

RESOLUTION NO. 2017- 79

A RESOLUTION BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, APPROVING THE TERMS AND AUTHORIZING THE COUNTY ADMINISTRATOR, OR DESIGNEE, TO EXECUTE AMENDMENT NO. 7 TO THE TOWER ATTACHMENT COMMUNICATION SITE AGREEMENT WITH SPRINTCOM, INC., AS SUCCESSOR IN INTEREST TO NEXTEL SOUTH CORP. FOR MODIFICATIONS TO THEIR EQUIPMENT ON THE PONTE VEDRA ANNEX TOWER.

RECITALS

WHEREAS, St. Johns County and SprintCom, Inc., as successor in interest to Nextel South Corp. entered into a Tower Attachment Communication Site Agreement ("Agreement"), dated October 21, 1998, and approved in Resolution 98-159, on the Ponte Vedra Annex tower on Palm Valley Road; and,

WHEREAS, SprintCom will be modifying their equipment on the tower to enhance their service in the area.

NOW THEREFORE BE IT RESOLVED by the Board of County Commissioners of St. Johns County, Florida, as follows:

Section 1. The above Recitals are incorporated by reference into the body of the Resolution and such Recitals are adopted as findings of fact.

Section 2. The Board of County Commissioners hereby approves and authorizes the County Administrator, or designee, to execute two originals of Amendment No. 7 the Agreement, attached hereto as Exhibit "A", incorporated by reference and made a part hereof, in substantially the form attached hereto, and any future amendments to the Agreement that do not substantially change the material terms and conditions of the Agreement.

Section 3. To the extent that there are typographical errors that do not change the tone, tenor, or concept of this Resolution, then this Resolution may be revised without subsequent approval by the Board of County Commissioners.

Section 4. The Clerk is instructed to record the Amendment No. 7 to the Agreement in the Public Records of St. Johns County, Florida.

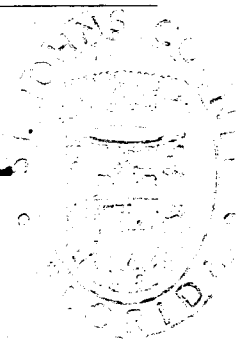
PASSED AND ADOPTED by the Board of County Commissioners of St. Johns County, Florida, this 7th day of March, 2017.

BOARD OF COUNTY COMMISSIONERS
OF ST. JOHNS COUNTY, FLORIDA

By: _____
James K. Johns, Chair

ATTEST, Hunter S. Conrad, Clerk
By: Pam Haltemar
Deputy Clerk

RENDITION DATE 3/9/17



AMENDMENT NO. 7 TO TOWER ATTACHMENT COMMUNICATIONS SITE AGREEMENT

This Amendment No. 7 to Tower Attachment Communications Site Agreement (this "**Amendment**"), effective as of the date last signed below ("**Effective Date**"), amends a certain Tower Attachment Communications Site Agreement between SprintCom, Inc., a Kansas corporation, as successor in interest to Nextel South Corp., a Georgia corporation, ("**Lessee**"), and St. Johns County, a political subdivision of the State of Florida, through its Board of County Commissioners, ("**Lessor**"), dated October 21, 1998 (the "**Lease**"), as amended by First Amendment to Tower Attachment Communications Site Agreement dated March 18, 2002, and amended by Second Amendment to Tower Attachment Communications Site Agreement dated May 5, 2006, and amended by Amendment No. 3 to Tower Attachment Communications Site Agreement dated November 27, 2006, and amended by Amendment No. 4 to Tower Attachment Communications Site Agreement dated March 8, 2007, and amended by Amendment No. 5 to Tower Attachment Communications Site Agreement dated May 15, 2013, and further amended by Amendment No. 6 to Tower Attachment Communications Site Agreement dated August 22, 2015 (collectively, the "**Agreement**").

BACKGROUND

WHEREAS, Lessee desires to modify its installation on the Premises by adding or swapping out antennas and other equipment on the Tower, as more particularly described in Exhibit C-5 annexed hereto, and Lessee and Lessor 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, Lessor and Lessee agree as follows:

1. **Modification to the Premises.** Exhibit C-2, Exhibit C-3 and Exhibit C-4 to the Agreement are hereby amended to include the modifications identified on Exhibit C-5 (the "Modifications"), attached hereto and made a part hereof. Exhibit C-5 supplements Exhibit C-2, Exhibit C-3 and Exhibit C-4 to the Agreement, and shall not be deemed to supersede or otherwise modify Exhibit C-2, Exhibit C-3 or Exhibit C-4 or any part thereof except to the extent specifically set forth in Exhibit C-5. Upon full execution of this Amendment, Lessee is permitted to do all work necessary to prepare, maintain and alter the Site to install or otherwise modify the Premises, all as more fully described and contemplated in Exhibit C-5.
2. **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.

SIGNATURES ON FOLLOWING PAGE

Site Name: Ponte Vedra
(JA73XC004)

Site ID #: FL7041-A

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

Lessee

Signed, sealed and delivered in the presence of :

SprintCom, Inc.
a Kansas corporation

By:

Printed Name: _____

Printed Name:

Title:

Printed Name: _____

Date:

(Date must be completed)

Lessor

Signed, sealed and delivered in the presence of :

St. Johns County,
a political subdivision of the State of Florida,
through its Board of County Commissioners

By:

Printed Name: _____

Printed Name:

Title:

Printed Name: _____

Date:

(Date must be completed)

Exhibit C-4

Schedule of Equipment

Existing Equipment

3 RFS APXVERR18-C Antennas
3 H+S TSZ 999 066/xxxM 1 1/4" lines
3 Ericsson 800 ESMR Filters
9 Ericsson ACU-A20-N RETS
3 Ericsson RRUS 11 @ 800 MHz
3 Ericsson RRU 31 @ 1900 MHz

Equipment to be Removed:

N/A

Equipment to be Added


3 Alpha Wireless AW3286 Panel Antenna
3 Nokia FWHR TMA
Conduit with 3 Fiber and 3 Cat5e
1 SOOW power cable

Final Equipment Configuration:

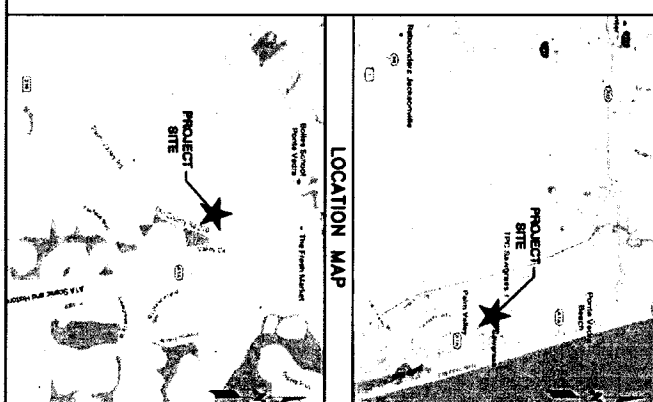
3 RFS APXVERR18-C Antennas
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9 Ericsson ACU-A20-N RETS
3 Ericsson RRUS 11 @ 800 MHz
3 Ericsson RRU 31 @ 1900 MHz
3 Alpha Wireless AW3286 Panel Antenna
3 Nokia FWHR TMA
1" Conduit with 3 Fiber and 3 Cat5e
1 SOOW power cable

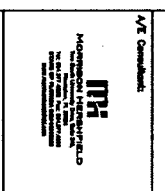
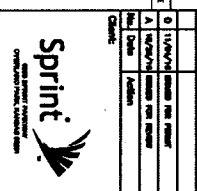
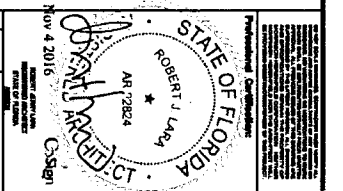
Site Name: Ponte Vedra
(JA73XC004)

Site ID #: FL7041-A



PROJECT: 2.5 MM OVERLAY ON NETWORK VISION
SITE NAME: PONTE VEDRA BEACH
SITE CASCADE: JA73XC004
SITE ADDRESS: 5430 PALM VALLEY RD
PONTE VEDRA BEACH, FL 32082
SITE TYPE: 1250'-0" SELF-SUPPORT TOWER

SITE INFORMATION		AREA MAP													
<p>REGULATORY OVERLAY: ST JOHNS COUNTY BOARD OF COUNTY COMMISSIONERS</p> <p>ADDRESS: 5430 PALM VALLEY RD PONTE VEDRA BEACH, FL 32082</p> <p>OWNER: Sprint</p> <p>DATE: 11/04/16</p>		<p>LOCATION MAP</p> 													
<p>PROJECT DESCRIPTION</p> <ul style="list-style-type: none"> INSTALL (3) 2.5 MM TOWERS INSTALL (3) 1250'-0" SELF-SUPPORT TOWERS INSTALL (3) ANTENNAS INSTALL (3) POWER CABLES INSTALL (3) FIBER OPTIC CABLES 															
<p>APPLICABLE CODES</p> <ul style="list-style-type: none"> ST JOHNS COUNTY BOARD OF COUNTY COMMISSIONERS ST JOHNS COUNTY ZONING ORDINANCE ST JOHNS COUNTY DEVELOPMENTAL REGULATIONS ST JOHNS COUNTY SUBDIVISION REGULATIONS ST JOHNS COUNTY ENGINEERING REGULATIONS ST JOHNS COUNTY ELECTRICAL REGULATIONS 															
<p>GENERAL NOTES</p> <p>811</p> <p>ALL NEW CONSTRUCTION ITEMS TO BE INSTALLED PER SPECIFICATIONS</p>		<p>PROFESSIONAL'S STATEMENT</p> <p>I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR ASSISTED BY ME AND THAT I AM A duly licensed PROFESSIONAL ENGINEER IN THE STATE OF FLORIDA. I HAVE REVIEWED THE WORK OF THE ENGINEER'S ASSISTANT, AND I AM NOT PROVIDING SERVICES UNDER MY LICENSE AS AN ENGINEER'S ASSISTANT. I AM NOT PROVIDING SERVICES UNDER MY LICENSE AS AN ENGINEER'S ASSISTANT.</p> <p>DATE: 11/04/16 PROJECT: 2.5 MM OVERLAY ON NETWORK VISION SITE: PONTE VEDRA BEACH, FL 32082</p>													
<p>TITLE SHEET AND PROJECT DATA</p> <p>PROJECT: 2.5 MM OVERLAY ON NETWORK VISION SITE: PONTE VEDRA BEACH, FL 32082 SHEET: T-1</p>		<p>DRAWING INDEX</p> <table border="1"> <thead> <tr> <th>SHEET NO.</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>T-1</td> <td>TITLE SHEET & PROJECT DATA</td> </tr> <tr> <td>T-2</td> <td>INSTALLATION SPECIFICATIONS & COMPONENTS</td> </tr> <tr> <td>T-3</td> <td>FIBER OPTIC RISE PLAN & TOWER PROFILE</td> </tr> <tr> <td>T-4</td> <td>ANTENNA LAYOUT & MOUNTING DETAILS</td> </tr> <tr> <td>T-5</td> <td>GROUNDING DETAILS</td> </tr> </tbody> </table>		SHEET NO.	DESCRIPTION	T-1	TITLE SHEET & PROJECT DATA	T-2	INSTALLATION SPECIFICATIONS & COMPONENTS	T-3	FIBER OPTIC RISE PLAN & TOWER PROFILE	T-4	ANTENNA LAYOUT & MOUNTING DETAILS	T-5	GROUNDING DETAILS
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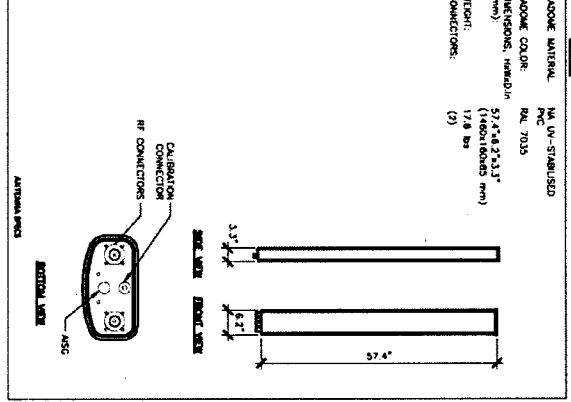
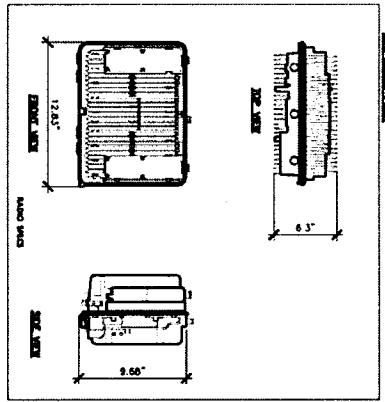
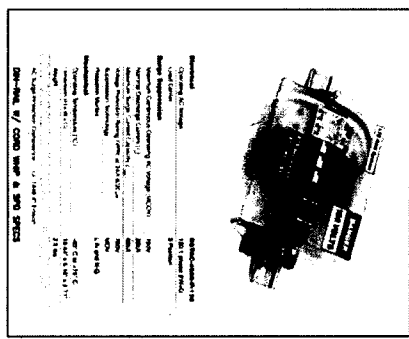
Project Name	Ponte Vedra Beach
Project No.	JA73XC004
Sheet No.	T-1
Date	11/04/16
Project Location	Ponte Vedra Beach, FL 32082

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REV. 0 7/25/16
SPRINT CONSTRUCTION SPECIFICATIONS
NON-MANAGED CELL SITES

- 1. BASE REQUIREMENTS**
 - a) SELECT ALL REQUIREMENTS OF JURISDICTIONS
 - b) IF EQUIPMENT FURNISHED BY COMPANY DOES NOT MATCH THE EQUIPMENT LISTED ON THE PHS AND SHOWN ON THE PERMITTING DRAWINGS, NOTIFY ARCHITECT THROUGH ARCHITECT'S CONSTRUCTION MANAGER AND COMPANY'S POINT OF CONTACT.
 - c) CABLE INSTALLATIONS
 - 1) ALL CABLES MUST BE OUTDOOR RATED AND HAVE W/ RESISTANT OUTER JACKETS
 - 2) CABLE BENDS MUST NOT EXCEED MANUFACTURER'S ALLOWABLE CABLE BEND RADIUS.
 - 3) AT ROOFS INSTALL SERVICE LOOPS FOR POWER, FIBER AND ETHERNET SECURED AT LEAST THREE (3) TO THE STRUCTURE.
 - 4) SPARE FIBERS MUST BE PACKAGED IN A LOW PROFILE WEATHERPROOF ASSEMBLY
 - 5) FIBERS MUST BE FIELD-TERMINATED WITH LC-TYPE CONNECTORS.
 - 6) CONDUITS IN EXTERIOR, PROVIDE PVC CONDUITS EMBEDDED AND IN FACILITIES PROVIDE RGS. HAND DGC TRIMMERS IN CONDUITS.
 - 7) SECURE AND SUPPORT CONDUITS AND CABLES ON NO MORE THAN 48" INTERVALS.
 - 8) ON TOWER SITES RGS CONDUITS MAY BE SURFACE MOUNTED AWAY FROM BUILDINGS AND ACCESS/EGRESS PATHS. IF INSTALLATIONS IN BUILDINGS AND ACCESS/EGRESS PATHS CANNOT BE AVOIDED, IDENTIFY THE CONDUIT ENVELOPE / TYPIC W/ MARKED BY ALTERNATING YELLOW AND BLACK STRIPES PAINTED ON CONCRETE OR CONDUIT.
- 2. SPRINT-TERMINATED EQUIPMENT**
 - a) INSTALL THE FOLLOWING EQUIPMENT AT LOCATIONS AND ASSEMBLY SHOWN ON THE CONSTRUCTION DRAWINGS.
 - 1) PANEL, ANTENNA
 - 2) RAILS
 - 3) GPS ANTENNAS
 - 4) FIBERS
 - a) 120 VOLT DRY-BULB CIRCUIT BREAKER ASSEMBLY
- 3. TOWER INSTALLATIONS**
 - a) SELECT ALL REQUIREMENTS OF THE TOWER OWNER
 - b) INSTALL COMPLICATED FLEXIBLE CONDUIT UP THE TOWER TO COMPANY'S RAO CENTER
 - c) PROVIDE WINDING DEEPS ON CONDUIT CLIMBS AND DISBURSE CONDUITS AS WELL AS INNER CABLES ARE SUPPORTED.
 - d) CONDUIT INSULATE AT TOP OF TOWER FROM CONDUIT DOWN AND PROVIDE CABLE TERMINATION FITTINGS. EXTEND CABLES TO ROOFS EXPOSED AND SECURED TO STRUCTURE. AT CONDUIT ENT FROM TOWER, PROVIDE DEEP LOOPS AND WEAP HOLES.
 - e) AT DC BRIDGE RAIL CABLES IN RGS CONDUIT. UNLESS CONDUITS TO MAKE COMPACT NO DEGREE TURNS.
- 4. AC POWERING THE-41**
 - a) INSTALL SPURTS 120 VOLT DRY-BULB CIRCUIT BREAKER ASSEMBLY IN THE EXISTING POWER PROTECTION CABINET TELCO SECTION.
 - b) INSTALL A 20 AMPERE WOUND CASE CIRCUIT BREAKER IN AVAILABLE SPACE IN THE EXISTING PFC POWER SECTION LOAD CENTER.
- 5. GROUNDING**
 - a) 120 VOLT CIRCUITS: POWER CABLES MUST BE 3-WIRE WITH EQUIPMENT GROUNDING CONDUCTOR.
 - b) SUPPLEMENTAL GROUNDING: ALL GROUNDING HARDWARE MUST BE UL LISTED AS SUITABLE FOR GROUNDING HARDWARE.
 - c) RAILS: BOND RAILS TO THE TOWER TOP OR SECTION GROUND RAIL WITH #8 BARE THREADED COPPER WIRE (GREEN INSULATED ON ROOFTOPS).
 - d) DRY-BULB CIRCUIT BREAKER ASSEMBLY: BOND SERVICE WIRESECTION TO PFC TELCO BOARD GROUND BAR.
- 6. WINDSHIELD**
 - a) CONDUIT
 - 1) #3 BOND GALVANIZED STEEL CONDUIT (RGS) - UL LISTED COMPART WITH AIR STANDARD CGL, NO-DIP GALVANIZED WITH THREADED FITTINGS MANUFACTURERS: ALLED REFLECTAL, WEXFALD, OR EQUAL.

- a) CORRUGATED FLATBAR CONDUIT: DRAINAGE OR EQUAL.
- b) LOAD-BEAR FIBERGLASS METALLIC CONDUIT (ELMO) UL LISTED, W/ RESISTANT, AFC, MAXIMUM, SCHEDULE 40, CARBON OR EQUAL.
- c) PFC CONDUIT: SCHEDULE 40, CARBON OR EQUAL.
- d) CABLE HOLE AND CABLE TERMINATION FITTINGS: 02 GEOTECH OR ROUTTE B) CONDUIT HOLE: #1/2" - 1" MANUFACTURERS: COMACORP, R73 OR FCI.
- e) FASTENERS AND HARDWARE
 - 1) TO SECURE BACKMATS, UTILIZE NON CORRODING NON-MAGNETIC METALLIC FASTENERS AND HARDWARE SUITABLE FOR THE PURPOSE.
 - 2) POWER CABLES - 1/2" Ø13 SPOW BY SQUARE OR EQUAL.
 - 3) FIBER CABLES AND CONNECTORS: OUTDOOR RATED, CUL. 50, RICHON OR EQUAL.
 - 4) FIBER CABLES: FORMING FIBERDOW (RM 0.1") OUTDOOR RATED CABLE, 4F, SHIELD RATED OR EQUAL.
 - 5) BR THREADED NUTS FOR ANTENNA CONNECTION: SELECT NO/LOW METAL PARTICLES (ALUMINUM, ZINC, COPPER, ETC)
- 7. COOLER COUPLING**
 - a) COOLER COUPLING CABLES AND CONDUITS AS REQUIRED BY SPRINT STANDARD 15-0200.
- 8. TESTING AND CONSTRUCTION COMPLETE**
 - a) SWEEP ALL COAXIAL CABLES ACCORDING TO SPRINT STANDARD 15-0200
 - b) PANEL, ANTENNA ALIGNMENT - USING ELECTRONIC ALIGNMENT TOOL, AZIMUTH/ROLL/TILT +/- 1 DEGREE.
 - c) LEAVE EQUIPMENT DE-ENERGIZED UNTIL INSTRUCTED BY THE COMMISSIONING AND INTEGRATION TEAM TO ENERGIZE.
 - d) OTHER REQUIREMENTS AND DOCUMENTS MAY BE REQUIRED BEFORE THE CONSTRUCTION COMPLETE MILESTONE CAN BE ACTUALIZED IN SPRINTA (SPRINT'S DATABASE-OF-RECORD)



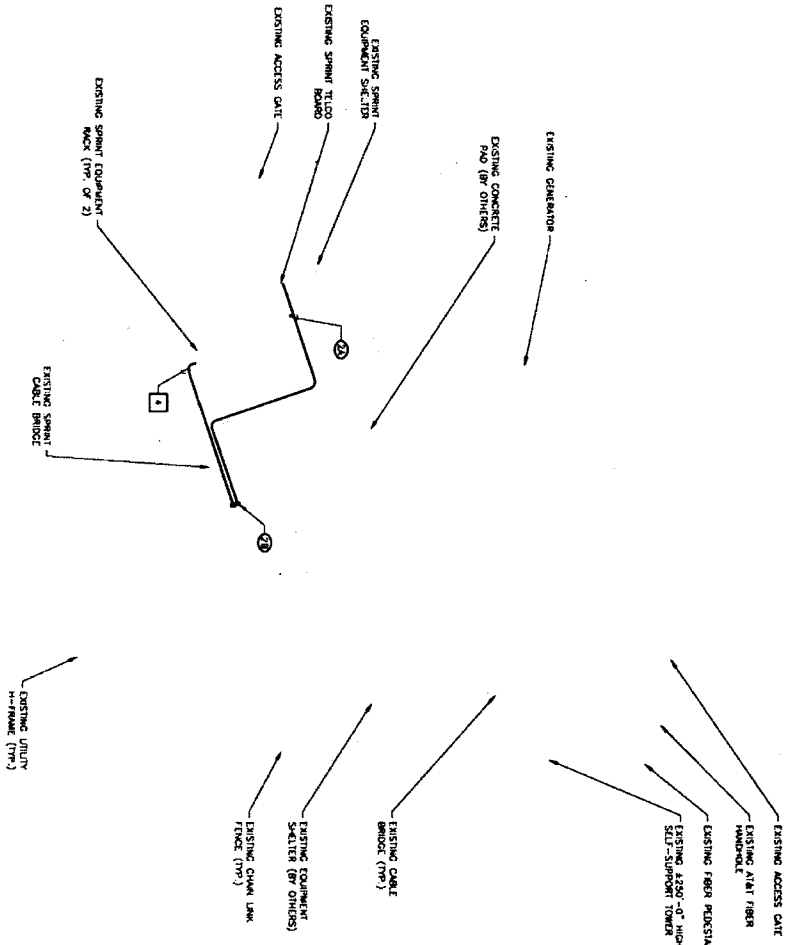
INSTALLATION & EQUIPMENT			
Project Name: PONTE VEDRA BEACH Project ID: JA73XC004 Project Location: 15000 S.W. 15th Street, Ponte Vedra Beach, FL 32082		Drawing Title:	
Revision: 0		Sheet No.: SP-1	

Professional Seal/Stamp area for the State of Florida, including the name ROBERT J. LASKA, AR 2824, and the date NOV 4 2016.

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- EXCEL CORROSION CALL OUTS:**
- ② PROPOSED 1 1/2" CONDUIT FOR 40 POWER 7/8" SIZE CABLE FROM CABLE TRAY TO SPRINT 12" BRIDGE TRANSMISSION POWER AT CABLE TRAY. SEE SHEET C-1 FOR CORROSION DETAIL. 8' EXISTING DETAIL.
 - ③ PROPOSED 1" CONDUIT FOR FIBER & FIBER OPTIC FROM CABLE TRAY TO SPRINT 12" BRIDGE TRANSMISSION POWER AT CABLE TRAY. SEE SHEET C-1 FOR CORROSION DETAIL. 8' EXISTING DETAIL.
 - ④ PROPOSED 1" CONDUIT FOR FIBER & FIBER OPTIC FROM CABLE TRAY TO SPRINT 12" BRIDGE TRANSMISSION POWER AT CABLE TRAY. SEE SHEET C-1 FOR CORROSION DETAIL. 8' EXISTING DETAIL.

SITE PLAN
24"x36" SCALE 1/4" = 1'-0"
11"x17" SCALE 1/8" = 1'-0"



PROJECT: PONTE VEDRA BEACH PROJECT NO.: JA73XC004 PROJECT SHEET: NETWORK SPRODE CD	
DATE: 11/24/16 BY: JMS CHECKED BY: JMS SCALE: 1/4" = 1'-0"	
PROJECT NO.: 716111 DATE: 11/24/16 BY: JMS CHECKED BY: JMS SCALE: 1/4" = 1'-0"	
PROJECT NO.: 0 DATE: C-1	

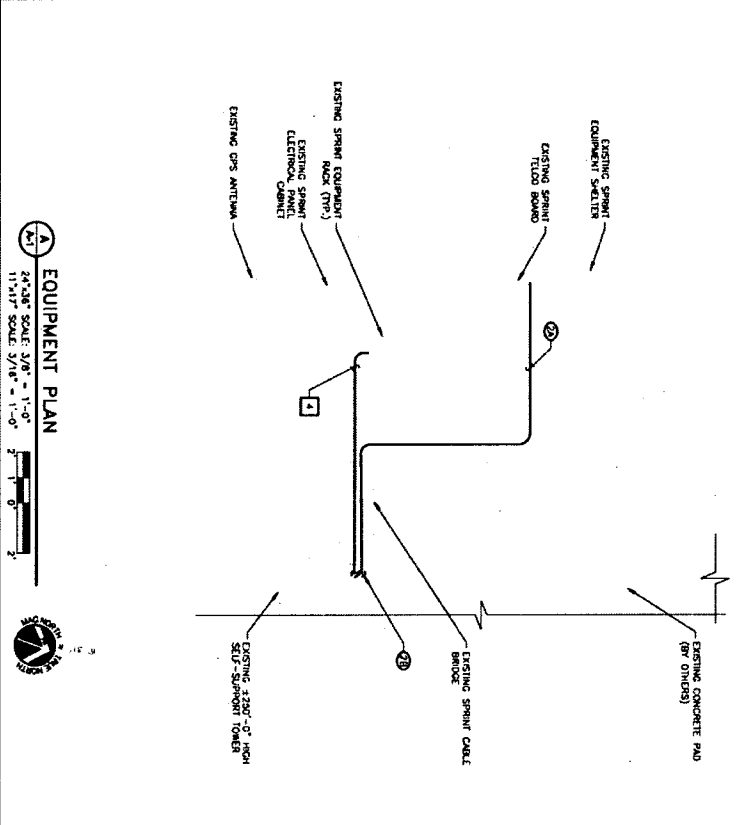
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- EXISTING CONDUIT CALL OUTS:**
- Ⓜ PROPOSED 1/2" CONDUIT FOR 48 Pairs 1/2" SCOR CABLE FROM EXISTING CONDUIT FROM THE SOUTH SIDE OF THE EXISTING TOWER. SEE SHEET A-2 FOR CONDUIT SECTION, & ROUTING DETAILS.
 - Ⓝ PROPOSED SCOR CABLE FROM SPRINT CABLE BRIDGE TRANSMISSION POINT AT CELL TOWER TO SPRINT LAMBD AND CONTROL. SEE SHEET A-2 FOR ROUTING DETAILS.
 - Ⓞ PROPOSED 1" CONDUIT FOR FIBER & STRENGTH FROM EXISTING HW LAMBDS CONDUIT TO SPRINT LAMBD AND CONTROL. SEE SHEET A-2.

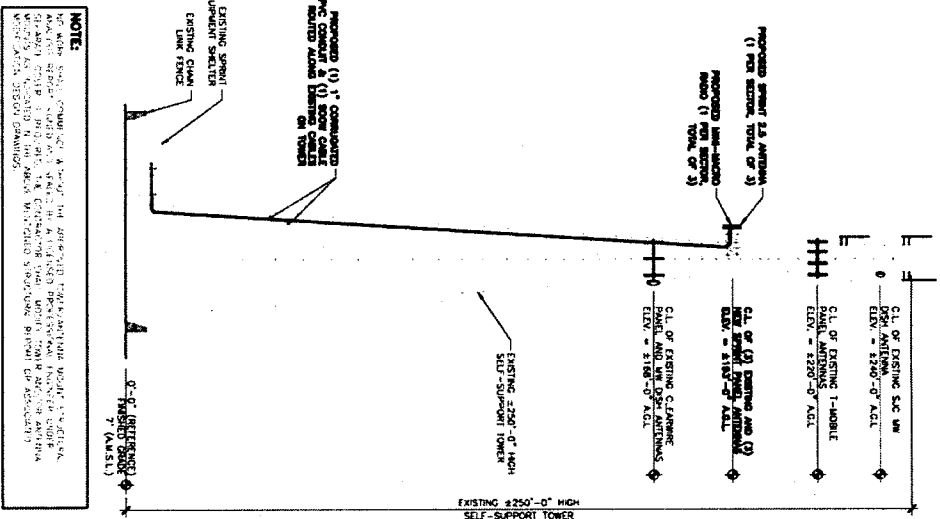
NOTE: ALL CONSTRUCTION SHALL NOT BE DONE ON THE EXISTING LAMBD/CABLE ON TOWER.

NO PARTY INSPECTION CONSTRUCTION SHALL BE RESPONSIBLE FOR HAZARD AT ANY POINT SPECIAL INSPECTIONS AS REQUIRED BY THE CONTRACTOR.

NOTE: PLAN INFORMATION CONTAINED HEREIN IS THE PROPERTY OF THE ENGINEER. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. ANY REUSE OR MODIFICATION OF THIS PLAN INFORMATION IS THE RESPONSIBILITY OF THE USER.



A EQUIPMENT PLAN
24'-0" SCALE: 3/8" = 1'-0"
11'-0" SCALE: 3/16" = 1'-0"

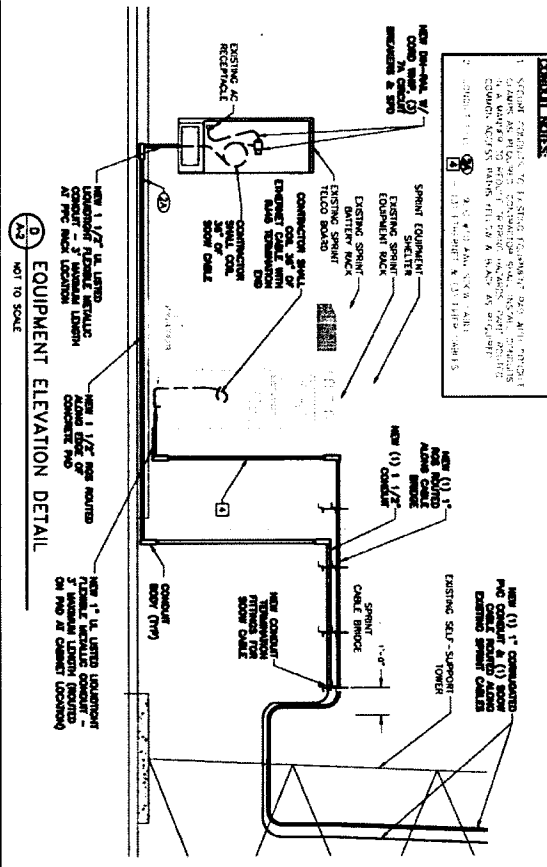
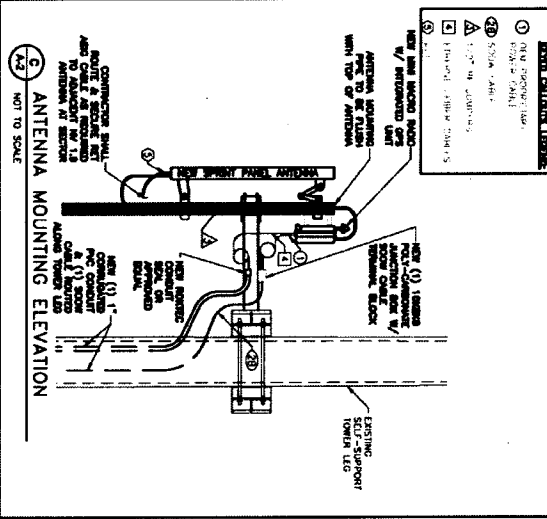
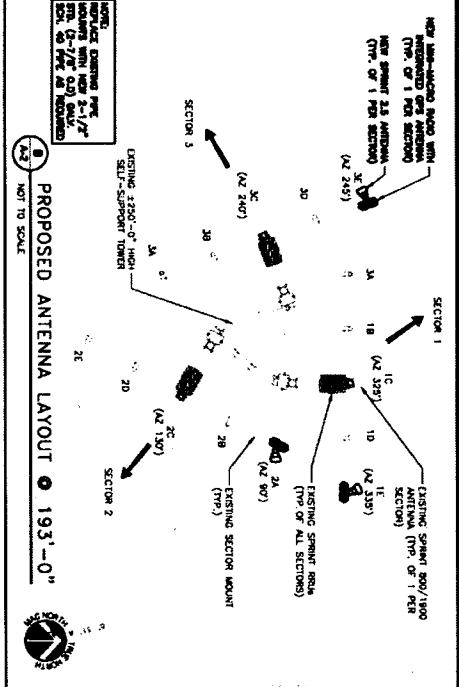
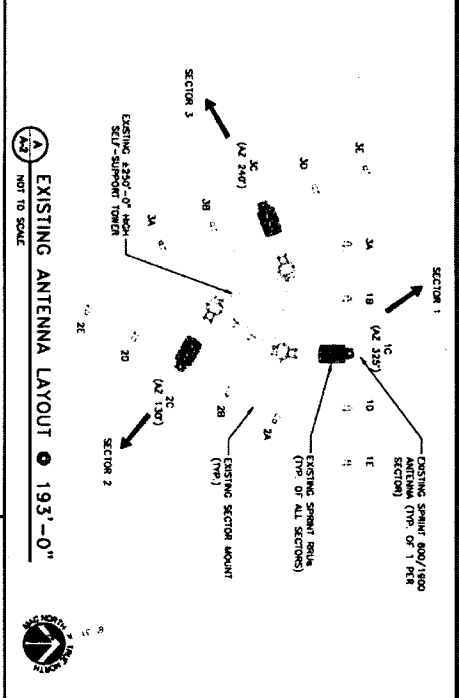


B TOWER PROFILE
24'-0" SCALE: 3/8" = 1'-0"
11'-0" SCALE: 3/16" = 1'-0"

NOTE:
NO NEW SPRINT CONDUIT TO BE INSTALLED TO EXISTING TOWER. EXISTING CONDUIT SHALL BE USED FOR ALL SPRINT CABLES. ALL NEW SPRINT CABLES SHALL BE INSTALLED IN THE EXISTING CONDUIT. THE EXISTING CONDUIT SHALL BE USED FOR ALL SPRINT CABLES. THE EXISTING CONDUIT SHALL BE USED FOR ALL SPRINT CABLES. THE EXISTING CONDUIT SHALL BE USED FOR ALL SPRINT CABLES.

<p>DATE: Nov 4 2016</p> <p>PROJECT: NETWORK IMPROVEMENT</p>		<p>PROJECT: PONTA VEDRA BEACH JAY3XC004 TOWER SITE</p>
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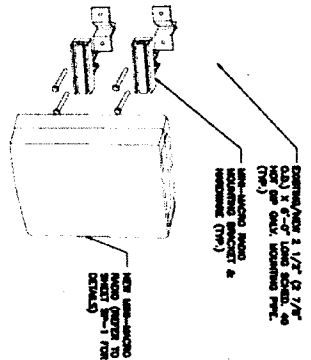
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PROJECT: PONTA VEDRA BEACH JAYSC004
 DRAWING: ANTENNA LAYOUTS & MOUNTING DETAILS
 DATE: 11/04/16
 DRAWN BY: JLV
 CHECKED BY: JLV
 PROJECT NO.: 7160111
 SHEET NO.: A-2
 TOTAL SHEETS: 0

STATE OF FLORIDA
 ROBERT J. LEE, AR 2324
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL ENGINEER
 NOV 4 2016
 G:\Sprint

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(A) MINI-MACRO RADIO MOUNTING DETAIL
NOT TO SCALE

(B) NOT USED

PROPOSED ANTENNA AND CABLE SCHEDULE

ANTENNA	TYPE	NO. ANTENNAS	HEIGHT	ANTENNA	TYPE	NO. ANTENNAS	HEIGHT	ANTENNA	TYPE	NO. ANTENNAS	HEIGHT	ANTENNA	TYPE	NO. ANTENNAS	HEIGHT	ANTENNA	TYPE	NO. ANTENNAS	HEIGHT
ANTENNA	3/8"	1	185'-0"	ANTENNA	ALPHA	1	185'-0"	ANTENNA	ALPHA	1	185'-0"	ANTENNA	ALPHA	1	185'-0"	ANTENNA	ALPHA	1	185'-0"
ANTENNA	3/8"	1	185'-0"	ANTENNA	ALPHA	1	185'-0"	ANTENNA	ALPHA	1	185'-0"	ANTENNA	ALPHA	1	185'-0"	ANTENNA	ALPHA	1	185'-0"
ANTENNA	3/8"	1	185'-0"	ANTENNA	ALPHA	1	185'-0"	ANTENNA	ALPHA	1	185'-0"	ANTENNA	ALPHA	1	185'-0"	ANTENNA	ALPHA	1	185'-0"
ANTENNA	3/8"	1	185'-0"	ANTENNA	ALPHA	1	185'-0"	ANTENNA	ALPHA	1	185'-0"	ANTENNA	ALPHA	1	185'-0"	ANTENNA	ALPHA	1	185'-0"

(C) EQUIPMENT SCHEDULE
NOT TO SCALE (BASED ON 32" x 34" PAPER)

PROFESSIONAL CERTIFICATION

STATE OF FLORIDA
ROBERT J. LARA
AR-2824
Professional Engineer
November 4, 2016
CSIGN

PROJECT INFORMATION

Project No: 7180111
Site Name: PONTE VEDRA BEACH
JA73XC004
Ponte Vedra Beach, FL 32082

EQUIPMENT DETAILS

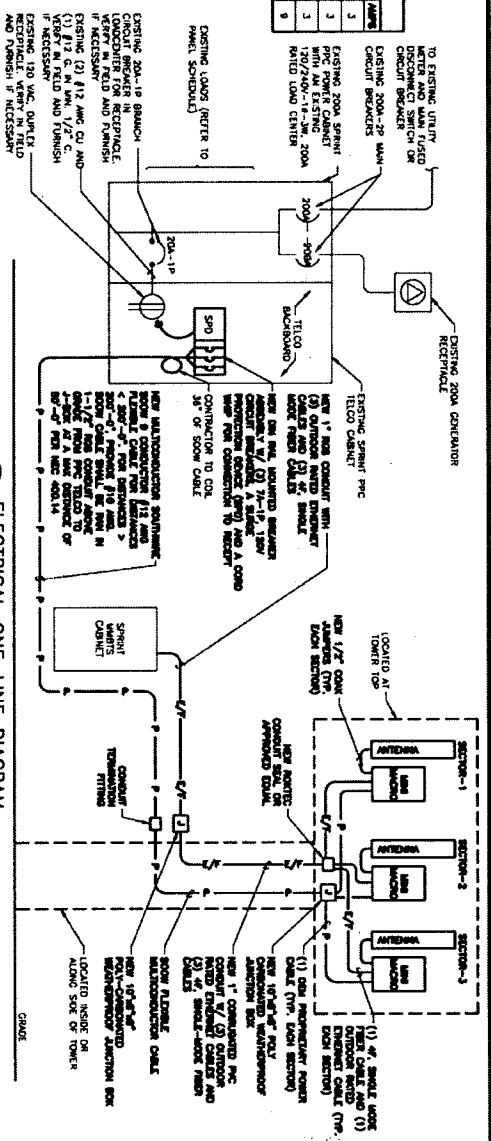
Project No: 7180111
Site Name: PONTE VEDRA BEACH
JA73XC004
Ponte Vedra Beach, FL 32082

Sheet No: 0 of 3
Drawing No: A-3

Sprint
WIRELESS COMMUNICATIONS

V:\projects\718 Series\7180111-Distribution-Spr-2.5-GR-JAV-V - Tower Sht-A\73XC004\Drawings\7180111_73XC004_2.5 NETWORK IMPROVE_COA_REV_0.2016.11.24.dwg plotted by: C:\Users\... 04 Nov 2016 - 2:44pm

DESCRIPTION	QUANTITY
EXISTING 200A-1P SPUR	3
EXISTING 200A-1P SPUR	3
EXISTING 200A-1P SPUR	3
TOTAL LOAD AT RECEIPT IN TELCO CABINET	9



EXISTING PANEL "Pp1"										200A, 120/240-1Ø-3W, 60Hz, 200A M.C.B.									
NO	QTY	DESCRIPTION	UNIT	NO	QTY	DESCRIPTION	UNIT	NO	QTY	DESCRIPTION	UNIT	NO	QTY	DESCRIPTION	UNIT	NO	QTY	DESCRIPTION	UNIT
0	400	EXISTING SUBIC SUPPRESSOR	E	1	10	EXISTING TELCO FAN	E	1	10	EXISTING WAREHOUSE	E	1	10	EXISTING WAREHOUSE	E	1	10	EXISTING WAREHOUSE	E
0	2200	EXISTING LIGHT	E	20	1/2"	EXISTING TELCO FAN	E	20	1/2"	EXISTING WAREHOUSE	E	20	1/2"	EXISTING WAREHOUSE	E	20	1/2"	EXISTING WAREHOUSE	E
		EXISTING LIGHT	E	30	1/2"	EXISTING WAREHOUSE	E	30	1/2"	EXISTING WAREHOUSE	E	30	1/2"	EXISTING WAREHOUSE	E	30	1/2"	EXISTING WAREHOUSE	E
		EXISTING LIGHT	E	40	1/2"	EXISTING WAREHOUSE	E	40	1/2"	EXISTING WAREHOUSE	E	40	1/2"	EXISTING WAREHOUSE	E	40	1/2"	EXISTING WAREHOUSE	E
		EXISTING LIGHT	E	50	1/2"	EXISTING WAREHOUSE	E	50	1/2"	EXISTING WAREHOUSE	E	50	1/2"	EXISTING WAREHOUSE	E	50	1/2"	EXISTING WAREHOUSE	E
		EXISTING LIGHT	E	60	1/2"	EXISTING WAREHOUSE	E	60	1/2"	EXISTING WAREHOUSE	E	60	1/2"	EXISTING WAREHOUSE	E	60	1/2"	EXISTING WAREHOUSE	E
		EXISTING LIGHT	E	70	1/2"	EXISTING WAREHOUSE	E	70	1/2"	EXISTING WAREHOUSE	E	70	1/2"	EXISTING WAREHOUSE	E	70	1/2"	EXISTING WAREHOUSE	E
		EXISTING LIGHT	E	80	1/2"	EXISTING WAREHOUSE	E	80	1/2"	EXISTING WAREHOUSE	E	80	1/2"	EXISTING WAREHOUSE	E	80	1/2"	EXISTING WAREHOUSE	E
		EXISTING LIGHT	E	90	1/2"	EXISTING WAREHOUSE	E	90	1/2"	EXISTING WAREHOUSE	E	90	1/2"	EXISTING WAREHOUSE	E	90	1/2"	EXISTING WAREHOUSE	E
		EXISTING LIGHT	E	100	1/2"	EXISTING WAREHOUSE	E	100	1/2"	EXISTING WAREHOUSE	E	100	1/2"	EXISTING WAREHOUSE	E	100	1/2"	EXISTING WAREHOUSE	E

NOTES:
 1) PANEL SCHEDULE FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY ALL BREAKER POSITIONS AND BREAKERS SHOWN.
 2) PANEL AT PPC POWER CABINET.
 3) NOT TO SCALE (BASED ON 2" = 1' - 3" PANEL).
 4) NOT TO SCALE (BASED ON 1" = 1' - 1" PANEL).

Professional Seal of **ROBERT J. LAAG**, AR 2324, License No. 12009, State of Florida, dated Nov 4 2016.

Sprint logo and text: Sprint, THE WIRELESS WAY OF LIFE, 4G LTE, VOIP, VIDEO, MMS, SMS, WAP, EDGE, U.S. PATENT & TRADEMARK OFFICE.

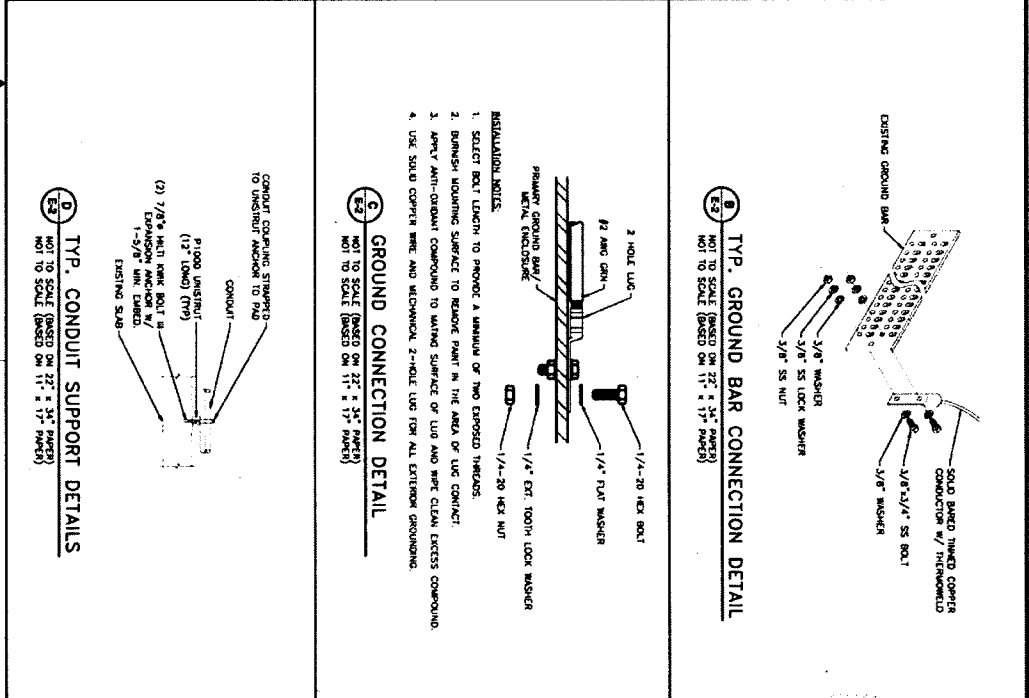
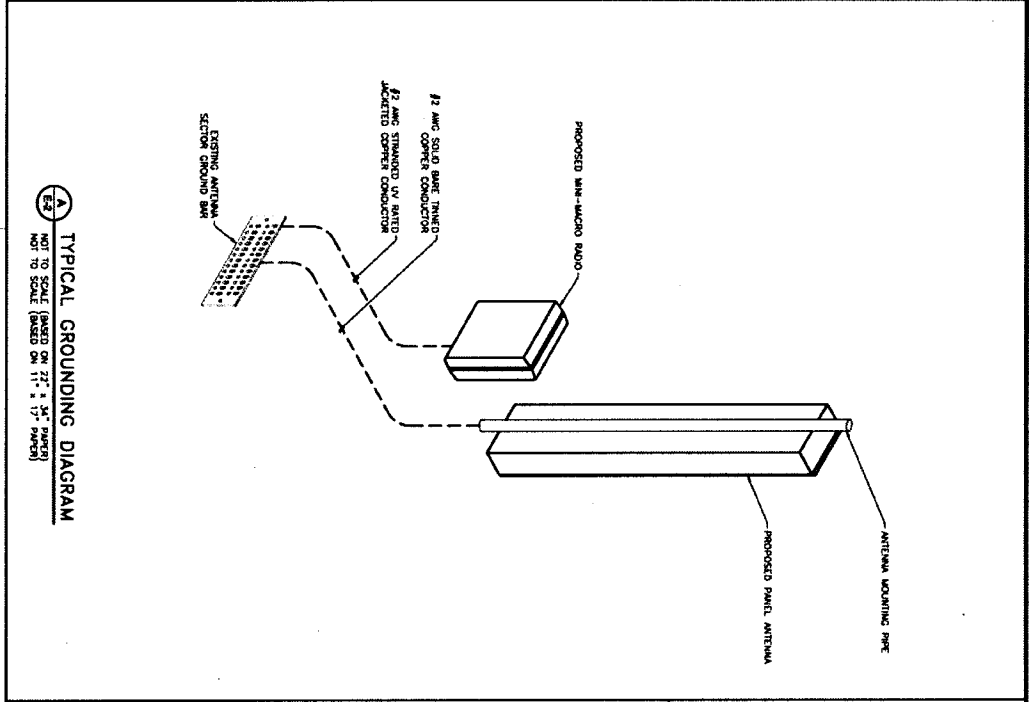
MH logo and text: MERRILL HUGHES, 2000 W. UNIVERSITY BLVD., SUITE 100, JACOBE, FL 32141, TEL: 407-644-1111.

Project Name: **PONTE VEDRA BEACH JAYSSCOVA POWER DISTRIBUTION**

Project No: 7180111

Sheet No: 0 of E-1

V:\proj\718 Series\7180111-Substation-04\18 2.5 04-JAV-V - Tower\Sheet\A73XC004\Drawings\7180111_A73XC004_2.5 NETWORK IMPROVE COL_REV 6_2016.11.dwg plotted by: C:\Users\ 04 Nov 2016 - 2:46pm



PROJECT: PONTA VEDRA BEACH ANTENNA GROUNDING PLAN & GROUNDING DETAILS SHEET NO. 0 OF 2 DATE: 11/04/16	
PROJECT: PONTA VEDRA BEACH ANTENNA GROUNDING PLAN & GROUNDING DETAILS SHEET NO. 0 OF 2 DATE: 11/04/16	

Site Name: Ponte Vedra
(JA73XC004)

Site ID #: FL7041-A



Ms. Kristen Beyer
BlueStream
Project Manager II
(321) 262-4599



MORRISON HERSHFIELD

Morrison Hershfield Corporation
1455 Lincoln Parkway, Suite 500S
Atlanta, GA 30346
(770) 379-8500

Date: October 27, 2016

Subject: Structural Feasibility Report

Carrier: Sprint
Carrier Site ID: JA73XC004
Carrier Site Name: Ponte Vedra Beach

Site Address: 5430 Palm Valley Rd., Ponte Veda Beach, St. Johns County, FL 32082
Site Coordinates: Latitude 30° 11' 30.84", Longitude -81° 22' 58.08"
Tower Description: 250 ft – Self-Support Tower

Morrison Hershfield Project Number: NEV-539 / 7160111

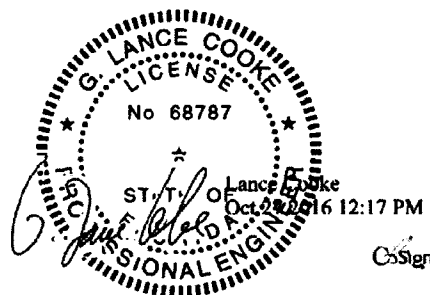
Dear Ms. Fowler,

Morrison Hershfield Corporation has carried out a structural feasibility analysis of the above referenced structure for the existing and proposed antenna and equipment noted in Table 2. This feasibility analysis has been performed in accordance with the 2014 Florida Building Code, 5th Edition, based upon an ultimate 3-second gust wind speed of 142 mph converted to a nominal 3-second gust wind speed of 110 mph per section 1609.3.1 as required for use in the TIA-222-G Standard per Exception #5 of Section 1609.1.1. Exposure Category C with a maximum topographic factor, Kzt, of 1.0 and Risk Category II were used in this analysis.

Our analysis demonstrates that the existing tower **IS in conformance (tower at 87.2%)** with the requirements of the above noted standards under the effects of loading described. The capacity of the foundation **CANNOT** be determined. We recommend a foundation investigation to determine the as-built foundations be conducted so that an analysis of the foundation capacity can be completed.

We at Morrison Hershfield Corporation appreciate the opportunity of providing our continuing professional services to you and BlueStream. If you have any questions or need further assistance on this or any other projects please give us a call.

Sincerely,
Morrison Hershfield Corporation



G. Lance Cooke, P.E. (FL License No. 68787)
Senior Engineer

Certification of Authorization # 8508

Morrison Hershfield

INTRODUCTION

This tower is a 250 ft guyed tower, and the original drawings are not available. The tower geometry and member sizes have been obtained from the previous structural analysis completed by SSOE Group, Project No. 014-01555-00, dated 10/23/2014 and are considered to be accurate.

This feasibility analysis was performed in accordance with the requirements of the 2014 Florida Building Code, 5th Edition, based upon an ultimate 3-second gust wind speed of 142 mph converted to a nominal 3-second gust wind speed of 110 mph per section 1609.3.1 as required for use in the TIA-222-G Standard per Exception # 5 of Section 1609.1.1. Exposure Category C, Topographic Category 1 and Risk Category II were used in this analysis. The design spectral response accelerations of $S_Ds = 0.116$ and $S_{D1} = 0.090$ for Site Soil Class D were considered in this analysis.

Seismic design factors have been considered in this analysis. The seismic spectral response acceleration at short periods ($S_s = 0.109$) was determined to be less than 1.00; therefore as per ANSI/TIA-222-G Section 2.7.3 seismic effects have not been considered in this analysis.

The structural analysis was based on the following documentation:

Table 1 – Documentation

Document	Description	Source
Modification Drawings	Paul J. Ford and Co, Project No. 06406-0005, dated 09/05/2006	Client
Previous Structural Analysis	Paul J. Ford and Company, Project No. 06406-0005 Revision #2, dated 02/06/2007	Client
Previous Structural Analysis	SSOE Group, Project No. 014-01555-00, dated 10/23/2014	Client
As-Built Drawings	CLS Group, Site No. JA73XC004, dated 11/03/2015	Client
Proposed Loading	RFDS, Sprint Site No. JA73XC004, dated 10/20/2016	Sprint

1.0 ANALYSIS LOADING

The existing and proposed antennas, transmission lines, and other equipment considered in this analysis were provided by the client and are noted in Table

Table 2 – Antenna Loads

Elev. (ft)	QTY.	Antenna/Appurtenance Description	Carrier	QTY.	TX-Lines	Notes
PROPOSED						
193.0	3	Alpha Wireless AW3286 Panel Antenna	Sprint	1	SOOW Power 1" Conduit Cat 5e Fiber Cable	1
	3	Nokia FWHR TMA		3		
EXISTING						
256.0	4	RFS/Celwave BMR12A Omni	SJC	1	3/4" Conduit 1/2" 7/8"	2
251.0	1	Decibel DB589 Omni		1		
	1	Decibel DB220-A Omni		3		
246.0	4	Amphenol TTA TMA	SJC	-	-	2
	3	Side Arm Mount		-		
240.0	1	2' Dish	SJC	-	-	2
	1	Pipe Mount		-		
230.0	3	RFS/Celwave BMR10 Omni	SJC	3	1-5/8"	2
	3	Side Arm Mount		-		



Elev. (ft)	QTY.	Antenna/Appurtenance Description	Carrier	QTY.	TX-Lines	Notes
EXISTING [Cont'd]						
220.0	10	Andrew TMBXX-6517-R2M Panel Antenna	T-Mobile	12	1-5/8"	2
	3	Nokia FRIG TMA				
	3	Nokia FXFB TMA				
	3	Sector Mount				
193.0	3	RFS/Celwave APXVSPPI8-C Panel Antenna	Sprint	3	1/2"	2
	3	Ericsson RRU-11 RRU				
	3	Ericsson RRU-31 RRU				
	3	Sector Mount				
168.0	6	Kathrein 840-10054 Panel Antenna	Clearwire	12	1-5/8"	2
	2	2' Dish				
	1	2.5' Dish				
	3	Sector Mount				
160.0	1	2' Dish	JEA	1	7/8"	2
	1	Pipe Mount				
	1	Andrew PAR6 Dish	SJC	1	EW63	2
	1	Pipe Mount				
150.0	1	Amphenol BCD-87010 Omni	SJC	1	7/8"	2
	1	Side Arm Mount				
90.0	1	Scala TY-900 Yagi	JEA	1	1/2"	2
	1	Side Arm Mount				

Notes:

- 1) Proposed equipment is in addition to the existing equipment at given elevation.
- 2) Existing loading is to remain on the tower.

ANALYSIS PROCEDURE

trxTower Version 7.0.7.0, a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is attached at the end of this report.

2.0 ASSUMPTIONS

The analysis provided by Morrison Hershfield is based on the theoretical capacity of the structure and is not a condition assessment of the tower. Morrison Hershfield has not performed an engineering inspection of the tower and the analysis was completed based on information supplied by the client. Morrison Hershfield has not made any independent determination of the accuracy of the information provided.

- 1) Tower and structures were built in accordance with the manufacturer's specifications and the applicable ANSI/TIA/EIA standard.
- 2) The tower and structures have been maintained in accordance with the manufacturer's specification.
- 3) The tower is assumed to be in good condition and capable of supporting its full design capacity.
- 4) The foundation was properly designed and constructed for the original design loads.
- 5) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Table 2.



250 ft – Self-Support Tower – Structural Feasibility Report
Project Number: NEV-539 / 7160111

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- 6) All existing/proposed antennas and antenna mounts are assumed to be adequate for the existing/proposed loads. Analysis of these antennas and antenna mounts is considered to be outside of the scope of this analysis. Morrison Hershfield has not performed an analysis of the existing/proposed antennas or antenna mounts.
- 7) The existing loading was taken from previous structural analysis by SSOE Group, Project No. 014-01555-00, dated 10/23/2014 and As-built Drawings by CLS Group, Site No. JA73XC004, dated 11/03/2015, and is considered to be correct.
- 8) The proposed loading was taken from RF Data Sheet, Sprint Site No. JA73XC004, dated 10/20/2016, and is considered to be correct.

If any assumptions are not valid or have been made in error, this analysis is invalid. Morrison Hershfield Corporation should be notified to determine the effect on the structural integrity of the tower.

3.0 SUMMARY OF RESULTS

The following tables summarize the location and utilized percentage of available capacity for each component of the tower. With consideration to the appropriate safety factors, 100% represents the full capacity of the component. Percentages below 100% indicate available capacity and conformance of the component. Percentages between 100% and 105% indicate an acceptable capacity. Percentages above 105% indicate an overstressed situation requiring structural modification to ensure conformance with the applicable codes and standards.

Based on our analysis results, the tower is within capacity to support the loads under the current loading scenario.

Table 3 – Tower Section Capacity

Section No.	Elevation ft	Component Type	Size	% Capacity	Pass/Fail
T1	250 - 230	Leg	ROHN 3 STD	15.2	Pass
T2	230 - 210	Leg	ROHN 4 STD	29.2	Pass
T3	210 - 203.333	Leg	ROHN 5 STD	26.7	Pass
T4	203.333 - 196.667	Leg	ROHN 5 STD	30.2	Pass
T5	196.667 - 190	Leg	ROHN 5 STD	32.7	Pass
T6	190 - 170	Leg	ROHN 5 STD	62.2	Pass
T7	170 - 150	Leg	ROHN 6 X-STR	40.1	Pass
T8	150 - 130	Leg	ROHN 8 X-STR	31.0	Pass
				36.7 (b)	
T9	130 - 110	Leg	ROHN 8 X-STR	37.9	Pass
T10	110 - 90	Leg	ROHN 10 X-STR	33.8	Pass
				33.9 (b)	
T11	90 - 70	Leg	ROHN 10 X-STR	38.5	Pass
T12	70 - 50	Leg	ROHN 12 EH	36.3	Pass
T13	50 - 30	Leg	ROHN 12 EH	40.6	Pass
T14	30 - 0	Leg	ROHN 12.75 EHS	37.9	Pass
T1	250 - 230	Diagonal	ROHN 2 STD	28.3	Pass
T2	230 - 210	Diagonal	ROHN 2 STD	61.1	Pass
T3	210 - 203.333	Diagonal	ROHN 2 STD	58.5	Pass
T4	203.333 - 196.667	Diagonal	ROHN 2 STD	61.3	Pass
T5	196.667 - 190	Diagonal	ROHN 2 STD	73.9	Pass
T6	190 - 170	Diagonal	ROHN 3 STD	37.1	Pass
T7	170 - 150	Diagonal	ROHN 3.5 STD	29.6	Pass
T8	150 - 130	Diagonal	ROHN 3.5 STD	35.5	Pass
T9	130 - 110	Diagonal	ROHN 3.5 STD	41.3	Pass
T10	110 - 90	Diagonal	ROHN 3.5 STD	51.0	Pass
T11	90 - 70	Diagonal	ROHN 3.5 STD	45.3	Pass
T12	70 - 50	Diagonal	ROHN 3.5 STD	51.4	Pass
T13	50 - 30	Diagonal	ROHN 3.5 X-STR	43.5	Pass
				48.0 (b)	
T14	30 - 0	Diagonal	ROHN 3.5 X-STR	48.6	Pass
T1	250 - 230	Horizontal	ROHN 1.5 STD	14.4	Pass
T2	230 - 210	Horizontal	ROHN 1.5 STD	36.0	Pass
T3	210 - 203.333	Horizontal	ROHN 2 STD	22.9	Pass
				23.5 (b)	
T4	203.333 - 196.667	Horizontal	ROHN 2 STD	24.0	Pass
T5	196.667 - 190	Horizontal	ROHN 2 STD	27.5	Pass
T6	190 - 170	Horizontal	ROHN 2 X-STR	26.5	Pass



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October 27, 2016
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Section No.	Elevation ft	Component Type	Size	% Capacity	Pass Fail	
T7	170 - 150	Horizontal	ROHN 2.5 STD	28.9 (b)	Pass	
T8	150 - 130	Horizontal	ROHN 3 STD	26.8	Pass	
T9	130 - 110	Horizontal	ROHN 3 STD	21.9	Pass	
T10	110 - 90	Horizontal	ROHN 3 STD	28.3 (b)	Pass	
T11	90 - 70	Horizontal	ROHN 3 STD	26.8	Pass	
T12	70 - 50	Horizontal	ROHN 3 X-STR	30.1 (b)	Pass	
T13	50 - 30	Horizontal	ROHN 3.5 STD	35.4	Pass	
T14	30 - 0	Horizontal	ROHN 3.5 X-STR	40.3	Pass	
T1	250 - 230	Top Girt	ROHN 1.5 STD	42.3	Pass	
T5	196.667 - 190	Redund Horz 1 Bracing	L2x2x3/16	44.9	Pass	
T11	90 - 70	Redund Horz 1 Bracing	ROHN 1.5 STD	44.0	Pass	
T12	70 - 50	Redund Horz 1 Bracing	ROHN 1.5 STD	47.5 (b)	Pass	
T13	50 - 30	Redund Horz 1 Bracing	ROHN 2 STD	10.6	Pass	
T14	30 - 0	Redund Horz 1 Bracing	ROHN 1.5 STD	6.7	Pass	
T14	30 - 0	Redund Horz 2 Bracing	ROHN 2 X-STR	32.1	Pass	
T5	196.667 - 190	Redund Diag 1 Bracing	L2x2x3/16	42.0	Pass	
T11	90 - 70	Redund Diag 1 Bracing	2L2x2x3/16x3/8	28.8	Pass	
T12	70 - 50	Redund Diag 1 Bracing	2L2x2x3/16x3/8	38.3	Pass	
T13	50 - 30	Redund Diag 1 Bracing	2L2x2x3/16x3/8	49.3	Pass	
T14	30 - 0	Redund Diag 1 Bracing	2L2x2x3/16x3/8	7.5	Pass	
T14	30 - 0	Redund Diag 2 Bracing	2L2x2x3/16x3/8	49.5	Pass	
T11	90 - 70	Redund Hip 1 Bracing	ROHN 1.5 STD	55.4	Pass	
T12	70 - 50	Redund Hip 1 Bracing	ROHN 1.5 STD	63.7	Pass	
T13	50 - 30	Redund Hip 1 Bracing	ROHN 1.5 STD	70.5	Pass	
T14	30 - 0	Redund Hip 1 Bracing	ROHN 1.5 STD	87.2	Pass	
T14	30 - 0	Redund Hip 2 Bracing	ROHN 2 STD	0.3	Pass	
T11	90 - 70	Redund Hip Diagonal 1 Bracing	ROHN 3 STD	0.3	Pass	
T12	70 - 50	Redund Hip Diagonal 1 Bracing	ROHN 3 STD	0.3	Pass	
T13	50 - 30	Redund Hip Diagonal 1 Bracing	ROHN 3 STD	0.4	Pass	
T14	30 - 0	Redund Hip Diagonal 1 Bracing	ROHN 3 STD	0.5	Pass	
T14	30 - 0	Redund Hip Diagonal 2 Bracing	ROHN 3 STD	0.5	Pass	
T11	90 - 70	Redund Hip Diagonal 1 Bracing	ROHN 3 STD	0.5	Pass	
T12	70 - 50	Redund Hip Diagonal 1 Bracing	ROHN 3 STD	0.5	Pass	
T13	50 - 30	Redund Hip Diagonal 1 Bracing	ROHN 3 STD	0.5	Pass	
T14	30 - 0	Redund Hip Diagonal 1 Bracing	ROHN 3 STD	0.7	Pass	
T14	30 - 0	Redund Hip Diagonal 2 Bracing	ROHN 3 STD	0.6	Pass	
T1	250 - 230	Inner Bracing	L2x2x1/8	0.5	Pass	
T2	230 - 210	Inner Bracing	L2x2x1/8	0.1	Pass	
T3	210 - 203.333	Inner Bracing	L2x2x1/8	0.1	Pass	
T4	203.333 - 196.667	Inner Bracing	L2x2x1/8	0.2	Pass	
T5	196.667 - 190	Inner Bracing	L2x2x1/8	0.2	Pass	
T6	190 - 170	Inner Bracing	L2x2x1/8	0.3	Pass	
T7	170 - 150	Inner Bracing	L2 1/2x2 1/2x3/16	0.2	Pass	
T8	150 - 130	Inner Bracing	L3x3x3/16	0.2	Pass	
T9	130 - 110	Inner Bracing	L3 1/2x3 1/2x1/4	0.2	Pass	
T10	110 - 90	Inner Bracing	L3 1/2x3 1/2x1/4	0.2	Pass	
T11	90 - 70	Inner Bracing	ROHN 3 STD	0.2	Pass	
T12	70 - 50	Inner Bracing	ROHN 3 STD	0.3	Pass	
T13	50 - 30	Inner Bracing	ROHN 3 STD	0.3	Pass	
T14	30 - 0	Inner Bracing	ROHN 3 STD	0.3	Pass	
				Summary		
				Leg (T6)	62.2	Pass
				Diagonal (T5)	73.9	Pass
				Horizontal (T14)	47.5	Pass
				Top Girt (T1)	10.6	Pass
				Redund Horz 1 Bracing (T12)	42.0	Pass
				Redund Horz 2 Bracing (T14)	49.3	Pass
				Redund Diag 1 Bracing (T14)	70.5	Pass
				Redund Diag 2 Bracing (T14)	87.2	Pass
				Redund Hip 1 Bracing (T14)	0.5	Pass
				Redund Hip 2 Bracing (T14)	0.5	Pass
				Redund Hip Diagonal 1 Bracing (T14)	0.7	Pass
				Redund Hip Diagonal 2 Bracing (T14)	0.6	Pass
				Inner Bracing (T1)	0.5	Pass
				Bolt Checks	48.0	Pass
				RATING =	87.2	Pass



Capacity of Additional Components

Component	% Capacity	Pass/Fail
Anchor Rods	31.1	Pass

4.0 RECOMMENDATIONS

1. All assumptions made in this analysis should be carefully reviewed. Morrison Hershfield should be contacted for any discrepancies so that a full assessment may be made to validate the results of this analysis.
2. Morrison Hershfield strongly recommends that a foundation investigation to determine the as-built foundations be conducted so that the foundation can be properly analyzed prior to installing any additional equipment or make any other changes to the structure.

ATTACHMENTS: Tower Profile, Program Output, Coax Sketch and Additional Calculations.



**Site Name: Ponte Vedra
(JA73XC004)**

Site ID #: FL7041-A

**THE REMAINING PAGES OF THE 23 PAGE STRUCTURAL FEASIBILITY REPORT DATED
OCTOBER 27, 2016, IS ON FILE AT THE ST. JOHNS COUNTY REAL ESTATE DIVISION, 500 SAN
SEBASTIAN VIEW, ST. AUGUSTINE, FLORIDA 32084.**