AND SLEEVE RECEPTACLE
	120AC DUPLEX RECEPTACLE
	GROUND CONDUCTOR
	REPRESENTS DETAIL NUMBER
	REF. DRAWING NUMBER

ABBREVIATIONS

CIGBE	COAX ISOLATED GROUND BAR EXTERNAL
MIGB	MASTER ISOLATED GROUND BAR
SST	SELF SUPPORTING TOWER
GPS	GLOBAL POSITIONING SYSTEM
TYP.	TYPICAL
DWG	DRAWING
BCW	BARE COPPER WIRE
BFG	BELOW FINISH GRADE
PVC	POLYVINYL CHLORIDE
CAB	CABINET
C	CONDUIT
SS	STAINLESS STEEL
G	GROUND
AWG	AMERICAN WIRE GAUGE
RGS	RIGID GALVANIZED STEEL
AHJ	AUTHORITY HAVING JURISDICTION
TTLNA	TOWER TOP LOW NOISE AMPLIFIER
UNO	UNLESS NOTED OTHERWISE
EMT	ELECTRICAL METALLIC TUBING
AGL	ABOVE GROUND LEVEL

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No.	ADD CONDITIONS OF APPL.	App'd	Date
1	ISSUED FOR REVIEW	JJM	7/27/15
0	ISSUED FOR REVIEW	JJM	4/28/15

Drawn: JJM Date: 4/28/15
Designed: AJD Date: 4/28/15
Checked: AJD Date: 4/28/15

Project Number 353-000

Project Title
**NEWBURGH
CENTRAL
AL81XC305**

VALLEY VIEW DR
NEWBURGH, NY 12550

Prepared For



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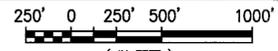
**GENERAL
NOTES**

Drawing Number

21



KEY MAP



(IN FEET)
SCALE: 24"x36" SHEET 1" = 500'-0"
SCALE: 11"x17" SHEET 1" = 1000'-0"

TABLE OF USE AND BULK REQUIREMENTS			
	REQUIRED	EXISTING	PROPOSED
LOT AREA (SQFT.)	N/A	±100,188 SQFT	NO CHANGE
LOT WIDTH (FT.)	N/A	±351'	NO CHANGE
LOT DEPTH (FT.)	N/A	±460'	NO CHANGE
FRONT YARD (FT.)	N/A	±28'	NO CHANGE
REAR YARD (FT.)	N/A	±117'	NO CHANGE
1 SIDE YARD (FT.)	N/A	±41'	NO CHANGE
BOTH SIDE YARDS (FT.)	N/A	±301'	NO CHANGE
LOT BUILDING COVERAGE (%)	20%	±0.525%	NO CHANGE
BUILDING HEIGHT (FT)	35'	±15'	NO CHANGE
LOT SURFACE COVERAGE (%)	40%	±0.91%	NO CHANGE

- NOTE:**
- NO PROPOSED TREE CLEARING IS REQUIRED.
 - NO GRADING IS REQUIRED.
 - NO EXCAVATION IS REQUIRED.
 - NO MATERIAL (FILL) WILL BE REQUIRED TO BRING THE SITE TO READINESS.
 - THERE ARE NO FLOOD PLAINS LOCATED ON OR NEAR THE SUBJECT PARCEL.
 - THERE ARE NO WETLANDS LOCATED ON OR NEAR THE SUBJECT PARCEL.

INFORMATION CONTAINED WITHIN DRAWINGS ARE BASED ON PROVIDED INFORMATION, ORANGE COUNTY NY GIS MAPPING & AERIAL PHOTOGRAPHY AND ARE NOT THE RESULT OF A FIELD SURVEY.

LANDS N/F:
LEE & JOYCE ZAWISTOWSKI
37 ROSALINE LANE
NEWBURGH NY 12550
S/B/L: 111-2-18

LANDS N/F:
DIETER & MARIE MILLER
104 VALLEY VIEW DR
NEWBURGH NY 12550
S/B/L: 15-1-11.2

LANDS N/F:
CROWN ATLANTIC C
OMPANY LLC
120 VALLEY VIEW DR
NEWBURGH NY 12550
S/B/L: 15-1-10
±100,188 SQFT.

LANDS N/F:
JOHN K O'BRIEN REVOCABLE TRUST
112 VALLEY VIEW DR
NEWBURGH NY 12550
S/B/L: 15-1-6

LANDS N/F:
BRIAN FERNANDEZ
114 VALLEY VIEW DR
NEWBURGH NY 12550
S/B/L: 15-1-7

LANDS N/F:
NELSON CHRISTENSON
118 VALLEY VIEW DR
NEWBURGH NY 12550
S/B/L: 15-1-8

LANDS N/F:
PETER C TIMPSON, JR
118 VALLEY VIEW DR
NEWBURGH NY 12550
S/B/L: 15-1-9

LANDS N/F:
DORIS STEELE
121 VALLEY VIEW DR
NEWBURGH NY 12550
S/B/L: 15-2-11

LANDS N/F:
MELISSA J COSTA &
JOHN J TAYLOR
1 DISANO DRIVE
NEWBURGH NY 12550
S/B/L: 34-1-1.2

LANDS N/F:
N/A
DISANO DRIVE
NEWBURGH NY 12550
S/B/L: 34-1-75

LANDS N/F:
CONCETTINA DISANO FINE
8 DISANO DRIVE
NEWBURGH NY 12550
S/B/L: 34-1-1.13

APPROXIMATE LOCATION OF
EXISTING PROPERTY LINE (TYP.)

APPROXIMATE LIMITS OF
EXISTING TREELINE (TYP.)

EXISTING SELF
SUPPORT TOWER

EXISTING FENCED
EQUIPMENT COMPOUND

EXISTING
BUILDING (TYP.)

EXISTING SITE
ACCESS DRIVE

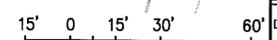
EXISTING 20' WIDE CENTRAL
HUDSON GAS & ELECTRIC
CORP. UTILITY EASEMENT

EXISTING UTILITY POLE (TYP.)

VALLEY VIEW DRIVE
(±50' R.O.W.)

CALLED NORTH

1 OVERALL SITE PLAN
SCALE: AS NOTED



(IN FEET)
SCALE: 24"x36" SHEET 1" = 30'-0"
SCALE: 11"x17" SHEET 1" = 60'-0"

INFINIGY 8

1033 Watervliet Shaker Rd
Albany, NY 12205
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Fax # (518) 690-0793



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0	ISSUED FOR REVIEW	JLM	4/28/15

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Designed: AJD Date: 4/28/15
Checked: AJD Date: 4/28/15

Project Number
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Project Title
NEWBURGH
CENTRAL
AL81XC305

VALLEY VIEW DR
NEWBURGH, NY 12550

Prepared For



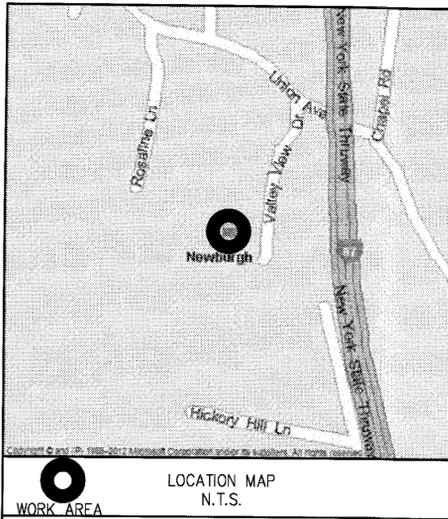
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Date:
7/27/15

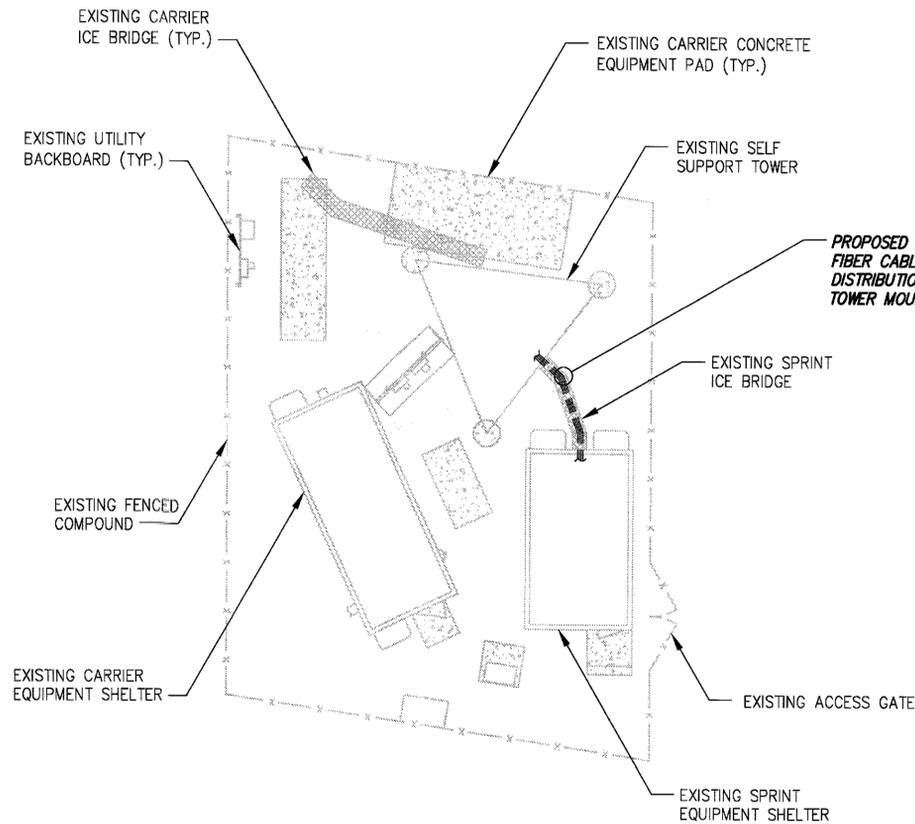
Drawing Title
OVERALL
SITE PLAN

Drawing Number

22

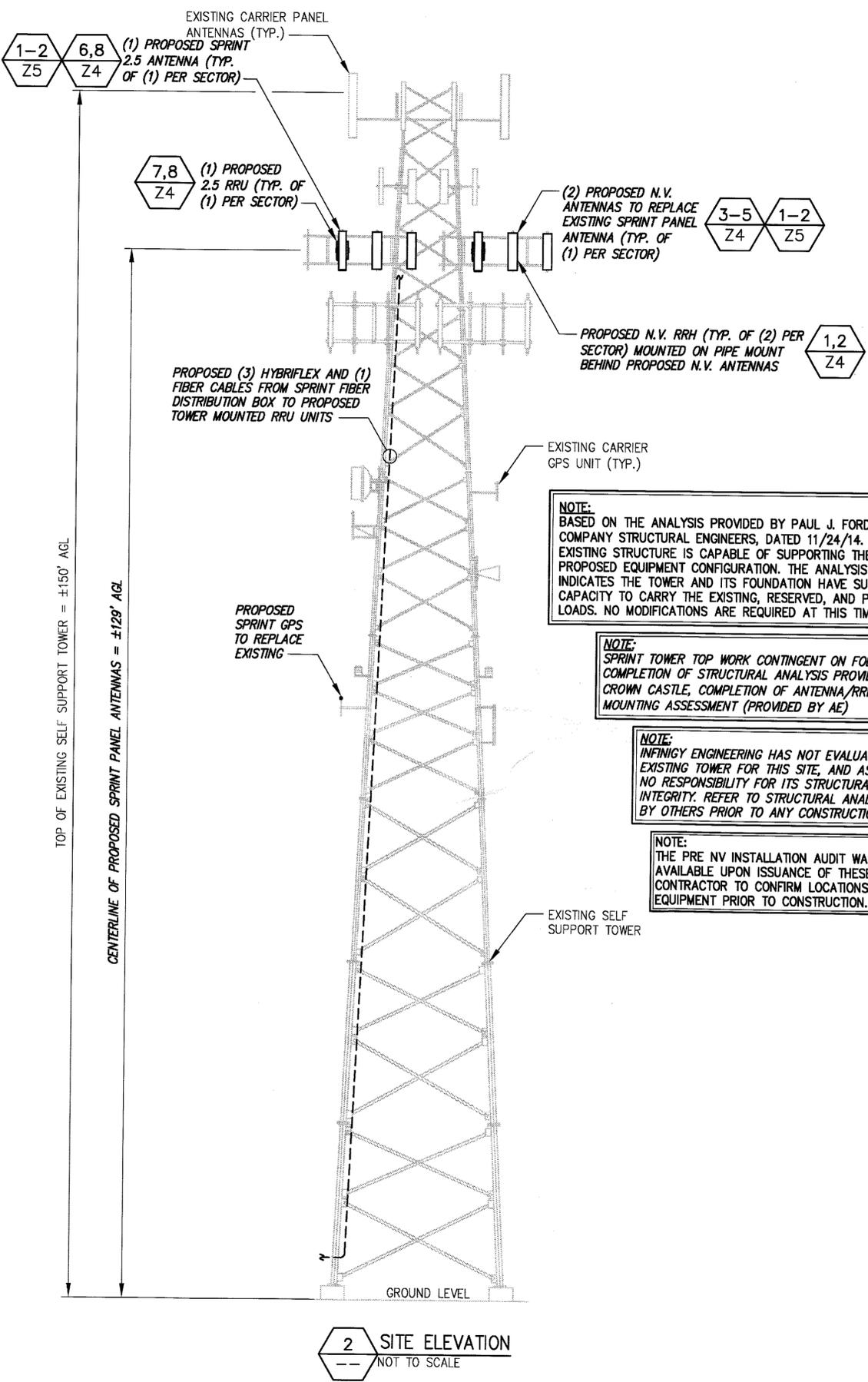
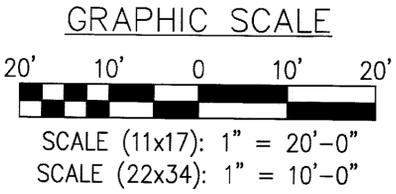
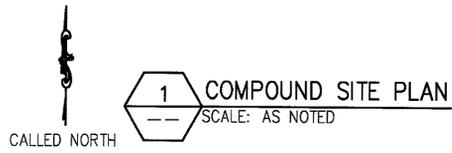


INFORMATION CONTAINED WITHIN DRAWINGS ARE BASED ON PROVIDED INFORMATION.



NOTE:
CONTRACTOR SHALL NOT STACK THE HYBRIFLEX CABLES ON TOP OF THE EXISTING COAXIAL CABLES AS TO PREVENT THE COAXIAL CABLES FROM BEING REMOVED.

- NOTE:
- REFER TO: CONSTRUCTION STANDARDS-SPRINT DOCUMENT: "EXHIBIT A - STANDARD CONSTRUCTION SPECIFICATIONS FOR WIRELESS SITES REV 4.0 - 02.15.2011.DOCM"
 - REFER TO: "WEATHERPROOFING SPECS: EXCERPT EXH A - WTHRPRF - STD CONSTR SPECS_157201110421855429.DOCM"
 - REFER TO: "COLOR CODING-SPRINT NEXTEL ANT AND LINE COLOR CODING (DRAFT) V3 09-08-11.PDF"
 - CONTRACTOR TO VERIFY LATEST REV AND DATE PRIOR TO CONSTRUCTION.



NOTE:
BASED ON THE ANALYSIS PROVIDED BY PAUL J. FORD AND COMPANY STRUCTURAL ENGINEERS, DATED 11/24/14. THE EXISTING STRUCTURE IS CAPABLE OF SUPPORTING THE PROPOSED EQUIPMENT CONFIGURATION. THE ANALYSIS INDICATES THE TOWER AND ITS FOUNDATION HAVE SUFFICIENT CAPACITY TO CARRY THE EXISTING, RESERVED, AND PROPOSED LOADS. NO MODIFICATIONS ARE REQUIRED AT THIS TIME.

NOTE:
SPRINT TOWER TOP WORK CONTINGENT ON FOLLOWING: COMPLETION OF STRUCTURAL ANALYSIS PROVIDED BY CROWN CASTLE, COMPLETION OF ANTENNA/RRH MOUNTING ASSESSMENT (PROVIDED BY AE)

NOTE:
INFINIGY ENGINEERING HAS NOT EVALUATED THE EXISTING TOWER FOR THIS SITE, AND ASSUMES NO RESPONSIBILITY FOR ITS STRUCTURAL INTEGRITY. REFER TO STRUCTURAL ANALYSIS BY OTHERS PRIOR TO ANY CONSTRUCTION.

NOTE:
THE PRE NV INSTALLATION AUDIT WAS NOT AVAILABLE UPON ISSUANCE OF THESE PLANS. CONTRACTOR TO CONFIRM LOCATIONS OF EQUIPMENT PRIOR TO CONSTRUCTION.

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Albany, NY 12205
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Designed: AJD Date: 4/28/15
Checked: AJD Date: 4/28/15

Project Number: 353-000

Project Title:
NEWBURGH CENTRAL AL81XC305

VALLEY VIEW DR
NEWBURGH, NY 12550



Drawing Scale: AS NOTED
Date: 7/27/15

Drawing Title:
COMPOUND SITE PLAN & ELEVATION

Drawing Number:
Z2A



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NEWBURGH CENTRAL AL81XC305

VALLEY VIEW DR
 NEWBURGH, NY 12550

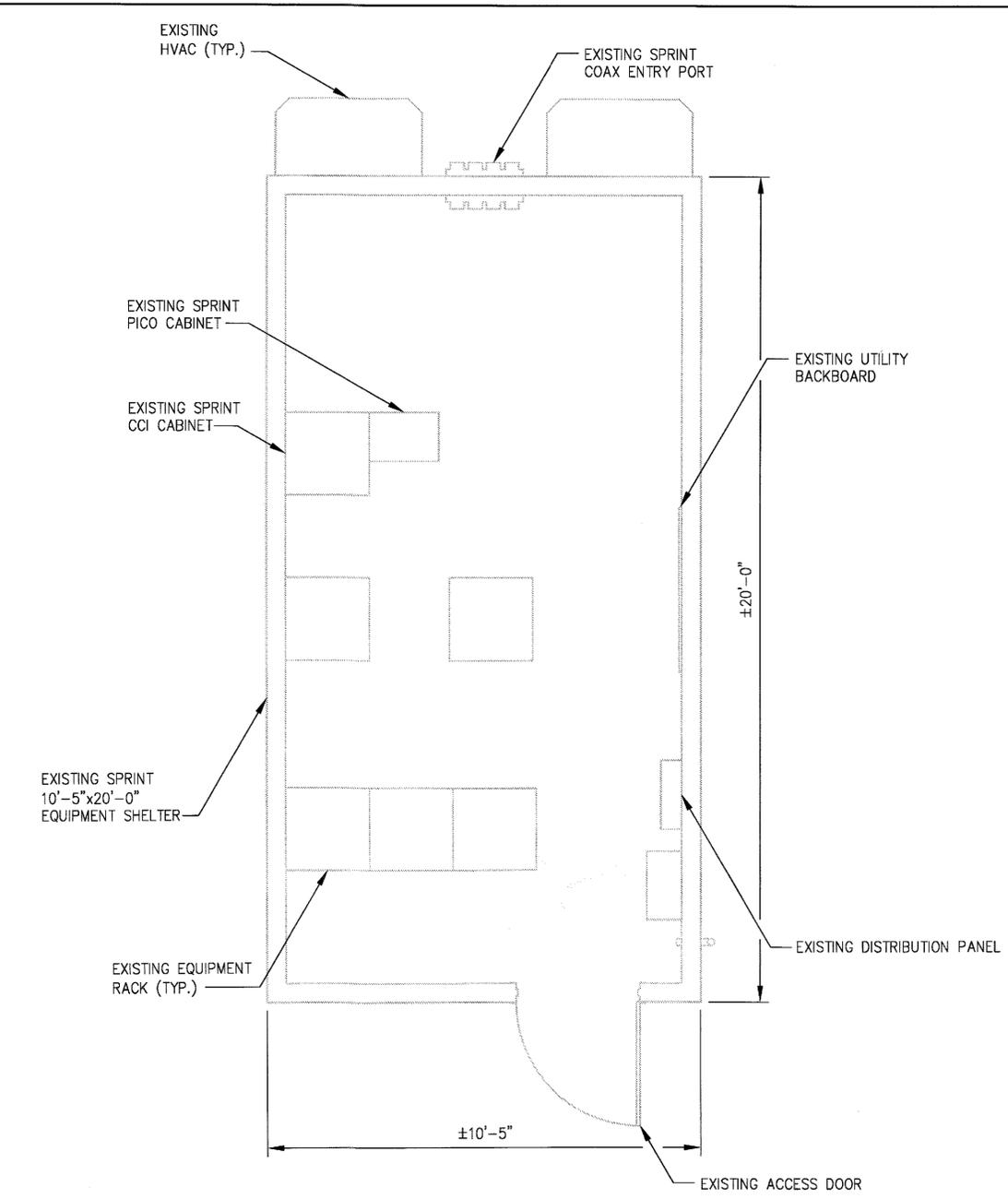
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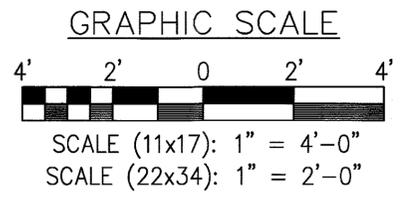
Drawing Scale: AS NOTED
 Date: 7/27/15

Drawing Title:
EQUIPMENT SITE PLANS

Drawing Number:
23

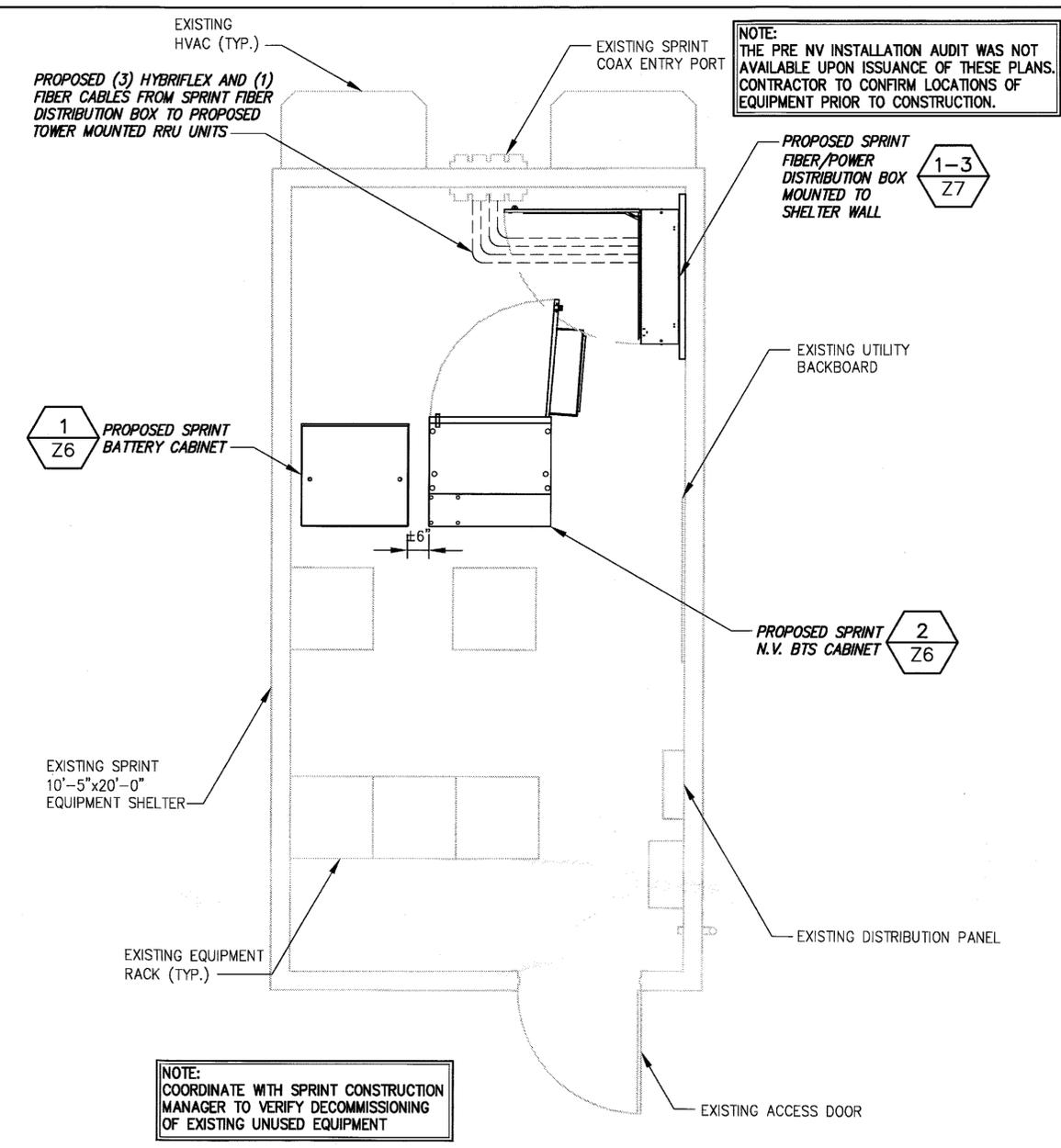


1 EQUIPMENT SITE PLAN (EXISTING)
 CALLED NORTH
 SCALE: AS NOTED

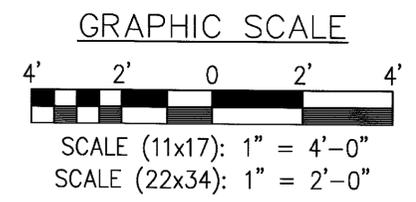


NOTE:
 CONTRACTOR SHALL NOT STACK THE HYBRIFLEX CABLES ON TOP OF THE EXISTING COAXIAL CABLES AS TO PREVENT THE COAXIAL CABLES FROM BEING REMOVED.

- NOTE:**
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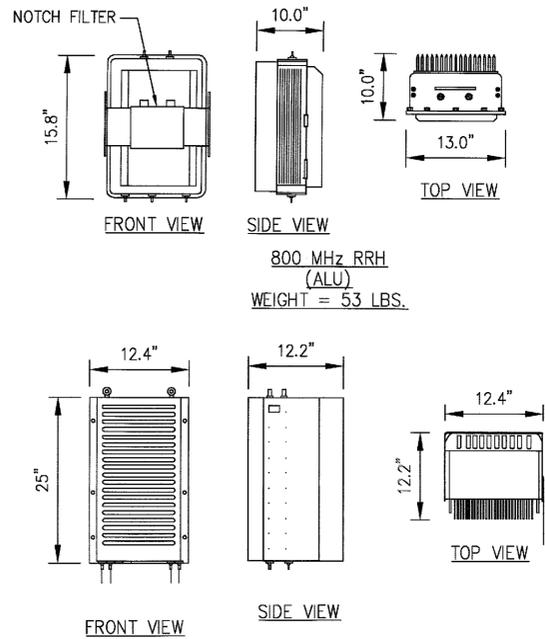


2 EQUIPMENT SITE PLAN (FINAL/PERMANENT)
 CALLED NORTH
 SCALE: AS NOTED

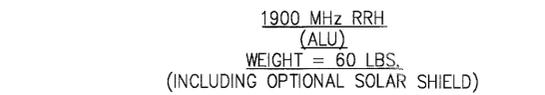


NOTE:
 COORDINATE WITH SPRINT CONSTRUCTION MANAGER TO VERIFY DECOMMISSIONING OF EXISTING UNUSED EQUIPMENT

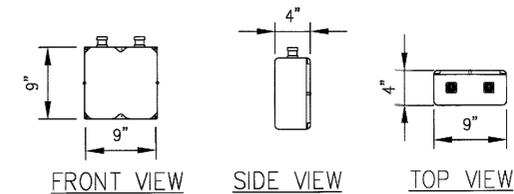
NOTE:
 THE PRE NV INSTALLATION AUDIT WAS NOT AVAILABLE UPON ISSUANCE OF THESE PLANS. CONTRACTOR TO CONFIRM LOCATIONS OF EQUIPMENT PRIOR TO CONSTRUCTION.



800 MHz RRH (ALU)
WEIGHT = 53 LBS.



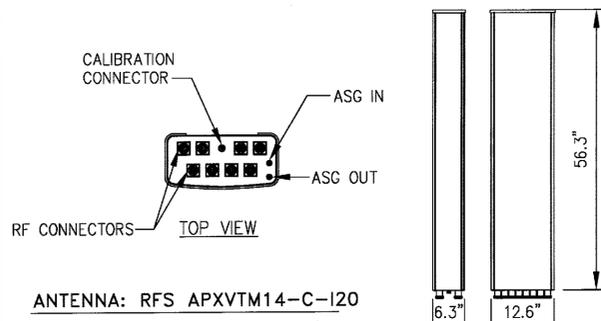
1900 MHz RRH (ALU)
WEIGHT = 60 LBS.
(INCLUDING OPTIONAL SOLAR SHIELD)



850 MHz NOTCH FILTERS
WEIGHT = 11 LBS.

NOTE:
REFER TO R.F. SYSTEM SCHEDULE FOR
EXACT RRH SPECIFICATIONS AND QUANTITIES.

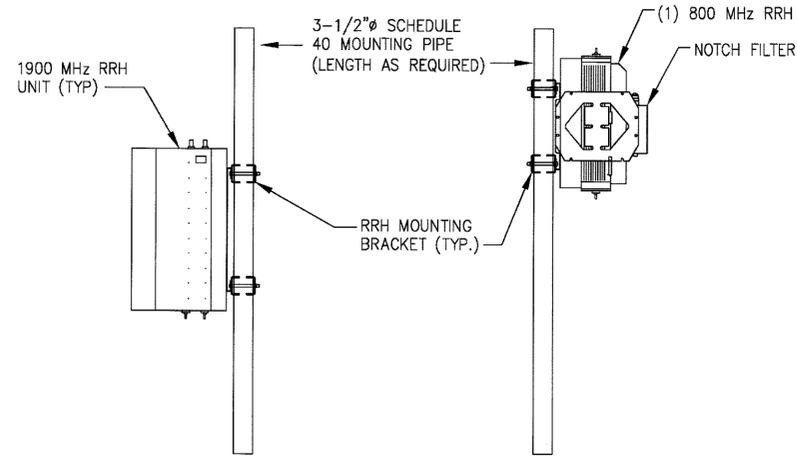
1 N.V. RRH EQUIPMENT DETAILS
NOT TO SCALE



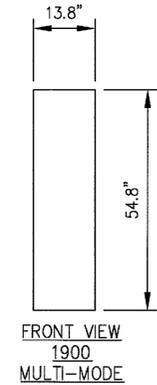
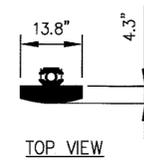
ANTENNA: RFS APXVM14-C-I20

RADOME MATERIAL: ASA
RADOME COLOR: LIGHT GRAY
DIMENSIONS, HxWxD in. (mm): 56.3"x12.6"x6.3" (1430x320x160mm)
WEIGHT: 52.9 lbs
CONNECTORS: (8) 4.1/9.5 DIN FEMALE
(1) NF - CALIBRATION CONNECTOR

6 2.5 ANTENNA DETAILS
NOT TO SCALE

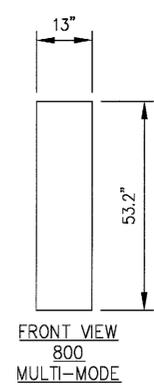
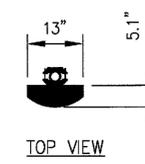


2 N.V. RRH MOUNTING DETAIL (TYP.)
NOT TO SCALE



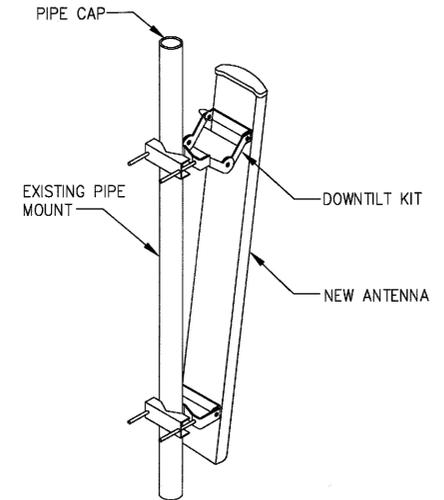
RFS ANTENNA
P/N: APXVRR13-C-A20

3 N.V. ANTENNA DETAILS
NOT TO SCALE



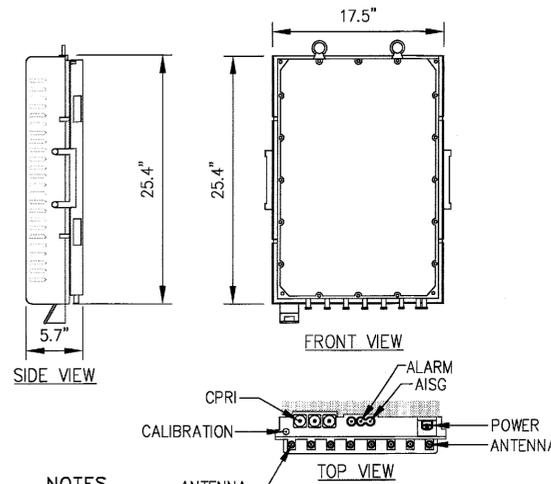
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4 N.V. ANTENNA DETAILS
NOT TO SCALE



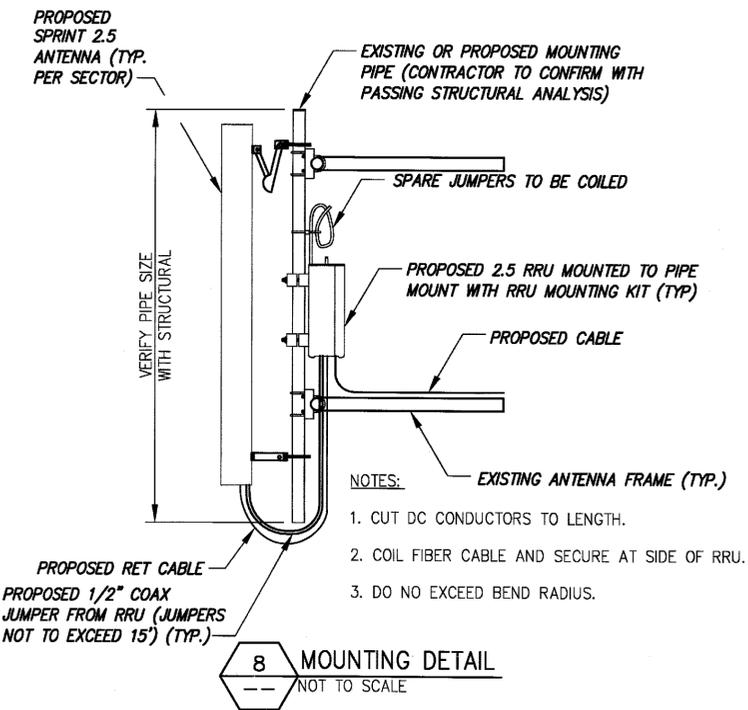
5 PANEL ANTENNA MOUNT DETAIL
NOT TO SCALE

RRU: ALCATEL LUCENT TD-RRH8X20
COLOR: LIGHT GREY
WEIGHT: 70 LBS.



7 2.5 RRU EQUIPMENT DETAILS
NOT TO SCALE

NOTES
COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRU'S RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING. DO NOT OPEN RRU PACKAGES IN THE RAIN.



- NOTES:
- CUT DC CONDUCTORS TO LENGTH.
 - COIL FIBER CABLE AND SECURE AT SIDE OF RRU.
 - DO NOT EXCEED BEND RADIUS.

8 MOUNTING DETAIL
NOT TO SCALE

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1	ADD CONDITIONS OF APVL	AJD	7/27/15
0	ISSUED FOR REVIEW	JLM	4/28/15
No.	Submittal / Revision	App'd	Date
Drawn:	JLM	Date:	4/28/15
Designed:	AJD	Date:	4/28/15
Checked:	AJD	Date:	4/28/15

Project Number: 353-000

Project Title:
**NEWBURGH
CENTRAL
AL81XC305**

VALLEY VIEW DR
NEWBURGH, NY 12550

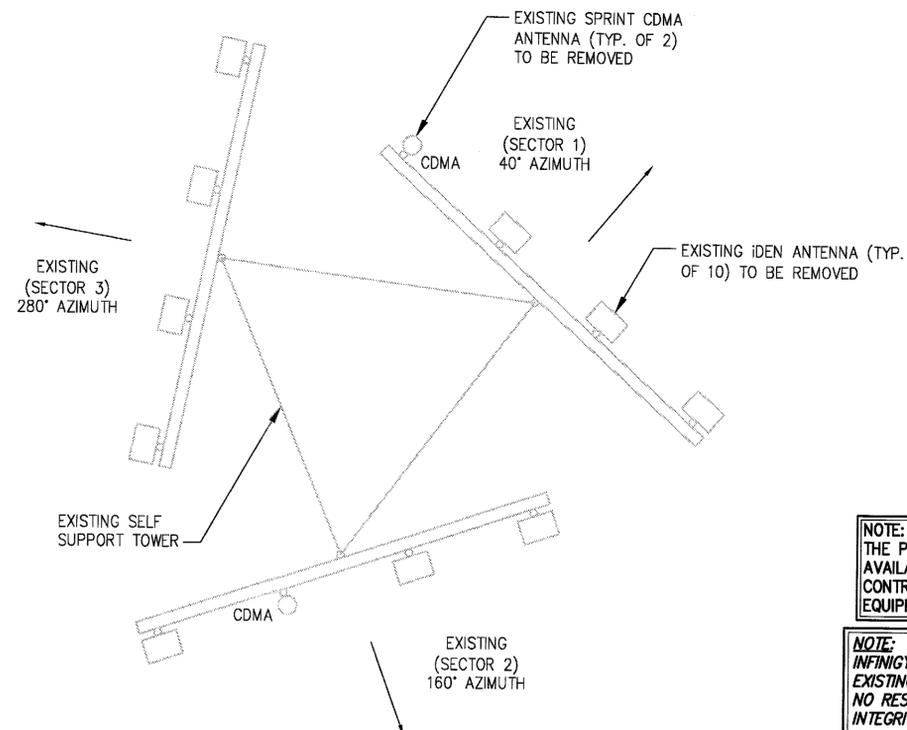
Prepared For:



Drawing Scale: AS NOTED
Date: 7/27/15

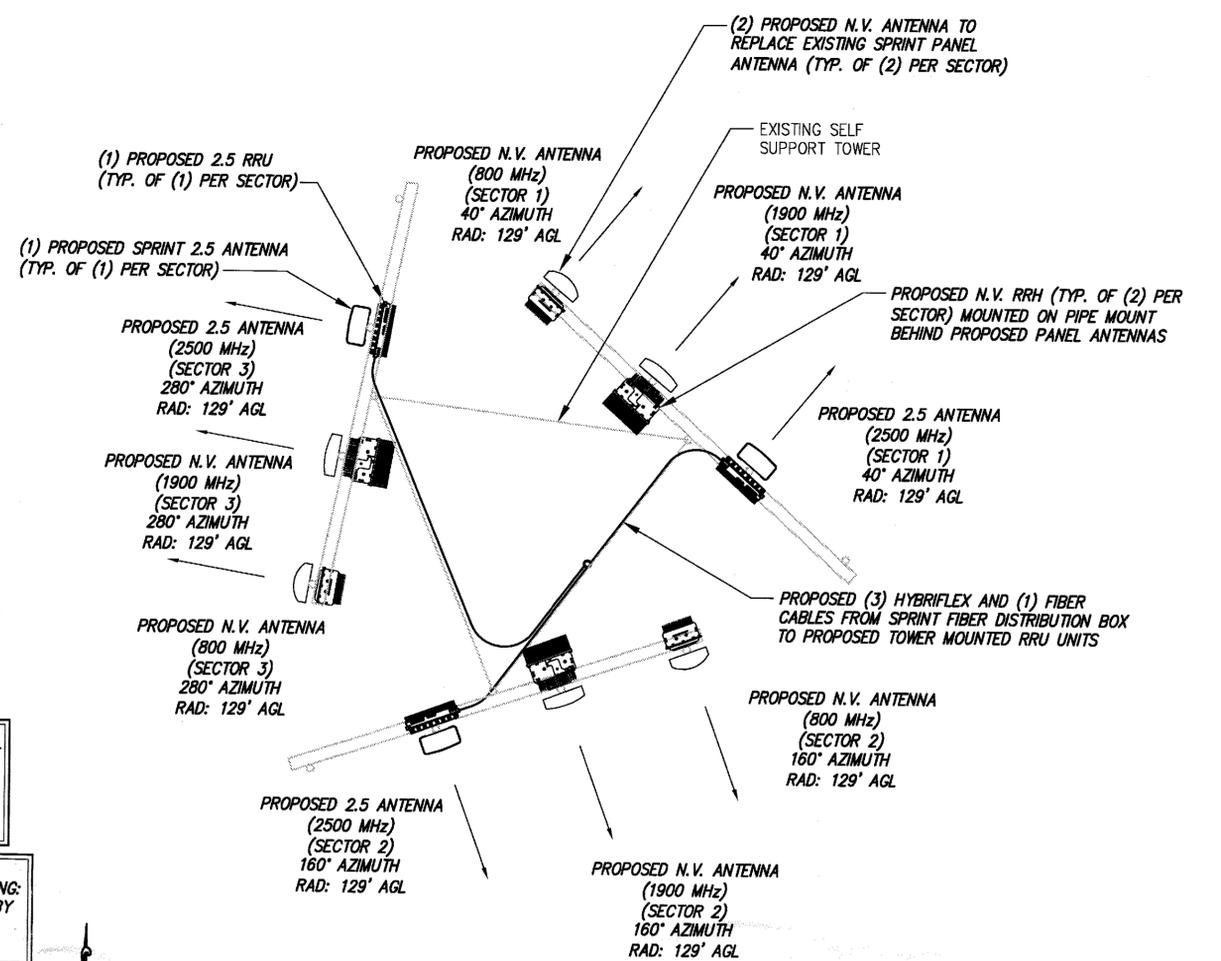
Drawing Title:
**EQUIPMENT
DETAILS**

Drawing Number:
24



1 ANTENNA CONFIGURATION (EXISTING)
NOT TO SCALE

CALLLED NORTH



2 ANTENNA CONFIGURATION (FINAL/PERMANENT) (HOT SWAP)
NOT TO SCALE

CALLLED NORTH

NOTE:
ALL ANTENNAS, EQUIPMENT AND COAX TO BE INSTALLED IN ACCORDANCE WITH THE STRUCTURAL ANALYSIS PROVIDED BY CROWN CASTLE

NOTE:
THE PRE NV INSTALLATION AUDIT WAS NOT AVAILABLE UPON ISSUANCE OF THESE PLANS. CONTRACTOR TO CONFIRM LOCATIONS OF EQUIPMENT PRIOR TO CONSTRUCTION.

NOTE:
INFINIGY ENGINEERING HAS NOT EVALUATED THE EXISTING TOWER FOR THIS SITE, AND ASSUMES NO RESPONSIBILITY FOR ITS STRUCTURAL INTEGRITY. REFER TO STRUCTURAL ANALYSIS BY OTHERS PRIOR TO ANY CONSTRUCTION.

NOTE:
SPRINT TOWER TOP WORK CONTINGENT ON FOLLOWING: COMPLETION OF STRUCTURAL ANALYSIS PROVIDED BY CROWN CASTLE, COMPLETION OF ANTENNA/RRH MOUNTING ASSESSMENT (PROVIDED BY AE)

RRH NOTES:
- SEE PAGE C4 FOR RRH MOUNTING INFORMATION (TYP. ALL SECTORS).
- REFER TO RF SCHEDULE ON SHEET C7 FOR RRH UNIT SPECS AND QUANTITIES.

- GENERAL NOTES:
1. NEW SPRINT PANEL ANTENNAS TO MEET RF DESIGN REQUIREMENTS PER EBTS, PER APPROVED STRUCTURAL ANALYSIS.
 2. CONTRACTOR TO PROVIDE EXISTING ANTENNA VERIFICATION AND TO INCLUDE MOUNTING HEIGHT, RAD CENTER, TOP AND BOTTOM OF ANTENNAS.
 3. THE CONFIGURATION PLANS ARE FOR CONCEPTUAL PURPOSES ONLY. CONTRACTOR TO VERIFY FIELD CONDITIONS.
 4. THE ANTENNA INSTALLATION SHALL BE DONE IN ACCORDANCE WITH THE STRUCTURAL ANALYSIS AND ASSOCIATED DETAILS THEREIN. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO WORK ON THE STRUCTURE.
 5. CONTRACTOR SHALL VERIFY NEW PARTS BEFORE ORDERING.
 6. REFER TO SHEET C4 & C7 FOR ANTENNA SPECS.
 7. CONTRACTOR TO USE PROPER TORQUE WHEN INSTALLING AND TIGHTENING CONNECTORS TO INSURE PROPER FIT.
 8. ALL HYBRID CABLES SHALL BE MARKED WITHIN 24" OF THE END OF EACH CABLE WITH 2" WIDE VINYL TAPE. THIS INCLUDES ALL JUMPERS AND MAIN LINE HYBRID CABLES.
 9. CDMA ANTENNAS SHALL NOT BE REMOVED UNTIL ALL NEW MULTI-MODE ANTENNAS ARE INSTALLED AND ON-AIR.

NOTE:
REQUIRED PIPE MOUNTS TO BE SUPPLIED BY CONTRACTOR.

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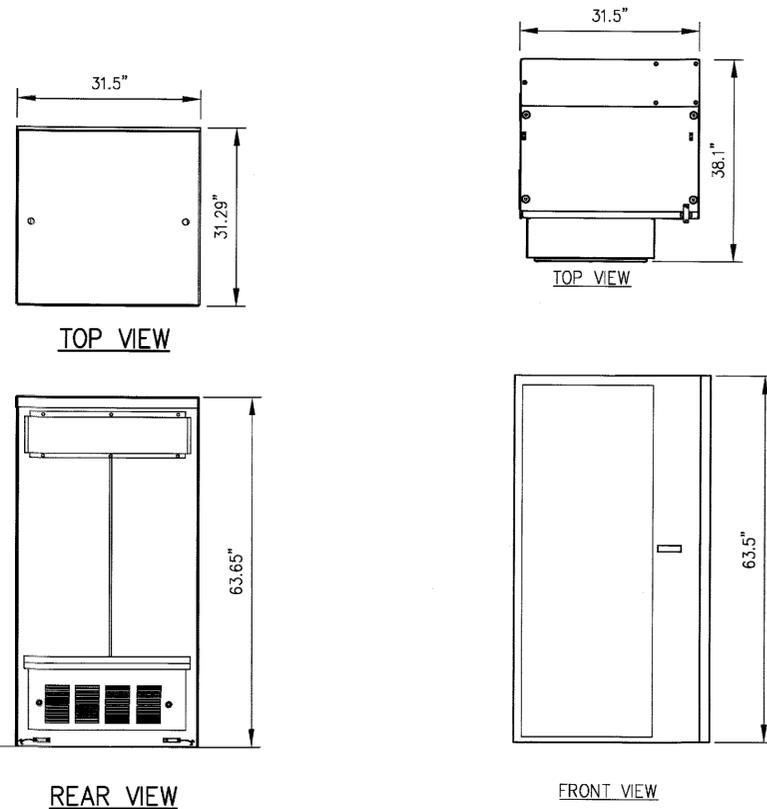
Prepared For:
sprint
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Drawing Scale:
AS NOTED

Date:
7/27/15

Drawing Title:
ANTENNA PLANS

Drawing Number:
Z5



1 BATTERY CABINET PROFILE
--- NOT TO SCALE

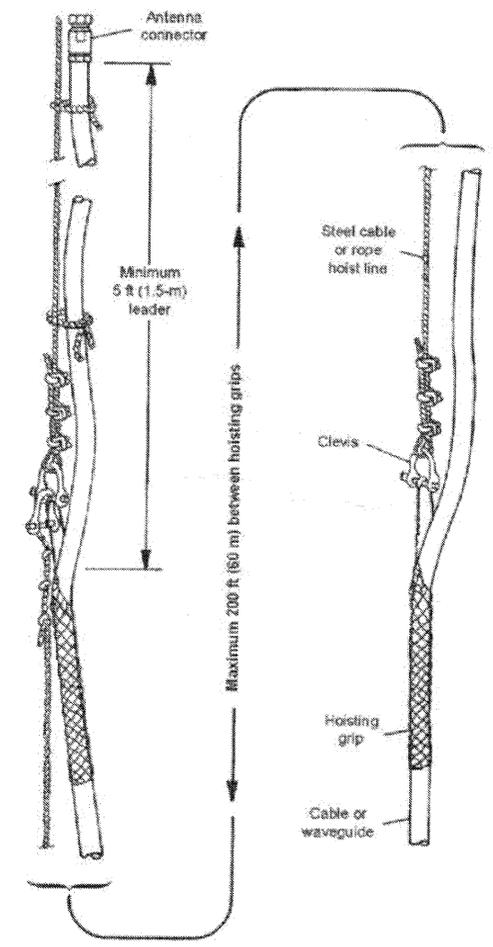
2 BTS CABINET PROFILE
--- NOT TO SCALE

DESIGN CRITERIA:

2009 INTERNATIONAL BUILDING CODE W/ STATE MODIFICATION

WIND SPEED (ASCE-7-05)	90 MPH
EXPOSURE B	
IMPORTANCE FACTOR	1.0
SEISMIC SITE CLASS	D
S _s =0.152 S _w =0.050	
SEISMIC IMPORTANCE FACTOR	1.0
SEISMIC DESIGN CATEGORY	B
9927 MM BTS CABINET WEIGHT:	594 LBS.
EMERSON BATTERY CABINET SPECIFICATIONS:	
(31.29" x 31.5" x 63.65")	
WEIGHTS:	
SHIPPING WEIGHT:	600 LBS.
LIFT WEIGHT:	540 LBS.
TOTAL WEIGHT:	2640 LBS (WITH BATTERIES)
INDIVIDUAL BATTERY WEIGHT:	105 LBS
(DO NOT LIFT WITH BATTERIES IN CABINET)	
MATERIAL SPECIFICATIONS	
C-, M-, AND ANGLE SHAPES:	ASTM A36
HIGH-STRENGTH BOLTS:	ASTM A325SS OR (A325N)
STRUCTURAL WF SHAPES:	ASTM A572-GR50
TUBE STEEL & PIPE COLUMNS:	ASTM A500, GRADE B
WELDING ELECTRODES:	E70XX
W - SHAPES:	ASTM A992, GRADE 50
U-BOLTS:	ASTM A36

- DO NOT USE ONE HOISTING GRIP FOR HOISTING TWO OR MORE CABLES OR CABLE TRAYS. THIS CAN CAUSE THE HOISTING GRIP TO BREAK OR THE CABLES OR WAVE- GUIDES TO FALL.
- DO NOT USE THE HOISTING GRIP FOR LOWERING CABLE OR CABLE TRAY. SNAGGING OF THE CABLE OR CABLE TRAY MAY LOOSEN THE GRIP AND POSSIBLY CAUSE THE CABLE TO CABLE TRAY TO SWAY OR FALL.
- DO NOT REUSE HOISTING GRIPS. USED GRIPS MAY HAVE LOST ELASTICITY, STRETCHED, OR BECOME WEAKENED. REUSING A GRIP CAN CAUSE THE CABLE OR CABLE TRAY TO SLIP, BREAK, OR FALL.
- USE HOISTING GRIPS AT INTERVALS OF NO MORE THAN 200 FT (60 M).
- MAKE SURE THAT THE PROPER HOISTING GRIP IS USED FOR THE CABLE OR CABLE TRAY BEING INSTALLED. SLIPPAGE OR INSUFFICIENT GRIPPING STRENGTH WILL RESULT IF YOU ARE USING THE WRONG HOISTING GRIP.



3 HOIST GRIP DETAIL
--- NOT TO SCALE

NOTE:

- REFER TO: CONSTRUCTION STANDARDS-SPRINT DOCUMENT: "EXHIBIT A - STANDARD CONSTRUCTION SPECIFICATIONS FOR WIRELESS SITES REV 4.0 - 02.15.2011.DOCM"
- REFER TO: "WEATHERPROOFING SPECS: EXCERPT EXH A - WTHRPRF - STD CONSTR SPECS._15720110421855429.DOCM"
- REFER TO: "COLOR CODING-SPRINT NEXTEL ANT AND LINE COLOR CODING (DRAFT) V3 09-08-11.PDF"
- CONTRACTOR TO VERIFY LATEST REV AND DATE PRIOR TO CONSTRUCTION.

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Project Number: 353-000

Project Title:

**NEWBURGH
CENTRAL
AL81XC305**

VALLEY VIEW DR
NEWBURGH, NY 12550

Prepared For:



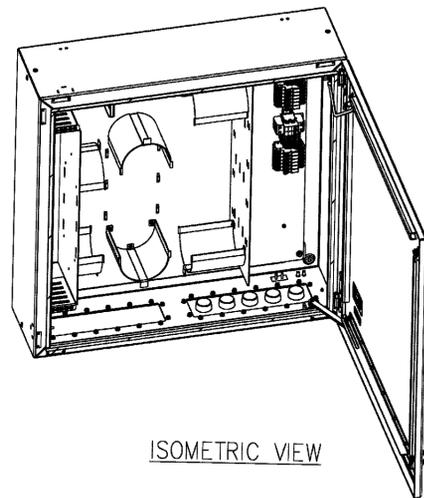
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Date: 7/27/15

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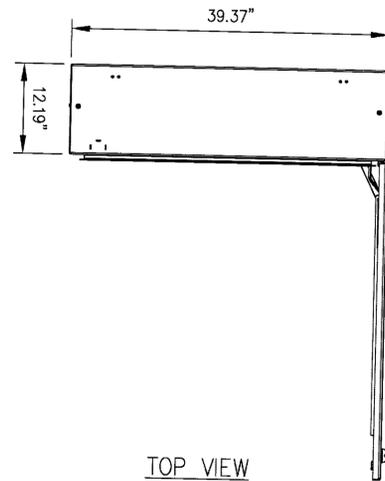
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Drawing Number:

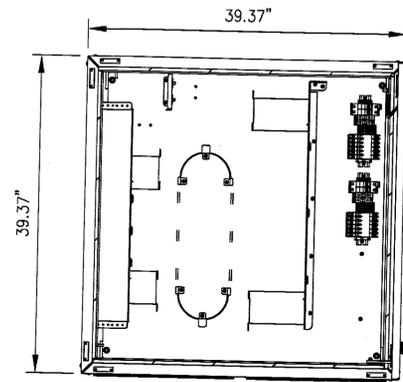
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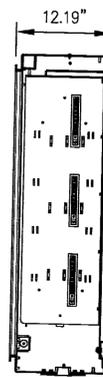
ISOMETRIC VIEW



TOP VIEW

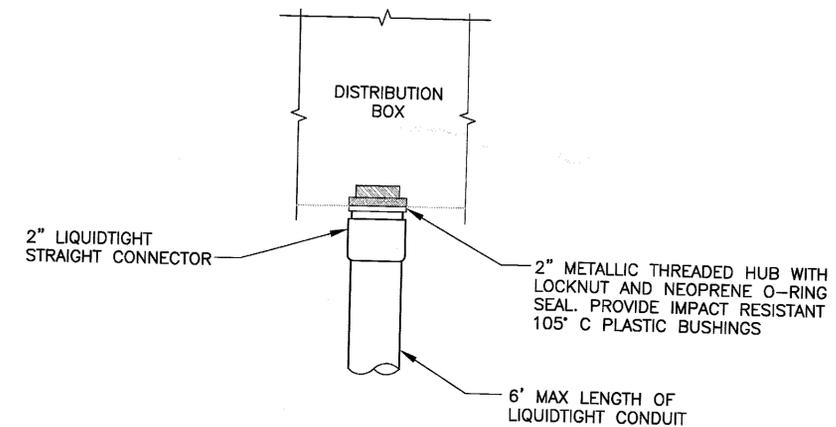
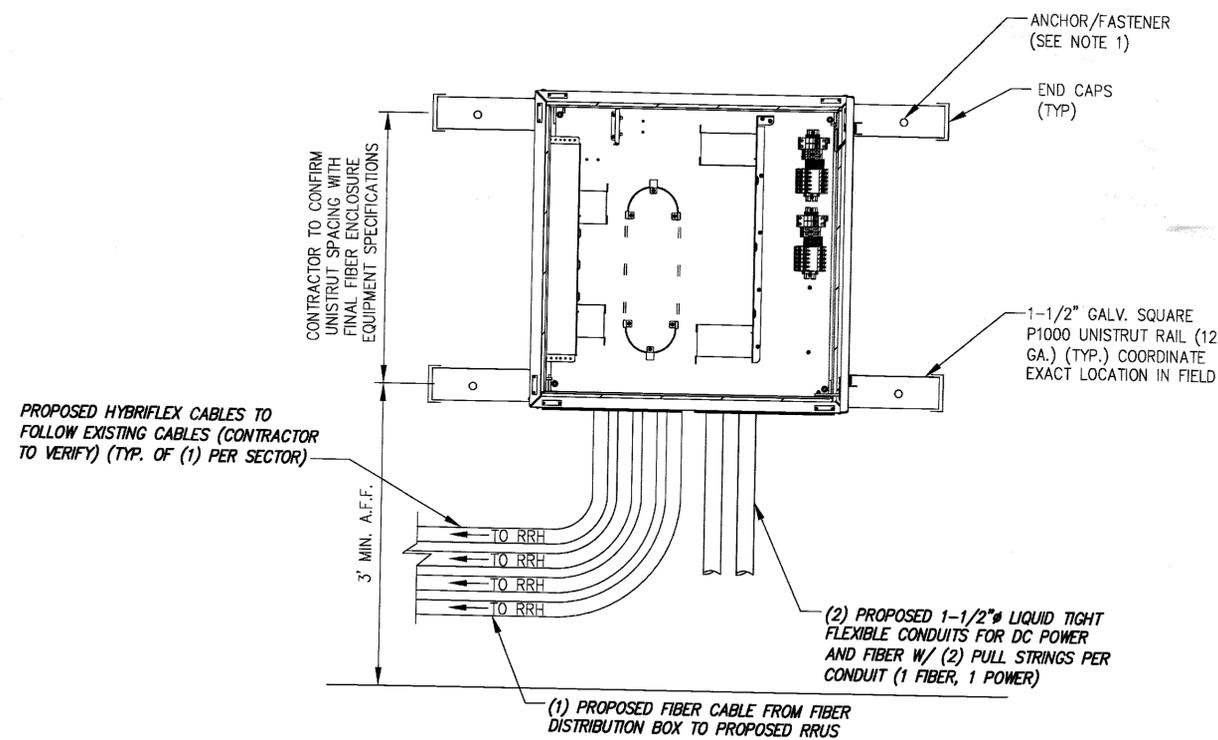


FRONT VIEW



SIDE VIEW

1 DISTRIBUTION BOX DETAIL
NOT TO SCALE



3 FIBER DISTRIBUTION BOX PENETRATION
NOT TO SCALE

NOTE:

- DISTRIBUTION BOX IS KITTED WITH 50' OF 1-1/2" LIQUID-TIGHT CONDUIT AND CONNECTORS. THIS SHOULD BE:
 - * SPLIT IN HALF,
 - * TERMINATED TO THE DISTRIBUTION BOX AS SHOWN,
 - * RAN TO AND COILED AS CLOSE TO WHERE THE CABINET IS GOING TO BE MOUNTED AS POSSIBLE.
- DISTRIBUTION BOX IS KITTED WITH 2 AWG, POWER CABLE 35' x 2EA. RUNS RED AND 2EA. RUNS BLACK. THIS SHOULD BE COILED AND LEFT INSIDE DISTRIBUTION BOX.
- BTS INSTALLATION TEAM WILL TERMINATE LIQUID-TIGHT, RUN THE FIBER JUMPERS AND POWER CABLES FROM BTS CABINET TO DISTRIBUTION BOX.

- INSTALL ANCHORS/FASTENERS A MAXIMUM OF 2'-0" ON CENTERS.
 - WOOD STUDS - 1/4" LAG BOLT W/ 1" EMBEDMENT IN WOOD
 - CONCRETE - 1/4" HILTI KWIK BOLT III W/ 1-1/2" EMBEDMENT OR EQUIVALENT
 - THROUGH BOLT - 1/4" A36/A307 THREADED ROD W/ NUTS AND WASHERS
- ANCHORS AND UNISTRUT CHANNEL SHALL HAVE HOT-DIPPED GALVANIZED FINISH.
- MOUNT FIBER AND POWER DISTRIBUTION BOX WITH FOUR (4) 1/4" UNISTRUT BOLTING HARDWARE AND SPRING NUTS.

2 DISTRIBUTION BOX ON EXISTING WALL
NOT TO SCALE

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Designed: AD Date: 4/28/15
Checked: AD Date: 4/28/15

Project Number 353-000

Project Title
NEWBURGH CENTRAL AL81XC305

VALLEY VIEW DR
NEWBURGH, NY 12550

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7/27/15

Drawing Title
FIBER DISTRIBUTION BOX DETAILS

Drawing Number

RFS HYBRIFLEX RISER CABLE SCHEDULE

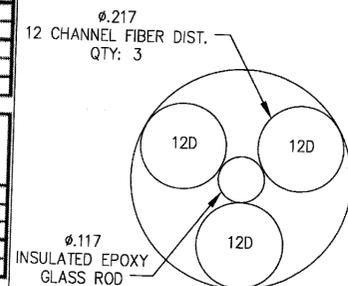
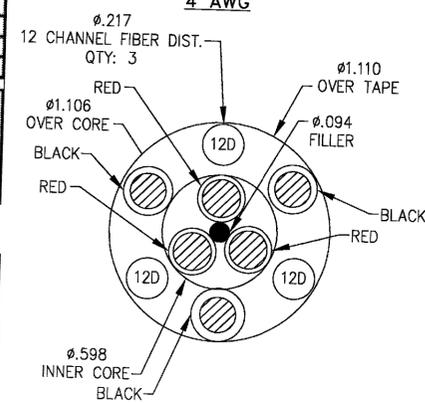
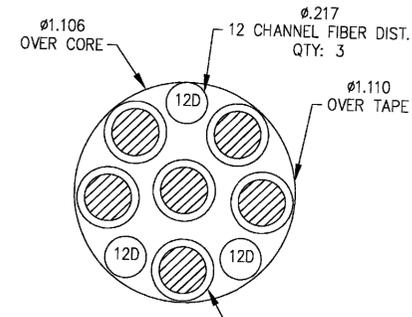
Fiber Only (Existing DC Power)	Hybrid cable MN: HB058-M12-050F 12x multi-mode fiber pairs, Top: Outdoor protected connectors, Bottom: LC Connectors, 5/8 cable, 50 ft	50 ft
	MN: HB058-M12-075F	75 ft
	MN: HB058-M12-100F	100 ft
	MN: HB058-M12-125F	125 ft
	MN: HB058-M12-150F	150 ft
	MN: HB058-M12-175F	175 ft
8 AWG Power	Hybrid cable MN: HB114-08U3M12-050F 3x 8 AWG power pairs, 12x multi-mode fiber pairs, Outdoor rated connectors & LC Connectors, 1 1/4 cable, 50 ft	50 ft
	MN: HB114-08U3M12-075F	75 ft
	MN: HB114-08U3M12-100F	100 ft
	MN: HB114-08U3M12-125F	125 ft
	MN: HB114-08U3M12-150F	150 ft
	MN: HB114-08U3M12-175F	175 ft
6 AWG Power	Hybrid cable MN: HB114-13U3M12-225F 3x 6 AWG power pair, 12x multi-mode fiber pairs, Outdoor rated connectors & LC Connectors, 1 3/4 cable, 225 ft	225 ft
	MN: HB114-13U3M12-250F	250 ft
	MN: HB114-13U3M12-275F	275 ft
4 AWG Power	Hybrid cable MN: HB114-21U3M12-325F 3x 4 AWG power pair, 12x multi-mode fiber pairs, Outdoor rated connectors & LC Connectors, 1 1/8 cable, 325 ft	325 ft
	MN: HB114-21U3M12-350F	350 ft
	MN: HB114-21U3M12-375F	375 ft

RFS HYBRIFLEX JUMPER CABLE SCHEDULE

Fiber Only	Hybrid Jumper cable MN: HBF012-M3-5F1 5 ft, 3x multi-mode fiber pairs, Outdoor & LC connectors, 1/2 cable	5 ft
	MN: HBF012-M3-10F1	10 ft
	MN: HBF012-M3-15F1	15 ft
	MN: HBF012-M3-20F1	20 ft
	MN: HBF012-M3-25F1	25 ft
	MN: HBF012-M3-30F1	30 ft
8 AWG Power	Hybrid Jumper cable MN: HBF058-08U1M3-5F1 5 ft, 3x 8 AWG power pair, 3x multi-mode fiber pairs, Outdoor & LC Connectors, 5/8 cable	5 ft
	MN: HBF058-08U1M3-10F1	10 ft
	MN: HBF058-08U1M3-15F1	15 ft
	MN: HBF058-08U1M3-20F1	20 ft
	MN: HBF058-08U1M3-25F1	25 ft
	MN: HBF058-08U1M3-30F1	30 ft
6 AWG Power	Hybrid Jumper cable MN: HBF058-13U1M3-5F1 5 ft, 1x 6 AWG power pair, 3x multi-mode fiber pairs, Outdoor & LC Connectors, 5/8 cable	5 ft
	MN: HBF058-13U1M3-10F1	10 ft
	MN: HBF058-13U1M3-15F1	15 ft
	MN: HBF058-13U1M3-20F1	20 ft
	MN: HBF058-13U1M3-25F1	25 ft
	MN: HBF058-13U1M3-30F1	30 ft
4 AWG Power	Hybrid Jumper cable MN: HBF078-21U1M3-5F1 5 ft, 1x 4 AWG power pair, 3x multi-mode fiber pairs, Outdoor & LC Connectors, 7/8 cable	5 ft
	MN: HBF078-21U1M3-10F1	10 ft
	MN: HBF078-21U1M3-15F1	15 ft
	MN: HBF078-21U1M3-20F1	20 ft
	MN: HBF078-21U1M3-25F1	25 ft
	MN: HBF078-21U1M3-30F1	30 ft

NOTE:
SPRINT CM TO CONFIRM HYBRID OR FIBER RISER CABLE AND HYBRID OR FIBER JUMPER CABLE MODEL NUMBERS IF HYBRID CABLES ARE REQUIRED BEFORE PREPARING BOM.

1 CABLE CROSS SECTION DATA
NOT TO SCALE



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ADD CONDITIONS OF APPL.	ADD	7/27/15
ISSUED FOR REVIEW	JLM	4/28/15
Submitted / Revision	App'd	Date

Project Number: 353-000

Project Title:
NEWBURGH CENTRAL AL81XC305

VALLEY VIEW DR
NEWBURGH, NY 12550

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Drawing Scale: AS NOTED
Date: 7/27/15

Drawing Title: **DETAILS**

Drawing Number: **28**

Specific Conditions

1. No building permit shall issue authorizing construction of structures inconsistent with the architectural renderings submitted to, and approved by, the Architectural Review Board as part of this approval, nor shall any certificate of compliance issue for any structures constructed except in conformance with such renderings [Section 185-59].
2. The applicant shall, at all times, maintain its operation in accordance with the town's wireless ordinance and all other relevant provisions of town code.
3. The proposed antennae, mounting structures and coaxial cables shall be color-matched (matte finish) to the existing tower colors.
4. The applicant shall [pursuant to Section 168-23 of the Newburgh Code] file an annual letter certifying to the Town of Newburgh that NIER levels at the site are within the threshold levels adopted by the FCC.
5. Any proposed increase in antenna size, or number/sizes of ground-based equipment cabinets shall be approved by the town prior to implementation of such changes.
6. Antennas, coaxial cables, security fencing around the ground-based equipment, and FCC warning signage should be routinely inspected and maintained at the site by the applicant.

Outdoor Fixtures & Amenities

7. This site plan approval allows construction of only that which is shown on the plans identified above. No outdoor amenities or accessory structures or outdoor fixtures—including but not limited to exterior walls, mechanical units, dumpsters, etc.—may be constructed, placed or erected except as shown on the approved site plan. Architectural drawings shall carry a certification that what is shown thereon is fully consistent with the approved site plan.

NOTE:
 ABOVE CONDITIONS EXTRACTED FROM
 RESOLUTION OF APPROVAL SITE PLAN, FOR
 "SPRINT [CROWN CASTLE, INC.] VALLEY
 VIEW DRIVE" PROJECT NUMBER: 2015-10

1 RESOLUTION CONDITIONS
 NOT TO SCALE

General Conditions

This approval is conditioned upon the applicant submitting all necessary copies of the plans to be signed, including mylars when required, to the Town of Newburgh Building Department. A full set of the plans to be signed shall simultaneously be submitted the Planning Board Engineer. The plans shall not be signed until the Planning Board Engineer has reported to the Chair that all conditions of this resolution required to be satisfied before the plans can be signed have, in fact, been satisfied.

This approval is further conditioned upon the applicant delivering (prior to signing of the plans) proof, in writing, that all fees—engineering, planning, legal and otherwise—in regard to this project have been fully paid. The applicant shall also be required to deliver proof that all required Public Improvement, Erosion Control and Landscaping inspection fees and escrow have been deposited with the Town. The plans shall not be signed until proof, satisfactory to the Chair, has been presented showing that all fees have been paid and escrow deposits made.

Approval of the final site plan shall, pursuant to Section 185-58 (E) of the Zoning Ordinance, be valid for two years from the date this resolution is filed in the office of the Town Clerk, after which time this approval shall be null and void unless a building permit has been issued. If no building permit has been issued within that time, the plan must be resubmitted to the Planning Board for approval.

A FAILURE to comply with the general condition immediately above in a timely manner shall result, without further action, in a lapsing of this approval.

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 NEWBURGH, NY 12550

Prepared For



Drawing Scale:
 AS NOTED

Date:
 7/27/15

Drawing Title
**RESOLUTION
 CONDITIONS**

Drawing Number

29