

## New Tower (“NT”) Submission Packet

### FCC FORM 620

#### Introduction

The **NT Submission Packet** is to be completed by or on behalf of Applicants to construct new antenna support structures by or for the use of licensees of the Federal Communications Commission (“FCC”). **The Packet (including Form 620 and attachments) is to be submitted to the State Historic Preservation Office (“SHPO”) or to the Tribal Historic Preservation Office (“THPO”), as appropriate, before any construction or other installation activities on the site begin. Failure to provide the Submission Packet and complete the review process under Section 106 of the National Historic Preservation Act (“NHPA”)<sup>1</sup> prior to beginning construction may violate Section 110(k) of the NHPA and the Commission’s rules.**

The instructions below should be read in conjunction with, and not as a substitute for, the “Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission,” dated September 2004, (“Nationwide Agreement”) and the relevant rules of the FCC (47 C.F.R. §§ 1.1301-1.1319) and the Advisory Council on Historic Preservation (“ACHP”) (36 C.F.R. Part 800).<sup>2</sup>

#### Exclusions and Scope of Use

**The NT Submission Packet should not be submitted for undertakings that are excluded from Section 106 Review.** The categories of new tower construction that are excluded from historic preservation review under Section 106 of the NHPA are described in Section III of the Nationwide Agreement.

Where an undertaking is to be completed but no submission will be made to a SHPO or THPO due to the applicability of one or more exclusions, the Applicant should retain in its files documentation of the basis for each exclusion should a question arise as to the Applicant’s compliance with Section 106.

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<sup>1</sup> 16 U.S.C. § 470f.

<sup>2</sup> Section II.A.9. of the Nationwide Agreement defines a “historic property” as: “Any prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in, the National Register maintained by the Secretary of the Interior. This term includes artifacts, records, and remains that are related to and located within such properties. The term includes properties of traditional religious and cultural importance to an Indian tribe or Native Hawaiian Organization that meet the National Register criteria.”

**NT SUBMISSION PACKET – FCC FORM 620**

Approved by OMB  
3060-1039  
Estimated Time Per Response:  
.5 to 10 hours

**The NT Submission Packet is to be used only for the construction of new antenna support structures.** Antenna collocations that are subject to Section 106 review should be submitted using the Collocation (“CO”) Submission Packet (FCC Form 621).

**General Instructions: NT Submission Packet**

Fill out the answers to Questions 1-5 on Form 620 and provide the requested attachments. Attachments should be numbered and provided in the order described below.

For ease of processing, provide the Applicant’s Name, Applicant’s Project Name, and Applicant’s Project Number in the lower right hand corner of each page of Form 620 and attachments.<sup>3</sup>

**1. Applicant Information**

Full Legal Name of Applicant: New York SMSA Limited Partnership d/b/a Verizon Wireless

Name and Title of Contact Person: George Slocum

Address of Contact Person (including Zip Code):  
141 Industrial Parkway, Branchburg NJ 08876

Phone: (908) 256-7000 Fax: (908)

E-mail address: George.Slocum@VerizonWireless.com

**2. Applicant's Consultant Information**

Full Legal Name of Applicant's Section 106 Consulting Firm:

E 2 Project Management LLC

Name of Principal Investigator: Donna Andrews

Title of Principal Investigator: Senior Architectural Historian

Investigator’s Address: 1220 Route 46 West, Suite 222

<sup>3</sup> Some attachments may contain photos or maps on which this information can not be provided.

Applicant’s Name: Verizon Wireless  
Project Name: Jefferson 3  
Project Number: \_\_\_\_\_

NT SUBMISSION PACKET – FCC FORM 620

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3060-1039  
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.5 to 10 hours

City: Parsippany State NJ Zip Code 07054

Phone: (973) 299-5200 Fax: (973) 299-5059

E-mail Address: donna.andrews@e2pm.com

Does the Principal Investigator satisfy the Secretary of the Interior’s Professional Qualification Standards?<sup>4</sup> YES NO.

Areas in which the Principal Investigator meets the Secretary of the Interior’s Professional Qualification Standards: History, Architectural History

Other “Secretary of the Interior qualified” staff who worked on the Submission Packet (provide name(s) as well as well as the area(s) in which they are qualified):  
Barry Brady - Archaeology

**3. Site Information**

a. Street Address of Site: Berkshire Trail

City or Township: Jefferson Township

County / Parish: Morris County State: NJ Zip Code: 07885

b. Nearest Cross Roads: Berkshire Trail / Berkshire Hill Road

c. NAD 83 Latitude/Longitude coordinates (to tenth of a second):

N 40 ° 57 ’ 00 .8”; W 74 ° 34 ’ 07 .4”

<sup>4</sup> The Professional Qualification Standards are available on the cultural resources webpage of the National Park Service, Department of the Interior: <[http://www.cr.nps.gov/local-law/arch\\_stnds\\_9.htm](http://www.cr.nps.gov/local-law/arch_stnds_9.htm)>. The Nationwide Agreement requires use of Secretary-qualified professionals for identification and evaluation of historic properties within the APE for direct effects, and for assessment of effects. The Nationwide Agreement encourages, but does not require, use of Secretary-qualified professionals to identify historic properties within the APE for indirect effects. See Nationwide Agreement, §§ VI.D.1.d, VI.D.1.e, VI.D.2.b, VI.E.5.

Applicant’s Name: Verizon Wireless  
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d. Proposed tower height above ground level:<sup>5</sup> 150 feet; 45.72 meters

e. Tower type:

guyed lattice tower  self-supporting lattice  monopole

other (briefly describe tower) \_\_\_\_\_

4. Project Status:<sup>6</sup>

a.  Construction not yet commenced;

b.  Construction commenced on [date] \_\_\_\_\_; or,

c.  Construction commenced on [date] \_\_\_\_\_ and was completed on [date] \_\_\_\_\_.

5. Applicant's Determination of Effect:

a. Direct Effects (check one):

i.  No Historic Properties in Area of Potential Effects ("APE") for direct effects;

ii.  "No effect" on Historic Properties in APE for direct effects;

iii.  "No adverse effect" on Historic Properties in APE for direct effects;

iv.  "Adverse effect" on one or more Historic Properties in APE for direct effects.

b. Visual Effects (check one):

i.  No Historic Properties in Area of Potential Effects ("APE") for visual effects;

ii.  "No effect" on Historic Properties in APE for visual effects;

iii.  "No adverse effect" on Historic Properties in APE for visual effects;

iv.  "Adverse effect" on one or more Historic Properties in APE for visual effects.

<sup>5</sup> Include top-mounted attachments such as lightning rods.

<sup>6</sup> Failure to provide the Submission Packet and complete the review process under Section 106 of the NHPA prior to beginning construction may violate Section 110(k) of the NHPA and the Commission's rules. See Section X of the Nationwide Agreement.

Applicant's Name: Verizon Wireless

Project Name: Jefferson 3

Project Number: \_\_\_\_\_

**NT SUBMISSION PACKET – FCC FORM 620**

Approved by OMB  
3060-1039  
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.5 to 10 hours

**Certification and Signature**

I certify that all representations on this FCC Form 620 and the accompanying attachments are true, correct, and complete.



1/22/08

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Donna Andrews

Printed Name

Senior Architectural Historian

Title

**WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, Section 1001) AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, Section 312(a)(1) AND/ OR FORFEITURE (U.S. Code, Title 47, Section 503).**

Applicant's Name: Verizon Wireless  
Project Name: Jefferson 3  
Project Number: \_\_\_\_\_

**Attachment 1. Resumes/Vitae**

*Provide a current copy of the résumé or curriculum vitae for the Principal Investigator and any researcher or other person who contributed to, reviewed, or provided significant input into the research, analysis, writing or conclusions presented in the Submission Packet for this proposed facility.*

Please see attached resumes.

Applicant's Name: Verizon Wireless  
Project Name: Jefferson 3  
Project Number: \_\_\_\_\_

**Senior Architectural Historian**

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EDUCATION/SPECIAL TRAINING

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*University of Pennsylvania, Philadelphia PA*  
**M.S. Historic Preservation, 2001**

*Lycoming College, Williamsport PA*  
**B.A. History, 1999**

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QUALIFICATIONS

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Ms. Andrews has more than five years experience completing federal, state, and local regulatory reviews for public and private undertakings. Her experience includes historic research and writing, cultural resource surveys and effects assessments, the resolution of adverse effects through Memorandum of Agreement, preservation planning, public testimony and education, architectural surveys, architectural analysis, historic structure reports, materials condition assessments, and HABS/HAER documentation. Ms. Andrews specializes in Section 106 reviews of wireless telecommunications projects and is familiar with the regulations governing such projects under 36 CFR 800, the 2001 "Nationwide Programmatic Agreement for the Collocation of Wireless Antennas," and the 2005 "Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission." Ms. Andrews has worked on wireless telecommunications projects in six states, including New York, New Jersey, Pennsylvania, Delaware, Maryland, and Iowa.

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RELATED EXPERIENCE

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**Richard Grubb & Associates, Inc., NJ**

Ms. Andrews completed federal, state, and local regulatory reviews for public and private undertakings specializing in the assessment of visual effects as a result of the construction of wireless telecommunication facilities. Ms. Andrews also assisted on a major survey project for which she provided training for interns and junior staff, surveyed properties in the field, entered survey information into a database, and provided GIS mapping and information.

**The George Washington University, DC**

Ms. Andrews served as a graduate teaching assistant in the American Studies program.

**John Milner Architects, PA**

Ms. Andrews completed a Historic Structure Report for the Shreiner Farm, Lancaster PA.

**Goldman Properties, Ltd., PA**

Ms. Andrews worked in the Philadelphia office of Goldman Properties, Ltd., conducting research into the history of properties owned and purchased by Goldman Properties, Ltd., managing the façade improvement grant program, assisting with tax credit applications, and managing construction projects.

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LANGUAGES

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- English – native language
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**Senior Archaeologist**

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EDUCATION/SPECIAL TRAINING

*University of Pennsylvania, Philadelphia, PA*  
**Ph.D. in Classical Archaeology, 1977**

*Fairfield University, Fairfield, CT*  
**B.A. in Classics, 1970**

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QUALIFICATIONS

Dr. Brady has over thirty-four years of experience in the cultural resource management field. His experience includes all phases of archaeological fieldwork; cleaning, processing, and cataloging artifacts in the laboratory; historic research; completing cultural resource surveys; and assessing effects. Dr. Brady also spent nearly 24 years of his career as a Planner I at the New Jersey Pinelands Commission where he was responsible for establishing and operating all phases of the Commission's cultural resource program for the 1.1 million acre Pinelands National Reserve. Dr. Brady has a working knowledge of Section 106, State and local historic preservation/archaeological survey regulations and extensive experience reviewing such projects.

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RELATED EXPERIENCE

**Richard Grubb & Associates, Cranbury, NJ**

Dr. Brady worked as a Senior Archaeologist from March 2006 through January 2007. He researched and authored a series of Phase IA cultural resource survey reports for purposes of compliance with Section 106 of the National Historic Preservation Act and applicable state regulations

**New Jersey Pinelands Commission, New Lisbon, NJ      10/81-5/05**

Dr. Brady worked as a Planner for the New Jersey Pinelands Commission from October 1981 until May of 2005. He was primarily responsible for the establishment of the Commission's cultural resources protection program. He wrote a comprehensive cultural resource management plan for the identification, evaluation and treatment of cultural resources in the Pinelands; the plan included detailed guidelines for the conduct of cultural resource surveys. Dr. Brady reviewed development applications including the proposed project's impact on archaeological properties. Dr. Brady worked with applicants to minimize adverse impacts.

**City of Paterson, N.J**

Dr. Brady worked as a Principal Archaeologist and Project Director from December 1978 until October 1981 for the City of Paterson, New Jersey. He began in 1978 as a staff archaeologist, responsible for historical research, design and implementation of a program of excavations, the supervision of lab procedures and preparation of reports. Later Dr. Brady was promoted to the Project Director and bore the responsibility for directing the archaeology team in all aspects of research and compliance with state and federal preservation law in the Great Falls/S.U.M. National Historic Landmark District, a 119 acre, 19<sup>th</sup> century mill district.

- 
- English – native language
-

## **Attachment 2. Additional Site Information**

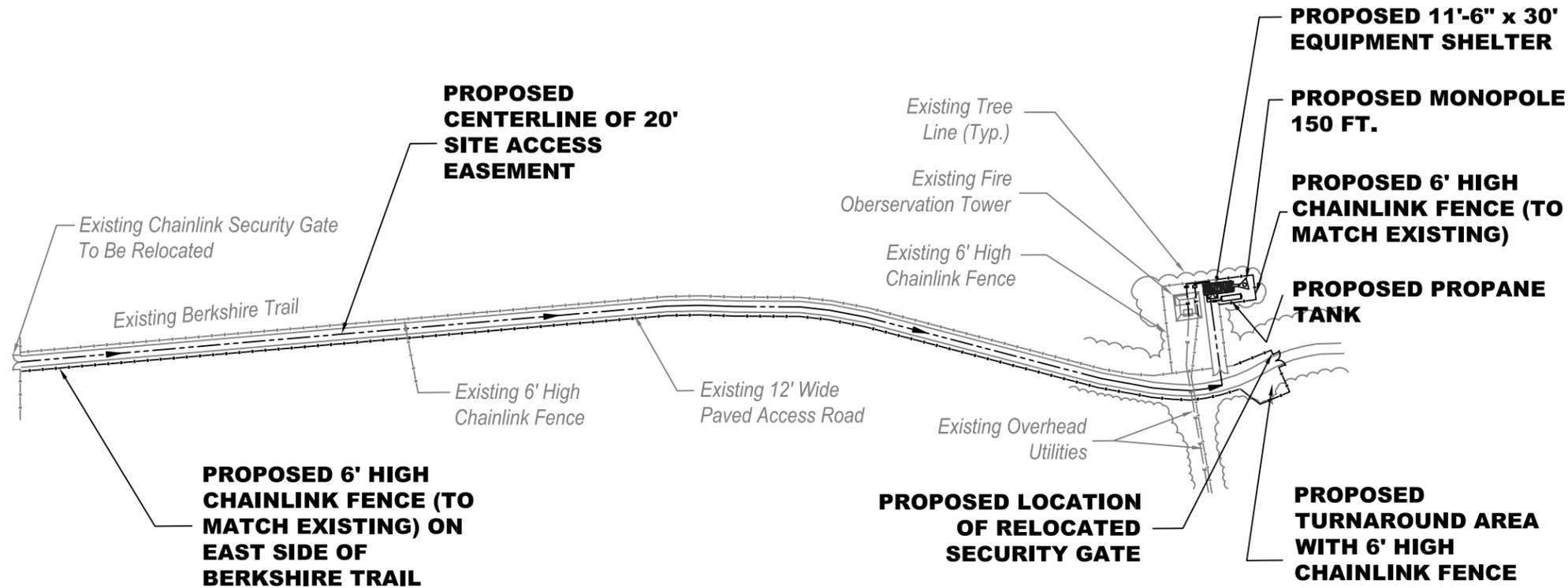
*Describe any additional structures, access roads, utility lines, fences, easements, or other construction planned for the site in conjunction with the proposed facility.*

The proposed installation includes an approximately 24-foot by 40-foot equipment area to be surrounded by a chainlink fence (to match the existing) containing an 11.5-foot by 30-foot equipment shelter and 150-foot tall monopole. Utilities will be routed from the existing utility pole near the site. Access will be provided via an existing paved access drive and parking area. Please refer to the attached lease exhibits.

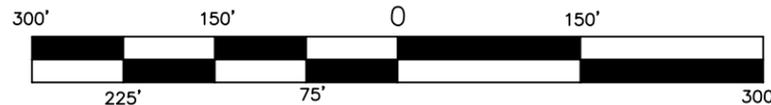
The subject property is an active military installation. No photographs were permitted on the subject property.

A Section 106 Consultation for a proposed Omnipoint Communications monopole located approximately 125 feet southeast of the proposed monopole was submitted to the New Jersey Historic Preservation Office (HPO) in June 2004 (Richard Grubb & Associates, Inc.; MOR AA 534). HPO determined that the proposed monopole would have No Adverse Effect on any Historic Properties on July 1, 2004 (HPO-F2004-335).

Applicant's Name: Verizon Wireless  
Project Name: Jefferson 3  
Project Number: \_\_\_\_\_



1 SITE PLAN  
LE-1 SCALE: 1"=150'



- GENERAL NOTES:**
- EXHIBIT "A" AS SUBMITTED IS A CONCEPTUAL REPRESENTATION OF THE LEASE AGREEMENT ONLY. FINAL CONSTRUCTION DRAWINGS MAY VARY TO COMPLY WITH APPLICABLE BUILDING CODES AND ZONING APPROVALS AND WILL SUPERSEDE EXHIBIT "A".
  - TRUE NORTH DETERMINATION, GROUND (AMSL) ELEVATION AND LATITUDE AND LONGITUDE COORDINATES ARE BASED ON USGS MAP INFORMATION.
  - THE LOCATION OF LESSEE'S PROPOSED UTILITIES ARE SUBJECT TO THE REVIEW AND APPROVAL OF THE RESPECTIVE UTILITY COMPANIES AND MAY NEED TO BE RELOCATED.
  - DO NOT SCALE THIS EXHIBIT UNLESS OTHERWISE NOTED.

- SITE INFORMATION:**
- PROPERTY OWNER/LESSOR: U.S. GOVERNMENT / PICATINNY ARSENAL DOVER, NJ 07806
  - CONTACT: MR. JACK LYONS (973)-724-5991
  - LESSEE: NEW YORK SMSA LIMITED PARTNERSHIP d/b/a VERIZON WIRELESS 141 INDUSTRIAL PARKWAY BRANCHBURG, NJ 08876
  - SITE ADDRESS: BERKSHIRE TRAIL PICATINNY ARSENAL DOVER, NEW JERSEY 07885
  - COORDINATES: LATITUDE: N 40° 57' 0.32" LONGITUDE: W 74° 34' 5.99" DATUM: NAD 83
  - GROUND ELEVATION: 108.4±' AMSL
  - DATUM: NAVD 88

INFORMATION SHOWN ON THIS DRAWING IS BASED ON LIMITED FIELD MEASUREMENTS TAKEN AND TAX MAPS.

- LEGEND:**
- Existing Conditions
  - PROPOSED CONDITIONS
  - PROPERTY LINE
  - PROPOSED ELECTRICAL ROUTING
  - PROPOSED TELEPHONE ROUTING

SCHEDULE OF REVISIONS			
REV. NO.	DATE	DESCRIPTION OF CHANGES	CHK. BY
B	10/31/07	REVISED PER COMMENTS & ISSUED AS LEASE EXHIBIT	E.R.B. J.S.
A	10/9/07	PRELIMINARY LEASE EXHIBIT	E.R.B. JS

N.J. ENGINEERING CERTIFICATE OF AUTHORIZATION No 24GA28118200

**E2PROJECT MANAGEMENT LLC**  
 COMPANY PLAZA  
 1200 ROUTE 48 WEST, SUITE 200  
 HANOVER, N.J. 07941  
 PHONE: (973) 850-6200  
 FAX: (973) 850-0959 www.e2pm.com

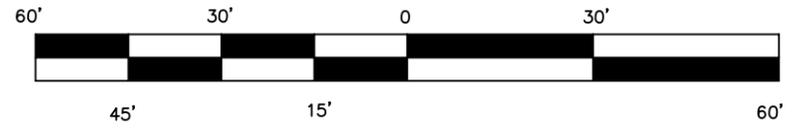
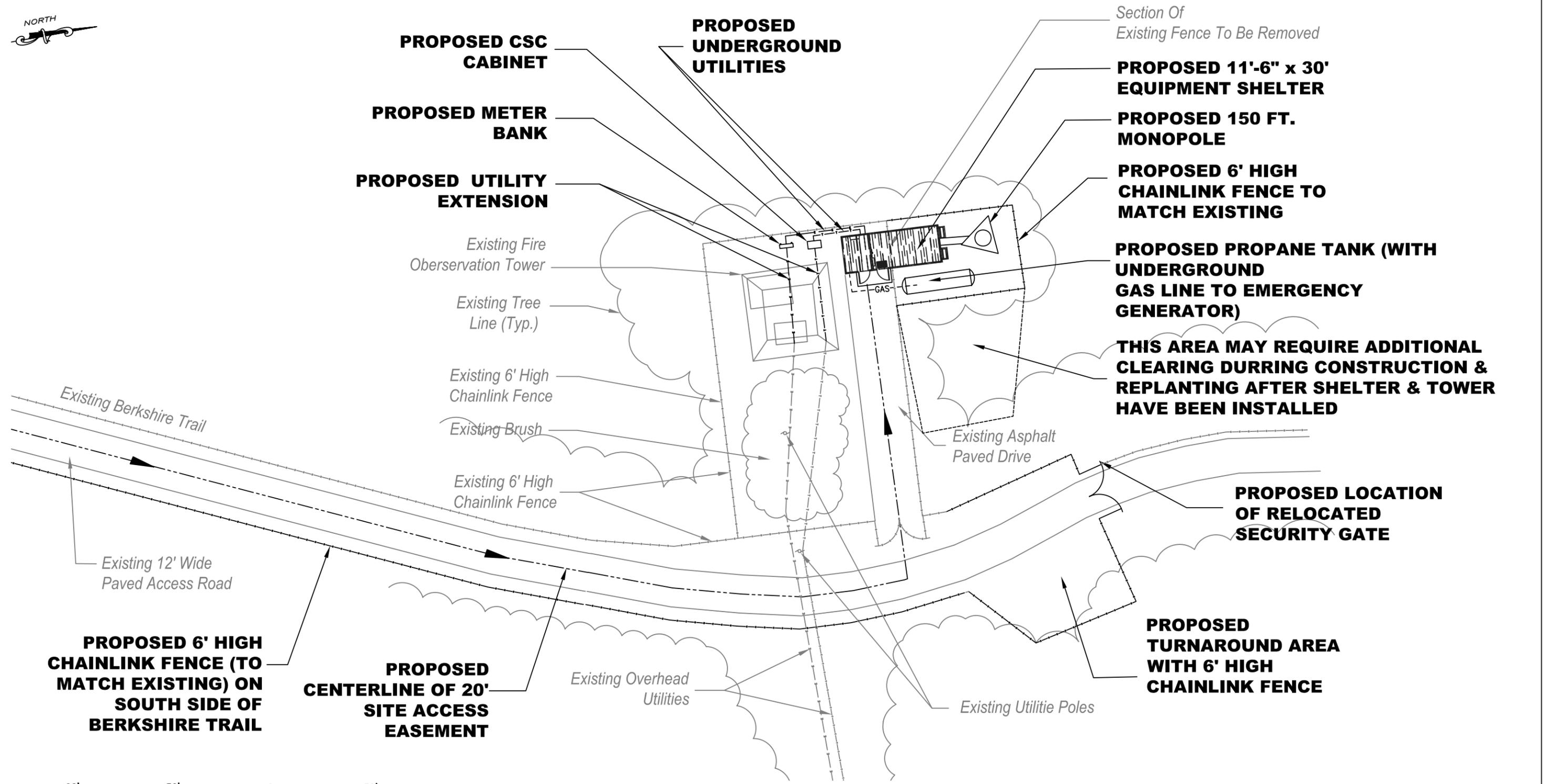
THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THEREOF APPLICABLE. THIS DRAWING AND THE DESIGN FEATURES OR CONSTRUCTION DISCLOSED ARE PROPRIETARY TO E2 PROJECT MANAGEMENT LLC AND SHALL NOT BE REPRODUCED, ALTERED OR COPIED WITHOUT WRITTEN PERMISSION. SHALL NOT BE USED IN ANY MANNER DETRIMENTAL TO ITS INTEREST AND SHALL BE RETURNED UPON REQUEST.

NEW YORK SMSA  
 LIMITED PARTNERSHIP  
 d/b/a **verizon wireless**  
 141 INDUSTRIAL PARKWAY  
 BRANCHBURG, NJ 08876

SEARCH AREA NAME:  
JEFFERSON 3

CANDIDATE NAME:  
PICATINNY

EXHIBIT "A"		DRAWING ISSUE STATUS CURRENTLY - A-ISSUED AS A LEASE EXHIBIT B-(SPECIFY)	B
FIRST ISSUE: 10/9/07	DRAWING NO. LE-1	SCALE: AS SHOWN	SHEET NO: 1 OF 3
DRAWN BY: E.R.B.	CHECKED BY: JS	PROJECT #P-07-02-131	PRINT DATE: 10/31/07
DOCUMENT NO. Verizon\NEWARK 28\DWG\LEVREV B			



**1** PARTIAL SITE PLAN  
**LE-2**  
 SCALE: 1"=30'

SCHEDULE OF REVISIONS			
NO.	DESCRIPTION OF CHANGES	CHK. BY	DATE
07	REVISD PER COMMENTS & ISSUED AS LEASE EXHIBIT	E.R.B.	J.S.
07	PRELIMINARY LEASE EXHIBIT	E.R.B.	JS
E	DESCRIPTION OF CHANGES	CHK. BY	

N.J. ENGINEERING CERTIFICATE OF AUTHORIZATION No 24GA28118200

**E2PROJECT MANAGEMENT LLC**  
 COLONY PLAZA  
 1200 ROUTE 40 WEST, SUITE 202  
 PARLIN, N.J. 07654  
 PHONE: (732) 289-8200  
 FAX: (732) 289-8209 www.E2PM.com

THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THEREO APPROPRIATE. THIS DRAWING AND THE DESIGN FEATURES OR CONSTRUCTION DISPLAYED ARE PROPRIETARY TO E2 PROJECT MANAGEMENT LLC AND SHALL NOT BE REPRODUCED, ALTERED OR COPIED WITHOUT WRITTEN PERMISSION. SHALL NOT BE USED IN ANY MANNER DETRIMENTAL TO ITS INTEREST AND SHALL BE RETURNED UPON REQUEST.

NEW YORK SMSA  
 LIMITED PARTNERSHIP  
 d/b/a **verizon wireless**  
 141 INDUSTRIAL PARKWAY  
 BRANCHBURG, NJ 08876

SEARCH AREA NAME:  
 JEFFERSON 3

CANDIDATE NAME:  
 PICATINNY

EXHIBIT A

FIRST ISSUE: 10/9/07  
 DRAWN BY: E.R.B.  
 CHECKED BY: JS

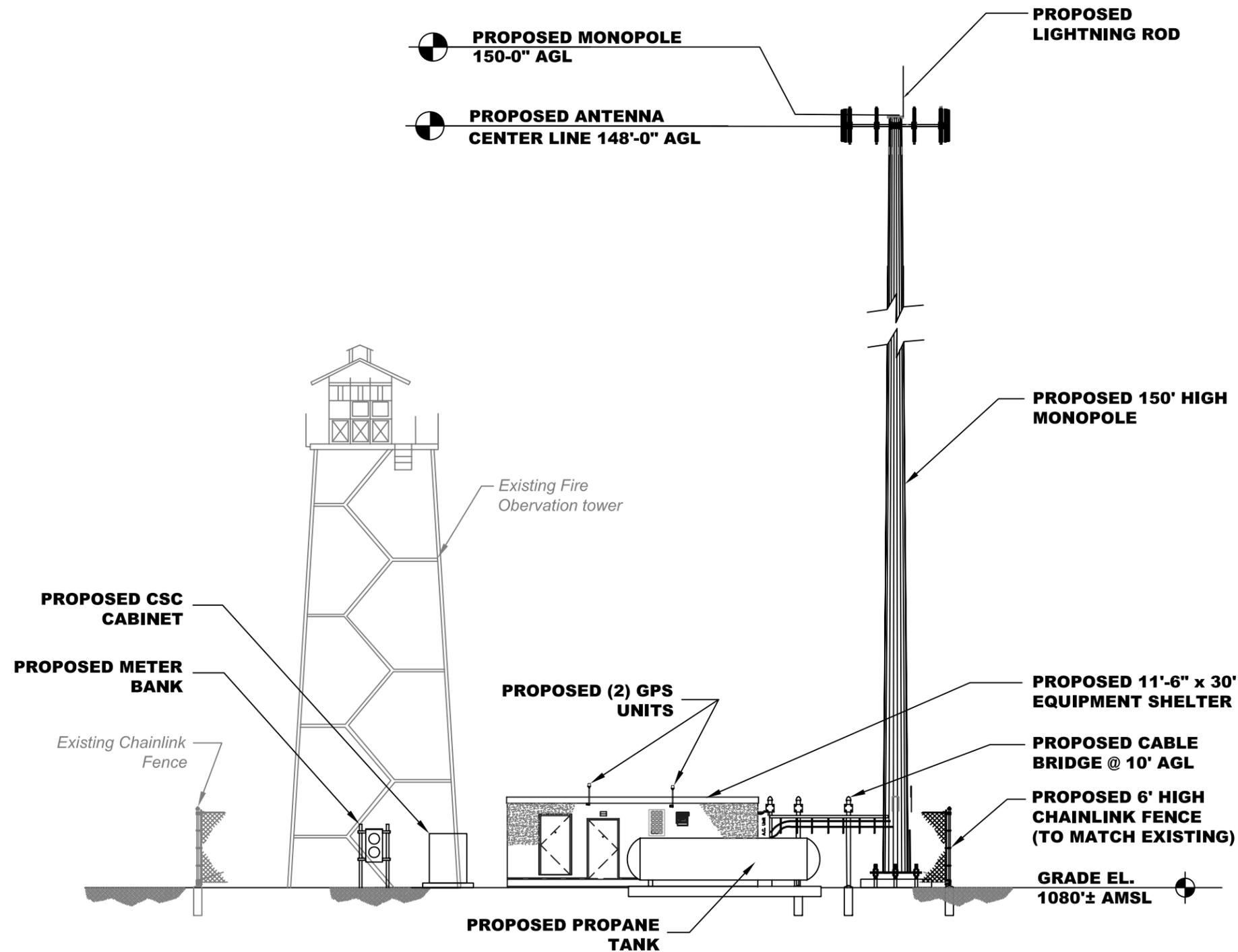
SCALE: AS SHOWN  
 PROJECT #: P-07-02-30

DRAWING ISSUE STATUS CURRENTLY -  
 A-ISSUED AS A LEASE EXHIBIT  
 B-(SPECIFY)

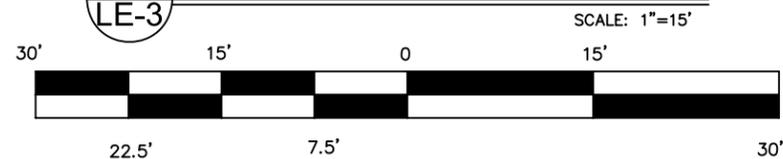
DRAWING NO.  
**LE-2**

SHEET NO: 2 OF 3  
 PRINT DATE: 10/31/07  
 DOCUMENT NO. Verizon\JEFFERSON\DWG\LEV B

**B**



**1** ELEVATION LOOKING WEST  
**LE-3**



SCHEDULE OF REVISIONS		DRWN BY	CHK BY
/07	REVISED PER COMMENTS & ISSUED AS LEASE EXHIBIT	E.R.B.	J.S.
/07	ISSUED AS LEASE EXHIBIT	E.R.B.	JS
E	DESCRIPTION OF CHANGES		

N.J. ENGINEERING CERTIFICATE OF AUTHORIZATION No 24GA28118200

**E2PROJECT MANAGEMENT LLC**  
 COUNTY PLAZA  
 1200 SOUTH 40 WEST, SUITE 202  
 PALM SPRING, FL 33484  
 PHONE: (978) 890-8200  
 FAX: (978) 890-8202 www.E2PM.com

THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THEREO APPURTENANT. THIS DRAWING AND THE DESIGN FEATURES OR CONSTRUCTION DISPLAYED ARE PROPRIETARY TO E2 PROJECT MANAGEMENT LLC AND SHALL NOT BE REPRODUCED, ALTERED OR COPIED WITHOUT WRITTEN PERMISSION. SHALL NOT BE USED IN ANY MANNER DETRIMENTAL TO ITS INTEREST AND SHALL BE RETURNED UPON REQUEST.

**NEW YORK SMSA LIMITED PARTNERSHIP**  
 d/b/a **verizon wireless**  
 141 INDUSTRIAL PARKWAY  
 BRANCHBURG, NJ 08876

SEARCH AREA NAME:  
JEFFERSON 3

CANDIDATE NAME:  
PICATINNY

EXHIBIT A		DRAWING ISSUE STATUS CURRENTLY - A-ISSUED AS A LEASE EXHIBIT B-(SPECIFY)		<b>B</b>
SEARCH AREA NAME: JEFFERSON 3		FIRST ISSUE: 10/9/07	DRAWING NO. <b>LE-3</b>	
CANDIDATE NAME: PICATINNY		CHECKED BY: JS	SHEET NO: 3 OF 3	
		SCALE: AS SHOWN	PRINT DATE: 10/31/07	
		PROJECT #: P-07-02-30	DOCUMENT NO. Verizon\JEFFERSON 3\DWG\LE\REV B	

**Attachment 3. Tribal And NHO Involvement**

*At an early stage in the planning process, the Nationwide Agreement requires the Applicant to gather information from appropriate Indian Tribes or Native Hawaiian Organizations (“NHOs”) to assist in the identification of historic properties of religious and cultural significance to them. Describe measures taken to identify Indian tribes and NHOs that may attach religious and cultural significance to historic properties that may be affected by the undertaking within the Areas of Potential Effects (“APE”) for direct and visual effects. If such Indian tribes or NHOs were identified, list them and provide a summary of contacts by either the FCC, the Applicant, or the Applicant’s representative. Provide copies of relevant documents, including correspondence. If no such Indian tribes or NHOs were identified, please explain.*

TCNS filed on: <u>November 13, 2007</u>		
TCNS #: <u>33136</u>		
<u>Tribes Identified</u>	<u>Date of Follow-up Letter</u>	<u>Consultation Complete?</u>
Delaware Nation	11/19/07	yes
Shawnee Tribe	11/19/07	yes
Consultation with Federally-recognized Native American Tribes identified by the Federal Communications Commission’s Tower Construction Notification System is complete.		

Applicant’s Name: Verizon Wireless  
Project Name: Jefferson 3  
Project Number: \_\_\_\_\_

From: towernotifyinfo@fcc.gov  
Sent: Friday, November 16, 2007 12:00 AM  
To: lorraine.witterlouis@e2pm.com  
Cc: kim.pristello@fcc.gov; diane.dupert@fcc.gov  
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER  
CONSTRUCTION NOTIFICATION INFORMATION - Email ID #1698493

Dear Sir or Madam:

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this electronic mail message is to inform you that the following authorized persons were sent the information you provided through TCNS, which relates to your proposed antenna structure. The information was forwarded by the FCC to authorized TCNS users by electronic mail and/or regular mail (letter).

Persons who have received the information that you provided include leaders or their designees of federally-recognized American Indian Tribes, including Alaska Native Villages (collectively "Tribes"), Native Hawaiian Organizations (NHOs), and State Historic Preservation Officers (SHPOs). For your convenience in identifying the referenced Tribes and in making further contacts, the City and State of the Seat of Government for each Tribe and NHO, as well as the designated contact person, is included in the listing below. We note that Tribes may have Section 106 cultural interests in ancestral homelands or other locations that are far removed from their current Seat of Government. Pursuant to the Commission's rules as set forth in the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (NPA), all Tribes and NHOs listed below must be afforded a reasonable opportunity to respond to this notification, consistent with the procedures set forth below, unless the proposed construction falls within an exclusion designated by the Tribe or NHO. (NPA, Section IV.F.4).

The information you provided was forwarded to the following Tribes and NHOs who have set their geographic preferences on TCNS. If the information you provided relates to a proposed antenna structure in the State of Alaska, the following list also includes Tribes located in the State of Alaska that have not specified their geographic preferences. For these Tribes and NHOs, if the Tribe or NHO does not respond within a reasonable time, you should make a reasonable effort at follow-up contact, unless the Tribe or NHO has agreed to different procedures (NPA, Section IV.F.5). In the event such a Tribe or NHO does not respond to a follow-up inquiry, or if a substantive or procedural disagreement arises between you and a Tribe or NHO, you must seek guidance from the Commission (NPA, Section IV.G). These procedures are further set forth in the FCC's Declaratory Ruling released on October 6, 2005 (FCC 05-176).

1. NAGPRA Director Tamara Francis - Delaware Nation - Anadarko, OK - regular mail

Exclusions: The Delaware Nation located in Anadarko, Oklahoma will not review proposed collocation projects. Please do not notify the Delaware Nation of such projects.

There is a \$200 fee for the review of all projects. Send this payable to the Delaware Nation in the form of a check or money order.

All projects for review by the Delaware Nation must pay the \$200 fee.

2. THPO & Tribal Administrator Rebecca A Hawkins - Shawnee Tribe - Miami, OK - electronic mail and regular mail

Exclusions: THIS IS YOUR OFFICIAL NOTICE THAT THE SHAWNEE TRIBE IS INTERESTED IN CONSULTING ON ALL PROJECTS BUILT IN OUR AREAS OF GEOGRAPHIC INTEREST.

ATTENTION, NEW INFORMATION: Our procedures were updated on 19 July 2007. Please call Belinda Pryor at 918-542-2441 so that she can send you a copy.

If your tower is a co-location, please fax us this information to let us know. We cannot always tell from the TCNS web site that a tower is a co-location. We require a written response from you to let us know that it is a co-location. If a co-location project includes some new ground disturbance (such as from an expanded compound or access road, or construction of an ancillary structure), the Shawnee Tribe treats such a project the same as any other non co-location project.

Our correct mailing/physical address is: 29 South Highway 69A. Our correct phone number is (918-542-2441) and our historic preservation fax line is (918-542-9915). Rebecca Hawkins is the Tribe's THPO; Belinda Pryor, Assistant THPO, handles all cell tower consultation.

As of 26 June 2006, all of the faxed responses of our final comments on a tower site will contain the signature of either Assistant THPO Belinda Pryor or THPO Rebecca Hawkins. Each final comment fax is signed individually. Copies may be compared, for authentication, against the original in our files. If a final comment fax does not contain one of these two signatures, it is not valid. ALL FINAL COMMENTS FROM THE SHAWNEE TRIBE THPO ARE WRITTEN; FINAL COMMENTS ARE NEVER PROVIDED VERBALLY. IF THE SHAWNEE TRIBE IS CREDITED WITH HAVING GIVEN A VERBAL RESPONSE, THAT RESPONSE IS NOT VALID.

If you receive notification through the TCNS listing the Shawnee Tribe, that is an indication that the Shawnee Tribe is interested in consulting on the tower for which that notification was received. Please consider that our official indication of interest to you. The Shawnee Tribe considers the Tower Construction Notification System's weekly e-mail to be the first notification that we receive that a tower will be constructed in an area of our concern. We do not view the TCNS notification as completion of 106 consultation obligations.

The Shawnee Tribe has developed streamlined consultation procedures for cell tower developers and their subcontractors. If you do not have a copy of the procedures - most recently updated on 19 July November 2007 - please contact us, as you must follow these procedures to consult with us on cell tower projects. Call us at 918-542-2441 or fax us at 918-542-9915. It is the tower builder's responsibility to make sure that you have our most recent consultation procedures.

PLEASE DO NOT SEND US INFORMATION, QUERIES, OR COMMENTS ELECTRONICALLY. SINCE 1 DECEMBER 2005, WE HAVE NOT HANDLED ANY CELL TOWER CONSULTATION CORRESPONDENCE VIA E-MAIL.

The information you provided was also forwarded to the additional Tribes and NHOs listed below. These Tribes and NHOs have NOT set their geographic preferences on TCNS, and therefore they are currently receiving tower

notifications for the entire United States. For these Tribes and NHOs, you are required to use reasonable and good faith efforts to determine if the Tribe or NHO may attach religious and cultural significance to historic properties that may be affected by its proposed undertaking. Such efforts may include, but are not limited to, seeking information from the relevant SHPO or THPO, Indian Tribes, state agencies, the U.S. Bureau of Indian Affairs, or, where applicable, any federal agency with land holdings within the state (NPA, Section IV.B). If after such reasonable and good faith efforts, you determine that a Tribe or NHO may attach religious and cultural significance to historic properties in the area and the Tribe or NHO does not respond to TCNS notification within a reasonable time, you should make a reasonable effort to follow up, and must seek guidance from the Commission in the event of continued non-response or in the event of a procedural or substantive disagreement. If you determine that the Tribe or NHO is unlikely to attach religious and cultural significance to historic properties within the area, you do not need to take further action unless the Tribe or NHO indicates an interest in the proposed construction or other evidence of potential interest comes to your attention.

None

The information you provided was also forwarded to the following SHPOs in the State in which you propose to construct and neighboring States. The information was provided to these SHPOs as a courtesy for their information and planning. You need make no effort at this time to follow up with any SHPO that does not respond to this notification. Prior to construction, you must provide the SHPO of the State in which you propose to construct (or the Tribal Historic Preservation Officer, if the project will be located on certain Tribal lands), with a Submission Packet pursuant to Section VII.A of the NPA.

3. Vincent Maresca - New Jersey Historic Preservation Office - Trenton, NJ - electronic mail

4. Director Ruth L Pierpont - Bureau of Field Services, NY State Parks &\* Hist. Pres. - Waterford, NY - electronic mail

5. Deputy SHPO Jean Cutler - Pennsylvania Historical & Museum Comm, Bureau for Historic Preservation - Harrisburg, PA - electronic mail

"Exclusions" above set forth language provided by the Tribe, NHO, or SHPO. These exclusions may indicate types of tower notifications that the Tribe, NHO, or SHPO does not wish to review. TCNS automatically forwards all notifications to all Tribes, NHOs, and SHPOs that have an expressed interest in the geographic area of a proposal, as well as Tribes and NHOs that have not limited their geographic areas of interest. However, if a proposal falls within a designated exclusion, you need not expect any response and need not pursue any additional process with that Tribe, NHO, or SHPO. Exclusions may also set forth policies or procedures of a particular Tribe, NHO, or SHPO (for example, types of information that a Tribe routinely requests, or a policy that no response within 30 days indicates no interest in participating in pre-construction review).

If you are proposing to construct a facility in the State of Alaska, you should contact Commission staff for guidance regarding your obligations in the event that Tribes do not respond to this notification within a reasonable time.

Please be advised that the FCC cannot guarantee that the contact(s) listed above opened and reviewed an electronic or regular mail notification. The following information relating to the proposed tower was forwarded to the person(s) listed above:

Notification Received: 11/13/2007

Notification ID: 33136

Tower Owner Individual or Entity Name: New York SMSA Limited Partnership d/b/a Verizon Wireless

Consultant Name: Lorraine WitterLouis

Street Address: 1220 Route 46 West  
Suite 222

City: Parsippany

State: NEW JERSEY

Zip Code: 07054

Phone: 732-256-4070

Email: lorraine.witterlouis@e2pm.com

Structure Type: POLE - Any type of Pole

Latitude: 40 deg 57 min 0.3 sec N

Longitude: 74 deg 34 min 6.0 sec W

Location Description: Berkshire Trail, Picatinny Arsenal

City: Dover

State: NEW JERSEY

County: MORRIS

Ground Elevation: 330.4 meters

Support Structure: 45.7 meters above ground level

Overall Structure: 45.7 meters above ground level

Overall Height AMSL: 376.1 meters above mean sea level

If you have any questions or comments regarding this notice, please contact the FCC using the electronic mail form located on the FCC's website at:

<http://wireless.fcc.gov/outreach/notification/contact-fcc.html>.

You may also call the FCC Support Center at (877) 480-3201 (TTY 717-338-2824). Hours are from 8 a.m. to 7:00 p.m. Eastern Time, Monday through Friday (except Federal holidays). To provide quality service and ensure security, all telephone calls are recorded.

Thank you,  
Federal Communications Commission



# E2 Project Management LLC

The History Team

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Colony Plaza, 1220 Route 46 West, Suite 222 Parsippany, New Jersey 07054  
Tel. (973) 299-5200, Fax. (973) 299-5059

November 19, 2007

Ms. Belinda Pryor  
The Shawnee Tribe  
Historic Preservation Department  
29 South Highway 69A  
Miami, OK 74354

Re: Request for Review of Proposed Wireless Telecommunication Facility on Properties of Religious and Cultural Importance to the Tribe  
**TCNS # 33136**

Dear Ms. Pryor:

New York SMSA Limited Partnership d/b/a Verizon Wireless (Verizon) is proposing to install a wireless telecommunication facility at a site called "Jefferson 3", Berkshire Trail, Picatinny Arsenal, Dover, Morris County, New Jersey

Verizon proposes to construct a 150-foot tall monopole and place support equipment in an equipment compound adjacent to the monopole. Verizon proposes to mount 12 antennas at a centerline of 148 feet above ground level. Verizon proposes to locate an 11.6-foot by 30-foot equipment cabinet near the base of the monopole. Verizon proposes to enclose the area with a 6-foot chain link fence. Access to the compound will be via a proposed 12-foot wide paved driveway.

Information regarding the proposed undertaking was posted on the FCC's Tower Construction Notification System on November 13, 2007. We are sending this follow-up letter to you, respectfully requesting your review of the proposed facility for its impact on properties of religious and cultural importance to the Tribe. The project plans and a U.S.G.S. Map with the project location identified are enclosed with this letter.

Per the requirements of the 2005 Programmatic Agreement regarding the Section 106 National Historic Preservation Act Review Process (NPA), we are required to obtain your comments or confirm your disinterest in the proposed undertaking. Please contact Suzanne Derrick at (815) 254-8204 or at [suzanne.derrick@e2pm.com](mailto:suzanne.derrick@e2pm.com) with any questions or comments regarding the proposed facility.

Thank you for your assistance in this matter. Please do not hesitate to contact us if you have any further questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Suzanne B. Derrick'.

Suzanne B. Derrick  
Cultural Resources Division Manager

Enclosure: Jefferson 3 Lease Exhibits, USGS map, \$50 Tribal Consultation Fee  
Project file: E2PM #H-07-01-117



SHAWNEE TRIBE  
HISTORIC PRESERVATION DEPARTMENT  
29 SOUTH HIGHWAY 69A  
MIAMI, OKLAHOMA 74354  
918 ^ 542 ^ 2441 PHONE 918 ^ 542 ^ 9915 FAX

RECEIVED  
2-22-08

FACSIMILE COVER PAGE

TO: Lorraine FROM: RH

FIRM/AGENCY: EL DATE/TIME: 2/22/08

FAX NUMBER: 973-299-5059 NO. OF PAGES, INCLUDING COVER: \_\_\_\_\_

PHONE NUMBER: \_\_\_\_\_ MEMO: 26151-33136

**Message:** The Shawnee Tribe's Tribal Historic Preservation Officer concurs that no known historic properties will be negatively impacted by construction of this tower site (see memo line above for TCNS number/s). The Shawnee Tribe's archives do not reveal any issues of concern at this tower location. In the event that archaeological materials are encountered later during construction, use, or maintenance of this tower location, please re-notify us at that time as we would like to resume consultation under such a circumstance.

The Shawnee Tribe's Environmental and Natural Resources Department takes this opportunity to express its concerns that telecommunication towers can have a potentially destructive impact on bats and migratory birds, particularly those that migrate at night, including species listed as threatened and endangered by both states and the federal government, as well as other species. The Shawnee Tribe suggests that this tower be constructed in accordance with the guidelines available from the US Fish and Wildlife Service to reduce the adverse effects of telecommunications towers on migratory birds; these guidelines may be found at: [www.fws.gov/migratorybirds/issues/towers/comtow.html](http://www.fws.gov/migratorybirds/issues/towers/comtow.html).

The Shawnee Tribe's Environmental and Natural Resources Department is further concerned that the proliferation of cell towers may play a role in honey bee Colony Collapse Disorder. We acknowledge that cell phone technology may not be to blame, as other potential causative factors for the decline have been noted, such as insecticides, tracheal and varroa mites [an immunosuppressant], other parasites, pesticides used on hives to eliminate parasites, genetically modified plants, *Nosema* fungus, Israeli Acute Paralysis Virus (IAPV) perhaps introduced from Australia in 2004, Kashmir Bee Virus [KBV], climate change, and drought.

While one or a constellation of these factors may be causative, it is undeniable that the evidence suggests as much of a behavioral as a pathogenic origin for Colony Collapse Disorder. On March 29<sup>th</sup>, 2007, Diana Cox-Foster, Pennsylvania State University, testified about Colony Collapse Disorder before the House Subcommittee on Horticulture and Organic Agriculture. According to May Berenbaum, a member of Cox-Foster's working team and an insect ecologist at the University of Illinois (Urbana-Champaign), "The main hypotheses are based on the interpretation that the disappearances represent disruptions in orientation behavior and navigation". One study at the Koblenz-Landau University, Germany, may suggest that electromagnetic emissions from cell phones could possibly cause such a disruption in the navigation systems of bees, preventing them from being able to return to their hives. This study is by no means conclusive. However, Departmental staff will continue to assess the potential role in Colony Collapse Disorder of such electromagnetic emissions and would strongly urge the cell tower industry to do the same.

Finally, the Shawnee Tribe's Environmental and Natural Resources Department requests that cell tower sites, whenever remotely feasible, be restored to native vegetation. In all cases, habitat restoration can protect a variety of species, even in small project areas. The large number of cell tower sites provides an as yet unrealized opportunity for region-wide habitat restoration. The Tribe urges the cell phone industry to provide a model for native habitat restoration for other industries.

Please do not hesitate to call us for additional comment.

*Bethinda Payer*



# E2 Project Management LLC

The History Team

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Colony Plaza, 1220 Route 46 West, Suite 222 Parsippany, New Jersey 07054  
Tel. (973) 299-5200, Fax. (973) 299-5059

November 19, 2007

Ms Tamara Frances, THPO  
The Delaware Nation  
2 ½ Miles North of Anadarko on Highway 281  
Anadarko, OK 73005

Re: Request for Review of Proposed Wireless Telecommunication Facility on Properties of Religious and Cultural Importance to the Tribe  
**TCNS # 33136**

Dear Ms. Frances:

New York SMSA Limited Partnership d/b/a Verizon Wireless (Verizon) is proposing to install a wireless telecommunication facility at a site called "Jefferson 3", Berkshire Trail, Picatinny Arsenal, Dover, Morris County, New Jersey

Verizon proposes to construct a 150-foot tall monopole and place support equipment in an equipment compound adjacent to the monopole. Verizon proposes to mount 12 antennas at a centerline of 148 feet above ground level. Verizon proposes to locate an 11.6-foot by 30-foot equipment cabinet near the base of the monopole. Verizon proposes to enclose the area with a 6-foot chain link fence. Access to the compound will be via a proposed 12-foot wide paved driveway.

Information regarding the proposed undertaking was posted on the FCC's Tower Construction Notification System on November 13, 2007. We are sending this follow-up letter to you, respectfully requesting your review of the proposed facility for its impact on properties of religious and cultural importance to the Tribe. The project plans and a U.S.G.S. Map with the project location identified are enclosed with this letter.

Per the requirements of the 2005 Programmatic Agreement regarding the Section 106 National Historic Preservation Act Review Process (NPA), we are required to obtain your comments or confirm your disinterest in the proposed undertaking. Please contact Suzanne Derrick at (815) 254-8204 or at [suzanne.derrick@e2pm.com](mailto:suzanne.derrick@e2pm.com) with any questions or comments regarding the proposed facility.

Thank you for your assistance in this matter. Please do not hesitate to contact us if you have any further questions.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Suzanne B. Derrick', written in dark ink.

Suzanne B. Derrick  
Cultural Resources Division Manager

Enclosure: Jefferson 3 Lease Exhibits, USGS map, \$200. Tribal Consultation Fee  
Project file: E2PM #H-07-01-117



Delaware Nation  
NAGPRA/Cultural Preservation Office  
P.O. Box 825, Anadarko, OK 73005  
Phone: (405) 247-2448 ~ Fax: (405) 247-9393

NAGPRA ext. 121  
Section 106 ext. 147  
Museum ext. 120  
Library ext. 134

Date: 12/18/07

Company: E2PM

Project #: 33035, 33124, 33134  
33134, 33213, 33274

County/State: New Jersey

To Whom It May Concern:

The Delaware Nation received a letter regarding the above referenced project. The Delaware Nation is committed to protecting archaeological sites that are important to tribal heritage, culture, and religion. Furthermore, the tribe is particularly concerned with archaeological sites that may contain human burial remains and associated funerary objects.

As described in your correspondence and, upon research of our database and files we find that the Lenape people occupied these areas either historically or prehistorically. However, the location of the project does not endanger known archaeological sites of interest to the Delaware Nation. Please continue with the project as planned. However, should this project inadvertently uncover an archaeological site we request that you immediately contact the appropriate state agencies, as well as the Delaware Nation. Also, we ask that you halt all construction and ground disturbing activities until the tribe and these state agencies are consulted.

Please also note that the Delaware Nation and the Stockbridge Munsee Band of Mohican Indians are the only Federally Recognized Delaware/Lenape entities in the United States. Consultation regarding inadvertent discoveries should be made only with designated Delaware Nation NAGPRA/Cultural Preservation staff of Anadarko, OK or designated Stockbridge Munsee Band of Mohican Indians staff of Wisconsin.

We appreciate your cooperation in contacting the Delaware Nation. Should you have any questions, feel free to contact me at (405) 247-2448 or by email [tfreder@delawarenation.org](mailto:tfreder@delawarenation.org)

Sincerely,  
  
Tamara Francis  
NAGPRA/Cultural Preservation Director

**Attachment 4. Local Government**

**a.** *Has any local government agency been contacted and invited to become a consulting party pursuant to Section V.A. of the Nationwide Agreement? If so, list the local government agencies contacted. Provide a summary of contacts and copies of any relevant documents (e.g., correspondence or notices).*

Verizon Wireless is working with the arsenal staff to develop this site located on United States property.

**b.** *If a local government agency will be contacted but has not been to date, explain why and when such contact will take place.*

Applicant's Name: Verizon Wireless  
Project Name: Jefferson 3  
Project Number: \_\_\_\_\_

**Attachment 5. Public Involvement**

*Describe measures taken to obtain public involvement in this project (e.g., notices, letters, or public meetings). Provide copies of relevant documentation.*

A public notice describing the proposed undertaking will be posted in the local paper of record. Additionally, letters will be sent to local parties with an interest in historic preservation soliciting their input regarding the potential effects of the proposed undertaking on historic resources.

<u>Individuals/Organizations Contacted</u>	<u>Response Received?</u>
Ms. Bonnie-Lynn Nadzeika, Director Morris County Historical Society	No
Ms. Peg Shultz History Program Coordinator Morris County Heritage Commission	No
Ms. Marion Harris, Chair Morris County Trust for Historic Preservation	No

Please see the attached correspondence for details.

Applicant's Name: Verizon Wireless  
Project Name: Jefferson 3  
Project Number: \_\_\_\_\_

Affidavit from  
**The Citizen**  
Of Morris County

STATE OF NEW JERSEY }  
COUNTY OF MORRIS } ss.:

Heather Markensohn, being duly sworn according to law on her oath, deposes and says that she is a clerk employed in the office of "THE CITIZEN OF MORRIS COUNTY, a newspaper which is published in Denville, in the County of Morris, and that the notice of which the annexed is a true copy, was published in said CITIZEN OF MORRIS COUNTY newspaper on:

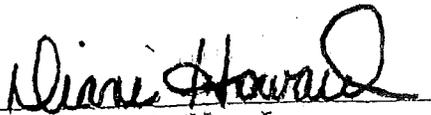
JAN 30 2008

  
Heather Markensohn

Sworn to and subscribed before me this

JAN 30 2008

\_\_\_\_\_ day of \_\_\_\_\_

  
Notary Public, New Jersey

DIANE HOWARD  
NOTARY PUBLIC  
STATE OF NEW JERSEY  
MY COMMISSION EXPIRES APRIL 23, 2009

**Public Notice**

NEW TELECOMMUNICATIONS FACILITY  
ROCKAWAY TOWNSHIP

New York SMSA Limited Partnership d/b/a Verizon Wireless is proposing to locate new wireless telecommunications facility at Berkshire Trail, Piscataway, Arsenal, Rockaway Township, Morris County, New Jersey. Verizon proposes to mount wireless equipment within a leased compound area. Twelve antennas are to be mounted at a centerline elevation of approximately 148 feet above ground level on a proposed 150 foot tall monopole, and support equipment will be placed in a proposed 11.6 foot by 30 foot equipment shelter. A cable-bridge will route coaxial cable from the proposed equipment shelter to the proposed antennas. The compound area will additionally include a proposed propane tank with an underground gas line to an emergency generator, underground utilities, meter bank, and utility extension. The compound area will be enclosed by a proposed six foot high chain link fence with gated access. Any interested party wishing to submit comments regarding the effect the proposed facility may have on any historic property may do so by sending such comments to: Suzanne Derrick, E2PM, 1220 Route 46 West, Suite 222, Parsippany, NJ 07054 or by electronic mail to: [suzanne.derrick@e2pm.com](mailto:suzanne.derrick@e2pm.com), and please refer to E2PM Tracking Number H-07-01-117.

E2 PROJECT MANAGEMENT LLC  
The /History Team  
Colony Plaza  
1220 Route 46 West  
Suite 222  
Parsippany, NJ 07054  
(973) 299-5200  
Submitted By: Lorraine Witter-Louis  
01/30/11

P.F.\$19.74



# E2 Project Management LLC

The History Team

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Colony Plaza, 1220 Route 46 West, Suite 222 Parsippany, New Jersey 07054  
Tel. (973) 299-5200, Fax. (973) 299-5059

January 23, 2008

Ms. Bonnie-Lynn Nadzeika, Director  
Morris County Historical Society  
Acorn Hall  
68 Morris Avenue  
Morristown, NJ 07960-4212

Re: Federal Communications Commission Undertaking  
Form 620  
Carrier: New York SMSA Limited Partnership d/b/a  
Verizon Wireless  
Site Address: Berkshire Trail, Picatinny Arsenal,  
Rockaway Township, Morris County, New Jersey  
Site Name: Jefferson 3  
Property Owner: U.S. Govt / Picatinny Arsenal

Dear Ms Nadzeika:

You have been identified as a local party interested in historic preservation. This information is being sent to you under the guidelines for consultation with the public regarding Federal undertakings provided by the New Jersey Historic Preservation Office (HPO), 36 CFR 800, and the 2005 "Nationwide Programmatic Agreement For Review Of Effects On Historic Properties For Certain Undertakings Approved By The Federal Communications Commission."

New York SMSA Limited Partnership d/b/a Verizon Wireless (Verizon) proposes to mount wireless equipment within a leased compound area. Twelve antennas are to be mounted at a centerline elevation of approximately 148 feet above ground level on a proposed 150 foot tall monopole, and support equipment will be placed in a proposed 11.6 foot by 30 foot equipment shelter. A cable-bridge will route coaxial cable from the proposed 24-foot by 30-foot equipment shelter to the proposed antennas. The compound area will additionally include a proposed propane tank with an underground gas line to an emergency generator, underground utilities, meter bank, and utility extension. The compound area will be enclosed by a proposed six foot high chain link fence with gated access. Please refer to the attached location map and lease exhibits for more details.

E 2 Project Management LLC (E2PM) has conducted background research at HPO, New Jersey State Museum, and New Jersey State Library to identify resources previously listed on or considered eligible for listing on the National Register of Historic Places, resources listed in local municipal historic surveys, known archaeological sites and archaeologically sensitive areas, and areas of potential sensitivity. E2PM will be conducting field surveys in the coming week.

If you are aware of any cultural resources of local interest or have any comments on the above referenced undertaking, please respond within 30 days of the date of this letter to the mailing address above, via phone at (267) 797-5907, or via email at [donna.andrews@e2pm.com](mailto:donna.andrews@e2pm.com).

Thank you,

A handwritten signature in blue ink, appearing to read 'Donna', written over a light blue horizontal line.

Donna Andrews  
Senior Architectural Historian



# E2 Project Management LLC

The History Team

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Colony Plaza, 1220 Route 46 West, Suite 222 Parsippany, New Jersey 07054  
Tel. (973) 299-5200, Fax. (973) 299-5059

January 23, 2008

Ms. Peg Shultz  
History Program Coordinator  
Morris County Heritage Commission  
P.O. Box 900  
Morristown, NJ 07963-0900

Re: Federal Communications Commission Undertaking  
Form 620  
Carrier: New York SMSA Limited Partnership d/b/a  
Verizon Wireless  
Site Address: Berkshire Trail, Picatinny Arsenal,  
Rockaway Township, Morris County, New Jersey  
Site Name: Jefferson 3  
Property Owner: U.S. Govt./Picatinny Arsenal

Dear Ms Shultz:

You have been identified as a local party interested in historic preservation. This information is being sent to you under the guidelines for consultation with the public regarding Federal undertakings provided by the New Jersey Historic Preservation Office (HPO), 36 CFR 800, and the 2005 "Nationwide Programmatic Agreement For Review Of Effects On Historic Properties For Certain Undertakings Approved By The Federal Communications Commission."

New York SMSA Limited Partnership d/b/a Verizon Wireless (Verizon) proposes to mount wireless equipment within a leased compound area. Twelve antennas are to be mounted at a centerline elevation of approximately 148 feet above ground level on a proposed 150 foot tall monopole, and support equipment will be placed in a proposed 11.6 foot by 30 foot equipment shelter. A cable-bridge will route coaxial cable from the proposed 24-foot by 30-foot equipment shelter to the proposed antennas. The compound area will additionally include a proposed propane tank with an underground gas line to an emergency generator, underground utilities, meter bank, and utility extension. The compound area will be enclosed by a proposed six foot high chain link fence with gated access. Please refer to the attached location map and lease exhibits for more details.

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If you are aware of any cultural resources of local interest or have any comments on the above referenced undertaking, please respond within 30 days of the date of this letter to the mailing address above, via phone at (267) 797-5907, or via email at [donna.andrews@e2pm.com](mailto:donna.andrews@e2pm.com).

Thank you,

A handwritten signature in blue ink, appearing to read 'Donna', with a stylized flourish at the end.

Donna Andrews  
Senior Architectural Historian



# E2 Project Management LLC

The History Team

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Colony Plaza, 1220 Route 46 West, Suite 222 Parsippany, New Jersey 07054  
Tel. (973) 299-5200, Fax. (973) 299-5059

January 23, 2008

Ms. Marion Harris, Chair  
Morris County Trust for Historic Preservation  
14 Oak Street  
Morristown, NJ 07960

Re: Federal Communications Commission Undertaking  
Form 620  
Carrier: New York SMSA Limited Partnership d/b/a  
Verizon Wireless  
Site Address: Berkshire Trail, Picatinny Arsenal,  
Rockaway Township, Morris County, New Jersey  
Site Name: Jefferson 3  
Property Owner: U.S. Govt./Picatinny Arsenal

Dear Ms. Harris:

You have been identified as a local party interested in historic preservation. This information is being sent to you under the guidelines for consultation with the public regarding Federal undertakings provided by the New Jersey Historic Preservation Office (HPO), 36 CFR 800, and the 2005 "Nationwide Programmatic Agreement For Review Of Effects On Historic Properties For Certain Undertakings Approved By The Federal Communications Commission."

New York SMSA Limited Partnership d/b/a Verizon Wireless (Verizon) proposes to mount wireless equipment within a leased compound area. Twelve antennas are to be mounted at a centerline elevation of approximately 148 feet above ground level on a proposed 150 foot tall monopole, and support equipment will be placed in a proposed 11.6 foot by 30 foot equipment shelter. A cable-bridge will route coaxial cable from the proposed 24-foot by 30-foot equipment shelter to the proposed antennas. The compound area will additionally include a proposed propane tank with an underground gas line to an emergency generator, underground utilities, meter bank, and utility extension. The compound area will be enclosed by a proposed six foot high chain link fence with gated access. Please refer to the attached location map and lease exhibits for more details.

E 2 Project Management LLC (E2PM) has conducted background research at HPO, New Jersey State Museum, and New Jersey State Library to identify resources previously listed on or considered eligible for listing on the National Register of Historic Places, resources listed in local municipal historic surveys, known archaeological sites and archaeologically sensitive areas, and areas of potential sensitivity. E2PM will be conducting field surveys in the coming week.

If you are aware of any cultural resources of local interest or have any comments on the above referenced undertaking, please respond within 30 days of the date of this letter to the mailing address above, via phone at (267) 797-5907, or via email at [donna.andrews@e2pm.com](mailto:donna.andrews@e2pm.com).

Thank you,

A handwritten signature in blue ink, appearing to read 'Donna', with a stylized flourish at the end.

Donna Andrews  
Senior Architectural Historian

**Attachment 6. Additional Consulting Parties**

*List additional consulting parties that were invited to participate by the Applicant, or independently requested to participate. Provide any relevant correspondence or other documents.*

No additional consulting parties were identified.

Applicant's Name: Verizon Wireless  
Project Name: Jefferson 3  
Project Number: \_\_\_\_\_

**Attachment 7. Areas Of Potential Effects**

The Area of Potential Effects (APE) is defined in the 2005 “Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission” as “the geographic area or areas within which an Undertaking may directly or indirectly cause alterations in the character or use of Historic Properties.”

**a. Describe the APE for direct effects and explain how this APE was determined.**

The APE for Direct Effects encompasses the area that will be directly affected by the installation of the proposed wireless telecommunications facility.

The APE for Direct Effects includes the subject property, the Picatinny Arsenal. Please refer to the lease exhibits appended to Attachment 2.

**b. Describe the APE for visual effects and explain how this APE was determined.**

The APE for Indirect or Visual Effects encompasses the area from which the proposed wireless telecommunications facility will be visible.

The APE for Indirect Effects was determined through the use of computer generated viewshed mapping and a pedestrian survey. The surrounding area is characterized by mature vegetation, hilly terrain, and development associated with the military installation. The proposed monopole will be visible from portions of Reilly Road, Phipps Road, Farley Avenue, 1<sup>st</sup> Street, 4<sup>th</sup> Street, 3<sup>rd</sup> Avenue, 4<sup>th</sup> Avenue, Ramsey Avenue, and from a portion of the southeastern part of Picatinny Lake and surrounding area. The southern extent of the APE is 1<sup>st</sup> Street. Please refer to Figure 2 in Attachment 12.

Applicant's Name: Verizon Wireless  
Project Name: Jefferson 3  
Project Number: \_\_\_\_\_

**Attachment 8. Historic Properties Identified In The APE For Visual Effects**

a. Provide the name and address (including U.S. Postal Service ZIP Code) of each property in the APE for visual effects that is listed in the National Register, has been formally determined eligible for listing by the Keeper of the National Register, or is identified as considered eligible for listing in the records of the SHPO/THPO, pursuant to Section VI.D.1.a. of the Nationwide Agreement. Section VI.D.1.a. of the Nationwide Agreement requires the Applicant to review publicly available records to identify within the APE for visual effects: i) properties listed in the National Register; ii) properties formally determined eligible for listing by the Keeper of the National Register; iii) properties that the SHPO/THPO certifies are in the process of being nominated to the National Register; iv) properties previously determined eligible as part of a consensus determination of eligibility between the SHPO/THPO and a Federal Agency or local government representing the Department of Housing and Urban Development (HUD); and, v) properties listed in the SHPO/THPO Inventory that the SHPO/THPO has previously evaluated and found to meet the National Register criteria, and that are identified accordingly in the SHPO/THPO Inventory.

Property: Picatinny Arsenal Administration and Research District	Address: Buffington & Parker Rds, Joyces Ln Municipality: Rockaway Township State: NJ Zip: 07806
<input type="checkbox"/> National Register <input type="checkbox"/> Determination of Eligibility <input checked="" type="checkbox"/> SHPO Opinion (7/2/99) <input type="checkbox"/> In process of being nominated	Distance/Direction from Proposed Tower: 3250'/Southeast

There is one previously identified resource included in the ½ mile search radius that is not included in the APE. The Picatinny Arsenal 600 Ordinance Testing Area District (SHPO Opinion 7/2/99) is located approximately 2500 feet east of the proposed monopole but due to intervening vegetation and topographical barriers blocking the viewshed, is not included in the APE. The proposed monopole will have no effect on this resource.

In addition to listed or eligible resources, HPO requests that consultants also identify and assess effects to resources identified as eligible in local municipal surveys. There is one previously surveyed resource within the ½ mile search radius. The Picatinny Arsenal (1435-039) is the subject property. Several historic districts and individual resources have been identified on the grounds of the Picatinny Arsenal, including the Picatinny Arsenal 600 Ordinance Testing Area District (SHPO Opinion 7/2/99) on 20<sup>th</sup> Avenue, the Picatinny Arsenal Administration and Research District (SHPO Opinion 7/2/99) including buildings on Buffington Road, Joyces Lane, and Parker Road, the Picatinny Arsenal Navy Commander's Quarters (SHPO Opinion 7/2/99) on Main Road, the Picatinny Arsenal Stable (SHPO Opinion 7/2/99) on Main Road, and the Picatinny Arsenal Test Area E, Naval Air Rocket Test Station District (SHPO Opinion 7/2/99) on Snake Hill Road.

Applicant's Name: Verizon Wireless  
 Project Name: Jefferson 3  
 Project Number: \_\_\_\_\_

**Attachment 8. Historic Properties Identified In The APE For Visual Effects Continued**

**b.** Provide the name and address (including U.S. Postal Service ZIP Code) of each Historic Property in the APE for visual effects, not listed in Attachment 8a, identified through the comments of Indian Tribes, NHOs, local governments, or members of the public. Identify each individual or group whose comments led to the inclusion of a Historic Property in this attachment. For each such property, describe how it satisfies the criteria of eligibility (36 C.F.R. Part 63).

Not Applicable.

**c.** For any properties listed on Attachment 8a that the Applicant considers no longer eligible for inclusion in the National Register, explain the basis for this recommendation.

Not Applicable.

Applicant's Name: Verizon Wireless  
Project Name: Jefferson 3  
Project Number: \_\_\_\_\_

**Attachment 9. Historic Properties Identified In The APE For Direct Effects**

a. List all properties identified in Attachment 8a or 8b that are within the APE for direct effects.

None were identified.

b. Provide the name and address (including U.S. Postal Service ZIP Code) of each property in the APE for direct effects, not listed in Attachment 9a, that the Applicant considers to be eligible for listing in the National Register as a result of the Applicant's research. For each such property, describe how it satisfies the criteria of eligibility (36 C.F.R. Part 63). For each property that was specifically considered and determined not to be eligible, describe why it does not satisfy the criteria of eligibility.

No additional resources were identified.

c. Describe the techniques and the methodology, including any field survey, used to identify historic properties within the APE for direct effects. Pursuant to Section VI.D.2.a. of the Nationwide Agreement, Applicants shall make a reasonable and good faith effort to identify above ground and archeological historic properties, including buildings, structures, and historic districts, that lie within the APE for direct effects. Such reasonable and good faith efforts may include a field survey where appropriate. If no archeological field survey was performed, provide a report substantiating that: i) the depth of previous disturbance exceeds the proposed construction depth (excluding footings and other anchoring mechanisms) by at least 2 feet; or, ii) geomorphological evidence indicates that cultural resource-bearing soils do not occur within the project area or may occur but at depths that exceed 2 feet below the proposed construction depth. Under Section VI.D.2.d. of the Nationwide Agreement, an archeological field survey is required even if one of these conditions applies, if an Indian tribe or NHO provides evidence that supports a high probability of the presence of intact archeological Historic Properties within the APE for direct effects.

Archaeology

*Environmental Setting*  
The project area stands at an elevation of approximately 1020 feet above sea level and is located in the Highlands Physiographic Province. The Highlands province comprises about one-eighth of the total land area of the state (900+ square miles) and includes narrow valleys with a generally northeast-southwest orientation lying between the broad, flat highlands. For the most part, the province is underlain by metamorphosed igneous and sedimentary rock of the Middle Proterozoic Age.

*Prior Cultural Resource Surveys*  
A review of files at the New Jersey Historic Preservation Office (HPO) indicated that one

Applicant's Name: Verizon Wireless  
Project Name: Jefferson 3  
Project Number: \_\_\_\_\_

prior cultural resource survey that addressed archaeological resources was performed adjacent to the project area.

A phase IA cultural resource survey was previously completed for a proposed telecommunications facility 125-feet from the currently proposed location (Richard Grubb & Associates 2004). During the course of the survey, the consultants reviewed documentary evidence regarding the project area and conducted a site inspection. Because of prior disturbance at the site, its remote location, the lack of known cultural resources in the immediate vicinity and the distance from topographic indicators commonly associated with prehistoric site occurrence, the probability of encountering significant resources at the site was deemed to be low. No archaeological testing was attempted.

#### *Known Archaeological Sites*

A review of files at the New Jersey State Museum and published references indicated that there are no registered archaeological sites within the project area, but that there are six such sites within a one-mile radius.

In addition to the five sites cited in the cultural resource survey mentioned above, a twentieth century bottle/trash dump was discovered in an area just south of prehistoric site 28-Mr-278. The trash dump is registered as 28-Mr-279.

#### *Assessment of Archaeological Sensitivity*

A preliminary determination of the likelihood that significant cultural resources occur within any given area is generally based upon a review of historic and modern documentary sources and a close visual inspection of the subject parcel. Documentary sources yielded no evidence of occupation or use of the project area until the late twentieth century.

A prior phase IA cultural resource survey examined an area adjacent to the project area in advance of a proposed telecommunications facility that was not built. This survey indicated that there was a low likelihood of the occurrence of significant cultural resources within the project area. Based on the information presented in the report and limited additional documentary review, it appears that there is indeed a low probability that the project will have an adverse impact upon any historic or prehistoric archaeological resources.

#### Architecture

The subject property is the Picatinny Arsenal. Several historic districts and individual resources have been identified on the grounds of the Picatinny Arsenal, including the Picatinny Arsenal 600 Ordinance Testing Area District (SHPO Opinion 7/2/99) on 20<sup>th</sup> Avenue, the Picatinny Arsenal Administration and Research District (SHPO Opinion 7/2/99) including buildings on Buffington Road, Joyces Lane, and Parker Road, the Picatinny Arsenal Navy Commander's Quarters (SHPO Opinion 7/2/99) on Main Road, the Picatinny Arsenal Stable (SHPO Opinion 7/2/99) on Main Road, and the Picatinny Arsenal Test Area E, Naval Air Rocket Test Station District (SHPO Opinion 7/2/99) on Snake Hill Road.

Applicant's Name: Verizon Wireless  
Project Name: Jefferson 3  
Project Number: \_\_\_\_\_

**Attachment 10. Effects On Identified Properties**

For each property identified as a Historic Property in Attachments 8 and 9:

a. Indicate whether the Applicant believes the proposed undertaking would have a) no effect; b) no adverse effect; or, c) an adverse effect. Explain how each such assessment was made. Provide supporting documentation where necessary.

Property: Picatinny Arsenal Administration and Research District	<input type="checkbox"/> No Effect <input checked="" type="checkbox"/> No Adverse Effect <input type="checkbox"/> Adverse Effect
Assessment of Effect: The Picatinny Arsenal Administration and Research District is eligible for listing on the National Register of Historic Places under Criteria A and C in the contexts of World War I, the inter-war years, World War II mobilization, and the Cold War. The proposed monopole will be partially visible from the Picatinny Arsenal Administration and Research District. The proposed monopole will have no effect on the resource's integrity of location, design, materials, workmanship, feeling, or association. The proposed monopole will have a minor effect on the resource's integrity of setting but the effect will not be adverse. As an operating military installation specializing in the research, development, and production of armaments, the landscape of the Picatinny Arsenal is both industrial in nature and constantly changing. The proposed monopole will be located adjacent to an existing fire tower and there are several other communications and testing towers visible from the Picatinny Arsenal Administration and Research District. The proposed monopole will not have an adverse effect on the Picatinny Arsenal Administration and Research District. The proposed monopole will not alter the characteristics of the resource that qualify it for listing on the National Register of Historic Properties nor will it diminish the resource's integrity (36 CFR 800.5.1).	

b. Provide copies of any correspondence and summaries of any oral communications with the SHPO/THPO.

A Section 106 Consultation for a proposed Omnipoint Communications monopole located approximately 125 feet southeast of the proposed monopole was submitted to the New Jersey Historic Preservation Office (HPO) in June 2004 (Richard Grubb & Associates, Inc.; MOR AA 534). HPO determined that the proposed monopole would have No Adverse Effect on any Historic Properties on July 1, 2004 (HPO-F2004-335). Please refer to the attached correspondence.
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c. Describe any alternatives that have been considered that might avoid, minimize, or mitigate any adverse effects. Explain the Applicant's conclusion regarding the feasibility of each alternative.

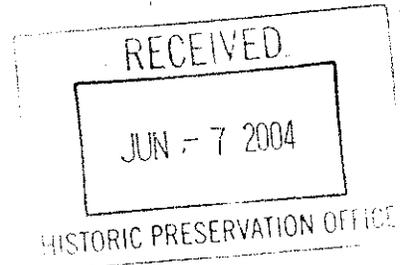
Not applicable.
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Applicant's Name: Verizon Wireless  
Project Name: Jefferson 3  
Project Number: \_\_\_\_\_



June 3, 2004

Mr. Daniel Saunders  
Principal Historic Preservation Specialist  
New Jersey Department of Environmental Protection  
Historic Preservation Office  
501 East State Street, 4<sup>th</sup> Floor  
Trenton, New Jersey 08625-0404



04-1782-1KM  
HPC-F-2004-335

Re: FCC Telecommunication Project  
Omnipoint Communications, Inc.  
Picatinny Arsenal  
Rockaway Township  
Morris County, New Jersey

Dear Mr. Saunders:

Richard Grubb & Associates, Inc., has been retained by Dewberry-Goodkind, Inc., on behalf of Omnipoint Communications, Inc. to complete Section 106 consultation for the proposed construction of wireless telecommunication facility at Picatinny Arsenal. The proposed work includes the construction of a 150-foot monopole, three equipment cabinets, a CSC telco cabinet, and a meter bank within a 50-foot by 50-foot compound, and a 20-foot by 40-foot gravel parking area across Berkshire Trail. A 6-foot chain link fence will enclose the compound. Proposed utilities will be routed overhead from an existing utility pole across Berkshire Trail. Access to the site will be via the existing Berkshire Trail. The resulting Section 106 Consultation Document is included for your review. Based on our investigations, Richard Grubb & Associates, Inc., has determined that the construction of the wireless telecommunication facility will have no adverse effect on any historic resources.

We hope that this information will enable you to review this site pursuant to *36 CFR Part 800: Protection of Historic Properties* and the regulations of the Advisory Council on Historic Preservation governing the Section 106 review process. Please provide a written determination of affect and evaluate whether further actions are warranted at the site at this time. If you require addition information, please contact our office at (609) 655-0692 x316.

Sincerely,

Suzanne B. Derrick  
Architectural Historian

cc. Lorraine Pennino, Dewberry-Goodkind, Inc.

enc.

As proposed, the project will not adversely affect historic properties. Pursuant to 800.5(c), if no consulting parties object to this finding within the 30 day review period, the project may proceed, as proposed, unless resources are discovered during project implementation, pursuant to 800.13.

Dorothy P. Guzzo  
Deputy State Historic Preservation Officer

7/1/04  
Date

RICHARD GRUBB & ASSOCIATES, INC.  
CULTURAL RESOURCE CONSULTANTS  
66 NORTH MAIN STREET  
CRANBURY, NEW JERSEY 08512  
(609) 655-0692

## **Attachment 11. Photographs**

*Except in cases where no Historic Properties were identified within the Areas of Potential Effects, submit photographs as described below. Photographs should be in color, marked so as to identify the project, keyed to the relevant map (see Item 12 below) or text, and dated; the focal length of the lens should be noted. The source of any photograph included but not taken by the Applicant or its consultant (including copies of historic images) should be identified on the photograph.*

- a. Photographs taken from the tower site showing views from the proposed location in all directions. The direction (e.g., north, south, etc.) should be indicated on each photograph, and, as a group, the photographs should present a complete (360 degree) view of the area around the proposed tower.*
- b. Photographs of all listed and eligible properties within the Areas of Potential Effects.*
- c. If any listed or eligible properties are visible from the proposed tower site, photographs looking at the tower site from each historic property. The approximate distance in feet (meters) between the site and the historic property should be included.*
- d. Aerial photos of the APE for visual effects, if available.*

<p>The subject property is an active military installation. No photographs were permitted on the subject property.</p>
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Applicant's Name: Verizon Wireless  
Project Name: Jefferson 3  
Project Number: \_\_\_\_\_

Attachment 11. Photographs Continued



Aerial photo showing the project location and surrounding development.

<p><b>E2 Project Management LLC</b>  Colony Plaza 1220 Route 46 Suite 222 Parsippany, NJ 07054 Phone (973) 299-5200 Fax (973) 299-5059</p>	<p><b>Project: H-07-01-117 Jefferson 3</b> Berkshire Trail Jefferson Township Morris County, New Jersey <b>Aerial Photo: Google Earth 2007</b></p>
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Applicant's Name: Verizon Wireless  
Project Name: Jefferson 3  
Project Number: \_\_\_\_\_

**Attachment 12. Maps**

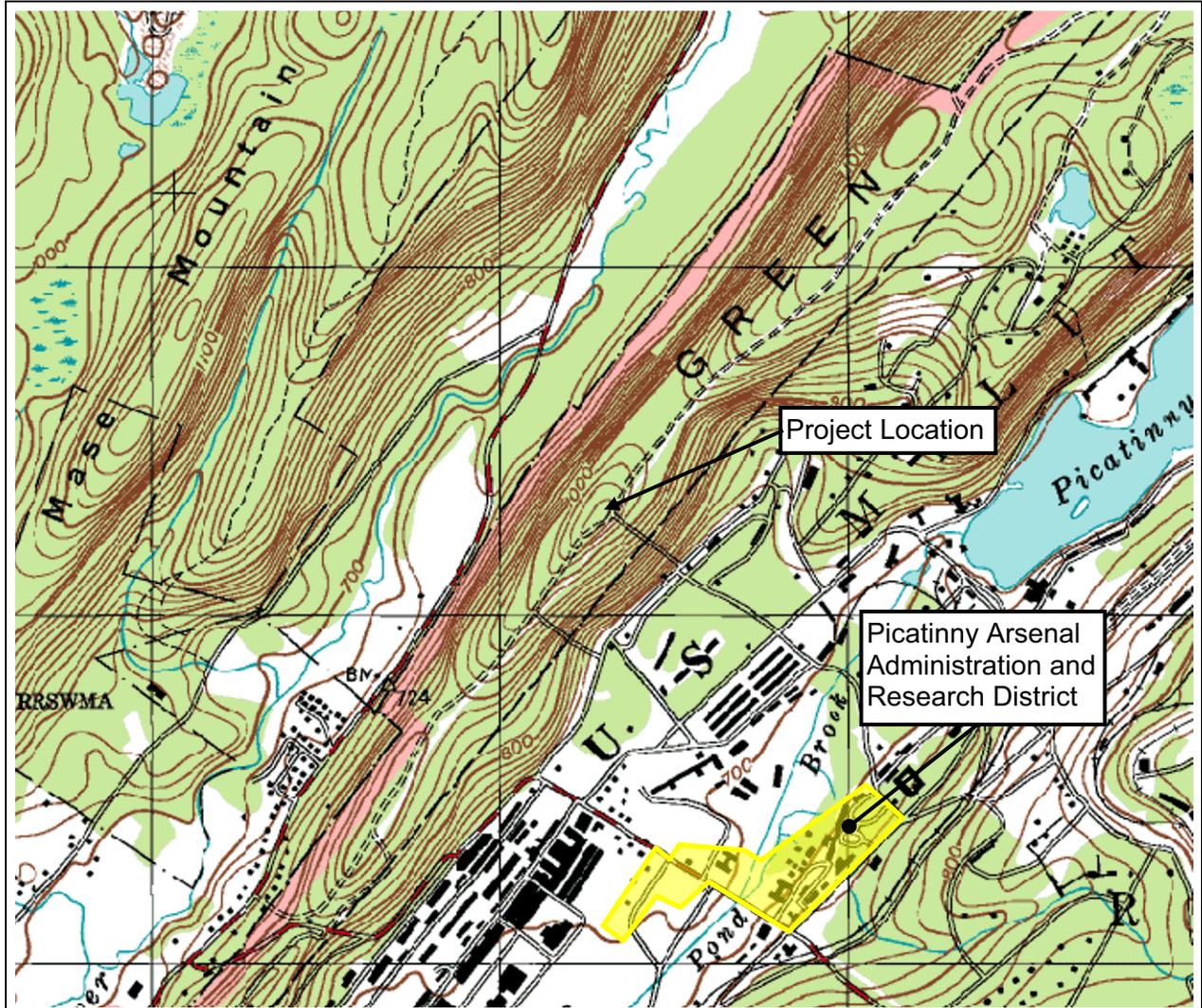
*Include one or more 7.5-minute quad USGS topographical maps that:*

- a. Identify the Areas of Potential Effects for both direct and visual effects. If a map is copied from the original, include a key with name of quad and date.*
- b. Show the location of the proposed tower site and any new access roads or other easements including excavations.*
- c. Show the locations of each property listed in Attachments 8 and 9.*
- d. Include keys for any symbols, colors, or other identifiers.*

Please see attached figures.

Applicant's Name: Verizon Wireless  
Project Name: Jefferson 3  
Project Number: \_\_\_\_\_

Attachment 12. Maps Continued

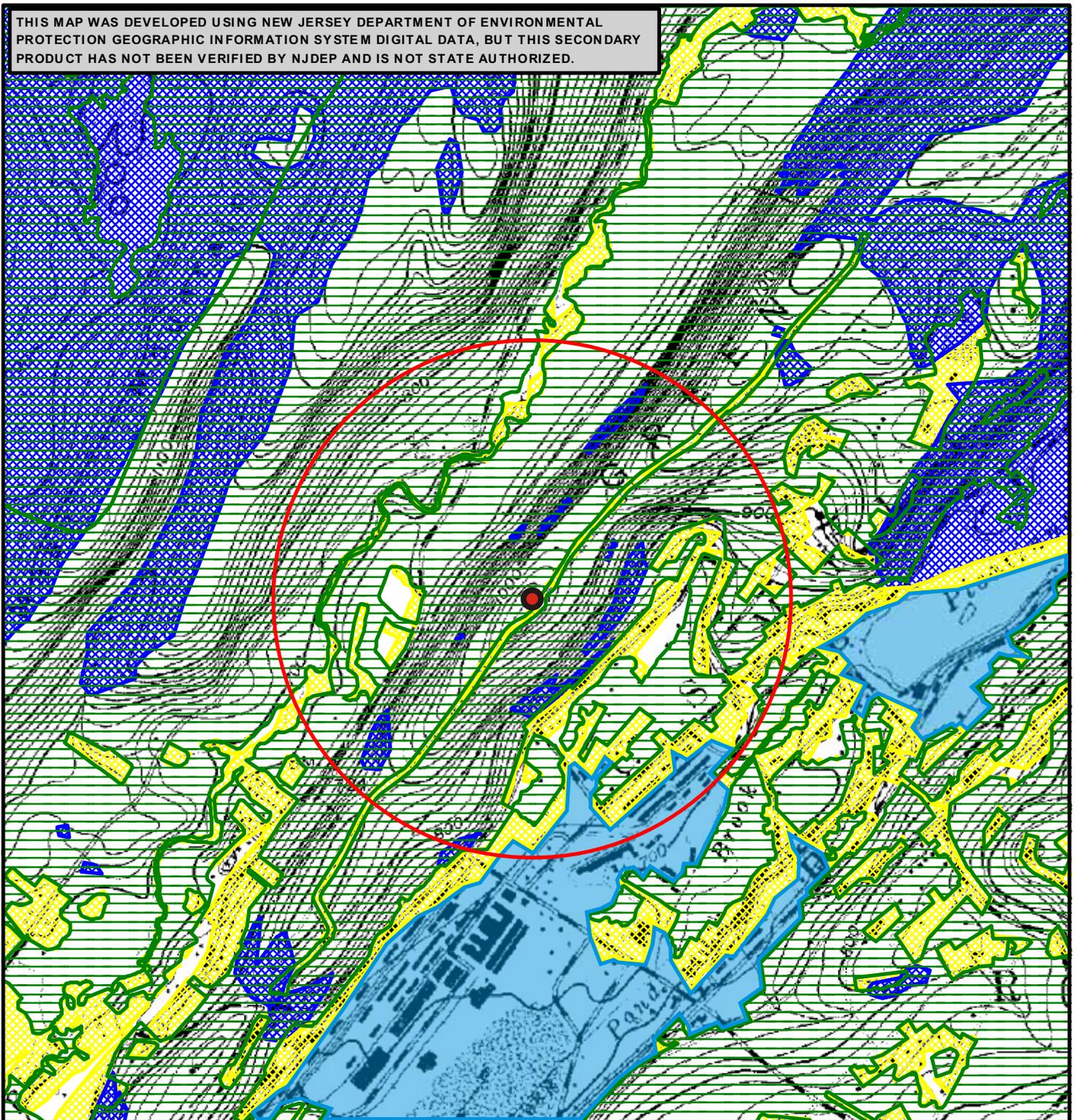


USGS Quadrangle showing the project location and location of identified resources in the APE.

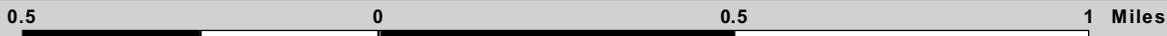
<p><b>E2 Project Management LLC</b></p>  <p>Colony Plaza 1220 Route 46 Suite 222 Parsippany, NJ 07054</p> <p>Phone (973) 299-5200 Fax (973) 299-5059</p>	<p><b>Project: H-07-01-117</b> Jefferson 3 Berkshire Trail Jefferson Township Morris County, New Jersey</p> <p><b>Figure 1: USGS Topographic Map</b></p>
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Applicant's Name: Verizon Wireless  
 Project Name: Jefferson 3  
 Project Number:

THIS MAP WAS DEVELOPED USING NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION GEOGRAPHIC INFORMATION SYSTEM DIGITAL DATA, BUT THIS SECONDARY PRODUCT HAS NOT BEEN VERIFIED BY NJDEP AND IS NOT STATE AUTHORIZED.



-  PROPOSED TOWER AND ONE-HALF MILE BUFFER
-  TOPOGRAPHICALLY NOT-VISIBLE
-  FORESTED AREAS
-  NON-FORESTED AREAS - NOT VISIBLE DUE TO FORESTED AREAS
-  APE VISUAL EFFECTS



**E2 Project Management LLC**  
  
 Colony Plaza  
 1220 Route 46  
 Suite 222  
 Parsippany, NJ 07054  
 Phone (973) 299-5200 Fax (973) 299-5059

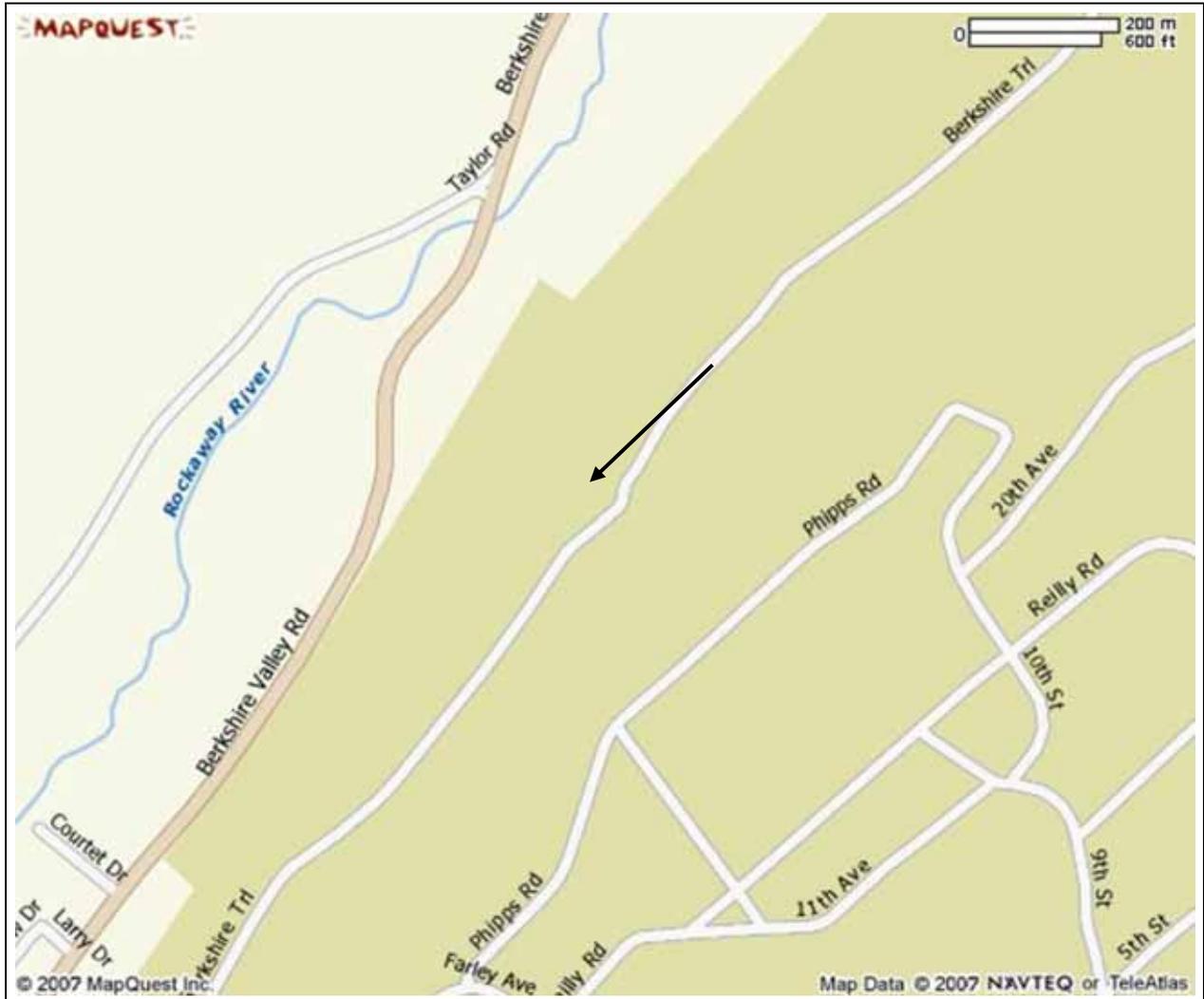


Tower Location (NAD 83):  
 Lat: 40 57' 00.8"  
 Long: -74 34' 07.4"

**VIEWSHED**  
 Based on 150' Tower and 60' Trees

Applicant's Name: Verizon Wireless  
 Project Name: Jefferson 3  
 Project Number: \_\_\_\_\_

Attachment 12. Maps Continued



Road map of the project vicinity. Arrow indicates the project location.

<p><b>E2 Project Management LLC</b>                    Colony Plaza                  1220 Route 46                  Suite 222                  Parsippany, NJ 07054                  Phone (973) 299-5200 Fax (973) 299-5059</p>	<p><b>Project: H-07-01-117 Jefferson 3</b>                  Berkshire Trail                  Jefferson Township                  Morris County, New Jersey  <b>Figure 3: Road Map, MapQuest, Inc., 2007</b></p>
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Applicant's Name: Verizon Wireless  
 Project Name: Jefferson 3  
 Project Number:

## Attribution and Bibliographic Standards.

*All reports included in the Submission Packet should be footnoted and contain a bibliography of the sources consulted.*

**a.** *Footnotes may be in a form generally accepted in the preparer's profession so long as they identify the author, title, publisher, date of publication, and pages referenced for published materials. For archival materials/documents/letters, the citation should include author, date, title or description and the name of the archive or other agency holding the document.*

**b.** *A bibliography should be appended to each report listing the sources of information consulted in the preparation of the report. The bibliography may be in a form generally accepted in the preparer's profession.*

Acroterion. "Morris County Cultural Resources Survey." Municipal Survey prepared for the Morris County Heritage Commission, 1987. Available at the New Jersey Historic Preservation Office.

Guzzo, Dorothy. "Picatinny Arsenal Administration and Research District." SHPO Letter of Opinion, 1999. Available at the New Jersey Historic Preservation Office.

New Jersey Historic Preservation Office. Dover, NJ SR/NR and CRM Quadrangles. Accessed 9 November 2007.

Panamerican Consultants, Inc. "Definition of Historic Districts for Picatinny Arsenal, Morris County, New Jersey." Cultural Resource Investigation, 1999. Available at the New Jersey Historic Preservation Office.

Richard Grubb & Associates, Inc. "Section 106 Consultation, Omnipoint Communications, Inc., Picatinny Arsenal, Rockaway Township, Morris County, New Jersey." Section 106 Consultation, 2004. Available at the New Jersey Historic Preservation Office (MOR AA 534).

Wolfe, Peter E. *The Geology and Landscapes of New Jersey*. Crane, Russak & Company, New York, New York 1977.

Applicant's Name: Verizon Wireless  
Project Name: Jefferson 3  
Project Number: \_\_\_\_\_