

# National Environmental Policy Act (NEPA) Screening Report

Prepared for:

T-Mobile Northeast LLC  
c/o Ms. Amy English  
HPC Development, LLC  
46 Mill Plain Road, 2nd Floor  
Danbury, CT 06811



**CTNL801A / AMTRAK OLD  
LYME 2**

**61-1 Buttonball Road  
Old Lyme, Connecticut, 06405**

EBI Project No. 61087700

Site Report Date: September 30, 2009

September 30, 2009

Mr. Hans Fiedler  
T-Mobile Northeast LLC  
c/o Ms. Amy English  
HPC Development, LLC  
46 Mill Plain Road, 2nd Floor  
Danbury, CT 06811

**Subject: National Environmental Policy Act (NEPA) Screening Report  
CTNL801A / Amtrak Old Lyme 2  
61-1 Buttonball Road, Old Lyme, Connecticut  
EBI Project #61087700**

Dear Mr. Fiedler:

Attached please find our *National Environmental Policy Act (NEPA) Screening Report* (the “*Report*”) for the proposed telecommunications installation at the address noted above (the “*Subject Property*”). The purpose of this *Report* is to evaluate the above-referenced property for environmental and historical concerns specified by the Federal Communications Commission (FCC) in 47 CFR 1.1307, T-Mobile Northeast, LLC’s scope-of-work, and general industry standards.

The Subject Property, known as CTNL801A / Amtrak Old Lyme 2, consists of an approximately 2.53-acre lot that is improved with a single-story, 15,000+ gross square foot, commercial building occupied by America’s Game (indoor batting cages) that was constructed in 2006. Other site amenities include asphalt pavement, modest landscaping and unimproved heavily vegetated land. The project site is located east of the existing building, south of the railroad right-of-way.

As of the date of this *Report*, T-Mobile Northeast LLC, a Delaware limited liability company, as successor-in-interest to Omnipoint Communications, Inc., a Delaware corporation (hereinafter “T-Mobile”) proposes to construct an un-manned telecommunications facility consisting of a 100-foot monopole with 9 antennas collocated at a centerline height of 97.9 feet on the tower. T-Mobile also proposes to place equipment cabinets on a 10-foot by 15-foot concrete slab within a 50-foot by 50-foot fenced compound on a 75-foot by 75-foot lease area. T-Mobile will run utility conduits underground commencing from the paved parking lot traversing east toward the Project Site.

Please find the attached National Environmental Policy Act (NEPA) Checklist, NEPA Summary Report, and associated documentation for the above referenced site. Based upon the results of our assessment, it appears that the proposed installation will not adversely impact any of the criteria as outlined in 1.1307(a) items (1) through (8) and preparation of an Environmental Assessment (EA) is not required.

Thank you for the opportunity to prepare this *Report*, and assist you with this project. Please call us if you have any questions or if we may be of further assistance.

Respectfully Submitted,



Ms. Amber Courselle  
Author/Environmental Scientist



Mr. Michael Chun  
Reviewer/Program Director  
Direct# (646) 789-9206

- Appendix A – NEPA Checklist
- Appendix B – FCC NEPA Summary Report
- Appendix C – Figures, Drawings, and Maps
- Appendix D – NPA Checklist and SHPO Correspondence
- Appendix E – Tribal Correspondence
- Appendix F – Land Resources Map
- Appendix G – Federal and State Fish and Wildlife Service Correspondence
- Appendix H – Wetlands Map
- Appendix I – FEMA Floodplain Map

**APPENDIX A**  
**NEPA CHECKLIST**

	Site type ( <i>choose one</i> ): <input checked="" type="checkbox"/> Raw land <input type="checkbox"/> Tower colo <input type="checkbox"/> Other colo <input type="checkbox"/> Tower Replacement	Site ID: CTNL801A / Amtrak Old Lyme 2	Site Address: 61-1 Buttonball Road, Old Lyme, Connecticut
---	--	---	---

### NEPA Land Use Screening Checklist

FCC NEPA Category	Consulting Agency to Contact	Check appropriate boxes below			
		No Adverse Impact	Potential Adverse Impact	Exempt from Review	NPA Applies
Designated Wilderness Areas	National Park Service, US Forest Service, Bureau of Land Management (BLM)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Designated Wildlife Preserves	National Park Service, US Forest Service, BLM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Threatened or Endangered Species & Critical Habitats	US Fish & Wildlife Service - Field Office (USF&WS)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Historic Places	State Historic Preservation Officer (SHPO), Tribal Historic Preservation Officer (THPO)	<input checked="" type="checkbox"/> SHPO consultation completed	<input type="checkbox"/>	<input type="checkbox"/>	Collocation Agreement applies: <input type="checkbox"/> Nationwide Agreement Exclusion applies: <input type="checkbox"/>
Indian Religious Sites	American Indian Tribes, Bureau of Indian Affairs	<input checked="" type="checkbox"/> Tribal consultation completed	<input type="checkbox"/>	<input type="checkbox"/>	Collocation Agreement applies: <input type="checkbox"/> Nationwide Agreement Exclusion applies: <input type="checkbox"/>
Floodplain	Federal Emergency Management Agency (FEMA)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wetlands & Surface Waterways	USF&WS NWI Maps US Army Corps of Engineers (ACOE)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Signature: Amber L. Courselle Company: EBI Consulting

Print name: Amber Courselle Date: September 30, 2009

**APPENDIX B**  
**FCC NEPA SUMMARY REPORT**

**FCC NEPA Summary Report  
(47 CFR Subpart 1, Chapter 1, Sections 1.1301-1.1319)**

	Site type ( <i>choose one</i> ): <input checked="" type="checkbox"/> Raw land <input type="checkbox"/> Tower colo <input type="checkbox"/> Other colo <input type="checkbox"/> Tower Replacement	Site ID: CTNL801A / Amtrak Old Lyme 2	Site Address: 61-1 Buttonball Road, Old Lyme, Connecticut
---	--	---	---

**1. Is the antenna structure located in an officially designated wilderness area?**

According to a review of the Land Resources Map (Appendix F) and the Department of Agriculture's list of wilderness areas (<http://www.wilderness.net/index.cfm?fuse=NWPS>), the Project Site is not located in an officially designated wilderness area. In addition, according to EBI's review of available on-line resources, the Project Site is not located in a National Park ([www.nps.gov/gis](http://www.nps.gov/gis)), NPS Interactive Map Center), a designated Scenic and Wild River (<http://www.rivers.gov/wildriverslist.html>), a land area managed by the Bureau of Land Management ([www.blm.gov/nhp/facts/index.htm](http://www.blm.gov/nhp/facts/index.htm)), or within ¼ mile of a National Scenic Trail as identified by the National Park Service ([http://www.nps.gov/ncrc/programs/nts/nts\\_trails.html](http://www.nps.gov/ncrc/programs/nts/nts_trails.html)).

**2. Is the antenna structure located in an officially designated wildlife preserve?**

According to a review of the Land Resources Map (Appendix F), the Project Site is not located in an officially designated wildlife preserve. In addition, according to EBI's review of available on-line resources, the Project Site is not located in a US Fish and Wildlife Service National Wildlife Refuge (<http://www.fws.gov/refuges/refugeLocatorMaps/index.html>).

**3. Will the antenna structure likely affect threatened or endangered species or designated critical habitats? (Ref. 50 CFR Part 402)**

According to a review of the Land Resources Map (Appendix F), no identified threatened or endangered species habitats or designated critical habitats are located in the vicinity of the Project Site.

EBI reviewed the Connecticut Department of Environmental Protection Natural Diversity Data Base (NDDB) map (Appendix G), which represents approximate locations of endangered, threatened and special concern species and significant natural communities in Connecticut. The NDDB maps are intended to be a pre-screening tool to identify potential impacts to state-listed species. Shaded areas on the NDDB maps depict approximate locations of state and federal listed species and significant natural communities. If a project falls within a shaded area, the applicant must submit an Environmental Review Request Form, a map, and a project description to the NDDB for further review.

Inasmuch as the Project Site is not located within a shaded area on the NDDB map, further consultation is not required.

Additionally based upon the proposed design (monopole) and height (under 250 feet AGL) it is unlikely that the proposed telecommunications installation would adversely impact migratory bird species protected under the Migratory Bird Treaty Act and the Endangered Species Act. Therefore, EBI concludes that the proposed project is unlikely to affect threatened or endangered species.

**4. Will the antenna structure affect districts, sites, buildings, structures, or objects significant in American history, architecture, archeology, engineering, or culture that are listed, or potentially eligible for listing in the National Register of Historic Places (NRHP)? (Ref. 36 CFR Part 800 regulations implementing Section 106 of the National Historic Preservation Act).**

EBI reviewed the proposed project plans against the Exclusions of the *Nationwide Programmatic Agreement Regarding the Section 106 National Historic Preservation Act Review Process* (NPA). EBI concluded that the proposed tower construction does not meet any of the Exclusions listed in Section III of the NPA. Therefore, consultation with the Connecticut State Historic Preservation Officer (SHPO) was required.

Based on EBI's review of files online at the National Register Information System ([www.nr.nps.gov](http://www.nr.nps.gov)), Connecticut SHPO, and the map of Known Cultural Resources provided by Heritage Consultants, LLC, no Historic Properties were identified within the ½-mile Area of Potential Effect (APE) for visual effects of the proposed tower.

Dr. Christine Kimbrough, Senior Archaeologist with EBI Consulting, completed an evaluation of the proposed Project Site for the likelihood of containing archeological resources within the APE for direct effects. This evaluation concluded that archeological resources are not expected to be impacted by the construction of the proposed tower and installation of associated support equipment at the Project Site.

EBI submitted project plans, the results of the archaeological evaluation, and a request for comment on FCC Form 620 to the Connecticut SHPO on August 26, 2009, with our determination, stating that “the proposed undertaking will have no effect on historic, architectural, or archeological resources listed or eligible for the National Register of Historic Places.” In correspondence dated August 28, 2009, the Connecticut SHPO concurred with our determination and under the condition that a Phase I Archaeological Literature Review and Sensitivity Assessment be completed and submitted to their office. Please refer to Appendix D for copies of this correspondence.

A Phase I Archaeological Literature Review and Sensitivity Assessment was conducted by Christine Kimbrough, PhD, RPA and Vanessa Sullivan on August 7, 2009, in partial fulfillment of Section 106 of the National Historic Preservation Act of 1966, and in accordance with state guidelines (Connecticut State Historic Preservation Office). This report concluded that, despite its location in a potentially productive landscape, all soil test pits were negative, and the non-homogenous soil profiles confirmed that the site has been previously disturbed. Accordingly, EBI recommended that no further archaeological work be conducted in conjunction with the present project. This report was submitted to SHPO in fulfillment of their conditional No Effect determination. As such, no further Section 106 consultation is required.

In the unlikely event that unanticipated Historic Properties, cultural artifacts, archeological deposits, or human remains are inadvertently encountered during the proposed construction and associated excavation activities, *T-Mobile* must halt activities immediately and contact the appropriate local officials and state agencies, in accordance with Federal and State regulations (36 CFR 800.13(b)).

#### 5. Will the antenna structure affect Indian religious site(s)

Based on the requirements of the *Nationwide Programmatic Agreement Regarding the Section 106 National Historic Preservation Act Review Process (NPA)*, Tribal consultation was required for this project because the proposed tower construction did not meet Exclusions A, B, C or F of the NPA.

EBI submitted documentation regarding the proposed project to the FCC's Tower Construction Notification System (TCNS). On November 28, 2008 the FCC's TCNS sent the project information to Tribes listed on their database who have interest in the state in which the project is planned. Additionally, EBI submitted follow-up requests for comment to each of the Tribes indicated by the TCNS to have a potential interest in the area of the project.

Tribal communication to date for this project is summarized in the following table.

#	Tribe Name	Initial Notification (via TCNS)	Response to Initial Contact	Second Contact Attempt	Response to Second Attempt	Third Contact Attempt	Response to Third Attempt	Action Recommended
1	Mashantucket Pequot Tribe	November 28, 2008	December 1, 2008 – requested archaeological survey	June 23, 2009	August 21, 2009 – No Further Action	NA	NA	No Further Action
2	Narragansett Indian Tribe	November 28, 2008	December 1, 2008- initiating consultation	June 26, 2009 (USPS Priority Mail)	None	Final 10 day letter sent August 3, 2009 (USPS Priority Mail)	No Response within 10 days	No Further Action

In the unlikely event that unanticipated Historic Properties, cultural artifacts, archeological deposits, or human remains are inadvertently encountered during the proposed construction and associated excavation activities, *T-Mobile* must halt activities immediately and contact the appropriate tribal governments, local officials and state agencies, in accordance with Federal and State regulations (36 CFR 800.13(b)).

Note: The Narragansett Indian Tribe has indicated that they have an interest in commenting on all proposed projects located within the State of Connecticut. The Narragansett Indian Tribe was provided a copy of the project plans and a required Tribal review fee of \$1,000, to review the proposed project on November 28, 2008. Following a period of over 30 days from the date of the first contact attempt, during which they did not comment, EBI forwarded a second follow-up letter dated June 26, 2009 to the Tribe. Following an additional period of over 10 days, during which no response was received, EBI forwarded a third follow-up letter to the Tribe. This letter, dated August 3, 2009, indicated that two good faith efforts had been made over a period of over 45 days to consult with the Tribe, and that should still no response be received within 10 days of receipt of this second follow-up letter, *T-Mobile* will conclude the Tribe has no further interest in consulting on the proposed project. Inasmuch as no comment was received within 10 days, EBI concludes that the Tribe has no further interest in consulting on the proposed project.

Correspondence between EBI and the Tribes that includes copies of the Tower Construction Notification System emails, follow-up correspondence, and Tribal responses are appended to this *Report* (Appendix E).

**6. Will the antenna structure be located in a floodplain? (Ref. Executive Order 11988 and 40 CFR Part 6, Appendix A)**

According to the FEMA Flood Insurance Rate Map data for (Community Map 090103, Panel 0016D) included on the Land Resources Map (Appendix F), the Project Site is not located within a 100-year floodplain. A review of the Flood Insight Flood Zone determination (Appendix I) confirmed that the Project Site is not located within a floodplain.

**7. Will construction of the antenna structure involve significant change in surface features (e.g. wetlands, deforestation, or water diversion)? (Ref. Executive Order 11990 and 40 CFR Part 6, Appendix A)**

It is EBI's opinion that no documented or potential wetlands are located at or adjacent to the proposed tower based upon the following facts:

- Limited or no hydric vegetation was observed at the tower site and soils were noted to be disturbed and compacted. Additionally, no surface water was observed at the proposed tower site aside from standing rainwater.
- According to the Fish and Wildlife Service National Wetlands Inventory (NWI) information, which is included on the Land Resources Map, no mapped wetlands are located at or within close proximity to the proposed tower site. The nearest documented wetlands areas are small ponds located approximately 150-feet east and 180 feet south of the Project Site.
- The 1984 United States Department of Agriculture's Soil Survey (<http://ims.goebi.com/>) of New Haven County, Connecticut, indicates that the soils in the area of the Subject Property are Hinckley gravelly sandy loam. This soil group is not classified as hydric.

The area proposed to be occupied by T-Mobile consists of unimproved cleared land utilized for parking. The proposed construction plans do not call for the removal of mature trees; therefore, the proposed installation will not result in deforestation. According to the proposed construction plans and onsite observations, surface water body diversion will not occur.

**8. Is the antenna structure located in a residential neighborhood and required to be equipped with high intensity white lights?**

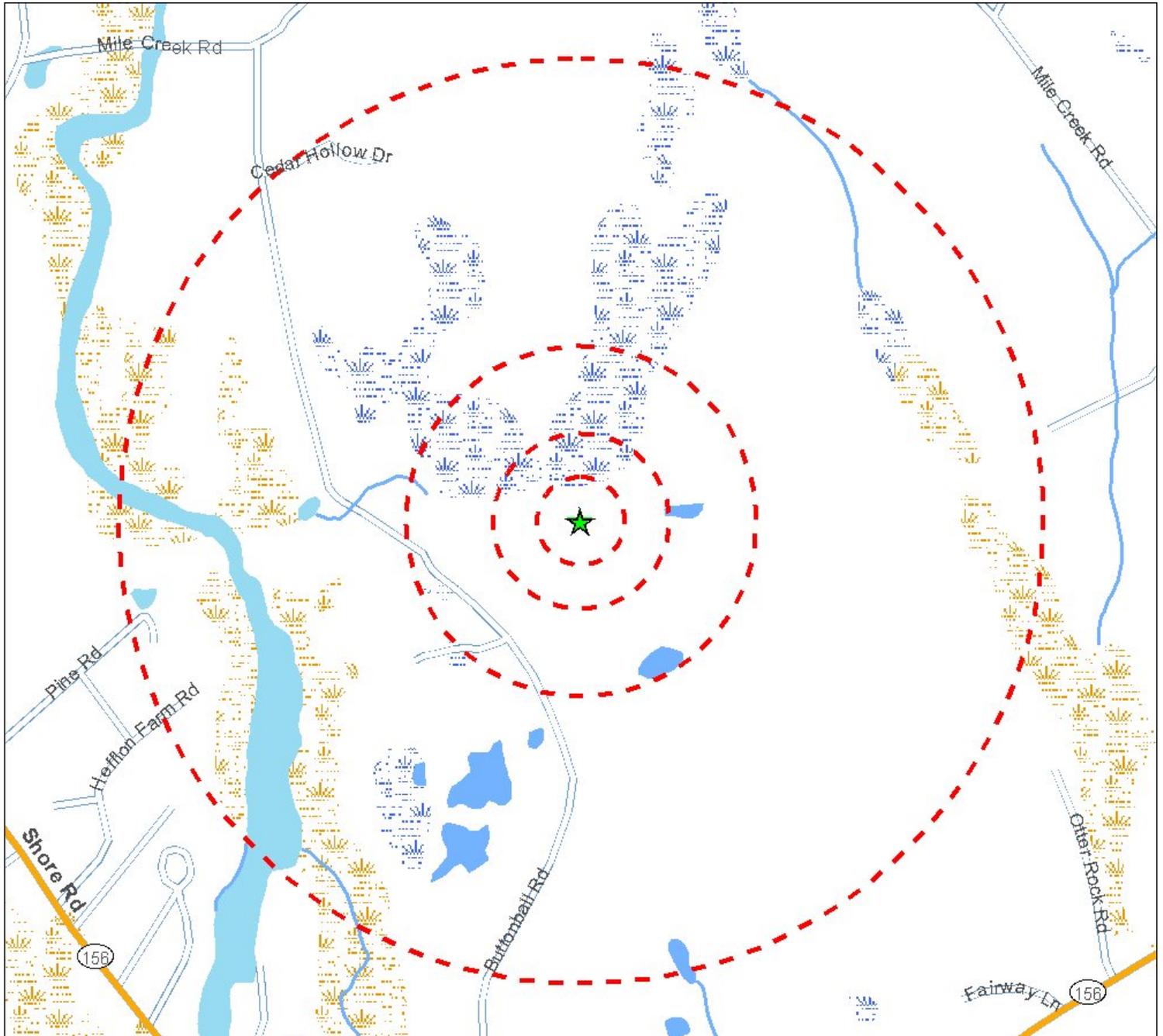
According to client representatives and site plans, the proposed installation will not include high intensity white lights and be located in a residential neighborhood.

**9a. Will the antenna structure equal or exceed total power (of all channels) of 2000 Watts ERP (3280 EIRP) and have antenna located less than 10 meters above the ground?**

**9b. Will the rooftop antenna project equal or exceed total power (of all channels) of 2000 Watts ERP (3280 EIRP)?**

An evaluation to determine whether radiofrequency (RF) emissions standards are met was not included as part of this *Report*. EBI understands that client representatives will evaluate the project to ensure compliance with applicable RF standards.

**APPENDIX C**  
**FIGURES, DRAWINGS, AND MAPS**



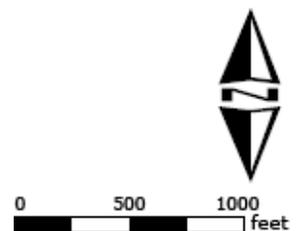
Legend

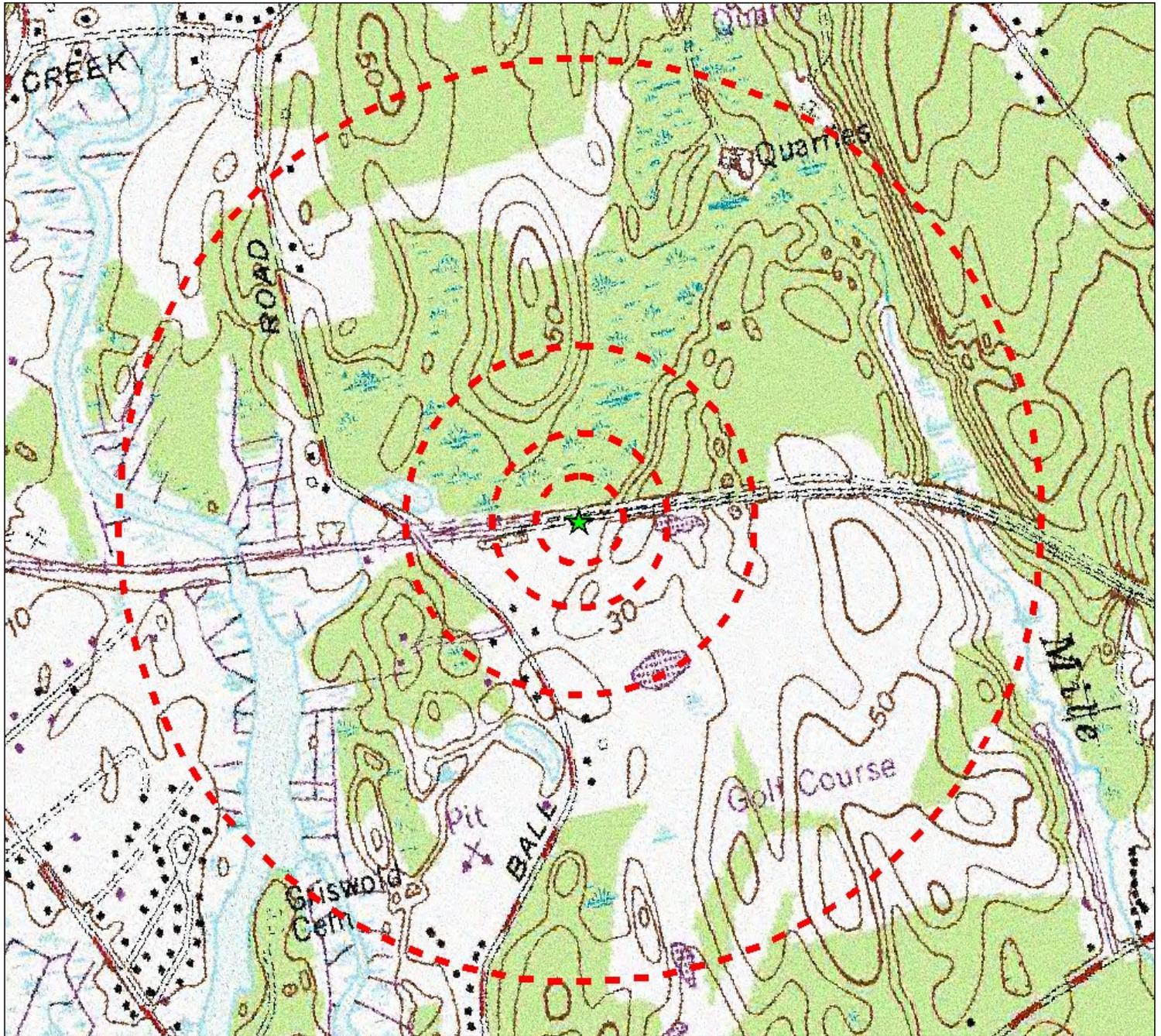
- ★ Project Site
- ▭ Site Buffer at 250', 500', 1000' and 1/2 mile

Source: Selected data from ESRI, EBI and NWI

Figure 1 - Site Location Map

CTNL801A/Amtrak Old Lyme 2  
61-1 Buttonball Road  
Old Lyme, CT 06371-1757





Legend

- ★ Project Site
- ▭ Site Buffer at 250', 500', 1000' and 1/2 mile

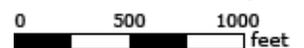
USGS 24k Quad: Old Lyme, CT 1971

Source: Selected data from ESRI, EBI and USGS

Figure 2 - USGS Quad Location Map

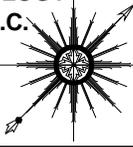
CTNL801A/Amtrak Old Lyme 2  
 61-1 Buttonball Road  
 Old Lyme, CT 06371-1757

PN: 61087700



**ALL-POINTS TECHNOLOGY CORPORATION, P.C.**

3 SADDLEBROOK DRIVE  
KILLINGWORTH, CT. 06419  
PHONE: (860)-663-1697  
FAX: (860)-663-0935  
www.allpointstech.com



**APT FILING NUMBER: CT-255T-380**

LE-1

SCALE: AS NOTED

DRAWN BY: AAJ

DATE: 11/16/08

CHECKED BY: SMC

**T-Mobile**

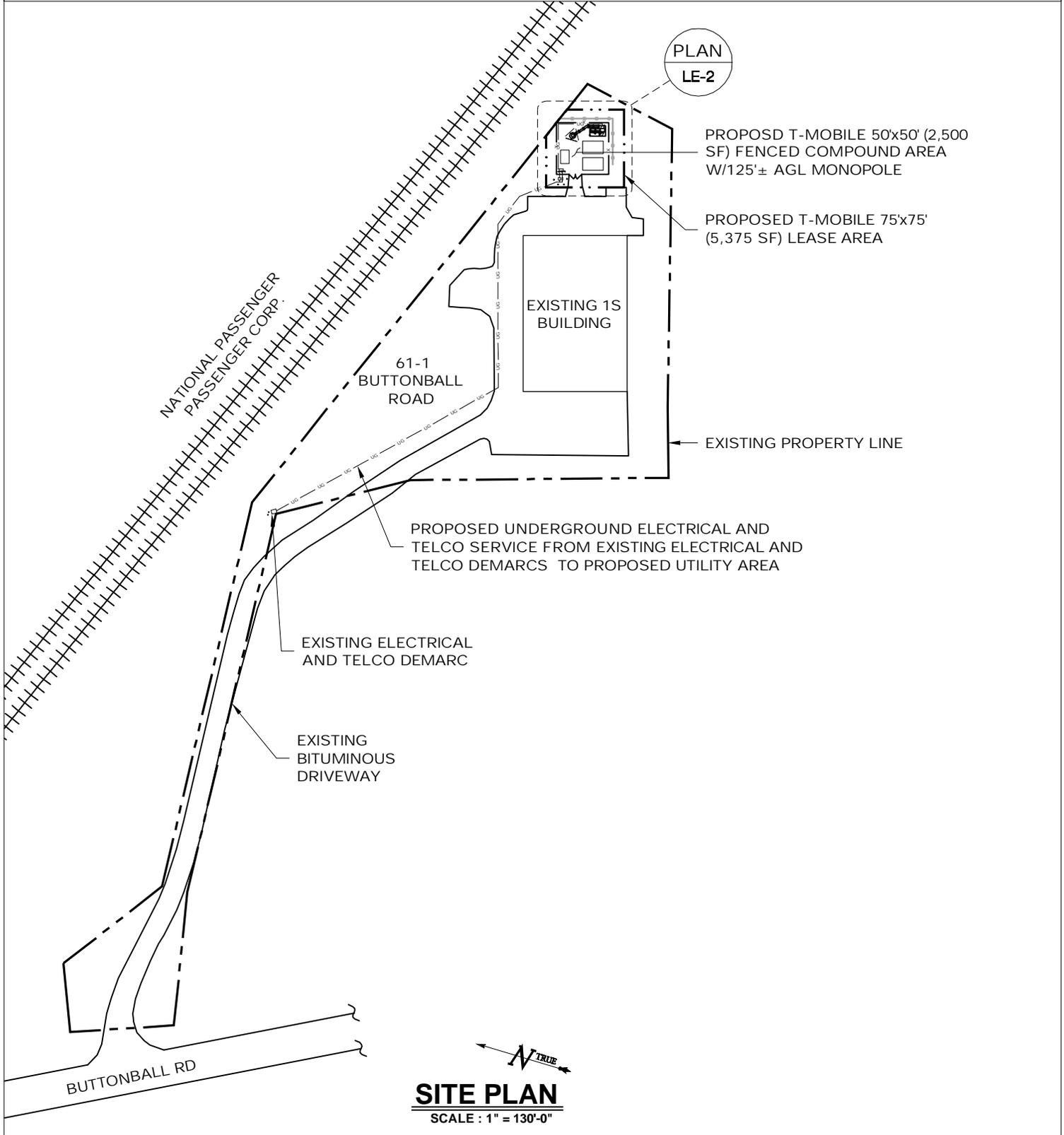
35 GRIFFIN ROAD  
BLOOMFIELD, CT 06002  
OFFICE: (860)-692-7100

**T-MOBILE SITE NUMBER  
CTNL801A**

**AMTRAK OLD LYME 2  
61-1 BUTTONBALL ROAD  
OLD LYME, CT 06371-1757**

**NOTE:**

PER FCC MANDATE, ENHANCED EMERGENCY (E911) SERVICE IS REQUIRED TO MEET NATIONWIDE STANDARDS FOR WIRELESS COMMUNICATIONS SYSTEMS. OMNIPONT COMMUNICATIONS INC. IMPLEMENTATION REQUIRES DEPLOYMENT OF EQUIPMENT AND ANTENNAS GENERALLY DEPICTED ON THIS PLAN, ATTACHED TO OR MOUNTED IN CLOSE PROXIMITY TO THE BTS RADIO CABINETS. OMNIPONT COMMUNICATIONS INC. RESERVES THE RIGHT TO MAKE REASONABLE MODIFICATIONS TO E911 EQUIPMENT AND LOCATION AS TECHNOLOGY EVOLVES TO MEET REQUIRED SPECIFICATIONS. ALL EQUIPMENT LOCATIONS ARE APPROXIMATE AND ARE SUBJECT TO APPROVAL BY OMNIPONT COMMUNICATIONS INC. STRUCTURAL & RF ENGINEERS. LOCATIONS OF POWER & TELEPHONE FACILITIES AND APPLICABLE EASEMENTS ARE SUBJECT TO APPROVAL AS PER UTILITY COMPANIES DIRECTION.

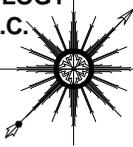


**SITE PLAN**

SCALE: 1" = 130'-0"

**ALL-POINTS TECHNOLOGY CORPORATION, P.C.**

3 SADDLEBROOK DRIVE  
KILLINGWORTH, CT, 06419  
PHONE: (860)-663-1697  
FAX: (860)-663-0935  
www.allpointstech.com



**APT FILING NUMBER: CT-255T-380**

LE-2

SCALE: AS NOTED

DRAWN BY: AAJ

DATE: 11/16/08

CHECKED BY: SMC

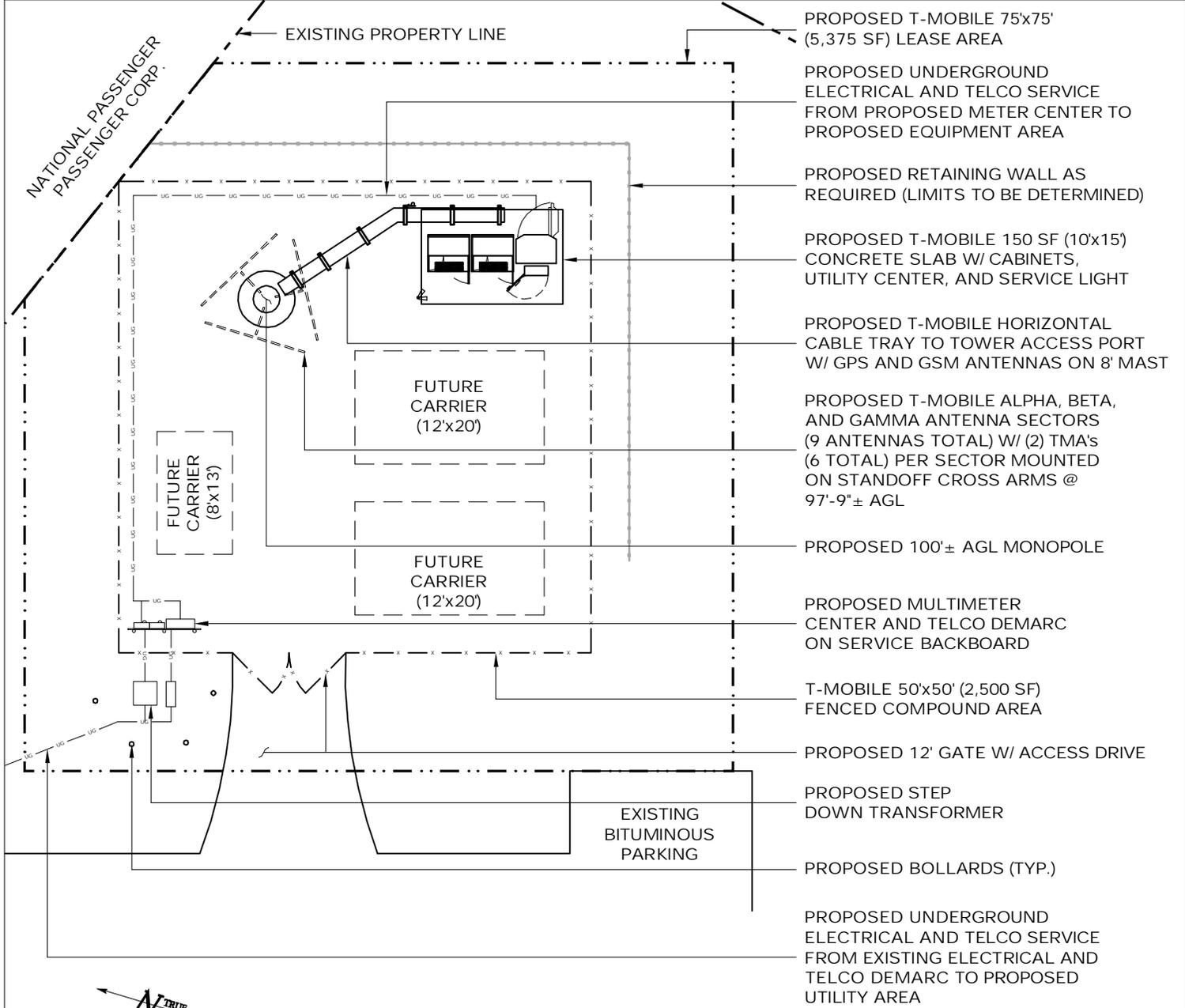


35 GRIFFIN ROAD  
BLOOMFIELD, CT 06002  
OFFICE: (860)-692-7100

**T-MOBILE SITE NUMBER  
CTNL801A**

**AMTRAK OLD LYME 2  
61-1 BUTTONBALL ROAD  
OLD LYME, CT 06371-1757**

NOTE:  
PER FCC MANDATE, ENHANCED EMERGENCY (E911) SERVICE IS REQUIRED TO MEET NATIONWIDE STANDARDS FOR WIRELESS COMMUNICATIONS SYSTEMS. OMNIPOINT COMMUNICATIONS INC. IMPLEMENTATION REQUIRES DEPLOYMENT OF EQUIPMENT AND ANTENNAS GENERALLY DEPICTED ON THIS PLAN, ATTACHED TO OR MOUNTED IN CLOSE PROXIMITY TO THE BTS RADIO CABINETS. OMNIPOINT COMMUNICATIONS INC. RESERVES THE RIGHT TO MAKE REASONABLE MODIFICATIONS TO E911 EQUIPMENT AND LOCATION AS TECHNOLOGY EVOLVES TO MEET REQUIRED SPECIFICATIONS.  
ALL EQUIPMENT LOCATIONS ARE APPROXIMATE AND ARE SUBJECT TO APPROVAL BY OMNIPOINT COMMUNICATIONS INC. STRUCTURAL & RF ENGINEERS. LOCATIONS OF POWER & TELEPHONE FACILITIES AND APPLICABLE EASEMENTS ARE SUBJECT TO APPROVAL AS PER UTILITY COMPANIES DIRECTION.



- PROPOSED T-MOBILE 75'x75' (5,375 SF) LEASE AREA
- PROPOSED UNDERGROUND ELECTRICAL AND TELCO SERVICE FROM PROPOSED METER CENTER TO PROPOSED EQUIPMENT AREA
- PROPOSED RETAINING WALL AS REQUIRED (LIMITS TO BE DETERMINED)
- PROPOSED T-MOBILE 150 SF (10'x15') CONCRETE SLAB W/ CABINETS, UTILITY CENTER, AND SERVICE LIGHT
- PROPOSED T-MOBILE HORIZONTAL CABLE TRAY TO TOWER ACCESS PORT W/ GPS AND GSM ANTENNAS ON 8' MAST
- PROPOSED T-MOBILE ALPHA, BETA, AND GAMMA ANTENNA SECTORS (9 ANTENNAS TOTAL) W/ (2) TMA's (6 TOTAL) PER SECTOR MOUNTED ON STANDOFF CROSS ARMS @ 97'-9"± AGL
- PROPOSED 100'± AGL MONOPOLE
- PROPOSED MULTIMETER CENTER AND TELCO DEMARC ON SERVICE BACKBOARD
- T-MOBILE 50'x50' (2,500 SF) FENCED COMPOUND AREA
- PROPOSED 12' GATE W/ ACCESS DRIVE
- PROPOSED STEP DOWN TRANSFORMER
- PROPOSED BOLLARDS (TYP.)
- PROPOSED UNDERGROUND ELECTRICAL AND TELCO SERVICE FROM EXISTING ELECTRICAL AND TELCO DEMARC TO PROPOSED UTILITY AREA

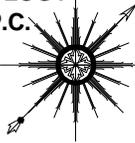


**COMPOUND PLAN**

SCALE: 1/16" = 1'-0"

**ALL-POINTS TECHNOLOGY CORPORATION, P.C.**

3 SADDLEBROOK DRIVE  
KILLINGWORTH, CT, 06419  
PHONE: (860)-663-1697  
FAX: (860)-663-0935  
www.allpointstech.com



**APT FILING NUMBER: CT-255T-380**

LE-3

SCALE: AS NOTED

DRAWN BY: AAJ

DATE: 11/16/08

CHECKED BY: SMC

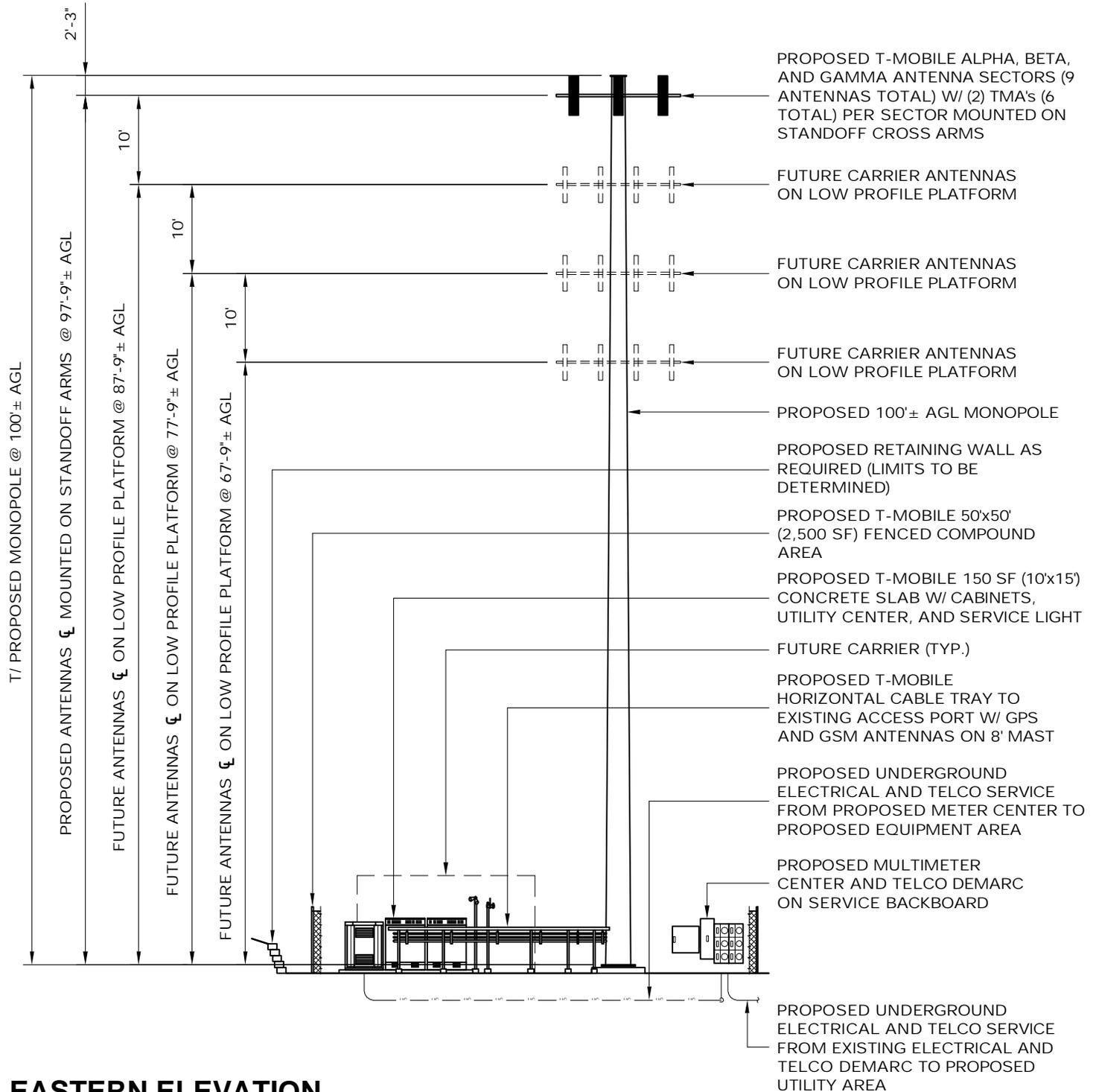


35 GRIFFIN ROAD  
BLOOMFIELD, CT 06002  
OFFICE: (860)-692-7100

**T-MOBILE SITE NUMBER  
CTNL801A**

**AMTRAK OLD LYME 2  
61-1 BUTTONBALL ROAD  
OLD LYME, CT 06371-1757**

NOTE:  
PER FCC MANDATE, ENHANCED EMERGENCY (E911) SERVICE IS REQUIRED TO MEET NATIONWIDE STANDARDS FOR WIRELESS COMMUNICATIONS SYSTEMS. OMNIPPOINT COMMUNICATIONS INC. IMPLEMENTATION REQUIRES DEPLOYMENT OF EQUIPMENT AND ANTENNAS GENERALLY DEPICTED ON THIS PLAN, ATTACHED TO OR MOUNTED IN CLOSE PROXIMITY TO THE BTS RADIO CABINETS. OMNIPPOINT COMMUNICATIONS INC. RESERVES THE RIGHT TO MAKE REASONABLE MODIFICATIONS TO E911 EQUIPMENT AND LOCATION AS TECHNOLOGY EVOLVES TO MEET REQUIRED SPECIFICATIONS.  
ALL EQUIPMENT LOCATIONS ARE APPROXIMATE AND ARE SUBJECT TO APPROVAL BY OMNIPPOINT COMMUNICATIONS INC. STRUCTURAL & RF ENGINEERS. LOCATIONS OF POWER & TELEPHONE FACILITIES AND APPLICABLE EASEMENTS ARE SUBJECT TO APPROVAL AS PER UTILITY COMPANIES DIRECTION.



**EASTERN ELEVATION**

SCALE: 1" = 20' 0"

**APPENDIX D**  
**NPA CHECKLIST AND SHPO CORRESPONDENCE**

**APPLICABILITY OF NATIONWIDE PROGRAMMATIC AGREEMENT FOR REVIEW OF EFFECTS ON HISTORIC PROPERTIES (NPA)**

	Site type ( <i>choose one</i> ): <input checked="" type="checkbox"/> Raw land <input type="checkbox"/> Tower colo <input type="checkbox"/> Other colo <input type="checkbox"/> Tower Replacement	Site ID: CTNL801A / Amtrak Old Lyme 2	Site Address: 61-1 Buttonball Road, Old Lyme, Connecticut
---	--	---	---

- Enhancement of a Tower (Exclusion A)**  
 Yes  No  Will the proposed action consist of a collocation as defined by the NPA?  
 Yes  No  Will the proposed action create a “substantial increase” in the size of the tower?
  
- Construction of a Replacement Tower (Exclusion B)**  
 Yes  No  Can the proposed replacement tower be considered a “substantial increase” in height, mass, or size in relation to the existing tower located at the site?  
 Yes  No  Could the proposed replacement tower increase the boundaries of the owned or leased area surrounding the existing tower by more than thirty feet?  
 Yes  No  Will construction of the proposed replacement tower involve excavation outside of a thirty-foot radius from the edge of owned or leased area or outside existing access or utility easements?  
 Yes  No  If the existing tower was constructed after March 16, 2001, has the tower NOT undergone Section 106 review?
  
- Construction of temporary communications tower or facility (Exclusion C)**  
 Yes  No  Will the temporary installation involve excavation of soils?  
 Yes  No  Will the temporary installation be in operation for more than twenty-four months?
  
- Construction of Tower within strip mall, shopping center, or industrial park (Exclusion D)\***  
 Yes  No  Will the proposed tower be over 200 feet in height?  
 Yes  No  Will the proposed tower be located in a locally designated industrial park, strip mall, or shopping center that occupies less than 100,000 square feet?  
 Yes  No  Is the locally designated industrial park, strip mall, or shopping center located within the boundaries of or within five hundred feet of a historic property?
  
- Construction of a Tower at or near utility transmission corridors (Exclusion E)\***  
 Yes  No  Will the proposed tower be located outside of or beyond fifty feet of a right-of-way designated by Federal, State, local, or Tribal governments as a location for communications towers or utility transmission and distribution lines?  
 Yes  No  Could the proposed tower be considered a “substantial increase” in height, mass, or site in relation to existing towers or utility transmission and distribution lines located that the site?  
 Yes  No  Will the proposed tower be located within the boundaries of a historic property?
  
- Construction of a Tower in a SHPO/THPO permitted zone (Exclusion F)**  
 Yes  No  Will the construction of the tower occur outside of an area designated by the SHPO and/or THPO for the construction of communications towers and associated facilities?

- Collocation of antennas on tower constructed on or before March 16, 2001 (Stipulation IIIA)**  
 Yes  No  Will the collocation result in a substantial increase in the size of the tower?  
 Yes  No  Has the FCC determined that the tower has, or potentially has, an “adverse effect” on historic properties?  
 Yes  No  Is the tower pending environmental review before the FCC involving compliance w/Sec. 106?  
 Yes  No  Has the licensee or tower owner received notification of complaint from the public, SHPO, or Council that the collocation will have an adverse effect on historic properties?
- Collocation of antennas on tower constructed after March 16, 2001 (Stipulation IVA)**  
 Yes  No  Has the tower NOT undergone Section 106 review?  
 Yes  No  Will the collocation result in a substantial increase in the size of the tower?  
 Yes  No  Has the FCC determined that the tower has or will have, or potentially has or will have, an “adverse effect” on historic properties?  
 Yes  No  Has the licensee or tower owner received notification of complaint from the public, SHPO, or Council that the collocation will have an adverse effect on historic properties?
- Collocation of antennas on buildings/non-tower structures (Stipulation VA)**  
 Yes  No  Is the building/structure over 45 years old?  
 Yes  No  Is the building/structure located within a historic district, or located within 250 feet of and visible from the ground level of a historic district?  
 Yes  No  Is the building/structure a National Historic Landmark, or listed or eligible for listing on the National Register of Historic Places?  
 Yes  No  Has the licensee received notification of complaint from the public, SHPO, or Council that the collocation will have an adverse effect on historic properties?

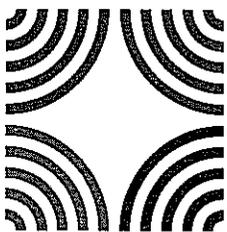
**If any questions were answered “Yes” or if No Exclusions Apply:** The proposed telecommunications installation does not meet the criteria and stipulations set forth in the NPA. Therefore, consultation with the applicable SHPO is required in accordance with 47 CFR Part 1.1301-1.1319 of the Federal Communications Commission regulations. In addition, consultation with any Indian Tribe or NHO that attaches significance to the site or area must be completed.

**If all questions were answered “No”:** The telecommunications installation meets the criteria and stipulations set forth in the NPA. Therefore the telecommunications installation is recognized to have minimal or no adverse effect on historic properties, and review of the project by the applicable SHPO is not required.  
 \*However, for projects meeting Exclusions D or E, consultation with any Indian Tribe or NHO that attaches significance to the site or area must be completed.

*Representatives provided the answers to the above questions to EBI from both the collocation licensee and the tower owner to the best of their actual knowledge and in good faith.*

T-Mobile	Mr. Hans Fiedler	(860) 692-7123	November 24, 2008
FCC Licensee	Contact	Phone number	Date contacted
Connecticut SHPO	Mr. David Bahlman	(860) 256-2763	August 26, 2009
Regulatory Offices	Contact	Phone number	Date contacted

Connecticut Commission on Culture & Tourism



August 28, 2009

Historic Preservation  
and Museum Division

One Constitution Plaza  
Second Floor  
Hartford, Connecticut  
06103

860.256.2800  
860.256.2763 (f)

Ms. Amber Courselle  
EBI Consulting  
21 B Street  
Burlington, MA 01803

Subject: T-Mobile USA Telecommunications Facilities  
61-1 Buttonball Road  
Old Lyme, CT  
EBI #61087700, CTNL801A

Dear Ms. Courselle:

The State Historic Preservation Office has reviewed the above-named project. This office expects that the proposed undertaking will have no effect on historic, architectural, or archaeological resources listed on or eligible for the National Register of Historic Places. This comment is conditional upon EBI Consulting's submission of two bound copies of the *Phase I Archaeological Literature Review and Field Survey* to our professional staff for cultural resource management purposes.

This office appreciates the opportunity to have reviewed and commented upon the proposed undertaking.

This comment is provided in accordance with the National Historic Preservation Act and the Connecticut Environmental Policy Act.

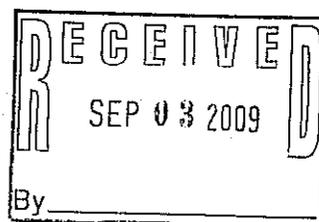
For further information, please contact Dr. David A. Poirier, Staff Archaeologist.

Sincerely,

David Bahlman  
Deputy State Historic Preservation Officer

CONNECTICUT  
www.cultureandtourism.org

An Affirmative Action  
Equal Opportunity Employer



August 26, 2009

Mr. David Poirier, Staff Archaeologist  
Connecticut Commission on Culture and Tourism  
One Connecticut Plaza; Second Floor  
Hartford, CT 06103

**Subject: Submission Packet, FCC Form 620, for proposed New Tower Project**  
CTNL801A / Amtrak Old Lyme 2  
61-1 Buttonball Road, Old Lyme, New London County, Connecticut 06371-1757  
EBI Project Number: 61087700

Dear Mr. Poirier:

In accordance with the Federal Communication Commission (FCC) National Environmental Policy Act (NEPA) rules and Section 106 of the National Historic Preservation Act (NHPA), the above-referenced telecommunications project is being evaluated by EBI for its potential effects to districts, sites, buildings, structures, or objects significant in American history, architecture, archeology, engineering, or culture that are listed, or potentially eligible for listing in the National Register of Historic Places (NRHP). Based on EBI's review of the characteristics and location of the proposed project, the project does not meet the exclusions stated in 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"); therefore, the project is required to undergo Section 106 review with the State Historic Preservation Office.

In accordance with the Nationwide Agreement, please find the attached Submission Packet, FCC Form 620, which presents the details on the proposed project as well as efforts that have been taken to identify, assess, and make determinations of effect on the impacts of the proposed project on Historic Properties.

I would appreciate your review of the data for the proposed project presented above and shown on the attached form and attachments. On behalf of T-Mobile Northeast LLC, a Delaware limited liability company, as successor-in-interest to Omnipoint Communications, Inc., a Delaware corporation (hereinafter T-Mobile), I would appreciate your comments for this proposed telecommunications installation in a letter directed to the address noted above. Please do not hesitate to contact me if you have any questions or concerns about the proposed project or the information contained in this Submission Packet.

Sincerely,



Ms. Amber Courselle  
Architectural Historian

**Federal Communications Commission  
Washington, DC 20554**

**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 \_\_\_\_ 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.

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).

---

<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."

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

NT SUBMISSION PACKET – FCC FORM 620

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

**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: T-Mobile Northeast LLC, a Delaware limited liability company, as successor-in-interest to Omnipoint Communications, Inc., a Delaware corporation

FCC Registration Number (FRN): N/A

Name and Title of Contact Person: Hans Fiedler

Address of Contact Person (including Zip Code): 100 Filley St. Bloomfield, CT 06002

Phone: 860-692-7123 Fax: N/A

E-mail address: hans.fiedler@t-mobile.com

**2. Applicant's Consultant Information**

Full Legal Name of Applicant's Section 106 Consulting Firm: EnviroBusiness Inc. d/b/a EBI Consulting

Name of Principal Investigator: Amber Courselle

Title of Principal Investigator: Architectural Historian

Investigator’s Address: 21 B Street

City: Burlington State: MA Zip Code 01803

Phone: 315-373-5016 Fax: 781-425-5195

E-mail Address: acourselle@ebiconsulting.com

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

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

<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: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB

3060-1039

Estimated Time Per Response:

.5 to 10 hours

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

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):

Dr. Christine Kimbrough, Senior Archaeologist

William Keegan, Historian

Vanessa Sullivan, Field Archaeologist / Research Assistant

3. Collocations and Site Information

a. Street Address of Site: 61-1 Buttonball Road

City or Township: Old Lyme

County / Parish: New London State: CT Zip Code: 06371

b. Nearest Cross Roads: Buttonball Road / Cedar Hollow Drive

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

N 41° 17' 47.3 ”; W 72° 18' 4.4 ”

d. Proposed tower height above ground level:<sup>5</sup> 100 feet; 30.5 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 (For Above Ground Historic Properties):

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.

<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: T-Mobile Northeast, LLC

Project Name: Amtrak Old Lyme 2

Project Number: CTNL801A

NT SUBMISSION PACKET – FCC FORM 620

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

b. Visual Effects (check one):

- i.  No Historic Properties in Area of Potential Effects (“APE”) for visual affects;
- 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.

Certification and Signature

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



\_\_\_\_\_  
Signature

August 26, 2009

\_\_\_\_\_  
Date

Amber Courselle

\_\_\_\_\_  
Printed Name

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: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

NT SUBMISSION PACKET – FCC FORM 620

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

**Attachments**

Provide the following attachments in this order and numbered as follows:

Attachment 1. Résumés / 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.

A current copy of the résumé 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 is attached.

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

**SUMMARY OF EXPERIENCE**

With EBI Consulting, Ms. Courselle is an Architectural Historian, meeting the Secretary of the Interior's Technical Qualification Standards for History and Architectural History. She specializes in conducting cultural resources surveys and assessing National Register eligibility of historic structures and sites as part of the National Environmental Policy Act and National Historic Preservation Act compliance processes. Prior to working at EBI, Ms. Courselle's four years of professional experience have included employment with cultural resource management and engineering firms, where she completed several cultural resources surveys and documentation for a variety of project types including historic property evaluations, NRHP nominations, building documentation and historic context studies.

Ms. Courselle now focuses on Federal Communications Commission Section 106 projects for EBI's wireless industry clients.

**RELEVANT PROJECT EXPERIENCE**

University of Kentucky, Master's Project – Historic context study of a mid-twentieth century segregated residential subdivision in New Orleans, LA.

University of Kentucky's Center for Historic Architecture and Preservation – As a research assistant, co-authored a historic context study of Central Kentucky Historic Farms and co-authored a National Register of Historic Places Boundary Expansion application.

Hanover County, VA – Conducted an architectural survey of approximately 100 buildings including photographs and state inventory forms to update the county's historic resources database.

Fort Benning, Columbus, GA – Performed photographic survey of Cold War Era resources and assisted Senior Architectural Historian with the installation's Historic Properties Treatment Plan report.

U.S. Department of Defense's Legacy Resource Management Program – Contributing author to report on the thirteen military installations in the State of Georgia, focusing on their development leading up to and involvement in the Cold War.

Central New York – Performed photographic survey of historic resources in view-shed assessments.

Maine Department of Transportation – Performed photographic survey and completed Phase I assessments of historic resources in a 100 mile transportation corridor.

Virginia – Participated in numerous archaeological excavations of all three phases.

**EDUCATION**

2007 Master of Historic Preservation, University of Kentucky

2003 Bachelor of Architectural History and B.A. in History, Minor in Archaeology, University of Virginia

---

**PROFESSIONAL TRAINING**

2006 Recording Buildings: Field School in Early American Architecture, presented by Dr. Carl Lounsbury, Architectural Research Department, Colonial Williamsburg Foundation

2003 Introduction to Section 106 Review Training Course, presented by Don Klima, ACHP

**PROFESSIONAL AFFILIATIONS**

- National Trust for Historic Preservation
  - Vernacular Architecture Forum
  - Preservation Resource Center of New Orleans
  - Recent Past Preservation Network
-

**SUMMARY OF EXPERIENCE**

Dr. Kimbrough has both practical and academic experience in archaeology. She has been working as a professional archaeologist in the field of cultural resource management since 2002. During this period, she assisted clients in negotiating local, state, and federal historic preservation compliance requirements. Dr. Kimbrough has experience in all phases of archaeological research, including project design, field supervision, and report preparation. Before entering the field of cultural resource management, Dr. Kimbrough participated in archaeological field projects in Europe and the Middle East, and possesses a truly international understanding of archaeological methods and the importance of preserving the past.

**RELEVANT PROJECT EXPERIENCE**

Prior to joining EBI Consulting, Dr. Kimbrough worked as an independent archaeological researcher and full-time employee for cultural resource management firms in New York. She was responsible for completing all phases of archaeological research projects including proposal preparation, field supervision, archival background research, report illustrations, authorship of technical reports, project budget oversight, and other project-supervision tasks.

**EDUCATION**

**PhD** Anthropology New York University  
**MA** Anthropology New York University  
**AB** Anthropology Rollins College

**PROFESSIONAL AFFILIATIONS**

Society for American Archaeology  
American Anthropological Association

---



## **Vanessa Sullivan**

*Field Archaeologist / Research Assistant*

21 B Street

Burlington, MA 01803

Office: 781-715-1813 Mobile: 781-522-9917

### **SUMMARY OF EXPERIENCE**

Ms. Sullivan is a field archaeologist under the supervision of senior archaeologist, Christine Kimbrough, PhD, RPA. Ms. Sullivan has conducted cultural resource surveys of pre-historic and historic archaeological sites at all levels, including Phase I sensitivity assessments and field reconnaissance, Phase II site evaluations, and Phase III data recovery. She has developed a strong ability to identify cultural remains and become skilled in excavation methodology. Ms. Sullivan also has laboratory experience in the analysis, cataloguing, and conservation of artifacts.

### **RELEVANT PROJECT EXPERIENCE**

Ms. Sullivan has assessed prior ground disturbance at telecommunications sites and has completed archaeological site file reviews at the Massachusetts Historical Commission on behalf of EBI. Her field experience prior to EBI includes but is not limited to: site walk over and shovel test pits throughout Pennsylvania and New York; Phase II excavation at a golf course development in Northwestern Pennsylvania; and, attendance at a Register of Professional Archaeologists (RPA)-certified field school in Killeen, Texas, which provided both training and experience in prehistoric and historic archaeological field methods.

Ms. Sullivan takes part in the ongoing research at the pre-historic site of Scarem-Kramer in Washington County, Pennsylvania. This research stems from her undergraduate thesis: "Scarem-Kramer Cordage Impression Analysis: An examination of cordage twist direction." In addition, Ms. Sullivan has conducted lab analysis on artifacts from Irvine Flats (Warren County, Pennsylvania) and artifacts housed at the Boston Archaeology Lab, primarily from the excavation of the Boston Common

### **EDUCATION**

**Bachelor of Arts**      Major: Anthropology / Archaeology, Mercyhurst College, Erie, PA  
Concentration: Archaeology  
Minor: Geology

### **PROFESSIONAL AFFILIATIONS**

Society of American Archaeology

NT SUBMISSION PACKET – FCC FORM 620

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

**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 Subject Property, located at 61-1 Buttonball Road, is situated within a predominantly residential rural neighborhood. The Subject Property is located adjacent to a country club / golf course, and Buttonball Road consists mainly of residential dwellings.

The Subject Property consists of an approximately 2.53-acre lot that is improved with a single-story 15,000+ gross square foot commercial building occupied by America’s Game (indoor batting cages) that was constructed in 2006. Other site amenities include asphalt pavement, modest landscaping and unimproved heavily vegetated land. The proposed telecommunications facility will be constructed at the northeast portion of the Subject Property, approximately 70 feet to the east of the existing commercial building.

T-Mobile Northeast, LLC proposes to construct a 100-foot monopole-style telecommunications tower and to collocate 9 antennas at a centerline height of 97.75 feet on the planned tower. T-Mobile also proposes to place equipment cabinets on a 10-foot by 15-foot concrete slab within a 50-foot by 50-foot fenced compound on a 75-foot by 75-foot lease area. T-Mobile will run utility conduits underground commencing from the paved parking lot traversing east toward the Project Site.

Please refer to the Project Plans for the proposed project, which are included in Attachment 12, Maps.

**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.**

EBI Consulting completed the Tower Construction Notification System (TCNS) on November 28, 2008. The attached FCC Notification email lists the Tribes identified through the TCNS process. Follow up correspondence, when necessary, will be completed via the methods listed on the attached email considered acceptable to each Tribe.

Applicant’s Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

## Krushangi Patel

---

**From:** towernotifyinfo@fcc.gov  
**Sent:** Friday, November 28, 2008 3:01 AM  
**To:** Jeffrey George  
**Cc:** kim.pristello@fcc.gov; diane.dupert@fcc.gov  
**Subject:** NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #2075400

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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. THPO Kathleen Knowles - Mashantucket Pequot Tribe - Mashantucket, CT - electronic mail Exclusions: For every tower construction this Tribe requires a site location map, site plans for every project that will result in ground disturbance, and a detailed description of the proposed site. If the proposed tower construction is on an already existing building, the Tribe would like to be informed of that as well.

2. Staff Archaeologist Dr. Jeffrey Bendremer - Mohegan Indian Tribe - Uncasville, CT - electronic mail and regular mail

Exclusions: Please always include a street map and topo map for every proposed site with the site clearly designated.

3. Cell Tower Coordinator Sequahna Mars - Narragansett Indian Tribe - Wyoming, RI - electronic mail and regular 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.

4. SHPO John W Shannahan - Connecticut Historical Commission - Hartford, CT - electronic mail

5. SHPO Cara Metz - Massachusetts Historical Commission - Boston, MA - electronic mail

6. Deputy SHPO Brona Simon - Massachusetts Historical Commission - Boston, MA - electronic mail

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

8. SHPO Frederick C Williamson - Rhode Island Historic Preservation & Heritage Comm - Providence, RI - regular mail

9. Deputy SHPO Edward F Sanderson - Rhode Island Historic Preservation & Heritage Comm - Providence, RI - electronic mail

10. SHPO Karen J Senich - Connecticut Commission on Culture and Tourism - Hartford, CT - 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: 11/25/2008  
Notification ID: 47194  
Tower Owner Individual or Entity Name: T Mobile USA  
Consultant Name: Jeff G Previte  
Street Address: 21 B Street  
City: Burlington  
State: MASSACHUSETTS  
Zip Code: 01803  
Phone: 781-418-2345  
Email: jgeorge@ebiconsulting.com

Structure Type: UTOWER - Unguyed - Free Standing Tower  
Latitude: 41 deg 17 min 47.0 sec N  
Longitude: 72 deg 18 min 4.0 sec W  
Location Description: 61 buttonball rd  
City: old lyme  
State: CONNECTICUT  
County: NEW LONDON  
Ground Elevation: 35.0 meters  
Support Structure: 100.0 meters above ground level  
Overall Structure: 100.0 meters above ground level

Overall Height AMSL: 135.0 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

NT SUBMISSION PACKET – FCC FORM 620

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

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).

The Old Lyme Historic District Commission has been invited to comment on the proposed project's potential effects on Historic Properties as well as indicate whether they are interested in consulting further on the proposed project. A copy of EBI's correspondence with the local government office is attached. As of the date of this submission packet, no comments from the Old Lyme Historic District Commission have been received by EBI. Should a response be received, copies will be forwarded to all consulting parties as an addendum to this submission packet.

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

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

January 7, 2009

Mr. Jim Bechtel and Mr. Ken Levin  
c/o Old Lyme Historic District Commission (CLG)  
Memorial Town Hall  
52 Lyme Street  
Old Lyme, CT 06371

Subject: Invitation to Comment  
CTNL801A / Amtrak Old Lyme 2  
61-1 Buttonball Rd., Old Lyme, New London County, CT 06371  
EBI Project #61087700

Dear Mr. Bechtel and Mr. Levin:

Pursuant to Section 106 of the National Historic Preservation Act, the regulations promulgated thereunder and interagency agreements developed thereto, EBI Consulting, Inc., on behalf of Omnipoint Communications, Inc., a wholly owned subsidiary of T-Mobile USA, Inc., provides this notice of a proposed telecommunications facility installation at the address listed above.

EBI would like to inquire if you would be interested in commenting on this proposed project. Please refer to the attached Project Summary Form for complete details regarding this proposed project.

Please note that we are requesting your review of the attached information as part of the Section 106 process only and not as part of the local zoning process. We are only seeking comments related to the proposed project's potential effects on historic properties.

Please submit your comments regarding the proposed project's potential effects on historic properties to my attention c/o EBI Consulting, 21 B Street, Burlington, MA 01803 or contact me via telephone at the number listed below. Please reference the EBI project number in all correspondence. We would appreciate your comments as soon as possible within the next 30 days. Please do not hesitate to contact me if you have any questions or concerns about the proposed project.

Respectfully Submitted,

Amber Courselle  
Architectural Historian  
Phone: 315-373-5016  
Fax: 781-425-5195  
acourselle@ebiconsulting.com

Attachment A - Project Summary Form  
Attachment B - Figures, Drawings, and Maps

**Shipped via Optima Worldwide Shipping on behalf of:**

Krushangi Patel  
 EBI Consulting  
 21 B Street  
 Burlington, MA 01803



<b>SHIP DATE</b>	01/07/2009	<b>TRACKING NUMBER</b>	B40080262093703
<b>ACCOUNT #</b>	9510-6964	<b>PROJECT NUMBER-REPORT TYPE</b>	61087700

**Ship To Address:**

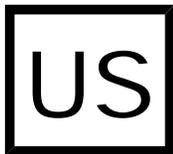
Jim Bechtel and Ken Levin  
 Old Lyme Historic District Commission  
 52 Lyme Street  
 Old Lyme, CT 06371  
 US



**Phone Number:**

SERVICE LEVEL	VALUE	OTHER SERVICES	PACKAGE NOTES/SPECIAL INSTRUCTIONS
STANDARD OVERNIGHT	100		

1 OF 1



[\[BACK TO SHIPPING\]](#)

.....  
 FOLD HERE AND PLACE IN WINDOW ENVELOPE - SECURELY ATTACH WINDOW ENVELOPE TO SHIPMENT

NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB

3060-1039

Estimated Time Per Response:

.5 to 10 hours

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.

Attached, please find a copy of the legal notice regarding the proposed telecommunications installation that was posted in *The Day* on January 15, 2009. As of the date of this submission packet, no comments regarding this notice have been received by EBI. Should a response be received, copies will be forwarded to all consulting parties as an addendum to this submission packet.

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

January 7, 2009

Lyme Times  
c/o Shore Publishing, LLC  
724 Boston Post Road  
Suite 202  
PO Box 1010  
Madison, CT 06443  
Phone: 203-245-1877  
[office@shorepublishing.com](mailto:office@shorepublishing.com)  
Attn: TJ Mastriano

**Subject: Request for Public Notice  
EBI Project #61087700**

EBI Consulting (EBI), on behalf of Omnipoint Communications, Inc., a wholly owned subsidiary of T-Mobile USA, Inc. would like to place the following ad in your paper for print on the first available day. Please place this ad in the paper and send a tear sheet of the ad for confirmation to the address noted on the letterhead. The following is the text of the Public Notice:

---

Omnipoint Communications, Inc. provides this notice of a proposed telecommunications facility at 61-1 Buttonball Rd., Old Lyme, CT. The facility will consist of a new 100-foot monopole-style tower with 9 antennas mounted at a centerline height of 97.75 feet. Support equipment cabinets will be placed on a 10-foot by 15-foot concrete slab within a 50-foot by 50-foot fenced compound on a 75-foot by 75-foot lease area. Any interested party wishing to submit comments regarding the potential effects the proposed facility may have on any historic property may do so by sending such comments to: Project 61087700-ALC c/o EBI Consulting, 21 B St. Burlington, MA 01803 or via telephone at 315-373-5016.

---

Please send an invoice for the cost of the posting to the address noted above. Please reference **EBI Project #61087700-ALC** on any correspondence pertaining to this project, to ensure prompt processing.

If you require pre-payment, please call me at the number listed below for personal credit card information, and please prepare and email or fax a receipt as soon as possible.

Please e-mail or call me with any questions or concerns regarding this publication. Thank you for your time.

Sincerely,

Amber Courselle  
Architectural Historian  
Phone: 315-373-5016  
Fax: 781-425-5195  
[acourselle@ebiconsulting.com](mailto:acourselle@ebiconsulting.com)



47 Eugene O'Neill Drive  
New London, CT 06320  
860-442-2200  
[www.theday.com](http://www.theday.com)

## Receipt

**Account Number:** 227624  
**Order Number:** d00170271

**Salesperson:** Melanie Foley | **Printed on:** 1/8/2009  
**Telephone:** 860-701-4219 ext 4219 | **Fax:** (860) 442-5443  
**Email:** [m.foley@theday.com](mailto:m.foley@theday.com)

EBI CONSULTING  
21 B STREET  
BURLINGTON, MA 01803  
1781 273 2500

**Title:** Community Classified East | **Class:** Public Notices      010  
**Start date:** 1/15/2009 | **Stop date:** 1/15/2009 |  
**Insertions:** 1 | **Lines:** 0 ag

**Title:** Times Website | **Class:** Public Notices      010  
**Start date:** 1/15/2009 | **Stop date:** 1/15/2009 |  
**Insertions:** 1 | **Lines:** 0 ag

A preview of your ad will appear between the two solid lines.

---

7244  
Public Notice

Omnipoint Communications, Inc. provides this notice of a proposed telecommunications facility at 61-1 Buttonball Rd., Old Lyme, CT. The facility will consist of a new 100-foot monopole-style tower with 9 antennas mounted at a centerline height of 97.75 feet. Support equipment cabinets will be placed on a 10-foot by 15-foot concrete slab within a 50-foot by 50-foot fenced compound on a 75-foot by 75-foot lease area. Any interested party wishing to submit comments regarding the potential effects the proposed facility may have on any historic property may do so by sending such comments to: Project 61087700-ALC c/o EBI Consulting, 21 B St. Burlington, MA 01803 or via telephone at 315-373-5016.

---

## Payment Information

**Total Order Price: \$186.75**

**Payment Type:** Day Credit Card | **Exp:** 01/2011

NT SUBMISSION PACKET – FCC FORM 620

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

**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 have been identified to date.

**Attachment 7. Areas of Potential Effects**

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

The APE for direct effects is defined as the area of potential ground disturbance and any property, or any portion thereof, that will be physically altered or destroyed by the Undertaking. On November 24, 2008, the FCC further clarified that the APE-Direct Effects is limited to the lease area including the access route and utility corridor. Ms. Amber Courselle, Architectural Historian with EBI Consulting, completed a field survey on January 6, 2009 and determined that the APE for direct effects is limited to the proposed 75-foot by 75-foot lease area, the access route and the utility corridor.

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

The APE for visual effects is the geographic area in which the Undertaking has the potential to introduce visual elements that diminish or alter the setting, including the landscape, where the setting is a character-defining feature of a historic property that makes it eligible for listing on the National Register. The presumed APE for visual effects for construction of new facilities is the area from which the tower will be visible: a. Within a half mile from the tower site if the proposed Tower is 200 feet or less in overall height; b. Within  $\frac{3}{4}$  of a mile from the tower site if the proposed Tower is more than 200 but no more than 400 feet in overall height; or c. Within  $1\frac{1}{2}$  miles from the proposed tower site if the proposed Tower is more than 400 feet in overall height.

Due to the height of the proposed tower, the presumed APE for visual effects for this project is a half-mile radius from the tower site.

**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.<sup>7</sup>**

<sup>7</sup> 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.

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB

3060-1039

Estimated Time Per Response:

.5 to 10 hours

Based on a review of the files available at the University of Connecticut's Dodd Research Center conducted by Mr. William Keegan, Historian with Heritage Consultants, Inc., on January 5, 2009, no Historic Properties were identified within the APE for visual effects.

- 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).

As of the date of this report, EBI has not received comments from Indian Tribes, NHOs, local governments, or members of the public that identify Historic Properties in the APE for visual effects that are not listed in Attachment 8a.

- 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.

No Historic Properties were identified during a review of the SHPO's files. Additionally, as of the date of this report, EBI has not received comments from Indian Tribes, NHOs, local governments, or members of the public that identify Historic Properties in the APE for visual effects that are not listed in Attachment 8a.

**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.

Based on Mr. Keegan's review of files at the University of Connecticut's Dodd Research Center on January 5, 2009, no Historic Properties were identified within the APE for direct effects.

- 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.

Based on a review of the photographs, maps, and information contained within this report, Ms. Courselle completed the following evaluation of National Register eligibility, according to the National Register criteria of eligibility (36 C.F.R. Part 63), for properties identified within the APE for direct effects which were not identified during a review of files at the SHPO office and therefore not listed in Attachment 9a.

Because the tower facility, access road and utility conduits will be constructed on vacant land, no additional eligible resources were identified. There are no buildings or structures within the APE for Direct Effects.

- c. Describe the techniques and the methodology, including any field survey, used to identify Historic Properties within the APE for direct effects.<sup>8</sup> 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

<sup>8</sup> 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.

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB

3060-1039

Estimated Time Per Response:

.5 to 10 hours

not occur within the project area or may occur but at depths that exceed 2 feet below the proposed construction depth.<sup>9</sup>

As noted in Attachment 9a, Mr. Keegan reviewed the files at the Dodd Research Center on January 5, 2009 in order to identify listed and eligible Historic Properties within the APE for direct effects. In addition, Ms. Courselle completed a field survey of the APE for direct effects in order to identify any additional Historic Properties that were not listed in the SHPO inventories. Ms. Courselle used the results of these activities in order to evaluate the National Register eligibility of any additional resources within the APE for direct effects.

Dr. Christine Kimbrough, Senior Archaeologist with EBI Consulting, completed an evaluation of the proposed Project Site for the likelihood of containing archeological Historic Properties. Please refer to the attached report documenting the findings of this project review by a qualified archaeologist including a description of the techniques and the methodology used to identify Historic Properties within the APE for direct effects. This report concludes that archeological resources are not expected to be impacted by the construction of the proposed tower and installation of associated support equipment at the Project Site.

---

<sup>9</sup> Under Section VI.D.2.d. of the Nationwide Agreement, an archeological field survey is required even if none 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.

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

## Phase I Archaeological Literature Review and Field Survey

Prepared for:  
T-Mobile USA  
c/o HPC Development,  
LLC  
5827 Shamrock Court  
Hamburg, NY 14075



CTNL801A/Amtrak Old Lyme 2  
61-1 Buttonball Road  
Old Lyme, New London County  
Connecticut 06371-1757  
EBI Project No. 61087700

August 2009



**EBI CONSULTING**  
**21 B STREET**  
**BURLINGTON, MASSACHUSETTS 01803**  
**(800) 786-2346**  
**PROJECT NO. 61087700**

## Management Summary

The Project Site is located at 61-I Buttonball Road, Old Lyme, New London County, Connecticut. T-Mobile USA proposes to construct an 100' (30.5m) monopole within a proposed 50' by 50' (15.2m by 15.2m) fenced compound in a 75' by 75' (22.9m by 22.9m) lease area on the eastern portion of the Subject Property. The compound will be adjacent to a paved area, which surrounds the existing building on three sides. In addition, support equipment cabinets will be placed on concrete pads within the proposed fenced compound. A transformer is to be installed outside of the fenced compound, but within the lease area. Access to the site will be via an existing paved drive and parking lot. Utilities will be routed underground from the lease area, west across the paved parking lot and along the access drive, to existing sources adjacent to the Subject Property. Finally, a retaining wall is to be constructed as needed parallel to the eastern and southern sides of the compound, but within the lease area.

The Area of Potential Effects—Direct Effects (APE-DE) includes the 75' by 75' (22.9m by 18.2m) lease area and the underground utility corridor beyond the lease area.

The historic maps of the Project Site demonstrate that the Project Site remained undeveloped from the mid-19<sup>th</sup> century. The site visit further indicates that there has been no significant historic use of the Project Site; however, the Project Site is in an environmental context that would have been particularly attractive by Native American groups. For these reasons it is suggested that the Project Site is sensitive for precontact archaeological resources.

Surface reconnaissance and subsurface testing of the APE-DE was completed on August 4, 2009 by Ms. Vanessa Sullivan, Field Archaeologist/Research Assistant with EBI Consulting. An unnatural rise in elevation on the northeastern edge of the proposed lease area suggested that the site may have been previously disturbed. Shovel test pits (STPs) were excavated to document the presence/absence of archaeological resources. No cultural remains were recovered from the STPs and the soils were largely disturbed.

In light of available information, it is my professional opinion that the APE-DE for the present project is not sensitive for the presence of significant precontact and/or historical archaeological resources. Despite its location in a potentially productive landscape, all STPs were negative, and the non homogenous soil profile confirmed that the site has been previously disturbed. Accordingly, I recommend that no further archaeological work be conducted in conjunction with the present project.

## Introduction

The Federal Communications Commission (FCC) requires licensees and their representatives to consider the effects of their actions on historic properties, in accordance with Section 106 of the National Historic Preservation Act of 1966, as amended, and the National Environmental Policy Act of 1969 (NEPA) (Federal Communications Commission 1996). Historic properties include Native American or European-American archaeological sites, architectural resources (historic districts and standing structures), objects, and traditional cultural properties. Applicants are required to assess and report all potential environmental effects as part of Section 106 process, prior to construction.

This Phase I archaeological literature review and sensitivity assessment was conducted by Christine Kimbrough, PhD, RPA and Vanessa Sullivan on August 7, 2009, in partial fulfillment of Section 106 of the National Historic Preservation Act of 1966, and in accordance with state guidelines (Connecticut State Historic Preservation Office). It is intended to provide information that will enable the Connecticut State Historic Preservation Office to review the subject project. The Principal Investigator meets and/or exceeds the qualifications described in the Secretary of the Interior's Professional Guidelines (Federal Register 48:190:44738-44739) (United States Department of the Interior 1983). Background research was conducted at the State Archaeologist Office. The objective of the archaeological fieldwork was to identify any archaeological sites within the Area of Potential Effects—Direct Effects (APE-DE).

## The Project and Project Site

The Project Site is located at 61-I Buttonball Road, Old Lyme, New London County, Connecticut (Figure 1). T-Mobile USA proposes to construct an 100' (30.5m) monopole within a proposed 50' by 50' (15.2m by 15.2m) fenced compound in a 75' by 75' (22.9m by 22.9m) lease area on the eastern portion of the Subject Property. The compound will be adjacent to a paved area, which surrounds the existing building on three sides. In addition, support equipment cabinets will be placed on concrete pads in the proposed fenced compound. A transformer is to be installed outside of the fenced compound, but within the lease area. Access to the site will be via an existing paved drive and parking lot. Utilities will be routed underground from the lease area, west across the paved parking lot and along the access drive, to existing sources adjacent to the Subject Property. Finally, a retaining wall is to be constructed as needed parallel to the eastern and southern sides of the compound, but within the lease area (Figures 2 and 3).

The Area of Potential Effects—Direct Effects (APE-DE) includes the 75' by 75' (22.9m by 18.2m) lease area and the underground utility corridor beyond the lease area.

## Subject Property

The Subject Property is an approximately 2.53-acre (1.0ha) lot that is improved with a single-story 15,000+ gross square foot (1393.5m<sup>2</sup>) commercial building occupied by America's Game (indoor batting cages) that was constructed in 2006. Other site improvements include asphalt pavement, modest landscaping and unimproved land.

## Environmental Setting

According to the 1971 Old Lyme, CT and United States Geological Survey (USGS) 7.5- Minute Topographic Quadrangle (USGS 1971; Figure 1), the Project Site is located adjacent to wetlands approximately 1.25 miles (2.0km) north of Long Island Sound. The site is at an elevation of approximately 20' (6.1m) above mean sea level (amsl). There are numerous water resources in the general vicinity, including the Black Hall River 2000 feet (609.6m) to the west and Mile Creek 2500 feet (762.0m) to the east. The closest water resource is a tributary of the Black Hall River, approximately 1000 feet (30.5m) to the west. The proximity of the site to wetlands and other water resources may have made it attractive for use by precontact groups.

The Connecticut Department of Environmental Protection indicates that there are two bedrock formations underlying the Project Site. The first is the Plainfield Formation, consisting of interlayered thinly bedded quartzite, mica schist, and gneiss. The second is Potter Hill Granite Gneiss, consisting of light pink to gray granitic gneiss (Rodgers 1985). The possible presence of quartzite in the vicinity would indicate that there may have been resources for stone tool production available to precontact groups.

According to the Natural Resources Conservation Service (NRCS) Web Soil Survey (WSS), the dominant soil type on the Project Site is Hinckley gravelly sandy loam on 3% to 15% slopes (38C). These are excessively-drained, deep gravelly sandy loams over gravelly and cobbly sand from glaciofluvial deposits derived from granite, schist, and gneiss (Web Soil Survey 2009).

## Known Archaeological Sites

According to the site files of the Connecticut Office of the State Archaeologist (OSA), there are six previously documented archaeological sites located within one mile (1.6km) of the APE-DE. Brief descriptions of these sites are provided below.

The Mile Creek site (105-10) is an Archaic/Woodland Period camp located 1 mile (1.6km) southeast of the Project Site near the Creek and the shore of the Long Island Sound. Artifacts from this site include several quartz triangular points, pigment stones, two hematite paint pots, and debitage. The site file states that the site was the location of limited activity, possibly including hunting.

The Mile Creek Golf Course Site (105-18) 2500 feet (762.0m) southeast of the Project Site near the Creek. The golf course is now the Black Hall Golf Course, adjacent to the Subject Property on the southeast. It is a Woodland-Period site of unknown use. Artifacts from the site were limited to potsherds found on the edge of the golf course. The site file notes that there was likely a larger site under the landscaped surface of the course, but that subsurface testing was not possible at the time. Although this site is relatively close to the Project Site, it is unlikely that it extends across the breadth of the course.

The Grimes Site (105-50) is 2000 feet (609.6m) southwest of the Project Site, near the Black Hall River. The site is a precontact camp of indeterminate date and cultural affiliation. Artifacts from the site include quartz choppers, cobble fragments, and flakes.

The Heflan site (105-51) is 3500 feet (1066.8m) west of the Project Site along the Black Hall River. The site is an Archaic/Woodland-Period camp, consisting of quartz and quartzite debitage.

The Old Lyme Beach Club site (105-52), 4500 feet (1371.6m) southeast of the Project Site near a marsh, is a precontact camp of unknown date or cultural affiliation. Artifacts included a paint pot, small-stemmed points, and flakes.

The Cross Lane site (105-53) is located one mile (1.6km) east of the Project Site near a tributary of Four Mile River. Narrow-stemmed points were recovered from the site, dating it to the Late Archaic. Other artifacts from this precontact camp include quartz cobbles and flakes.

None of the sites discussed above will be impacted by the current project. However, the environmental context of these sites does provide some insight into the archaeological sensitivity of the Project Site. Four of the sites are located within 200 feet (60m) of a water course, and the Heflan Site was approximately 500 feet (150m) from the Black Hall River. The only site not within close proximity to running water was the Old Lyme Beach Club site, which was adjacent to marshland and near the shore. The Project Site is adjacent to wetlands, and 1000 feet (304.5m) from running water. It seems probable that the precontact groups would have found the Project Site attractive for use.

### **Prior Cultural Resource Surveys**

According to files at the Connecticut Office of the State Archaeologist (OSA), one cultural resource survey has been conducted within one-mile (1.6km) radius of the APE-DE. A Phase I archaeological survey was conducted for the Beach Farms subdivision in Sound View (ACS 1998) one mile (1.6km) southeast of the Project Site. Six artifacts, two historic and four precontact, were recovered. Most of the artifacts were from disturbed contexts and no further archaeological testing was recommended.

### **National/State Register Files**

According to the site files of the Connecticut State Historic Preservation Office there are no previously documented National / State Register properties located on or adjacent to the APE-DE.

### **Historic Map Review**

A review of historical cartographic evidence available from the University of Connecticut and other sources revealed some details about the development of the Project Site over the past 160 years. Buttonball Road, off which the Project Site is located, was in place by 1854 (Walling 1854; Figure 4), but was not shown on earlier maps of Connecticut (e.g., Blodgett 1792 and Warren 1811). The railroad (now Amtrak) was also in place by this time. There are no buildings/structures shown on or adjacent to the Project Site. The situation remains the same on the available 19<sup>th</sup>-century maps (Beers 1868 and USGS 1893; Figures 5 and 6, respectively). Examination of 20<sup>th</sup>-century USGS topographic maps suggests that the Subject Property

remained undeveloped until the construction of the current building on the property in 2006 (USGS 1947 and 1971; Figures 7 and 1, respectively). Currently, the Subject Property is improved with a building housing indoor batting cages and a paved parking lot (Bing Maps 2009; Figure 8). The Project Site, east of these improvements, is undeveloped, however may have been disturbed during the development of the property.

### **Archaeological Sensitivity of the APE-DE**

The sensitivity of the APE-DE for historic resources is low. Review of the historic maps and aerial photos revealed no buildings/structures or other features on or adjacent to the Project Site. There is little chance the proposed project will disturb historical archaeological resources.

The precontact sensitivity of the site is moderate. The APE-DE is nearly 2000 feet (609.6m) from running water; however, there are wetlands to the north. Previously identified precontact sites in the area are located within 500 feet (91.1m) of water resources. There are numerous areas in the general vicinity that are level and close to running water and/or the coast that would have been more attractive for use by Native American groups.

### **Site Visit and Recommendations**

A site visit of the APE-DE was completed on August 4, 2009. The APE-DE is located in the eastern portion of the Subject Property, which is located at 61-1 Buttonball Road in Old Lyme, Connecticut. The surface reconnaissance focused on assessing and photographing the general surface conditions found on the Project Site. The APE's archeological potential was evaluated based on several factors including proximity to recorded sites, creeks, rivers and wetlands as well as the presence of early historic development.

The portion of the APE-DE where the tower compound is to be located is relatively level, landscaped, and grass-covered (Photos 1 through 4). A small rise in the Project Site topography suggests that the area may have been previously disturbed. The site is adjacent to a steep slope down to the nearby railroad bed (Photo 5). Access to the Project Site will be via the existing paved access drive and parking lot, through and along which the underground utility corridor will extend (Photos 6 through 8). These sections of the APE-DE are sloped and have been subjected to extensive disturbance from construction. No topographic anomalies or other features were noted in the APE-DE that would indicate historic use of the site.

Due to the moderate sensitivity of the site for prehistoric archaeological resources, the unknown extent of the disturbance in the tower compound, and a request from the Mashantucket Pequot Tribe, subsurface testing was undertaken on level, dry, undisturbed portions of the APE-DE. In this instance, the testable area was limited to the proposed tower compound.

### **Phase IB Archaeological Field Survey**

Surface reconnaissance and subsurface testing of the APE-DE was completed on August 4, 2009 by Ms. Vanessa Sullivan, Field Archaeologist/Research Assistant with EBI Consulting. An unnatural rise in elevation on the northeastern edge of the proposed lease area suggested that

the site may have been previously disturbed. Shovel test pits (STPs) were excavated to document the presence/absence of archaeological resources in the tower compound. Each STP was 50 centimeters (20 in) square and placed at 15 meter (50 ft) intervals or less. The soil from each STP was screened through 0.64 centimeter (0.25 in) hardware cloth and carefully examined for precontact and historic cultural materials. The location and depth of each shovel test was recorded including depth and description of each soil level (Munsell 2000). Artifacts were to be washed, processed and catalogued; however, no artifacts were recovered. The ground surface was restored to original contours upon the completion of each STP.

A total of 6 STPs were excavated in the APE-DE (Figures 9 and 10; Photos 8-10). 5 STPs were placed in the tower compound and one in the northwest portion of the access drive. The southern portion of the access drive and the utility easement were not tested due to excessive slope and the paved driveway (Photos 6 and 7). The maximum depth was 55cm (1.78ft) below ground surface (bgs). There were three soil profiles observed throughout the Project Site: The first profile type (seen in STP's 3, 4, and 5) consisted of one stratum reaching depths between 46cm to 53cm (1.5ft to 1.7ft) and was a dark brown (3/3 10 YR) loam with large rock inclusions. This soil type was observed on the crest of the elevation rise. Based on the amounts of tar, glass, and brick found within these units it is suggested that this "mound" is fill from the development of the Subject Property.

The second profile type (seen in STP's 1 and 6) was located near the rail road tracks on the western edge of the Project Site. This soil profile consisted of 4 strata: Stratum A was a dark brown (3/3 10 YR) loam with large rock inclusions ranging from depths of 31cm to 33cm (1.0ft to 1.1ft); Stratum B was a yellowish red (4/6 5 YR) sandy loam ranging from depths of 37cm to 38cm (1.2ft to 1.24ft); Stratum C was a yellowish brown (5/6 10 YR) sandy loam ranging in depths from 44cm, to 46cm (1.4ft to 1.5cm); Stratum D was a dark brown (3/3 10 YR) sandy loam reaching depths between 53cm and 55cm (1.7ft to 1.8ft). This profile fits the typical soil profile in this region (Hinckley gravelly sandy loam on 3% to 15% slopes (38C)), indicating that these were natural soils. No cultural material was recovered from these STP's

The third soil profile type was identified on the northwestern edge of the Project Site by a wooded area between the train tracks and the golf course (seen in STP 2). This profile type consists of two strata: Stratum A was a dark brown (3/3 10 YR) loam with large rock inclusions with a depth of 23cm (0.8ft); Stratum B was a dark yellowish brown (4/6 10 YR) loam with large rock inclusions reaching a depth of 42cm (1.4ft). This profile seems to be a mix of the two above describes profile types indicating a possible transition zone between the natural soil type and the fill soil type. No cultural material was identified within this STP.

Most of the soil profiles in the Project Site appear to be highly disturbed. All STPs were negative for precontact and historic artifacts. No precontact or other features were observed. The results of the archaeological testing indicated that no significant precontact or historic resources exist within the APE-DE. No further archaeological survey is recommended.

## Conclusions and Recommendations

In light of available information, it is my professional opinion that the APE-DE for the present project is not sensitive for the presence of significant precontact and/or historical archaeological resources. Despite its location in a potentially productive landscape, all STPs

were negative, and the non-homogenous soil profiles confirmed that the site has been previously disturbed. Accordingly, I recommend that no further archaeological work be conducted in conjunction with the present project.



Christine Kimbrough, PhD, RPA  
Author/Senior Archaeologist  
EBI Consulting  
Phone (518) 537-2054  
Email: [ckimbrough@ebiconsulting.com](mailto:ckimbrough@ebiconsulting.com)



Vanessa P. Sullivan  
Field Archaeologist  
EBI Consulting  
Phone: (617)715-1813  
E-mail: [vsullivan@ebiconsulting.com](mailto:vsullivan@ebiconsulting.com)

## References

Beers, F. W.

1868 *Atlas of New London County, Connecticut.* Beers, Ellis, & Soule, NY.

Bing Maps

2009 <http://www.bing.com/maps>. Accessed June 3, 2009.

Blodgett, William

1792 *A new and correct map of Connecticut.* W. Blodgett, Middletown, CT.

Munsell Soil Color Charts

2000 *Munsell Soil Color Charts.* Revised Edition. GretagMacbeth: New Windsor, New York.

Rodgers, John

1985 *Bedrock Geological Map of Connecticut.* Connecticut Geological and Natural History Survey, DEP, in cooperation with USGS.

United States Geological Survey (USGS)

1893 *Saybrook, CT 15' Topographic Quadrangle.* USGS, Washington, DC.

1947 *Old Lyme, CT 7.5' Topographic Quadrangle.* USGS, Washington, DC.

1971 *Old Lyme, CT 7.5' Topographic Quadrangle.* USGS, Washington, DC.

Walling, H. F.

1854 *Map of New London County, Connecticut.* William E. Baker, Philadelphia.'

Warren, Moses

1811 *Connecticut, from actual survey.* Hudson & Goodwin, Hartford, CT.

Web Soil Survey

2009 <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>. United States Department of Agriculture soils website, accessed June 3, 2009.

**Figure I 1971 USGS Old Lyme, CT 7.5' Topographic Quadrangle**

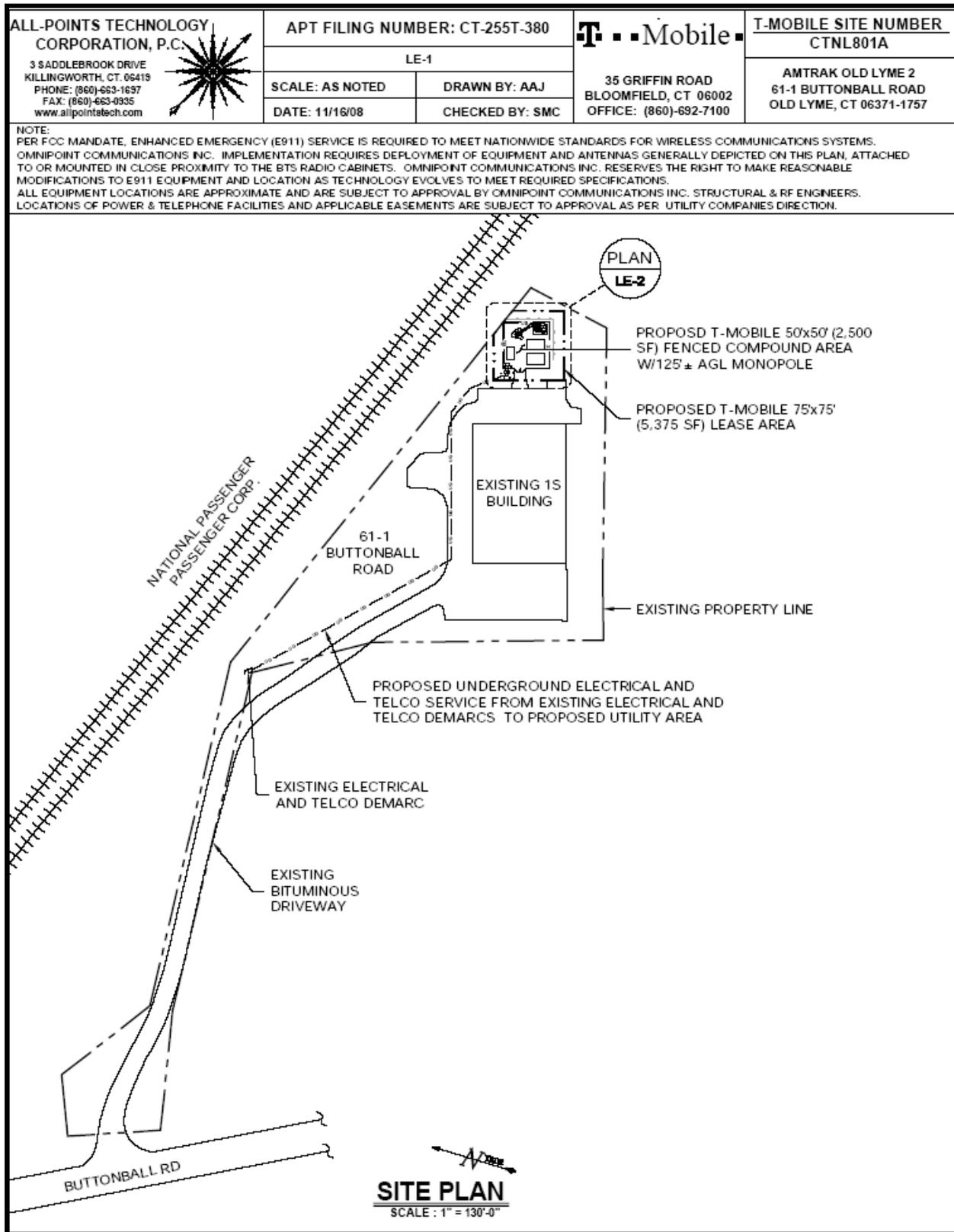
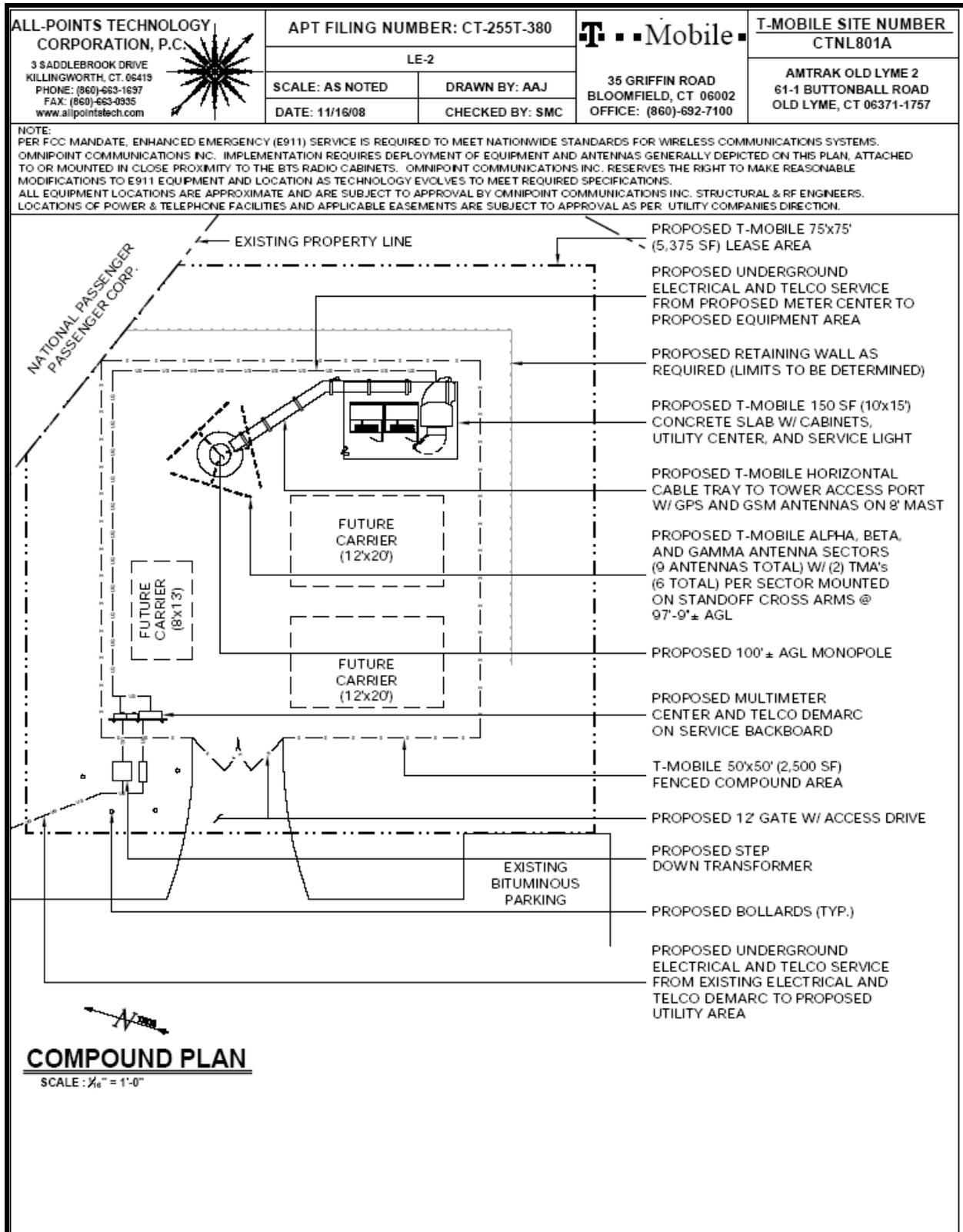


Figure 2 Site Plan



**Figure 3 Project Plan**

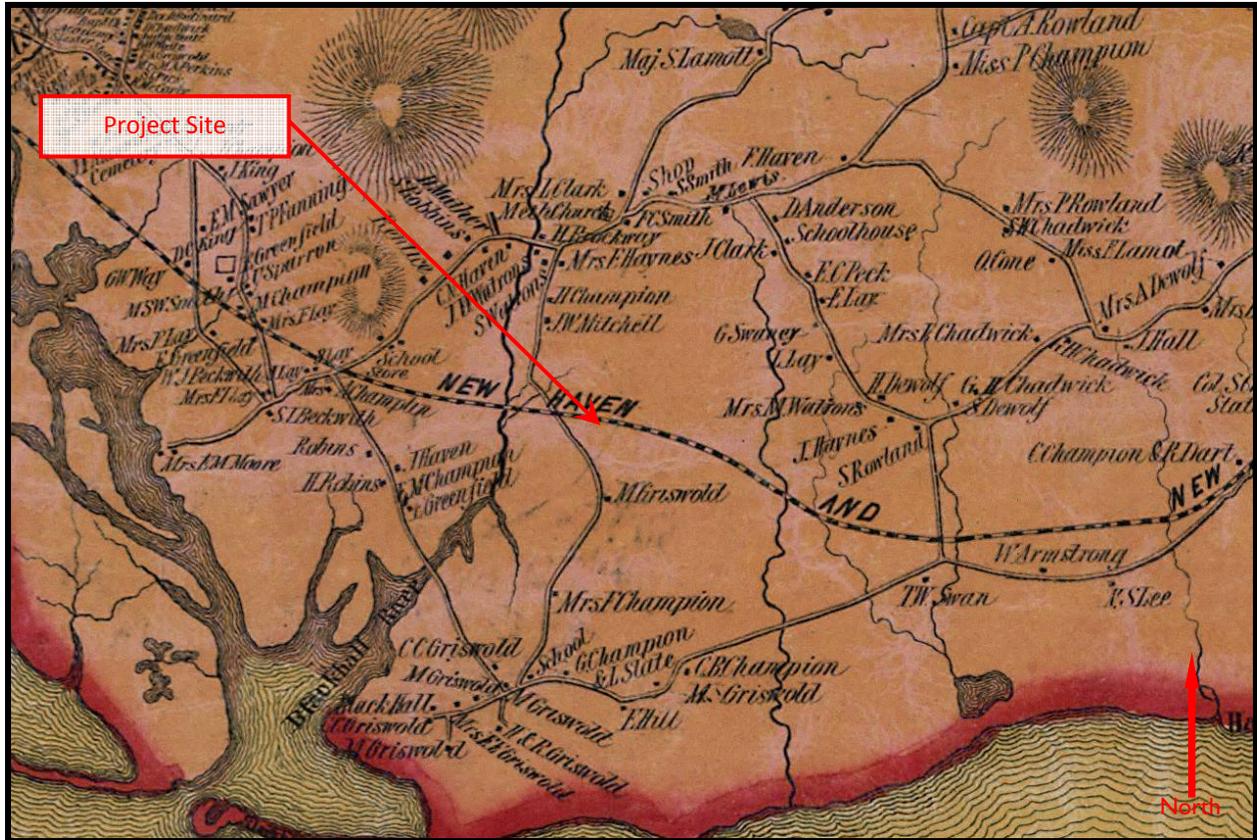


Figure 4 1854 Walling Map of New London County, Connecticut

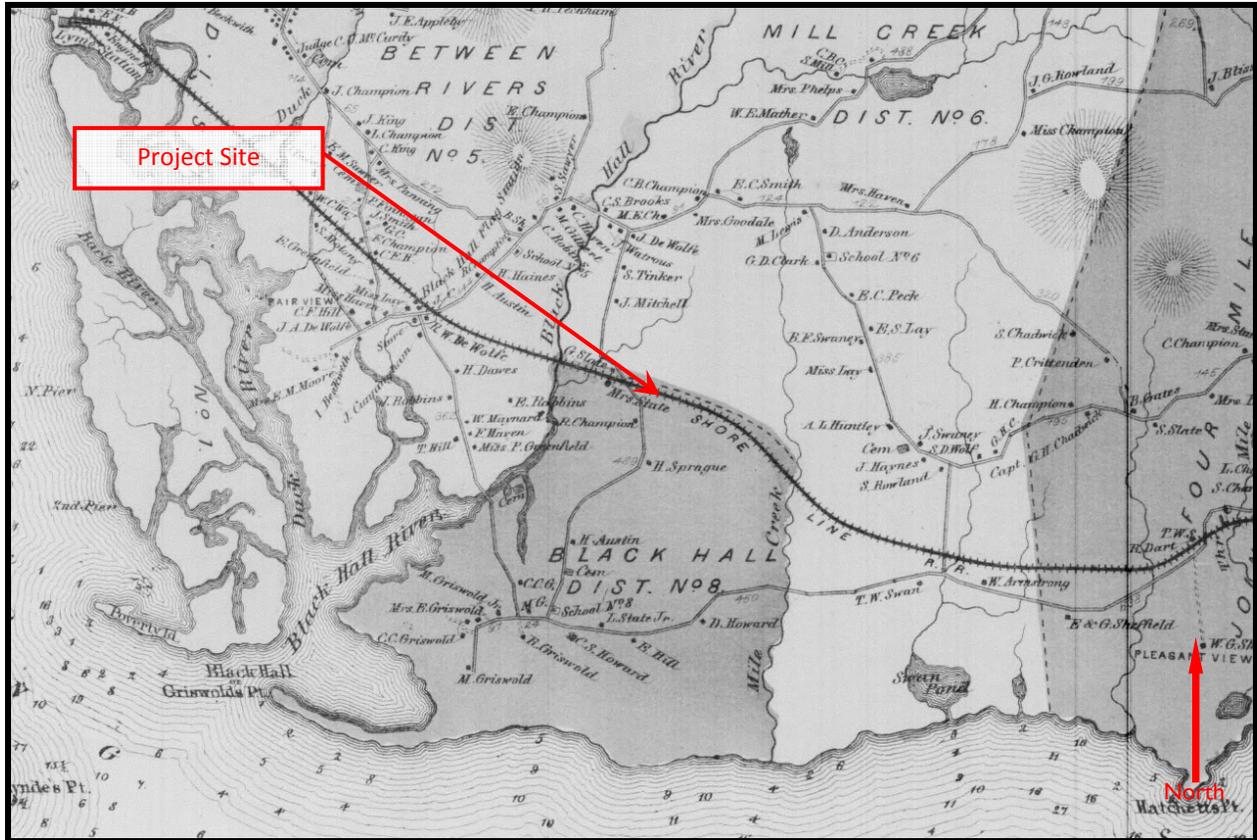


Figure 5 1868 Beers Town of Old Lyme

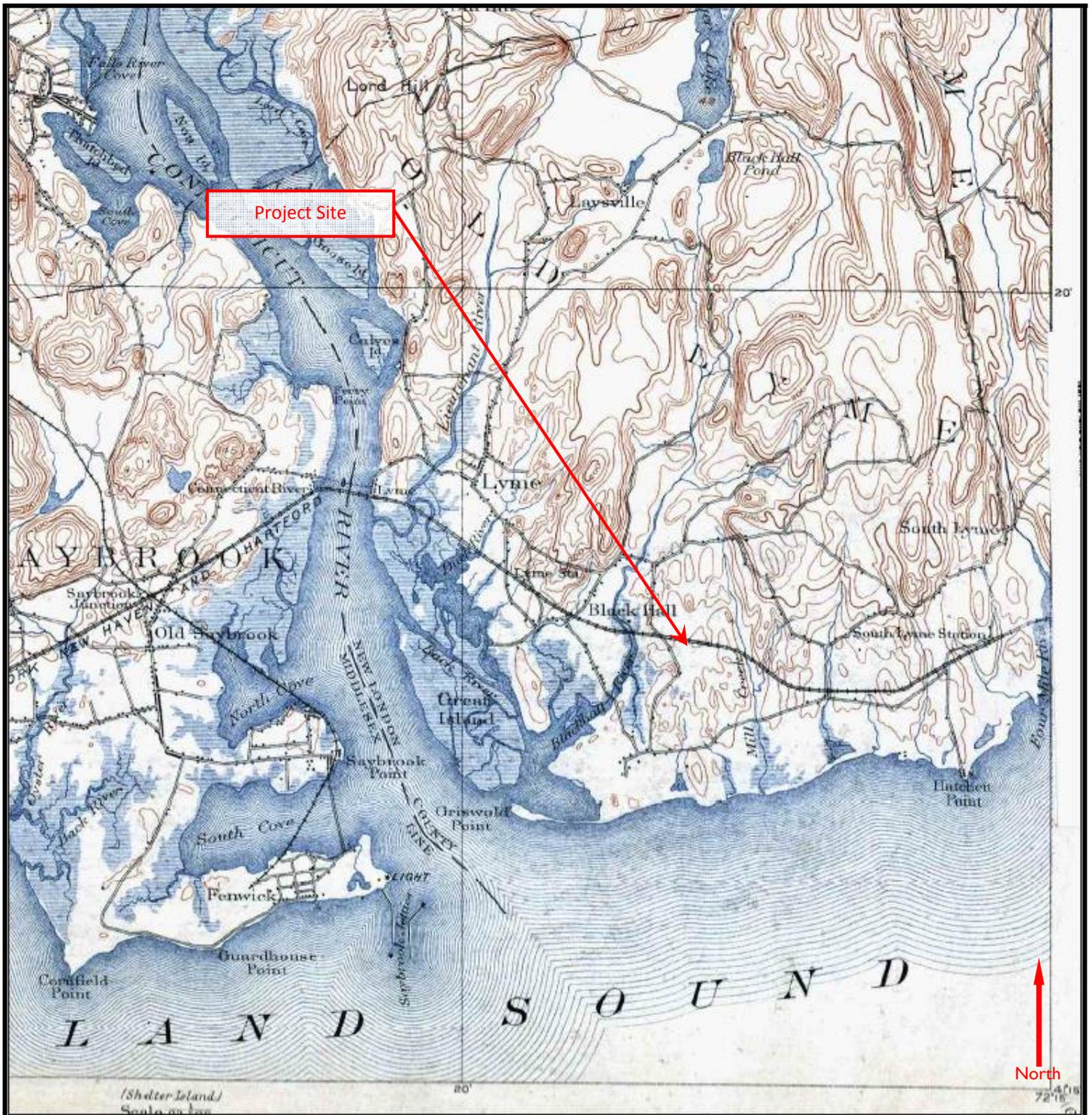


Figure 6 1893 USGS Saybrook, CT 15' Topographic Quadrangle (1"=1 mile)

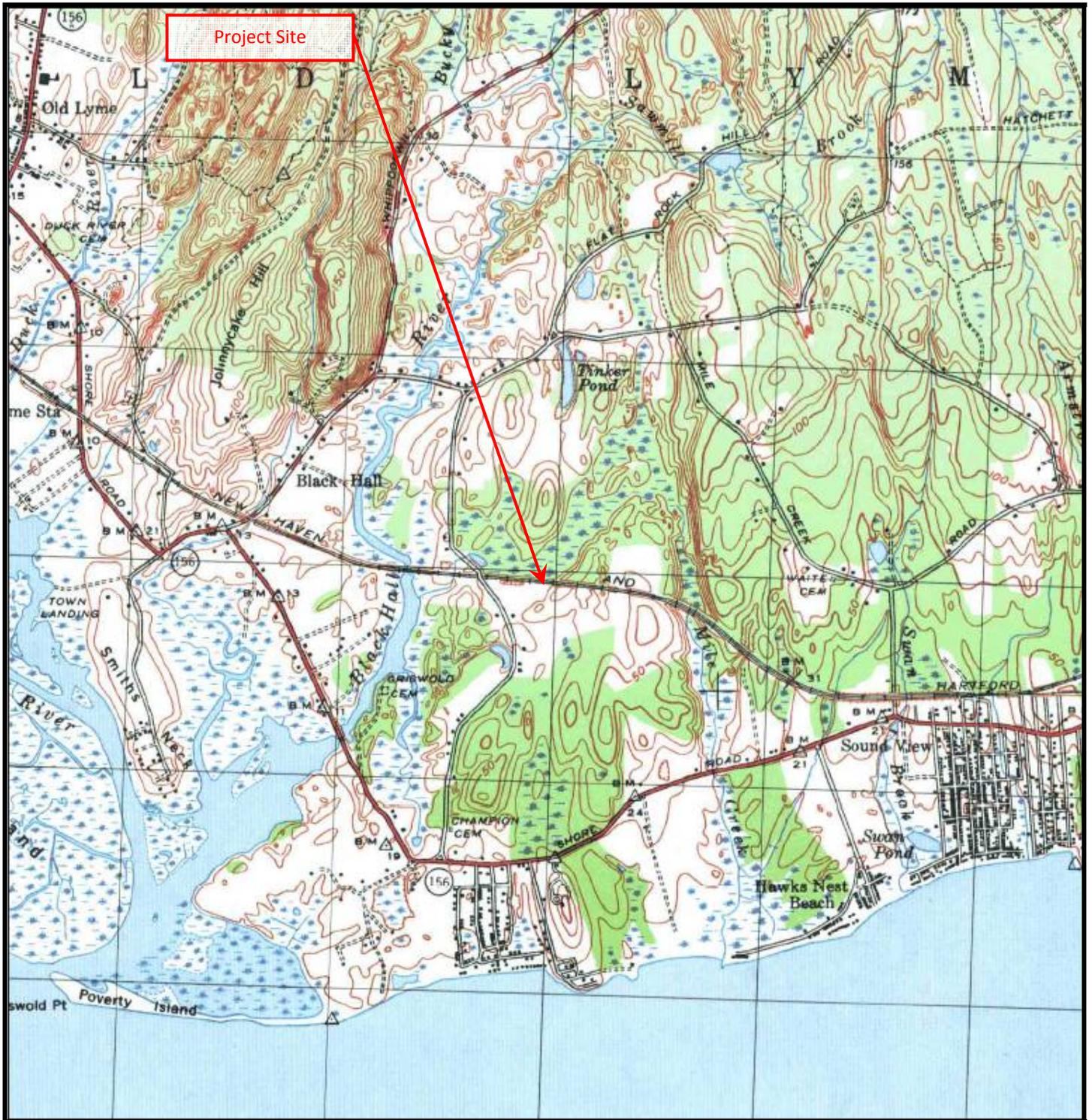


Figure 7 1947 USGS Old Lyme, CT 7.5' Topographic Quadrangle



Figure 8 2009 Bing Maps Bird's-Eye Image

 <b>SHOVEL TEST PIT LOG</b>						
<b>Date</b>		8/4/2009		<b>EBI Proj#</b>		61097700
<b>TEST #</b>	<b>DEPTH</b>	<b>STRATUM</b>	<b>MUNSELL</b>	<b>SOIL COLOR</b>	<b>SOIL TYPE</b>	<b>ARTIFACTS/ COMMENTS*</b>
1	33cm	A	3/3 10 YR	Dark Brown	Loam (Rocky)	Glass, Tar, Flourecent string demarking fill
1	37cm	B	4/6 5 YR	Yellowish Red	Sandy Loam	NCM; Sterile soil
1	46cm	C	5/6 10 YR	Yellowish Brown	Sandy Loam	NCM; Sterile soil
1	55cm	D	3/3 10 YR	Dark Brown	Sandy Loam	NCM; Sterile soil
2	23cm	A	3/3 10 YR	Dark Brown	Laom (Rocky)	NCM
2	45cm	B	4/6 10 YR	Dark Yellowish Brown	Laom (Rocky)	NCM; Sterile
3	51cm	A	3/3 10 YR	Dark Brown	Laom (Rocky)	Tar, Glass, Insulation Filler
4	46cm	A	3/3 10 YR	Dark Brown	Laom (Rocky)	Tar, Glass, Brick
5	53cm	A	3/3 10 YR	Dark Brown	Laom (Rocky)	Tar, Glass, Brick
6	31cm	A	3/3 10 YR	Dark Brown	Loam (Rocky)	Glass, Tar
6	38cm	B	4/6 5 YR	Yellowish Red	Sandy Loam	NCM; Sterile soil
6	44cm	C	5/6 10 YR	Yellowish Brown	Sandy Loam	NCM; Sterile soil
6	53cm	D	3/3 10 YR	Dark Brown	Sandy Loam	NCM; Sterile soil

\*NCM: no cultural material in stratum/CM: cultural material in stratum

**Figure 9: STP Log**

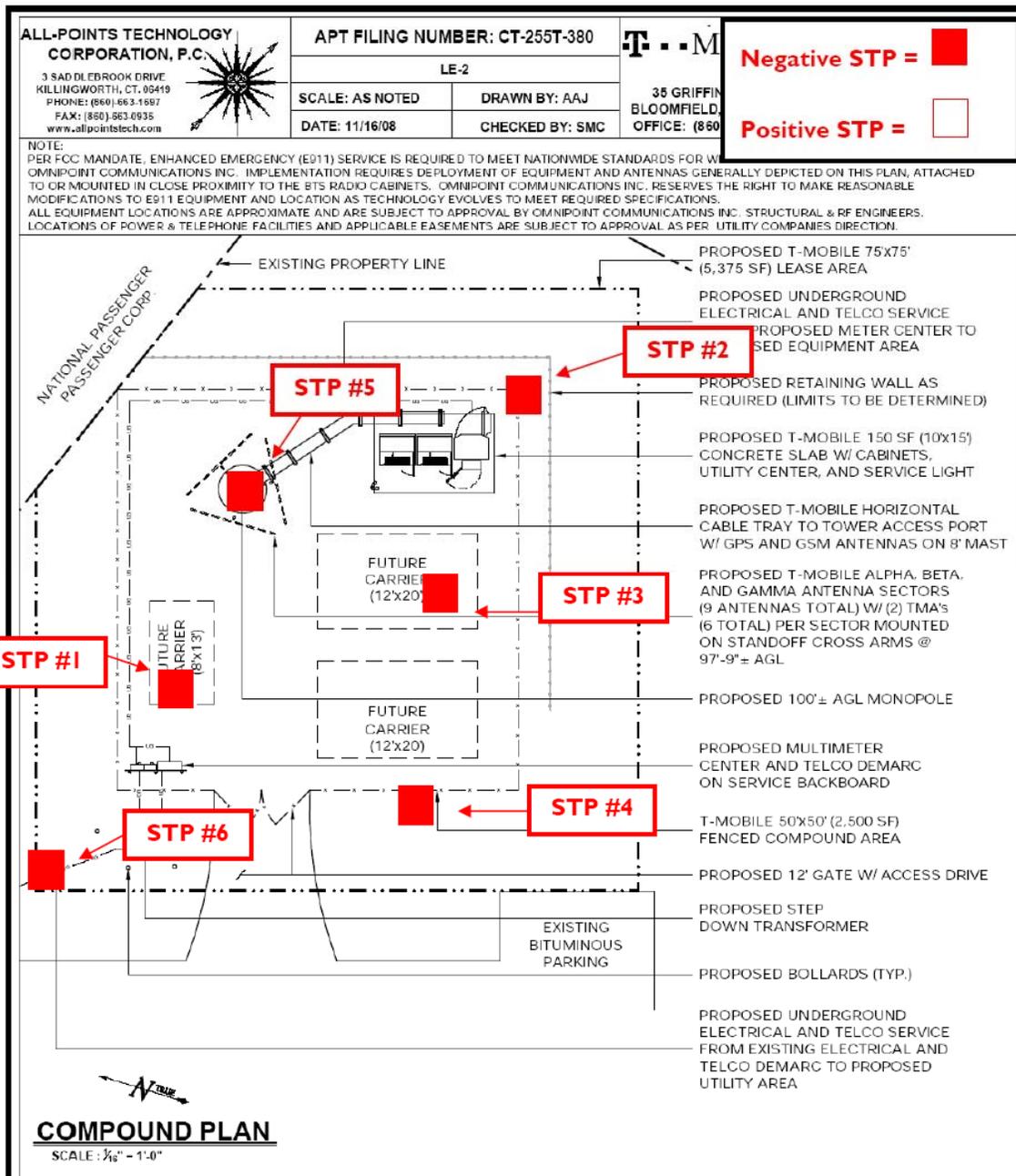
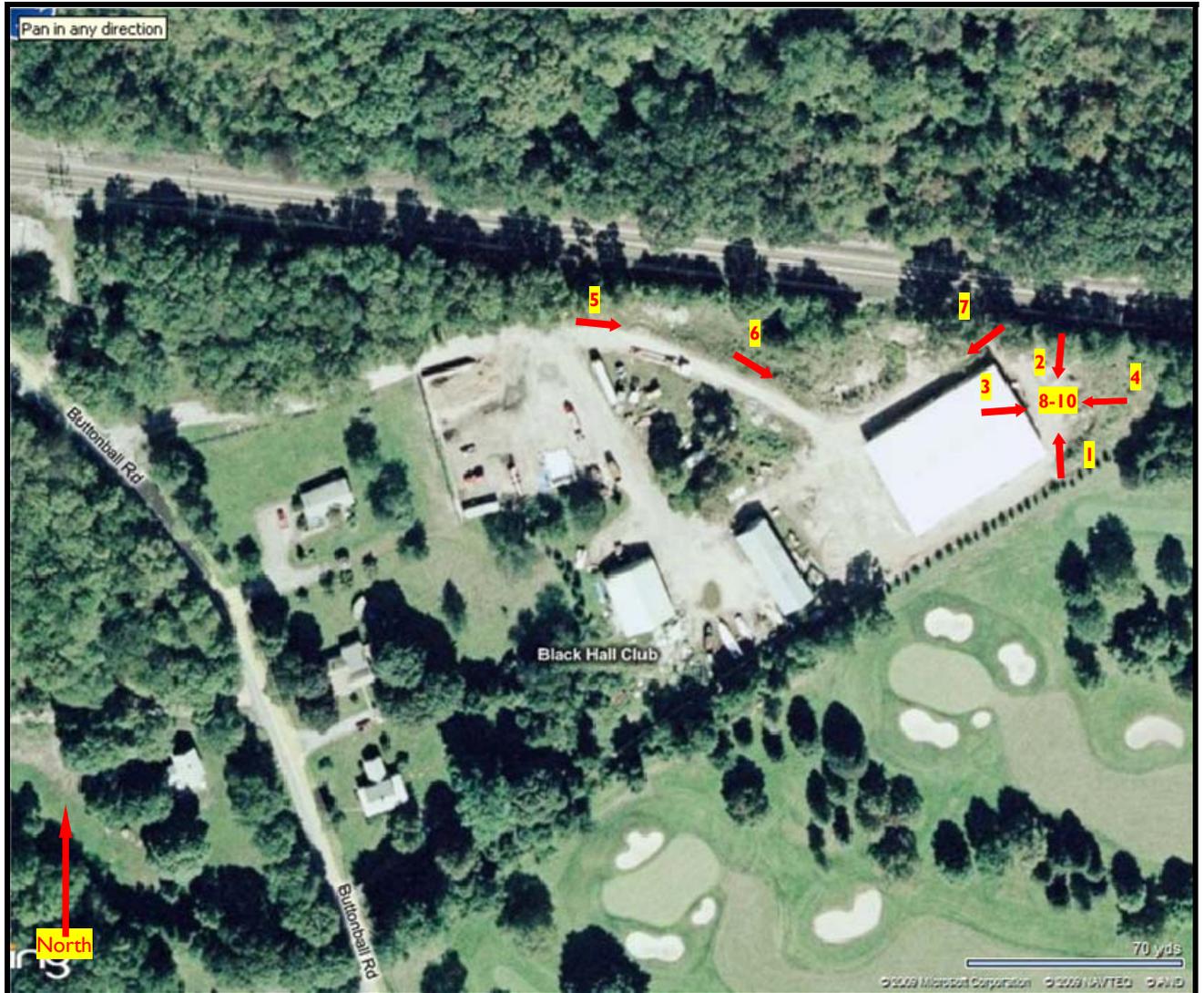


Figure 10: STP Location Map



**Photo Angles (Base Image: Bing Maps 2009)**



**Photo 1: View north of proposed tower-compound area**



**Photo 2: View south of proposed tower-compound area**



**Photo 3: View east of proposed tower compound**



**Photo 4: View west of proposed tower compound (note existing building housing indoor batting cages)**



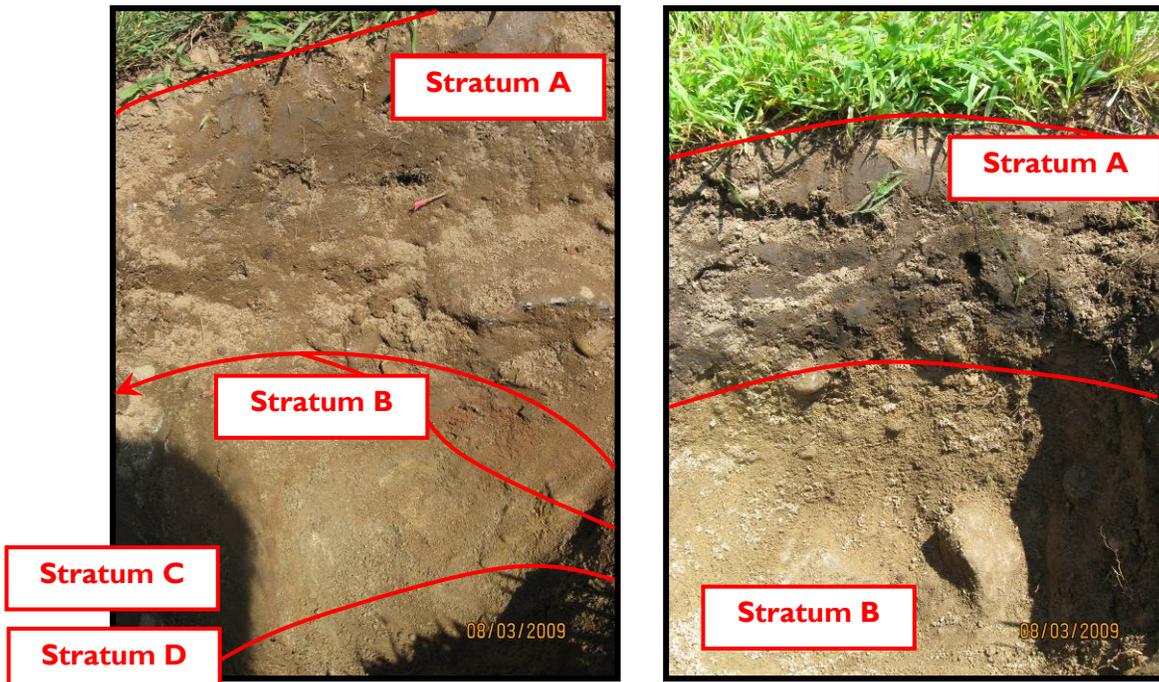
**Photo 5: View southeast of underground utility corridor route to left of existing access drive**



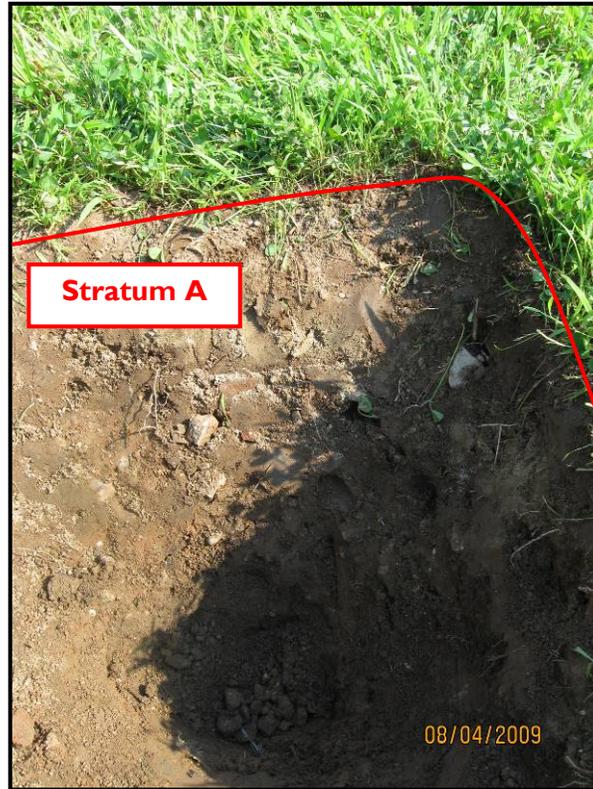
**Photo 6: View southeast of underground utility corridor**



**Photo 7: View southwest of underground utility corridor and existing access drive**



**Photo 8 and 9: STP # 1(left) and STP #2 (right) soil profiles**



**Photo 10: STP #4 soil profile**

NT SUBMISSION PACKET – FCC FORM 620

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

**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.

Based on Mr. Keegan's review of the files at the Dodd Research Center, the results of any comments received from Indian Tribes, NHOs, local governments, or members of the public that identify Historic Properties in the APE for visual effects that are not listed in Attachment 8a, and the results of Ms. Courselle's evaluation of each property in the APE for direct effects, not listed in Attachment 9a, according to the National Register of Historic Places criteria of eligibility (36 C.F.R. Part 63), EBI finds that no Historic Properties will be affected by the proposed undertaking. We request your concurrence with this determination.

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

As of the date of this report, there has been no correspondence with the SHPO/THPO.

- 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.

As noted in Attachment 10a, no effects are expected as a result of the proposed facility; therefore, alternatives that might avoid, minimize, or mitigate any adverse effects need not be considered.

**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.

Please see the attached Photographs, which were taken by Ms. Courselle on January 6, 2009, unless otherwise noted. A photograph location map is included in Attachment 12, Maps.

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

NT SUBMISSION PACKET – FCC FORM 620

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



1. Facing southeast to the Project Site.



2. Facing west to the Project Site.

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

NT SUBMISSION PACKET – FCC FORM 620

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



3. Facing north to the Project Site.



4. Facing east to the Project Site.

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

NT SUBMISSION PACKET – FCC FORM 620

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



5. Soil at Project Site



6. View north from the Project Site.

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

NT SUBMISSION PACKET – FCC FORM 620

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



7. View east from the Project Site.



8. View south from the Project Site.

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

NT SUBMISSION PACKET – FCC FORM 620

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



9. View west from the Project Site.



10. Facing southwest from the Project Site.

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

NT SUBMISSION PACKET – FCC FORM 620

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



11. Facing southeast along the proposed utility route.



12. Facing southeast along the proposed utility route.

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

NT SUBMISSION PACKET – FCC FORM 620

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



13. Facing southeast  
along the existing  
access route.



14. Facing west/  
southwest along  
the existing access  
drive.

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

NT SUBMISSION PACKET – FCC FORM 620

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



15. Facing southeast toward the Subject Property building.



16. Facing east/northeast along the proposed utility route.

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

NT SUBMISSION PACKET – FCC FORM 620

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



17. View north from the existing access drive.



18. Facing southwest along the proposed utility and access routes.

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

NT SUBMISSION PACKET – FCC FORM 620

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



19. Facing east along existing railroad grade.



20. Facing west along existing railroad grade.

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

NT SUBMISSION PACKET - FCC FORM 620

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



21. Facing northeast to railroad grade.



22. Facing southeast toward golf course from railroad grade and creek.

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

NT SUBMISSION PACKET – FCC FORM 620

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



23. Facing northwest toward Project Site from adjacent golf course.



24. Facing southeast to golf course.

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

NT SUBMISSION PACKET – FCC FORM 620

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



25. Facing west/  
southwest from  
Subject Property  
building.



26. Facing southeast  
along Buttonball  
Road.

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

NT SUBMISSION PACKET – FCC FORM 620

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



27. Facing northwest  
along Buttonball  
Road.



28. Facing southeast  
along Buttonball  
Road.

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

NT SUBMISSION PACKET – FCC FORM 620

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



29. Facing southeast  
along Buttonball  
Road.



30. Facing southeast  
along Buttonball  
Road.

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

NT SUBMISSION PACKET – FCC FORM 620

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



31. Facing northeast toward the Project Site from Buttonball Road.



32. Facing southeast along Buttonball Road.

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

NT SUBMISSION PACKET – FCC FORM 620

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



33. Facing northeast toward the Project Site from Buttonball Road.



34. Facing south along Buttonball Road.

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

NT SUBMISSION PACKET – FCC FORM 620

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

**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 collocation site and any new access roads or other easements including excavations.
- c. Show the locations of each property listed Attachments 8 and 9.
- d. Include keys for any symbols, colors, or other identifiers.

The following maps have been attached to this report:

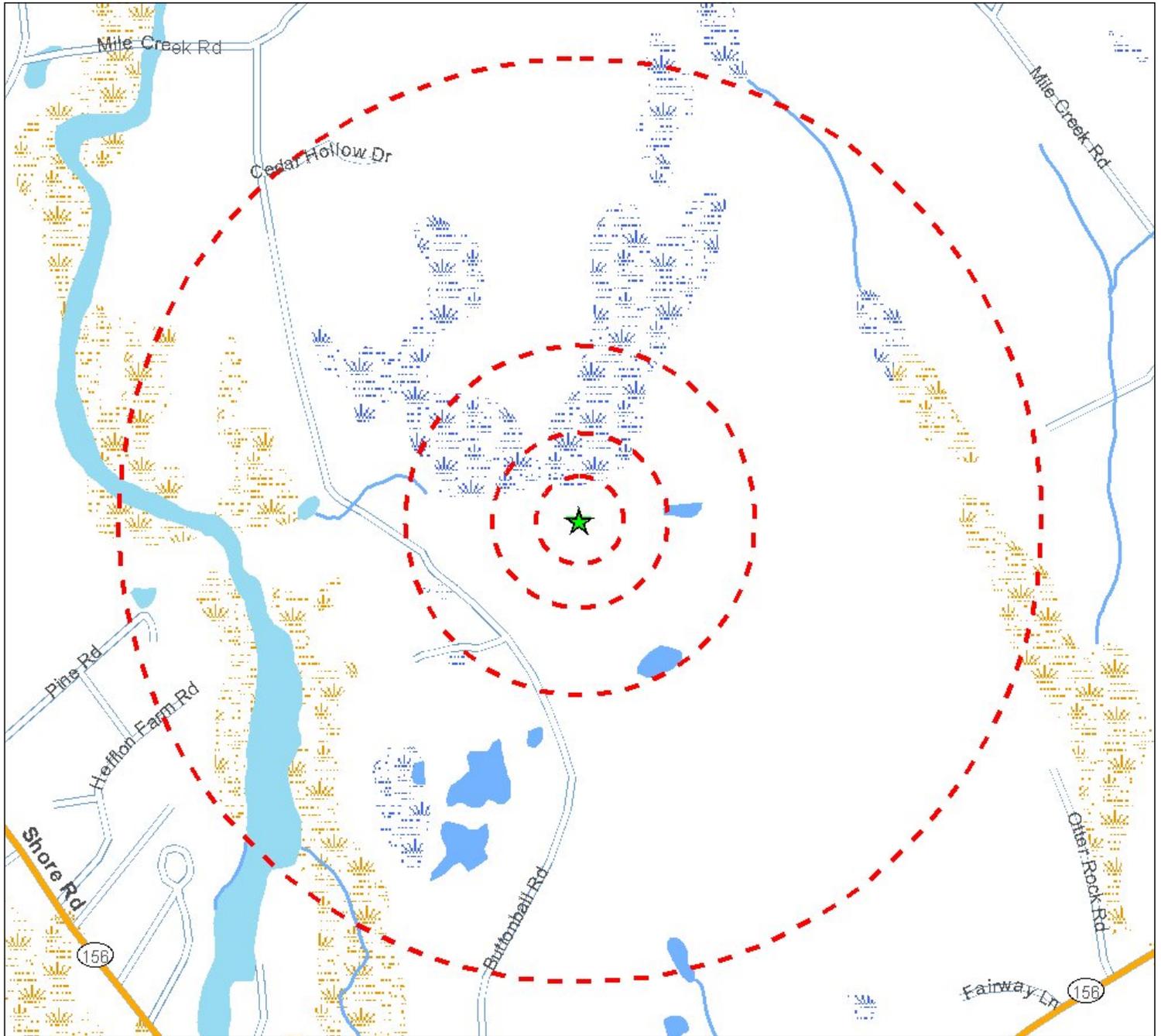
Street Map (Figure 1)

Topographic Map (Figure 2)

Photo Location Maps (Figure 3 & Figure 4)

Site Plans/Lease Exhibits provided by T-Mobile Northeast, LLC

Applicant's Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A



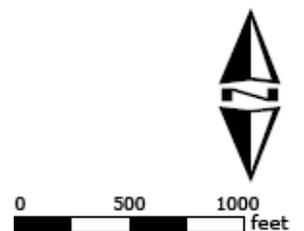
Legend

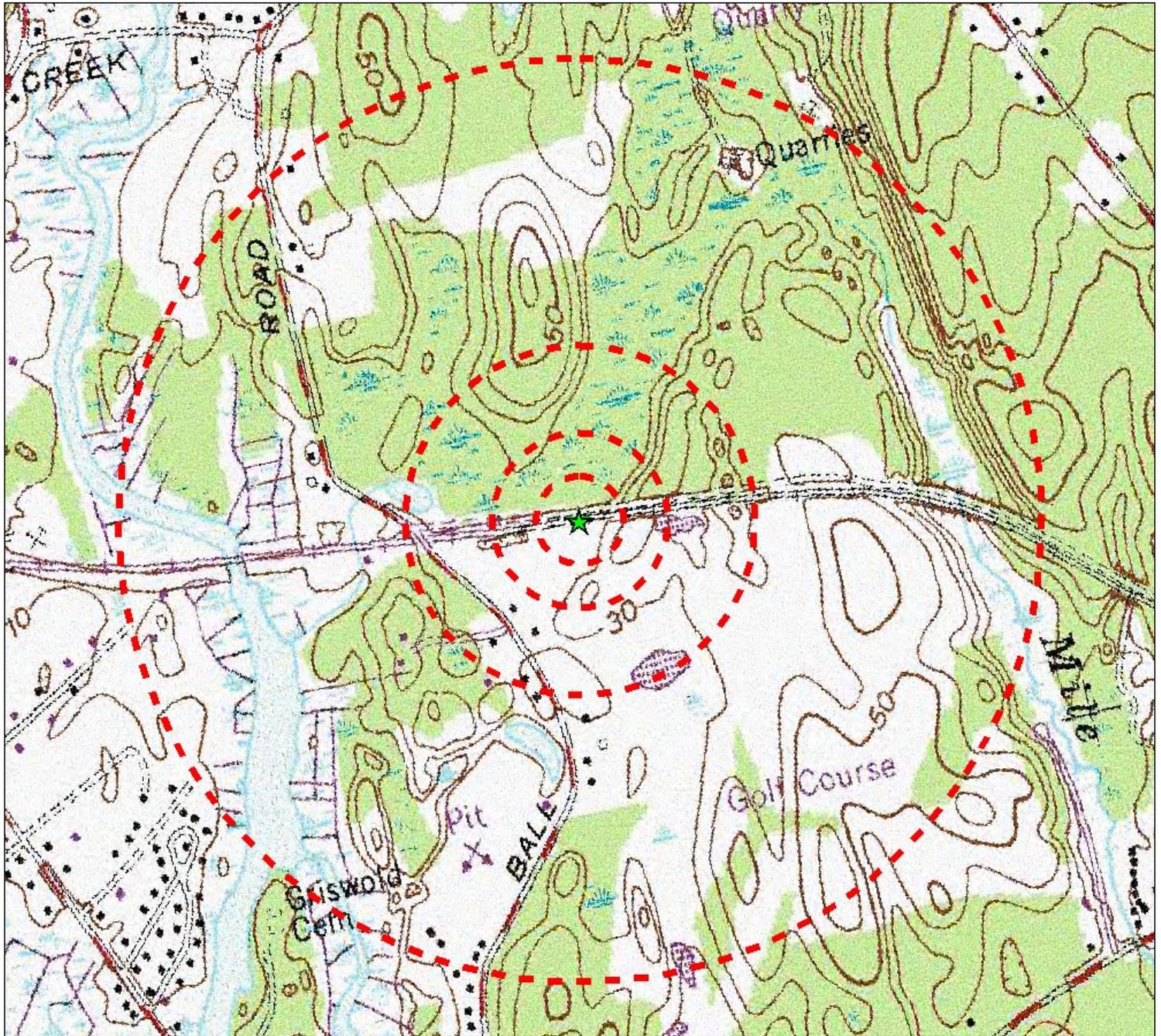
- ★ Project Site
- Site Buffer at 250', 500', 1000' and 1/2 mile

Source: Selected data from ESRI, EBI and NWI

Figure 1 - Site Location Map

CTNL801A/Amtrak Old Lyme 2  
61-1 Buttonball Road  
Old Lyme, CT 06371-1757





Legend

- ★ Project Site
- ▭ Site Buffer at 250', 500', 1000' and 1/2 mile

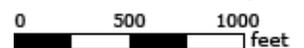
USGS 24k Quad: Old Lyme, CT 1971

Source: Selected data from ESRI, EBI and USGS

Figure 2 - USGS Quad Location Map

CTNL801A/Amtrak Old Lyme 2  
 61-1 Buttonball Road  
 Old Lyme, CT 06371-1757

PN: 61087700



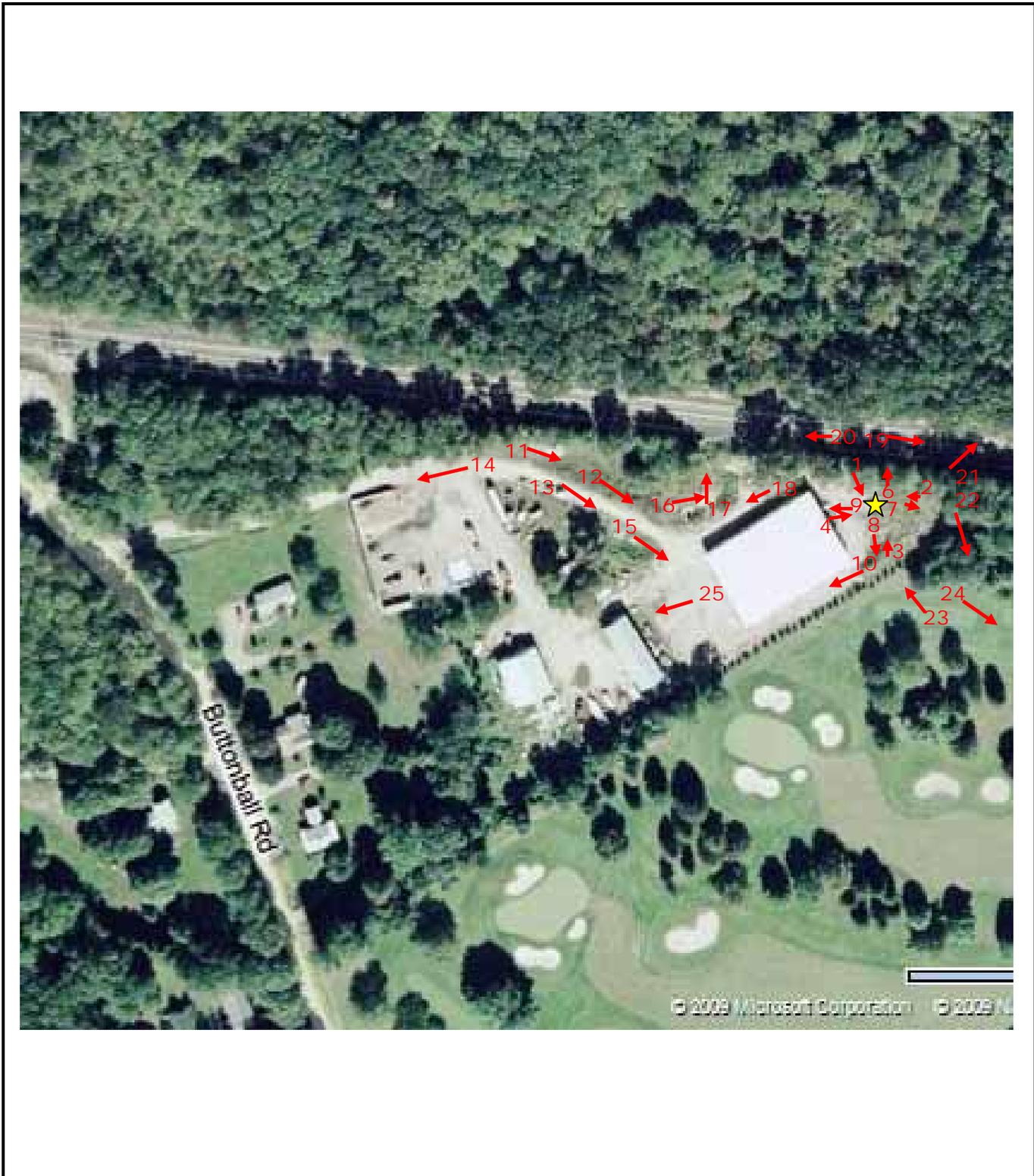


Figure 3 - Photo Location Map 1

CTNL801A / Amtrak Old Lyme 2  
61-1 Buttonball Road  
Old Lyme, CT 06371

PN: 61087700

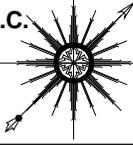


Figure 4 - Photo Location Map 2

CTNL801A / Amtrak Old Lyme 2  
61-1 Buttonball Road  
Old Lyme, CT 06371

**ALL-POINTS TECHNOLOGY CORPORATION, P.C.**

3 SADDLEBROOK DRIVE  
KILLINGWORTH, CT. 06419  
PHONE: (860)-663-1697  
FAX: (860)-663-0935  
www.allpointstech.com



**APT FILING NUMBER: CT-255T-380**

LE-1

SCALE: AS NOTED

DRAWN BY: AAJ

DATE: 11/16/08

CHECKED BY: SMC

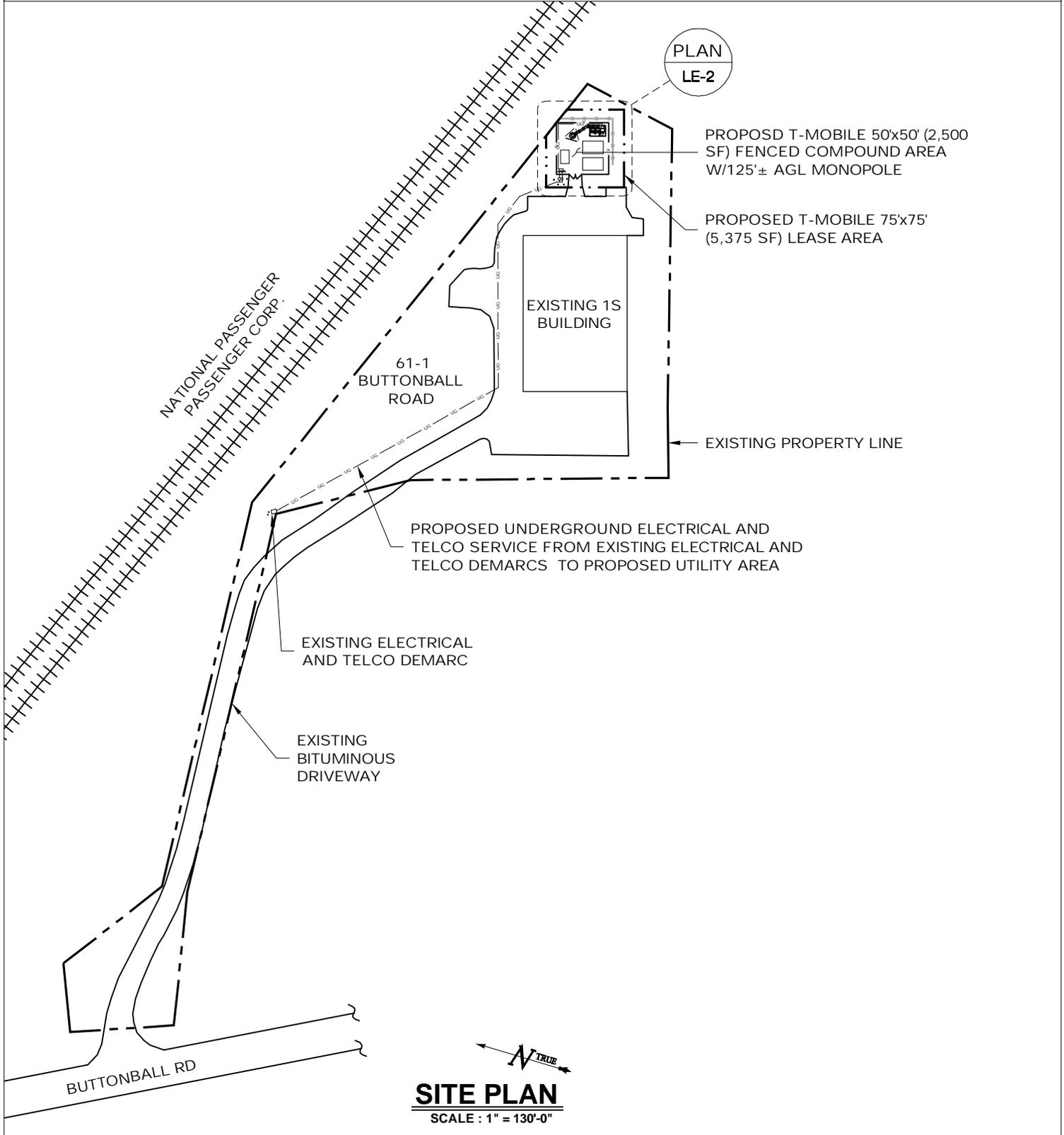


35 GRIFFIN ROAD  
BLOOMFIELD, CT 06002  
OFFICE: (860)-692-7100

**T-MOBILE SITE NUMBER  
CTNL801A**

**AMTRAK OLD LYME 2  
61-1 BUTTONBALL ROAD  
OLD LYME, CT 06371-1757**

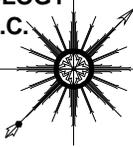
NOTE:  
PER FCC MANDATE, ENHANCED EMERGENCY (E911) SERVICE IS REQUIRED TO MEET NATIONWIDE STANDARDS FOR WIRELESS COMMUNICATIONS SYSTEMS. OMNIPOINT COMMUNICATIONS INC. IMPLEMENTATION REQUIRES DEPLOYMENT OF EQUIPMENT AND ANTENNAS GENERALLY DEPICTED ON THIS PLAN, ATTACHED TO OR MOUNTED IN CLOSE PROXIMITY TO THE BTS RADIO CABINETS. OMNIPOINT COMMUNICATIONS INC. RESERVES THE RIGHT TO MAKE REASONABLE MODIFICATIONS TO E911 EQUIPMENT AND LOCATION AS TECHNOLOGY EVOLVES TO MEET REQUIRED SPECIFICATIONS.  
ALL EQUIPMENT LOCATIONS ARE APPROXIMATE AND ARE SUBJECT TO APPROVAL BY OMNIPOINT COMMUNICATIONS INC. STRUCTURAL & RF ENGINEERS. LOCATIONS OF POWER & TELEPHONE FACILITIES AND APPLICABLE EASEMENTS ARE SUBJECT TO APPROVAL AS PER UTILITY COMPANIES DIRECTION.



**SITE PLAN**  
SCALE: 1" = 130'-0"

**ALL-POINTS TECHNOLOGY CORPORATION, P.C.**

3 SADDLEBROOK DRIVE  
KILLINGWORTH, CT, 06419  
PHONE: (860)-663-1697  
FAX: (860)-663-0935  
www.allpointstech.com



**APT FILING NUMBER: CT-255T-380**

LE-2

SCALE: AS NOTED

DRAWN BY: AAJ

DATE: 11/16/08

CHECKED BY: SMC

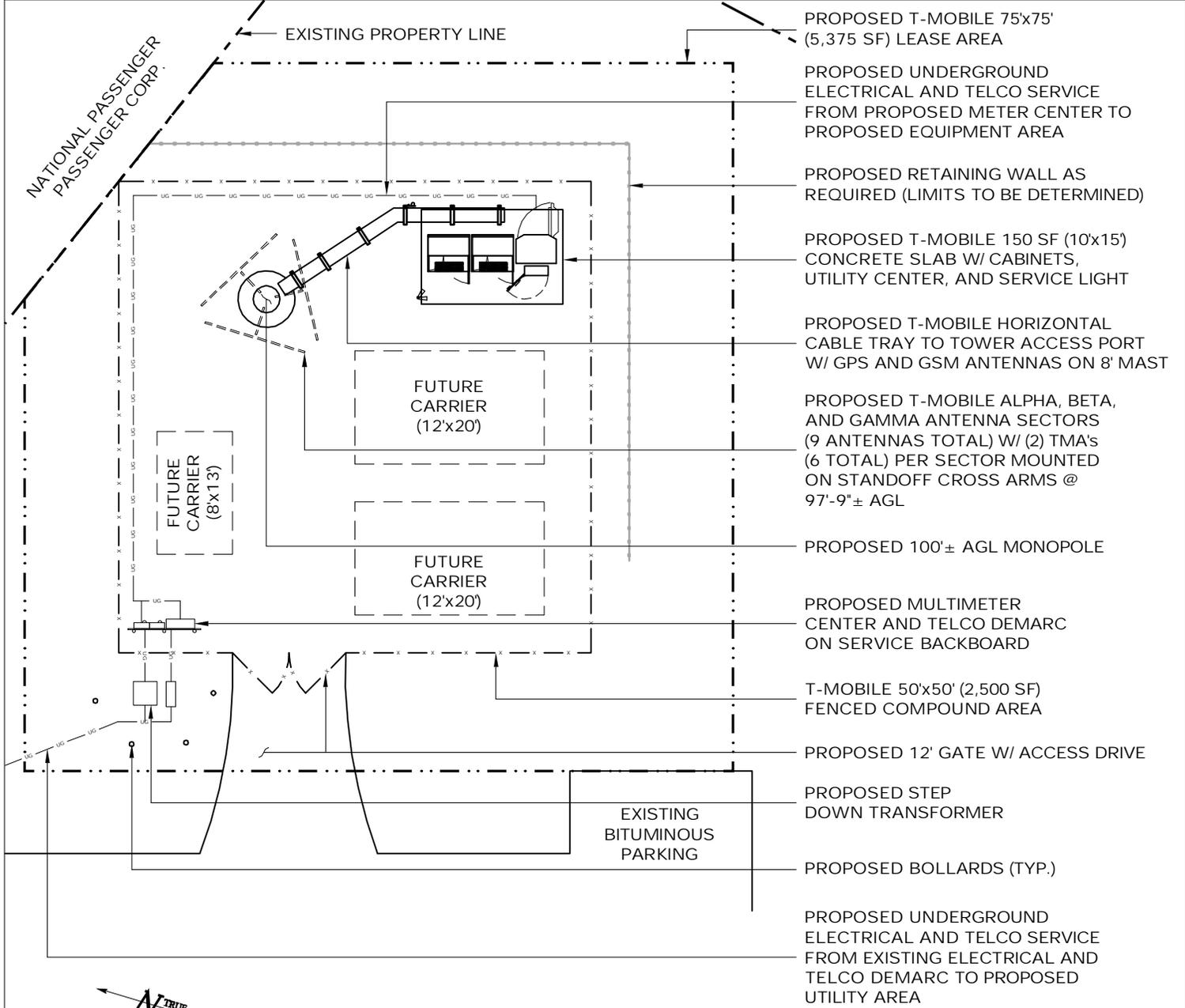


35 GRIFFIN ROAD  
BLOOMFIELD, CT 06002  
OFFICE: (860)-692-7100

**T-MOBILE SITE NUMBER  
CTNL801A**

**AMTRAK OLD LYME 2  
61-1 BUTTONBALL ROAD  
OLD LYME, CT 06371-1757**

**NOTE:**  
PER FCC MANDATE, ENHANCED EMERGENCY (E911) SERVICE IS REQUIRED TO MEET NATIONWIDE STANDARDS FOR WIRELESS COMMUNICATIONS SYSTEMS. OMNIPOINT COMMUNICATIONS INC. IMPLEMENTATION REQUIRES DEPLOYMENT OF EQUIPMENT AND ANTENNAS GENERALLY DEPICTED ON THIS PLAN, ATTACHED TO OR MOUNTED IN CLOSE PROXIMITY TO THE BTS RADIO CABINETS. OMNIPOINT COMMUNICATIONS INC. RESERVES THE RIGHT TO MAKE REASONABLE MODIFICATIONS TO E911 EQUIPMENT AND LOCATION AS TECHNOLOGY EVOLVES TO MEET REQUIRED SPECIFICATIONS.  
ALL EQUIPMENT LOCATIONS ARE APPROXIMATE AND ARE SUBJECT TO APPROVAL BY OMNIPOINT COMMUNICATIONS INC. STRUCTURAL & RF ENGINEERS. LOCATIONS OF POWER & TELEPHONE FACILITIES AND APPLICABLE EASEMENTS ARE SUBJECT TO APPROVAL AS PER UTILITY COMPANIES DIRECTION.

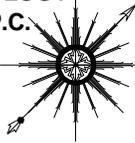


**COMPOUND PLAN**

SCALE: 1/16" = 1'-0"

**ALL-POINTS TECHNOLOGY CORPORATION, P.C.**

3 SADDLEBROOK DRIVE  
KILLINGWORTH, CT, 06419  
PHONE: (860)-663-1697  
FAX: (860)-663-0935  
www.allpointstech.com



**APT FILING NUMBER: CT-255T-380**

LE-3

SCALE: AS NOTED

DRAWN BY: AAJ

DATE: 11/16/08

CHECKED BY: SMC

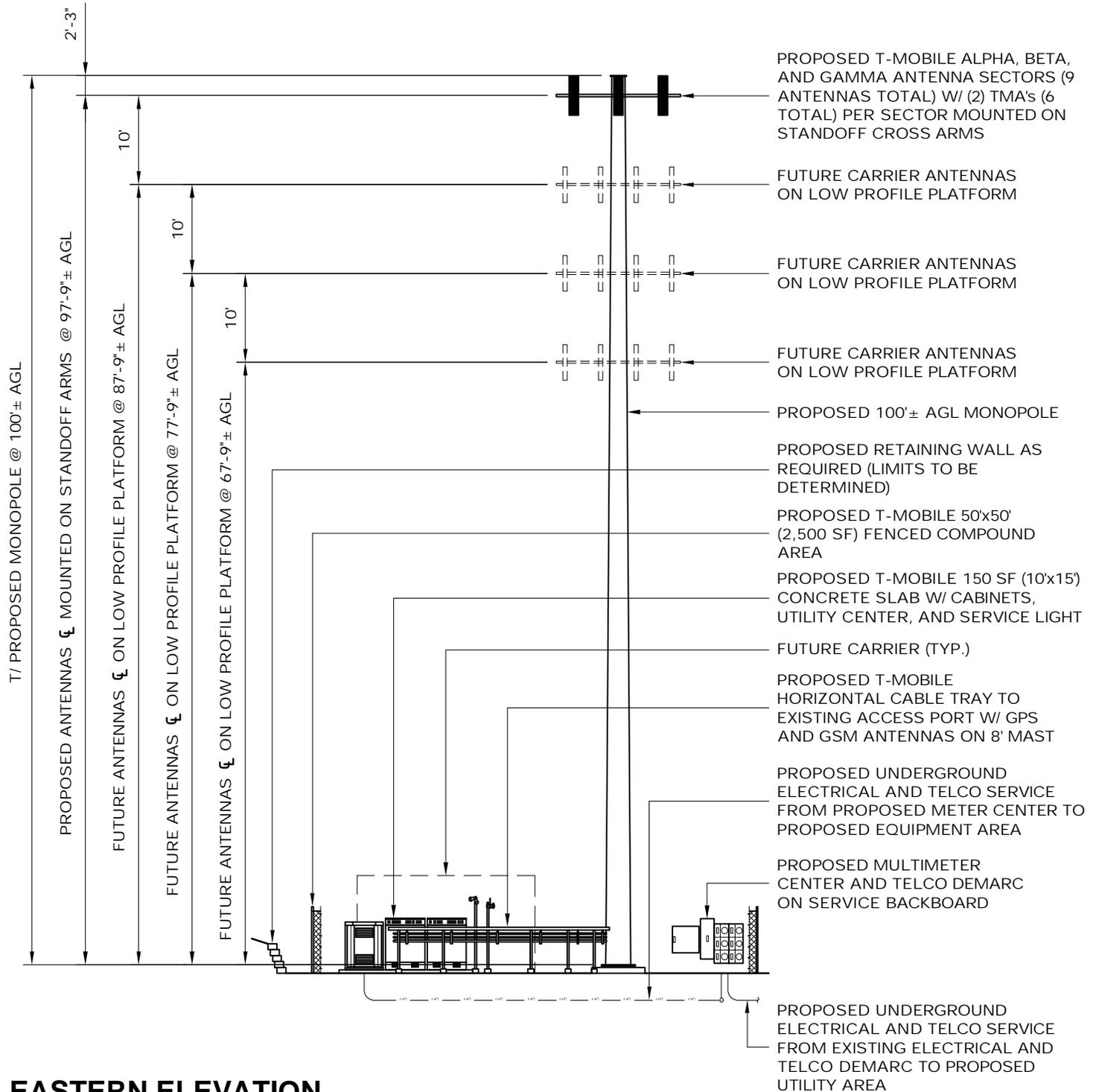


35 GRIFFIN ROAD  
BLOOMFIELD, CT 06002  
OFFICE: (860)-692-7100

**T-MOBILE SITE NUMBER  
CTNL801A**

**AMTRAK OLD LYME 2  
61-1 BUTTONBALL ROAD  
OLD LYME, CT 06371-1757**

NOTE:  
PER FCC MANDATE, ENHANCED EMERGENCY (E911) SERVICE IS REQUIRED TO MEET NATIONWIDE STANDARDS FOR WIRELESS COMMUNICATIONS SYSTEMS. OMNIPPOINT COMMUNICATIONS INC. IMPLEMENTATION REQUIRES DEPLOYMENT OF EQUIPMENT AND ANTENNAS GENERALLY DEPICTED ON THIS PLAN, ATTACHED TO OR MOUNTED IN CLOSE PROXIMITY TO THE BTS RADIO CABINETS. OMNIPPOINT COMMUNICATIONS INC. RESERVES THE RIGHT TO MAKE REASONABLE MODIFICATIONS TO E911 EQUIPMENT AND LOCATION AS TECHNOLOGY EVOLVES TO MEET REQUIRED SPECIFICATIONS.  
ALL EQUIPMENT LOCATIONS ARE APPROXIMATE AND ARE SUBJECT TO APPROVAL BY OMNIPPOINT COMMUNICATIONS INC. STRUCTURAL & RF ENGINEERS. LOCATIONS OF POWER & TELEPHONE FACILITIES AND APPLICABLE EASEMENTS ARE SUBJECT TO APPROVAL AS PER UTILITY COMPANIES DIRECTION.



**EASTERN ELEVATION**

SCALE: 1" = 20' 0"

NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB

3060-1039

Estimated Time Per Response:

.5 to 10 hours

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.

Submission Packet Works Cited:

*USGS Topographic Map, Old Lyme, CT, 1971.*

SHPO File Review performed by William Keegan of Heritage Consultants, LLC on January 5, 2009.

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT

The FCC is authorized under the Communications Act of 1934, as amended, to collect the personal information we request in this form. We will use the information provided in the application to determine whether approving this application is in the public interest. If we believe there may be a violation or potential violation of a FCC statute, regulation, rule or order, your application may be referred to the Federal, state or local agency responsible for investigating, prosecuting, enforcing or implementing the statute, rule, regulation or order. In certain cases, the information in your application may be disclosed to the Department of Justice or a court or adjudicative body when (a) the FCC; (b) any employee of the FCC; or (c) the United States Government is a party to a proceeding before the body or has an interest in the proceeding. In addition, all information provided in this form will be available for public inspection.

If you owe a past due debt to the federal government, any information you provide may also be disclosed to the Department of Treasury Financial Management Service, other federal agencies and/or your employer to offset your salary, IRS tax refund or other payments to collect that debt. The FCC may also provide this information to these agencies through the matching of computer records when authorized.

If you do not provide the information requested on this form, the application may be returned without action having been taken upon it or it processing may be delayed while a request is made to provide the missing information. Your response is required to obtain the requested authorization.

We have estimated that each response to this collection of information will take an average of .50 to 10 hours. Our estimate includes the time to read the instructions, look through existing records, gather and maintain the required data, and actually complete and review the form or response. If you have any comments on this estimate, or on how we can improve the collection and reduce the burden it causes you, please write the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-1039), Washington, DC 20554. We will also accept your comments via the Internet if your send them to PRA@fcc.gov. Please DO NOT SEND COMPLETED APPLICATIONS TO THIS ADDRESS. Remember - you are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number of if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-1039.

All parties and entities doing business with the Commission must obtain a unique identifying number called the FCC Registration Number (FRN) and supply it when doing business with the Commission. Failure to provide the FRN may delay the processing of the application. This requirement is to facilitate compliance with the Debt Collection Improvement Act of 1996 (DCIA). The FRN can be obtained electronically through the FCC webpage at <http://www.fcc.gov> or by manually submitting FCC Form 160. FCC Form 160 is available from the FCC’s web site at <http://www.fcc.gov/formpage.html>, by calling the FCC’s Forms Distribution Center 1-800-418-FORM (3676), or from Federal Communications Commission Fax Information System by dialing (202) 418-0177.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1995, P.L. 104-13, OCTOBER 1, 1995, 44 U.S.C. 3507.

Applicant’s Name: T-Mobile Northeast, LLC  
Project Name: Amtrak Old Lyme 2  
Project Number: CTNL801A

**Shipped via Optima Worldwide Shipping on behalf of:**

EBI Consulting  
 21 B Street  
 Burlington, MA 01803



<b>SHIP DATE</b>	08/26/2009	<b>TRACKING NUMBER</b>	Z30003314897203
<b>ACCOUNT #</b>	9510-6964	<b>PROJECT NUMBER-REPORT TYPE</b>	61087700

**Ship To Address:**

Mr. David Poirier, Staff Archaeologist  
 Connecticut Commission on Culture and  
 Tourism  
 One Connecticut Plaza; Second Floor  
 Hartford, CT 06103  
 US



NR

**Phone:**

SERVICE LEVELS	VALUE	OTHER SERVICES	SHIPMENT NOTES/SPECIAL INSTRUCTIONS
2ND DAY	100		

1 OF 1



.....  
 FOLD HERE AND PLACE IN WINDOW ENVELOPE - SECURELY ATTACH WINDOW ENVELOPE TO SHIPMENT

**Shipped via Optima Worldwide Shipping on behalf of:**

EBI Consulting  
 21 B Street  
 Burlington, MA 01803



<b>SHIP DATE</b>	09/29/2009	<b>TRACKING NUMBER</b>	Z10027374294203
<b>ACCOUNT #</b>	9510-6964	<b>PROJECT NUMBER-REPORT TYPE</b>	61087700

**Ship To Address:**

Mr. David Poirier, Staff Archaeologist  
 Connecticut Commission on Culture and  
 Tourism  
 One Connecticut Plaza; Second Floor  
 Hartford, CT 06103  
 US



NR

**Phone:**

SERVICE LEVELS	VALUE	OTHER SERVICES	SHIPMENT NOTES/SPECIAL INSTRUCTIONS
2ND DAY	100		

1 OF 1



.....  
 FOLD HERE AND PLACE IN WINDOW ENVELOPE - SECURELY ATTACH WINDOW ENVELOPE TO SHIPMENT

**APPENDIX E**  
**TRIBAL CORRESPONDENCE**

## Piyal Basu

---

**From:** towernotifyinfo@fcc.gov  
**Sent:** Friday, November 28, 2008 3:01 AM  
**To:** Jeffrey George  
**Cc:** kim.pristello@fcc.gov; diane.dupert@fcc.gov  
**Subject:** NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #2075400

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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. THPO Kathleen Knowles - Mashantucket Pequot Tribe - Mashantucket, CT - electronic mail Exclusions: For every tower construction this Tribe requires a site location map, site plans for every project that will result in ground disturbance, and a detailed description of the proposed site. If the proposed tower construction is on an already existing building, the Tribe would like to be informed of that as well.

2. Staff Archaeologist Dr. Jeffrey Bendremer - Mohegan Indian Tribe - Uncasville, CT - electronic mail and regular mail

Exclusions: Please always include a street map and topo map for every proposed site with the site clearly designated.

3. Cell Tower Coordinator Sequahna Mars - Narragansett Indian Tribe - Wyoming, RI - electronic mail and regular 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.

4. SHPO John W Shannahan - Connecticut Historical Commission - Hartford, CT - electronic mail

5. SHPO Cara Metz - Massachusetts Historical Commission - Boston, MA - electronic mail

6. Deputy SHPO Brona Simon - Massachusetts Historical Commission - Boston, MA - electronic mail

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

8. SHPO Frederick C Williamson - Rhode Island Historic Preservation & Heritage Comm - Providence, RI - regular mail

9. Deputy SHPO Edward F Sanderson - Rhode Island Historic Preservation & Heritage Comm - Providence, RI - electronic mail

10. SHPO Karen J Senich - Connecticut Commission on Culture and Tourism - Hartford, CT - 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: 11/25/2008  
Notification ID: 47194  
Tower Owner Individual or Entity Name: T Mobile USA  
Consultant Name: Jeff G Previte  
Street Address: 21 B Street  
City: Burlington  
State: MASSACHUSETTS  
Zip Code: 01803  
Phone: 781-418-2345  
Email: jgeorge@ebiconsulting.com

Structure Type: UTOWER - Unguyed - Free Standing Tower  
Latitude: 41 deg 17 min 47.0 sec N  
Longitude: 72 deg 18 min 4.0 sec W  
Location Description: 61 buttonball rd  
City: old lyme  
State: CONNECTICUT  
County: NEW LONDON  
Ground Elevation: 35.0 meters  
Support Structure: 100.0 meters above ground level  
Overall Structure: 100.0 meters above ground level

Overall Height AMSL: 135.0 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

## Piyal Basu

---

**From:** towernotifyinfo@fcc.gov  
**Sent:** Tuesday, November 25, 2008 4:24 PM  
**To:** Jeffrey George  
**Subject:** Proposed Tower Structure Info - Email ID #2073348

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Dear Jeff G Previte,

Thank you for submitting a notification regarding your proposed structure via the Tower Construction Notification Application. Note that the FCC has assigned a unique Notification ID number for this proposed structure. You will need to reference this Notification ID number when you update your project's Status with us.

Below are the details you provided for the tower you have proposed to construct:

Notification Received: 11/25/2008

Notification ID: 47194  
Tower Owner Individual or Entity Name: T Mobile USA  
Consultant Name: Jeff G Previte  
Street Address: 21 B Street  
City: Burlington  
State: MASSACHUSETTS  
Zip Code: 01803  
Phone: 781-418-2345  
Email: [jgeorge@ebiconsulting.com](mailto:jgeorge@ebiconsulting.com)

Structure Type: UTOWER - Unguyed - Free Standing Tower  
Latitude: 41 deg 17 min 47 sec N  
Longitude: 72 deg 18 min 4 sec W  
Location Description: 61 buttonball rd  
City: old lyme  
State: CONNECTICUT  
County: NEW LONDON  
Ground Elevation: 35 meters  
Support Structure: 100 meters above ground level  
Overall Structure: 100 meters above ground level  
Overall Height AMSL: 135 meters above mean sea level

## Piyal Basu

---

**From:** towernotifyinfo@fcc.gov  
**Sent:** Monday, December 01, 2008 3:20 PM  
**To:** Jeffrey George  
**Cc:** towernotifyinfo@fcc.gov; KKnowles@mptn-nsn.gov  
**Subject:** Reply to Proposed Tower Structure (Notification ID #47194) - Email ID #2077944

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Dear Jeff G Previte,

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this email is to inform you that an authorized user of the TCNS has replied to a proposed tower construction notification that you had submitted through the TCNS.

The following message has been sent to you from THPO Kathleen Knowles of the Mashantucket Pequot Tribe in reference to Notification ID #47194:

Dear Mr. Previte,  
Regarding Notification ID # 47194, after reviewing the information provided, we have no knowledge of properties of religious and cultural importance to the Mashantucket Pequot Tribe. However, we recommend a Phase I Archaeological Reconnaissance Survey be conducted to identify previously unknown properties of cultural and religious importance. We would appreciate a copy of any work performed on this project.  
Kathleen Knowles,  
Tribal Historic Preservation Officer  
Mashantucket Pequot Tribe

For your convenience, the information you submitted for this notification is detailed below.

Notification Received: 11/25/2008  
Notification ID: 47194  
Tower Owner Individual or Entity Name: T Mobile USA  
Consultant Name: Jeff G Jeff  
Street Address: 21 B Street  
City: Burlington  
State: MASSACHUSETTS  
Zip Code: 01803  
Phone: 781-418-2345  
Email: [jgeorge@ebiconsulting.com](mailto:jgeorge@ebiconsulting.com)

Structure Type: UTOWER - Unguyed - Free Standing Tower  
Latitude: 41 deg 17 min 47.0 sec N  
Longitude: 72 deg 18 min 4.0 sec W  
Location Description: 61 buttonball rd  
City: old lyme  
State: CONNECTICUT  
County: NEW LONDON  
Ground Elevation: 35.0 meters

Support Structure: 100.0 meters above ground level  
Overall Structure: 100.0 meters above ground level  
Overall Height AMSL: 135.0 meters above mean sea level

## Piyal Basu

---

**From:** towernotifyinfo@fcc.gov  
**Sent:** Sunday, December 07, 2008 6:58 PM  
**To:** Jeffrey George  
**Cc:** towernotifyinfo@fcc.gov; sequahna@yahoo.com  
**Subject:** Reply to Proposed Tower Structure (Notification ID #47194) - Email ID #2081031

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Dear Jeff G Previte,

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this email is to inform you that an authorized user of the TCNS has replied to a proposed tower construction notification that you had submitted through the TCNS.

The following message has been sent to you from Cell Tower Coordinator Sequahna Mars of the Narragansett Indian Tribe in reference to Notification ID #47194:

On behalf of the Narragansett Indian Tribe, the Narragansett Indian Tribal Historic Preservation Office is hereby formally initiating consultation and review of cell tower site designated by TCNS # 47194, located in Old Lyme, CT. Follow-up on behalf of the cell tower carrier should be initiated by contacting Sequahna Mars, at [sequahna@yahoo.com](mailto:sequahna@yahoo.com), or Doug Harris, at 401-742-4035, or [dh@nithpo.com](mailto:dh@nithpo.com). Thank you.

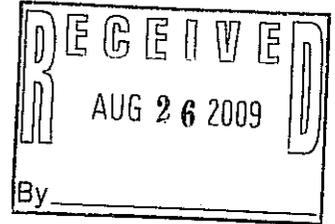
For your convenience, the information you submitted for this notification is detailed below.

Notification Received: 11/25/2008  
Notification ID: 47194  
Tower Owner Individual or Entity Name: T Mobile USA  
Consultant Name: Jeff G Jeff  
Street Address: 21 B Street  
City: Burlington  
State: MASSACHUSETTS  
Zip Code: 01803  
Phone: 781-418-2345  
Email: [jgeorge@ebiconsulting.com](mailto:jgeorge@ebiconsulting.com)

Structure Type: UTOWER - Unguyed - Free Standing Tower  
Latitude: 41 deg 17 min 47.0 sec N  
Longitude: 72 deg 18 min 4.0 sec W  
Location Description: 61 buttonball rd  
City: old lyme  
State: CONNECTICUT  
County: NEW LONDON  
Ground Elevation: 35.0 meters  
Support Structure: 100.0 meters above ground level  
Overall Structure: 100.0 meters above ground level  
Overall Height AMSL: 135.0 meters above mean sea level



8-21-09



Ms Amber Courselle,  
Architectural Historian  
EBI Consulting  
21 B Street  
Burlington, Massachusetts 01803

Re: PHASE I ARCHAEOLOGICAL LITERATURE REVIEW AND FIELD SURVEY  
CTNL80 1 A/AMTRAK OLD LYME 2 61-1 BUTTONBALL ROAD  
OLD LYME, NEW LONDON COUNTY CONNECTICUT 06371-1757  
EBI PROJECT NO. 61087700  
TCNS NOTIFICATION ID # 47194

Dear Ms Courselle,

I have reviewed the Phase I Archaeological Literature Review And Field Survey entitled "PHASE I ARCHAEOLOGICAL LITERATURE REVIEW AND FIELD SURVEY CTNL80 1 A/AMTRAK OLD LYME 2 61-1 BUTTONBALL ROAD OLD LYME, NEW LONDON COUNTY CONNECTICUT 06371-1757 EBI PROJECT NO. 61087700," submitted by EBI Consulting. The research design and testing strategy meets acceptable professional standards, and I agree with the recommendations and conclusions. Please keep me informed of any further developments with respect to this project.

Sincerely,

*Kathleen Knowles*  
Kathleen Knowles,  
Tribal Historic Preservation Officer  
Mashantucket Pequot Tribe

MASHANTUCKET PEQUOT MUSEUM  
& RESEARCH CENTER  
110 Pequot Trail, PO Box 3180  
Mashantucket, CT 06338  
Phone: 860 396 6800  
Fax: 860 396 6850  
www.pequotmuseum.org

A Bills .46  
 Acc Cd .35  
 ACS Nil .89  
 ADC TI .66  
 ADEC .1  
 AES  
 AF

**EnviroBusiness, Inc.**  
 21 B STREET  
 BURLINGTON, MA 01803-3485  
 (781)273-2500

CENTURY BANK 810  
 MALDEN, MASSACHUSETTS 02148  
 53-139/113

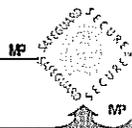
53707

CHECK DATE June 17, 2009

**PAY** One Thousand and 00/100 Dollars

**TO** Narragansett Indian Tribe  
 Ms. Sequahna Mars c/o NITHPO  
 PO Box 350  
 Wyoming RI 02898

**AMOUNT** \$1,000.00  
 VOID AFTER 90 DAYS



THIS DOCUMENT CONTAINS HEAT SENSITIVE INK. TOUCH OR PRESS HERE. RED INK IMAGE DISAPPEARS WITH HEAT.

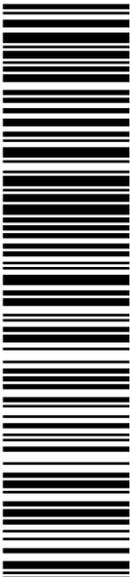
⑈053707⑈ ⑆011301390⑆ ⑈21 28638 8⑈

**EnviroBusiness, Inc.**

53707

Invoice Number	Date	Voucher	Amount	Discounts	Previous Pay	Net Amount
61087700	06/17/09	000000083687	1,000.00	0.00	0.00	1,000.00
Narragansett Indian Tribe 10200 53	NARRAGAN	Totals	1,000.00	0.00	0.00	1,000.00

SHIPPING ASSISTANT - LABEL TOTAL: \$4.95

	<b>U.S. POSTAGE REQUIRED</b>
	<b>USPS PRIORITY MAIL®</b>
KRUSHANGI PATEL EBI CONSULTING 21 B ST BURLINGTON MA 01803-3485	SHIP DATE: 6/26/2009 WEIGHT: 0 lb, 6 oz. Flat Rate Envelope Ref#: 61090710
<b>SHIP TO:</b> MS. SEQUAHNA MARS NARRAGANSETT INDIAN TRIBE PO BOX 350 WYOMING RI 02898-0350	
<b>ZIP - e/ USPS DELIVERY CONFIRM</b>	
	
420 02898 9101 8052 1368 3105 6344 44	
Electronic Rate Approved # 805213907	

Cut on dotted line.

### Instructions

1. Please use a laser or laser-quality printer.
2. Adhere shipping label to package with tape or glue - DO NOT TAPE OVER BARCODE. Be sure all edges are secure. Self-adhesive label is recommended.
3. Place label so that it does not wrap around the edge of the package.
4. Affix Priority Mail service postage. There is no extra fee for Delivery Confirmation service.
5. Stamped packages weighing 13 ounces or more may not be placed in Postal Service collection boxes. For information on pickup options, go to the Pickup page on [www.usps.com](http://www.usps.com).
6. Each shipping label number is unique and can be used only once - DO NOT PHOTOCOPY.
7. Please use this shipping label on the "ship date" selected when you requested the label.

### Online e-Label Record

**Delivery Confirmation™ Service Number:**

9101 8052 1368 3105 6344 44

Priority Mail® with electronic option

Delivery Confirmation service\*

Print Date: 06/26/09

Ship Date: 06/26/09

Electronic Option Delivery Confirmation Service Fee: 0.00

**From:** KRUSHANGI PATEL

Ref#: 61090710

EBI CONSULTING

21 B ST

BURLINGTON MA 01803-3485

**To:**

MS. SEQUAHNA MARS

NARRAGANSETT INDIAN TRIBE

PO BOX 350

WYOMING RI 02898-0350

\*Regular Priority Mail Service postage rates apply. There is no fee for Delivery Confirmation service on Priority Mail service with use of this electronic option shipping label. Delivery information is not available by phone for the electronic option.



**Thank you for shipping with the United States Postal Service!**  
Check the status of your shipment on the Track & Confirm page at [www.usps.com](http://www.usps.com)

July 31, 2009

Narragansett Indian Tribe  
NITHPO  
P.O. Box 350  
Wyoming, RI 02898  
Attention: Ms. Sequahna Mars

**RE: Invitation to Comment in Section 106 Consultation Process**  
TCNS Reference No: 47194  
Wireless Site Name: CTNL801A / Amtrak Old Lyme 2  
Site Address: 61-I Buttonball Rd. Old Lyme, New London County, Connecticut  
EBI Project No.: 61087700

Dear Ms. Mars:

*T-Mobile Northeast LLC, a Delaware limited liability corporation is proposing to construct a wireless telecommunications facility at the above-referenced location. T-Mobile Northeast LLC has retained EBI Consulting (EBI) to conduct a review of the proposed telecommunication facility project for compliance with the Federal Communications Commission's Nationwide Programmatic Agreement for Review Under the National Historic Preservation Act (47 CFR Part I, dated January 4, 2005). This notification has been prepared as a follow-up to the Tower Construction Notification System (TCNS) notice (Notification ID 47194, which was sent on November 28, 2008). Additionally, based on EBI's pre-existing relationship with your Tribe, EBI submitted additional information on the proposed project including maps, site plans, photographs, and a review fee on June 17, 2009.*

As of the date of this letter, EBI has not received a response from your Tribe indicating whether you have interest in commenting on this project.

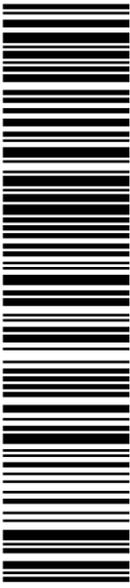
Please respond by August 10, 2009 with an opinion of interest or no interest in commenting further on this project. After that date, T-Mobile Northeast, LLC intends to consider consultation complete. Should you have any questions or require additional information, please contact me at 315-373-5016 or [acourselle@ebiconsulting.com](mailto:acourselle@ebiconsulting.com).

Respectfully Submitted,

Amber Courselle  
Architectural Historian  
315-373-5016  
[acourselle@ebiconsulting.com](mailto:acourselle@ebiconsulting.com)

Attachment A - Project Summary Form

SHIPPING ASSISTANT - LABEL TOTAL: \$4.95

	<b>U.S. POSTAGE REQUIRED</b>
	<b>USPS PRIORITY MAIL®</b>
JAMIE SMITH 21 B ST BURLINGTON MA 01803-3485	SHIP DATE: 8/3/2009 WEIGHT: 0 lb, 6 oz. Flat Rate Envelope
<b>SHIP TO:</b> MS SEQUAHNA MARS NARRAGANSETT INDIAN TRIBE PO BOX 350 WYOMING RI 02898-0350 	<b>ZIP - e/ USPS DELIVERY CONFIRM</b>
 420 02898 9101 8052 1368 3026 8709 07	Electronic Rate Approved # 805213907

Cut on dotted line.

### Instructions

1. Please use a laser or laser-quality printer.
2. Adhere shipping label to package with tape or glue - DO NOT TAPE OVER BARCODE. Be sure all edges are secure. Self-adhesive label is recommended.
3. Place label so that it does not wrap around the edge of the package.
4. Affix Priority Mail service postage. There is no extra fee for Delivery Confirmation service.
5. Stamped packages weighing 13 ounces or more may not be placed in Postal Service collection boxes. For information on pickup options, go to the Pickup page on [www.usps.com](http://www.usps.com).
6. Each shipping label number is unique and can be used only once - DO NOT PHOTOCOPY.
7. Please use this shipping label on the "ship date" selected when you requested the label.

### Online e-Label Record

**Delivery Confirmation™ Service Number:**

9101 8052 1368 3026 8709 07

Priority Mail® with electronic option

Delivery Confirmation service\*

Print Date: 08/03/09

Ship Date: 08/03/09

Electronic Option Delivery Confirmation Service Fee: 0.00

**From:** JAMIE SMITH

21 B ST  
BURLINGTON MA 01803-3485

**To:**

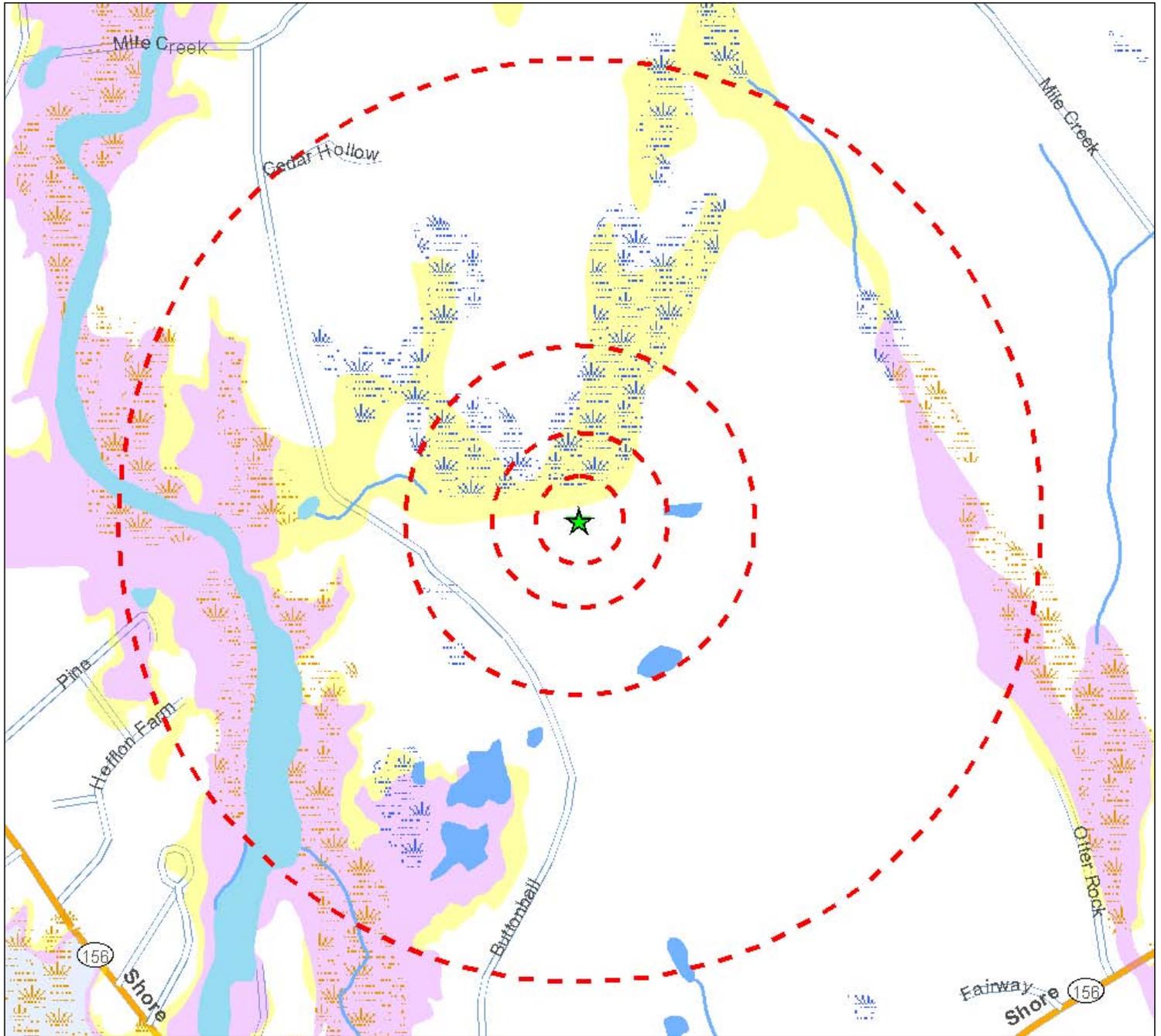
MS SEQUAHNA MARS  
NARRAGANSETT INDIAN TRIBE  
PO BOX 350  
WYOMING RI 02898-0350

\*Regular Priority Mail Service postage rates apply. There is no fee for Delivery Confirmation service on Priority Mail service with use of this electronic option shipping label. Delivery information is not available by phone for the electronic option.



**Thank you for shipping with the United States Postal Service!**  
Check the status of your shipment on the Track & Confirm page at [www.usps.com](http://www.usps.com)

**APPENDIX F**  
**LAND RESOURCES MAP**



Legend

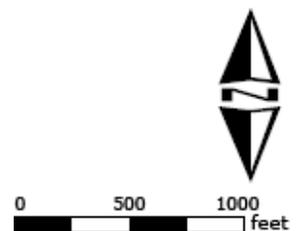
- ★ Project Site
- ▭ Site Buffer at 250', 500', 1000' and 1/2 mile

See associated legend for additional map symbology  
Land and Historic Resources Map

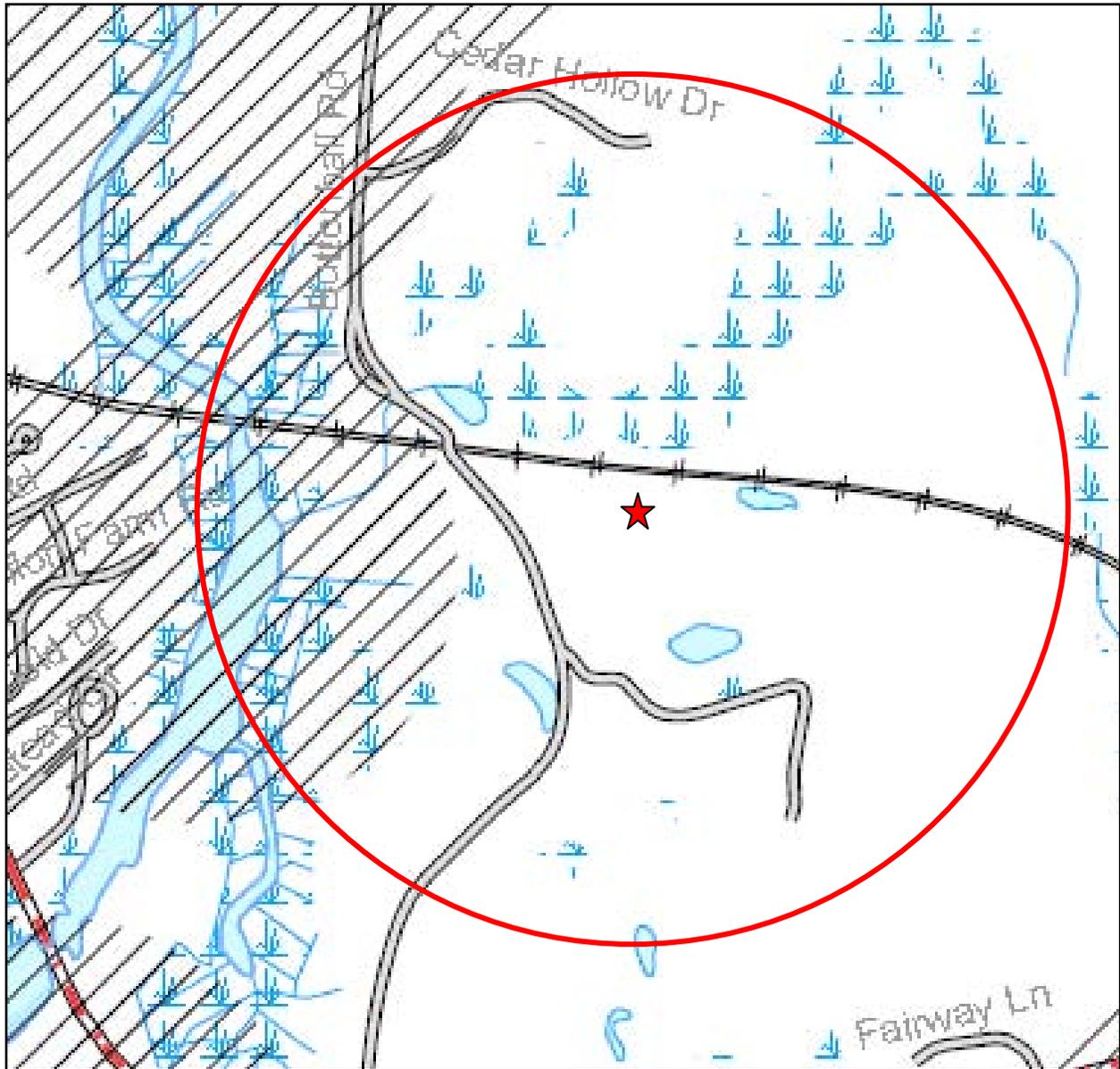
Source: See associated map legend

CTNL801A/Amtrak Old Lyme 2  
61-1 Buttonball Road  
Old Lyme, CT 06371-1757

PN: 61087700



**APPENDIX G**  
**UNITED STATES FISH AND WILDLIFE CORRESPONDENCE**



**Connecticut Natural Diversity Data Base Map**

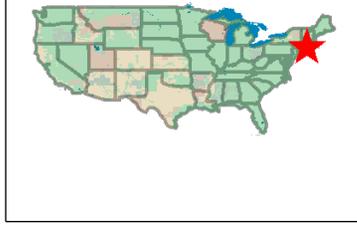
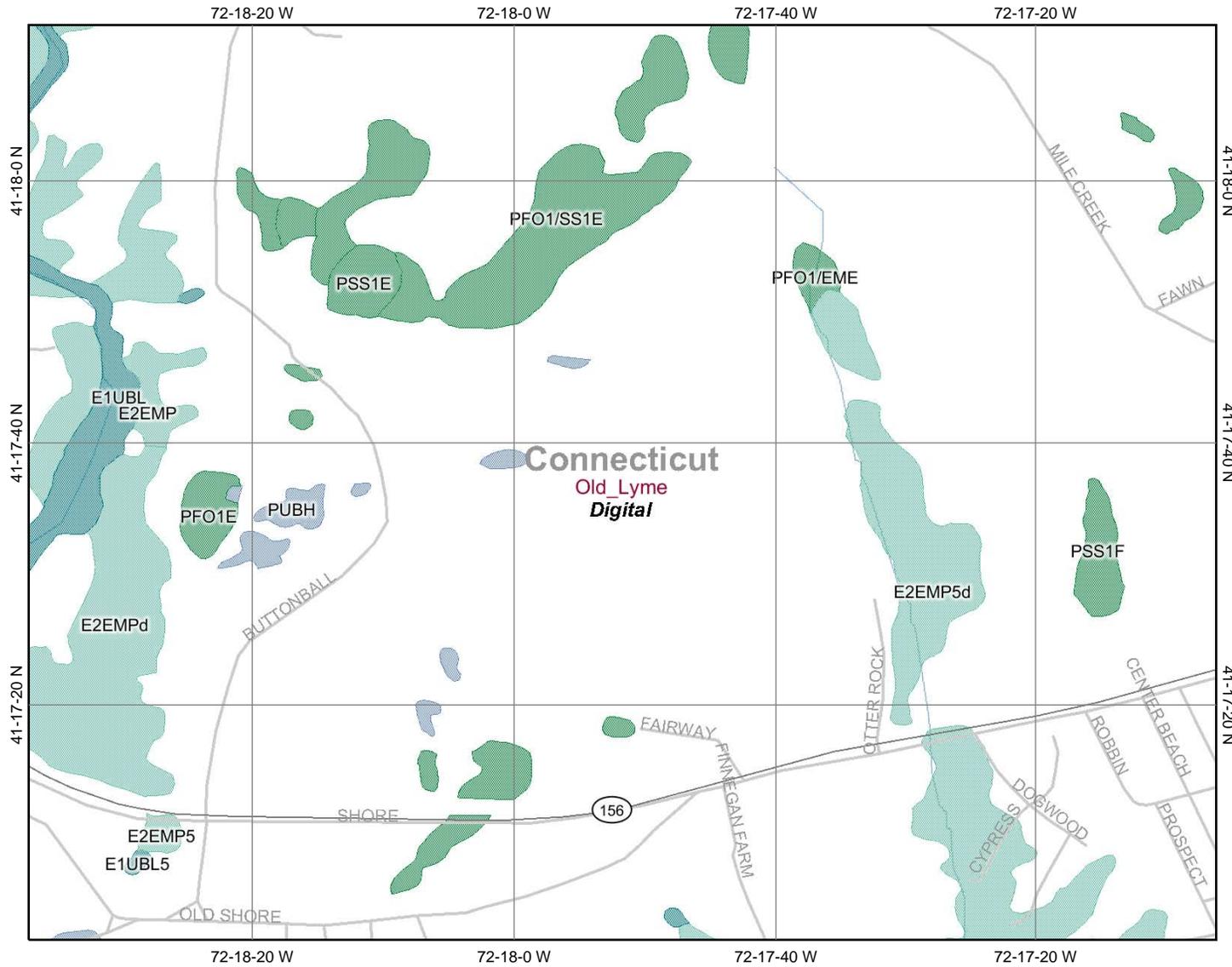
**CTNL801A / Amtrak Old Lyme 2  
61-1 Buttonball Road  
Old Lyme, CT 06371**

**PN: 61087700**



**APPENDIX H  
WETLANDS MAPS**

# NWI Map, 61-1 Buttonball Road, Old Lyme, CT



## Legend

- Ohio\_wet\_scan**
- 0
  - 1
  - Out of range
- Interstate**
- Major Roads**
- Other Road
  - Interstate
  - State highway
  - US highway
- Roads**
- Cities
  - USGS Quad Index 24K
- Lower 48 Wetland Polygons**
- Estuarine and Marine Deepwater
  - Estuarine and Marine Wetland
  - Freshwater Emergent Wetland
  - Freshwater Forested/Shrub Wetland
  - Freshwater Pond
  - Lake
  - Other
  - Riverine
- Lower 48 Available Wetland Data**
- Non-Digital
  - Digital
  - No Data
  - Scan
- NHD Streams**
- Counties 100K
  - States 100K
  - South America
  - North America



Scale: 1:15,144

Map center: 41° 17' 37" N, 72° 17' 52" W

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

**APPENDIX I  
FEMA FLOODPLAIN MAP**

## Flood Insights test results for :

Latitude: 41.2963888943195 Longitude: -72.3011111319065

Geocoding Accuracy: Not Available

## Flood Zone Determinations

[Test Description](#)

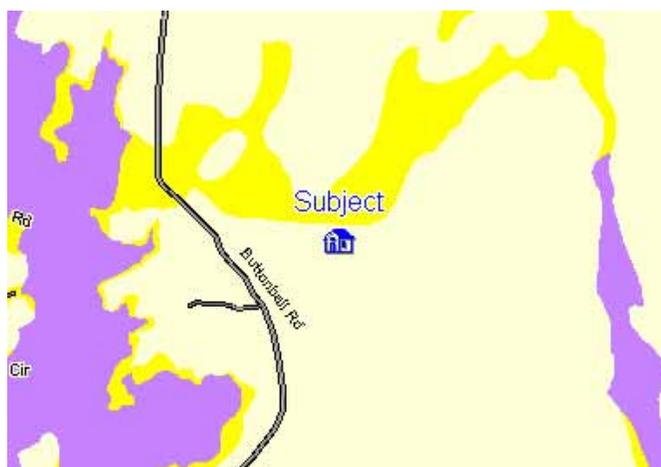
SFHA (Flood Zone) Within 250 feet of multiple flood zones?

Out

No

Community	Community Name	Zone	Panel	Panel Date	Cobra
090103	OLD LYME, TOWN OF	C	0016D	June 16, 1992	OUT
FIPS Code	Census Tract				
09011	6601.02				

Copyright 2000, First American Flood Data Services. All rights reserved.



## FloodMap Legend

## Flood Zones

- Areas inundated by 500-year flooding
- Areas outside of the 100- and 500-year floodplains
- Areas inundated by 100-year flooding
- Areas inundated by 100-year flooding with velocity hazard
- Floodway areas
- Floodway areas with velocity hazard
- Areas of undetermined but possible flood hazards
- Areas not mapped on any published FIRM

Copyright 2005, CDS Business Mapping. All rights reserved.

powered by  
 **RiskMeter.com**  
 617 737 4444  
[www.cdys.com](http://www.cdys.com)

This report was generated by: ebi on 11-25-2008

This Report is for the sole benefit of the Customer that ordered and paid for the Report and is based on the property information provided by that Customer. That Customer's use of this Report is subject to the terms agreed to by that Customer when accessing this product. No third party is authorized to use or rely on this Report for any purpose. NEITHER FIRST AMERICAN FLOOD DATA SERVICES NOR THE SELLER OF THIS REPORT MAKES ANY REPRESENTATIONS OR WARRANTIES TO ANY PARTY CONCERNING THE CONTENT, ACCURACY OR COMPLETENESS OF THIS REPORT, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Neither TFHC nor the seller of this Report shall have any liability to any third party for any use or misuse of this Report.