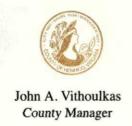


## COMMONWEALTH OF VIRGINIA



# COUNTY OF HENRICO

May 21, 2013

Sprint c/o Mr. Mike Ahl 2 Industrial Drive Fairfield, NJ 07004

Re: Provisional Use Permit PUP2013-00006

Dear Mr. Ahl:

The Board of Supervisors at its meeting on May 14, 2013, granted your request for a Provisional Use Permit under Sections 24-95(a)(3), 24-120 and 24-122.1 of Chapter 24 of the County Code in order to replace an existing light pole with a 124' high monopole-style telecommunications tower and related equipment, on part of Parcel 743-770-4669, subject to the following conditions:

- If the use of the tower for communication purposes is discontinued for 180 days, the antennas and all related structures shall be removed from the site within ninety (90) days. Within ten (10) business days after written request by the County, the owner of the antennas and equipment shall provide the County with written confirmation of the status of the facility, the number of and identity of users, available co-location space and such additional information as may be reasonably requested.
- 2. Application for a building permit to install the light pole replacement/ telecommunication tower must be made within one year after the Provisional Use Permit is granted by the Board of Supervisors, unless an extension of time is granted by the Director of Planning upon a written request by the applicant.
- The applicant shall obtain approval from the Planning Commission should the FAA
  require the addition of standard obstruction marking and lighting (i.e. red lighting
  and orange and white striping) to the light pole/tower. Any changes to the proposed
  galvanized finish of the light pole/tower shall be submitted to the Director of
  Planning for approval.
- 4. When site construction is initiated as a result of this Provisional Use Permit, the applicant shall complete requirements prescribed by Chapter 10 of the Henrico County Code. In particular, land disturbance of more than 2,500 square feet will require that construction plans include a detailed drainage and erosion control plan

prepared by a professional engineer certified in the State of Virginia. Ten (10) sets of the construction plans shall be submitted to the Department of Public Works for approval.

- If ownership of the lease is transferred to another provider, the new owner shall submit a Transfer of Provisional Use Permit.
- The height of the light pole/tower and any attached equipment shall not exceed 124 feet.
- 7. This permit shall apply only to the 247± square foot lease area identified on Exhibit C (see case file). Ground equipment shall be located within an enclosed and secure building of the type shown on Exhibit E (see case file).
- 8. Low-profile "flush mounted" antennas or a similar style of equipment as approved by the Director of Planning to reduce the visual profile of equipment shall be installed on the light pole/tower.
- 9. The co-location of additional users, as technically feasible and in accordance with the Lease Agreement with the County School Board shall be allowed at this site.
- 10. Prior to the co-location of any carrier's antennas or addition of equipment lease space, a revised site plan and equipment placement details shall be submitted to the Planning Department for approval.
- 11. To maintain visual and sound buffering, a supplemental landscaping plan may be required by the Director of Planning. The Director of Planning may waive the enforcement of this condition if it is deemed unnecessary.
- Any UHF, VHF or other type of receivers/transmitters that would interfere with the County's Division of Police emergency communications are prohibited from this pole/tower.
- 13. A UV resistant, vinyl coated polyester shade density screen or equivalent shall be submitted to the Director of Planning and Henrico County Public Schools for approval and installed and maintained around the security chain link fence. The density and color shall match existing screening and dimensions. Installation shall be in accordance with manufacturer's specifications. If the shade screen is found to be in need of maintenance or replacement, the tower owner shall repair or replace the screen within 30 days from being notified.
- 14. Telecommunication cables shall be prohibited on the exterior of the light pole/tower.
- 15. Any future owner of the communication facility shall abide by all conditions approved with this request.

Sprint May 21, 2013 Page 3

The Planning Department has been advised of the action of the Board of Supervisors and requested to revise its records and to place a copy of this notification in the Provisional Use Permit Index.

Sincerely,

John A. Vithoulkas County Manager

pc: Mr. Tom Scirotto

The County School Board of Henrico Director, Real Estate Assessment Provisional Use Permit Index

# SITE INFORMATION

743-770-4669 DEED REF .: D.B. 2839, PG. 643

ZONING: 4-1 HENRICO COUNTY JURISDICTION: DISTRICT: THREE CHOPT DISTRICT

ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY MAPS, THE PROPOSED TELECOMMUNICATIONS SITE IS LOCATED IN ZONE "X", COMMUNITY PANEL NO. 51087C0040CD, DATED 12-18-2007.

NO WETLANDS AREAS HAVE INVESTIGATED BY THIS SURVEY

# LEGAL DESCRIPTION

STUATED ON ALL THAT PIECE OR PARCEL OF LAND OWNED BY HENRICO COUNTY SOHOOL BOARD, LOCATED THREE CHOPT DISTRICT, HENRICO COUNTY, WARCHUA GPIN: 743—770—4663 AND FURTHER REFERENCED IN O.B. 2833, PC. 643, HENRICO COUNTY, WACHMA.

COUNTY, WRIGHING CHIR. 143.-170.-4609 AND FUNTHER REFERENCED IN DR. 283, PC. 643, HERRICO COUNTY, WRIGHINA.

COMMENCING AT THE POINT OF INTERFECTION OF THE NORTH LINE OF THIM MONORY AND AND THE EAST LINE OF SHADY GOINE ROUD, THENCE NO. 88 11' 28" E. A DISTANCE OF 32.7 FEET TO THE POINT OF CUPPATURE OF THIM HICKORY FOOD, THENCE ALONG THE WORTH LINE OF THIM HICKORY FOOD, THENCE ALONG THE WORTH LINE OF THIM HICKORY FOOD, THENCE ALONG THE WORTH LINE OF THIM HICKORY FOOD, AND SHADE FOOT TO A POINT, THENCE N. 89' 00' 00" E. A DISTANCE OF 51.07 FEET TO A POINT, THENCE N. 89' 00' 00" E. A DISTANCE OF 51.07 FEET TO A POINT, THENCE N. 89' 00' 00" E. A DISTANCE OF 58.65 FEET TO A POINT, THENCE N. 89' 00' 00" E. A DISTANCE OF 58.65 FEET TO A POINT, THENCE N. 89' 00' 00" E. A DISTANCE OF 58.65 FEET TO A POINT, THENCE N. 89' 00' 00" E. A DISTANCE OF 58.65 FEET TO A POINT, SHOW OF THE SEGNAMING OF THE CENTERLINE OF A 12' ACCESS EASEMENT, THENCE LANGE THE MOSTOR THE WORTH LINE OF THIM HICKORY ROAD ALONG THE CENTERINE OF A 12' ACCESS EASEMENT, THENCE C. 10' 40' 22" W. A DISTANCE OF 28.02 FEET TO A POINT, SAID POINT THENCE N. 10' 40' 22" W. A DISTANCE OF 28.03 FEET TO A POINT, SAID POINT THENCE N. 10' 40' 22" W. A DISTANCE OF 28.02 FEET TO A POINT, SAID POINT THENCE N. 10' 40' 22" W. A DISTANCE OF 28.02 FEET TO A POINT, SAID POINT THENCE N. 10' 40' 22" W. A DISTANCE OF 28.02 FEET TO A POINT, SAID POINT THENCE N. 10' 40' 22" W. A DISTANCE OF 28.02 FEET TO A POINT, SAID POINT THENCE N. 10' 40' 22" W. A DISTANCE OF 18.00 FEET TO A POINT, SAID POINT THENCE N. 10' 40' 22" W. A DISTANCE OF 18.00 FEET TO A POINT, SAID POINT THENCE N. 10' 40' 22" W. A DISTANCE OF 18.00 FEET TO A POINT, SAID POINT THENCE N. 10' 40' 22" W. A DISTANCE OF 18.00 FEET TO A POINT, SAID POINT THENCE N. 10' 40' 22" W. A DISTANCE OF 18.00 FEET TO A POINT, SAID POINT THENCE N. 10' 40' 22" W. A DISTANCE OF 18.00 FEET TO A POINT, THENCE N. 10' 40' 22" W. A DISTANCE OF 18.00 FEET TO A POINT, THENCE N. 10' 40' 22" W. A DISTANCE OF 18.00 FEET TO A POINT, THENCE N. 10'

# ACCESS & UTILITY EASEMENT

18" ACCESS EASEMENT

COMMENDING AT THE POINT OF INTERSECTION OF THE NORTH LINE OF THEN HORORY ROAD AND THE EAST LINE OF SHADY GROVE ROAD; THENCE N 88" 11" 28" 5. A DISTANCE OF 37.27 FEET TO THE POINT OF CURYATURE OF THE NORTH LINE OF THE NORTH LINE OF THE HORORY ROAD, THENCE ALONG HENCE HENCE

COMMENCING AT THE MORTHWEST CORNUER OF THE FORE DESCRIBED 13'N19'
LEASE AREA, THENCE ALONG THE WESTERN LINE OF A 5' UTILITY EASTMENT
N 10' 40' 2" W A DISTANCE OF 2.50 FEET TO A POWN, SAID POINT BEING
THE BEGINNING AND THE CENTERLINE OF A 5' UTILITY EASTMENT; THENCE
NOW THE CENTERLINE OF SAID EASTMENT N 79' 19' 31" E A DISTANCE
OF 36 4.9 FEET TO A POWN; THENCE N 09' 55' 30" W A DISTANCE OF
215.88 FEET TO A POWN; THENCE N 50' 555! E, A DISTANCE OF
215.88 FEET TO A POWN; THENCE N 50' 13' 56' W A DISTANCE OF 38' 14' FEET TO
A POWN; TAND POWN EBONG THE END OF THE CENTERINE OF A 5' UTILITY
EASEMENT, CONTAINING 2.356 S.F. OF LAND MORE OR LESS.

#### COAX EASEMENT

COMMENCING AT THE SOUTHEAST CORNER OF THE FORE DESCRIBED 13'x19'
LEASE AREA; THENCE ALONG THE EAST LINE OF SAID LEASE AREA IN 10'
22" W, A DISTAINCE OF B.OD FEET TO A POINT, SAID POINT BEING THE
DEGINNING AND THE CENTERLINE OF A 5' COAX EASTMENT, THENCE ALONG
THE CENTERLINE OF SAID 5' COAX EASTMENT IN 79' 19' 33" E, A DISTAINCE
OF SAID 5' COAX EASTMENT, SAID POINT BEING THE FOR OF THE CENTRELINE
OF SAID 5' COAX EASTMENT, AND CONTAINING 60 S.F. OF LAND MORE OR
LISS

### PROJECT INFORMATION

SITE NAME: DEEP RUN HIGH SITE NUMBER: RI80XC001 SITE ADDRESS: 4801 TWIN HICKORY RD GLEN ALLEN, VA 23059 OWNERS NAME: HENRICO COUNTY SCHOOL BOARD

HENRICO, VA 23223

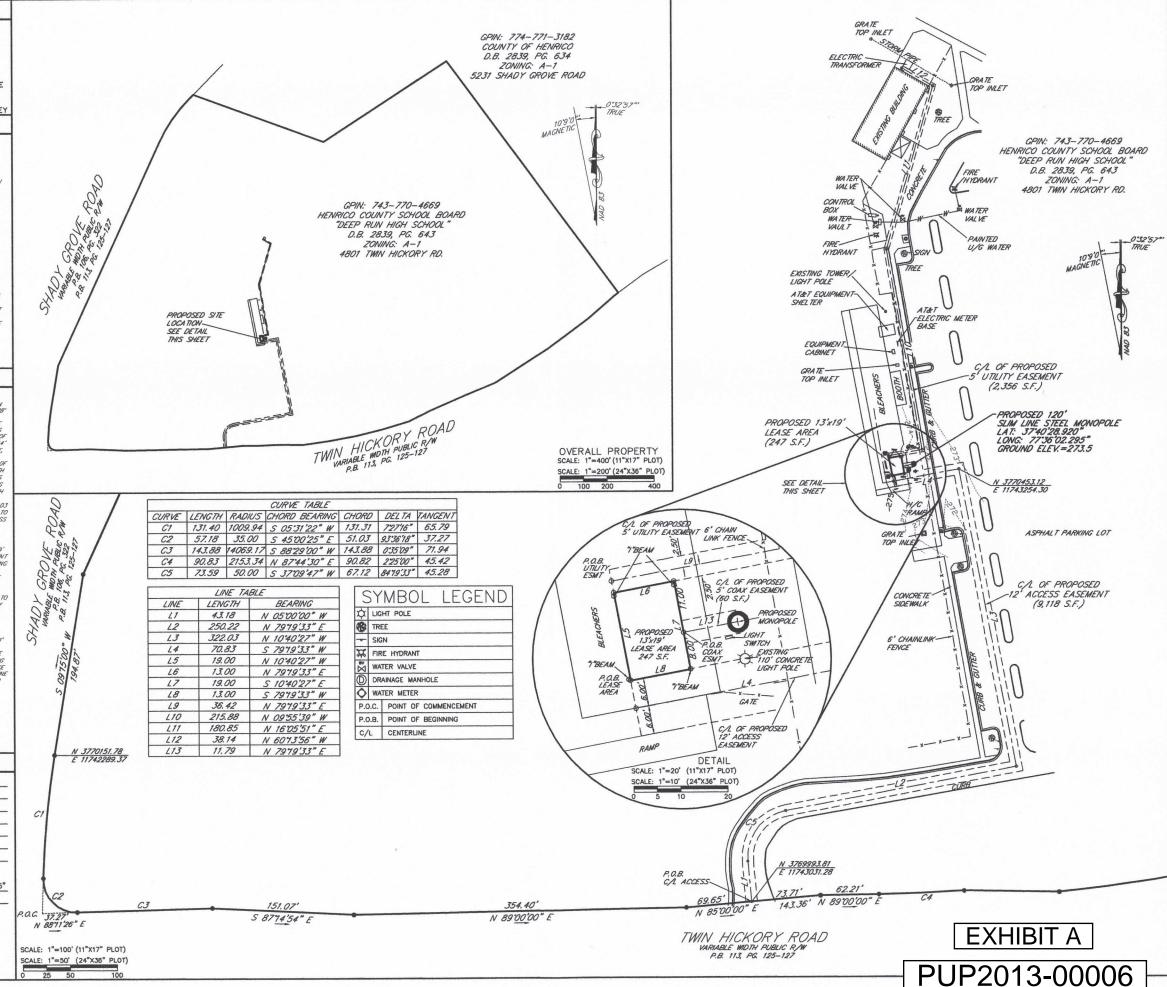
P.O. BOX 23120

TOWER CENTROID LATITUDE: N 37'40'28.920" LONGITUDE: W 77'36'02.295" 273.5±

GROUND ELEVATION:

LATITUDE AND LONGITUDE SHOWN HEREON ARE BASED ON NADB3 AND ELEVATIONS NAVD 1988.

A ROUNDARY SURVEY WAS NOT PERFORMED FOR THE PREPARATION A BOUNDARY SOVET WAS NOT PERTOYMED FOR THE PREPARATION OF THIS PLAT, PROPERTY LINES AS SHOWN WERE COMPIELD FROM TAX MAPS, DEEDS & PLATS OF RECORD. HALDER SURVEYS, P.C. MAKES NO WARRANTY ETHER EXPRESSED OR IMPLED AS TO THE ACCURACY OF THE BOUNDARIES AS SHOWN ON THIS MAP.



CONSULTANT:

DRAWN BY:

APPROVED BY

DATE

HALDER

SURVEYS

10400 CHESTER ROAD

CHESTER, VA. 23831 PHONE: 804-748-8707

RLL

RLL

REVISIONS

SITE NUMBER:

**RI80XC001** 

SITE NAME:

**DEEP RUN HIGH** 

SITE ADDRESS:

**4801 TWIN HICKORY RD** 

GLEN ALLEN, VA 23059

RONALD L. LANG

Lic. No. 003004

**SURVEY PLAT** 

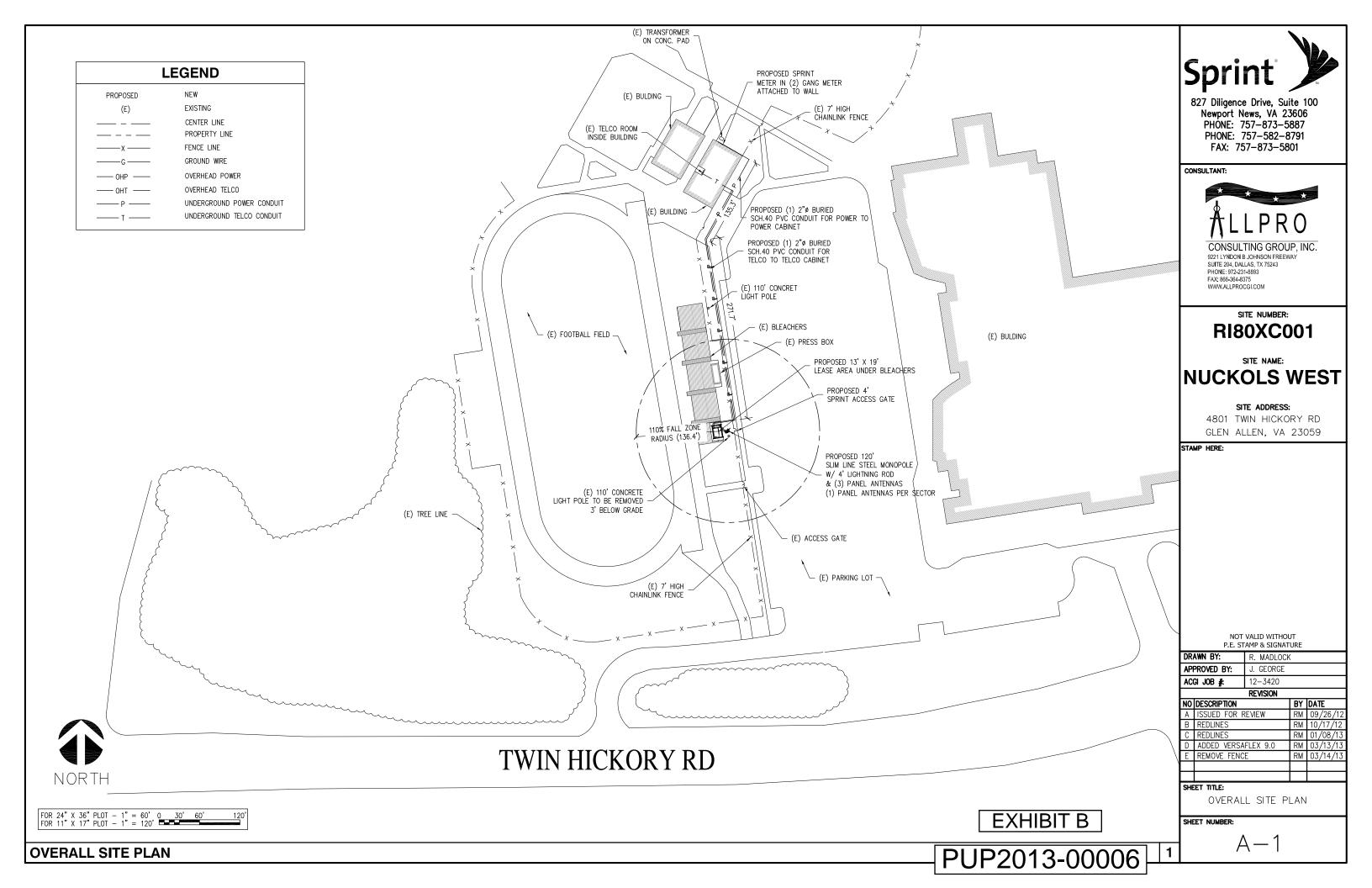
SP-1

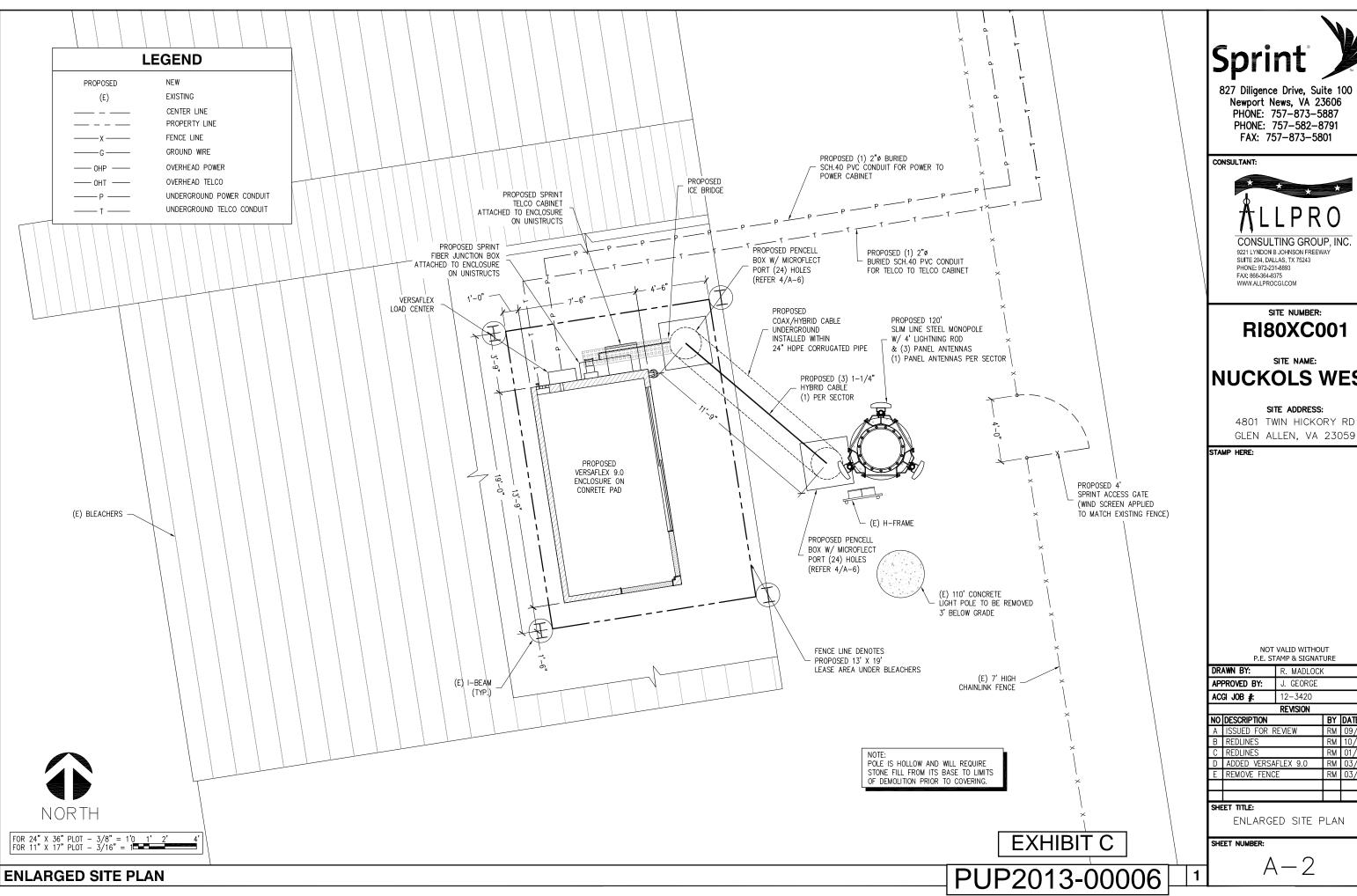
DATE: OCTOBER 2, 2012

SHEET NUMBER:

10-2-2012 AND SURVEYO

DESCRIPTION





Newport News, VA 23606 PHONE: 757-873-5887 PHONE: 757-582-8791



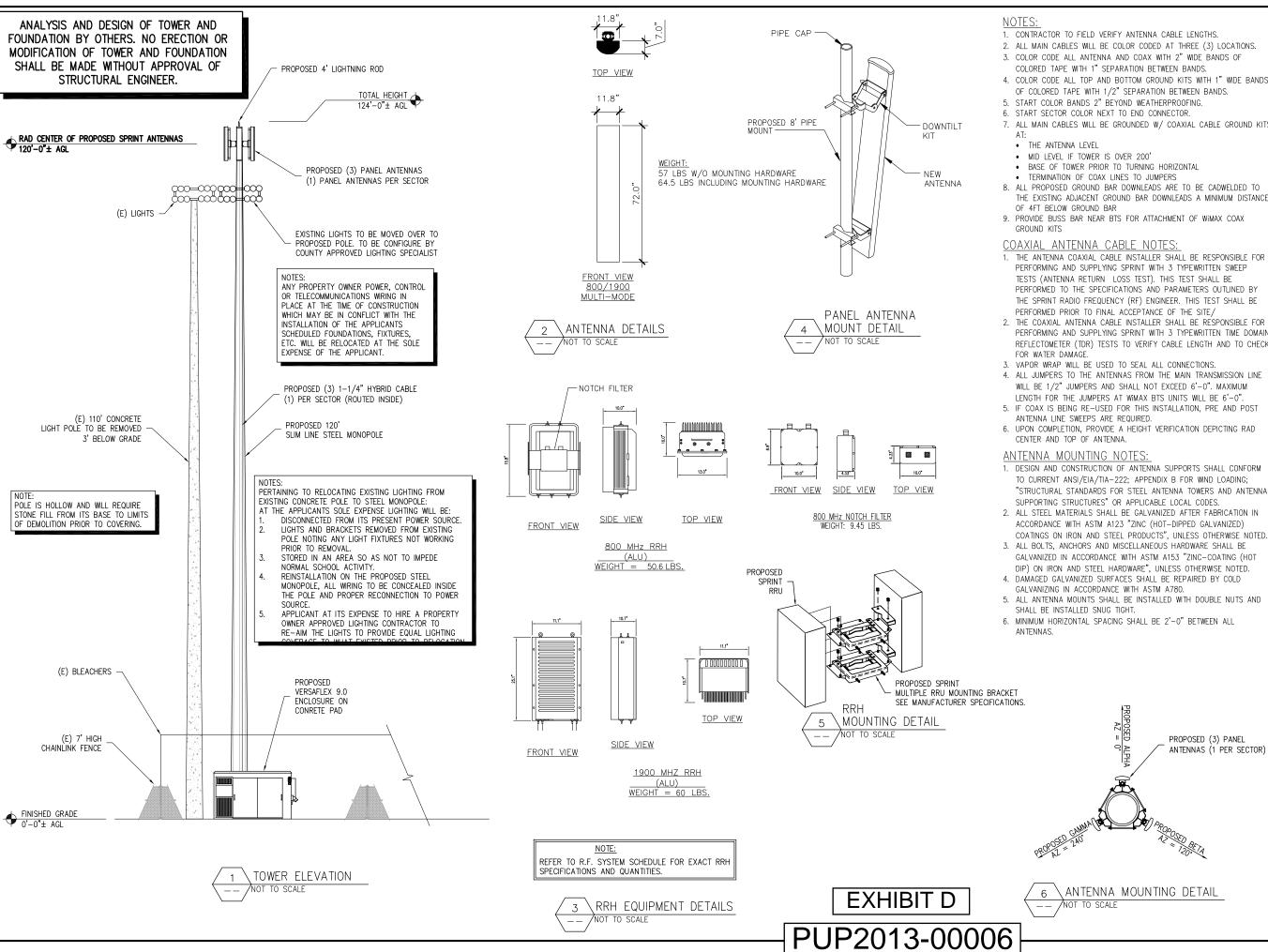
# **RI80XC001**

# **NUCKOLS WEST**

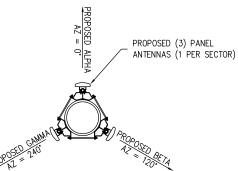
GLEN ALLEN, VA 23059

	REVISION
ACGI JOB #:	12-3420
APPROVED BY:	J. GEORGE
DRAWN BY:	R. MADLOCK

ı	2	DESCRIPTION	BA	DAIL
ı	Α	ISSUED FOR REVIEW	RM	09/26/12
ı	в	REDLINES	RM	10/17/12
ı	$\circ$	REDLINES	RM	01/08/13
ı	D	ADDED VERSAFLEX 9.0	RM	03/13/13
ı	ш	REMOVE FENCE	RM	03/14/13
ı				
ı				



- 2. ALL MAIN CABLES WILL BE COLOR CODED AT THREE (3) LOCATIONS.
- 3. COLOR CODE ALL ANTENNA AND COAX WITH 2" WIDE BANDS OF
- 4. COLOR CODE ALL TOP AND BOTTOM GROUND KITS WITH 1" WIDE BANDS OF COLORED TAPE WITH 1/2" SEPARATION BETWEEN BANDS.
- 7. ALL MAIN CABLES WILL BE GROUNDED W/ COAXIAL CABLE GROUND KITS
- 8. ALL PROPOSED GROUND BAR DOWNLEADS ARE TO BE CADWELDED TO THE EXISTING ADJACENT GROUND BAR DOWNLEADS A MINIMUM DISTANCE
- 9. PROVIDE BUSS BAR NEAR BTS FOR ATTACHMENT OF WIMAX COAX
- THE ANTENNA COAXIAL CABLE INSTALLER SHALL BE RESPONSIBLE FOR PERFORMING AND SUPPLYING SPRINT WITH 3 TYPEWRITTEN SWEEP TESTS (ANTENNA RETURN LOSS TEST). THIS TEST SHALL BE PERFORMED TO THE SPECIFICATIONS AND PARAMETERS OUTLINED BY THE SPRINT RADIO FREQUENCY (RF) ENGINEER. THIS TEST SHALL BE
- PERFORMING AND SUPPLYING SPRINT WITH 3 TYPEWRITTEN TIME DOMAIN REFLECTOMETER (TDR) TESTS TO VERIFY CABLE LENGTH AND TO CHECK
- 4. ALL JUMPERS TO THE ANTENNAS FROM THE MAIN TRANSMISSION LINE WILL BE 1/2" JUMPERS AND SHALL NOT EXCEED 6'-0". MAXIMUM
- 5. IF COAX IS BEING RE-USED FOR THIS INSTALLATION, PRE AND POST
- 6. UPON COMPLETION, PROVIDE A HEIGHT VERIFICATION DEPICTING RAD
- TO CURRENT ANSI/EIA/TIA-222; APPENDIX B FOR WIND LOADING; "STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA
- 2. ALL STEEL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT-DIPPED GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS". UNLESS OTHERWISE NOTED
- GALVANIZED IN ACCORDANCE WITH ASTM A153 "ZINC-COATING (HOT DIP) ON IRON AND STEEL HARDWARE", UNLESS OTHERWISE NOTED.
- 4. DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED BY COLD
- 6. MINIMUM HORIZONTAL SPACING SHALL BE 2'-0" BETWEEN ALL



ANTENNA MOUNTING DETAIL



827 Diligence Drive, Suite 100 Newport News, VA 23606 PHONE: 757-873-5887 PHONE: 757-582-8791 FAX: 757-873-5801

#### CONSULTANT:



9221 LYNDON B JOHNSON FREEWAY SUITE 204, DALLAS, TX 75243 PHONE: 972-231-8893 FAX: 866-364-8375 WWW.ALLPROCGI.COM

SITE NUMBER:

RI80XC001

SITE NAME: **NUCKOLS WEST** 

SITE ADDRESS:

4801 TWIN HICKORY RD GLEN ALLEN, VA 23059

STAMP HERE:

NOT VALID WITHOUT P.E. STAMP & SIGNATURE R. MADLOCK

J. GEORGE

AC	GI JOB #:   12-3420		
	REVISION		
NO	DESCRIPTION		DATE
Α	ISSUED FOR REVIEW	RM	09/26/1
В	REDLINES	RM	10/17/12
С	REDLINES	RM	01/08/13
D	ADDED VERSAFLEX 9.0	RM	03/13/13
E	REMOVE FENCE	RM	03/14/13
	_		

### SHEET TITLE:

DRAWN BY:

APPROVED BY:

ELEVATION AND ANTENNA DETAILS

SHEET NUMBER:

VersaFlex (9 Bay)

Page 1 of 1

POWERWAVE VersaFlex

# VersaFlex (9 Bay)

# VersaFlex<sup>™</sup> Enclosure Solutions

SPECIFICATIONS			
Length ft(m)	13'9" (4.19)		
Width ft(m)	7'6" (2.29)		
Height in(m)	8'6: (2.59)		
Weight lbs(kg)	4750 (2155)		
HVAC	2x5 Ton		
Radio Frames	9		
Minimum Lease Required	13'9"L x 7'6"W = 103.1 Sq. Ft (4.19L	13'9"L x 7'6"W = 103.1 Sq. Ft (4.19L x 2.29W = 9.60m2)	

Note: Weights and lengths are approximate measurements and will vary based on customer requirements.

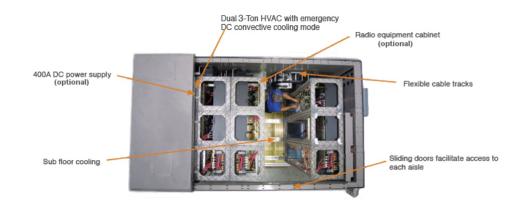
All specifications are subject to change without notice. Please contact your Powerwave representative for complete performance data.



VersaFlex (9 Bay) Enclosure

### Key Features/Benefits:

- Utilizes approximately half the space of traditional Shelters.
- Standard weighs only 4,000 lbs (1814 kg) vs. the 30,000 (13608 kg) to 50,000 lbs (22680 kg) of traditional shelters.
- Internal sub-floor HVAC system that eliminates hot spots.
- Sliding door design reduces lease area requirements by eliminating door swing.
- Sliding equipment racks that reduce floor space required and utilizes a rolling cable tray



D031-08439 Rev. D 07/08 Updated: Jul 21 2010 6:12PM

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All specifications are subject to change without notice. Please contact your Powerwave representative for complete performance data.

