

RESOLUTION NO. 2019-231

**A RESOLUTION AUTHORIZING THE EXECUTION OF A SECOND AMENDMENT TO THE ANTENNA SITE LEASE AGREEMENT BY AND BETWEEN THE CITY OF VINELAND AND SPRINT SPECTRUM REALTY COMPANY, LLC CONCERNING THE SPRINT COMMUNICATIONS ANTENNA ARRAY LOCATED ON THE CITY WATER TOWER AT 1690 EAST OAK ROAD**

WHEREAS, the City of Vineland, by Resolution No. 99-114 authorized the execution of a Site Lease Agreement with Sprint Spectrum L.P., now Sprint Spectrum Realty Company, L.L.C, for the location of a communication antenna on the City's water tower at 1690 East Oak Road, and has since, by Resolution No. 2015-2, authorized a First Amendment to the subject lease agreement (**Exhibit "A"** attached) whereby, for the additional consideration of a rental increase, Sprint would be permitted to attach certain specified additional antennas; and

WHEREAS, the subject additional antennas are to now be installed in connection with the City's pending project for the painting of the subject Oak Road water tower, with the antennas to be installed, for the convenience of Sprint, in a manner that allows for same to not have to be removed while the tower is being painted, as provided and described in Sprint's proposed Second Amendment To Communications Antenna Site Lease Agreement (copy attached as **Exhibit "B"**); and

WHEREAS, Sprint has agreed to indemnify and hold harmless the City and its painting contractor from any liability for claims, other than those arising from the City's and/or its painting contractor's gross negligence or willful misconduct during the painting contract, arising out of, incidental to, or in connection with the contractor's painting; and

WHEREAS, given the undertakings of the parties to the subject agreement, including the reconfiguration of Sprint's equipment, Sprint has requested the City's approval of the subject Second Amendment to Lease Agreement; and

WHEREAS, the Director of the Vineland Municipal Utilities and the Superintendent of the Water Utility have recommended the execution of the subject Second Amendment to Lease Agreement; and

WHEREAS, City Council determines it to be in the best interests of the City to authorize execution of the subject Second Amendment to Lease Agreement;

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Vineland that the Mayor and City Clerk be and they are hereby authorized to execute a Second Amendment To Communications Antenna Site Lease Agreement as set forth in **Exhibit "B"** attached.

Adopted: \_\_\_\_\_

\_\_\_\_\_  
President of Council

ATTEST:

\_\_\_\_\_  
Keith Petrosky, RMC  
Municipal Clerk

# **EXHIBIT A**

**AMENDMENT NO. 1 TO SITE AGREEMENT**

This Amendment No. 1 to the Communications Antenna Site Lease Agreement (this "Amendment"), effective as of the date last signed below ("Effective Date"), amends a certain Communications Antenna Site Lease Agreement between Sprint Spectrum Realty Company, L.P., successor in interest to Sprint Spectrum L.P. ("Carrier"), and the City of Vineland (the "City"), dated September 1, 2004 (the "Agreement").

**BACKGROUND**

WHEREAS, Carrier desires to modify its installation on the E. Oak Road water tower facility located on Block 1909, Lot 57 (the "Site") the Site by adding or swapping out antennas and other equipment to the Facilities, as more particularly described in Exhibit A-1 annexed hereto, and Carrier and City desire to modify the provisions of the Agreement as provided below.

**AGREEMENT**

For good and valuable consideration the receipt and sufficiency of which are acknowledged, City and Carrier agree as follows:

**1. Modification to the Facilities.** Exhibit A to the Agreement is hereby amended to include the modifications identified on Exhibit A-1, a copy of which is attached and made a part hereof. Exhibit A-1 supplements Exhibit A to the Agreement, and shall not be deemed to supersede or otherwise modify Exhibit A or any part thereof except to the extent specifically set forth in Exhibit A-1. Upon full execution of this Amendment, Carrier is permitted to do all work necessary to prepare, maintain and alter the Site to install or otherwise modify the Facilities, all as more fully described and contemplated in Exhibit A-1.

**2. Limitations of Work; Inspection of Work.** No changes other than those set forth on the Designs shall be permitted. The City shall be permitted to inspect all work to assure compliance with Designs and all costs incurred by the City to assure compliance, including engineering and construction inspections shall be borne by the Carrier.

**3. Modification to Rent.** As additional consideration for the modification and other rights set forth in this Amendment, starting on the date that is 30 days after the start of construction of the modifications to the Facilities, the monthly rent will be increased by \$200.00.

**4. General Terms and Conditions.**

a. All capitalized terms used in this Amendment, unless otherwise defined herein, will have the same meaning as the terms contained in the Agreement.

b. In case of any inconsistencies between the terms and conditions contained in the Agreement and the terms and conditions contained in this Amendment, the terms and conditions herein will control. Except as set forth below, all provisions of the Agreement are ratified and remain unchanged and in full force and effect.

c. This Amendment may be executed in duplicate counterparts, each of which will be deemed an original.

d. Each of the parties represents and warrants that it has the right, power, legal capacity and authority to enter into and perform its respective obligations under this Amendment.

The parties have executed this Amendment as of the Effective Date.

**City:**  
City of Vineland

**Carrier:**  
Sprint Spectrum Realty Company, L.P.

By: [Signature]  
Printed Name: Rubén Bermúdez

By: [Signature]  
Printed Name: Rob Cobble

Title: Mayor

Title: SDM

Date: 11/14/15

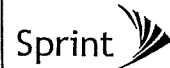
Date: 11/12/14

Exhibit A-1

[see attached]



6100 SPRINT PARKWAY  
 OVERLAND PARK, KS 66251  
 PL13XC370  
 1690 EAST OAK ROAD  
 VINELAND, NJ 08362  
 CUMBERLAND COUNTY



THESE DRAWINGS ARE FORALTTED TO BE FULL SIZE AT 25% OF DIMENSIONS ARE 1/4" = 1' IF THEY ARE TO BE CONSIDERED HALF SCALE AS INDICATED ON THE BAR SCALE BELOW EACH DRAWING COMPONENT.



MICHAEL MCGOWAN  
 PROFESSIONAL ENGINEER  
 LICENSE NO. 40907

McGOWAN  
 ENGINEERING  
 645 WESTWOOD AVE.  
 RIVERVALE, NJ 07675  
 T1.201-444-9700 P1.201-444-9750

REV.	DATE	REVISION DESCRIPTION	BY
3/20/14		FINAL	AJ
4/20/14		FOR REVIEW	AJ

PROJECT ID: **PL13XC370**  
 (EQUIPMENT DEPLOYMENT)  
 PROJECT LOCATION:  
 1690 EAST OAK ROAD  
 VINELAND, NJ 08362  
 CUMBERLAND COUNTY

DRAWING TITLE:  
**TITLE SHEET**

DRAWN BY:	PKG	SHEET #
REVIEWED BY:		<b>T-1</b>
DATE:	4/10/14	

**PROJECT INFORMATION**

**APPLICANT:**

SPRINT  
 6100 SPRINT PARKWAY  
 OVERLAND PARK, KS 66251

**SITE ADDRESS:**

1690 EAST OAK ROAD  
 VINELAND, NJ 08362

**PROPERTY OWNER:**

CITY OF VINELAND  
 624 W 4TH STREET  
 VINELAND, NJ 08362

**BLOCK & LOT:**

14-01808-0003-00257

**ZONING JURISDICTION:**

CUMBERLAND COUNTY

**ENGINEER:**

McGOWAN ENGINEERING  
 645 WESTWOOD AVENUE  
 RIVERVALE, NJ 07675  
 CONTACT: MARK JACOBS  
 PHONE: 201-864-9700

**SPRINT CONSTR. MANAGER:**

CONTACT: DANIEL GARNETT  
 PHONE: 973-914-7772

**SPRINT SITE ACQ. MANAGER:**

CONTACT: SCHIEFER CALLO  
 PHONE: 201-864-6032

**SPRINT RF ENGINEER:**

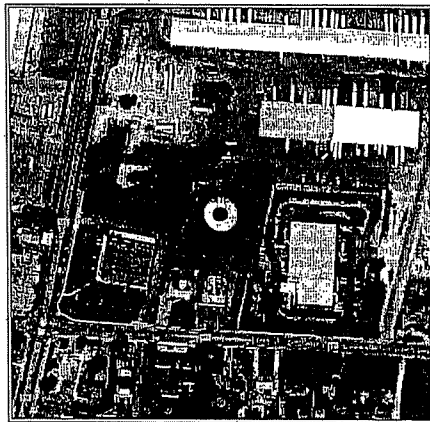
CONTACT: ROSARIO CORDELLI  
 PHONE: 908-950-0147

**LATITUDE:**

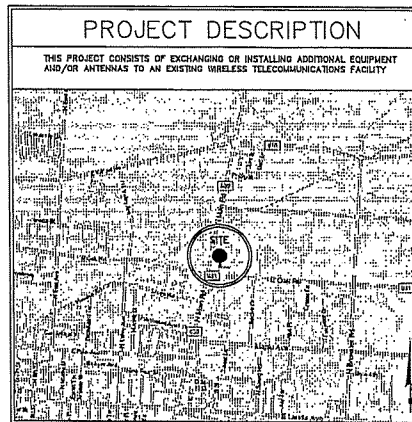
39.496444

**LONGITUDE:**

-74.932327



**AERIAL PHOTOGRAPH**  
 NTS



**LOCATION MAP**  
 NTS

**GENERAL NOTES**

1. THIS SPRINT WIRELESS FACILITY IS AN UNMANNED AND SECURED EQUIPMENT INSTALLATION. THE FACILITY IS MONITORED FROM A REMOTE FACILITY AND IN CASE OF EMERGENCY, THE LOCAL FIRE AND POLICE DEPARTMENTS SHALL BE NOTIFIED.
2. THE FACILITY IS NOT INTENDED FOR HUMAN OCCUPANCY AND SHALL VISITED BY A TRAINED SPRINT TECHNICIAN EVERY FOUR TO SIX WEEKS, THEREFORE THE FACILITY DOES NOT REQUIRE ANY WATER AND WILL NOT GENERATE ANY SOLID, LIQUID, OR OTHER WASTE.
3. EXISTING ACCESS AND ON-SITE PARKING SHALL BE UTILIZED.
4. CONNECTIONS FOR ELECTRICAL AND TELEPHONE UTILITIES ARE TO BE DETERMINED BY THE JURISDICTIONAL UTILITY COMPANIES.
5. THE PROPOSED FACILITY SHALL INCLUDE A SIGN IN ACCORDANCE WITH FCC RULES ON RADIO FREQUENCY CLASSIFICATION OF CFR 47.1307(a).
6. CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS AND CONDITIONS ON THE SITE. CONTRACTOR SHALL NOTIFY SPRINT REPRESENTATIVE IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE PROJECT. FAILING TO NOTIFY SPRINT REPRESENTATIVE PLACES THE RESPONSIBILITY ON THE CONTRACTOR TO CORRECT THE DISCREPANCIES AT THE CONTRACTOR'S EXPENSE.
7. THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE PROJECT SITE AND FAMILIARIZING THEMSELVES WITH THE PROJECT. CONTRACTOR'S SUBMISSION OF BID ASSURES UNDERSTANDING OF THE ENTIRE PROJECT.
8. THE CONTRACTOR AND ALL SUB-CONTRACTORS SHALL BE LICENSED AND INSURED TO PERFORM THIS WORK IN THE PROJECT JURISDICTION.
9. THE INFORMATION ON THESE DRAWINGS HAS BEEN PREPARED TO SHOW THE GENERAL CONSTRUCTION PROCEDURES, INTENT, AND INFORMATION TO COMPLETE THE JOB. MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND/OR SPECIFICATIONS SHALL NOT EXCUSE THE CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK PERFORMED AND MATERIALS INSTALLED TO BE IN STRICT CONFORMANCE AS A MINIMUM STANDARD WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES HAVING JURISDICTION. ELECTRICAL SYSTEMS SHALL BE INSTALLED IN CONFORMANCE WITH THE NATIONAL ELECTRIC CODE, AND ALL OTHER LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES AND WITH LOCAL UTILITY COMPANY SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.
11. THE CONTRACTOR SHALL PROVIDE A FULL (LATEST EDITION) SET OF CONSTRUCTION DRAWINGS ON-SITE DURING CONSTRUCTION, AND MARK ANY REVISIONS DURING THE COURSE OF CONSTRUCTION.
12. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL INSPECTIONS (LOCAL, COUNTY, AND STATE) REQUIRED TO OBTAIN CERTIFICATE OF OCCUPANCY FROM THE LOCAL BUILDING DEPARTMENT.
13. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION SCHEDULES BETWEEN THEMSELVES AND SUB-CONTRACTORS TO AVOID ANY POSSIBLE DELAYS IN CONSTRUCTION.
14. ALL CONTRACTORS SHALL COMPLY WITH ALL OSHA REQUIREMENTS APPLICABLE TO THIS PROJECT.
15. THE CONTRACTOR SHALL NOT SCHEDULE OR PERFORM ANY WORK WITHOUT APPROVAL FROM TOWER OWNER, LANDLORD, AND MUNICIPALITY.
16. CONTRACTOR SHALL KEEP CONTRACT AREA CLEAN, HAZARD FREE AND DEPOSE OF ALL DIRT, STUMPS, RUBBISH, OR DEBRIS IN ACCORDANCE WITH ALL LOCAL AND ENVIRONMENTAL LAWS. NO MATERIALS OR EQUIPMENT SHALL BE PLACED ANYWHERE ON THE PROPERTY WITHOUT HAVING PROVIDED TO PROTECT EXISTING CONDITIONS. CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND WITH ADJACENT SURFACES.
17. ALL UNDERGROUND UTILITIES SHOWN EXISTING AND PROPOSED, HAVE BEEN DETERMINED BY SURFACE INVESTIGATIONS AND EXISTING PLANS OBTAINED FROM THE BUILDING DEPARTMENT. CONTRACTOR SHALL LOCATE ALL APPLICABLE UNDERGROUND UTILITIES BY CALLING THE LOCAL DIS SERVICE NUMBER, PRIOR TO ANY SITE WORK.
18. NO COMMERCIAL SIGNS ARE PROPOSED.
19. THE PROPOSED FACILITY WILL NOT GENERATE ANY NOISE, DUST, FUMES, ODORS OR VIBRATIONS.

**INDEX OF DRAWINGS**

NO.	TITLE	DATE
T-1	TITLE SHEET	5/30/14
SP-1	SPECIFICATIONS	5/30/14
A-1	COMPOUND PLAN, ENLARGED PLATFORM PLAN	5/30/14
A-2	ELEVATION, ENLARGED ANTENNA PLAN & MOUNTING DETAILS	5/30/14
A-3	ANTENNA, RRH AND CABLE SPECS., ANTENNA CABLE CHART, BOM	5/30/14
A-4	FIBER CONNECTIVITY DETAILS	5/30/14
G-1	GROUNDING AND WATERPROOFING DETAILS	5/30/14
E-1	ELECTRICAL DETAILS	5/30/14

**GENERAL REQUIREMENTS:**

- 1. THESE SPECIFICATIONS AND CONSTRUCTION DRAWINGS ACCOMPANYING THEM DESCRIBE THE WORK TO BE DONE AND THE MATERIALS TO BE FURNISHED FOR CONSTRUCTION.
2. THE INTENT OF THE DOCUMENTS IS TO INCLUDE ALL LABOR AND MATERIALS REASONABLY NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK AS ESTABLISHED IN THE CONTRACT.
3. THE PURPOSE OF THE SPECIFICATIONS IS TO INTERPRET THE INTENT OF THE DRAWINGS AND TO RESOLVE THE METHOD OF THE PROCEDURE, TYPE AND QUALITY OF THE MATERIALS REQUIRED TO COMPLETE THE WORK.
4. MINOR DEVIATIONS FROM THE DESIGN LAYOUT ARE ANTICIPATED AND SHALL BE CONSIDERED AS PART OF THE WORK. NO CHANGES THAT ALTER THE CHARACTER OF THE WORK WILL BE MADE OR PERMITTED BY THE OWNER WITHOUT ISSUING A CHANGE ORDER.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL MEASUREMENTS AT THE SITE BEFORE ORDERING ANY MATERIALS OR BEFORE ANY WORK. NO EXTRA CHARGE OR COMPENSATION SHALL BE ALLOWED DUE TO DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND DIMENSIONS INDICATED ON THE CONSTRUCTION DRAWINGS. ANY SUCH DISCREPANCY IN DIMENSION WHICH MAY BE FOUND SHALL BE SUBMITTED TO THE OWNER FOR CONSIDERATION BEFORE THE CONTRACTOR PROCEEDS WITH WORK IN THE AFFECTED AREA.
6. THE BIDDER IF AWARDED THE CONTRACT, WILL NOT BE ALLOWED ANY EXTRA COMPENSATION BY REASON OF ANY HAZARD OR THING CONCERNING WHICH SUCH BIDDER MIGHT HAVE FULLY INFORMED THEMSELVES PRIOR TO THE BIDDING.
7. NO PIECE OF KNOWLEDGE OF CONDITIONS THAT EXIST, OR DIFFICULTIES OR CONDITIONS THAT MAY BE ENCOUNTERED OR OF ANY OTHER RELEVANT MATTER CONCERNING THE WORK TO BE PERFORMED IN THE EXECUTION OF THE WORK WILL BE ACCEPTED AS AN EXCUSE FOR ANY FAILURE OR OMISSION ON THE PART OF THE CONTRACTOR TO FURNISH EVERY DETAIL OF ALL THE REQUIREMENTS OF THE CONTRACT DOCUMENTS GOVERNING THE WORK.
8. CONTRACTOR SHALL AT THEIR OWN EXPENSE CARRY AND MAINTAIN FOR THE DURATION OF THE PROJECT ALL INSURANCE AS REQUIRED AND LISTED AND SHALL NOT COME INTO CONTACT WITH OTHER WORK UNLESS THEY HAVE PRESENTED AN ORIGINAL CERTIFICATE OF INSURANCE STATING ALL COVERAGE TO THE OWNER, REFER TO THE MASTER AGREEMENT FOR REQUIRED INSURANCE LIMIT.
9. THE OWNER SHALL BE HELD AS AN ADDITIONAL INSURED ON ALL POLICIES.
10. CONTRACTOR MUST PROVIDE PROOF OF INSURANCE.
11. GENERAL CAPACITY, ELECTRICAL, AND ANTENNA DRAWINGS ARE INTERRELATED. IN PERFORMANCE OF THE WORK, THE CONTRACTOR MUST REFER TO ALL DRAWINGS, ALL CONTRIBUTION TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
12. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AS REQUIRED AND LISTED IN THESE SPECIFICATIONS TO THE OWNER FOR APPROVAL.
13. ALL SHOP DRAWINGS SHALL BE REVIEWED, CHECKED AND CORRECTED BY CONTRACTOR PRIOR TO SUBMITTAL TO THE OWNER.
14. REQUIRED STATE AND FEDERAL APPROVAL HAVE BEEN OBTAINED INCLUDING, BUT NOT LIMITED TO:
-FINAL INSPECTION
-CERTIFICATE OF OCCUPANCY
15. ANY DEPENDENCIES THAT COME EXIST DURING THIS ONE (1) YEAR PERIOD SHALL BE CORRECTED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
16. THE CONTRACTOR SHALL GUARANTEE ALL LABOR AND MATERIALS USED IN THIS PROJECT FOR A MINIMUM PERIOD ONE (1) YEAR COMMENCING FROM THE DATE OF FINAL ACCEPTANCE BY THE CLIENT.
17. FINAL DATE OF ACCEPTANCE IS DEEMED AS THE DATE THAT ALL

**CONSTRUCTION SAFETY:**

- 1. ATTENTION IS DIRECTED TO FEDERAL, STATE, AND LOCAL LAWS RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH STANDARDS. THE CONSTRUCTION COMPANY AWARDED THE PROJECT SHALL INSURE ALL WORKING CONDITIONS AND CONDITIONS ARE SANITARY, AND ARE NOT HAZARDOUS OR DANGEROUS TO THE HEALTH OR SAFETY OF THE WORK CREW AND BUILDING OCCUPANTS. PRECAUTION SHALL BE EXERCISED AT ALL TIMES FOR THE PROTECTION OF PERSONS AND PROPERTY. IT IS MANDATORY THAT THE SAFETY PROVISIONS OF APPLICABLE LOCAL LAWS, STATE REGULATIONS AND BUILDING AND CONSTRUCTION CODES, BE OBSERVED FOR ALL CONTRACTORS AND ANTENNA ROGERS.
2. THE GENERAL CONTRACTOR MUST COORDINATE ALL ROOF RELATED WITH THE LANDSCAPE PRE APPROVED ROUTES. THE GENERAL CONTRACTOR MUST CONTAIN THE CONTAMINITY OF ALL PROPOSED AND EXISTING MATERIALS AND ENSURE THAT ALL EXISTING ROOF WARRANTIES, IF ANY, REMAIN IN EFFECT.
3. ALL PRECAUTIONS AND MEASURES WILL BE TAKEN TO INSURE THE SAFETY OF THE OCCUPANTS OF THE BUILDING AS WELL AS THE SAFETY OF THE PEDESTRIANS BELOW.
4. BARRICADES WILL BE ERRECTED SEPARATING WORK AREAS FROM ALL PUBLIC SPACES AS REQUIRED.
5. ALL FIRE AND OTHER REQUIRED EXITS, WAY OF APPROACH THERE TO AND WAY OF TRAVEL FROM THE EXIT TO THE STREET SHALL BE CONTINUOUSLY MAINTAINED FREE FOR UNOBSTRUCTED ESCAPE.
6. PROVIDE A PORTABLE FIRE EXTINGUISHER(S) WITH A RATING HOT LESS THAN 2-A OR 2-A100 WITHIN 75FT OF ALL PORTIONS OF THE WORK AREA.

**SPRINT METHOD OF PROCEDURE:**

- 1. CONTRACTOR SHALL PERFORM WORK AS DESCRIBED IN:
A. COAX CABLE CODING SWEEPS AND FIBER TESTING 10-0200 AND EL-0050, LATEST REVISIONS.
B. CABLE LABELING EN-2012-00
C. ALL APPLICABLE INSTALLATION METHOD OF PROCEDURES IDENTIFIED ELSEWHERE IN THE CONTRACT DOCUMENTS.
2. COMPANY FURNISHED MATERIAL AND EQUIPMENT IS IDENTIFIED ON THE SPRINT RF DATE SHEET. CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE FINAL RF FROM SPRINT.
3. CONTRACTOR IS RESPONSIBLE FOR SPRINT PROVIDED MATERIAL AND EQUIPMENT TO ENSURE IT IS PROTECTED AND HANDLED PROPERLY THROUGHOUT THE CONSTRUCTION PERIOD.
4. CONTRACTOR IS RESPONSIBLE FOR RECEIPT OF SPRINT FURNISHED EQUIPMENT AT CELL SITE OR CONTRACTORS LOCATION. CONTRACTOR TO COMPLETE SHIPPING AND RECEIPT DOCUMENTATION IN ACCORDANCE WITH COMPANY PRACTICE.

**SUBMITTALS & TESTS:**

- 1. AT THE COMPANY'S REQUEST, ANY ALTERNATIVES TO THE MATERIALS OR METHODS SPECIFIED SHALL BE SUBMITTED TO SPRINT'S CONSTRUCTION MANAGER FOR APPROVAL. SPRINT WILL REVIEW AND APPROVE ONLY THOSE REQUESTS MADE IN WRITING. NO VERBAL APPROVALS WILL BE CONSIDERED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION TESTS, INSPECTIONS AND PROJECT DOCUMENTATION.
3. CONTRACTOR SHALL ACCOMPLISH TESTING INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
A. COAX SWEEPS AND FIBER TESTS PER CURRENT VERSION 10-0300 ANTENNA LINE ACCEPTANCE STANDARDS.
B. ASL, ADJUST, AND DOWNWELL PROVIDE AN AUTOMATED REPORT UPLOADED TO SIBERNA USING A COMMERCIAL MAKE FOR THE PURPOSES OF ELECTRONIC ANTENNA ALIGNMENT TOOL. INSTALLED ADJUST, CENTERLINE AND DOWNWELL MUST CONFORM WITH THE RF CONFIGURATION DATA.
C. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CONNECTIONS TO ANY WORK IDENTIFIED AS UNACCEPTABLE IN SITE INSPECTION ACTIVITIES AND/OR AS A RESULT OF TESTING.
4. ALL TESTING REQUIRED BY APPLICABLE INSTALLATION NOTES!
4. REQUIRED BLOOMSBURG DOCUMENTATION INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:
A. ADJUST, DOWNWELL, ASL FROM SUNSHINE INSTRUMENTS - ANTENNA/ALIGNMENT TOOL.
B. SWEEP AND FIBER TESTS.
C. SEALABLE BARCODE PHOTOGRAPHS OF TOWER TOP AND INACCESSIBLE SERIALIZED EQUIPMENT.
D. ALL AVAILABLE JURISDICTIONAL PERMIT AND OCCUPANCY INFORMATION.
E. PDF SCAN OF RESUBLINE PROVIDED IN FIELD.
F. A PDF SCAN OF REDLINE MARK-UPS SUITABLE FOR USE IN ELECTRONIC AS-BUILT DRAWING PRODUCTION.
G. UEN WAVEFORMS.
H. FINAL PAYMENT APPLICATION.
I. REQUIRED FINAL CONSTRUCTION PHOTOS.
J. CONSTRUCTION AND COMMISSIONING CHECKLIST COMPLETE WITH NO DEFICIENT ITEMS.
K. APPLICABLE POST NTP TASKS INCLUDING DOCUMENT UPDATES COMPLETED IN SIBERNA.
L. CLOSETTED PHOTOGRAPHS AND CLOSETTED CHECKLIST. SPRINT WILL PROVIDE SEPARATE GUIDANCE.

**ANTENNA, RRU, HYBRID/FIBER ONLY CABLE:**

- 1. CONTRACTOR IS RESPONSIBLE TO INSURE THEY HAVE THE LATEST VERSION OF THE SPRINT RADIO FREQUENCY DATA SHEET. THERE ARE ANY DISCREPANCIES BETWEEN THE RFDS AND THE CONSTRUCTION DRAWINGS, CONTRACTOR MUST IMMEDIATELY NOTIFY SPRINT CONSTRUCTION MANAGER.
2. ANTENNAS AND RRUs SHALL BE INSTALLED AS PER CONSTRUCTION DRAWINGS.
3. CONTRACTOR SHALL ASSURE ALL ANTENNAS OUSTE IN ACCORDANCE WITH THE INSTRUCTIONS SUPPLIED BY THE MANUFACTURER. ANTENNA HEIGHT, ADJUST, AND FEED ORIENTATION INFORMATION SHALL BE AS NOTED INDICATED ON THE CONSTRUCTION DRAWINGS. SPRINT RFDS SHALL OVERRIDE CONSTRUCTION DRAWINGS.
4. CONTRACTOR SHALL PROVIDE ANTENNA MOUNTING HARDWARE AS INDICATED ON THE CONSTRUCTION DRAWINGS.

**SPECIAL CONSTRUCTION REQUIREMENTS:**

- A. GENERAL CONTRACTOR TO FIELD VERIFY ADJUST, ASL AND CENTER LINE HEIGHT AND MECHANICAL DOWNWELL. IF DIFFERENT THAN CALLED OUT ON RFDS AND ON CONSTRUCTION DRAWINGS, CONTRACTOR SHALL HALT ANTENNA WORK FOR ONE HOUR, CALL SPRINT RF ENGINEER OR MANAGER IF RF ENGINEER DOES NOT ANSWER, BUT STILL LEAVE A MESSAGE TO RF ENGINEER FOR FURTHER INSTRUCTION. IF SPRINT DOES NOT RESPOND WITHIN ONE HOUR, PLACE SPRINT ANTENNA AT SAME CENTERLINE HEIGHT AS EXISTING NETWORK VISION ANTENNA, AND EMAIL CORRECT CENTERLINE HEIGHT AND ADJUST TO SPRINT RF ENGINEER. UPDATE AS-BUILT DRAWING WITH CORRECT CENTERLINE HEIGHT. ALSO EMAIL CORRECT NETWORK VISION CENTERLINE HEIGHT, ADJUST, AND MECHANICAL DOWNWELL TO RF ENGINEER.
B. ALSO TEST TO VERIFY OPERATION IS TO BE PERFORMED AFTER FINAL INSTALLATION OF ANTENNAS AND ALSO CABLES HAVE BEEN CONNECTED. VERIFY OPERATION OF ALL EXISTING TEST AND EQUIPMENT INCLUDING NETWORK VISION AND 3.5Ghz. TESTS INCLUDE: COMPLETE DOWNWELL, ADJUST, UP (AS APPLICABLE) AND DOWNWELL SWINGS (IF APPLICABLE). DOCUMENT AISC TEST RESULTS IN COAX SWEEP TEST SPREADSHEET.
C. GENERAL CONTRACTOR MUST INSURE THAT NO OBJECT IS LOCATED IN FRONT OF ANTENNA OR NO OBJECT IS TO BE WITHIN 45 DEGREES LEFT AND RIGHT OF FRONT OF ANTENNA OR 7 DEGREES UP AND DOWN FROM CENTER OF ANTENNA. IF THIS IS NOT POSSIBLE, CONTACT RF ENGINEER FOR FURTHER INSTRUCTION. IN ADDITION, LEGS ANTENNA IS NOT TO BE PLACED IN FRONT OF ANY OTHER ANTENNA USING THE SAME 45 DEGREE RULE. THIS INCLUDES SPRINT AND NON-SPRINT ANTENNAS.
D. GENERAL CONTRACTOR IS REQUIRED TO USE A DIGITAL ALIGNMENT TOOL TO SET ADJUST, ROLL, AND DOWNWELL. ADJUSTMENT ACCURACY IS TO BE WITHIN 1 DEGREE. DOWNWELL AND ROLL LEFT TO RIGHT MUST BE TO WITHIN 0.1 DEGREE FOR EACH LEG. THIS ACCURACY CANNOT BE ACHIEVED, UPDATE AS-BUILT DRAWING AND EMAIL SPRINT RF ENGINEER WITH AS-BUILT SETTINGS. USE 3/8" R ALIGNMENT TOOL OR APPROVED EQUIV.

**HYBRID / FIBER ONLY CABLES:**

- 1. CONTRACTOR SHALL PROVIDE ANTENNA MOUNTING HARDWARE AS INDICATED ON THE CONSTRUCTION DRAWINGS.
2. CONTRACTOR SHALL ROUTE, TEST, AND INSTALL ALL CABLES AS INDICATED ON THE CONSTRUCTION DRAWINGS AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
3. THE INSTALLED RADIUS OF THE CABLES SHALL NOT BE LESS THAN THE MANUFACTURER'S SPECIFICATIONS FOR BENDING RADIUS.
4. EXTENDED CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE CABLES DURING HANDLING AND INSTALLATION.
5. FURNISHED MAIN CABLES, ALL CABLES SHALL BE INSTALLED WITH CABLE SUPPORT CMPS AS REQUIRED BY THE MANUFACTURER.
6. FIBER BUNDLES ABOVE BREAKOUT SHALL BE SUPPORTED USING 3" VELCRO STRAPS OF THE REQUIRED LENGTH AT 16" DC. STRAPS SHALL BE UV, DL, AND WATER RESISTANT AND SUITABLE FOR INDUSTRIAL INSTALLATIONS.
7. DC BUNDLES ABOVE BREAKOUT SHALL BE SUPPORTED WITH ZIP TIES OF THE ADEQUATE LENGTH, ZIP TIES TO BE UV STABILIZED, BLACK NYLON, WITH TENSILE STRENGTH OF 14,000 PSI.
8. CABLE JUMPER SHALL BE SUPPORTED TO SIDE ARMS OR HEAD FRAMES USING STAINLESS STEEL ZIP TIES OR STAINLESS STEEL BUTTERFLY CLIPS.
9. MAIN CABLE INSTALLATION:
A. CONTRACTOR SHALL INSPECT CABLE PRIOR TO USE FOR SHIPPING DAMAGE, AND NOTIFY SPRINT CONSTRUCTION MANAGER IF ANY DAMAGE IS OBSERVED.
B. CABLE ROUTING/INSTALLATION SHALL BE PLANNED TO ENSURE THAT THE LINES WILL BE PROPERLY ROUTED IN THE CABLE ENVELOPE AS INDICATED ON THE DRAWINGS, AND SHALL AVOID TWISTS AND CROSCROSSERS.
C. MOST CABLE USING PROPER HOISTING CMPS. DO NOT EXCEED MANUFACTURER'S RECOMMENDED MAXIMUM ROOF LOADS.
D. TRANSMISSION LINES SHALL BE GROUNDED AS INDICATED ON THE DRAWINGS.
E. ALL MAIN CABLE, DC BUNDLES, FIBER BUNDLES, AND JUMPER CABLES SHALL BE COLOR CODED AS REQUIRED BY TS 0200 LATEST REVISION.
WEATHERPROOFING AND GROUND KITS:
A. ALL HYBRID, FIBER CABLES, CONNECTORS, AND GROUND KITS SHALL BE WEATHER PROOFED.
B. CONTRACTOR MAY USE EITHER OF THE TWO STANDARD INDUSTRY PRACTICE WEATHERPROOFING METHODS BUT MUST BE CONSISTENT WITH THE METHOD THROUGHOUT THE ENTIRE PROJECT.
C. COLD SHRINK: ETECHONPASS CONNECTOR IN COLD SHRINK TUBING AND PROVIDE A DOUBLE WRAP OF 2" ELECTRICAL TAPE EXTENDING 3" BEYOND TUBING. PROVIDE 3M COLD SHRINK DCS CORES OR SPRINT APPROVED EQUIV.
D. SELF-AMALGAMATING TAPE: CLEAN SURFACES. APPLY A DOUBLE WRAP OF SELF AMALGAMATING TAPE 2" BEYOND CONNECTOR. APPLY A SECOND WRAP OF SELF AMALGAMATING TAPE 2" OPPOSITE END OF WRAP. APPLY DOUBLE WRAP OF 2" SELF ELECTRICAL TAPE EXTENDING 2" BEYOND THE SELF AMALGAMATING TAPE.
E. OPEN PLAN ON JOB SITE IS NOT ACCEPTABLE.

**GROUNDING:**

- 1. WHEN DESIGNING A GROUNDING SYSTEM FOR A MOBILE RADIO FACILITY THERE ARE FOUR INTERRELATED AREAS OF CONCERN. THE BASIC OBJECTIVE FOR EACH IS:
A. LIGHTNING PROTECTION-TO MAINTAIN ALL EQUIPMENT AT THE SAME POTENTIAL DURING A LIGHTNING PULSE.
B. RF FOR NOISE REDUCTION CONTROL-TO ESTABLISH THE LOWEST POSSIBLE IMPEDANCE AROUND ALL EQUIPMENT.
C. ELECTROSTATIC CONTROL-TO REDUCE ELECTROSTATIC DISCHARGE PROBLEMS.
D. PERSONNEL SAFETY-TO MAINTAIN A MINIMUM VOLTAGE DIFFERENCE BETWEEN ANY TWO METALLIC OBJECTS WHICH PERSONNEL MIGHT CONTACT SIMULTANEOUSLY.
2. IT IS URGENT THAT THE GROUNDING CONDUCTORS BE AS STRAIGHT AS POSSIBLE WITH NO 90 DEGREE OR SHARP BENDS EXCEPT WHERE NECESSARY WITH A THREE FOOT RADIUS. NO RIGHT ANGLE OR SHARP BENDS SHALL BE ALLOWED.
3. ALL SURFACES REQUIRE PREPARATION PRIOR TO BONDING OF EITHER CAD WELD OR FASTENERS. GALVANIZED SURFACES SHALL BE GROUND OR SAUNDED TO THE POINT OF EXPOSING THE STEEL SURFACE BELOW. PRIOR TO BONDING THE GROUND CONDUCTOR, FOR OTHER SURFACES INCLUDING COPPER BUSES SHALL ALL POLISH MUST BE THOROUGH AND CRACKS SHALL BE REMOVED PRIOR TO BONDING THE GROUND CONDUCTOR. CAD WELD TYPE BONDS SHALL BE FINISHED WITH THE APPLICATION OF COLD GALVANIZATION AND WITH APPLICABLE FINISH PROVIDED ON THE APPROPRIATE COLOR AS REQUIRED. MECHANICAL TYPE BONDS ON BUSES SHALL BE FINISHED WITH THE APPLICATION OF HOLOAN OR OTHER APPROVED CONDUCTIVE MEDIUM MATERIAL BETWEEN CONDUCTOR AND BUSES BAR. MECHANICAL TYPE BONDS ON ALL OTHER SURFACES SHALL BE FINISHED WITH THE APPLICATION OF COLD GALVANIZATION AND OR THE APPROPRIATE PAINT TO MATCH AS REQUIRED.
4. GROUNDING SHALL COMPLY WITH NEC.
5. CONNECTIONS TO GROUND BARS EXCEPT WHERE NOTED ON THE DRAWINGS SHALL BE TWO HOLE LUG.
6. IF NOT EXISTING, HOLES RUN GROUND SHALL BE #2 SOLID THREADED BARE COPPER WIRE, AND CABLED CONNECTIONS TO ALL GROUND BARS.
7. CONDUCTORS ON TOWER IMPROVEMENT SITES.
8. ALL GROUNDING CONDUCTORS SHALL BE ALONG THE SHORTEST AND HIGHEST PATH POSSIBLE AS NOT TO INTERFERE WITH ANY EXISTING EQUIPMENT.
9. DO NOT ALLOW BARE COPPER WIRE IN CONTACT WITH GALVANIZED STEEL.
10. ONCE INSTALLED CONDUIT SHALL BE APPLIED TO ALL COMPRESSION TYPE AND TWO HOLE LUG GROUND CONNECTIONS.
11. ALL GROUND WIRES FROM EQUIPMENT LOCATED AT THE SPRINT CONCRETE PAD SHALL BE UNCOATED WITH 1/2" COPPER BONDING BEHIND ENTERING GRADE LEVEL, AND SEALED WITH SILICONE.
12. ALL CABLE BUNDLES LOCATED SHALL BE GROUNDED VIA TWO HOLE LUG TYPE CONNECTION WITH #4 COPPER STRAIGHT BARE WITH GREEN ISOLATION.
13. ALL CONDUCTORS AT GROUND BARS SHALL BE IN A NEAT AND CONSECUTIVE ORDER.
14. GROUNDING CONNECTIONS SHALL NOT BE INSTALLED OR ROUTED THROUGH HOLES IN ANY METAL OBJECTS UNLESS PROPERLY SEALED WITH PVC GROUT.
15. METAL WIRE CLIPS ARE PROHIBITED. USE PLASTIC WIRE CLIPS ONLY.
16. GROUNDING CONNECTION TO THE EQUIPMENT CABINETS SHALL BE MADE BY CONNECTING THE GROUND WIRE FROM THE BUSES BAR IN THE CABINETS TO THE GROUND ROD.
17. IF APPLICABLE, CONTRACTOR SHALL PHOTOGRAPH GROUND ROD AND ALL CABLED PRIOR TO BACKFILL AND PROVIDE PHOTOS TO SPRINT PROJECT MANAGER.
18. ANY CHANGES TO GROUNDING SPECIFICATIONS MUST BE RELATED TO AND APPROVED BY ENGINEER.
19. GROUNDING SYSTEM SHALL HAVE A RESISTANCE RATING OF 5 OHMS OR LESS. CONTRACTOR SHALL SUBMIT FINAL TESTING RESULTS TO SPRINT PROJECT MANAGER.
20. THE GROUNDING SYSTEM HAS BEEN DESIGNED TO GENERAL WIRELESS TELECOM SPECIFICATIONS. ANY ADDITIONAL CLIENT SPECIFIC REQUIREMENTS SHALL BE COORDINATED BETWEEN THE CONTRACTOR AND SPRINT PROJECT MANAGER.

**ELECTRICAL:**

- 1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC, AND ALL APPLICABLE CODES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EXISTING AND PROPOSED EQUIPMENT IS NOT BLOCKED.
3. EACH END OF EVERY POWER, GROUNDING, AND TT CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR CODED INSULATION OR ELECTRICAL TAPE (3M BRAND), PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL. THE IDENTIFICATION METHOD SHALL CONFORM WITH THE NEC AND OSHA REQUIREMENTS.
4. POWER PHASE CONDUCTORS SHALL BE LABELED WITH COLOR CODED INSULATION OR ELECTRICAL TAPE. PHASE CONDUCTOR COLOR CODES SHALL CONFORM WITH THE NEC AND OSHA REQUIREMENTS.
5. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING, AND BRANCH CIRCUIT ID NUMBERS.
6. PANEL BOARDS AND INTERNAL CIRCUIT BREAKERS SHALL BE CLEARLY LABELED.
7. ELECTRICAL METALLIC TUBING (EMT) OR RIGID NONMETALLIC CONDUIT SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
8. ELECTRICAL METALLIC TUBING (EMT), ELECTRICAL NON METALLIC TUBING (ENT), OR RIGID NON METALLIC CONDUIT SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
9. GALVANIZED STEEL INTERMEDIATE METALLIC CONDUIT (IMC) SHALL BE USED FOR OUTDOOR LOCATIONS ABOVE GRADE.
10. RIGID NON METALLIC CONDUIT SHALL BE USED UNDERGROUND, DIRECT BURIED, IN AREAS OF OCCASIONAL LIGHT VEHICLE TRAFFIC OR EXCESS IN REINFORCED CONCRETE IN AREAS OF HEAVY VEHICLE TRAFFIC.
11. LUGS-TO THE FLEXIBLE METALLIC CONDUIT SHALL BE USED INDOORS AND OUTDOORS WHERE VIBRATION OCCURS AND FLEXIBILITY IS NEEDED.
12. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION TYPE AND APPROVED FOR THE LOCATION USED.
13. WIREWAYS SHALL BE EPOXY COATED AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARD. SHALL BE PARALLEL TYPE E (OR EQUAL); AHD RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3B (OR BETTER) OUTDOORS.
14. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE GALVANIZED OR EPOXY COATED SHEET METAL. SHALL MEET OR EXCEED UL 50, AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3B (OR BETTER) OUTDOORS.
15. METAL RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY COATED, OR NON-CORRODING, SHALL MEET OR EXCEED UL 514 AND NEMA OS II; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
16. NON METALLIC RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2, AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
17. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY AUTHORIZATIONS AND PERMITS BEFORE COMMENCING ELECTRICAL WORK.
18. CONTRACTOR SHALL PROVIDE NECESSARY TAGGING OF THE BREAKERS, CABLES, DISTRIBUTION PANELS, IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD AGAINST LIFE AND PROPERTY.



18 BROADWAY, SUITE 1110  
CLARK TOWNSHIP, NJ 07067

THESE DRAWINGS ARE FORWARDED TO BE FULL SIZE AT 21"x34". IF DRAWINGS ARE 11"x17" THEY ARE TO BE CONSIDERED HALF SCALE AS INDICATED ON THE BARE CLOUDS BELOW EACH DRAWING CONFORMANCE.



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T:201-444-0700 F:201-444-9710

REV.	DATE	REVISION DESCRIPTION	BY
5/20/14		FINAL	AJ
4/18/14		FOR REVIEW	AJ

PROJECT ID: **PL13XC370**  
(25 EQUIPMENT DEPLOYMENT)

PRODUCT LOCATION:  
1690 EAST OAK ROAD  
VINELAND, NJ 08362  
CLUMBERLAND COUNTY

DRAWING TITLE:  
**SPECIFICATIONS**

DRAWN BY	PKG	SHEET #
TRV/EW/SM		<b>SP-1</b>
DATE	4/18/14	



THESE DRAWINGS ARE FORMATTED TO BE FULL SIZE AT 30" X 42". IF DRAWINGS ARE PLOTTED THEY ARE TO BE CONSIDERED HALF SCALE AS INDICATED ON THE FULL SCALE BELOW EACH DRAWING COMPONENT.



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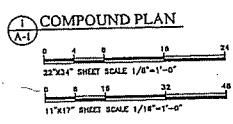
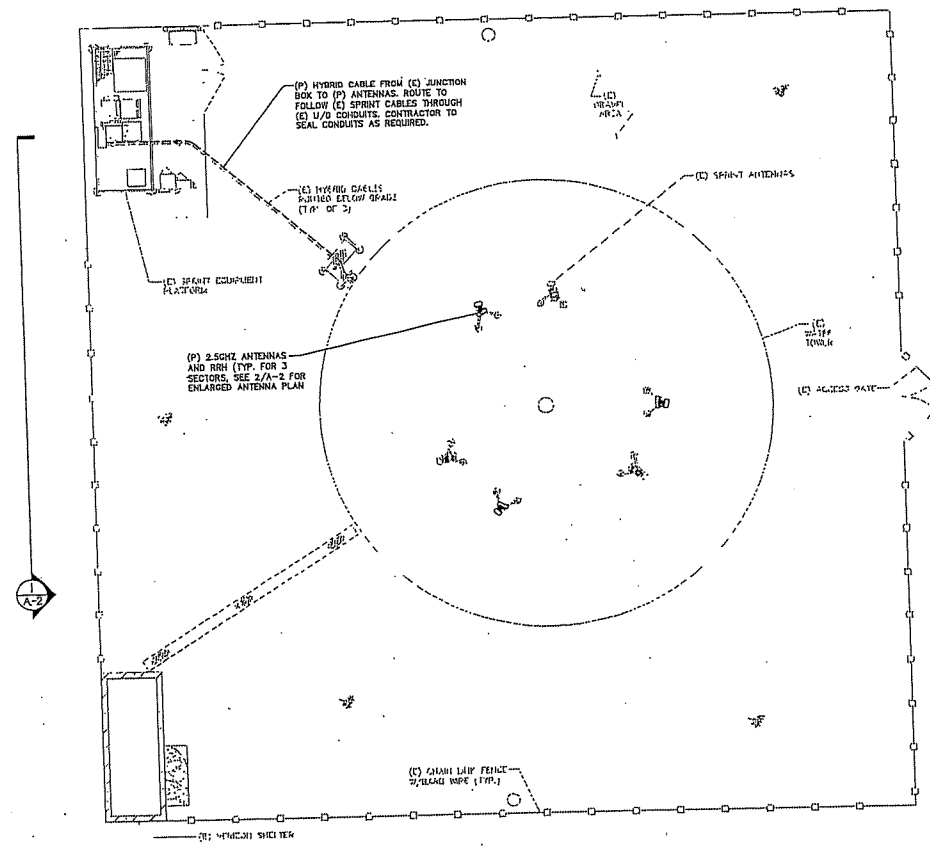
REV.	DATE	REVISION DESCRIPTION	BY
3/20/14		FINAL	AJ
4/20/14		FOR REVIEW	AJ

PROJECT ID #  
**PL13XC370**  
(2.5 EQUIPMENT DEPLOYMENT)

PROJECT LOCATION  
1690 EAST OAK ROAD  
VINELAND, NJ 08362  
CUMBERLAND COUNTY

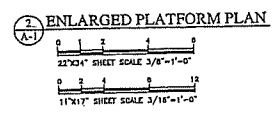
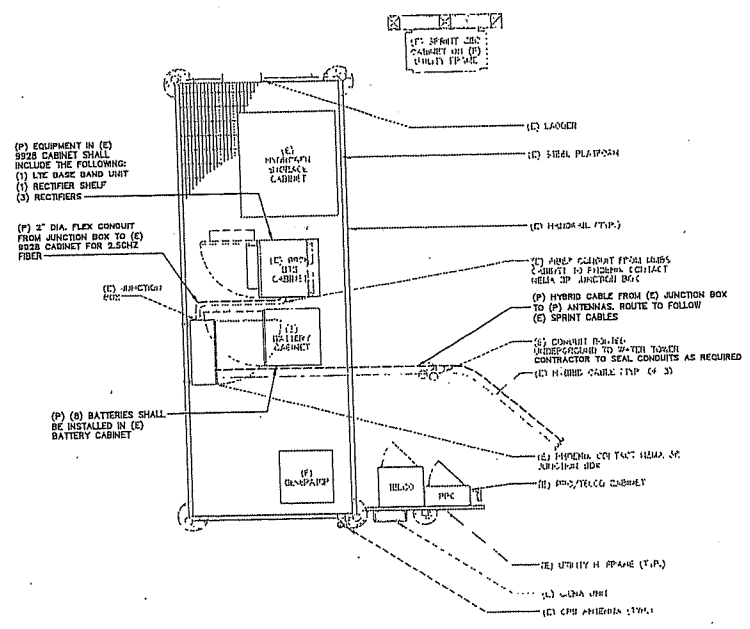
DRAWING TITLE:  
**COMPOUND PLAN,  
ENLARGED PLATFORM  
PLAN**

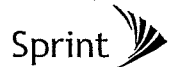
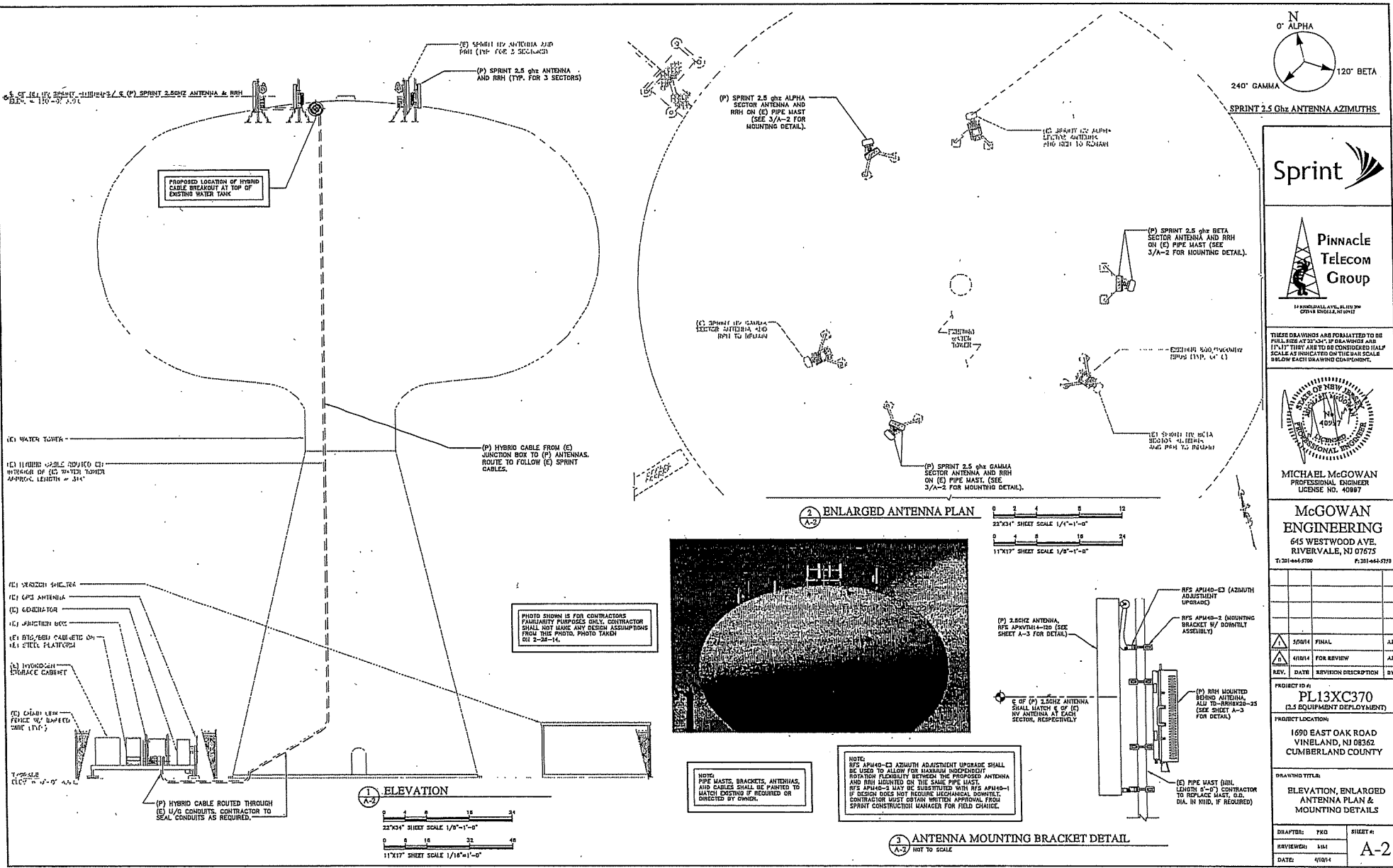
DRAWN BY:	PKO	SHEET #:	A-1
REVIEWED BY:	MJM		
DATE:	4/20/14		



EXISTING SITE AND ANTENNA INFORMATION TAKEN FROM:

- DRAWING AND SITE AUDIT COMPLETED BY FULLERTON ENGINEERING DESIGN, RIDGEWORTH, LONGOR, LABELED "2.5 AUDIT", DATED 11/15/13.
- CONSTRUCTION DRAWINGS COMPLETED BY H2AC ENGINEERING SERVICES LLC, BLUE HELL, PENNSYLVANIA LABELED "NETWORK WIRELESS MOUNTS LAUNDRY" DATED 11/28/12.
- SITE VISIT CONDUCTED BY MCGOWAN ENGINEERING ON 2/28/14.





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REV.	DATE	REVISION DESCRIPTION	BY
5/08/14		FINAL	AJ
4/08/14		FOR REVIEW	AJ

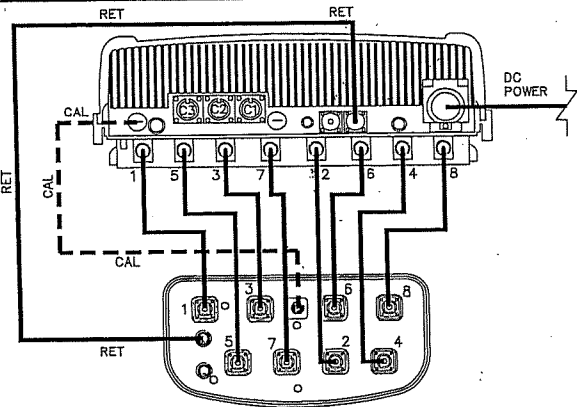
PROJECT ID #  
**PL13XC370**  
(CL# EQUIPMENT DEPLOYMENT)

PROJECT LOCATION  
1690 EAST OAK ROAD  
VINELAND, NJ 08362  
CUMBERLAND COUNTY

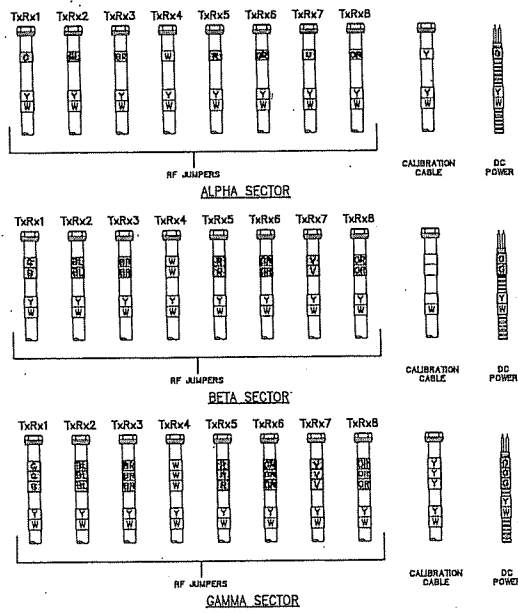
DRAWING TITLE:  
**ELEVATION, ENLARGED ANTENNA PLAN & MOUNTING DETAILS**

DRAFTER:	PKO	SHEET #:	
REVIEWER:	SJM		<b>A-2</b>
DATE:	4/10/14		





**JUMPER CABLE CONNECTIVITY DETAIL**  
 (A-3) NOT TO SCALE



**RF/POWER COLOR CODE LEGEND**

GREEN	C	20
BLUE	BL	22
BROWN	BR	23
WHITE	W	24
RED	R	25
GREY	GR	26
VIOLET	V	27
ORANGE	OR	28
YELLOW	Y	29

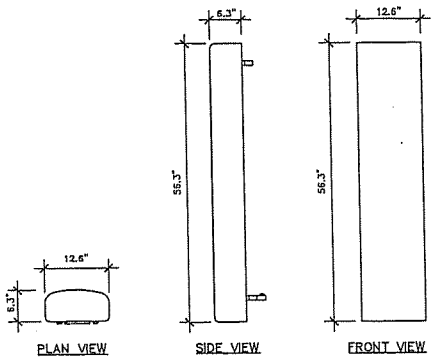
NOTE: RF JUMPER CABLES SHALL BE COLOR CODED AT BOTH ENDS BETWEEN RRH AND ANTENNA

**JUMPER CABLE COLOR CODE**  
 (A-3) NOT TO SCALE

**SPRINT ANTENNA AND CABLE SCHEDULE**

SECTORS	AZIMUTH	RRH	ANTENNA	MECHANICAL DT	ELECTRICAL DT	CABLE	COLOR CODE	CABLE LENGTH
ALPHA (HORIZONTAL VIEW)	0°	PROPOSED RCH240 & RCH240E RRH TO RRH8X20-25	EXISTING 2.5GHZ PROPOSED ANTENNA TO RRH8X20-25	EXISTING AS PER SPEC (NO CHANGE TO EXISTING)	EXISTING AS PER SPEC (NO CHANGE TO EXISTING)	PROPOSED HYBRID CABLE FEEDS ALPHA, BETA, & GAMMA SECTORS (SEE DETAIL 5/A-3) (SEE NOTE 1)	1 GREEN	TBD
ALPHA (2.5GHZ)	0°	PROPOSED RCH240 & RCH240E RRH TO RRH8X20-25	PROPOSED 2.5GHZ ANTENNA, RFS APXVTM14-C-120	0"	-2"	PROPOSED HYBRID CABLE FEEDS ALPHA, BETA, & GAMMA SECTORS (SEE DETAIL 5/A-3) (SEE NOTE 1)	TBD	TBD
BETA (HORIZONTAL VIEW)	140°	PROPOSED RCH240 & RCH240E RRH TO RRH8X20-25	EXISTING 2.5GHZ PROPOSED ANTENNA TO RRH8X20-25	EXISTING AS PER SPEC (NO CHANGE TO EXISTING)	EXISTING AS PER SPEC (NO CHANGE TO EXISTING)	PROPOSED HYBRID CABLE FEEDS ALPHA, BETA, & GAMMA SECTORS (SEE DETAIL 5/A-3) (SEE NOTE 1)	2 WHITE	315FT±
BETA (2.5GHZ)	120°	PROPOSED RCH240 & RCH240E RRH TO RRH8X20-25	PROPOSED 2.5GHZ ANTENNA, RFS APXVTM14-C-120	0"	-2"	PROPOSED HYBRID CABLE FEEDS ALPHA, BETA, & GAMMA SECTORS (SEE DETAIL 5/A-3) (SEE NOTE 1)	TBD	TBD
GAMMA (HORIZONTAL VIEW)	240°	PROPOSED RCH240 & RCH240E RRH TO RRH8X20-25	EXISTING 2.5GHZ PROPOSED ANTENNA TO RRH8X20-25	EXISTING AS PER SPEC (NO CHANGE TO EXISTING)	EXISTING AS PER SPEC (NO CHANGE TO EXISTING)	PROPOSED HYBRID CABLE FEEDS ALPHA, BETA, & GAMMA SECTORS (SEE DETAIL 5/A-3) (SEE NOTE 1)	3 WHITE	TBD
GAMMA (2.5GHZ)	240°	PROPOSED RCH240 & RCH240E RRH TO RRH8X20-25	PROPOSED 2.5GHZ ANTENNA, RFS APXVTM14-C-120	0"	-2"	PROPOSED HYBRID CABLE FEEDS ALPHA, BETA, & GAMMA SECTORS (SEE DETAIL 5/A-3) (SEE NOTE 1)	TBD	TBD

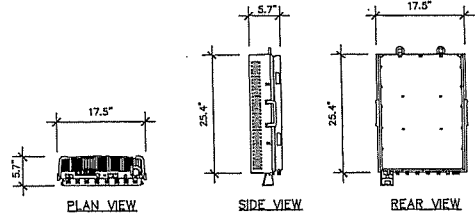
NOTE 1: PROPOSED CABLE LENGTH REPRESENTS THE APPROXIMATE DISTANCE BETWEEN THE JUNCTION BOX AT THE SPRINT PLATFORM AND THE ARR AT THE FURTHEST SECTOR. IT IS RECOMMENDED FOR THE CONTRACTOR TO CONFIRM EXISTING CABLE LENGTHS FOR ALL SECTORS FROM PREVIOUSLY COMPLETED ANTENNA SHEETS, IN ORDER TO REDUCE CABLE WASTE.



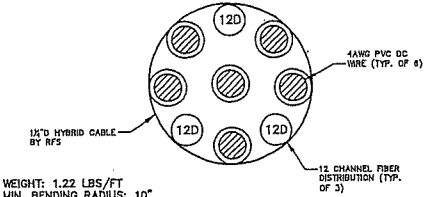
**ANTENNA DETAIL (RFS APXVTM14-C-120)**  
 (A-3) 1"-1'-0"

**ANTENNA/CABLE BILL OF MATERIALS**

ITEM	DESCRIPTION / MODEL /	QUANTITY/LENGTH
ANTENNA	RFS APXVTM14-C-120	3
RRH	ALPHEX LUCENT TD-RRH8X20-25	3
HYBRID CABLE	RFS HB114-2102411-325F	1 / 325FT
JUMPER CABLE	RFS LC12-50J (CONNECTORS PRE-INSTALLED BY MANUFACTURER)	27 / 8FT
RET CABLE	CONNECTOR ATB-881-888 (CONNECTORS PRE-INSTALLED BY MANUFACTURER)	3 / 8FT



**RRH DETAIL (TD-RRH8X20-25)**  
 (A-3) 1"-1'-0"



**HYBRID CABLE DETAIL**  
 (A-3) NOT TO SCALE

**ASSEMBLY LENGTH**

ASSEMBLY LENGTH	MODEL NUMBER	DESCRIPTION
325 FT	HB114-2102411-325F	3PA 4AWG DC, 11CH 1200-1300E FIBER, TOP 3 LWP CONNECTORS, BOTTOM 19 LC CONNECTIONS
330 FT	HB114-2102411-330F	3PA 4AWG DC, 11CH 1200-1300E FIBER, TOP 3 LWP CONNECTORS, BOTTOM 19 LC CONNECTIONS
335 FT	HB114-2102411-335F	3PA 4AWG DC, 11CH 1200-1300E FIBER, TOP 3 LWP CONNECTORS, BOTTOM 19 LC CONNECTIONS
340 FT	HB114-2102411-340F	3PA 4AWG DC, 11CH 1200-1300E FIBER, TOP 3 LWP CONNECTORS, BOTTOM 19 LC CONNECTIONS
345 FT	HB114-2102411-345F	3PA 4AWG DC, 11CH 1200-1300E FIBER, TOP 3 LWP CONNECTORS, BOTTOM 19 LC CONNECTIONS
350 FT	HB114-2102411-350F	3PA 4AWG DC, 11CH 1200-1300E FIBER, TOP 3 LWP CONNECTORS, BOTTOM 19 LC CONNECTIONS



THESE DRAWINGS ARE FORBIDDEN TO BE FULL SIZE AT 20" X 24". IF DRAWING ARE 17.5" THEY ARE TO BE DRAWN ON HALF SCALE AS INDICATED ON THE BAIL SCALE BELOW EACH DRAWING COMPONENT.



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REV.	DATE	REVISION DESCRIPTION	BY
1/0014		FINAL	AJ
4/0104		FOR REVIEW	AJ

PROJECT ID #: **PL13XC370**  
 (2.5 EQUIPMENT DEPLOYMENT)

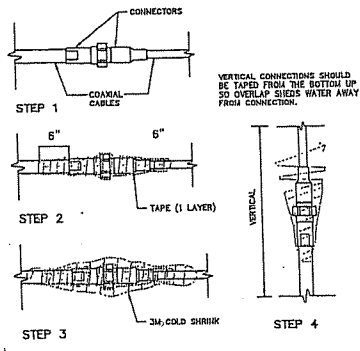
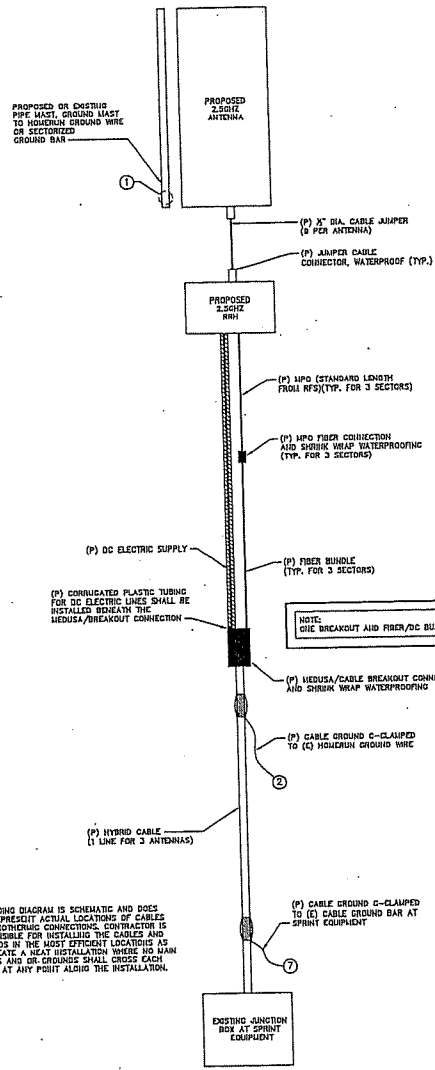
PROJECT LOCATION:  
 1600 EAST OAK ROAD  
 VINELAND, NJ 08362  
 CUMBERLAND COUNTY

DRAWING TITLE:  
 ANTENNA, CABLE & RRH  
 SPECS, ANTENNA CABLE  
 CHART, DETAILS

DRAWING: PKG SHEET #:  
 REVISION: 4/0104  
 DATE: 4/0104

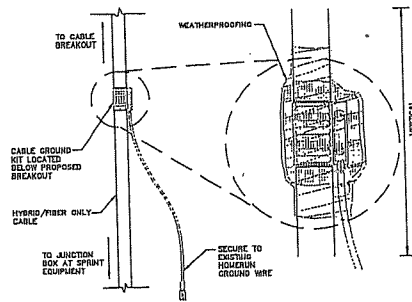
**A-3**





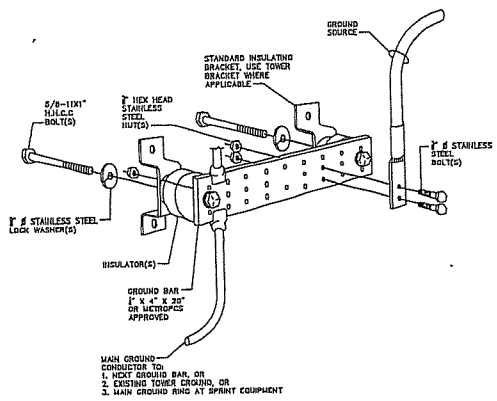
NOTE: WATERPROOFING DETAIL MAY BE SUBSTITUTED WITH SHRINK WRAP INSTALLATION

11 G-1 HYBRID/FIBER ONLY CABLE WATERPROOFING DETAIL NOT TO SCALE



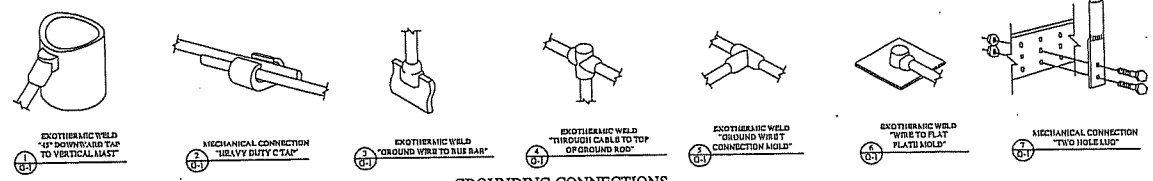
NOTE: HYBRID/FIBER ONLY CABLE TO BE GROUNDED IN (2) LOCATIONS. BELOW THE PROPOSED CABLE BREAKOUT/HYBRIDA SPLITTER, AND AT THE EXISTING CABLE GROUND BAR INSTALLED AT THE SPRINT EQUIPMENT.

9 G-1 HYBRID/FIBER ONLY CABLE GROUNDING KIT DETAIL NOT TO SCALE

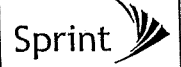


NOTE: CONTRACTOR IS RESPONSIBLE FOR REPLACING ALL GROUND BARS THAT ARE MESHED AND RECONNECT GROUND CONNECTORS AS REQUIRED INCLUDING ALL SPRINT GROUND CONNECTORS THAT ARE NOT DIRECTLY RELATED TO THE 2.5GHz PROJECT.

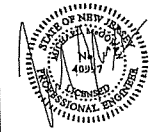
10 G-1 GROUND BAR DETAIL NOT TO SCALE



GROUNDING CONNECTIONS N.T.S.



THESE DRAWINGS ARE FORMATTED TO BE FULL SIZE AT 22\"/>



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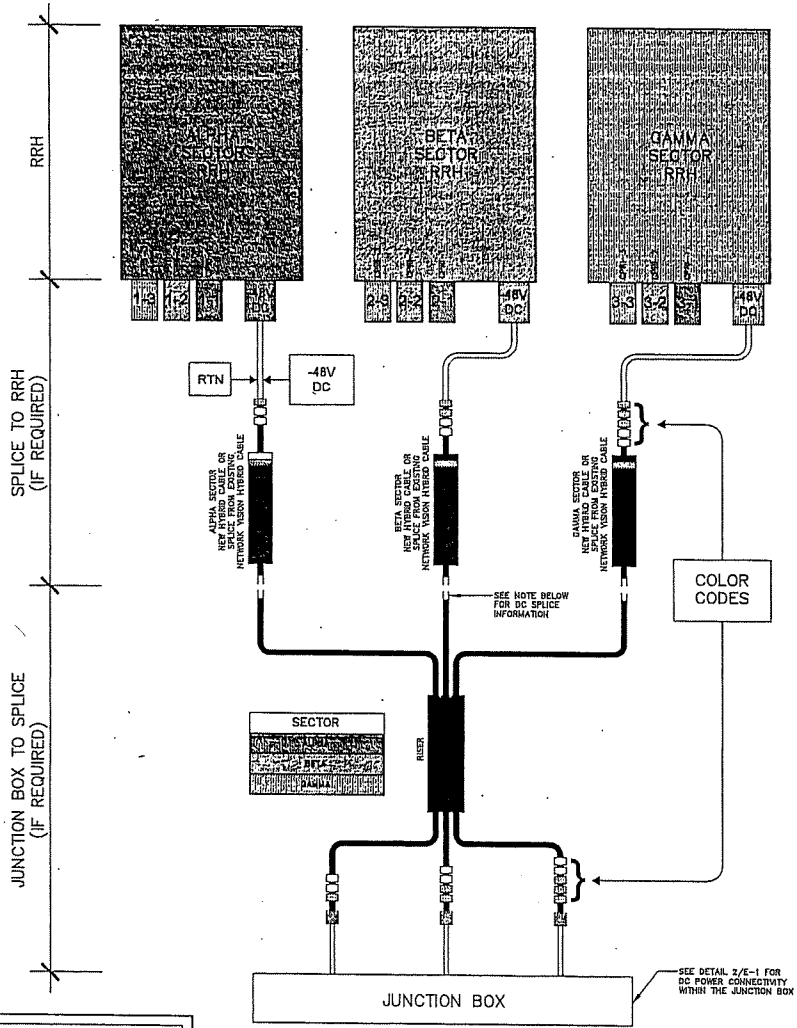

1/20/14	FINAL	AM
4/10/14	FOR REVIEW	AM
REV.	DATE	REVISION DESCRIPTION

PROJECT ID #  
**PL13XC370**  
(2.5 EQUIPMENT DEPLOYMENT)

PROJECT LOCATION:  
1690 EAST OAK ROAD  
VINELAND, NJ 08362  
CUMBERLAND COUNTY

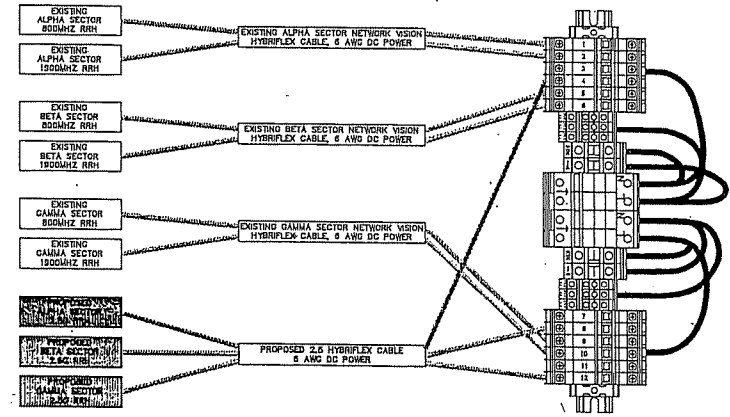
DRAWING TITLE:  
**GROUNDING AND WATERPROOFING DETAILS**

DRAWN BY: MKD	SHEET #:
REVIEWED BY: JMB	<b>G-1</b>
DATE: 4/10/14	



DC POWER SPLICE NOTE:  
IF DESIGN REQUIRES DC POWER TO BE  
TAKEN FROM THE EXISTING SPRINT  
NETWORK VISION HYBRID CABLE,  
A LINE SPLICE MAY BE NECESSARY.  
EXISTING 8 OR 6 AWG SHALL REQUIRE  
A BUTT SPLICE AND EXISTING 4 AWG  
SHALL REQUIRE A MECHANICAL SPLICE.

DC POWER CONNECTIVITY DETAIL  
(RRH TO JUNCTION BOX)  
E-1  
NOT TO SCALE



DC POWER CONNECTIVITY DETAIL  
(JUNCTION BOX)  
E-2  
NOT TO SCALE



THESE DRAWINGS ARE FORBIDDEN TO BE  
FULL SIZE AT 25% SIZE, IF DIMENSIONS ARE  
1/4" OR 1/2" THEY ARE TO BE CONSIDERED HALF  
SCALE AS INDICATED ON THE MAIN SCALE  
BELOW EACH DRAWING COMPONENT.



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McGOWAN  
ENGINEERING  
645 WESTWOOD AVE.  
RIVERVALE, NJ 07675  
T: 201-444-5700 F: 201-444-7720

REV.	DATE	REVISION DESCRIPTION	BY
3/29/14		FINAL	AJ
4/29/14		FOR REVIEW	AJ

PROJECT ID #:  
**PL13XC370**  
(2.2 EQUIPMENT DEPLOYMENT)  
PROJECT LOCATION:  
1690 EAST OAK ROAD  
VINELAND, NJ 08362  
CUMBERLAND COUNTY

DRAWING TITLE:  
**ELECTRICAL  
DETAILS**

DRAWN BY	PKG	SHEET #
REVIEWER: MM		E-1
DATE: 4/29/14		

# **EXHIBIT B**

**SECOND AMENDMENT TO COMMUNICATIONS ANTENNA SITE LEASE AGREEMENT**

This Second Amendment to Lease Agreement, hereinafter referred to as the "Amendment", is made this \_\_\_\_\_ day of \_\_\_\_\_, 2019 (the "Effective Date"), between the City of Vineland, with its offices located at 640 East Wood Street, Vineland, New Jersey 08362, hereinafter referred to as the "City", and Sprint Spectrum Realty Company, LLC (formerly a limited partnership), a Delaware limited liability company, successor in interest to Sprint Spectrum L.P. with its principal offices located at 6391 Sprint Parkway, Mailstop KSOPHT0101-Z2650, Overland Park, Kansas 66251-2650 hereinafter referred to as "Carrier". At times, the City and Carrier may be referred to collectively as "the Parties".

**WITNESETH**

**WHEREAS**, the Parties entered into that certain Lease Agreement dated September 1, 2004 and amended January 14, 2015 (the "Agreement") whereby Carrier leased certain space on the City's water tower located on real estate owned by the City that is known as Block 227, Lot 8 on the Tax Map of the City of Vineland; and

**WHEREAS**, the City has determined that the water tower is in need of painting and notice was given to Carrier; and

**WHEREAS**, the City has retained a contractor to perform the painting of the water tower on the City's behalf; and

**WHEREAS**, in furtherance of such painting and future maintenance of the water tower, a corral will be installed on the water tower for the installation of Carrier's and other wireless operators' equipment, with Carrier's antenna arrays to be moved from existing mounts on the water tank to said corral; and

**WHEREAS**, Carrier is amenable to installing a temporary bracket onto the corral for this painting project as well as anticipation of future maintenance requirements of the water tower, in that Carrier's equipment shall not have to be removed from the water tower for this project and for future maintenance. For this painting project, four-foot extensions will be installed from the corral level to allow the City's contractor to paint the water tower and Carrier has agreed to coordinate its coaxial cable relocation and/or coaxial protection as needed. After the painting is completed, said four-foot extensions will be removed and Carrier's antennas will be relocated back to the corral level; and

**WHEREAS**, the Parties desire to memorialize the altered water tower equipment configuration, which shall be reflected in Exhibit A (2019) attached hereto and made a part hereof; and

**WHEREAS**, the City has requested that Carrier agree to forego claims against the City and/or its painting contractor that may arise from damage to Carrier's equipment, to which Carrier is amenable; and

**WHEREAS**, the Parties desire to memorialize the permanent relocation of Carrier's antenna arrays on the water tower.

**NOW, THEREFORE**, in exchange for the promises hereinafter made and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties agree as follows:

1. The Parties agree that Carrier shall temporarily move its equipment from the water tank to the extensions on the corral to allow for the painting work and thereafter to permanent mounts on the corral.
2. Notwithstanding anything to the contrary in Section 19 of the Agreement regarding indemnification, Carrier hereby agrees that, except for claims arising from the City's and/or its painting contractor's gross negligence or willful misconduct during the painting project, Carrier will otherwise indemnify and hold harmless the City and/or its painting contractor for all claims arising out of, incidental to, or in connection with the contractor's painting. Such agreement by Carrier shall be for a two-year period beginning on the date when installation of the corral begins, unless an extension is agreed to by the Parties.
3. The Parties acknowledge and agree that Exhibit A of the Agreement shall be deemed deleted in its entirety and replaced with and superseded by Exhibit A (2019), which Exhibit A (2019) shall represent Carrier's allowed equipment configuration under the Agreement.
4. The Parties acknowledge and agree that the rental increase of \$200.00/mo. referenced in Amendment No. 1 to Site Agreement of January 14, 2015, shall now begin on the date that is 30 days after the start of construction of the modifications to the facilities that are subject of this Amendment.
5. Except as modified herein, all other terms and conditions of the Agreement are hereby ratified and shall remain in full force and effect. In the event of any conflict between the Agreement and the provisions of this Amendment, the provisions herein shall prevail and shall supersede conflicting terms and conditions, if any.

**IN WITNESS WHEREOF**, the City and Carrier have set their hands and affixed their respective seals the date and year first written.

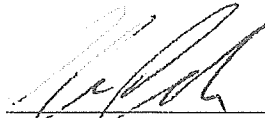
**City of Vineland**

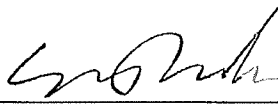
\_\_\_\_\_  
Witness

By: \_\_\_\_\_  
Anthony Fanucci  
Mayor

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

**Carrier:**  
**Sprint Spectrum Realty Company, LLC**  
**(formerly a limited partnership), a**  
**Delaware limited liability company,**  
**successor in interest to Sprint Spectrum**  
**L.P.**

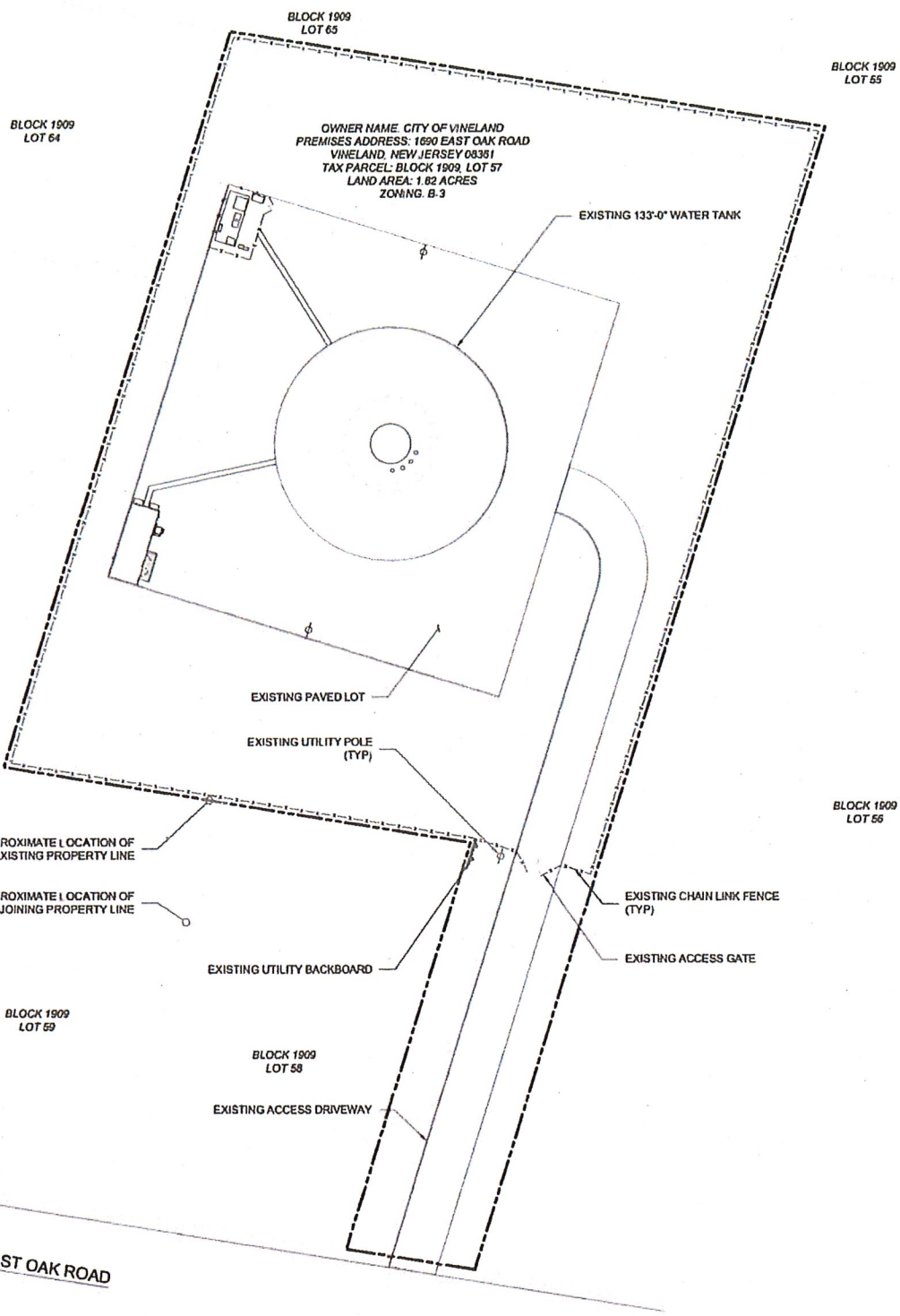
  
\_\_\_\_\_  
Witness

By:   
Sean Donahue  
Market Manager

Date: 5-1-19



**Exhibit A (2019)**



BLOCK 1909  
LOT 65

BLOCK 1909  
LOT 55

BLOCK 1909  
LOT 64

OWNER NAME: CITY OF VINELAND  
PREMISES ADDRESS: 1690 EAST OAK ROAD  
VINELAND, NEW JERSEY 08361  
TAX PARCEL: BLOCK 1909, LOT 57  
LAND AREA: 1.82 ACRES  
ZONING: B-3

EXISTING 133'-0" WATER TANK

BLOCK 1909  
LOT 60

EXISTING PAVED LOT

EXISTING UTILITY POLE (TYP)

BLOCK 1909  
LOT 56

APPROXIMATE LOCATION OF  
EXISTING PROPERTY LINE

APPROXIMATE LOCATION OF  
ADJOINING PROPERTY LINE

EXISTING CHAIN LINK FENCE (TYP)

EXISTING ACCESS GATE

EXISTING UTILITY BACKBOARD

BLOCK 1909  
LOT 59

BLOCK 1909  
LOT 58

EXISTING ACCESS DRIVEWAY

EAST OAK ROAD

**1 SITE PLAN**  
SCALE = 1" = 60'-0"

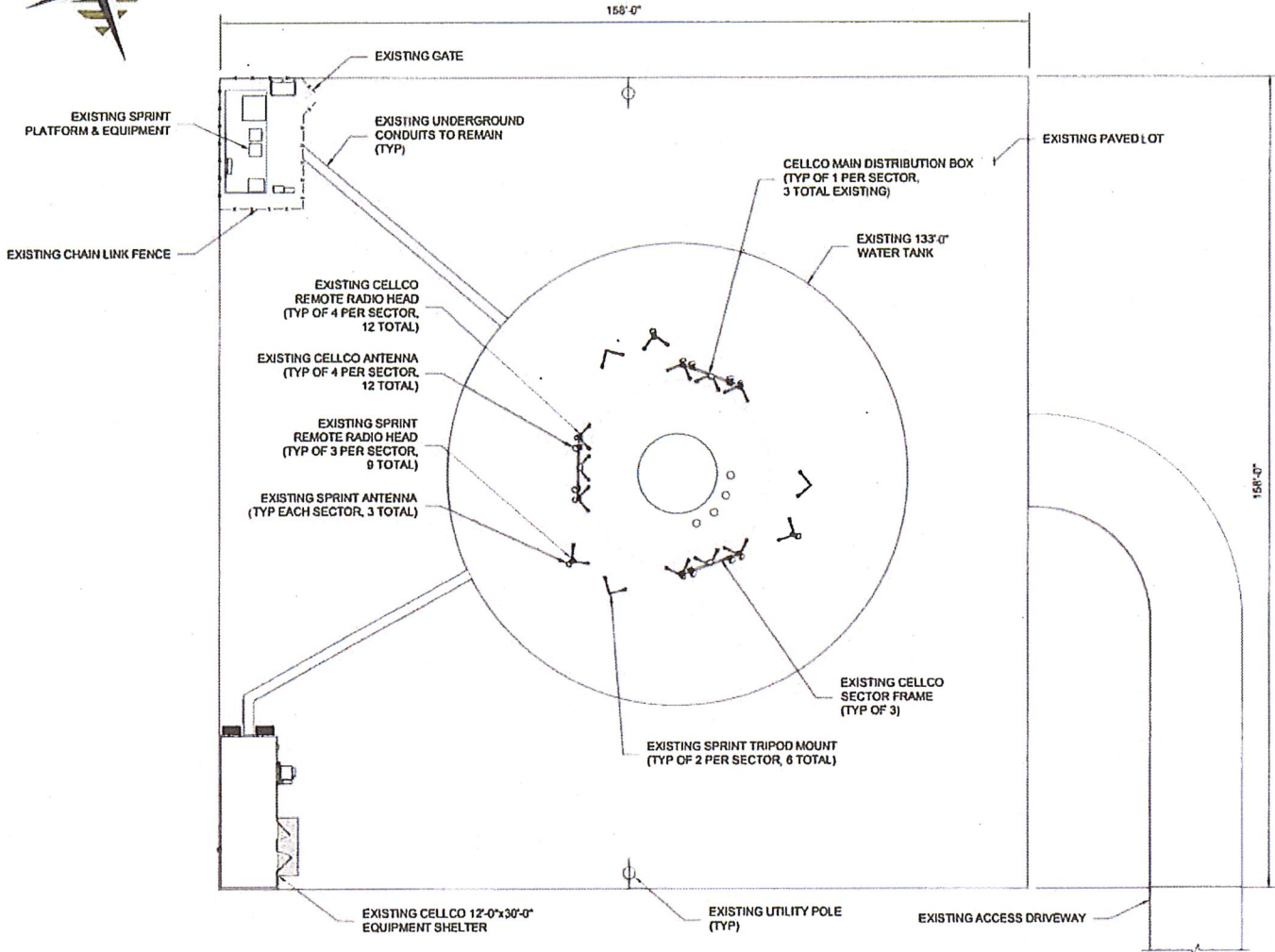
SUBMITTALS:			LEASE EXHIBIT:	
PRELIMINARY	MBM	03-28-19	VERIZON SITE NAME: VIN LANDIS AVENUE	
			SPRINT SITE ID #: PL13XC370	
			1690 EAST OAK ROAD VINELAND, NEW JERSEY 08361	
			LE-1	SHEET: 1 OF 7

5321 ELLINGWOOD ROAD, SUITE A 103  
MILWAUKEE, WISCONSIN 53212  
PHONE: (414) 231-0500  
WWW.AVANTAGEENGINEERS.COM

**CELLCO PARTNERSHIP d/b/a  
VERIZON WIRELESS**

2 VALLEY SQUARE / SUITE 300  
512 EAST TOWNSHIP LINE ROAD  
BLUE BELL, PENNSYLVANIA 19422

1285 DRUMMERS LANE, SUITE 500  
WAYNE, PA 19087  
OFFICE: 215-845-4170  
FAX: 267-283-4056



**EXISTING COMPOUND PLAN**  
 SCALE = 1/32" = 1'-0"

**advantage engineers**  
 527 FELLOWSHIP ROAD, SUITE A 102  
 417 LAUREL, NEW JERSEY 08054  
 PHONE: (856) 231-0800  
 WWW.ADVANTAGEENGINEERS.COM

**CELLCO PARTNERSHIP d/b/a  
 VERIZON WIRELESS**

2 VALLEY SQUARE / SUITE 300  
 512 EAST TOWNSHIP LINE ROAD  
 BLUE BELL, PENNSYLVANIA 19422

**Sprint**

1285 DRUMMERS LANE, SUITE 300  
 WAYNE, PA 19087  
 OFFICE: 215-645-4170  
 FAX: 267-283-4055

SUBMITTALS:		
PRELIMINARY	MBM	03-28-19

**LEASE EXHIBIT:**

**VERIZON SITE NAME:**  
 VIN LANDIS AVENUE

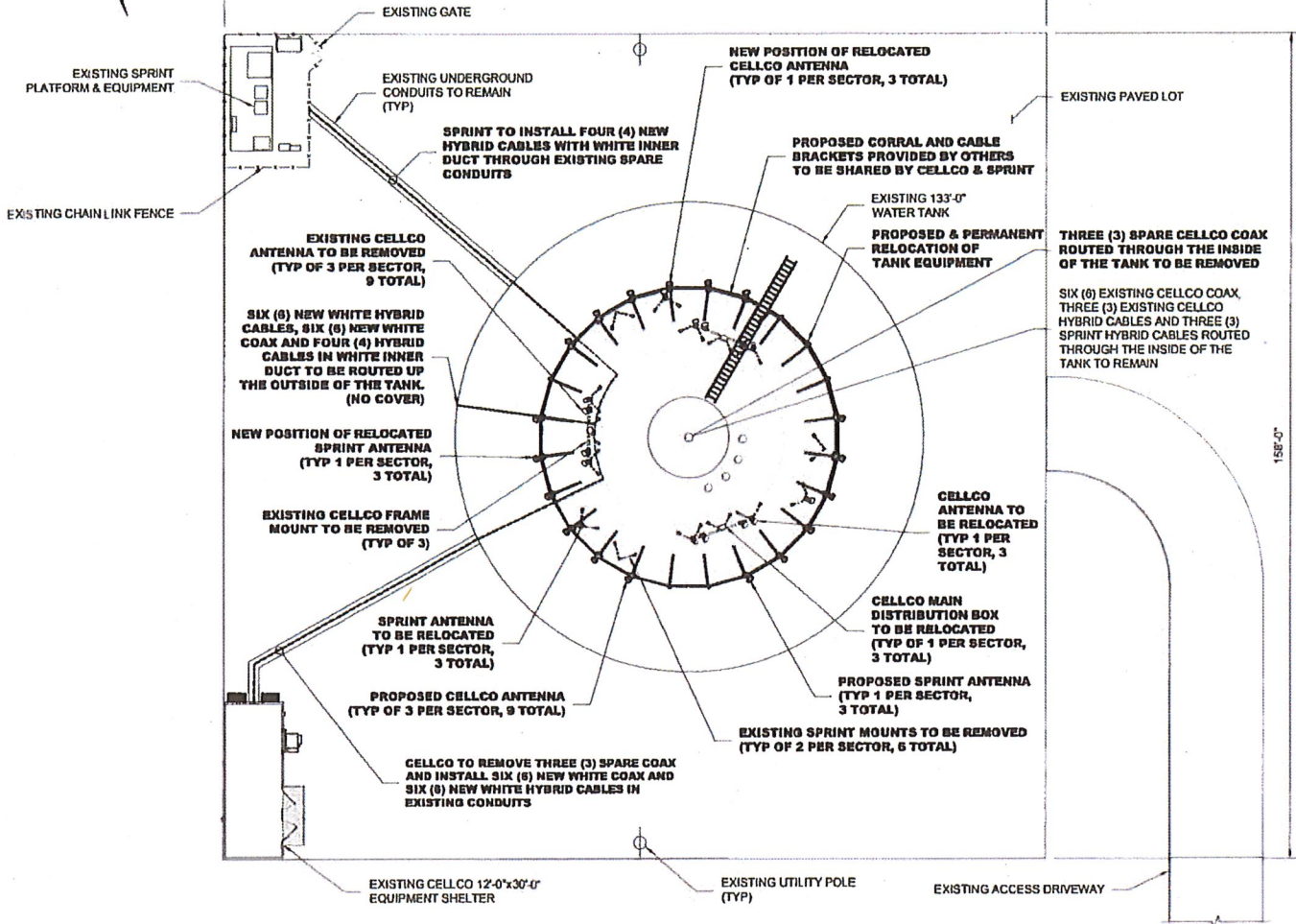
**SPRINT SITE ID #:**  
 PL13XC370

1690 EAST OAK ROAD  
 VINELAND, NEW JERSEY 08361

LE-2      SHEET: 2 OF 7



158'-0"



NOTE: ALL PROPOSED AND RELOCATED EQUIPMENT SHALL BE MOUNTED ON THE NEW CORRAL NO LESS THAN 10'-0" ABOVE THE TANK FOR THE DURATION OF PAINTING.

**TEMPORARY INSTALLATION COMPOUND PLAN**  
SCALE = 1/32" = 1'-0"

**advantage engineers**  
578 FELLOWSHIP ROAD, SUITE A-120  
MILWAUKEE, WISCONSIN 53214  
PHONE: 414-763-1800  
WWW.ADVANTAGEENGINEERS.COM

**CELLCO PARTNERSHIP d/b/a  
VERIZON WIRELESS**

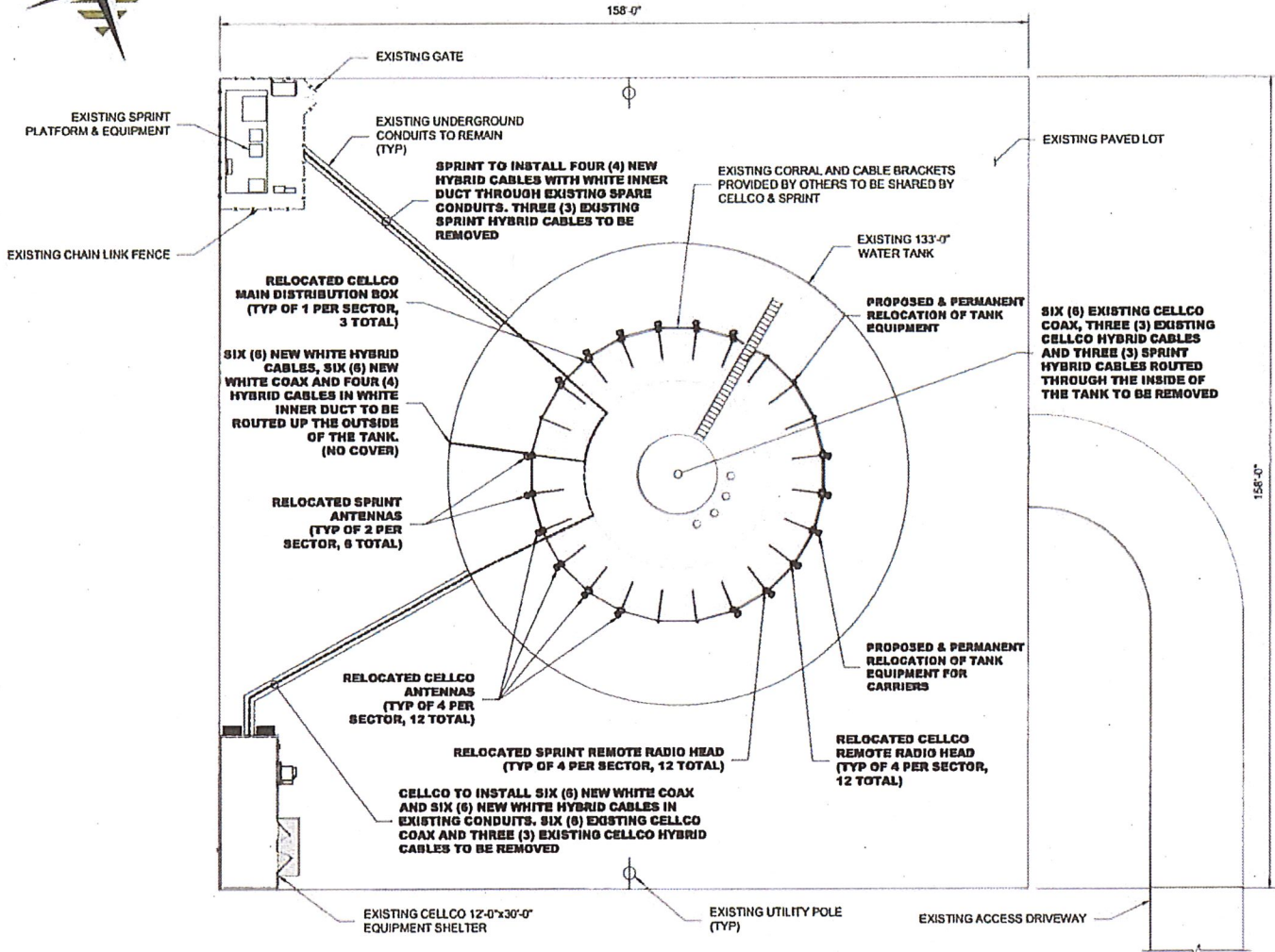
2 VALLEY SQUARE / SUITE 300  
812 BABY TOWNSHIP LANE ROAD  
BLUE BELL, PENNSYLVANIA 19422

**Sprint**

1285 DRUMMERS LANE, SUITE 300  
WAYNE, PA 19087  
OFFICE: 215-645-4170  
FAX: 267-263-4055

SUBMITTALS:		
PRELIMINARY	MBM	03-28-19

LEASE EXHIBIT:	
<b>VERIZON SITE NAME:</b> VIN LANDIS AVENUE	
<b>SPRINT SITE ID #:</b> PL13XC370	
1690 EAST OAK ROAD VINELAND, NEW JERSEY 08361	
LE-3	SHEET: 3 OF 7



**FINAL COMPOUND PLAN**  
SCALE = 1/32" = 1'-0"

**advantage engineers**  
537 FELLOWSHIP ROAD, SUITE A-102  
MT. LAUREL, NEW JERSEY 08054  
PHONE: (856) 234-0800  
WWW.ADVANTAGEENGINEERS.COM

**CELLCO PARTNERSHIP d/b/a  
VERIZON WIRELESS**

2 VALLEY SQUARE / SUITE 300  
812 EAST TOWNSHIP LINE ROAD  
BLUE BELL, PENNSYLVANIA 19422

**Sprint**

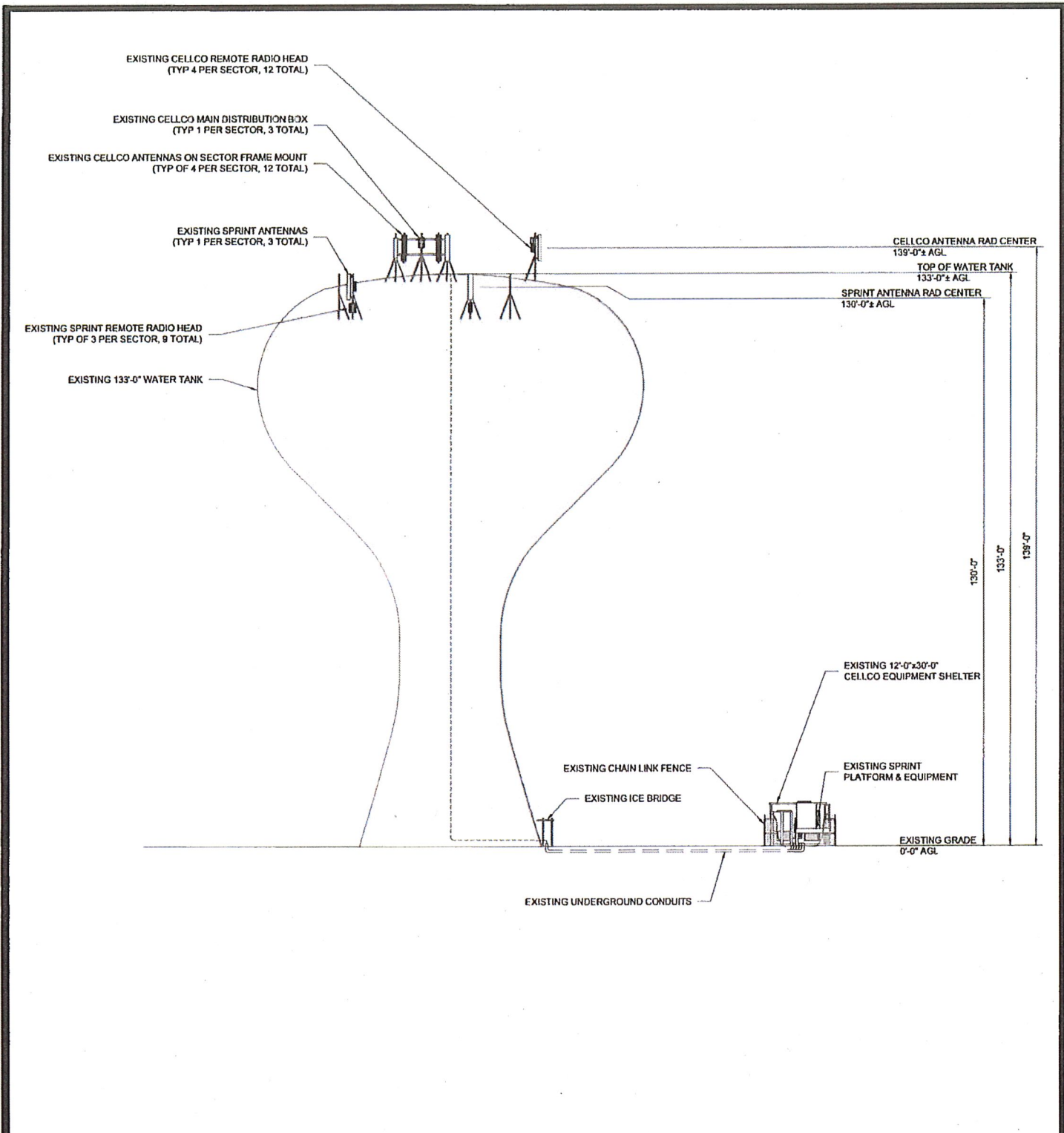
1285 DRUMMERS LANE, SUITE 300  
WAYNE, PA 19087  
OFFICE: 215-648-4170  
FAX: 267-283-4055

SUBMITTALS:		
PRELIMINARY	MBM	03-28-19

**LEASE EXHIBIT:**

**VERIZON SITE NAME:**  
VIN LANDIS AVENUE  
**SPRINT SITE ID #:**  
PL13XC370  
1690 EAST OAK ROAD  
VINELAND, NEW JERSEY 08361

LE-4      SHEET: 4 OF 7



**1**  
**EXISTING ELEVATION**  
 SCALE = 1" = 30'-0"

**SUBMITTALS:**

PRELIMINARY	MBM	03-28-19

**LEASE EXHIBIT:**

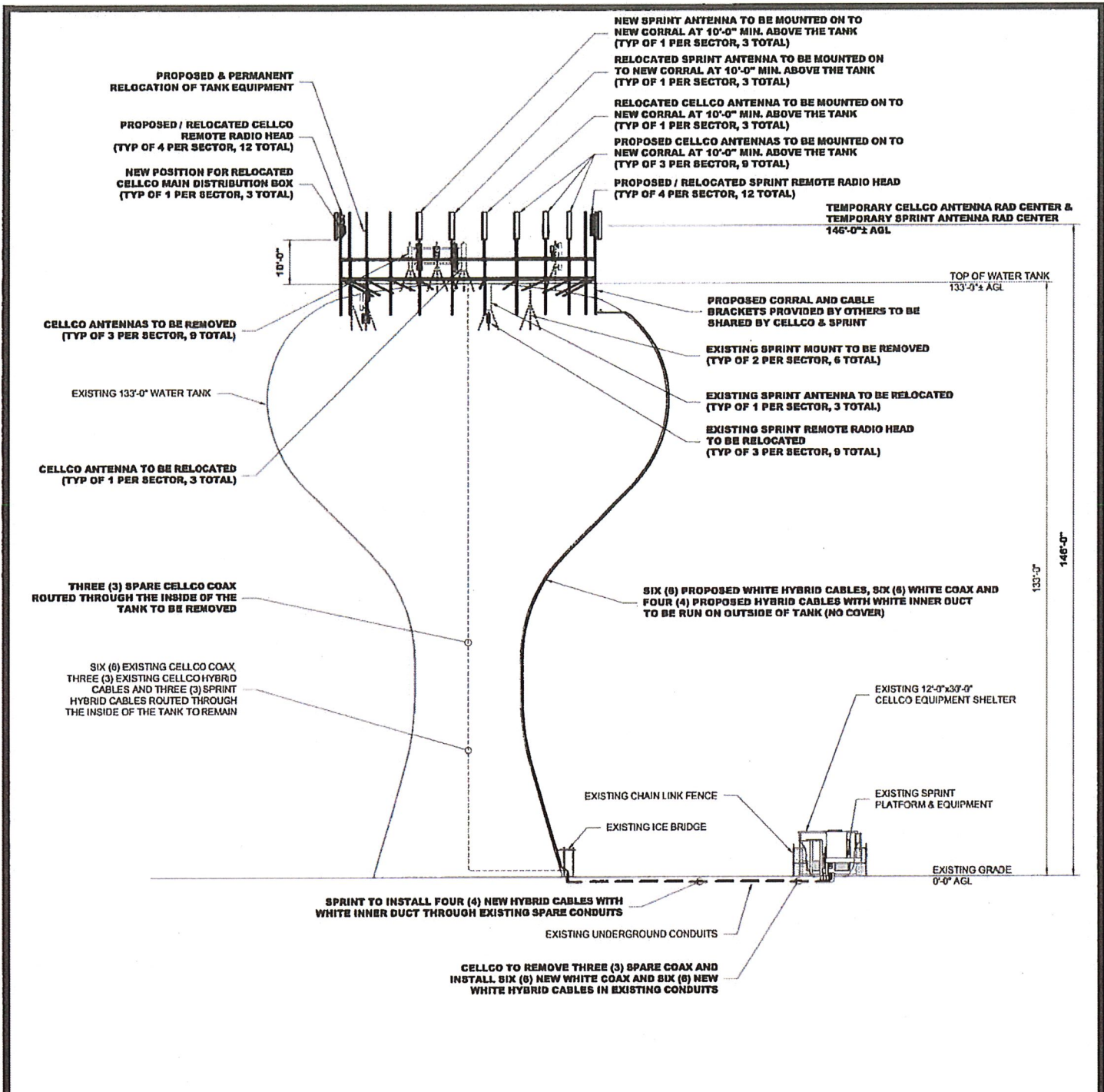
<b>VERIZON SITE NAME:</b> VIN LANDIS AVENUE
<b>SPRINT SITE ID #:</b> PL13XC370
1690 EAST OAK ROAD VINELAND, NEW JERSEY 08361
LE-5
SHEET: 5 OF 7

**advantage engineers**  
 630 FELLOWSHIP ROAD, SUITE A 104  
 MT. LAUREL, NEW JERSEY 08054  
 PHONE: (856) 231-0900  
 www.advantageengineers.com

**CELLCO PARTNERSHIP d/b/a  
 VERIZON WIRELESS**


2 VALLEY SQUARE / SUITE 300  
 512 EAST TOWNSHIP LINE ROAD  
 BLUE BELL, PENNSYLVANIA 19422

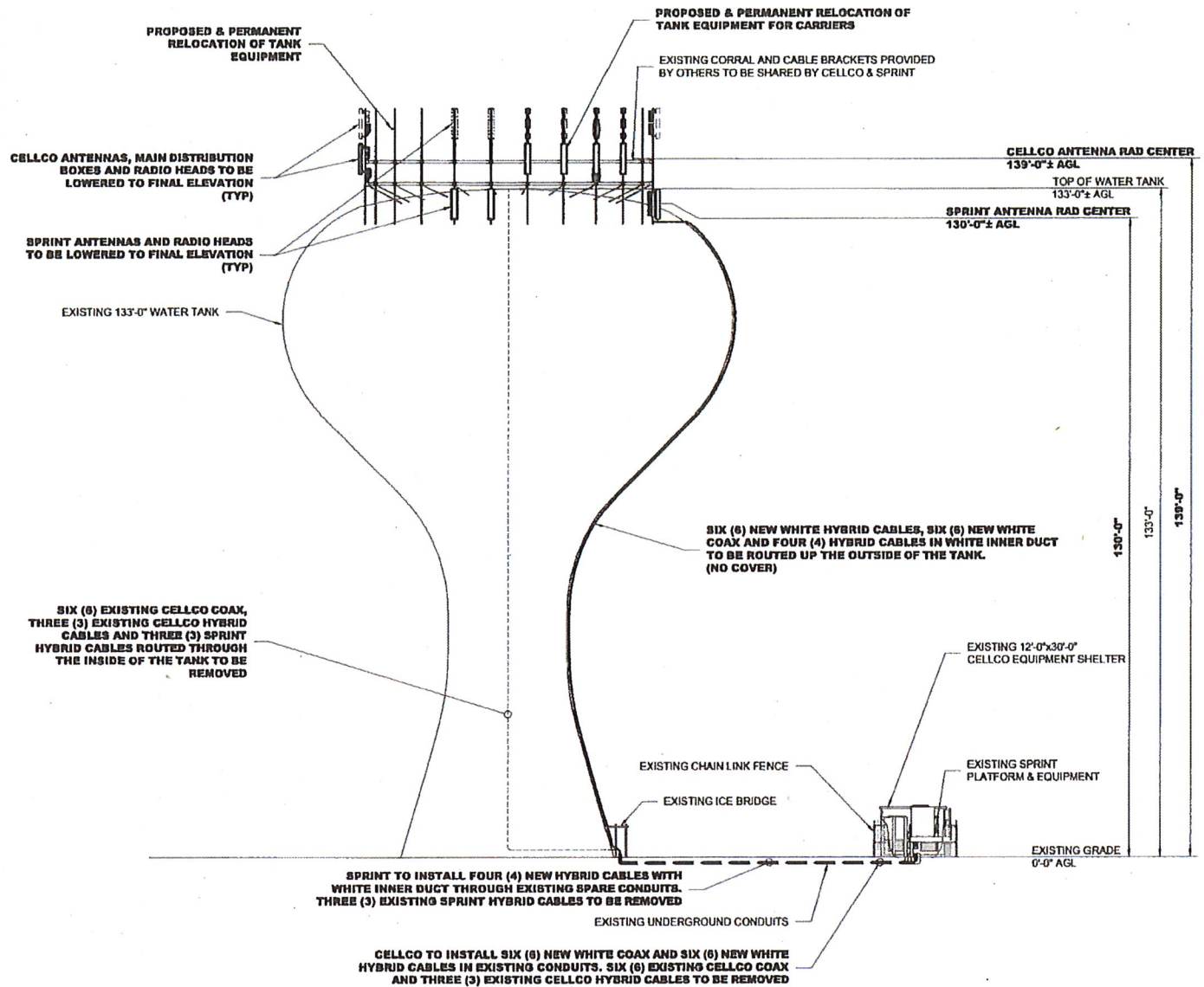
1285 DRUMMERS LANE, SUITE 300  
 WAYNE, PA 19087  
 OFFICE: 215-645-4170  
 FAX: 267-283-4055



NOTE: ALL PROPOSED AND RELOCATED EQUIPMENT SHALL BE MOUNTED ON THE NEW CORRAL NO LESS THAN 10'-0" ABOVE THE TANK FOR THE DURATION OF PAINTING.

**TEMPORARY INSTALLATION ELEVATION**  
 SCALE = 1" = 30'-0"

 <b>advantage engineers</b> <small>522 FELLOWSHIP ROAD, SUITE A 108        401 E. STATE ST. WCV #18525 08264        PHONE: (856) 231-0800        www.advantageengineers.com</small>	<b>CELLCO PARTNERSHIP d/b/a        VERIZON WIRELESS</b>  2 VALLEY SQUARE / SUITE 300 512 EAST TOWNSHIP LINE ROAD BLUE BELL, PENNSYLVANIA 19422	  1285 DRUMMERS LANE, SUITE 300 WAYNE, PA 19087 OFFICE: 215-645-4170 FAX: 267-263-4055	<b>SUBMITTALS:</b>			<b>LEASE EXHIBIT:</b>	
			PRELIMINARY	MBM	03-28-19	VERIZON SITE NAME: VIN LANDIS AVENUE SPRINT SITE ID #: PL13XC370 1690 EAST OAK ROAD VINELAND, NEW JERSEY 08361	LE-6



**FINAL ELEVATION**  
 SCALE = 1" = 30'-0"

120 FELLENSHIP ROAD, SUITE 4-100  
 401 LAUREL, NEW JERSEY 08004  
 PHONE: 856-231-9100  
 WWW.ADVANTAGEENGINEERS.COM

**CELLCO PARTNERSHIP d/b/a  
 VERIZON WIRELESS**

2 VALLEY SQUARE / SUITE 300  
 512 EAST TOWNSHIP LINE ROAD  
 BLUE BELL, PENNSYLVANIA 19422

1285 DRUMMERS LANE, SUITE 300  
 WAYNE, PA 19087  
 OFFICE: 215-845-4170  
 FAX: 267-263-4055

SUBMITTALS:		
PRELIMINARY	MBM	03-28-19

LEASE EXHIBIT:	
<b>VERIZON SITE NAME:</b> VIN LANDIS AVENUE	
<b>SPRINT SITE ID #:</b> PL13XC370	
1690 EAST OAK ROAD VINELAND, NEW JERSEY 08361	
LE-7	SHEET: 7 OF 7