

# NEPA COMPLIANCE REVIEW

**CT 1155 Bethel Site 1 and Site 2  
62 and 64 Codfish Hill Road  
Bethel, Fairfield County, CT 06801**

**January 27, 2015**



**Prepared for:**

**North Atlantic Towers, LLC  
1001 3<sup>rd</sup> Ave West, Suite 420  
Bradenton, FL 34205**



**Prepared by:**

**All-Points Technology Corporation, P.C.  
3 Saddlebrook Drive  
Killingworth, CT 06419**

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D	Resumes of Qualified Personnel

## NEPA Review Summary

<b>Site Name:</b>	CT 1155 Bethel Site 1 and Site 2	
<b>Site Type:</b>	<b>Site 1:</b> Proposed 150' tall Monopole Tower <b>Site 2:</b> Proposed 170' tall Monopole Tower	
<b>Site Address:</b>	62 and 64 Codfish Hill Road, Bethel, Fairfield County, Connecticut, 06801	
<b>Latitude / Longitude (NAD83):</b>	<b>Site 1:</b> N 41° 22' 30.418" / W 73° 22' 16.517" <b>Site 2:</b> N 41° 22' 27.444" / W 73° 22' 25.263"	
<b>E106 Filing Number:</b> <b>TCNS Number:</b>	N/A – SHPO does not participate in E106  <b>Site 1:</b> 106275 <b>Site 2:</b> 106276	
<b>FCC NEPA Category</b>	<b>Source</b>	<b>Findings</b>
Designated Wilderness Areas	Site observations, U.S. Geological Survey (USGS) 7.5-Minute Series Topographic Quadrangle, review of U.S. Department of Interior (DOI) National Atlas ( <a href="http://www.nationalatlas.gov">www.nationalatlas.gov</a> ) and <a href="http://www.wilderness.net">www.wilderness.net</a> , and U.S. Fish and Wildlife Service (USFWS)	<b>No Effect</b>
Designated Wildlife Preserve	Site observations, USGS 7.5-Minute Series Topographic Quadrangle, review of U.S. DOI National Atlas ( <a href="http://www.nationalatlas.gov">www.nationalatlas.gov</a> ) and <a href="http://www.wilderness.net">www.wilderness.net</a> , and USFWS	<b>No Effect</b>
Threatened or Endangered Species or Designated Critical Habitats	USFWS and Connecticut Department of Energy & Environmental Protection (CTDEEP) Natural Diversity Database (NDDDB)	<b>No Effect with Special Provisions (refer to Section 2.3.3)</b>
Archeological and Historic Resources	State Historic Preservation Office (SHPO) file review and consultation, archaeological assessment, and public Local Government involvement	<b>No Effect</b>
Indian Religious Site	Indian Reservations in the Continental United States, Bureau of Indian Affairs Map, and consultation with federally recognized tribes via FCC's Tower Construction Notification System (TCNS)	<b>No Effect</b>
100-year Floodplain	Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM)	<b>No Effect</b>
Wetlands & Surface Waterways Features	Site Wetland Investigation, Natural Resources Conservation Service (NRCS) Soil Survey and USFWS National Wetland Inventory (NWI) mapping	<b>No Adverse Effect with Special Provisions (refer to Section 2.3.7)</b>
<b>Environmental Assessment (EA)</b>	Findings for the above FCC NEPA Categories and sources	<b>Not Required</b>

## **1.0 INTRODUCTION**

### **1.1 PURPOSE**

As a licensing agency, the Federal Communications Commission (FCC) complies with the National Environmental Policy Act (NEPA) by requiring its licensees to review their proposed actions for environmental consequences. The FCC rules for implementing NEPA are found in Title 47 of the Code of Federal Regulations (CFR), Part 1, Subpart I, rule sections 1.1301 to 1.1319. If a licensee's proposed action falls within one of the categories of rule sections 1.1301 to 1.1319, the licensee is required to consider the potential environmental effects from its construction of antenna facilities or structures, and disclose those effects in an environmental assessment (EA) which is filed with the Commission for review.

Additionally, Section 106 of the National Historic Preservation Act of 1966 requires licensees to assess the effect of their proposed action on historic properties as outlined in regulations issued by the Advisory Council on Historic Properties at 36 CFR Part 800, as well as the Nationwide Programmatic Agreement (NPA) for the Collocation of Wireless Antennas (47 CFR Part 1, Appendix B) and the NPA Regarding the Section 106 National Historic Preservation Act Review Process (47 CFR Part 1, Appendix C).

### **1.2 SCOPE OF WORK**

At the request of North Atlantic Towers, LLC (NAT), and on behalf of New Cingular Wireless PCS, LLC (dba AT&T) All-Points Technology Corporation, P.C. (APT) has completed its review of environmental resource information outlined in 47 CFR Part 1, Subpart I, rule sections 1.1301 to 1.1319. The review includes the evaluation of the proposed wireless telecommunication facility project impacts to the FCC NEPA categories outlined in this report using the sources referenced herein. Impacts from tower lighting and radiofrequency radiation are evaluated by the tower owner and/or applicant and are not part of this scope of work.

If the proposed project undertaking results in an adverse effect finding under any of the FCC NEPA categories reviewed, those effects must be disclosed in the form on an EA and filed with the FCC for further review of potential environmental impacts.

## **2.0 SITE LOCATION AND PROJECT DESCRIPTION**

### **2.1 SITE LOCATION**

Two locations are being evaluated on the subject property located at 62 and 64 Codfish Hill Road in Bethel, Fairfield County, CT 06801. The term "Site" will be used herein to reference the locations being evaluated. The subject property is approximately 49.85 acres and consists primarily of woodland with open fields. Site 1 is located in the far eastern end of the subject property and Site 2 is centrally located. The areas surrounding the Site are comprised of residential and woodland. A USGS Site Topographic Map and Site Plans are presented in Appendix A and site photographs are provided in Appendix B.

### **2.2 PROJECT DESCRIPTION**

This project involves the review of NAT's proposal to build a Monopole Communications Tower within a 75-foot by 75-foot fenced gravel compound and 100-foot by 100-foot ground lease area at either the Site 1 or Site 2 location. A 12-foot wide gravel access drive, within a 20-foot wide access/utility easement, will provide access to the proposed facility from Codfish Hill Road generally following the existing dirt road. Site 1 would include a 150-foot tall Monopole Tower and Site 2 would include a 170-foot tall Monopole Tower.

### **3.0 FCC NEPA REVIEW CATEGORIES**

#### **3.1 DESIGNATED WILDERNESS AREAS**

Will the facility be located in an officially designated wilderness area? **No**

The proposed facility is not located in an officially designated wilderness area.

Source: U.S. Geological Survey (USGS) 7.5-Minute Series Topographic Quadrangle, review of U.S. Department of Interior (DOI) National Atlas ([www.nationalatlas.gov](http://www.nationalatlas.gov)) and [www.wilderness.net](http://www.wilderness.net) (Appendix C).

#### **3.2 DESIGNATED WILDLIFE PRESERVES**

Will the facility be located in an officially designated wildlife preserve? **No**

The proposed facility is not located in an officially designated wildlife preserve.

Source: U.S. Geological Survey (USGS) 7.5-Minute Series Topographic Quadrangle, review of U.S. DOI National Atlas ([www.nationalatlas.gov](http://www.nationalatlas.gov)) and the U.S. Fish and Wildlife Service (USFWS; Appendix C).

#### **3.3 THREATENED OR ENDANGERED SPECIES OR DESIGNATED CRITICAL HABITATS**

Will the facility affect listed or proposed threatened or endangered species or designated critical habitats? **No**

There are no federally listed threatened or endangered species or critical habitat known to occur at the subject property that would be adversely affected by the proposed project. CT DEEP NDDB has records for State Special Concern *Terrapene carolina carolina* (eastern box turtle) and *Glyptemys insculpta* (wood turtle) in the vicinity of the subject property. As such, protection strategies and protocols (documented in Appendix C) need to be observed to avoid unintentional mortality of the State Special Concern species during construction activities. Provided that this project receive approval by the Connecticut Siting Council, this Program will need to be incorporated as environmental notes into the construction drawings (Development and Management Plans) to ensure that protective measures are followed prior and during construction activities. This determination is good for one year from June 16, 2014. If the scope of work changes or if work has not begun by June 16, 2015, a new NDDB review is required.

Although a complete evaluation of the proposed tower potential impact to migratory birds has not been performed as part of this scope of work, this tower appears to be generally compliant with the USFWS recommendations published in Interim Guidelines for Recommendations on Communication Tower Siting, Construction, Operation, and Decommissioning for the Migratory Bird Treaty Act ("MBTA"): this tower would be less

than 200 feet tall and no guy wires are required. The proposed construction activities will result in the clearing of trees and mature vegetation that has the potential to support breeding birds protected by the MBTA. Therefore, the following recommendation is provided to avoid potential disturbance during periods of high bird activity: if construction activities should occur during the peak nesting period of April 15 through July 15: tree clearing work shall be completed prior to April 15th. If construction activities should occur during the peak nesting period but tree clearing work has not been completed by April 15th (preferred recommendation), an avian survey shall be conducted to determine if MBTA protected breeding birds would be disturbed by tree clearing activities. If the avian survey concludes that breeding birds would be disturbed, construction activities shall be restricted from the April 15 through July 15 peak nesting period.

Based on the information provided, it is unlikely that the proposed development would impact any potential threatened or endangered species, designated critical habitats, or migratory bird species protected under the MBTA.

Source: Site observations and consultation with the USFWS and Connecticut Department of Energy & Environmental Protection (CT DEEP) Natural Diversity Database (NDDDB; Appendix C).

### **3.4 *ARCHAEOLOGICAL AND HISTORIC RESOURCES***

Will the facility affect districts, sites, buildings, structures or objects significant in American history, architecture, archaeology, engineering or culture that are listed, or are eligible for listing, in the National Register of Historic Places? **No**

Based on the information provided, SHPO finds that no historic properties, sites, structures or resources listed on, or determined eligible for listing on the National Register of Historic Places will be affected by this project.

In the unlikely event that tribal artifacts or human remains are encountered during construction activities, excavation is required to be halted immediately and the appropriate SHPO, tribes, and other consulting parties are to be contacted.

Source: Review of State Historic Preservation Office (SHPO) files, archaeological assessment, public involvement, and Local Government and SHPO consultation (Appendix C).

### **3.5 *INDIAN RELIGIOUS SITES***

Will the facility affect Indian religious sites? **No**

The proposed project area is not located on an American Indian federal reservation trust land. It was determined through tribal consultation via FCC's TCNS that the proposed project is unlikely to affect Indian religious sites. TCNS filings and Tribal consultation documents are included in Appendix C.

In the unlikely event that tribal artifacts or human remains are encountered during construction activities, excavation is required to be halted immediately and the appropriate SHPO, tribes, and other consulting parties are to be contacted.

*Source:* Indian Reservations in the Continental United States, Bureau of Indian Affairs Map, archeological assessment, and consultation with federally recognized tribes using the FCC Tower Construction Notification System (TCNS; Appendix C).

### **3.6 FLOODPLAINS**

Will the facility be located in a 100-year floodplain? **No**

The Site is located outside of a 100-year flood hazard as identified on the FIRM map for the proposed Site area.

*Source:* Site observations and Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM), Panel 09001C0255F, June 18, 2010 (Appendix C).

### **3.7 WETLANDS & SURFACE WATERWAYS FEATURES**

Will construction of the facility involve a significant change in surface features (e.g. wetland fill, water diversion, or deforestation)? **No**

The facility would not involve a significant change in surface features or result in wetland fill, deforestation or water diversion. No wetland areas were identified within the disturbance limits of the proposed development. Nearby wetlands were field confirmed by APT with the nearest wetland being  $\pm 48$ -feet from proposed Site 2 development. Refer to our Wetland Investigation report dated May 1, 2014 presented in Appendix C. In summary, the proposed development at Site 1 or Site 2 will not result in either permanent or temporary direct impacts to wetland resource areas provided sedimentation and erosion controls are designed, installed and maintained during construction activities in accordance with the 2002 Connecticut Guidelines For Soil Erosion and Sediment Control.

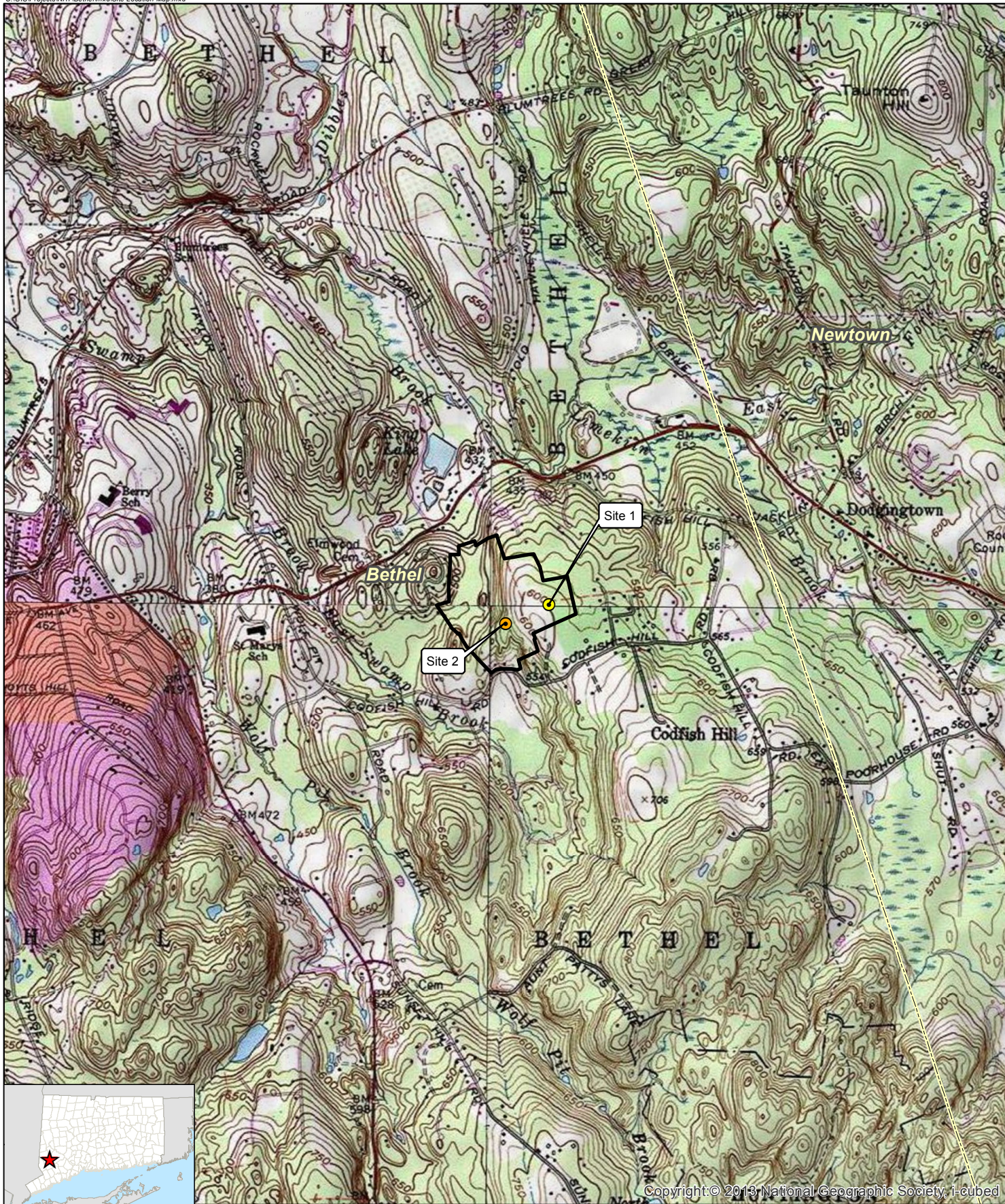
*Source:* APT Wetland Investigation (Appendix C).



#### **4.0 CONCLUSIONS**

APT completed this NEPA Review in conformance with the FCC rules and regulations for implementing NEPA; 47 CFR 1.1301 to 1.1319. Based on the information obtained as part of this Review, the proposed project does not require preparation and filing of an EA.

***Appendix A***  
***Site Figures***

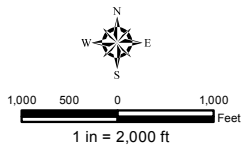


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**Legend**

- Site 1
- Site 2
- Subject Property
- Municipal Boundary

Base Map Source: ESRI USGS Topo Map Service  
 USGS Quadrangles: Bethel, Botsford, Danbury, and Newtown, CT (1984)  
 Site located on Bethel Quadrangle  
 Map Date: October 2014



**USGS Site Location Map**

Proposed Wireless  
 Telecommunications Facility  
 CT1155C Bethel  
 Site 1 and Site 2  
 62 and 64 Codfish Hill Road  
 Bethel, Connecticut

NORTH ATLANTIC  
 TOWERS



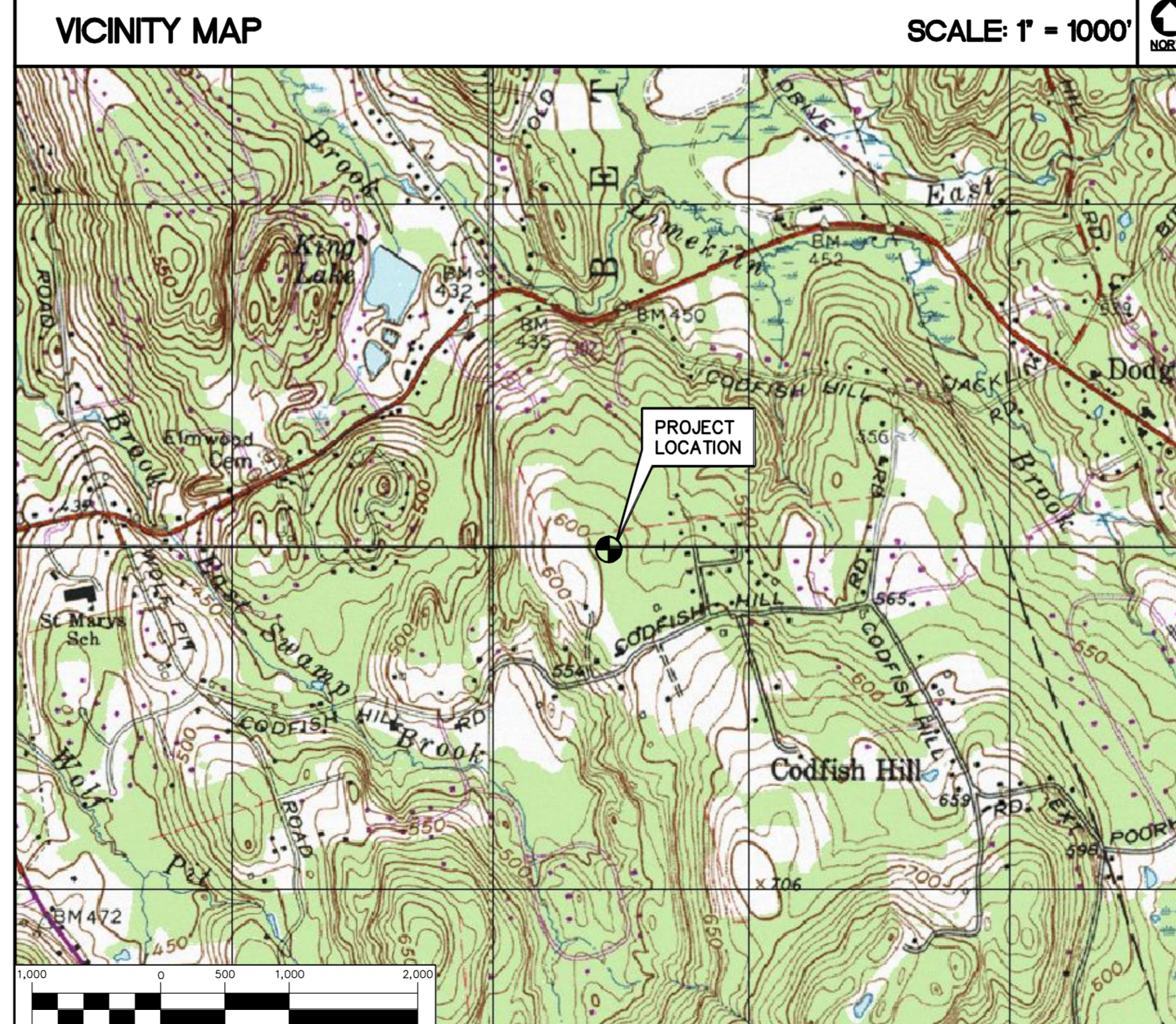
# NORTH ATLANTIC TOWERS

## WIRELESS COMMUNICATIONS FACILITY CT1155C BETHEL (SITE 1) 62 + 64 CODFISH HILL ROAD BETHEL, CT

### SITE INFORMATION

THE SCOPE OF WORK SHALL INCLUDE:

1. THE CONSTRUCTION OF A 75'X75' FENCED WIRELESS COMMUNICATIONS COMPOUND WITHIN A 100'X100' LEASE AREA.
2. A 150'-0"± STEEL MONOPOLE TOWER IS PROPOSED AND WILL BE DESIGNED TO ACCOMMODATE A MINIMUM OF (4) CARRIER ANTENNA ARRAY LOCATIONS.
3. A 1,650'± GRAVEL DRIVEWAY FOR SITE ACCESS OFF OF CODFISH HILL ROAD IS PROPOSED.
4. POWER AND TELCO UTILITIES SHALL BE ROUTED UNDERGROUND FROM EXISTING RESPECTIVE DEMARCS TO THE PROPOSED WIRELESS COMMUNICATIONS SITE. FINAL DEMARC LOCATIONS AND UTILITY ROUTING WILL BE VERIFIED/DETERMINED BY LOCAL UTILITY COMPANIES.
5. FINAL DESIGN FOR TOWER AND ANTENNA MOUNTS SHALL BE INCLUDED IN THE D&M PLANS.
6. THE PROPOSED WIRELESS FACILITY INSTALLATION WILL BE DESIGNED IN ACCORDANCE WITH THE 2003 INTERNATIONAL BUILDING CODE AS MODIFIED BY THE 2009 CONNECTICUT SUPPLEMENT.
7. THERE WILL NOT BE ANY LIGHTING UNLESS REQUIRED BY THE FCC OR THE FAA.
8. THERE WILL NOT BE ANY SIGNS OR ADVERTISING ON THE ANTENNAS OR EQUIPMENT.



### PROJECT SUMMARY

**SITE NAME:** CT1155C BETHEL  
**SITE ADDRESS:** 62 & 64 CODFISH HILL ROAD  
**PROPERTY OWNER:** CLAUDIA STONE  
 62 CODFISH HILL ROAD  
 BETHEL, CONNECTICUT  
**LESSEE/TENANT:** NORTH ATLANTIC TOWERS, LLC  
 1001 3RD AVE WEST, SUITE 420  
 BRADENTON, FL 34205  
**CONTACT PERSON:** TODD BOWMAN  
 NORTH ATLANTIC TOWERS, L.L.C.  
 1001 3RD AVE WEST, SUITE 420  
 BRADENTON, FL 34205  
**TOWER COORDINATES:** LATITUDE 41°-22'-30.418"  
 LONGITUDE 73°-22'-16.517"  
 GROUND ELEVATION: 595.0'± A.M.S.L.  
 COORDINATES AND GROUND ELEVATION  
 REFERENCED FROM FAA 1-A SURVEY  
 CERTIFICATION AS PREPARED BY MARTINEZ COUCH  
 AND ASSOCIATES LLC, DATED NOVEMBER 14, 2013

### SHEET INDEX

SHT. NO.	DESCRIPTION	REV. NO.
T-1	TITLE SHEET	4
C-1	ABUTTERS MAP	3
C-1A	SITE/ SITE SURVEY PLAN	4
C-1B	SITE/ SITE SURVEY PLAN CONT.	4
C-2	COMPOUND PLAN AND ELEVATION	3
C-3	SITE CONSTRUCTION, S&E AND DRAINAGE CONTROL NOTES AND DETAILS	3
C-4	DRAINAGE CONTROL DETAILS	3
C-5	SITE DETAILS AND NOTES	3

DESIGNED BY:	HMR			
DRAWN BY:	HMR			
CHK'D BY:	DMD			
REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
4	04/17/14	DMD	DMD	REVISED TO INCLUDE WETLAND BOUNDARIES
3	11/26/13	DMD	DMD	CSC - REVISED
2	11/21/13	DMD	DMD	CSC - REVISED
1	11/18/13	HMR	DMD	CSC - REVISED
0	06/28/13	HMR	DMD	CSC - ISSUED FOR CLIENT REVIEW

PROFESSIONAL ENGINEER SEAL



**CEN TEK** engineering  
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 (203) 488-3897 Fax  
 62 North Branford Road  
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NORTH ATLANTIC TOWERS  
 WIRELESS COMMUNICATIONS FACILITY  
**SITE NUMBER: CT1155C**  
**SITE NAME: BETHEL (SITE 1)**  
**62 + 64 CODFISH HILL ROAD**  
**BETHEL, CT**

DATE: 06/27/13  
 SCALE: AS NOTED  
 JOB NO. 13116

TITLE SHEET

T-1

Sheet No. 1 of 8

WINDAWAY ROAD  
 MAP/BLOCK/LOT  
 65/57/027  
 N/F RAMONA H CLARK  
 23 WINDAWAY ROAD, BETHEL, CT 06801

MAP/BLOCK/LOT  
 65/57/028  
 N/F VIRGINIA L RUSSACK  
 25 WINDAWAY ROAD, BETHEL, CT 06801  
 MAILING ADDRESS:  
 104 GREENWOOD AVENUE, BETHEL, CT 06801

MAP/BLOCK/LOT  
 65/57/031  
 N/F RICHARD & DORIS E SETTANNI  
 31 WINDAWAY ROAD, BETHEL, CT 06801

MAP/BLOCK/LOT  
 65/57/032  
 N/F JAMES A HAITSCH  
 33 WINDAWAY ROAD, BETHEL, CT 06801

MAP/BLOCK/LOT  
 65/57/033  
 N/F VARTAN & MEGAN ALWORTH KHAZADIAN  
 35 WINDAWAY ROAD, BETHEL, CT 06801

MAP/BLOCK/LOT  
 65/57/034  
 N/F PETER D & NANCY C OTTERSTROM  
 37 WINDAWAY ROAD, BETHEL, CT 06801

MAP/BLOCK/LOT  
 64/57/054B  
 N/F CHRISTOPHER OBERHAMMER  
 DODDINGTOWN ROAD, BETHEL, CT 06801  
 MAILING ADDRESS:  
 85 ROCKWELL ROAD, BETHEL, CT 06801

CODFISH HILL ROAD  
 MAP/BLOCK/LOT  
 78/55/28-05  
 N/F MARY ANN & ROBERT J SIMONELLI  
 23 CODFISH HILL ROAD, BETHEL, CT 06801

MAP/BLOCK/LOT  
 65/55/028-06  
 N/F KENDRA TELHARD  
 21 CODFISH HILL ROAD, BETHEL, CT 06801

MAP/BLOCK/LOT  
 77/57/114  
 N/F MARK E & GILLEAN K REINDERS  
 86 CODFISH HILL ROAD, BETHEL, CT 06801

MAP/BLOCK/LOT  
 65/57/129  
 N/F BRIAN OLSEN & SHARON SMITH  
 28 CODFISH HILL ROAD, BETHEL, CT 06801  
 MAILING ADDRESS:  
 16 COUNTRY WAY, BETHEL, CT 06801

MAP/BLOCK/LOT  
 77/57/116  
 N/F LEON KURJAKA  
 80 CODFISH HILL ROAD, BETHEL, CT 06801  
 MAILING ADDRESS:  
 82 CODFISH HILL ROAD, BETHEL, CT 06801

MAP/BLOCK/LOT  
 77/57/119  
 N/F BFM LIMITED PARTNERSHIP  
 74 CODFISH HILL ROAD, BETHEL, CT 06801  
 MAILING ADDRESS:  
 5 FRANCIS J CLARKE CIRCLE, BETHEL, CT 06801

MAP/BLOCK/LOT  
 65/57/121  
 N/F NEGRI BARBARA  
 70 CODFISH HILL ROAD, BETHEL, CT 06801

MAP/BLOCK/LOT  
 65/57/123  
 N/F PETER D & DENISE HOWE  
 60 CODFISH HILL ROAD, BETHEL, CT 06801

MAP/BLOCK/LOT  
 65/57/127  
 N/F DAVID G. & MARY F. NORDMANN  
 50 CODFISH HILL ROAD, BETHEL, CT 06801

MAP/BLOCK/LOT  
 65-57-129  
 N/F BRIAN OLSEN & SHARON SMITH  
 28 CODFISH HILL ROAD, BETHEL, CT 06801  
 MAILING ADDRESS:  
 16 COUNTRY WAY, BETHEL, CT 06801

MAP/BLOCK/LOT  
 78-55-028-03  
 N/F GREGORY WATERMAN & JENNIFER A. BOYCE  
 33 CODFISH HILL ROAD, BETHEL, CT 06801

MAP/BLOCK/LOT  
 78-55-028-04  
 N/F YSELA & GREGORY GUION  
 25 CODFISH HILL ROAD, BETHEL, CT 06801

SETTLERS ROAD  
 MAP/BLOCK/LOT  
 77/57/048-10\*  
 \*AN OPEN SPACE WITH 1/9 INTEREST

MAP/BLOCK/LOT  
 77/57/048-09  
 N/F THOMAS S. & ROBIN A. RENNER  
 3 SETTLERS ROAD, BETHEL, CT 06801

MAP/BLOCK/LOT  
 77/57/048-08  
 N/F WILLIAM F. & SUSAN P. VERTOLLI  
 5 SETTLERS ROAD, BETHEL, CT 06801

MAP/BLOCK/LOT  
 77/57/048-07  
 N/F THOMAS S. & BARBARA D. NORSWORTHY  
 7 SETTLERS ROAD, BETHEL, CT 06801

MAP/BLOCK/LOT  
 77/57/048-06  
 N/F JOSEPH S. & LISA M. PERRY  
 9 SETTLERS ROAD, BETHEL, CT 06801

MAP/BLOCK/LOT  
 77/57/048-05  
 N/F WILLIAM F. & BRIAN F. HAYES  
 11 SETTLERS ROAD, BETHEL, CT 06801

MAP/BLOCK/LOT  
 77/57/048-04  
 N/F MICHAEL & ALISON KENNEDY  
 13 SETTLERS ROAD, BETHEL, CT 06801

MAP/BLOCK/LOT  
 77/57/048-03  
 N/F JEFFREY A. & RENEE E. PACELSON  
 8 SETTLERS ROAD, BETHEL, CT 06801

MAP/BLOCK/LOT  
 77/57/048-02  
 N/F KURT & JENNIFER DYER  
 6 SETTLERS ROAD, BETHEL, CT 06801

MAP/BLOCK/LOT  
 77/57/048-01  
 N/F RYAN G. & KELLY P. MARCOUX  
 4 SETTLERS ROAD, BETHEL, CT 06801

MAP/BLOCK/LOT  
 64/57/057-01  
 N/F ANDREW R. & ELEANOR D. MCCLELLAN  
 1 SETTLERS ROAD, BETHEL, CT 06801

HILLSIDE COURT  
 MAP/BLOCK/LOT  
 77/57/068\*  
 AN OPEN SPACE WITH 1/6 INTEREST

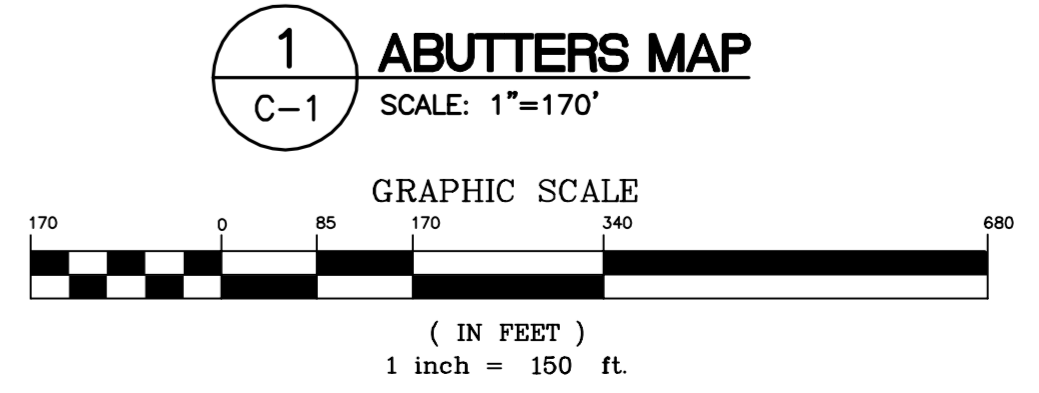
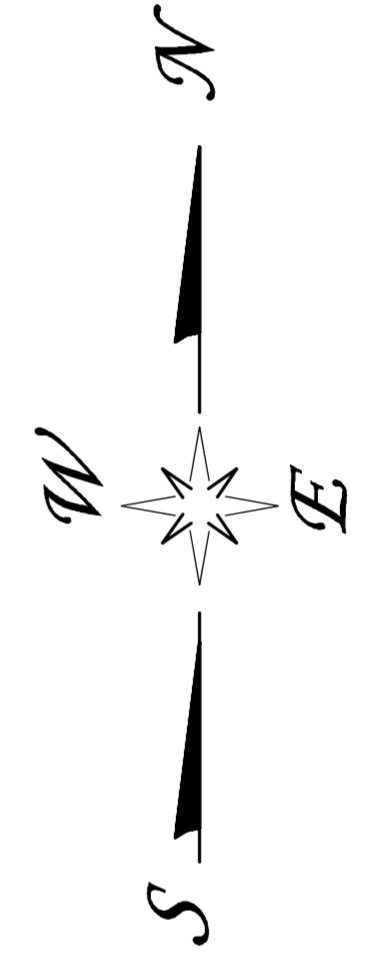
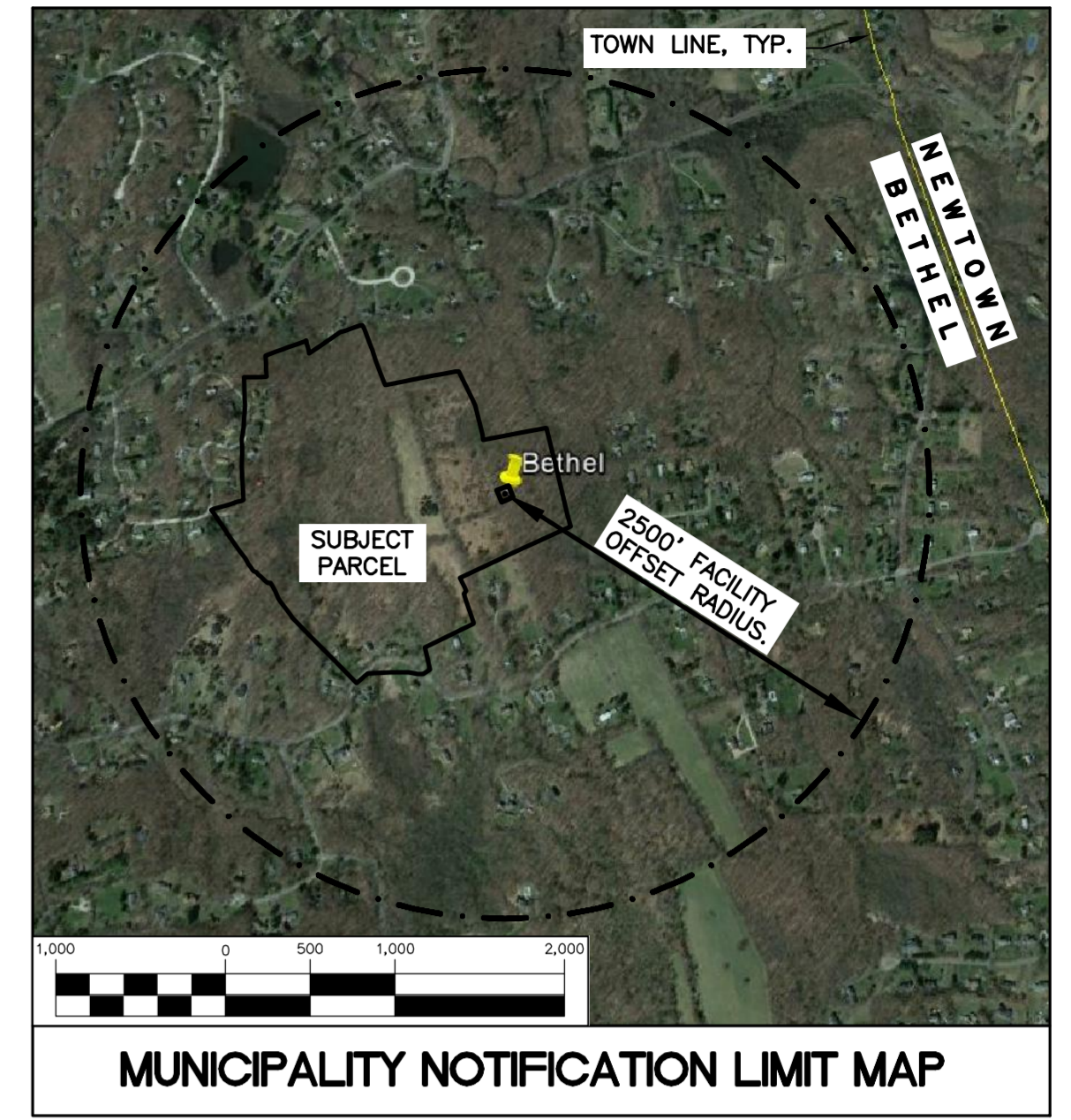
MAP/BLOCK/LOT  
 77/57/067  
 N/F ROBERT & TRACY L. VANBLARCOM  
 5 HILLSIDE COURT, BETHEL, CT 06801

MAP/BLOCK/LOT  
 77/57/069  
 N/F KYAW ZWA THANE HTAY PE & SHWE YEE LYNN  
 6 HILLSIDE COURT, BETHEL, CT 06801

MAP/BLOCK/LOT  
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 N/F WILLIAM T. & CAROL A. OBERACKER  
 4 HILLSIDE COURT, BETHEL, CT 06801

MAP/BLOCK/LOT  
 77/57/065  
 N/F DOUGLAS & JOAN F. SUMMERS  
 1 HILLSIDE COURT, BETHEL, CT 06801  
 MAILING ADDRESS:  
 2E-12 ALABANG TOWN CENTER, ALABANG MUNTILUPA  
 CITY, REP. OF THE PHILIPPINES, 01223

MAP/BLOCK/LOT  
 77/57/071  
 N/F LEJDI WASH  
 2 HILLSIDE COURT, BETHEL, CT 06801



DESIGNED BY: HMR  
 DRAWN BY: HMR  
 CHK'D BY: DMD

REV.	DATE	DESCRIPTION
3	11/26/13	CFC - REVISED
2	11/21/13	CFC - REVISED
1	11/18/13	DMD
0	06/28/13	HMR

PROFESSIONAL ENGINEER SEAL

NORTH ATLANTIC TOWERS

**CENTEK** engineering  
 Centek on Solutions  
 (203) 488-0890  
 (203) 488-8897 Fax  
 622 North Branford Road  
 Branford, CT 06405  
 www.CentekEng.com

NORTH ATLANTIC TOWERS  
 WIRELESS COMMUNICATIONS FACILITY  
**SITE NUMBER: CT1155C**  
**SITE NAME: BETHEL (SITE 1)**  
**62 + 64 CODFISH HILL ROAD**  
**BETHEL, CT**

DATE: 06/27/13  
 SCALE: AS NOTED  
 JOB NO. 13116

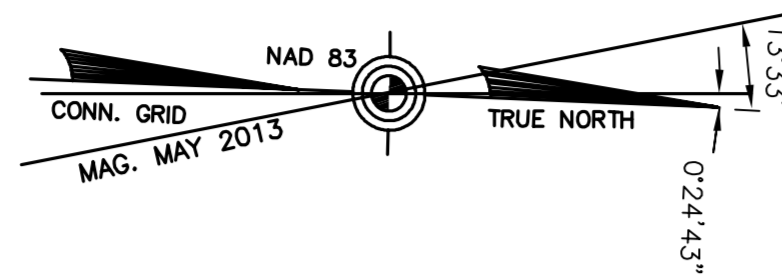
ABUTTERS MAP

**C-1**

Sheet No. 2 of 8

**MISCELLANEOUS SITE INFORMATION**

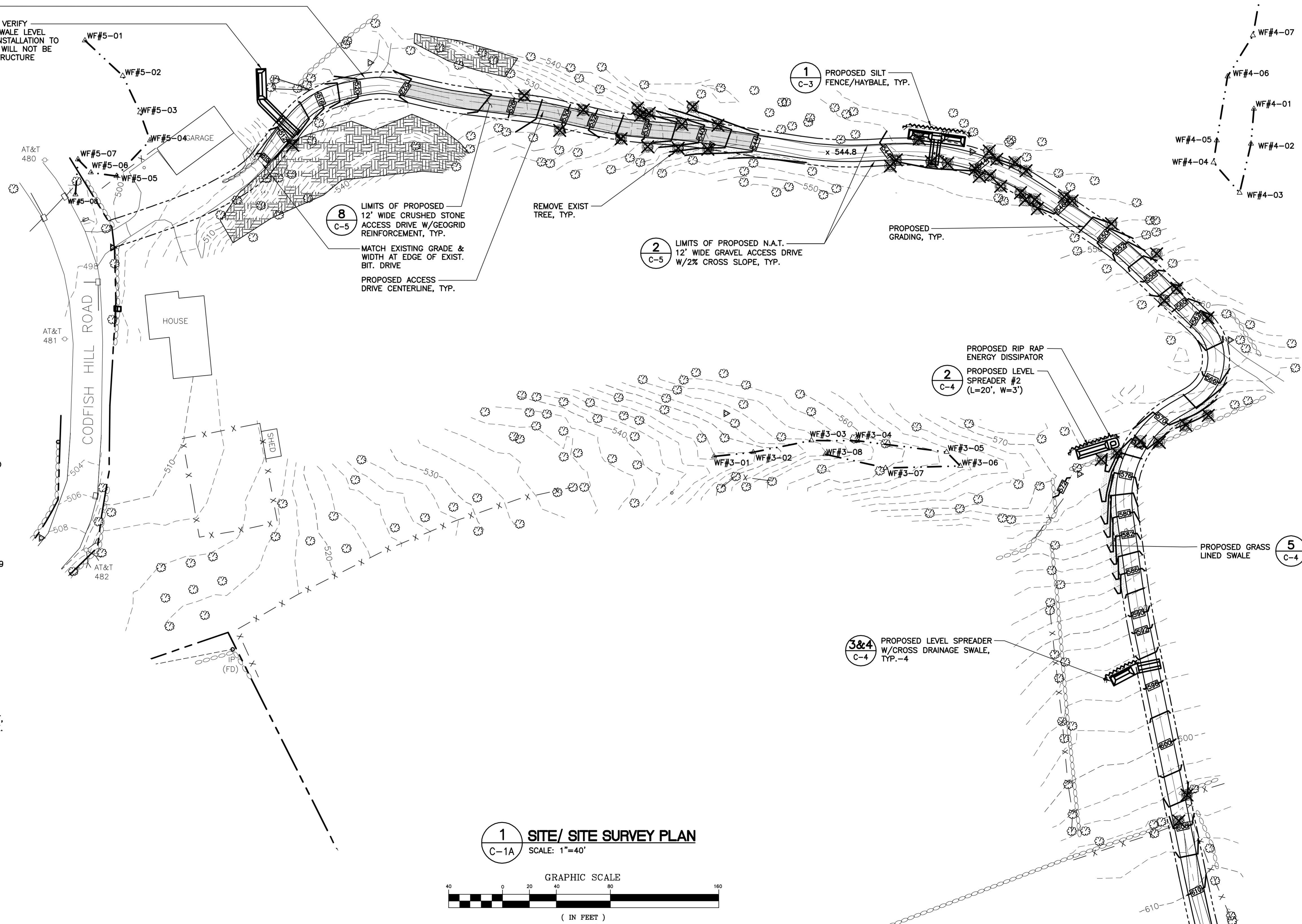
DISTANCE TO NEAREST OFF SITE RESIDENCE	=	495'±
DISTANCE TO NEAREST MUNICIPALITY (NEWTOWN)	=	3,150'±
ACCESS/UTILITY EASEMENT LENGTH OFF CODFISH HILL RD.	=	1,650'±
NUMBER OF RESIDENTIAL STRUCTURES WITHIN 1000' OF TOWER.	=	16
TOTAL NUMBER OF TREES TO BE REMOVED	=	67



**SYMBOLS LEGEND**

- PROPERTY LINE
- - - EASEMENT LINE (PROPOSED)
- DRIVE (PROPOSED)
- - - LEASE AREA
- - - 650 - - - CONTOUR LINE
- FENCE LINE (PROPOSED)
- ◇ UTILITY POLE
- X SPOT ELEVATION
- ▩ HAYBALES/ SILT FENCE
- △ SIGN
- IRON PIN
- GUY ANCHOR
- CATCH BASIN
- ⊗ DECIDUOUS TREE
- ⊙ STONE WALL
- - - DRIVE (EXISTING)
- - - FENCE LINE (EXISTING)
- ▩ SILTATION FENCE
- 532 GRADING (PROPOSED)
- △ WETLAND BOUNDARY

EXISTING DIRT PATH  
 CONTRACTOR TO FIELD VERIFY LOCATION OF CROSS SWALE LEVEL SPREADER PRIOR TO INSTALLATION TO ENSURE THAT RUNOFF WILL NOT BE DIRECTED TO EXIST. STRUCTURE



**SURVEY NOTES**

THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300B-1 THRU 20-300B-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES - "MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPT. 26, 1996. THE TOPOGRAPHIC SURVEY PORTION OF THIS PLAN CONFORMS TO A VERTICAL ACCURACY OF CLASS T-2 AND IS INTENDED TO BE USED TO DEPICT A PROPOSED TELECOMMUNICATION SITE.

THE PROPERTY/BOUNDARY LINES DEPICTED HEREON ARE COMPILED FROM OTHER MAPS, DEEDS AND LIMITED FIELD SURVEY. THESE LINES ARE NOT TO BE CONSTRUED AS A BOUNDARY OPINION AND ARE SUBJECT TO CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE. PROPERTY MAY BE SUBJECT TO ENCUMBRANCES, EASEMENTS, RIGHTS OF WAY AS A TITLE SEARCH REPORT MAY DISCLOSE.

VERTICAL DATUM IS BASED ON NGVD 29.

COORDINATES REFER TO NAD 83.

PARCEL OWNER OF RECORD: CLAUDIA STONE  
 62 CODFISH HILL ROAD  
 DEED REFERENCES VOL. 992 P. 127, VOL. 514 P. 619

PARCEL AREA = 50± ACRES.

PARCEL IS IN R80 ZONING DISTRICT.

PARCEL ID: MAP 65 BLOCK 57 LOT 122 BETHEL ASSESSOR'S OFFICE.

PARCEL IS NOT IN A FLOOD HAZARD ZONE AS SHOWN ON THE FLOOD INSURANCE RATE MAP, FAIRFIELD COUNTY, ALL JURISDICTIONS, PANELS 144, 163, 232 & 255 OF 626, COMMUNITY PANEL NUMBERS 09001C0144F, 09001C0163F, 09001C0232F & 09001C0255F, EFFECTIVE DATE JUNE 8, 2010, BY FEDERAL EMERGENCY MANAGEMENT AGENCY.

REFERENCE IS MADE TO THE FOLLOWING MAPS:

MAP PREPARED FOR ANTHONY CARALLUZZI AND JULIA CARALLUZZI, ELMWOOD DISTRICT, BETHEL, CONNECTICUT, SCALE 1"=40', DATED AUG. 30, 1974, BY HAROLD B. COVILLE.

PROPERTY DIVISION MAP, CODFISH HILL ROAD, BETHEL, CONNECTICUT, PREPARED FOR JEFFREY A. PARKER, SCALE 1"=40', DATED 6-16-83, BY KASPER - RYAN ASSOCIATES.

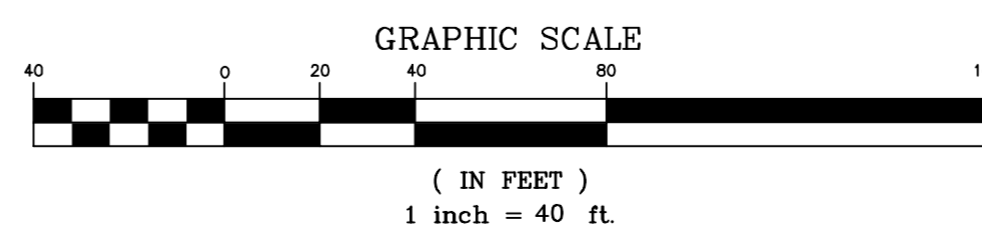
MAP PREPARED FOR WALTER W. & ARLENE C. CARLSON, BETHEL, CONNECTICUT, SCALE 1"=40', DATED DEC. 24, 1964, BY HENRICI ASSOCIATES.

NOT ALL IMPROVEMENTS SHOWN.

TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE AND SEAL

**1 SITE/ SITE SURVEY PLAN**  
 C-1A SCALE: 1"=40'



MATCH LINE SHEET C-1B

DESIGNED BY:	HMR			
DRAWN BY:	HMR			
CHK'D BY:	DMD			
REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
4	04/17/14	DMD	DMD	CFC
3	11/26/13	DMD	DMD	CFC - REVISED
2	11/21/13	DMD	DMD	CFC - REVISED
1	11/18/13	HMR	DMD	CFC
0	06/28/13	HMR	DMD	CFC - ISSUED FOR CLIENT REVIEW

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**NORTH ATLANTIC TOWERS**  
 WIRELESS COMMUNICATIONS FACILITY  
**SITE NUMBER: CT1155C**  
**SITE NAME: BETHEL (SITE 1)**  
**62 + 64 CODFISH HILL ROAD**  
**BETHEL, CT**

DATE: 06/27/13  
 SCALE: AS NOTED  
 JOB NO. 13116

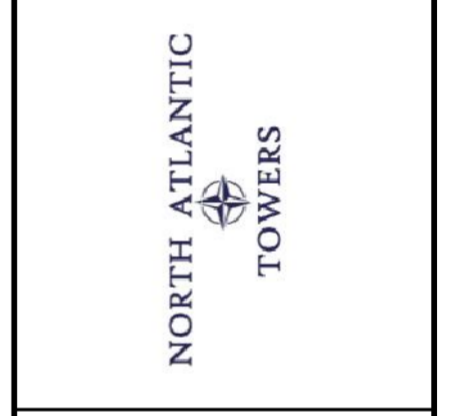
**SITE/ SITE SURVEY PLAN**

**C-1A**

DESIGNED BY: HMR  
 DRAWN BY: HMR  
 CHK'D BY: DMD

REV.	DATE	BY	DESCRIPTION
4	04/17/14	DMD	CFC - REVISED
3	11/26/13	DMD	CFC - REVISED
2	11/21/13	DMD	CFC - REVISED
1	11/18/13	HMR	CFC - REVISED
0	06/28/13	HMR	CFC - ISSUED FOR CLIENT REVIEW

PROFESSIONAL ENGINEER SEAL



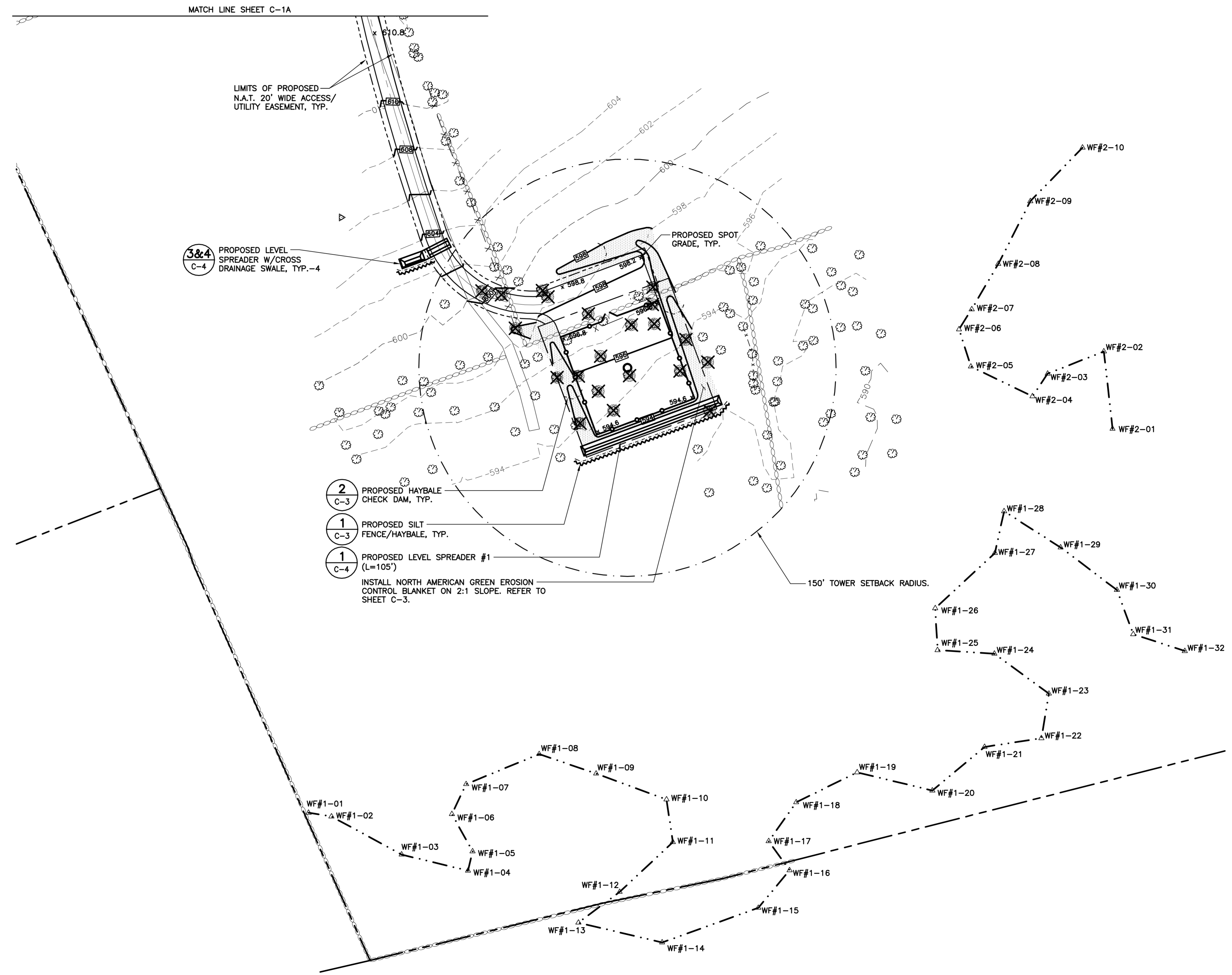
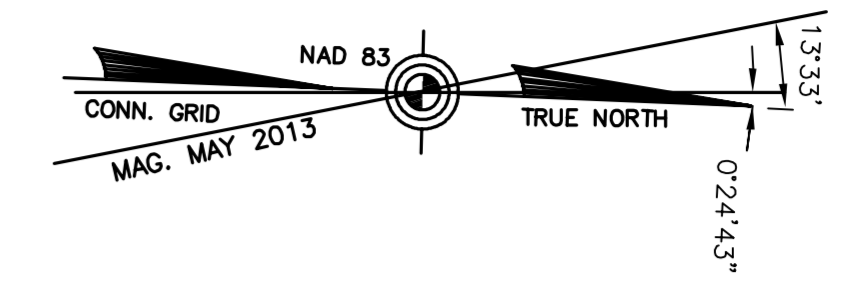
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 (203) 488-3387 For  
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**NORTH ATLANTIC TOWERS**  
 WIRELESS COMMUNICATIONS FACILITY  
**SITE NUMBER: CT1155C**  
**SITE NAME: BETHEL (SITE 1)**  
**62 + 64 CODFISH HILL ROAD**  
**BETHEL, CT**

DATE: 06/27/13  
 SCALE: AS NOTED  
 JOB NO. 13116

SITE/  
 SITE SURVEY  
 PLAN CONT.

**C-1B**  
 Sheet No. 4 of 8



LIMITS OF PROPOSED  
 N.A.T. 20' WIDE ACCESS/  
 UTILITY EASEMENT, TYP.

**3&4**  
 C-4 PROPOSED LEVEL  
 SPREADER W/CROSS  
 DRAINAGE SWALE, TYP.-4

**2**  
 C-3 PROPOSED HAYBALE  
 CHECK DAM, TYP.

**1**  
 C-3 PROPOSED SILT  
 FENCE/HAYBALE, TYP.

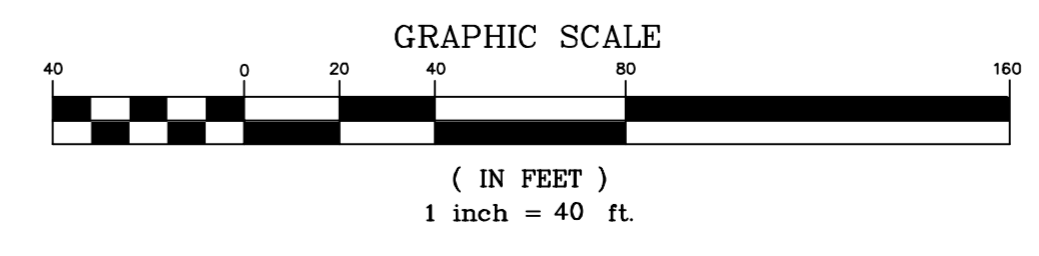
**1**  
 C-4 PROPOSED LEVEL SPREADER #1  
 (L=105')

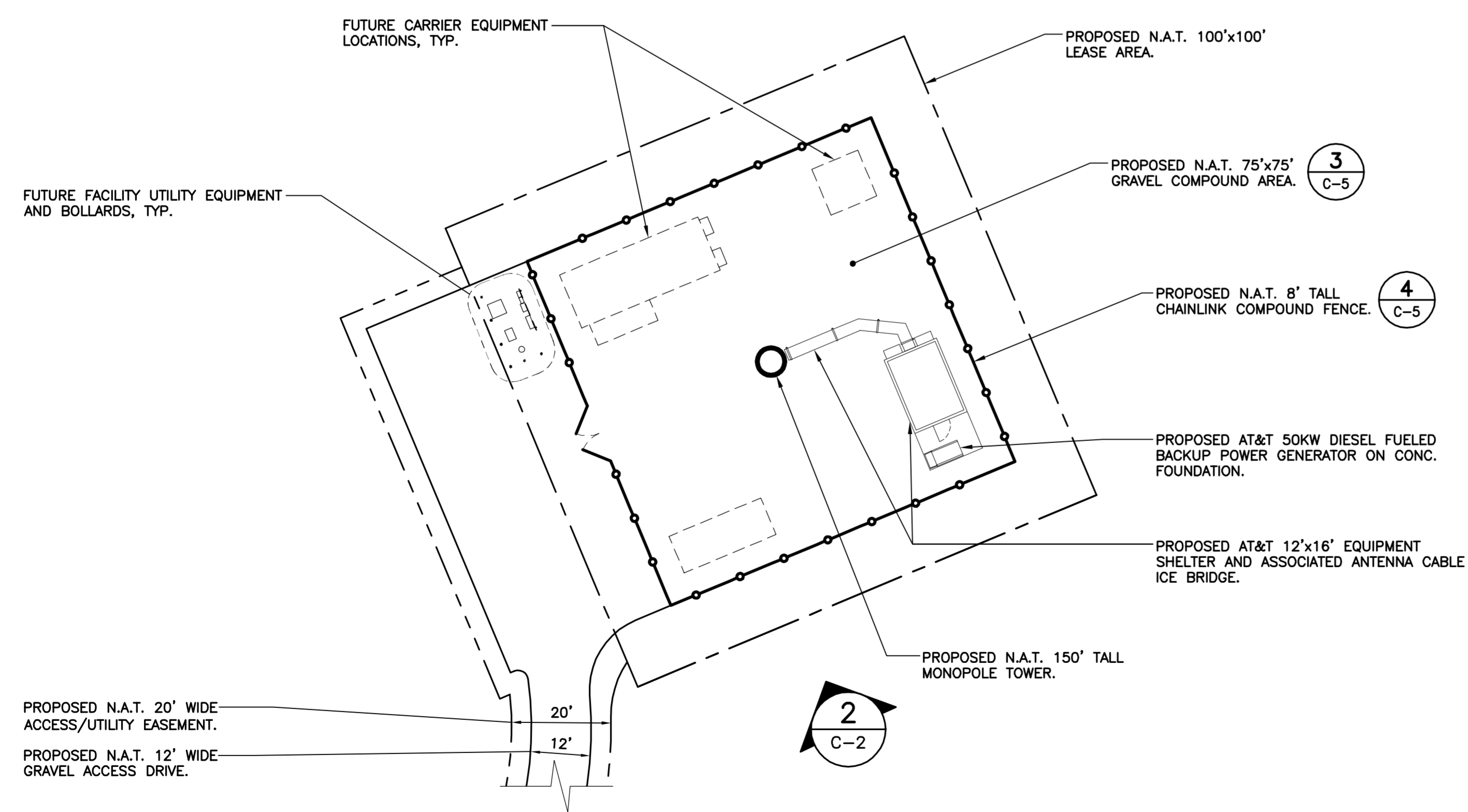
INSTALL NORTH AMERICAN GREEN EROSION  
 CONTROL BLANKET ON 2:1 SLOPE. REFER TO  
 SHEET C-3.

150' TOWER SETBACK RADIUS.

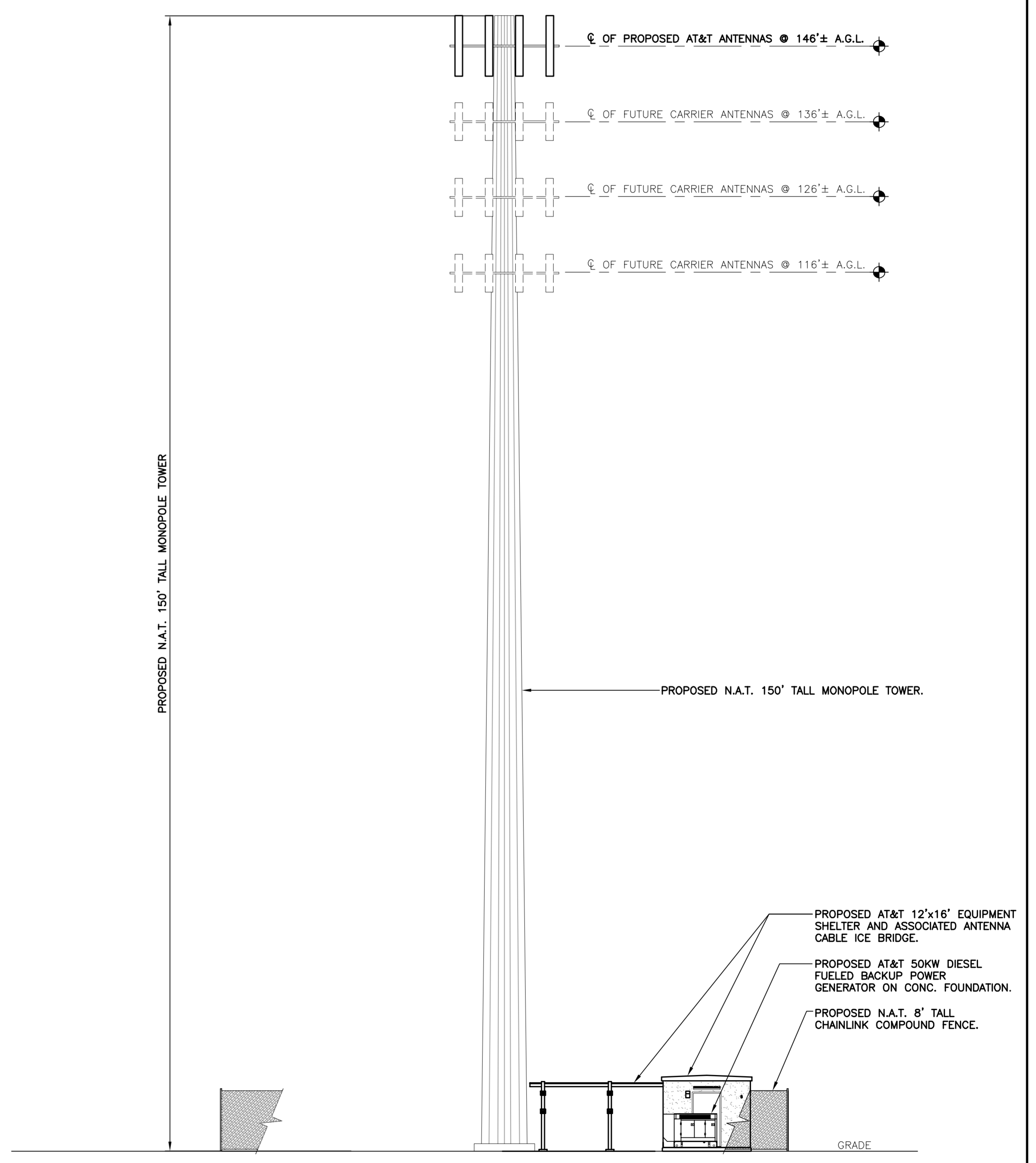
SYMBOLS LEGEND	
---	PROPERTY LINE
---	EASEMENT LINE (PROPOSED)
---	DRIVE (PROPOSED)
---	LEASE AREA
---650---	CONTOUR LINE
---o---	FENCE LINE (PROPOSED)
o	UTILITY POLE
X	SPOT ELEVATION
---x---	HAYBALES/ SILT FENCE
△	SIGN
o	IRON PIN
---	GUY ANCHOR
□	CATCH BASIN
o	DECIDUOUS TREE
o-o-o-o	STONE WALL
---	DRIVE (EXISTING)
---x---	FENCE LINE (EXISTING)
---x---	SILTATION FENCE
532	GRADING (PROPOSED)
△	WETLAND BOUNDARY

**1**  
 C-1B **SITE/ SITE SURVEY PLAN**  
 SCALE: 1"=40'





**1**  
 C-2  
**COMPOUND PLAN**  
 SCALE: 1" = 20'  
 GRAPHIC SCALE  
 ( IN FEET )  
 1 inch = 20 ft.



**2**  
 C-2  
**SOUTH ELEVATION**  
 SCALE: 1" = 10'  
 GRAPHIC SCALE  
 ( IN FEET )  
 1 inch = 10 ft.

DESIGNED BY: HMR  
 DRAWN BY: HMR  
 CHK'D BY: DMD

REV.	DATE	DESCRIPTION	CHK'D BY
3	11/26/13	CFC - REVISED	CFC
2	11/21/13	DMD - REVISED	DMD
1	11/18/13	HMR - REVISED	HMR
0	06/28/13	CSC - ISSUED FOR CLIENT REVIEW	DMD

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NORTH ATLANTIC TOWERS  
 WIRELESS COMMUNICATIONS FACILITY  
**SITE NUMBER: CT1155C**  
**SITE NAME: BETHEL (SITE 1)**  
**62 + 64 CODFISH HILL ROAD**  
**BETHEL, CT**

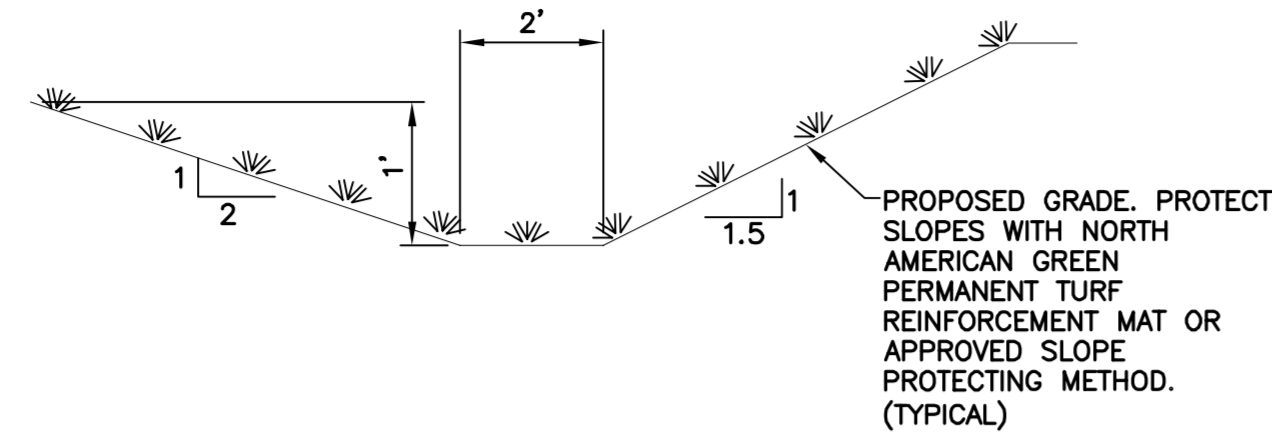
DATE: 06/27/13  
 SCALE: AS NOTED  
 JOB NO. 13116

**COMPOUND PLAN AND ELEVATION**

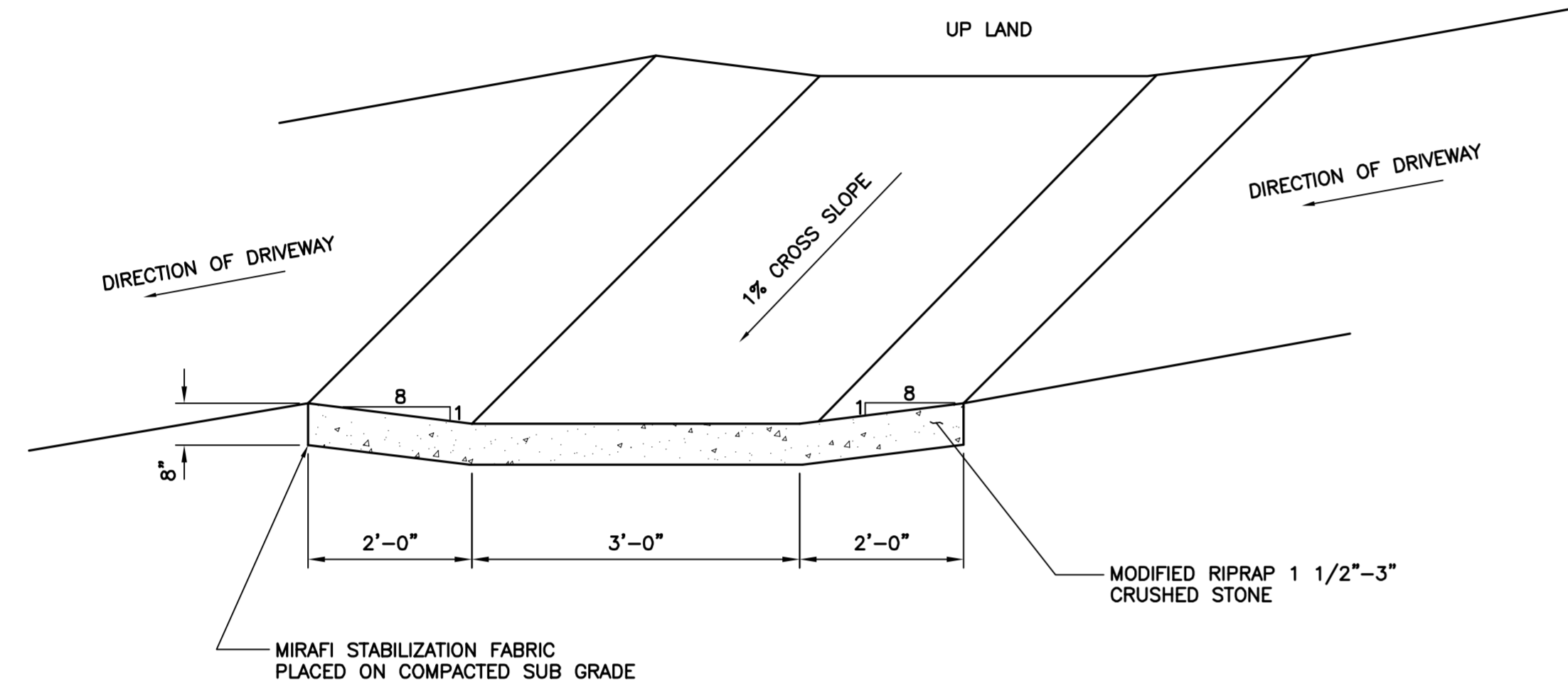
**C-2**  
 Sheet No. 5 of 8



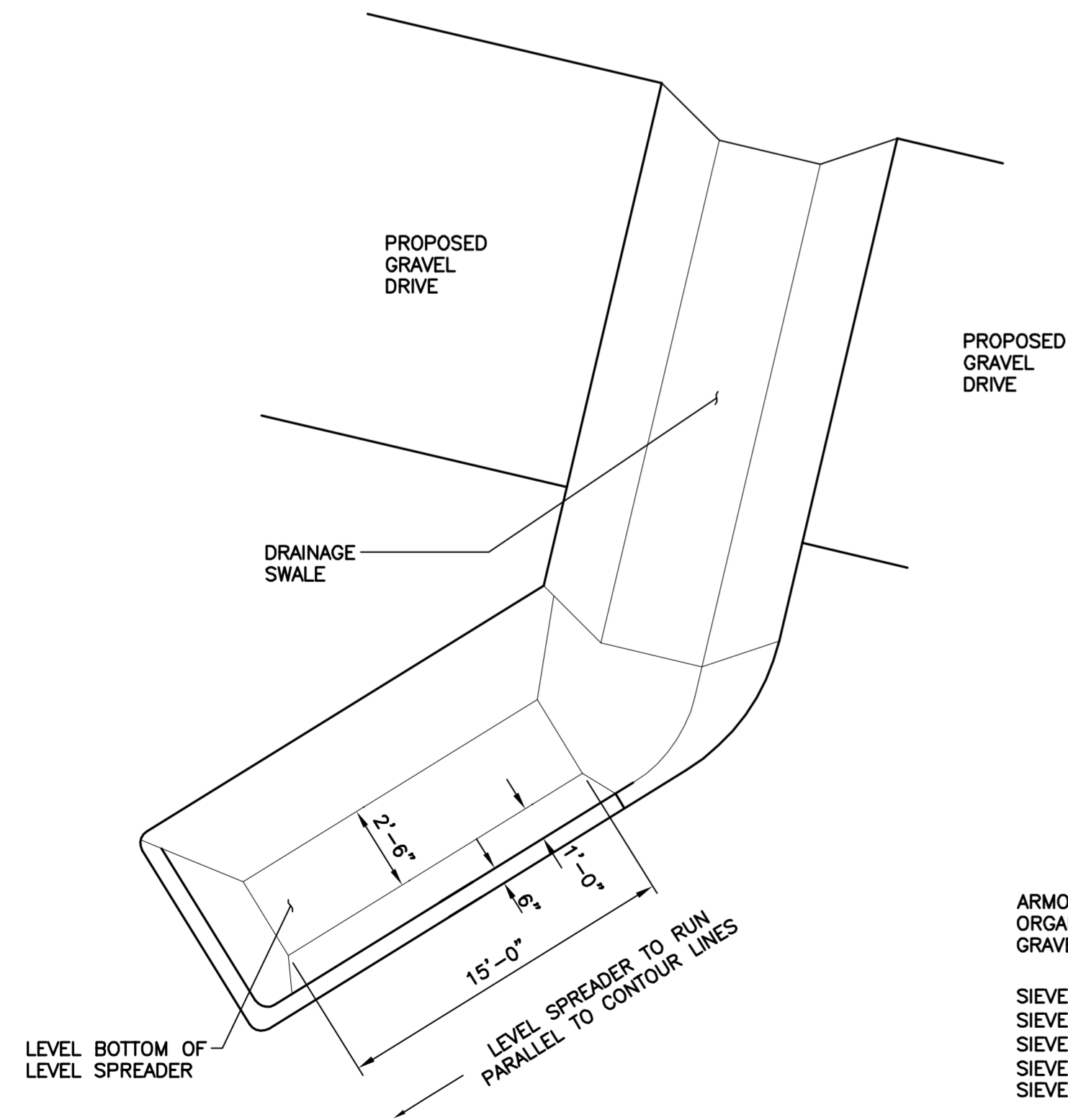




**5 TYPICAL SWALE SECTION**  
C-4 NOT TO SCALE



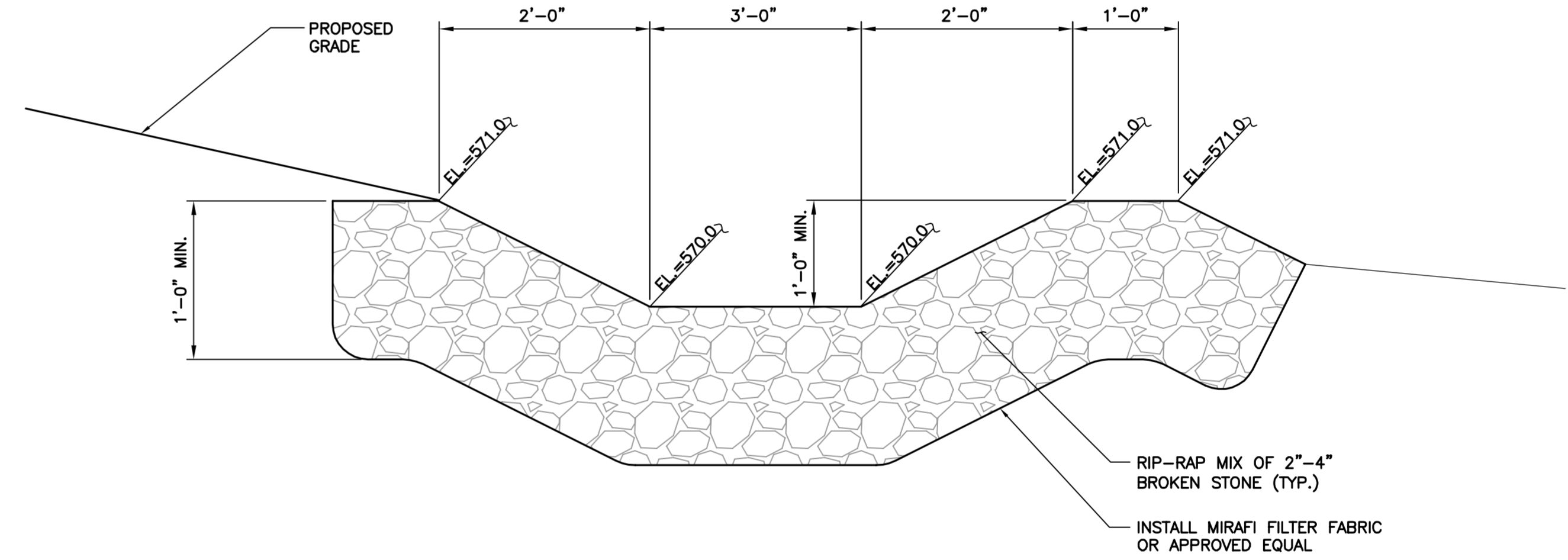
**4 CROSS DRAINAGE SWALE**  
C-4 NOT TO SCALE



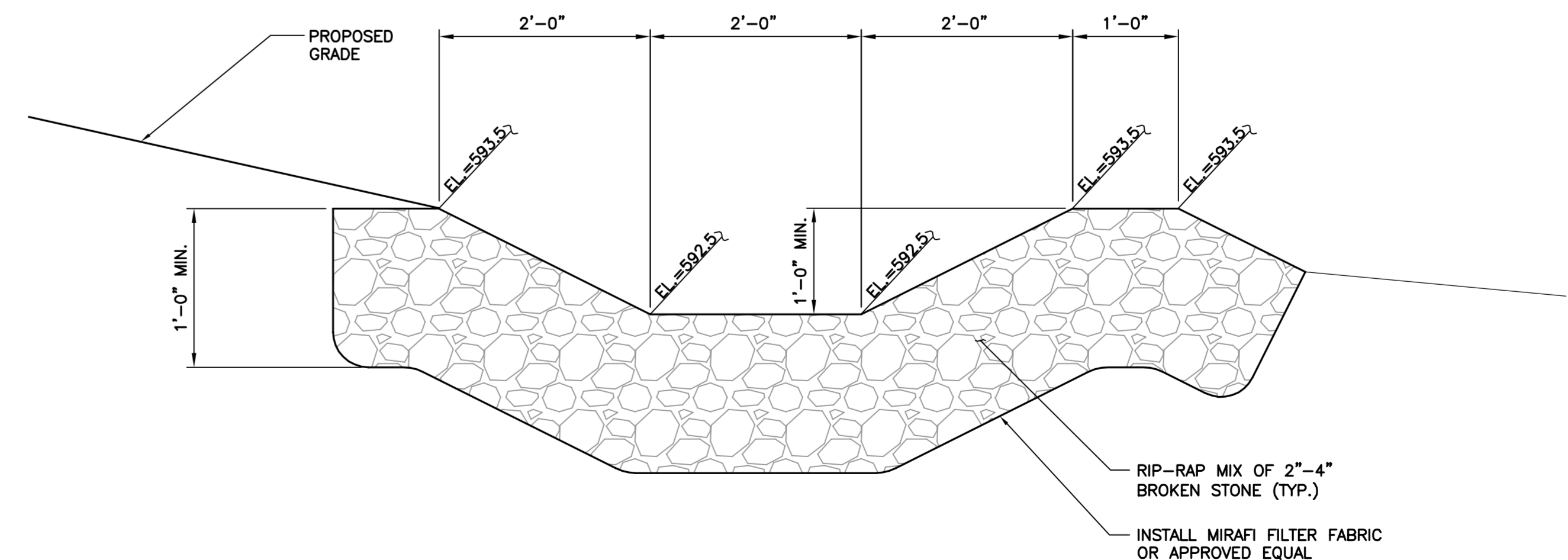
ARMORED STONE SURFACE SHALL BE FREE OF ORGANICS AND CONSIST SOLELY OF CRUSHED GRAVEL WITH THE FOLLOWING GRADATION:

SIEVE: 3 1/2"	% PASSING: 100
SIEVE: 2"	% PASSING: 35-70
SIEVE: 1 1/2"	% PASSING: 0-15
SIEVE: 1/2"	% PASSING: 0-5
SIEVE: NO. 4	% PASSING: 0

**3 LEVEL SPREADER W/ CROSS DRAINAGE SWALE**  
C-4 NOT TO SCALE



**2 LEVEL SPREADER #2 TYPICAL SECTION**  
C-4 NOT TO SCALE



**1 LEVEL SPREADER #1 TYPICAL SECTION**  
C-4 NOT TO SCALE

DESIGNED BY:	HMR	
DRAWN BY:	HMR	
CHK'D BY:	DMD	
REV.	DATE	DESCRIPTION
3	11/26/13	CFC - REVISED
2	11/21/13	CFC - REVISED
1	11/18/13	DMD
0	06/28/13	HMR - ISSUED FOR CLIENT REVIEW

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**NORTH ATLANTIC TOWERS**  
WIRELESS COMMUNICATIONS FACILITY  
**SITE NUMBER: CT1155C**  
**SITE NAME: BETHEL (SITE 1)**  
**62 + 64 CODFISH HILL ROAD**  
**BETHEL, CT**

DATE: 06/27/13  
SCALE: AS NOTED  
JOB NO. 13116

DRAINAGE CONTROL DETAILS

**C-4**  
Sheet No. 7 of 8







DESIGNED BY:	HMR	
DRAWN BY:	HMR	
CHK'D BY:	DMD	
REV.	DATE	DESCRIPTION
3	04/17/14	HMR - REVISED TO INCLUDE WETLAND BOUNDARIES
2	03/11/14	DMD - REVISED TO INCLUDE LEASE AREA METES & BOUNDS
1	02/07/14	HMR - REVISED TO INCLUDE LEASE AREA METES & BOUNDS
0	06/28/13	HMR - ISSUED FOR CLIENT REVIEW

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NORTH ATLANTIC TOWERS  
 WIRELESS COMMUNICATIONS FACILITY  
**SITE NUMBER: CT1155C**  
**SITE NAME: BETHEL (SITE 2)**  
**62 + 64 CODFISH HILL ROAD**  
**BETHEL, CT**

DATE: 06/27/13  
 SCALE: AS NOTED  
 JOB NO. 13116

SITE/  
 SITE SURVEY  
 PLAN

**C-1A**  
 Sheet No. 3 of 8

---	PROPERTY LINE
---	EASEMENT LINE (PROPOSED)
---	DRIVE (PROPOSED)
---	LEASE AREA
---	CONTOUR LINE
---	FENCE LINE (PROPOSED)
○	UTILITY POLE
X	SPOT ELEVATION
---	HAYBALES/ SILT FENCE
△	SIGN
○	IRON PIN
---	GUY ANCHOR
□	CATCH BASIN
○	DECIDUOUS TREE
○	STONE WALL
---	DRIVE (EXISTING)
---	FENCE LINE (EXISTING)
---	SILTATION FENCE
---	GRADING (PROPOSED)
---	WETLAND BOUNDARY

DISTANCE TO NEAREST OFF SITE RESIDENCE	=	610'±
DISTANCE TO NEAREST MUNICIPALITY (NEWTOWN)	=	3,970'±
ACCESS/UTILITY EASEMENT LENGTH OFF CODFISH HILL RD.	=	860'±
NUMBER OF RESIDENTIAL STRUCTURES WITHIN 1000' OF TOWER.	=	10
TOTAL NUMBER OF TREES TO BE REMOVED	=	63

**SURVEY NOTES**

THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300B-1 THRU 20-300B-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES - "MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPT. 26, 1996. THE TOPOGRAPHIC SURVEY PORTION OF THIS PLAN CONFORMS TO A VERTICAL ACCURACY OF CLASS T-2 AND IS INTENDED TO BE USED TO DEPICT A PROPOSED TELECOMMUNICATION SITE.

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VERTICAL DATUM IS BASED ON NGVD 29.

COORDINATES REFER TO NAD 83.

PARCEL OWNER OF RECORD: CLAUDIA STONE  
 62 CODFISH HILL ROAD  
 DEED REFERENCES VOL. 992 P. 127, VOL. 514 P. 619  
 PARCEL AREA = 50± ACRES.

PARCEL IS IN R80 ZONING DISTRICT.

PARCEL ID: MAP 65 BLOCK 57 LOT 122 BETHEL ASSESSOR'S OFFICE.

PARCEL IS NOT IN A FLOOD HAZARD ZONE AS SHOWN ON THE FLOOD INSURANCE RATE MAP, FAIRFIELD COUNTY, ALL JURISDICTIONS, PANELS 144, 163, 232 & 255 OF 626, COMMUNITY PANEL NUMBERS 09001C0144F, 09001C0163F, 09001C0232F & 09001C0255F, EFFECTIVE DATE JUNE 8, 2010, BY FEDERAL EMERGENCY MANAGEMENT AGENCY.

REFERENCE IS MADE TO THE FOLLOWING MAPS:

MAP PREPARED FOR ANTHONY CARALLUZZI AND JULIA CARALLUZZI, ELMWOOD DISTRICT, BETHEL, CONNECTICUT, SCALE 1"=40', DATED AUG. 30, 1974, BY HAROLD B. COVILLIE.

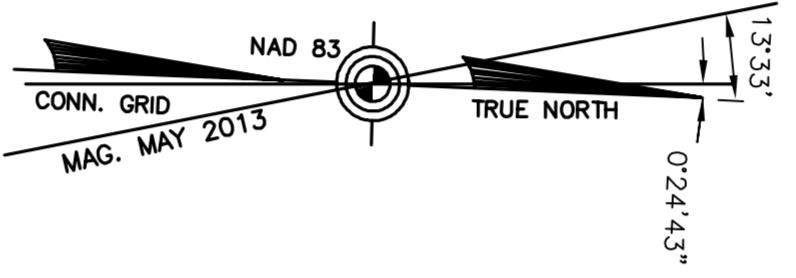
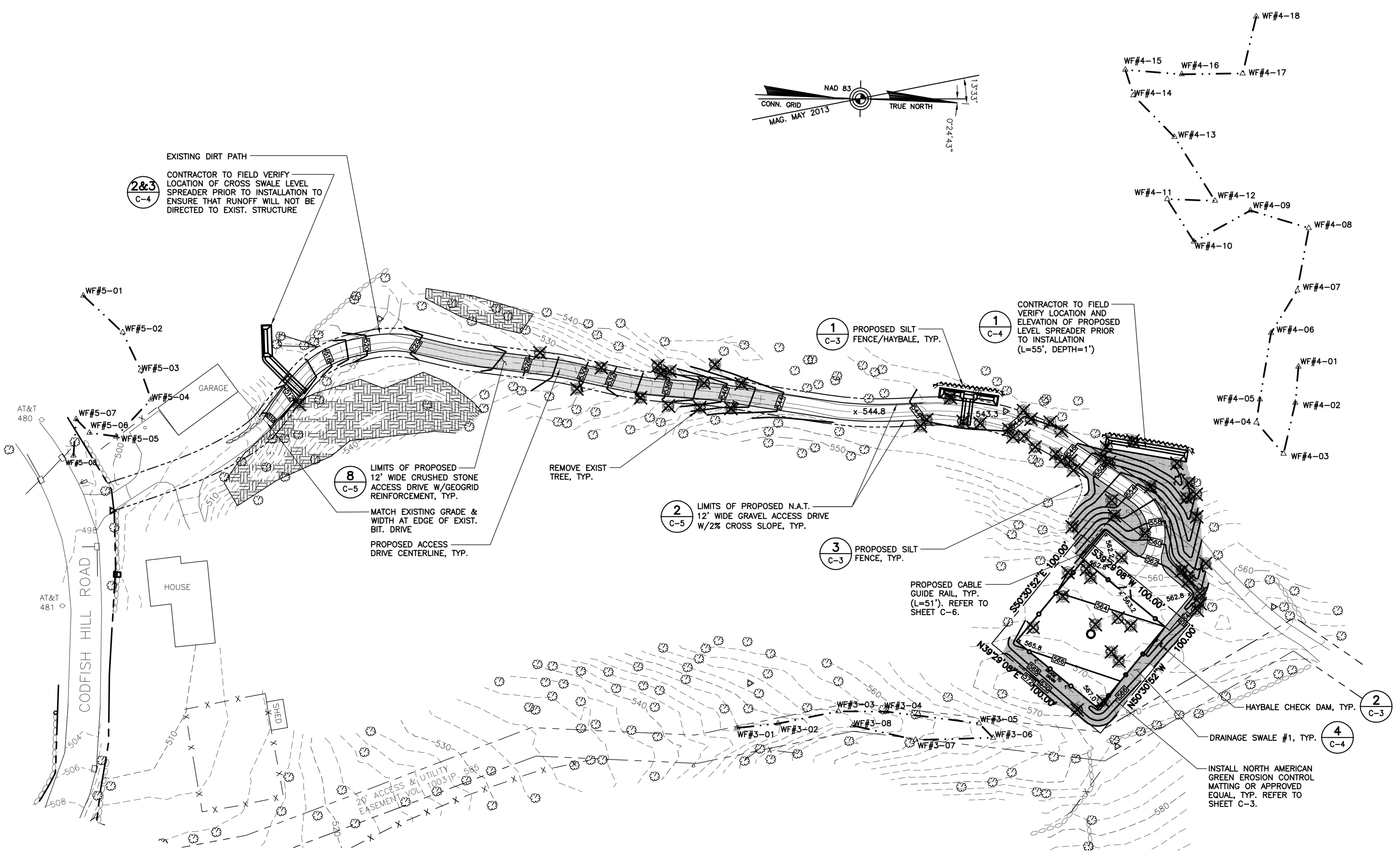
PROPERTY DIVISION MAP, CODFISH HILL ROAD, BETHEL, CONNECTICUT, PREPARED FOR JEFFREY A. PARKER, SCALE 1"=40', DATED 6-16-83, BY KASPER - RYAN ASSOCIATES.

MAP PREPARED FOR WALTER W. & ARLENE C. CARLSON, BETHEL, CONNECTICUT, SCALE 1"=40', DATED DEC. 24, 1964, BY HENRICI ASSOCIATES.

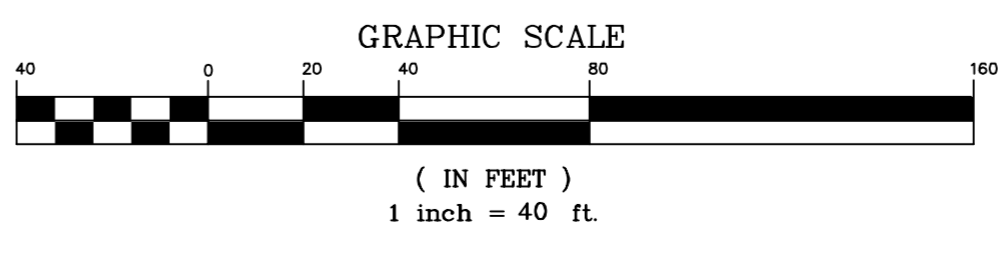
NOT ALL IMPROVEMENTS SHOWN.

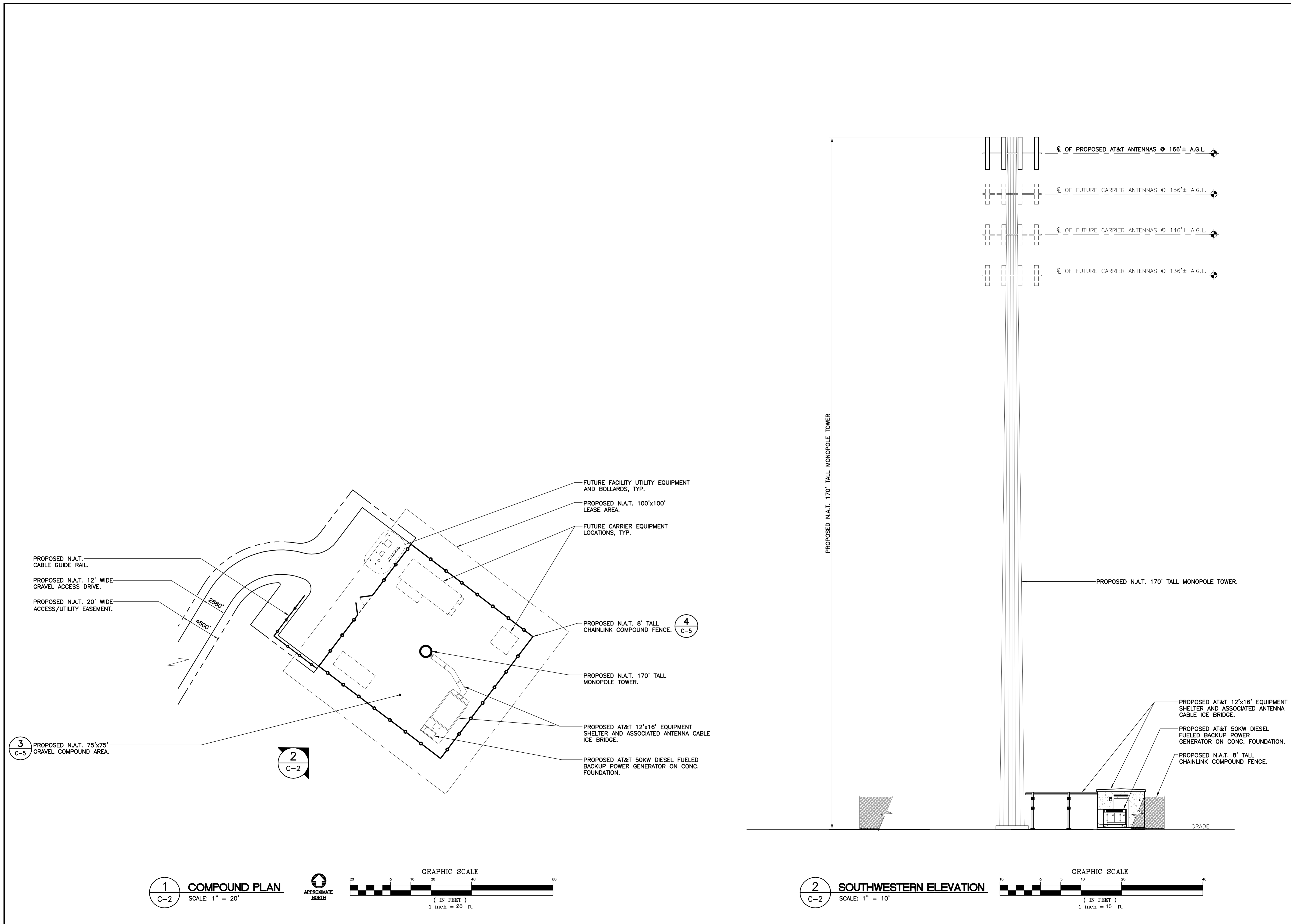
TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE AND SEAL

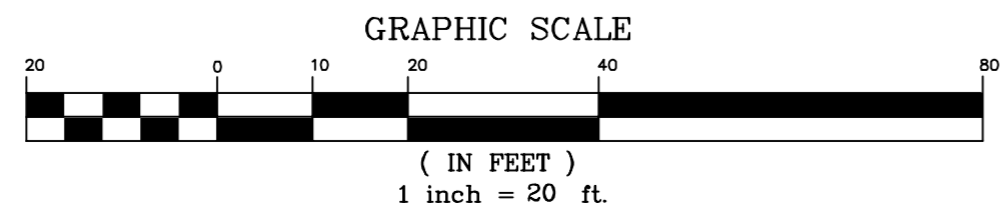


**1 SITE/ SITE SURVEY PLAN**  
 C-1A SCALE: 1"=40'

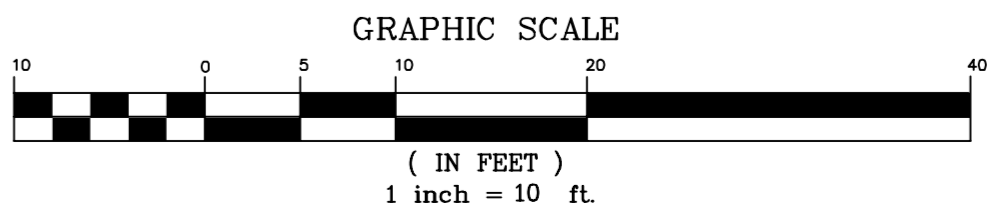




**1**  
C-2 **COMPOUND PLAN**  
SCALE: 1" = 20'



**2**  
C-2 **SOUTHWESTERN ELEVATION**  
SCALE: 1" = 10'



DESIGNED BY:	HMR			
DRAWN BY:	HMR			
CHK'D BY:	DMD			
REV.	DATE	DESCRIPTION		
2	03/11/14	DMD	CFC	CSC - REVISED TO INCLUDE LEASE AREA METES & BOUNDS
1	02/07/14	HMR	DMD	CSC - REVISED
0	06/28/13	HMR	DMD	CSC - ISSUED FOR CLIENT REVIEW

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**NORTH ATLANTIC TOWERS**  
WIRELESS COMMUNICATIONS FACILITY  
**SITE NUMBER: CT1155C**  
**SITE NAME: BETHEL (SITE 2)**  
**62 + 64 CODFISH HILL ROAD**  
**BETHEL, CT**

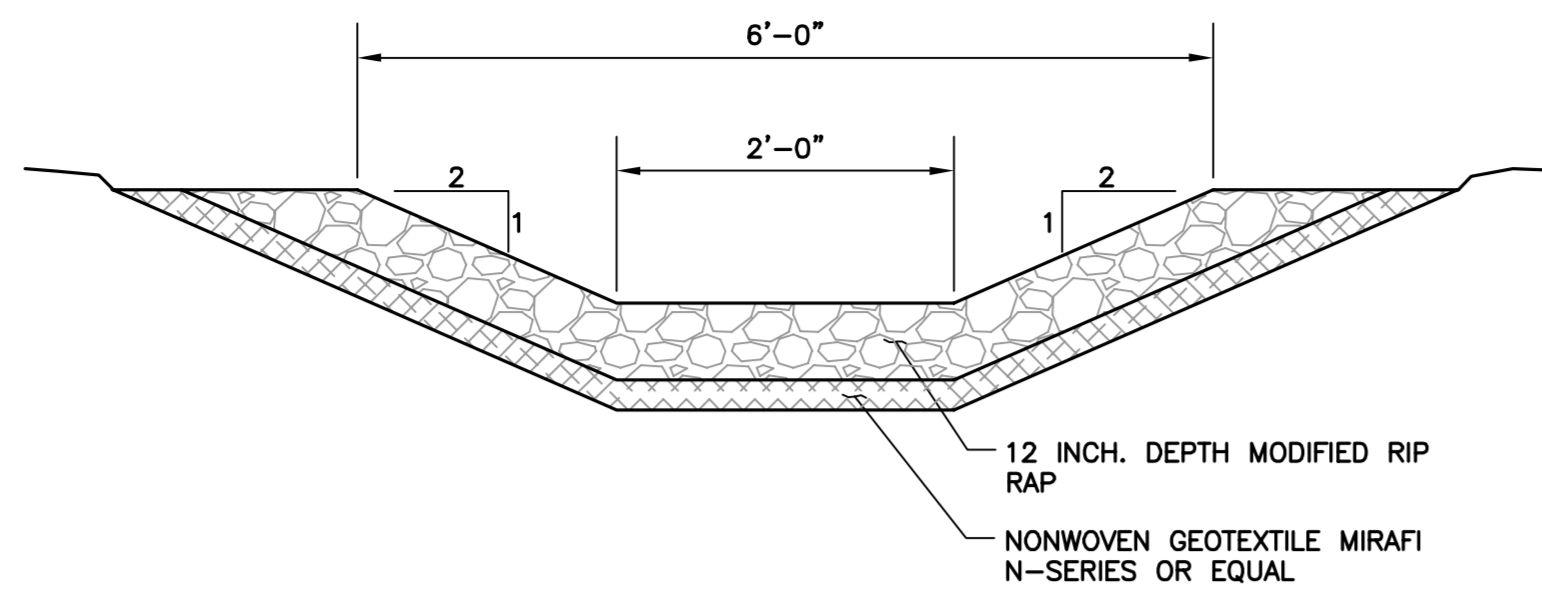
DATE: 06/27/13  
SCALE: AS NOTED  
JOB NO. 13116

COMPOUND  
PLAN AND  
ELEVATION

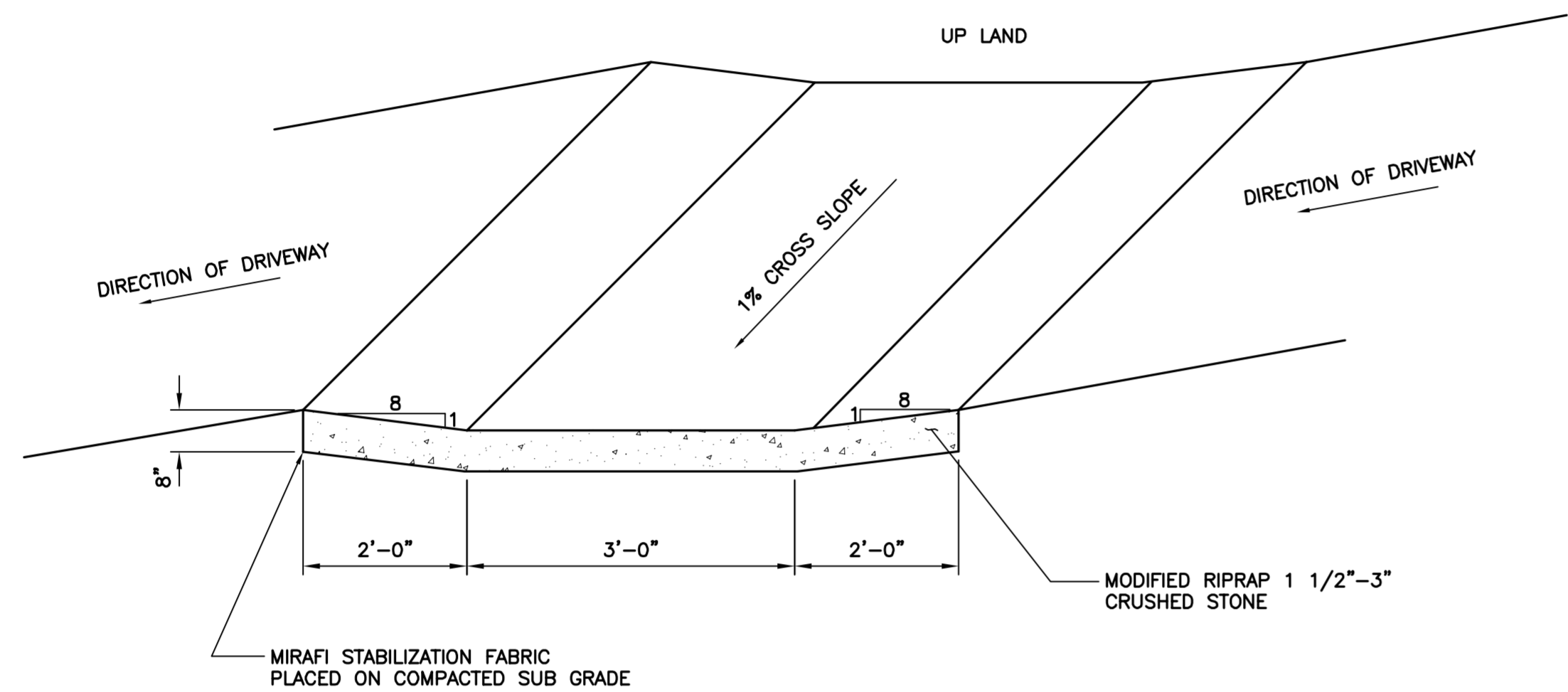
**C-2**  
Sheet No. 4 of 8



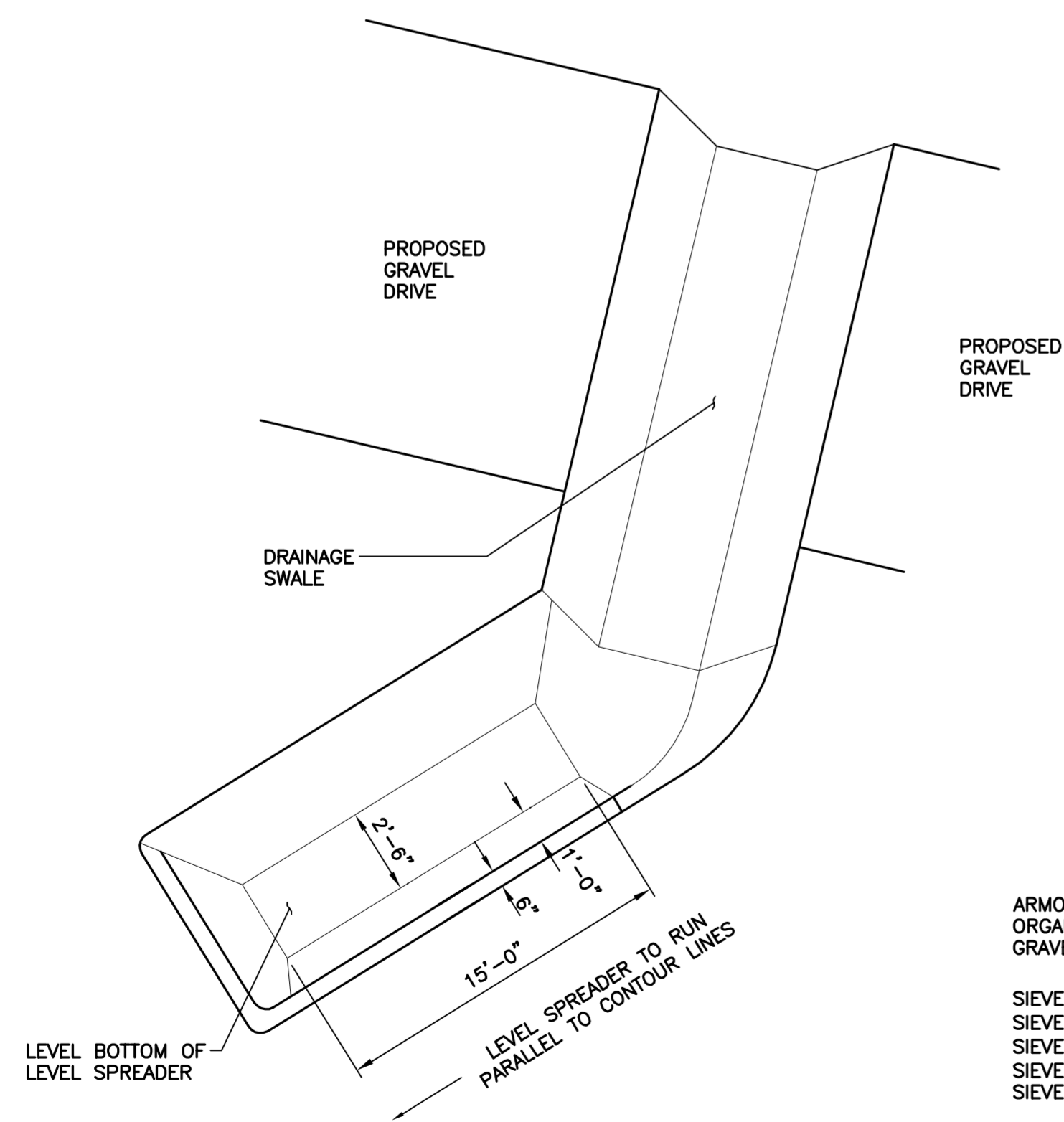




**4 DRAINAGE SWALE #1 TYPICAL SECTION**  
C-4 NOT TO SCALE



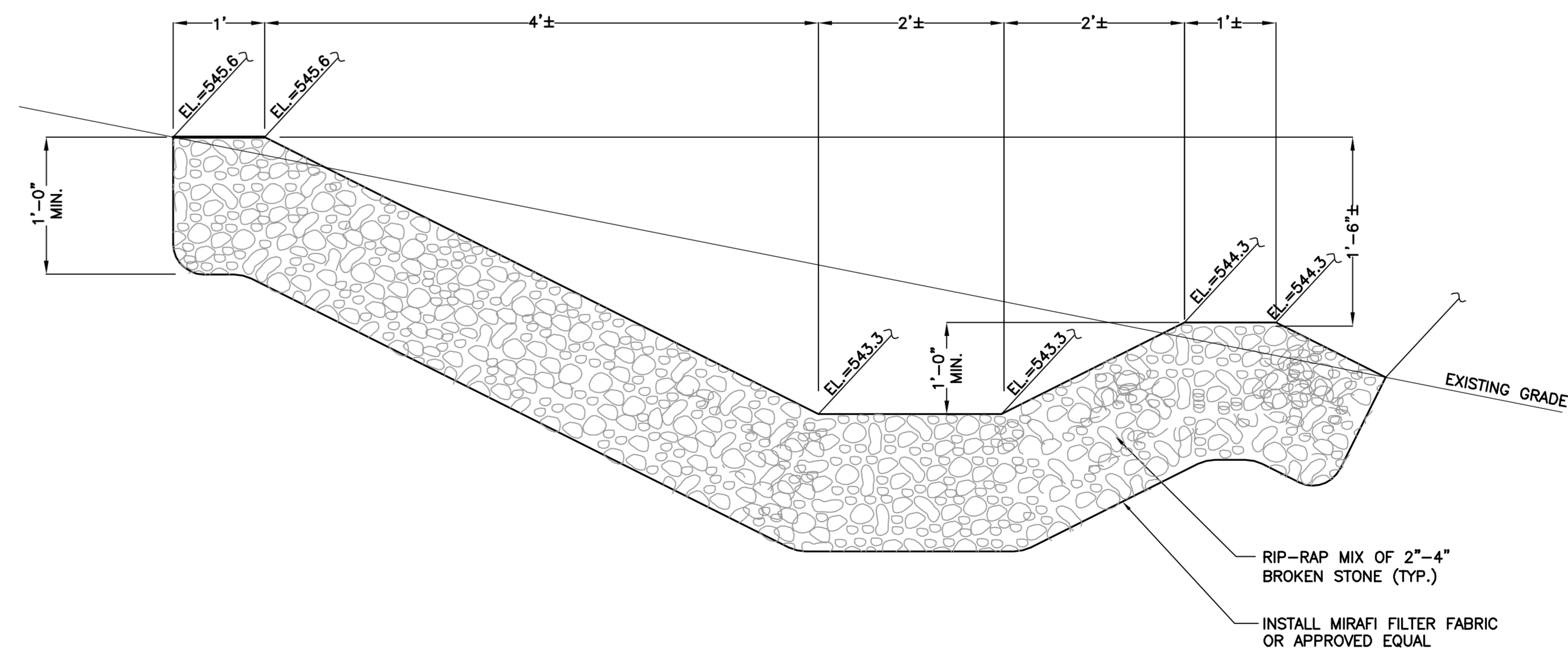
**3 CROSS DRAINAGE SWALE**  
C-4 NOT TO SCALE



ARMORED STONE SURFACE SHALL BE FREE OF ORGANICS AND CONSIST SOLELY OF CRUSHED GRAVEL WITH THE FOLLOWING GRADATION:

SIEVE: 3 1/2"	% PASSING: 100
SIEVE: 2"	% PASSING: 35-70
SIEVE: 1 1/2"	% PASSING: 0-15
SIEVE: 1/2"	% PASSING: 0-5
SIEVE: NO. 4	% PASSING: 0

**2 LEVEL SPREADER W/ CROSS DRAINAGE SWALE**  
C-4 NOT TO SCALE



**1 LEVEL SPREADER TYPICAL SECTION**  
C-4 NOT TO SCALE

DESIGNED BY:	HMR	
DRAWN BY:	HMR	
CHK'D BY:	DMD	
REV.	DATE	DESCRIPTION
0	06/28/13	ISSUED FOR CLIENT REVIEW
1	02/07/14	REVISED
2	03/11/14	REVISED TO INCLUDE LEASE AREA METES & BOUNDS

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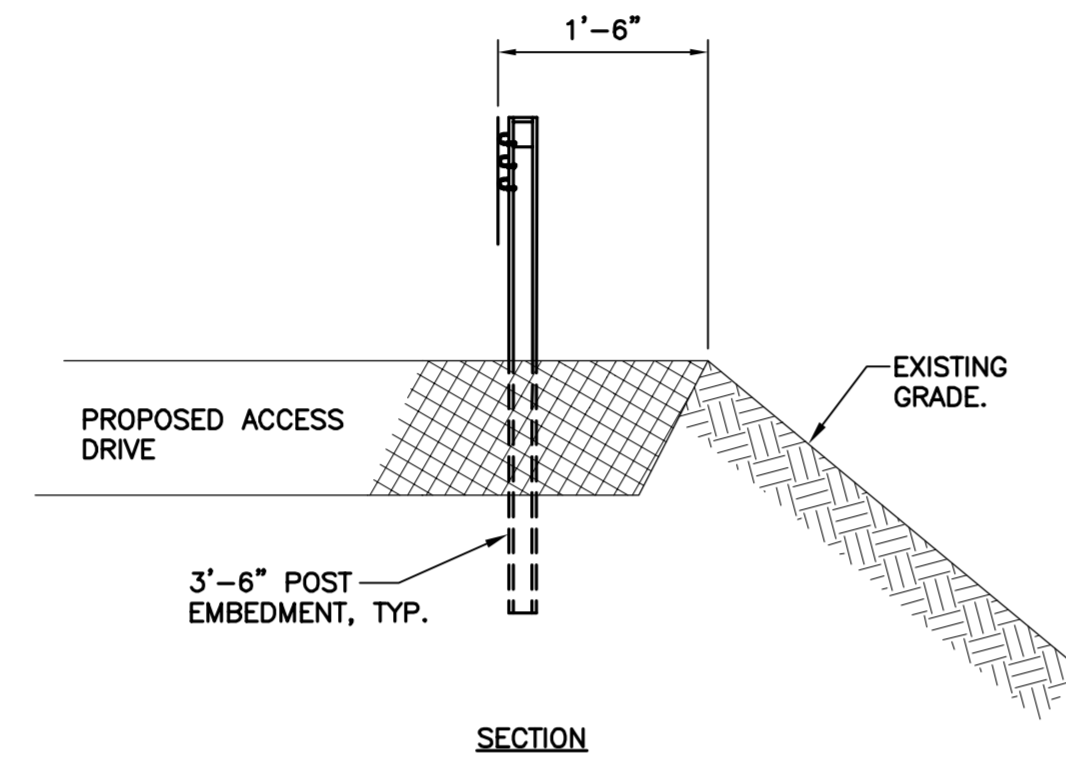
NORTH ATLANTIC TOWERS  
WIRELESS COMMUNICATIONS FACILITY  
**SITE NUMBER: CT1155C**  
**SITE NAME: BETHEL (SITE 2)**  
**62 + 64 CODFISH HILL ROAD**  
**BETHEL, CT**

DATE: 06/27/13  
SCALE: AS NOTED  
JOB NO. 13116

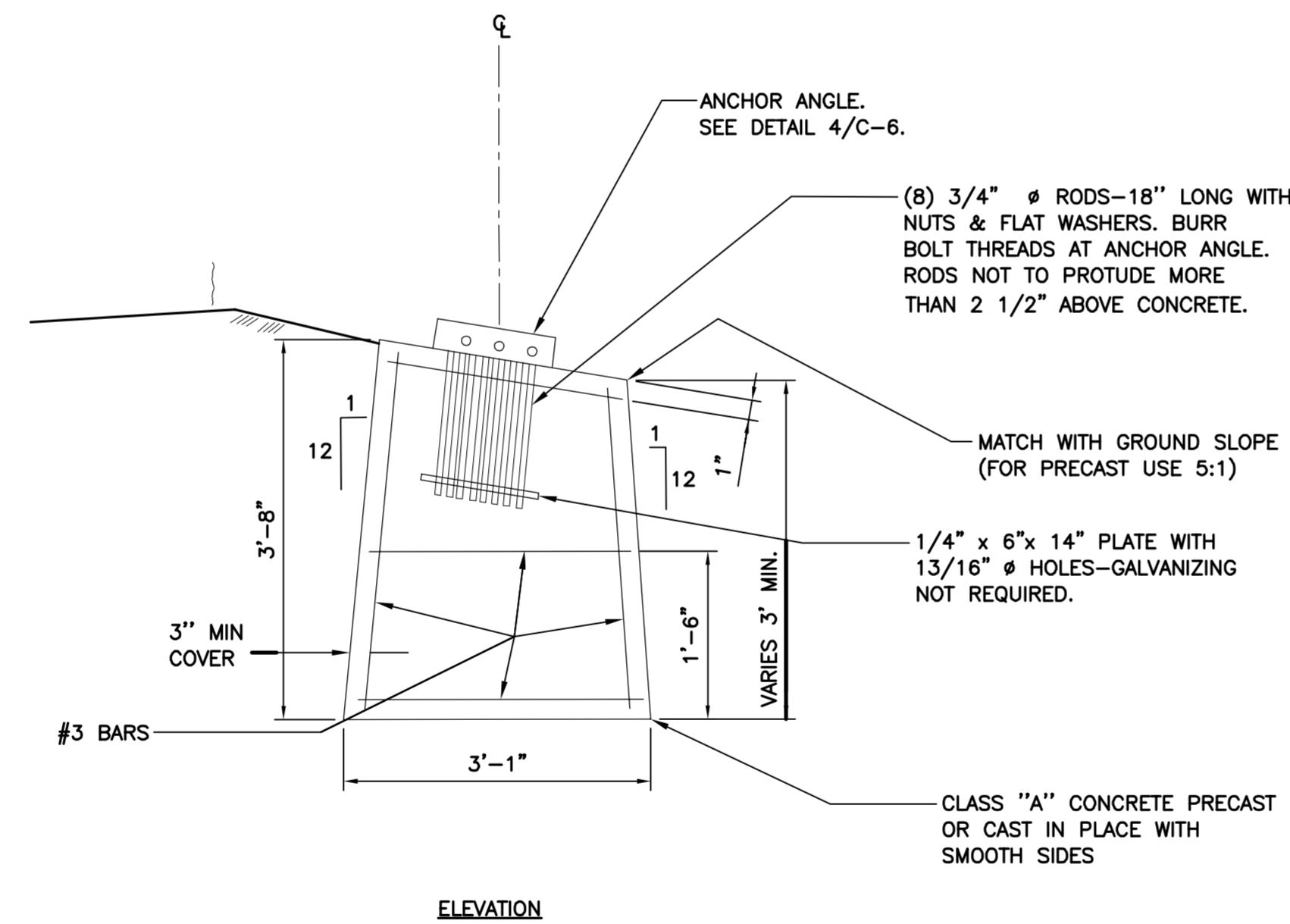
DRAINAGE CONTROL DETAILS

**C-4**  
Sheet No. 6 of 8

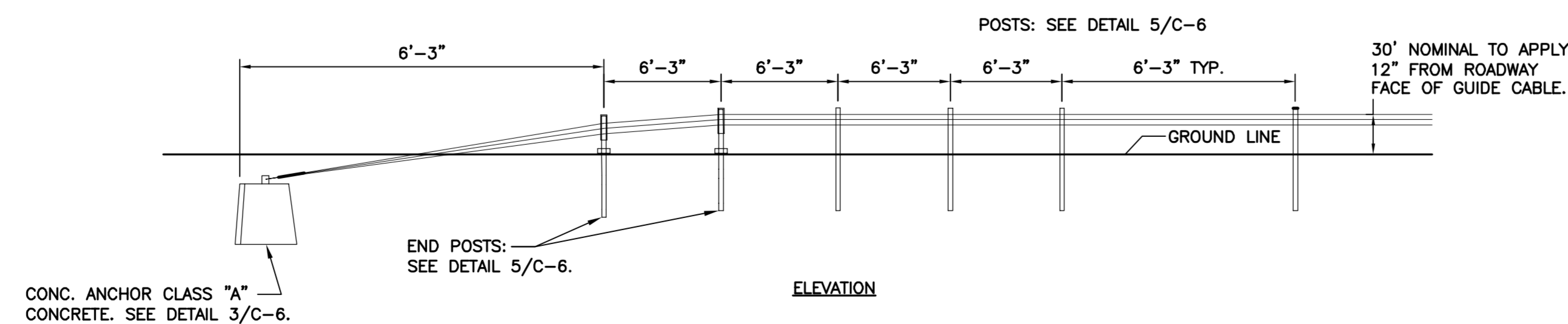




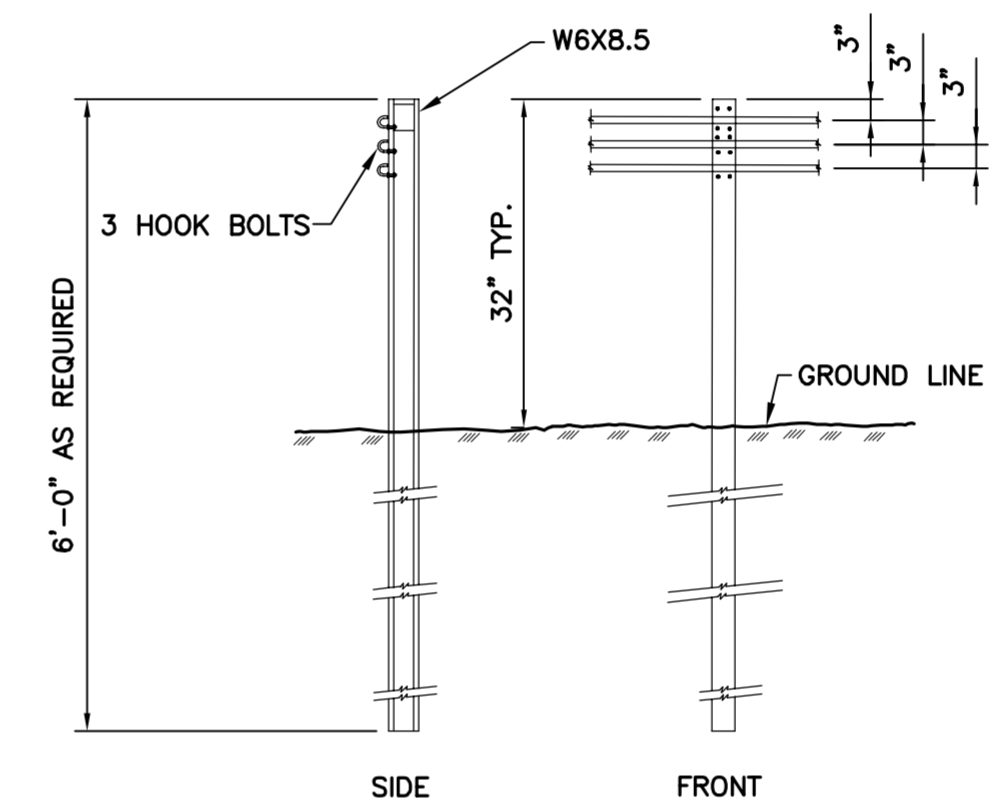
**2 GUIDE RAIL DETAIL**  
C-6 NOT TO SCALE



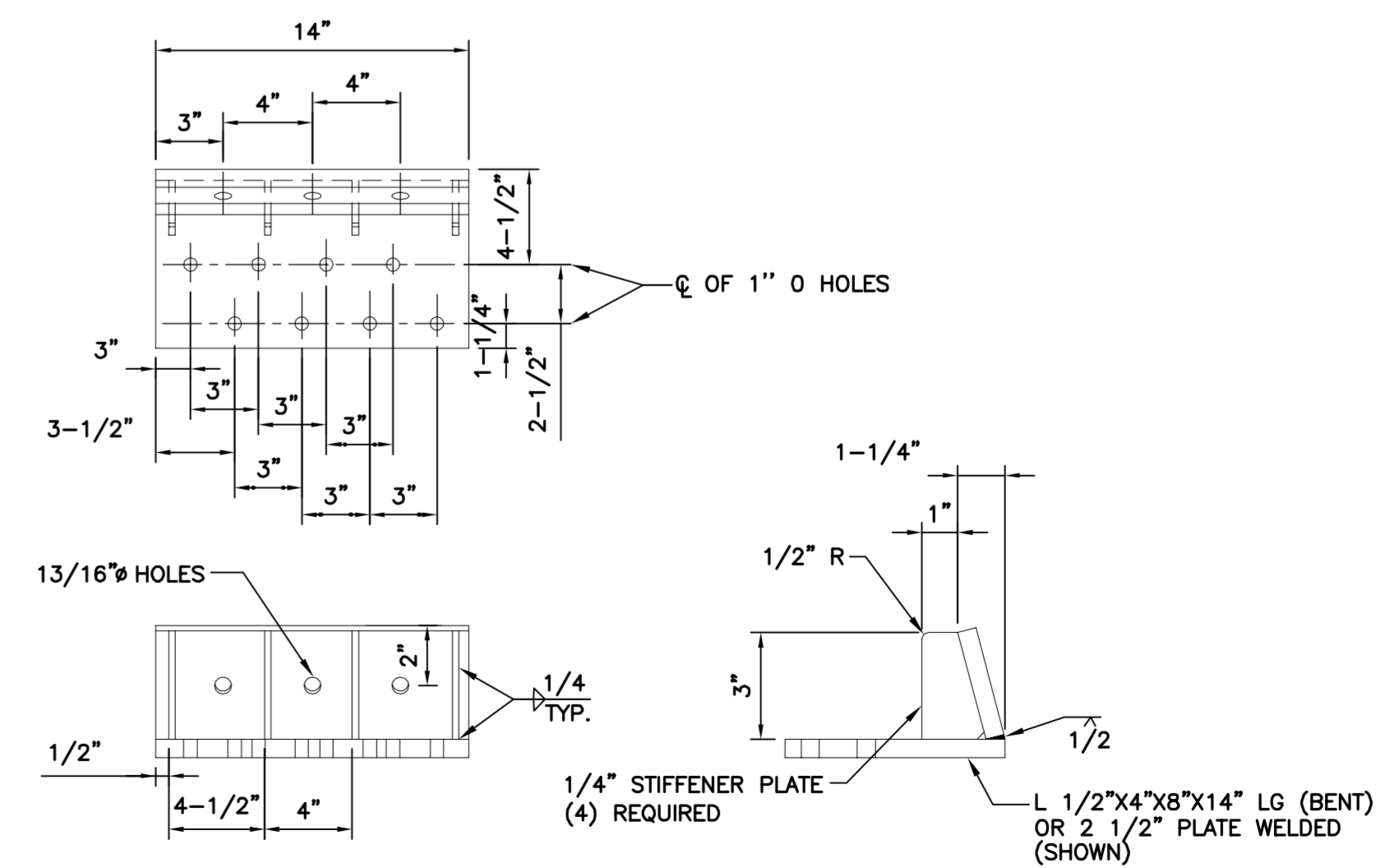
**3 CONCRETE ANCHOR END DETAIL**  
C-6 NOT TO SCALE



**1 TYPICAL APPROACH AND TERMINAL SECTIONS**  
C-6 NOT TO SCALE



**5 POST DETAIL**  
C-6 NOT TO SCALE



NOTE: DESIGNS FOR SIMILAR BREAKAWAY ANCHOR ANGLES MAY BE SUBMITTED FOR APPROVAL.

**4 ANCHOR ANGLE DETAIL**  
C-6 NOT TO SCALE

DESIGNED BY:	HMR			
DRAWN BY:	HMR			
CHK'D BY:	DMD			
REV.	DATE	DESCRIPTION		
2	03/11/14	DMD	CFC	CSC - REVISED TO INCLUDE LEASE AREA METES & BOUNDS
1	02/07/14	HMR	DMD	CSC - REVISED
0	06/28/13	HMR	DMD	CSC - ISSUED FOR CLIENT REVIEW

PROFESSIONAL ENGINEER SEAL



**CEN TEK** engineering  
Centered on Solutions  
(203) 488-0380  
(203) 488-3887 Fax  
652 North Branford Road  
Branford, CT 06405  
www.CenTekEng.com

**NORTH ATLANTIC TOWERS**  
WIRELESS COMMUNICATIONS FACILITY  
**SITE NUMBER: CT1155C**  
**SITE NAME: BETHEL (SITE 2)**  
**62 + 64 CODFISH HILL ROAD**  
**BETHEL, CT**

DATE: 06/27/13  
SCALE: AS NOTED  
JOB NO. 13116

GUIDE RAIL DETAILS

***Appendix B***  
***Site Photographs***



Overview photo of the proposed lease area associated with Alternate 1 facing southeast.



Overview photo of the proposed lease area associated with Alternate 1 facing west.

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Overview photo of the eastern end of the proposed access road associated with Alternate 1 facing west.



Overview photo of the east-central portion of the proposed access road associated with Alternate 1 facing west.

---



Overview photo of the proposed lease area associated with Alternate 2 facing southeast (Note push piles and debris).



Overview photo of the central portion of the proposed access road associated with Alternates 1 and 2 facing west (not large stone, eroded areas, and modern trash dumping in this area).

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Overview photo of the western end of the proposed access road associated with Alternates 1 and 2 facing south (note paved and graveled surfaces in this area).



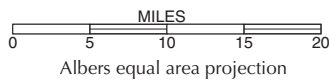
***Appendix C***  
***NEPA Review Documents***



## FEDERAL LANDS AND INDIAN RESERVATIONS

- Bureau of Indian Affairs
- Department of Defense (includes Army Corps of Engineers lakes)
- Fish and Wildlife Service / Wilderness
- Bureau of Prisons

Some small sites are not shown, especially in urban areas.



NEW YORK

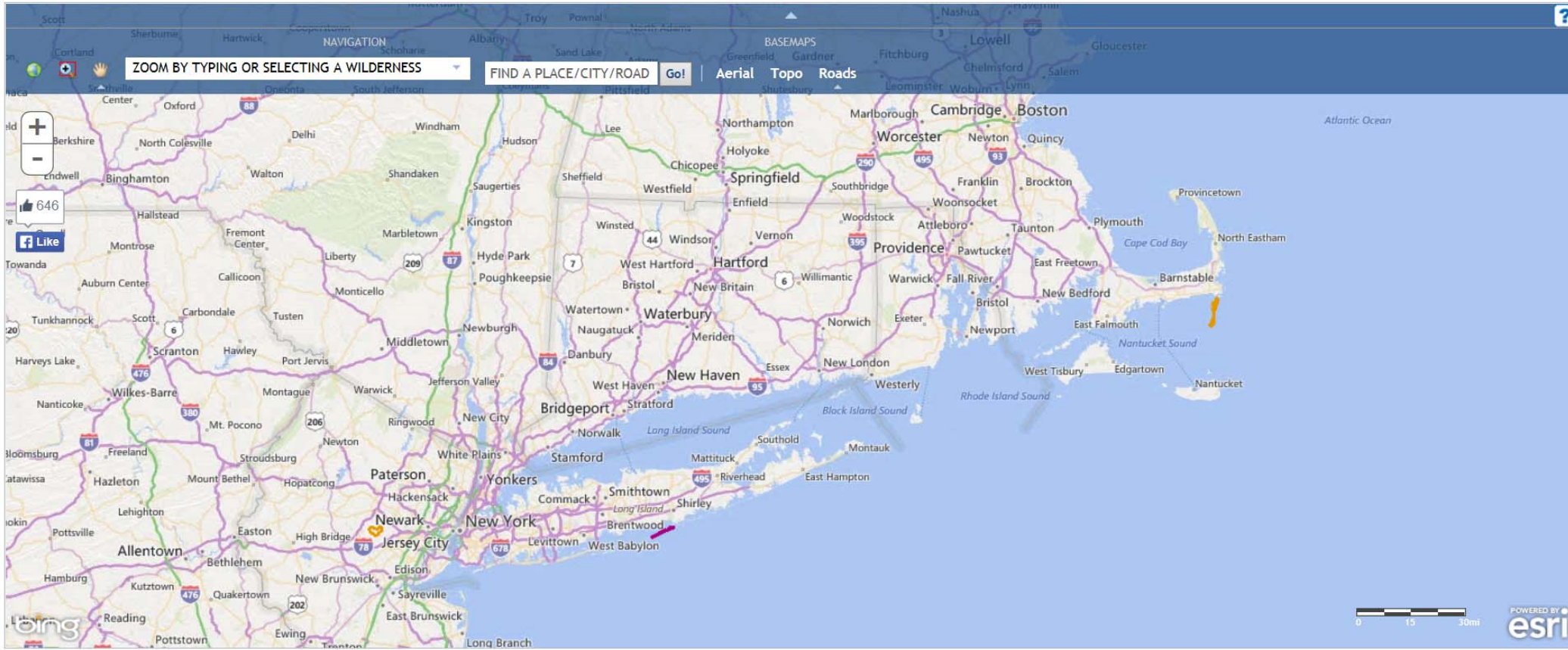
MASSACHUSETTS



RI

NEW YORK





Latitude/Longitude: 41.302468, -70.869529

Wildernesses Managed By: Bureau of Land Management Fish and Wildlife Service Forest Service National Park Service





## USFWS COMPLIANCE DETERMINATION

**October 27, 2014**

**North Atlantic Towers, LLC  
1001 3<sup>rd</sup> Avenue West, Suite 420  
Bradenton, FL 34205**

**APT Project No.: CT407100**

**Re: Proposed Bethel Facility – CT1155C  
62 and 64 Codfish Hill Road  
Bethel, Connecticut**

On behalf of North Atlantic Towers, LLC (“NAT”), All-Points Technology Corporation, P.C. (“APT”) performed an evaluation with respect to possible federally-listed, threatened or endangered species in order to determine if the proposed referenced communications facility would result in a potential adverse effect to federally-listed species. This consultation was completed in accordance with FCC rules implementing the National Environmental Policy Act (“NEPA”) and section 7 of the Endangered Species Act through the U.S. Fish and Wildlife Service’s (“USFWS”) Information, Planning, and Conservation System (“IPaC”)<sup>1</sup> for a proposed telecommunications facility at the referenced subject property.

No federally-listed endangered or threatened species or critical habitat are known to occur in the vicinity of the subject property and as such the proposed North Atlantic Towers development will not result in an effect to any known population of federally-listed endangered or threatened species or critical habitat. A copy of the IPaC report is enclosed.

Although a complete evaluation of the proposed tower potential impact to migratory birds has not been performed, this tower appears to be generally compliant with the USFWS recommendations published in Interim Guidelines for Recommendations on Communication Tower Siting, Construction, Operation, and Decommissioning for the Migratory Bird Treaty Act (“MBTA”): this tower would be less than 200 feet tall; no guy wires or lighting are required; and, the tower would accommodate future carriers.

In addition, APT has also consulted with the Connecticut Department of Energy and Environmental Protection’s (“DEEP”) Natural Diversity Data Base regarding Priority Habitats of Rare Species or Estimated Habitats of Rare Wildlife and records exist in the vicinity of the proposed Facility for a State-listed Special Concern Species: *Terrapene carolina carolina* (eastern box turtle)<sup>2</sup>. North Atlantic Towers has committed to implementing protective measures during construction as recommended by APT and approved by CTDEEP to avoid impacts to this non-avian species.

The proposed construction activities will result in the clearing of trees and mature vegetation that has the potential to support breeding birds protected by the MBTA. Therefore, the following recommendation is provided to avoid potential disturbance during periods of high bird activity: if construction activities should occur during the

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<sup>1</sup> IPaC Consultation Tracking Number: 05E1NE00-2014-SLI-0260, dated May 22, 2014

<sup>2</sup> DEEP NDDB letter, October 16, 2013, NDDB #201405645

peak nesting period of April 15 through July 15<sup>3</sup>: tree clearing work shall be completed prior to April 15th. If construction activities should occur during the peak nesting period but tree clearing work has not been completed by April 15th (preferred recommendation), an avian survey shall be conducted to determine if MBTA protected breeding birds would be disturbed by tree clearing activities. If the avian survey concludes that breeding birds would be disturbed, construction activities shall be restricted from the April 15 through July 15 peak nesting period.

Therefore, it is unlikely that the proposed North Atlantic Towers development would impact any potential threatened or endangered species, designated critical habitats, or migratory bird species protected under the MBTA.

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<sup>3</sup> USFWS identifies the peak avian nesting season as April 15 through July 15 and recommends clearing activities be performed before this period in order to comply with the Migratory Bird Treaty Act, personal communication with Maria Tur, USFWS New England Field Office, February 27, 2014.

# USFWS IPaC Threatened and Endangered Species Report

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# United States Department of the Interior



FISH AND WILDLIFE SERVICE  
New England Ecological Services Field Office  
70 COMMERCIAL STREET, SUITE 300  
CONCORD, NH 3301  
PHONE: (603)223-2541 FAX: (603)223-0104  
URL: [www.fws.gov/newengland](http://www.fws.gov/newengland)

Consultation Tracking Number: 05E1NE00-2014-SLI-0260

May 22, 2014

Project Name: Bethel CT1155C

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project.

## To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having

similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan ([http://www.fws.gov/windenergy/eagle\\_guidance.html](http://www.fws.gov/windenergy/eagle_guidance.html)). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment





United States Department of Interior  
Fish and Wildlife Service

Project name: Bethel CT1155C

## Official Species List

### Provided by:

New England Ecological Services Field Office  
70 COMMERCIAL STREET, SUITE 300  
CONCORD, NH 3301  
(603) 223-2541  
<http://www.fws.gov/newengland>

**Consultation Tracking Number:** 05E1NE00-2014-SLI-0260

**Project Type:** Communications Tower

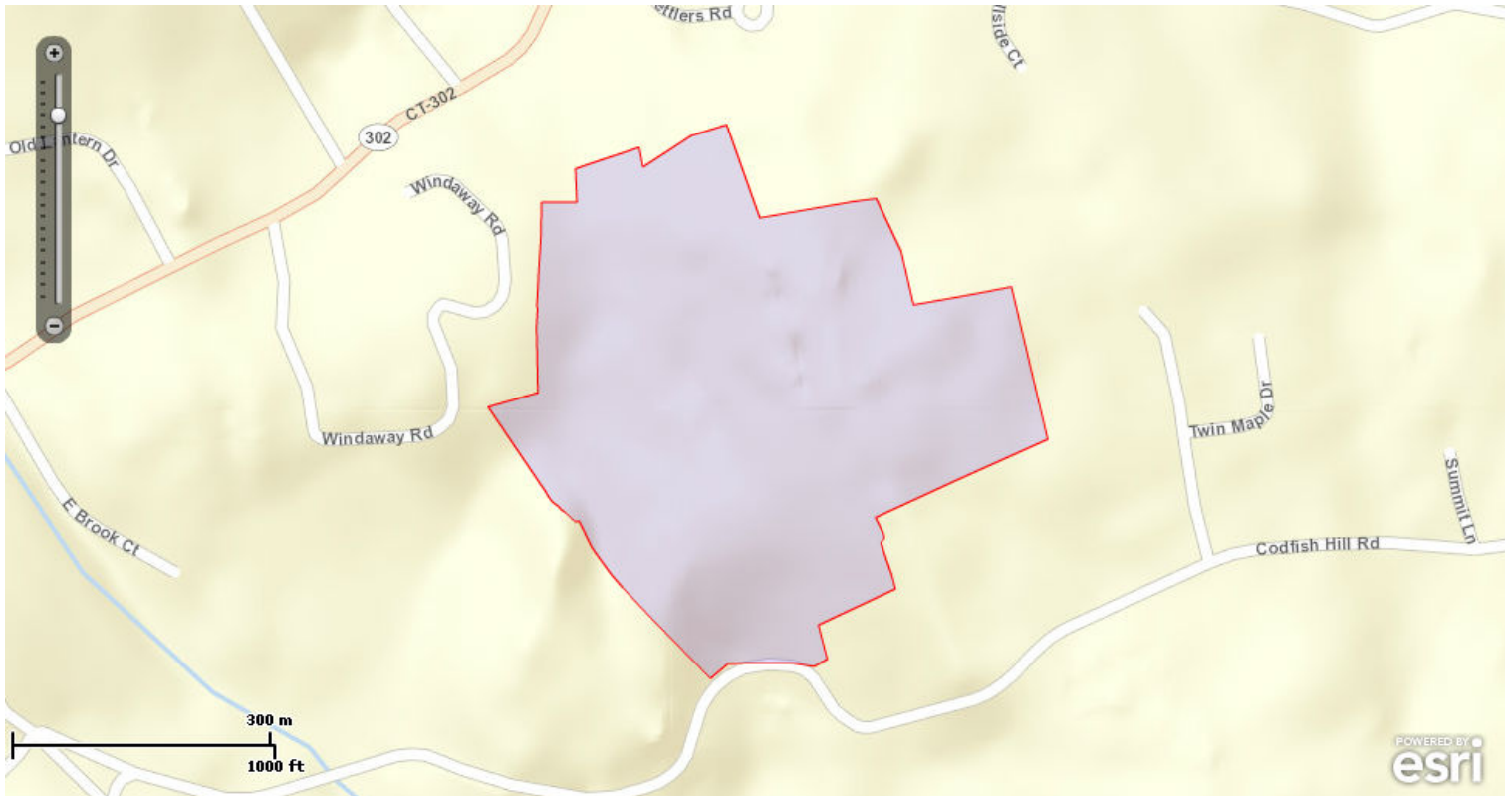
**Project Description:** Site Address: 62 & 64 Codfish Hill Road, Bethel, CT. A new 170' tall telecommunications facility with 75' x 75' compound.



United States Department of Interior  
Fish and Wildlife Service

Project name: Bethel CT1155C

**Project Location Map:**



**Project Coordinates:** MULTIPOLYGON (((-73.3742066 41.3779904, -73.3737479 41.3770155, -73.3721267 41.3772187, -73.3717768 41.3766677, -73.3716046 41.3761117, -73.3702435 41.3763001, -73.3697416 41.3747067, -73.3721376 41.373888, -73.3720304 41.3737323, -73.3720113 41.3736717, -73.3720641 41.3736293, -73.3718563 41.3731477, -73.3729305 41.3727691, -73.3728059 41.3724121, -73.3729963 41.372336, -73.3733159 41.3723753, -73.3741922 41.3723637, -73.3744337 41.3722102, -73.3758074 41.3732894, -73.3760911 41.3735873, -73.3762598 41.3738527, -73.3763183 41.3738425, -73.3766403 41.3740557, -73.3775277 41.3750425, -73.3768385 41.3751925, -73.3768589 41.3758754, -73.3767897 41.3771775, -73.3762965 41.3771817, -73.3763166 41.3775286, -73.3754278 41.3777512, -73.3753694 41.3775461, -73.3747063 41.3778742, -73.3742066 41.3779904)))

**Project Counties:** Fairfield, CT



United States Department of Interior  
Fish and Wildlife Service

Project name: Bethel CT1155C

## Endangered Species Act Species List

There are a total of 0 threatened, endangered, or candidate species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Critical habitats listed on the **Has Critical Habitat** lines may or may not lie within your project area. See the **Critical habitats within your project area** section further below for critical habitat that lies within your project. Please contact the designated FWS office if you have questions.

There are no listed species identified for the vicinity of your project.



United States Department of Interior  
Fish and Wildlife Service

Project name: Bethel CT1155C

## **Critical habitats that lie within your project area**

There are no critical habitats within your project area.



# Request for Natural Diversity Data Base (NDDB) State Listed Species Review

All requesters must completely fill out Parts I - VII of this form and submit Attachments A and B, or the request will be rejected as incomplete. **There are no fees associated with NDDB Reviews.**

DEP USE ONLY	
Request No.	_____
Hardcopy _____	Electronic files _____

## Part I: Preliminary Screening

Before submitting this request, you must review the Natural Diversity Data Base "State and Federal Listed Species and Significant Natural Communities Maps" found on the [DEP website](#). Follow the instructions on the map or in this form's instruction document. These maps are updated twice a year, usually in June and December.

Does your site, including all affected areas, meet the screening criteria according to the instructions:

Yes     No

Enter the date of the map reviewed for pre-screening: December 2013

## Part II: Requester Information

*\*If the requester is a corporation, limited liability company, limited partnership, limited liability partnership, or a statutory trust, it must be registered with the Secretary of State. If applicable, the company name shall be stated **exactly** as it is registered with the Secretary of State.*

*If the requester is an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.).*

### 1. Requester Company Name\*: **North Atlantic Towers, LLC**

Name:

Address: **1001 3<sup>rd</sup> Avenue West, Suite 420**

City/Town: **Bradenton**

State: **FL**

Zip Code: **34205**

Business Phone:

ext.

Fax:

Requester can best be described as:

Business Entity     Federal Agency     Municipal govt.     State agency     Individual

Tribe     Other (specify):

Acting as (Affiliation), pick one:

Property owner     Consultant     Engineer     Facility owner     Applicant

Biologist     Pesticide Applicator     Other representative (specify):

### 2. List Primary Contact to receive Natural Diversity Data Base correspondence and inquiries, if different from requester.

Company: **All-Points Technology Corporation, P.C. ("APT")**

Contact Person: **Dean Gustafson**

Title: **Senior Environmental Scientist**

Mailing Address: **3 Saddlebrook Drive**

City/Town: **Killingworth**

State: **CT**

Zip Code: **06419**

Business Phone: **860-663-1697**

ext. **201**

Fax:

Email: [dgustafson@allpointstech.com](mailto:dgustafson@allpointstech.com)

## Part II: Requester Information (continued)

Affiliation of primary contact, check one:  Property owner  Consultant  Engineer  
 Facility owner  Applicant  Biologist  Pesticide Applicator  
 Other representative (specify):

### 3. Project Type:

Choose Project Type: Cellular/Communications tower installation/maint. , If other describe: \_\_\_\_\_

## Part III: Site Information

This request can only be completed for one site. A separate request must be filed for each additional site.

### 1. Site Location

Site Name or Project Name: **CT1155C; Sites 1 & 2**

Town(s): **Bethel**

Street Address or Location Description:  
**62 & 64 Codfish Hill Road**

Size in acres, or site dimensions: **50± acres**

Latitude and longitude of the center of the site in decimal degrees (e.g., 41.23456 -71.68574):

Latitude: **41.375116/41.37429**

Longitude: **-73.371255/-73.373684**

Method of coordinate determination (check one):

GPS  Photo interpolation using [CTECO map viewer](#)  Other (specify): **survey**

2a. Describe the current land use and land cover of the site.

**The subject parcel is an inactive agricultural property with a residence and garage/barn. The property is predominately forested along with old field habitat and forested wetland areas.**

b. Check all that apply and enter the size in acres or % of area in the space after each checked category.

<input type="checkbox"/> Industrial/Commercial _____	<input checked="" type="checkbox"/> Residential <u>5%</u>	<input checked="" type="checkbox"/> Forest <u>75%</u>
<input checked="" type="checkbox"/> Wetland <u>20</u>	<input checked="" type="checkbox"/> Field/grassland <u>20%</u>	<input checked="" type="checkbox"/> Agricultural <u>30</u>
<input type="checkbox"/> Water _____	<input type="checkbox"/> Utility Right-of-way _____	
<input type="checkbox"/> Transportation Right-of-way _____	<input type="checkbox"/> Other (specify): _____	

## Part IV: Project Information

1. Is the subject activity limited to the maintenance, repair, or improvement of an existing structure within the existing footprint?  Yes  No      If yes, explain.

## Part IV: Project Information (continued)

2. Give a detailed description of the activity which is the subject of this request and describe the methods and equipment that will be used.

**NAT proposes construction of a 170-foot telecommunications tower facility at one of two possible locations on the subject property. There would be an 8' tall chain link fence that surrounds the 75' by 75' compound. The access/ utility easement would be a 12-foot wide gravel drive that generally follows along a farm road that travels through forested and old field areas. Typical equipment used to construct this facility include excavator, crane, various sized trucks and support vehicles. Typical methods include cutting of pavement, excavation/forming/pouring of concrete tower foundation, erection of tower, construction of compound and installation of equipment shelter, generator and supporting electrical equipment.**

3. Provide a contact for questions about the project details if different from Part II primary contact.

Name:

Phone:

Email:

## Part V: Request Type and Associated Application Type

Check *one* box from either Group 1 or Group 2, indicating the appropriate category for this request.

**Group 1.** If you check one of these boxes, fill out Parts I – VII of this form and submit the required attachments A and B.

- Preliminary screening was negative but an NDDB review is still requested
- Request regards a municipally regulated or unregulated activity (no state permit/certificate needed)
- Request regards a preliminary site assessment or project feasibility study
- Request relates to land acquisition or protection
- Request is associated with a *renewal* of an existing permit, with no modifications

**Group 2.** If you check one of these boxes, fill out Parts I – VII of this form and submit required attachments A, B, and C.

- Request is associated with a *new* state or federal permit application
- Request is associated with modification of an existing permit
- Request is associated with a permit enforcement action
- Request regards site management or planning, requiring detailed species recommendations
- Request regards a state funded project, state agency activity, or CEPA request

If you are filing this request as part of a state or federal permit application enter the application information below.

Permitting Agency and Application Name:

**Connecticut Siting Council, Certificate of Environmental Compatibility and Public Need**

State DEP Application Number, if known: **N/A**

State DEP Enforcement Action Number, if known: **N/A**

State DEP Permit Analyst/Engineer, if known: **N/A**

Is this request related to a previously submitted NDDB request?  Yes  No

Enter the previous NDDB Request Number(s), if known: \_\_\_\_\_



## Part VI: Supporting Documents

Please check each attachment submitted as verification that *all* applicable attachments have been supplied with this request form. Label each attachment as indicated in this part (e.g., Attachment A, etc.) and be sure to include the requester's name, site name and the date. **Please note that Attachments A and B are required for all requesters.** Attachment C (DEP-APP-007C) is supplied at the end of this form.

<input checked="" type="checkbox"/> Attachment A:	<b>Overview Map:</b> an 8 1/2" X 11" print/copy of the relevant portion of a USGS Topographic Quadrangle Map clearly indicating the exact location of the site.
<input checked="" type="checkbox"/> Attachment B:	<b>Detailed Site Map:</b> fine scaled map showing site boundary details on aerial imagery with relevant landmarks labeled. (Site boundaries in GIS [ESRI ArcView shapefile, in NAD83, State Plane, feet] format can be substituted for detailed maps, see instruction document)
<input checked="" type="checkbox"/> Attachment C:	<b>Supplemental Information, Group 2 requirement (attached, DEP-APP-007C)</b> <input checked="" type="checkbox"/> Section i: Supplemental Site Information and supporting documents  <input checked="" type="checkbox"/> Section ii: Supplemental Project Information and supporting documents

## Part VII: Requester Certification

The requester *and* the individual(s) responsible for actually preparing the request must sign this part. A request will be considered incomplete unless all required signatures are provided.

<p>"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief."</p>	
Signature of Requester  <b>Dean Gustafson, APT</b>	<b>05/25/14</b> Date  <b>Senior Environmental Scientist</b>
Name of Requester (print or type)	Title (if applicable)
Signature of Preparer (if different than above)	Date
Name of Preparer (print or type)	Title (if applicable)

Note: Please submit the completed Request Form and all Supporting Documents to:

CENTRAL PERMIT PROCESSING UNIT  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 79 ELM STREET  
 HARTFORD, CT 06106-5127

Or email request to: [dep.nddbrequest@ct.gov](mailto:dep.nddbrequest@ct.gov)

# Attachment C: Supplemental Information, Group 2 requirement

## Section i: Supplemental Site Information

### 1. Existing Conditions

Describe all natural and man-made features including wetlands, watercourses, fish and wildlife habitat, floodplains and any existing structures potentially affected by the subject activity. Such features should be depicted and labeled on the site plan that must be submitted. Photographs of current site conditions may be helpful to reviewers.

**No wetlands or watercourses will be disturbed by the proposed development. The proposed access will be located primarily within a farm road: Site 1's access would be through upland forest and old field habitat; Site 2's access would be just through upland forest. A Facility as Site 1 would be located  $\pm 180$  feet from the nearest wetland (representing the edge of level spreader #1 to wetland flag 2-05); the northeast compound corner is  $\pm 200$  feet from wetland flag 2-05). Proposed Facility at Site 2 would be located  $\pm 48$  feet from edge of grading to wetland flag 3-05 and  $\pm 50$  feet from a level spreader to wetland flag 4-04. The proposed Site 2 Facility compound would be located  $\pm 60$  feet from wetland flag 3-05 and  $\pm 148$  from wetland flag 4-03. Portions of the existing access proposed for upgrading are located in close proximity to wetland resources, passing within  $\pm 80$  feet of wetland flags 5-04 and 4-03. Access to Site 1 would also extend through an area that lies within  $\pm 85$  feet of wetland flag 3-06.**

**Site Photographs (optional) attached**

**Site Plan/sketch of existing conditions attached**

### 2. Biological Surveys

Has a biologist visited the site and conducted a biological survey to determine the presence of any endangered, threatened or special concern species  Yes  No

If yes, complete the following questions and submit any reports of biological surveys, documentation of the biologist's qualifications, and any NDDB survey forms.

Biologist(s) name:

Habitat and/or species targeted by survey:

Dates when surveys were conducted:

**Reports of biological surveys attached**

**Documentation of biologist's qualifications attached**

**[NDDB Survey forms](#) for any listed species observations attached**

## Section ii: Supplemental Project Information

1. Provide a schedule for all phases of the project including the year, the month and/or season that the proposed activity will be initiated and the duration of the activity.

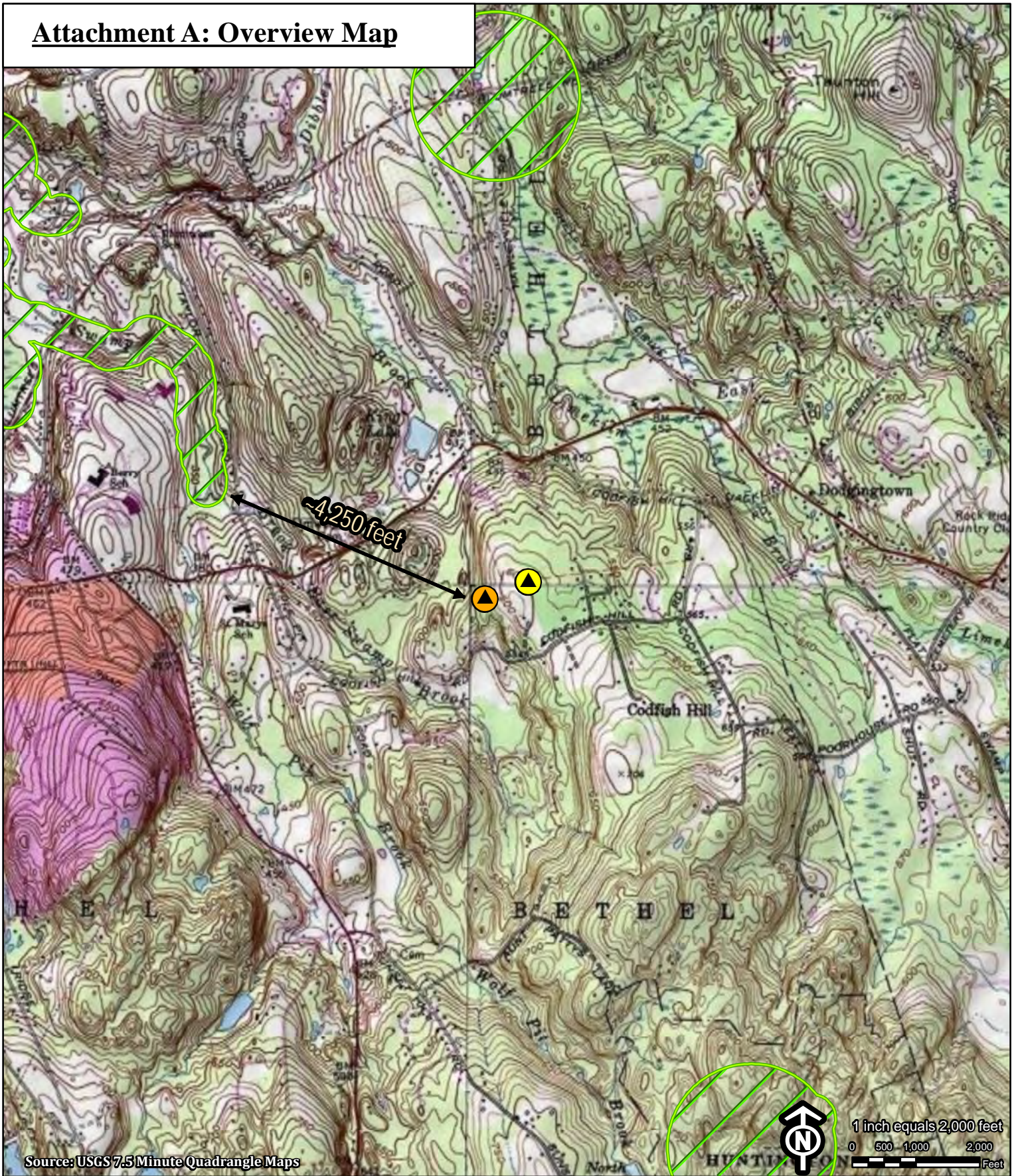
**The proposed construction project is anticipated to extend over a period of 2 to 3 months. Start of construction will be developed pending approval from the Connecticut Siting Council.**

2. Describe and quantify the proposed changes to existing conditions and describe any on-site or off-site impacts. In addition, provide an annotated site plan detailing the areas of impact and proposed changes to existing conditions.

**The existing farm road would be improved to a 12-foot wide gravel access drive, traveling through forest and old field habitats for Site 1 and just forest habitat for Site 2. Site 1 is located within a moderate uneven aged upland forest. Site 2 is located within a disturbed upland forest and exposed bedrock area.**

**Annotated Site Plan attached**

# Attachment A: Overview Map



Source: USGS 7.5 Minute Quadrangle Maps

## Legend

Proposed Tower Location

 SITE 1

 SITE 2

 Natural Diversity Database Area (updated 12/13)

## Proposed North Atlantic Towers Bethel Facility 62 & 64 Codfish Hill Road Bethel, Connecticut

Thursday, May 22, 2014








# Attachment B: Detailed Site Map



Source: 2012 CT DEEP High Resolution Orthoimagery (1-ft resolution)

### Legend

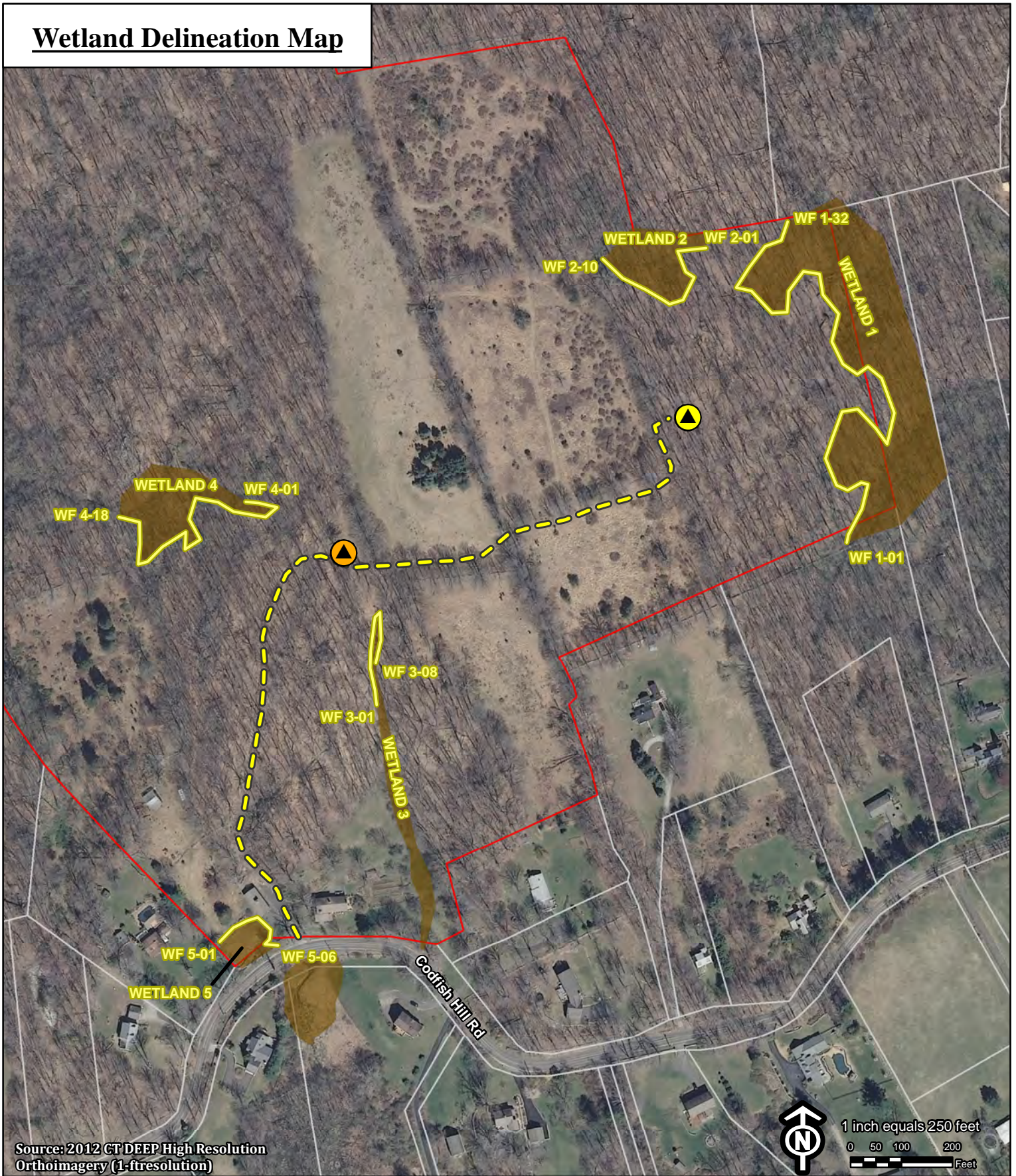
- Proposed Tower Location  SITE 1
- Proposed Access Route 
- Subject Parcel 
- CT DEEP Parcel (updated 8/10) 
- Natural Diversity Database Area (updated 12/13) 

## Proposed North Atlantic Towers Bethel Facility 62 & 64 Codfish Hill Road Bethel, Connecticut

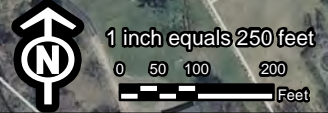
Thursday, May 22, 2014









# Wetland Delineation Map



Source: 2012 CT DEEP High Resolution Orthoimagery (1-ft resolution)



## Legend

-  SITE 1
-  Proposed Access Route
-  APT Delineated Wetland Boundary
-  SITE 2
-  Approximate Wetland Area
-  Subject Parcel

**Proposed North Atlantic Towers Bethel Facility**  
**62 & 64 Codfish Hill Road**  
**Bethel, Connecticut**

**Monday, April 07, 2014**



***Refer to Appendix A Site Figures for Site Plans***



Photo 1: View of existing access with Codfish Hill Road in background, residence to left and garage/barn to right, looking south.



Photo 2: View of farm road through forest (typical), looking northeast.





Photo 3: View of farm road through old field habitat (typical), looking east/northeast.



Photo 4: View of Wetland 1, looking east.



Photo 5: View of Wetland 2, looking northeast.



Photo 6: View of Wetland 3, looking south.



Photo 7: View of Wetland 4, looking northeast.



Photo 8: View of Wetland 5 (behind fence & car), looking west.



Photo 9: View of tower/compound Site 1, looking northeast.



Photo 8: View of tower/compound Site 2, looking southwest.

## ENVIRONMENTAL NOTES

### Eastern Box Turtle and Wood Turtle Protection Program

Eastern Box Turtle and Wood Turtle, both State Special Concern species afforded protection under the Connecticut Endangered Species Act, are known to occur on or within the vicinity of the site. The following protective measures, which satisfy requirements from the Connecticut Department of Energy & Environmental Protection ("CTDEEP") Wildlife Division and follow protocols developed from previous rare species consultations and state-approved protection plans. This protection plan is valid for one year from the date of CTDEEP's letter, at which point if construction has not been initiated, a new Natural Diversity Data Base review request from CTDEEP is required.

It is of the utmost importance that the Contractor complies with the requirement for the installation of protective measures and the education of its employees and subcontractors performing work on the project site if work will occur during the Eastern Box Turtle's and Wood Turtle's active period (April 1 to November 15). All-Points Technology Corporation, P.C. ("APT") will serve as the Environmental Monitor for this project to ensure that Eastern Box Turtle and Wood Turtle protection measures are implemented properly and will provide an education session on Eastern Box Turtle and Wood Turtle prior to the start of construction activities. The Contractor shall contact Dean Gustafson, Senior Environmental Scientist at APT, at least 5 business days prior to the pre-construction meeting. Mr. Gustafson can be reached by phone at (860) 984-9515 or via email at dgustafson@allpointstech.com.

The proposed Eastern Box Turtle and Wood Turtle species protection program consists of several components: isolation of the project perimeter; periodic inspection and maintenance of isolation structures; education of all contractors and sub-contractors prior to initiation of work on the site; protective measures; and, reporting.

#### 1. Isolation Measures & Erosion and Sedimentation Controls

- a. Plastic netting used in a variety of erosion control products (i.e., erosion control blankets, fiber rolls [wattles], reinforced silt fence) has been found to entangle wildlife, including reptiles, amphibians, birds and small mammals. No permanent erosion control products or reinforced silt fence will be used on the Verizon Wireless project. Temporary Erosion control products will use either erosion control blankets and fiber rolls composed of processed fibers mechanically bound together to form a continuous matrix (net less) or netting composed of planar woven natural biodegradable fiber to avoid/minimize wildlife entanglement.
- b. Installation of conventional silt fencing, which will also serve as an isolation of the work zone from surrounding areas and required for erosion control compliance, shall be performed by the Contractor prior to any earthwork. APT will inspect the work zone area prior to and following barrier installation to ensure the area is free of eastern box turtles and wood turtles prior to start of construction activities.
- c. The fencing will consist of non-reinforced conventional erosion control woven fabric, installed approximately six inches below surface grade and staked at seven to ten-foot intervals using four-foot oak stakes or approved equivalent. In addition to required daily inspection by the Contractor, the fencing will be inspected for tears or breeches in the fabric following installation and at either on a weekly or biweekly inspection frequency by APT. If inspections are performed on a biweekly basis, such inspections will also include inspections following storm events of 0.25 inch or greater. Inspections will be conducted by APT throughout the course of the construction project.

- d. The extent of the barrier fencing will be as shown on the site plans. The Contractor shall have additional barrier fencing should field conditions warrant extending the fencing as directed by APT.
- e. No equipment, vehicles or construction materials shall be stored outside of barrier fencing.
- f. All silt fencing shall be removed within 30 days of completion of work and permanent stabilization of site soils so that reptile and amphibian movement between uplands and wetlands is not restricted.

## **2. Contractor Education**

- a. Prior to work on site, the Contractor shall attend an educational session at the pre-construction meeting with APT. This orientation and educational session will consist of an introductory meeting with APT providing photos of eastern box turtles and wood turtles and emphasizing the non-aggressive nature of these turtles, the absence of need to destroy animals that might be encountered and the need to follow Protective Measures as described in Section 4 below. Workers will also be provided information regarding the identification of other turtle species that could be encountered.
- b. The education session will also focus on means to discriminate between the species of concern and other native species to avoid unnecessary "false alarms". Encounters with any species of turtles will be documented.
- c. The Contractor will be provided with cell phone and email contacts for APT personnel to immediately report any encounters with eastern box turtle, wood turtle or other turtle species. Educational poster materials will be provided by APT and displayed on the job site to maintain worker awareness as the project progresses.

## **3. Petroleum Materials Storage and Spill Prevention**

- a. Certain precautions are necessary to store petroleum materials, refuel and contain and properly clean up any inadvertent fuel or petroleum (i.e., oil, hydraulic fluid, etc.) spill due to the project's location in proximity to sensitive wetlands.
- b. A spill containment kit consisting of a sufficient supply of absorbent pads and absorbent material will be maintained by the Contractor at the construction site throughout the duration of the project. In addition, a waste drum will be kept on site to contain any used absorbent pads/material for proper and timely disposal off site in accordance with applicable local, state and federal laws.
- c. The following petroleum and hazardous materials storage and refueling restrictions and spill response procedures will be adhered to by the Contractor.
  - i. Petroleum and Hazardous Materials Storage and Refueling
    1. Refueling of vehicles or machinery shall occur a minimum of 100 feet from wetlands or watercourses and shall take place on an impervious pad with secondary containment designed to contain fuels.
    2. Any fuel or hazardous materials that must be kept on site shall be stored on an impervious surface utilizing secondary containment a minimum of 100 feet from wetlands or watercourses.

## ii. Initial Spill Response Procedures

1. Stop operations and shut off equipment.
2. Remove any sources of spark or flame.
3. Contain the source of the spill.
4. Determine the approximate volume of the spill.
5. Identify the location of natural flow paths to prevent the release of the spill to sensitive nearby waterways or wetlands.
6. Ensure that fellow workers are notified of the spill.

## iii. Spill Clean Up & Containment

1. Obtain spill response materials from the on-site spill response kit. Place absorbent materials directly on the release area.
2. Limit the spread of the spill by placing absorbent materials around the perimeter of the spill.
3. Isolate and eliminate the spill source.
4. Contact the appropriate local, state and/or federal agencies, as necessary.
5. Contact a disposal company to properly dispose of contaminated materials.

## iv. Reporting

1. Complete an incident report.
2. Submit a completed incident report to the Connecticut Siting Council.

## 4. Turtle Protective Measures

- a. Prior to the start of construction each day, the Contractor shall search the entire work area for turtles.
- b. If a turtle is found, it shall be immediately moved, unharmed, by carefully grasped in both hands, one on each side of the shell, between the turtle's forelimbs and the hind limbs, and placed just outside of the isolation barrier in the approximate direction it was walking.
- c. Special care shall be taken by the Contractor during early morning and evening hours so that possible basking or foraging turtles are not harmed by construction activities.

## 5. Herbicide and Pesticide Restrictions

- a. The use of herbicides and pesticides at the proposed wireless telecommunications facility and along the proposed access drive are strictly prohibited.

## 6. Reporting

- a. Biweekly inspection reports (brief narrative and applicable photos) will be submitted to the Connecticut Siting Council for compliance verification.
- b. Following completion of the construction project, APT will provide a summary report to CTDEEP documenting the monitoring and maintenance of the barrier fence and erosion control measures.
- c. Any observations of eastern box turtle or wood turtle will be reported to CTDEEP by APT, with photo-documentation (if possible) and with specific information on the location and disposition of the animal.





Connecticut Department of  
**ENERGY &  
ENVIRONMENTAL  
PROTECTION**

June 16, 2014

Mr. Dean Gustafson  
All-Points Technology Corporation, P.C.  
30 Bogg Lane  
Lebanon, CT 06249  
[dgustafson@allpointstech.com](mailto:dgustafson@allpointstech.com)

Project North Atlantic Towers Bethel Telecommunications Facility CT1155C Located at 62 and 64 Codfish Hill Road in Bethel, Connecticut  
NDDB Determination No.: 201405645

Dear Dean,

I have reviewed Natural Diversity Data Base maps and files regarding the area delineated on the map you provided for the proposed North Atlantic Towers Bethel Facility located at 62 and 64 Codfish Hill Road in Bethel, Connecticut. According to our information we have records for State Special Concern *Terrapene carolina carolina* (eastern box turtle) and *Glyptemys insculpta* (wood turtle) from the vicinity of this project. Thank you for including protection strategies and protocols that will be in place to protect these two turtle species from project impacts. These protection strategies will help avoid unintentional mortality as a result of construction activities. This determination is good for one year. Please re-submit an NDDB Request for Review if the scope of work changes or if work has not begun on this project by June 16, 2015.

Natural Diversity Data Base information includes all information regarding critical biological resources available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey and cooperating units of DEEP, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the Data Base should not be substitutes for on-site surveys required for environmental assessments. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated into the Data Base as it becomes available.

Please contact me if you have further questions at (860) 424-3592, or [dawn.mckay@ct.gov](mailto:dawn.mckay@ct.gov). Thank you for consulting the Natural Diversity Data Base. Also be advised that this is a preliminary review and not a final determination. A more detailed review may be conducted as part of any subsequent environmental permit applications submitted to DEEP for the proposed site.

Sincerely,

A handwritten signature in cursive script that reads "Dawn M. McKay".

Dawn M. McKay  
Environmental Analyst 3



April 4, 2014

To: Mr. Todd Levine  
State of Connecticut Department of  
Economic and Community Development  
State Historic Preservation Office  
One Constitution Plaza, Second Floor  
Hartford, CT 06103

Re: Proposed Wireless Telecommunications Facility  
62 & 64 Codfish Hill Road  
Bethel, Connecticut 06801  
#CT1155C

**Determination of Effects for the Proposed Telecommunications Facility to be Constructed at 62 & 64 Codfish Hill Road in Bethel, Connecticut:**

North Atlantic Towers is proposing to construct a telecommunications facility at 62 & 64 Codfish Hill Road in Bethel, Connecticut. The Subject Property consists of an approximately 49.85-acre parcel that is improved with a 2-story frame residence, this erected c.1768. A modern 2-story barn is located roughly 90 feet west of the residence, while several small modern sheds can be found northeast of the house. The proposed facility is to be located approximately 0.2 mile northeast of the aforementioned structures and consists of a 150-foot monopole and associated equipment contained within a roughly 75-foot by 75-foot fenced compound. An existing dirt farm road leading to the proposed site will provide access from Codfish Hill Road, this supplemented by additional stretches of gravel driveway. Site utilities would originate from an existing utility pole located along the northern side of Codfish Hill Road and extend via an underground trench between approximately 650 to 1,650 feet (depending on final location chosen, two site plans attached) to the compound. No other construction-related activities are anticipated.

File reviews of the National Register Database, Connecticut State Historic Register, and Connecticut State Historic Resource Inventory were conducted by Lucas Karmazinas, architectural historian with FuturePast Preservation, and Mr. William Keegan, Historical Geographer & GIS Specialist, with Heritage Consultants, LLC, to identify Historic Properties within the 0.5-mile Area for Potential Effect (APE) for Direct and Visual Effects. No properties previously listed or deemed eligible for the National Register of Historic Places (NRHP) were identified within the APE for Direct or Visual Effects. Several historic resources were identified within the APE, however these were not deemed eligible for the National Register of Historic Places due to their scattered locations and perceived lack of exceptional historical significance.

Based on this information, it is the opinion of the investigator that there are no Historic Properties<sup>1</sup> in the APE for Direct and Visual Effects at the time of this investigation.

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<sup>1</sup> The Nationwide Programmatic 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 NHO that meet the National Register criteria."

If you have any questions regarding this Technical Memorandum please do not hesitate to call us at 860-428-7982 or email us [FuturePastPreservation@gmail.com](mailto:FuturePastPreservation@gmail.com). We are at your service.

Sincerely,

A handwritten signature in black ink, appearing to read 'L. Karmazinas', with a long horizontal flourish extending to the right.

Lucas Karmazinas, M.A. Principal, Historic Resource Advisor

Notification Date:

**New Tower (“NT”) Submission Packet**

See instructions for

File Number:

public burden estimates

**General Information**

1) (Select only one) ( <b>NE</b> ) <b>NE</b> – New <b>UA</b> – Update of Application <b>WD</b> – Withdrawal of Application	
2) If this application is for an Update or Withdrawal, enter the file number of the pending application currently on file.	File Number:

**Applicant Information**

3) FCC Registration Number (FRN):
4) Name: <b>North Atlantic Towers, LLC 1001 3rd Avenue West, Suit 420 Bradenton, FL 34205</b>

**Contact Name**

5) First Name: <b>Michael</b>	6) MI:	7) Last Name: <b>Libertine</b>	8) Suffix:
9) Title: <b>All-Points Technology Corporation</b>			

**Contact Information**

10) P.O. Box:	<b>And /Or</b>	11) Street Address: <b>3 Saddlebrook Drive</b>
12) City: <b>Killingworth</b>	13) State: <b>CT</b>	14) Zip Code: <b>06419</b>
15) Telephone Number: <b>(860)633-1697</b>	16) Fax Number:	
17) E-mail Address: <b>mibertine@allpointstech.com</b>		

**Consultant Information**

18) FCC Registration Number (FRN): <b>0023293541</b>
19) Name: <b>FuturePast Preservation, DBA for All-Points Technology Corporation</b>

**Principal Investigator**

20) First Name: <b>Lucas</b>	21) MI:	22) Last Name: <b>Karmazinas</b>	23) Suffix:
24) Title: <b>Principal, Historic Resource Advisor</b>			

**Principal Investigator Contact Information**

25) P.O. Box:	<b>And /Or</b>	26) Street Address: <b>940 West Blvd</b>
27) City: <b>Hartford</b>	28) State: <b>CT</b>	29) Zip Code: <b>06105-4143</b>
30) Telephone Number: <b>(860)428-7982</b>	31) Fax Number:	
32) E-mail Address: <b>lucas.karmazinas@gmail.com</b>		

**Professional Qualification**

33) Does the Principal Investigator satisfy the Secretary of the Interior's Professional Qualification Standards?	( <input checked="" type="checkbox"/> ) <u>Y</u> es ( ) <u>N</u> o
34) Areas of Professional Qualification:	
( ) Archaeologist	
( <input checked="" type="checkbox"/> ) Architectural Historian	
( ) Historian	
( ) Architect	
( ) Other (Specify) _____	

**Additional Staff**

35) Are there other staff involved who meet the Professional Qualification Standards of the Secretary of the Interior?	( <input checked="" type="checkbox"/> ) <u>Y</u> es ( ) <u>N</u> o
------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------

If "YES," complete the following:

36) First Name: <b>Nicholas</b>	37) MI:	38) Last Name: <b>Griffis</b>	39) Suffix:
---------------------------------	---------	-------------------------------	-------------

40) Title: <b>Heritage Consultants</b>
----------------------------------------

41) Areas of Professional Qualification:
( <input checked="" type="checkbox"/> ) Archaeologist
( ) Architectural Historian
( ) Historian
( ) Architect
( ) Other (Specify) _____

36) First Name: <b>William</b>	37) MI:	38) Last Name: <b>Keegan</b>	39) Suffix:
--------------------------------	---------	------------------------------	-------------

40) Title: <b>Heritage Consultants</b>
----------------------------------------

41) Areas of Professional Qualification:
( ) Archaeologist
( ) Architectural Historian
( <input checked="" type="checkbox"/> ) Historian
( ) Architect
( ) Other (Specify) _____

## Site Information

### Tower Construction Notification System

1) TCNS Notification Number: **Site 1: 106275 Site 2: 106276**

### Site Information

2) Site Name: **62 & 64 Codfish Hill Road**

3) Site Address: **62 & 64 Codfish Hill Road**

4) City: **Bethel**

5) State: **CT**

6) Zip Code: **06801**

7) County/Borough/Parish: **FAIRFIELD**

8) Nearest Crossroads: **Ichabod Lane**

9) NAD 83 Latitude (DD-MM-SS.S): **Site 1: 41-22-30.4 Site 2: 41-22-27.4** (  ) N or (  ) S

10) NAD 83 Longitude (DD-MM-SS.S): **Site 1: 073-22-16.5 Site 2: 073-22-25.3** (  ) E or (  ) W

### Tower Information

11) Tower height above ground level (include top-mounted attachments such as lightning rods): **Site 1: 45.5 Site 2: 51.8** ( ) Feet (  ) Meters

12) Tower Type (Select One):

(  ) Guyed lattice tower

(  ) Self-supporting lattice

(  ) Monopole

(  ) Other (Describe):

### Project Status

13) Current Project Status (Select One):

(  ) Construction has not yet commenced

(  ) Construction has commenced, but is not completed

Construction commenced on: \_\_\_\_\_

(  ) Construction has been completed

Construction commenced on: \_\_\_\_\_

Construction completed on: \_\_\_\_\_

**Determination of Effect**

14) Direct Effects (Select One):

- No Historic Properties in Area of Potential Effects (APE)
- No Effect on Historic Properties in APE
- No Adverse Effect on Historic Properties in APE
- Adverse Effect on one or more Historic Properties in APE

15) Visual Effects (Select One):

- No Historic Properties in Area of Potential Effects (APE)
- No Effect on Historic Properties in APE
- No Adverse Effect on Historic Properties in APE
- Adverse Effect on one or more Historic Properties in APE

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	( <input checked="" type="checkbox"/> ) <u>Y</u> es (    ) <u>N</u> o
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>106276</u> Number of Tribes/NHOs: <u>7</u>	
2b) Tribes/NHOs contacted through an alternate system:                                              Number of Tribes/NHOs: <u>0</u>	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Delaware Nation</b>

#### Contact Name

5) First Name: <b>Tamara</b>	6) MI:	7) Last Name: <b>Francis-Fourkiller</b>	8) Suffix:
9) Title: <b>Cultural Preservation Director</b>			

#### Dates & Response

10) Date Contacted <u>02/20/2014</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Delaware Tribe of Indians of Oklahoma</b>

#### Contact Name

5) First Name: <b>Dr. Brice</b>	6) MI:	7) Last Name: <b>Obermeyer</b>	8) Suffix:
9) Title:			

#### Dates & Response

10) Date Contacted <u>02/19/2014</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	



### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	( <input checked="" type="checkbox"/> ) <u>Yes</u> ( <input type="checkbox"/> ) <u>No</u>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>106276</u> Number of Tribes/NHOs: <u>7</u>	
2b) Tribes/NHOs contacted through an alternate system:      Number of Tribes/NHOs: <u>0</u>	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Keweenaw Bay Indian Community</b>

#### Contact Name

5) First Name: <b>Juliet</b>	6) MI: <b>K</b>	7) Last Name: <b>Goyen</b>	8) Suffix:
9) Title: <b>THPO/NAGPRA Technician</b>			

#### Dates & Response

10) Date Contacted <u>02/19/2014</u>	11) Date Replied <u>02/19/2014</u>
<input type="checkbox"/> No Reply <input type="checkbox"/> Replied/No Interest <input type="checkbox"/> Replied/Have Interest <input checked="" type="checkbox"/> Replied/Other	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Lac Vieux Desert Band of Lake Superior Chippewa Indians</b>

#### Contact Name

5) First Name: <b>Giiwegiizhigookway</b>	6) MI:	7) Last Name: <b>Martin</b>	8) Suffix:
9) Title: <b>THPO and NAGPRA Representative</b>			

#### Dates & Response

10) Date Contacted <u>02/19/2014</u>	11) Date Replied <u>02/19/2014</u>
<input type="checkbox"/> No Reply <input type="checkbox"/> Replied/No Interest <input type="checkbox"/> Replied/Have Interest <input checked="" type="checkbox"/> Replied/Other	

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	( <input checked="" type="checkbox"/> ) <u>Yes</u> ( <input type="checkbox"/> ) <u>No</u>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>106276</u> Number of Tribes/NHOs: <u>7</u>	
2b) Tribes/NHOs contacted through an alternate system:      Number of Tribes/NHOs: <u>0</u>	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Mashantucket Pequot Tribe</b>

#### Contact Name

5) First Name: <b>Kathleen</b>	6) MI:	7) Last Name: <b>Knowles</b>	8) Suffix:
9) Title: <b>THPO</b>			

#### Dates & Response

10) Date Contacted <u>02/19/2014</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Mohegan Indian Tribe</b>

#### Contact Name

5) First Name: <b>Elaine</b>	6) MI:	7) Last Name: <b>Thomas</b>	8) Suffix:
9) Title: <b>Deputy THPO</b>			

#### Dates & Response

10) Date Contacted <u>02/20/2014</u>	11) Date Replied <u>03/13/2014</u>
( <input type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input checked="" type="checkbox"/> ) Replied/Other	

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	( <input checked="" type="checkbox"/> ) <u>Y</u> es ( <input type="checkbox"/> ) <u>N</u> o
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>106276</u>	Number of Tribes/NHOs: <u>7</u>
2b) Tribes/NHOs contacted through an alternate system:	Number of Tribes/NHOs: <u>0</u>

### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Narragansett Indian Tribe</b>

### Contact Name

5) First Name: <b>Sequahna</b>	6) MI:	7) Last Name: <b>Mars</b>	8) Suffix:
9) Title: <b>Program Manager-Cell Tower Division</b>			

### Dates & Response

10) Date Contacted <u>02/20/2014</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

## Other Tribes/NHOs Contacted

### Tribe/NHO Information

1) FCC Registration Number (FRN):
2) Name:

### Contact Name

3) First Name:	4) MI:	5) Last Name:	6) Suffix:
7) Title:			

### Contact Information

8) P.O. Box:	<b>And /Or</b>	9) Street Address:		
10) City:		11) State:	12) Zip Code:	
13) Telephone Number:		14) Fax Number:		
15) E-mail Address:				
16) Preferred means of communication:  <input type="checkbox"/> E-mail  <input type="checkbox"/> Letter  <input type="checkbox"/> Both				

### Dates & Response

17) Date Contacted _____	18) Date Replied _____
<input type="checkbox"/> No Reply  <input type="checkbox"/> Replied/No Interest  <input type="checkbox"/> Replied/Have Interest  <input type="checkbox"/> Replied/Other	

## Historic Properties

### Properties Identified

1) Have any historic properties been identified within the APEs for direct and visual effect?	( <input type="checkbox"/> ) <u>Y</u> es ( <input checked="" type="checkbox"/> ) <u>N</u> o
2) Has the identification process located archaeological materials that would be directly affected, or sites that are of cultural or religious significance to Tribes/NHOs?	( <input type="checkbox"/> ) <u>Y</u> es ( <input checked="" type="checkbox"/> ) <u>N</u> o
3) Are there more than 10 historic properties within the APEs for direct and visual effect? If "Yes", you are required to attach a Cultural Resources Report in lieu of adding the Historic Property below.	( <input type="checkbox"/> ) <u>Y</u> es ( <input checked="" type="checkbox"/> ) <u>N</u> o

### Historic Property

4) Property Name:
5) SHPO Site Number:

### Property Address

6) Street Address:		
7) City:	8) State:	9) Zip Code:
10) County/Borough/Parish:		

### Status & Eligibility

11) Is this property listed on the National Register?  Source: _____	( <input type="checkbox"/> ) <u>Y</u> es ( <input type="checkbox"/> ) <u>N</u> o
12) Is this property eligible for listing on the National Register?  Source: _____	( <input type="checkbox"/> ) <u>Y</u> es ( <input type="checkbox"/> ) <u>N</u> o
13) Is this property a National Historic Landmark?	( <input type="checkbox"/> ) <u>Y</u> es ( <input type="checkbox"/> ) <u>N</u> o

<p>14) Direct Effects (Select One):</p> <p>( <input type="checkbox"/> ) No Effect on this Historic Property in APE</p> <p>( <input type="checkbox"/> ) No Adverse Effect on this Historic Property in APE</p> <p>( <input type="checkbox"/> ) Adverse Effect on this Historic Property in APE</p>
<p>15) Visual Effects (Select One):</p> <p>( <input type="checkbox"/> ) No Effect on this Historic Property in APE</p> <p>( <input type="checkbox"/> ) No Adverse Effect on this Historic Property in APE</p> <p>( <input type="checkbox"/> ) Adverse Effect on this Historic Property in APE</p>

## Local Government Involvement

### Local Government Agency

1) FCC Registration Number (FRN):

2) Name: **Bethel Historical Society**

### Contact Name

3) First Name: **Patricia**

4) MI:

5) Last Name: **Rist**

6) Suffix:

7) Title: **President**

### Contact Information

8) P.O. Box: **PO Box 1776**

And  
/Or

9) Street Address:

10) City: **Bethel**

11) State: **CT**

12) Zip Code: **06801**

13) Telephone Number: **(203)743-5893**

14) Fax Number:

15) E-mail Address: **president@BethelHistoricalSociety.com**

16) Preferred means of communication:

(  ) E-mail

(  ) Letter

(  ) Both

### Dates & Response

17) Date Contacted **02/07/2014**

18) Date Replied \_\_\_\_\_

(  ) No Reply

(  ) Replied/No Interest

(  ) Replied/Have Interest

(  ) Replied/Other

### Additional Information

19) Information on local government's role or interest (optional):

## Local Government Involvement

### Local Government Agency

1) FCC Registration Number (FRN):
2) Name: <b>First Selectman's Office</b>

### Contact Name

3) First Name: <b>Matt</b>	4) MI:	5) Last Name: <b>Knickerbocker</b>	6) Suffix:
7) Title: <b>First Selectman</b>			

### Contact Information

8) P.O. Box:	And /Or	9) Street Address: <b>1 School Street</b>	
10) City: <b>Bethel</b>		11) State: <b>CT</b>	12) Zip Code: <b>06801</b>
13) Telephone Number: <b>(203)794-8501</b>		14) Fax Number:	
15) E-mail Address: <b>webmaster@bethelct.org</b>			
16) Preferred means of communication: <input type="checkbox"/> E-mail <input type="checkbox"/> Letter <input checked="" type="checkbox"/> Both			

### Dates & Response

17) Date Contacted <b>02/07/2014</b>	18) Date Replied _____
<input checked="" type="checkbox"/> No Reply <input type="checkbox"/> Replied/No Interest <input type="checkbox"/> Replied/Have Interest <input type="checkbox"/> Replied/Other	

### Additional Information

19) Information on local government's role or interest (optional):
--------------------------------------------------------------------

## Local Government Involvement

### Local Government Agency

1) FCC Registration Number (FRN):

2) Name: **Bethel Planning and Zoning Commission**

### Contact Name

3) First Name: **Steven**

4) MI:

5) Last Name: **Palmer**

6) Suffix:

7) Title: **Town Planner**

### Contact Information

8) P.O. Box:

And  
/Or

9) Street Address: **1 School Street**

10) City: **Bethel**

11) State: **CT**

12) Zip Code: **06801**

13) Telephone Number: **(203)794-8578**

14) Fax Number:

15) E-mail Address: **landuse@bethelct.org**

16) Preferred means of communication:

( ) E-mail

( ) Letter

(  ) Both

### Dates & Response

17) Date Contacted **02/07/2014**

18) Date Replied \_\_\_\_\_

(  ) No Reply

( ) Replied/No Interest

( ) Replied/Have Interest

( ) Replied/Other

### Additional Information

19) Information on local government's role or interest (optional):



## Other Consulting Parties

### Other Consulting Parties Contacted

1) Has any other agency been contacted and invited to become a consulting party?	(    ) <u>Y</u> es ( <b>X</b> ) <u>N</u> o
----------------------------------------------------------------------------------	--------------------------------------------

### Consulting Party

2) FCC Registration Number (FRN):
3) Name:

### Contact Name

4) First Name:	5) MI:	6) Last Name:	7) Suffix:
8) Title:			

### Contact Information

9) P.O. Box:	<b>And /Or</b>	10) Street Address:		
11) City:		12) State:	13) Zip Code:	
14) Telephone Number:		15) Fax Number:		
16) E-mail Address:				
17) Preferred means of communication:				
(    ) E-mail				
(    ) Letter				
(    ) Both				

### Dates & Response

18) Date Contacted _____	19) Date Replied _____
(    ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

### Additional Information

20) Information on other consulting parties' role or interest (optional):
---------------------------------------------------------------------------

## Designation of SHPO/THPO

1) Designate the Lead State Historic Preservation Officer (SHPO) or Tribal Historic Preservation Officer (THPO) based on the location of the tower.

### SHPO/THPO

Name: Connecticut Historical Commission (TCNS SHPO)

2) You may also designate up to three additional SHPOs/THPOs if the APEs include multiple states. If the APEs include other countries, enter the name of the National Historic Preservation Agency and any state and provincial Historic Preservation Agency.

SHPO/THPO Name: \_\_\_\_\_

SHPO/THPO Name: \_\_\_\_\_

SHPO/THPO Name: \_\_\_\_\_

### Certification

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

#### Party Authorized to Sign

First Name:

MI:

Last Name:

Suffix:

Signature: \_\_\_\_\_

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

**FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID.**

**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).**

## **NEW TOWER SUBMISSION PACKET – FCC FORM 620**

### **Attachment 1 – Consultant Information**

Current curriculum vitae or résumés are included within this attachment 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 this filing.

### **Attachment 2 – Site Information - Photographs**

Please see the attached Photographs 1-20, which were taken by Mr. David George, Staff Archaeologist with Heritage Consultants, LLC, as part of a Preliminary Archaeological Assessment prepared for All-Points Technology Corporation on January 21, 2014, unless otherwise noted. A photograph location map is included within this attachment (Figure 14)

### **Attachment 3 – Site Information – Map Requirements**

Please see the attached maps, which were prepared by Mr. William Keegan, Historical Geographer & GIS Specialist, with Heritage Consultants, LLC, for All-Points Technology Corporation, unless otherwise noted.

#### **The following maps are attached to this report:**

- Figure 1 – Topographic Map.
- Figure 2 – Historic Map, 1856.
- Figure 3 – Historic Map, 1867.
- Figure 4 – Historic Map, 1898.
- Figure 5 – Historic Aerial Image, 1934.
- Figure 6 – Historic Aerial Image, 1951.
- Figure 7 – Historic Aerial Image, 1965.
- Figure 8 – Aerial Image, 1970.
- Figure 9 – Aerial Image, 1990.
- Figure 10 – Aerial Image, 2004.
- Figure 11 – Aerial Image, 2012.
- Figure 12 – Archaeological Resources Map.
- Figure 13 – National Register of Historic Places Resources Map.
- Figure 14 – Photograph Directions Map
- Figure 15 – Historic Resources Map.

**Project Number:** CT1155C

**Project Location:** 62 Codfish Hill Road, Bethel, CT, 06801

## **NEW TOWER SUBMISSION PACKET – FCC FORM 620**

### **Attachment 4 – Site Information – Additional Site Information**

#### **Additional Site Information and Recommendations:**

The Subject Property, located at 62 & 64 Codfish Hill Road in Bethel, CT, is situated approximately 0.9 mile southeast of Codfish Hill Road's western intersection with Dodgingtown Road (CT Route 302) and 1.4 miles southeast of Dodgingtown Road's intersection with Putnam Park Road (CT Route 58). The site is 2.3 miles east of Bethel Center and 3.5 miles south of Interstate 84. The Subject Property is situated on the north side of Codfish Hill Road and the surrounding landscape is characterized by a number of steep hills and prominent ridgelines. The area surrounding the site is primarily rural, this characterized by woodland dotted with residential development dating from the mid-eighteenth through the late-twentieth centuries. The site itself was the location of an eighteenth century farm, however, this returned to forest during the second half of the twentieth century. A c.1768 farmhouse remains on the property, however, depending on the final site location (two options are attached) this will be located either 650 feet or 0.2 mile southwest of the project site and the two will be separated by thick stands of trees.

The Subject Property consists of an approximately 49.85-acre parcel that is improved with a 2-story frame residence. The building is located along the southern boundary of the Subject Property and according to local land records was constructed c. 1768. A modern 2-story barn is located roughly 90 feet west of the residence, while several small modern sheds can be found northeast of the house. A short bituminous driveway extends north from Codfish Hill Road to allow access to the house and barn. An existing dirt farm road is located north of the barn and driveway and extends north to the central and western portions of the Host Property, towards the area of the proposed compound approximately 0.2 mile to the northeast.

North Atlantic Towers proposes to construct a telecommunications facility consisting of a 150-foot monopole and associated equipment contained within a roughly 75-foot by 75-foot fenced compound. A partially-existing dirt farm road leading to the proposed site will provide access from Codfish Hill Road, this supplemented by additional gravel road construction. Site utilities would originate from an existing utility pole located along the northern side of Codfish Hill Road and extend via an underground trench between approximately 650 to 1,650 feet (depending on location) to the compound. No other construction-related activities are anticipated.

Site Plans/Lease Exhibits provided by North Atlantic Towers are included in this attachment.

**Project Number:** CT1155C

**Project Location:** 62 Codfish Hill Road, Bethel, CT, 06801

## NEW TOWER SUBMISSION PACKET – FCC FORM 620

### Attachment 5 – Determination of Effect Attachments

#### Areas of Potential Effect Guidelines:

##### Direct Effects

The APE for Direct Effects is limited to the area of potential ground disturbance and any property, or any portion thereof, that will be physically altered or destroyed by the construction of the proposed telecommunications facility. Mr. Lucas Karmazinas, Architectural Historian with FuturePast Preservation, confirmed via a field survey completed by a representative of Heritage Consultants, LLC on January 21, 2014 that the APE for direct effects is confined to the area of ground disturbance (the area owned or leased by the tower builder, including access easements). No historic structures were identified within the APE for direct effects.

##### Visual Effects

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 Nationwide Programmatic Agreement governing new tower construction indicates that, unless otherwise established through consultation with the SHPO/THPO, the presumed APE for visual effects relative to the construction of new facilities is a) 0.5-mile radius for towers 200 feet or less in overall height, b) 0.75-mile radius for towers greater than 200 but no more than 400 feet in overall height; or, c) 1.5-mile radius for towers greater than 400 feet in overall height.

The aforementioned field survey completed on January 21, 2014 confirmed that the 0.5-mile APE for visual effects for this project is appropriate. No adjustments are recommended to the APE as defined under the Nationwide Programmatic Agreement, and 0.5-mile radius was considered acceptable for establishing visual impacts of the planned undertaking based on an overall structure height of 150 feet above ground surface. No Historic Properties<sup>1</sup> previously listed or deemed eligible for the National Register of Historic Places were identified within the APE for visual effects.

#### Mitigation of Effect Guidelines:

No Historic Properties previously listed or deemed eligible for the National Register of Historic Places were identified within the APEs for direct or visual effects; therefore, alternatives that might avoid, minimize, or mitigate any adverse effects need not be considered. As such, as of the date of this report, there has been no correspondence with the SHPO/THPO regarding mitigation of effect.

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<sup>1</sup> The Nationwide Programmatic 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 NHO that meet the National Register criteria.”

**Project Number:** CT1155C

**Project Location:** 62 Codfish Hill Road, Bethel, CT, 06801

## **NEW TOWER SUBMISSION PACKET – FCC FORM 620**

### **Attachment 6 – Historic Properties Attachment**

File reviews of the National Register Database, Connecticut State Historic Register, and Connecticut State Historic Resource Inventory were conducted by Lucas Karmazinas, architectural historian with FuturePast Preservation, and Mr. William Keegan, Historical Geographer & GIS Specialist, with Heritage Consultants, LLC, to identify Historic Properties within the APEs for Visual and Direct Effects. Mr. Karmazinas also completed an evaluation of NRHP eligibility, according to the NRHP criteria of eligibility (36 C.F.R. Part 63), for any additional properties identified within the APE for direct or visual effects that may not have been identified during a review of the aforementioned files. The results of these reviews are discussed below, as necessary.

#### **Historic Properties Identified within the APE for Direct Effects:**

No historic structures were identified within the APE for direct effects.

#### **Historic Properties Identified within the APE for Visual Effects:**

No Historic Properties previously listed or deemed eligible for the National Register of Historic Places were identified within the APE for visual effects.

Several historic resources were identified within the APE for visual effects, however, these were not deemed eligible for listing on the National Register of Historic Places due to their scattered locations and perceived lack of exceptional historical significance.<sup>2</sup> They included residences at 57 Dodgingtown Road (c. 1846), 72 Dodgingtown Road (1933), 87 Dodgingtown Road (c. 1805), 91 Dodgingtown Road (c. 1900), 94 Dodgingtown Road (c. 1740), 26 Codfish Hill Road (c. 1750), 33 Codfish Hill Road (c. 1760), 54 Codfish Hill Road (c. 1850), 62 Codfish Hill Road (c. 1768), 65 Codfish Hill Road (c. 1796), 108 Codfish Hill Road (c. 1890), 135 Codfish Hill Road (c. 1850), 146 Codfish Hill Road (c. 1750), 156 Codfish Hill Road (c. 1910), and 2 Old Hawleyville Road (c. 1920).

As of the date of this report, All-Points Technology 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 the above list of Historic Properties.

No properties included in the APEs were considered no longer eligible for inclusion in the National Register by the Applicant.

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<sup>2</sup> All construction dates were gathered from local Assessor's records.

***Refer to Appendix A Site Figures for Site Plans***



## *INTEGRATED HISTORIC PRESERVATION PLANNING*

January 21, 2014

Philip Rydel  
All-Points Technology Corporation  
3 Saddlebrook Drive  
Killingworth, CT 06419

**RE: Preliminary Archeological Assessment of a Proposed Cellular Communications Tower  
Located at 62+64 Codfish Hill Road in Bethel, Connecticut**

Mr. Rydel:

Heritage Consultants, LLC, is pleased to have this opportunity to provide All-Points Technology Corporation with the following preliminary archeological assessment of a proposed telecommunications facility at 62+64 Codfish Hill Road in Bethel Connecticut (Figure 1). The current project entailed completion of an existing conditions cultural resources summary based on the examination of GIS data obtained from the Connecticut State Historic Preservation Office, as well as historic maps, aerial photographs, and topographic quadrangles maintained by Heritage Consultants, LLC. This investigation did not consider the effects of the proposed construction upon built resources, and it is based upon project location information provided to Heritage Consultants, LLC by All-Points Technology Corporation. The objectives of this study were to gather and present data regarding previously identified cultural resources situated within 0.8 km (0.5 mi) of the proposed tower location and to investigate the proposed project parcel in terms of its natural and historical characteristics so that the need for completing additional cultural resources investigations could be evaluated.

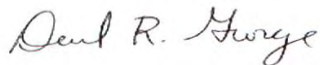
Figures 2 through 4 shows that, although there were some roads in the project region by the mid to late nineteenth century, the area surrounding the proposed tower location remained largely rural in character, and the proposed tower location consisted of an outlying parcel of land. This economy of this portion of Connecticut at that time was focused on agriculture and lumber products. The interpretation is confirmed by Figure 5, an aerial image dating from 1934, which shows the region consisted of a combination of agricultural fields and forested areas, as well as only a few dispersed structures to the south and northwest. At that time, the proposed tower location is situated at the edge of a large agricultural field in the vicinity of a tree line to the east. Figures 6 through 9, aerial images taken in 1951, 1965, 1970, and 1990, respectively, also confirm the rural nature of the Area of Potential Effect throughout most of the twentieth century; however, by 1970 the field to the east of the proposed tower location had been allowed to grow over and it remained that way for several decades thereafter. Figure 10, an aerial image taken in 2004, depicts essentially the same environmental conditions as those that existed at the end of the twentieth century; that is, agricultural fields are located to the west and forested areas to the east. Finally, Figure 11 shows the proposed tower location its modern state. It is located within a treeline along the eastern edge of a large field, with an access road consisting of a two-track farm road extending to the area.



A review of previously recorded cultural resources on file with the Connecticut State Historic Preservation Office revealed that no archaeological sites and/or National Register of Historic Places properties have been identified within 0.8 km (0.5 mi) of the Area of Potential Effect (Figures 12 and 13). Pedestrian survey of the proposed tower location and associated access road was undertaken by a representative of Heritage Consultants, LLC on January 20, 2014 (Photos 1 through 20). As seen in Photos 1 through 8, the proposed tower location is located in a lightly wooded area to the east of an agricultural field. Examination of this area indicated that it contained largely undisturbed land. In addition, pedestrian survey also revealed that the eastern half of the proposed access road consisted of a lightly disturbed two-track farm road (Photos 9 through 12). This area also may retain depositional integrity. In contrast, pedestrian survey of the western half of the proposed access road, as seen in Photos 13 through 20, revealed an eroded road that contained deep ruts, boulders, and numerous bedrock exposures. In addition, the western terminus of the road extends across concrete and paved surfaces. As a result of these disturbances and obstruction, it was determined that the western portion of the proposed access road has been impacted and no longer possesses the likelihood to contain intact cultural deposits.

Based on the environmental conditions and the results of the pedestrian survey, it is the professional opinion of Heritage Consultants, LLC that a Phase IB Cultural Resources Reconnaissance Survey of the proposed telecommunications tower location and the eastern portion of the proposed access road should be undertaken. No additional testing of the western half of the proposed access road is warranted. If you have any questions regarding this Technical Memorandum, or if we may be of additional assistance with this or any other projects you may have, please do not hesitate to call us at 860-667-3001 or email us [info@heritage-consultants.com](mailto:info@heritage-consultants.com). We are at your service.

Sincerely,



David R. George, M.A.  
Heritage Consultants

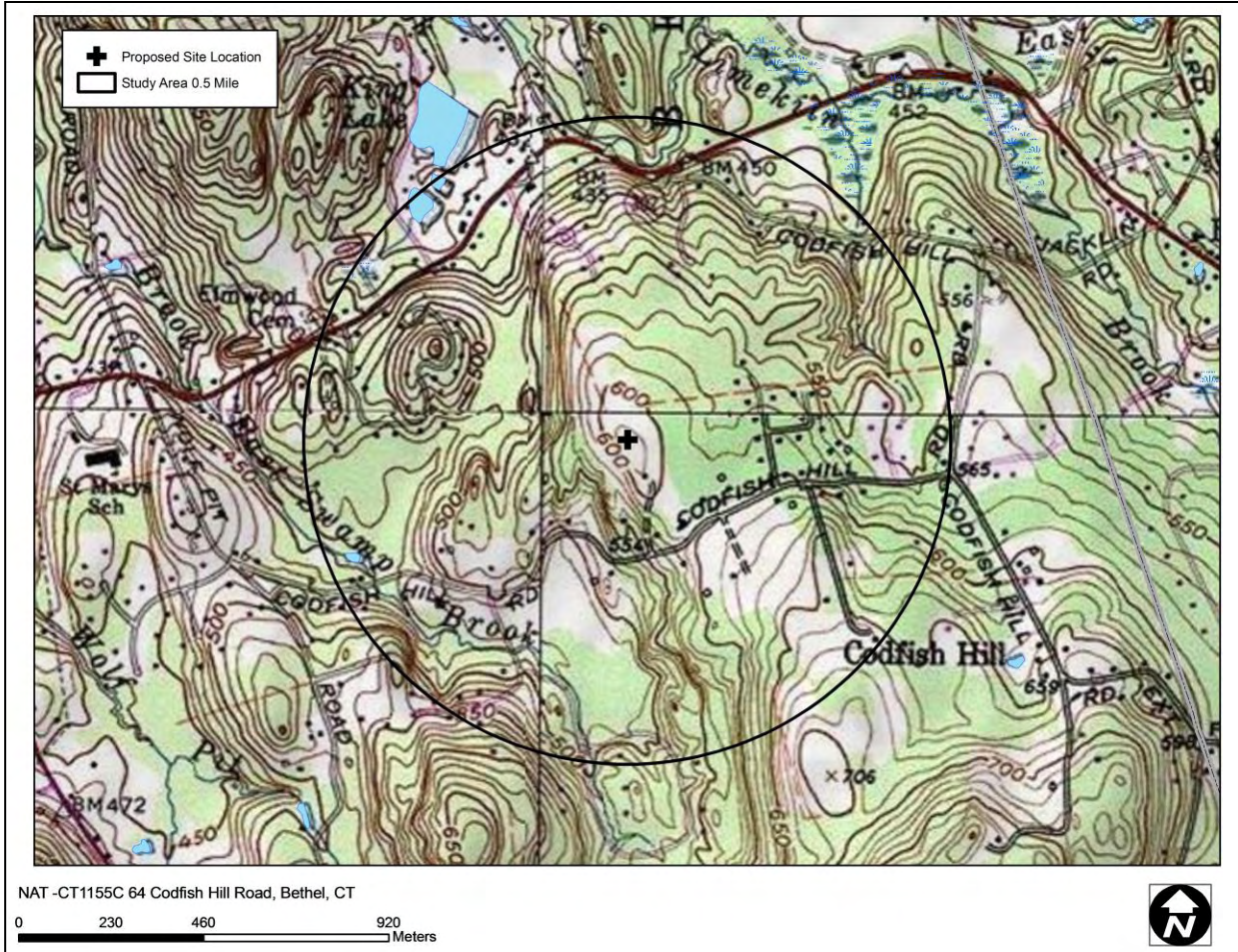


Figure 1. Excerpt from recent USGS topographic quadrangle map, depicting the proposed tower location in Bethel, Connecticut.

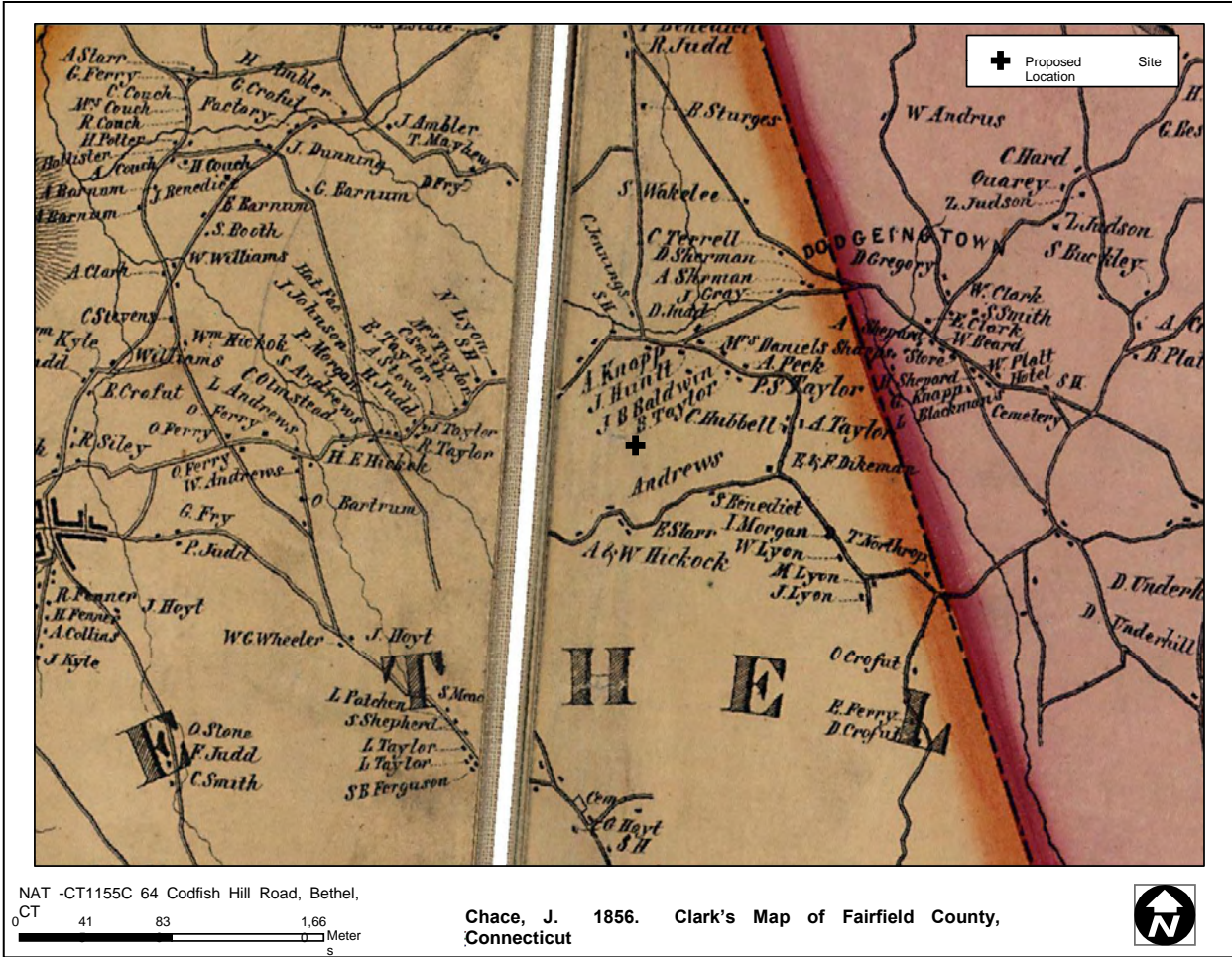


Figure 2. Excerpt from a 1856 historic map depicting the proposed tower location in Bethel, Connecticut.

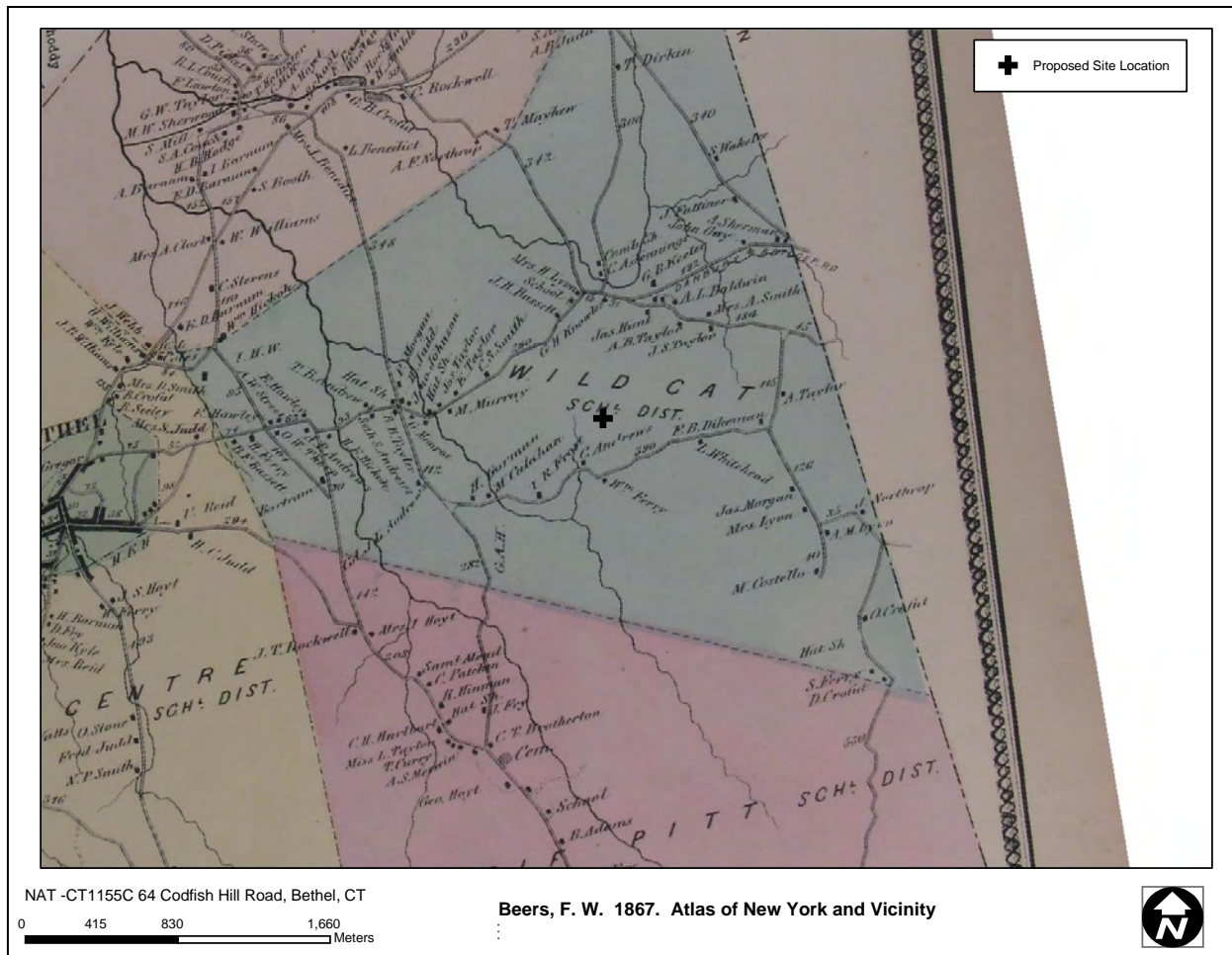


Figure 3. Excerpt from an 1867 historic map depicting the proposed tower location in Bethel, Connecticut.

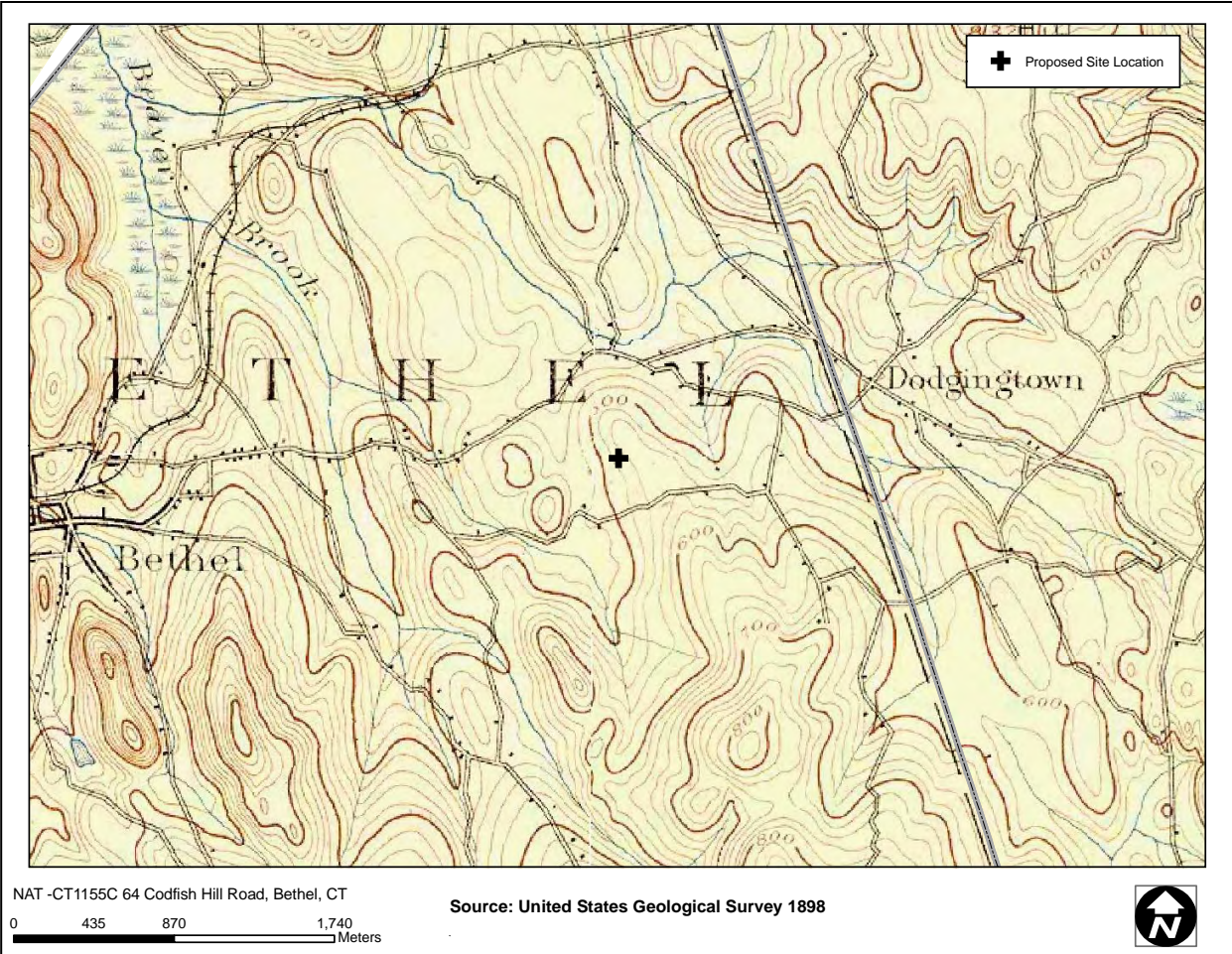


Figure 4. Excerpt from an 1898 historic map depicting the proposed tower location in Bethel, Connecticut.



Figure 5. Excerpt from a 1934 aerial image depicting the proposed tower location in Bethel, Connecticut.



Figure 6. Excerpt from a 1951 aerial image depicting the proposed tower location in Bethel, Connecticut.



Figure 7. Excerpt from a 1965 aerial image depicting the proposed tower location in Bethel, Connecticut.





Figure 8. Excerpt from a 1970 aerial image depicting the proposed tower location in Bethel, Connecticut.



Figure 9. Excerpt from a 1990 aerial image, depicting the proposed tower location in Bethel, Connecticut.



Figure 10. Excerpt from a 2004 aerial image, depicting the proposed tower location in Bethel, Connecticut.



Figure 11. Excerpt from a 2012 aerial image, depicting the proposed tower location in Bethel, Connecticut.

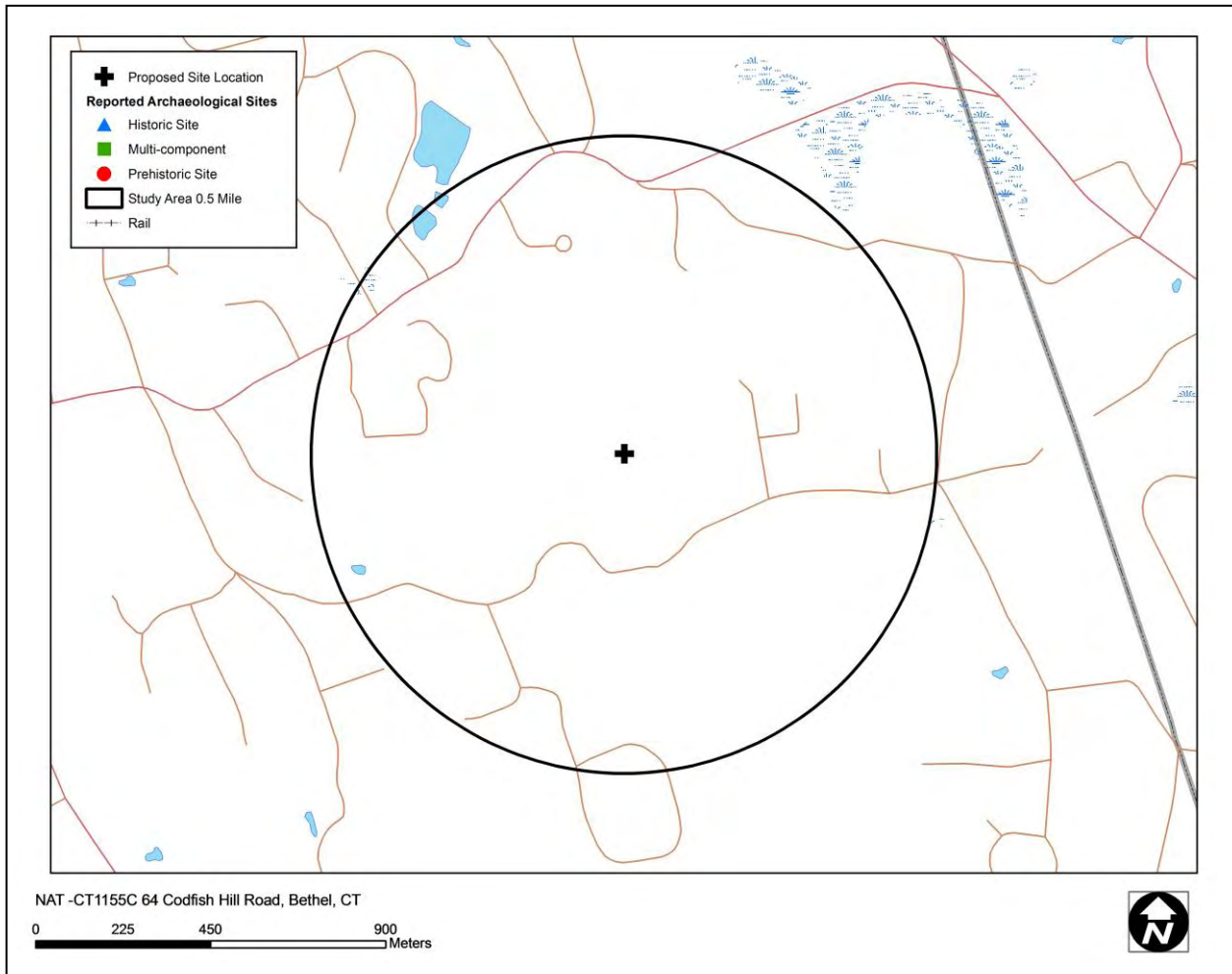


Figure 12. Digital map depicting the locations of previously recorded archaeological sites in the vicinity of the proposed tower location in Bethel, Connecticut.

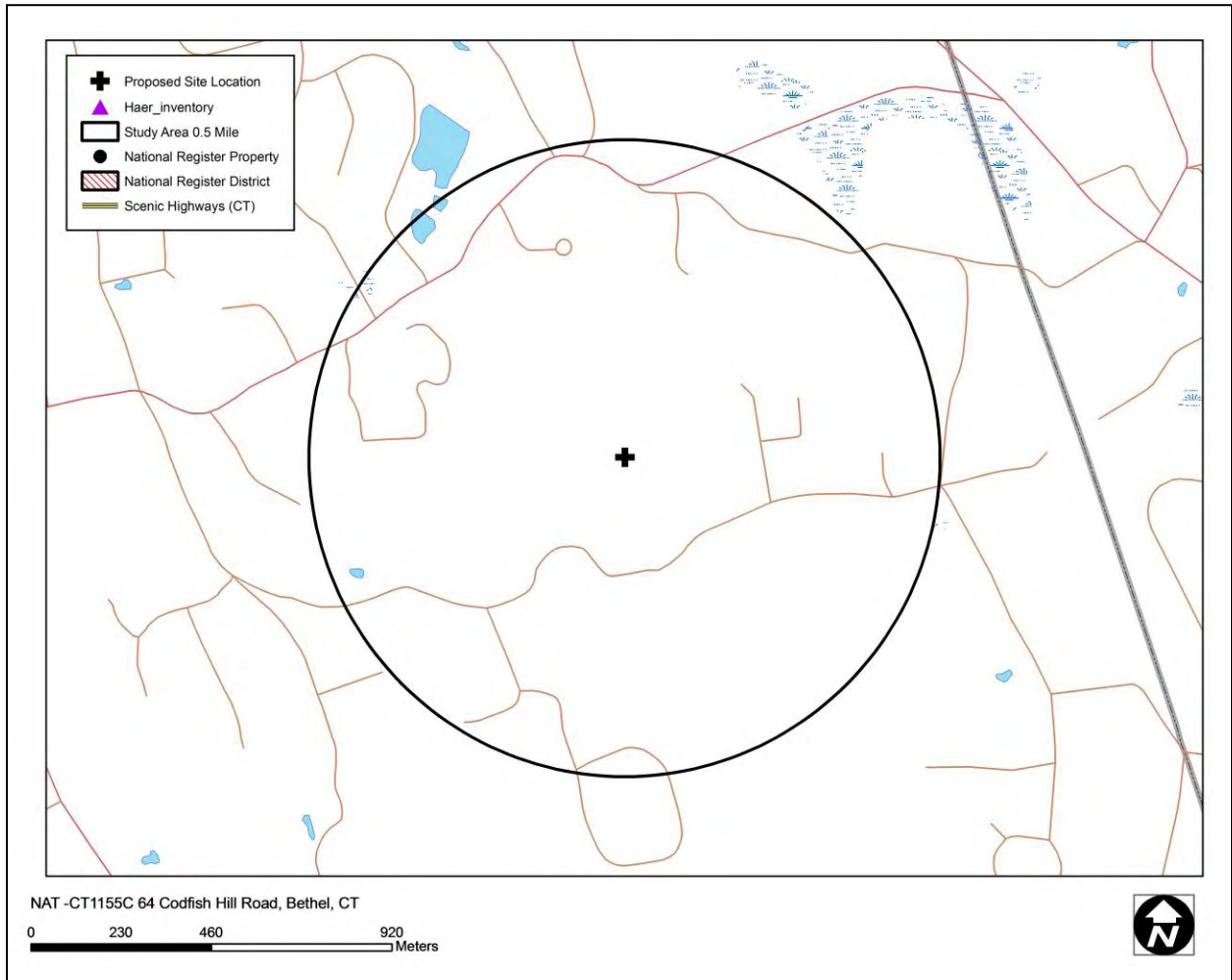


Figure 13. Digital map depicting the locations of previously recorded National Register of Historic Places properties in the vicinity of the proposed tower location in Bethel, Connecticut.

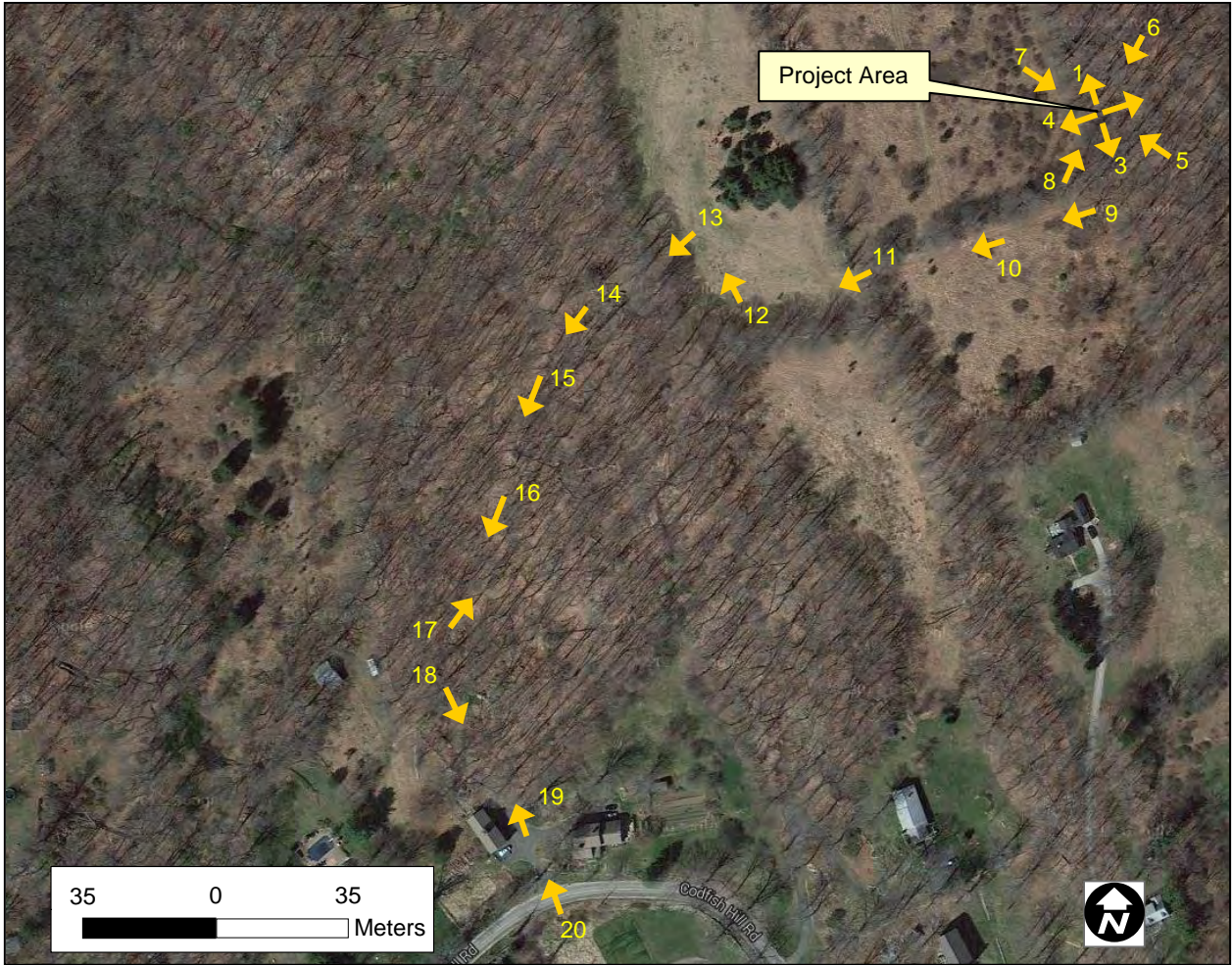


Figure 14. Aerial view of the location of the proposed telecommunications tower in Bethel, Connecticut depicting the location and direction of each the following photographs.



	Proposed Site Location
	Haer_inventory
	Study Area 0.5 Mile
	Scenic Highways (CT)
	National Register Property
	National Register District

NAT - 62 & 64 Codfish Hill Road, Bethel, CT



Figure 15. Digital map depicting previously recorded historic resources in the vicinity of the proposed tower location in Bethel, Connecticut.







Photo 1. Overview photo from the proposed tower location facing north.



Photo 2. Overview photo from the proposed tower location facing east.



Photo 3. Overview photo from the proposed tower location facing south.



Photo 4. Overview photo from the proposed tower location facing west.



Photo 5. Overview photo of the proposed tower location facing northwest.



Photo 6. Overview photo of the proposed tower location facing southwest.



Photo 7. Overview photo of the proposed tower location facing southeast.



Photo 8. Overview photo of the proposed tower location facing northeast.



Photo 9. Overview photo of the eastern end of the proposed access road facing west.



Photo 10. Overview photo of the eastern portion of the proposed access road facing west.



Photo 11. Overview photo of the east-central portion of the proposed access road facing west.



Photo 12. Overview photo of the central portion of the proposed access road facing north.



Photo 13. Overview photo of the central portion of the proposed access road facing southwest (the road consists of a two track farm road in this area with rocks and bedrock evident throughout).



Photo 14. Overview photo of the central portion of the proposed access road facing southwest (the road consists of a two track farm road in this area with rocks and bedrock evident throughout).



Photo 15. Overview photo of the west-central portion of the proposed access road facing southwest (the road consists of a two track farm road in this area with rocks and bedrock evident throughout).



Photo 16. Overview photo of the western portion of the proposed access road facing southwest (the road consists of a two track farm road in this area with rocks and bedrock evident throughout).





Photo 17. Overview photo of the western portion of the proposed access road facing northeast (the road consists of a two track farm road in this area with erosion and modern trash throughout).



Photo 18. Overview photo of the western portion of the proposed access road facing northeast (note erosion and modern trash throughout the area).



Photo 19. Overview photo of the western portion of the proposed access road facing north (note pavement and concrete in this area).



Photo 20. Overview photo of the western portion of the proposed access road facing north from Codfish Hill Road.