

CONNECTICUT SITING COUNCIL

PETITION OF NEW CINGULAR)
WIRELESS PCS, LLC ("AT&T") TO THE)
CONNECTICUT SITING COUNCIL FOR) PETITION NO. ____
A DECLARATORY RULING THAT NO)
CERTIFICATE OF ENVIRONMENTAL) APRIL 9, 2015
COMPATIBILITY AND PUBLIC NEED IS)
REQUIRED FOR A PROPOSED)
TEMPORARY TOWER TO BE)
LOCATED OFF OF ANCIENT HIGHWAY)
IN THE TOWN OF EAST LYME,)
CONNECTICUT)

PETITION FOR DECLARATORY RULING
PROPOSED TEMPORARY TOWER ON ANCIENT HIGHWAY, EAST LYME

I. Introduction

New Cingular Wireless PCS, LLC ("AT&T"), the "Petitioner", hereby petitions the Connecticut Siting Council ("Council") pursuant to Sections 16-50j-38 and 16-50j-39 of the Regulations of Connecticut State Agencies ("R.C.S.A.") for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need ("Certificate") is required to install a temporary tower off of Ancient Highway in the Town of East Lyme, Connecticut (the "Site"). AT&T is licensed by the Federal Communications Commission ("FCC") to provide wireless services in this area of the State of Connecticut. The temporary tower is needed by AT&T to partially replace wireless service that will be disrupted when an existing 150' tall tower located off of Scott Road is decommissioned at the requirement of the underlying property owner. The underlying owner of the property on which the existing tower is located is not willing to renew AT&T's lease agreement which expires at the end of 2015. In order to

minimize disruption to AT&T's customers, the company has proposed a temporary tower which will provide reduced service until a permanent and relocated tower site can be permitted, constructed and put into operation in AT&T's network. AT&T has identified two potential permanent tower site locations and anticipates filing a technical report and application to the Siting Council for a Certificate in 2015. In the interim, this Petition is being filed for deployment of a temporary tower on one of the properties proposed for development of a permanent tower site in order to minimize disruption to AT&T's services and allow for an orderly removal of the existing tower facility on Scott Road in East Lyme.

II. Scott Road Tower Facility (Docket 67)

AT&T, and its affiliates, have owned and operated a wireless tower facility at 2 Scott Road in East Lyme (the "Scott Road Facility") for approximately twenty seven years. The Scott Road Facility was originally approved by the Siting Council in 1986 and issued a Certificate as part of Docket 67 ("Docket 67"). The facility consists of a 150' tall monopole tower within a fenced compound along with equipment shelters and cabinets. The Scott Road Facility was one of SNET's initial cellular network deployments in this area of Connecticut.

At the time the facility was approved by the Siting Council, the tower site was located in a remote portion of 232 acre parcel of land adjacent to an apple orchard. See Docket 67 FOF 17 (a copy of the Docket 67 FOF, Opinion and D&O are annexed hereto as Exhibit A). The tower was originally developed by SNET with whip antennas to an overall height of approximately 167' AGL. Since that time the facility has been modified by AT&T (EM-CING-045-130103) and T-Mobile (TS-T-MOBILE-045-06092) and currently supports UMTS and 4G LTE services in both carriers' networks.

About ten years ago, the underlying property was approved for a sizeable single family residential development now known as "The Orchards". Several

homes have been constructed and development of the community is ongoing by a company known as The Orchards at East Lyme, Inc. ("Orchard Woods"). AT&T's Scott Road Facility is currently located on a smaller parcel of land that is in proximity to the development's clubhouse and on-site recreational facilities. Orchard Woods has elected not to extend AT&T's lease agreement for the Site and, as a result, the Scott Road Facility must be removed. AT&T anticipates commencing work to remove the Scott Road Facility in June of 2015.

III. Proposed AT&T Temporary Tower

A temporary tower is being proposed by AT&T to partially replace service that will be disrupted when the existing Scott Road Facility is decommissioned. The proposed temporary tower will provide limited service for AT&T and T-Mobile until a permanent and relocated tower site can be approved, constructed and integrated into the carriers' wireless networks. AT&T anticipates filing a technical report with the Town of East Lyme for a permanent relocated tower site in calendar year 2015. Nevertheless, due to the time required for permitting, construction and operation of a permanent replacement tower for the Scott Road Facility, a temporary tower is being proposed to partially replace service customarily provided from the existing tower.

There are limited options in this area of East Lyme for either a permanent or temporary tower facility location. Relative terrain, the current location and service area of the Scott Road Facility and inability to further utilize the Orchards development as a tower site all serve to complicate potential solutions to replace coverage associated with the tower issued a Certificate in Docket 67. AT&T's due diligence has revealed two potential properties for a permanent tower site relocation of the Scott Road Facility. One such location is on property owned by John Drabik which is the subject of an agreement with Ancient Highway Towers, LLC ("AHT Site"). AT&T has entered into a license agreement with AHT to allow AT&T to install the temporary tower and

otherwise coordinate an application for a permanent tower site relocation to the AHT Site.

The AHT Site consists of two parcels of land with no known postal address and identified on the Town of East Lyme's Tax Map 30 as Lots 1 and 2. The two lots total 12.86 acres and each is a wooded undeveloped parcel of land. AT&T's proposed temporary tower facility would be located on Lot 1 in close proximity to the lot line with Lot 2. A 30' x 51' fenced gravel compound would be installed with a gravel access drive extending from Ancient Highway. Utility connections would be run underground from CL&P utility pole #7479 at Ancient Highway (collectively the "Temporary Tower Site").

The temporary tower itself would be an 85' tall ballast mounted structure. Three (3) AT&T antennas would be located at a centerline height of 82' AGL. Additionally, T-Mobile would locate three (3) antennas on the temporary tower at a centerline height of approximately 72' AGL. An AT&T unmanned 12' by 20' equipment shelter and T-Mobile equipment cabinets would be installed on concrete pads at grade ("Temporary Tower Facility").

Detailed drawings prepared by Centek Engineering, last revised March 23, 2015, which include an abutters map, site development plan, elevations, site details, site utility plans and other aspects of proposed Temporary Tower Facility are included in Exhibit B. Notes regarding future decommissioning and restoration of the Temporary Tower Site can be found on Sheet C-4.0 of the drawings. A Structural Analysis dated March 13, 2015, also prepared by Centek Engineering is included in Exhibit C.

IV. The Temporary Tower Facility Will Not Have a Substantial Adverse Environmental Effect

The proposed Temporary Tower Facility will not cause substantial adverse environmental effects as more fully set forth herein.

A. Visibility

The proposed Temporary Tower Facility will have only temporary visual effects, none of which are substantial or adverse impacts given the relatively low tower height of 85' AGL. A visibility assessment prepared by All-Points Technology and dated March 28, 2015 included in Exhibit D identifies the area as wooded and concludes that views of even the uppermost portion of the temporary tower would be limited to locations within the immediate area of the AHT Site and principally south of the Temporary Tower Site location. Given that visibility of the Temporary Tower Facility will be both low and reversible, AT&T submits that it is neither significant nor adverse for purposes of the Council's regulatory considerations in ruling on this Petition.

B. Physical Impacts

Development of the Temporary Tower Site will involve some irreversible impacts on the land which is the subject of this Petition. Construction of the Temporary Tower Facility and related improvements will involve the removal of 39 trees and an overall area of disturbance of 15,350 square feet of land. Several site design features and planning for future development of the AHT Site have been incorporated to minimize physical impacts associated with the Temporary Tower Facility to the extent practicable.

First, the gravel access driveway to the Temporary Tower Facility has been designed in such a way that it can be incorporated into the potential site access for a permanent tower relocation (which would be located further into the AHT Site on Lot 2) and also provide shared access for any future development on Lot 1 by the property owner. Second, level spreaders and grass swales are incorporated into the Temporary Tower Site design to manage stormwater and implement soil erosion control measures for the duration of the temporary facility's use and the driveway providing access to the parcels. Third, a site restoration plan has been included in the project details for removal of the temporary tower, gravel compound and related equipment which includes re-grading, topsoil and a conservation/wildlife seed mix for the cleared areas. Finally, a 20' by 80' pull over area for emergency vehicles has been incorporated into the Ancient Highway right-of-way for long term use and irrespective of any future and permanent tower relocation to the AHT Site.

Irreversible physical impacts attributable solely to the Temporary Tower Facility are those generally associated with tree removal in the area of the compound (less than the 39 total), consistent with other potential development of the parcels and have been minimized to the extent practicable as part of the Temporary Tower Site design and restoration plan.

C. Compliance with MPE Limits

The operation of AT&T & T-Mobile's antennas on the temporary tower will be well within standards adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes and the MPE limits established by the FCC. A power density report is included in Exhibit E.

V. Public Need for Temporary Tower Facility

AT&T's existing Scott Road Facility is at a relatively high ground elevation and at 150' AGL serves a large area of East Lyme. AT&T's radio frequency engineers have calculated that the existing tower site serves a population of over 2,000 people, 6 square miles and 20 miles of main and secondary roads with -82 dbm coverage in its baseline 850 MHz UMTS (3G) network. The Temporary Tower Facility is intended to partially replace service that would otherwise be disrupted from decommissioning the Scott Road Facility later this year. Due to the lower tower height, the Temporary Tower Facility will not fully replace service in this part of the State and a permanent tower will be required at a higher height. Indeed, neither the proposed temporary tower nor a permanent tower at the AHT Site will completely replace the loss in coverage (UMTS or LTE) associated with decommissioning the Scott Road Facility. More detailed statistics and coverage plots as prepared by C Squared on AT&T's behalf and comparing the Temporary Tower Facility with the Scott Road Facility are included in Exhibit F.

VI. Notice

Pursuant to Section 16-50j-40(a) of the Council's regulations, notice of AT&T's intent to file this petition was sent to each person appearing of record as an owner of property that abuts the site, as well as the appropriate municipal officials and government agencies as listed in Section 16-50e of the General Statutes. Certification of such notice, a copy of the notice and the list of property owners and municipal officials and government agencies to whom the notice was sent are included in Exhibit G.

**VII. Council Regulation of Temporary Towers and
Declaratory Ruling Sought by AT&T**

The Public Utility Environmental Standards Act ("PUESA") provides the Siting Council with jurisdiction over telecommunications towers and several other types of utility infrastructure which are defined as "facilities". See C.G.S. § 16-50i(a). However, not every "facility" requires a Certificate of Environmental Compatibility and Public Need. Indeed, state law specifically provides that only a facility which "may have a substantial adverse environmental effect" requires a Certificate. C.G.S. § 16-50k.

The Siting Council's regulations contain several exemptions for certain types of tower facilities including temporary towers. For example, Section 16-50j-72(a)(2) of the Council's regulations includes an exemption for installation of a tower next to an existing tower that is damaged or inoperable and required in order to maintain continuity of services. Section 16-50j-72(d) of the Council's regulations also incorporate an exemption for temporary towers provided that the temporary use is "necessary to provide emergency or essential telecommunications services toevents of statewide significance". Historically, wireless carriers have filed and received acknowledgment of notices for cell on wheels, temporary distribution pole sets and other types of temporary facilities needed during construction of new wireless facilities or for special events. See e.g. EM-CING-052-131023, EM-CING-038-120816.

In cases where a tower facility is not otherwise exempt under Council regulations, the Council has discretion to determine that a proposed facility will not have a substantial adverse environmental effect and that no Certificate is required. See Section 4-176 of the Uniform Administrative Procedure Act and Sections 16-50j-38 and 39 of the Council's own regulations specifically provide the Siting Council with the regulatory authority to render case-by-case declaratory rulings in a petition process. As relevant to this Petition, the

Council has previously issued declaratory rulings that no Certificate was required for: an 85' temporary tower needed to avoid service disruption during maintenance of a water tank site (Petition 1062); and a 55' permanent tower site with minimal environmental impacts (Petition 626T). AT&T has filed this Petition with the Council to address the need for a temporary tower to be deployed in a new site location to avoid service disruptions related to decommissioning of an existing tower issued a Certificate in Docket 67. AT&T specifically seeks a ruling that the environmental effects associated with the construction of the Temporary Tower Site are not substantial, largely reversible and temporary in duration and allowing the Temporary Tower Facility as proposed to operate until a permanent replacement tower site is permitted, constructed and operational.

VIII. Conclusion

The proposed AT&T Temporary Tower Facility does not present substantial adverse environmental effects for purposes of Section 16-50p of the General Statutes. AT&T respectfully petitions the Connecticut Siting Council for a determination that development of the Temporary Tower Site and operation of the Temporary Tower Facility do not require a Certificate of Environmental Compatibility and Public Need and that the Council issue an order approving same. AT&T's seeks such a ruling and that it be effective during the time until a permanent replacement tower for the Scott Road Facility is issued a Certificate, constructed and operational.

Respectfully Submitted,



Christopher B. Fisher

On behalf of the Petitioner

Cuddy & Feder LLP

445 Hamilton Avenue, 14th Floor

White Plains, NY 10601

cc: Mark C. Nickerson, Town of East Lyme
Michelle Briggs, AT&T
Kelly Wade Bettuchi, AT&T
David Vivian, SAI

CERTIFICATE OF SERVICE

I hereby certify that on this day, fifteen copies of the foregoing were sent by overnight mail to the Connecticut Siting Council:

Dated: April 9, 2015



Christopher B. Fisher

EXHIBIT A

AN APPLICATION OF THE SOUTHERN : CONNECTICUT SITING
NEW ENGLAND TELEPHONE COMPANY FOR
A CERTIFICATE OF ENVIRONMENTAL
COMPATIBILITY AND PUBLIC NEED FOR THE : COUNCIL
CONSTRUCTION, MAINTENANCE, AND
OPERATION OF FACILITIES TO PROVIDE
CELLULAR SERVICE IN THE TOWNS OF
EAST LYME AND WATERFORD, CONNECTICUT. : December 22, 1986

D E C I S I O N A N D O R D E R

Pursuant to the foregoing Opinion, the Council hereby directs that a Certificate of Environmental Compatibility and Public Need (Certificate) as provided by section 16-50k of the General Statutes of Connecticut (CGS) be issued to the Southern New England Telephone Company for the construction, operation, and maintenance of telecommunications towers and associated equipment buildings to provide cellular mobile telephone service at Scott Road, East Lyme, and the Town of Waterford landfill, Waterford.

The facilities shall be constructed, operated, and maintained as specified in the Council's record on this matter, and subject to the following conditions.

1. The towers, including antennas, shall be no taller than necessary to provide the proposed service, and in no event shall exceed
 - a) 167 feet at the East Lyme site, and
 - b) 167 feet at the Waterford site.
2. A fence not lower than eight feet shall surround each tower and its associated equipment building.
3. Unless necessary to comply with condition number four, below, no lights shall be installed on these towers.
4. The facilities shall be constructed in accordance with all applicable federal, state, and municipal laws and regulations.

5. The certificate holder shall submit a Development and Management Plan (D&M plan) for the tower sites pursuant to sections 16-50j-75 through section 16-50j-77 of the Regulations of State Agencies, except that irrelevant items in section 16-50j-76 need only be identified as such. The D&M plan shall provide plans for evergreen screening around the fenced perimeter of the Waterford tower site. As stated in section 16-50j-75(d), the D&M plan must be approved by the Council prior to facility construction. Any changes in the D&M plan must be approved by the Council prior to facility operation.
6. No construction activities shall take place outside the hours of 7:00 A.M. to 7:00 P.M., Monday through Saturday.
7. The applicant or its successor shall notify the Council if and when directional antennas or any equipment other than that listed in the D&M plan is added to these facilities.
8. The applicant or its successor shall permit, in accordance with representations made by it during the proceeding, public or private entities to share space on the tower, for due consideration received, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
9. If the towers do not provide or permanently cease to provide cellular service following completion of construction, this Decision and Order shall be void and the towers and all associated equipment shall be dismantled and removed or reapplication for any new use shall be made to the Council before any such new use is made.

10. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within three years of the issuance of this Decision and Order, or within three years of the completion of any appeal taken of this Decision.
11. The certificate holder shall measure and report to the Council the radio frequency power density levels at these sites in accordance with Federal Communications Commission-specified guidelines as set forth in the Office of Science and Technology Bulletin No. 65, October, 1985, within six months of completion of construction. Pursuant to CGS section 16-50p, we hereby direct that a copy of the Decision and Order be served on each person listed below. A notice of the issuance shall be published in the New London Day and the Niantic News.

The parties to the proceeding are:

Southern New England Telephone Company
227 Church Street - Room 1021
New Haven, Connecticut 06506

(Applicant)

ATTN: Peter J. Tyrrell
Senior Attorney
(203) 771-7381

(its representative)

Metro Mobile CTS of Hartford, Inc.

represented by:

Mr. Howard L. Slater
Byrne, Slater, Sandler,
Shulman & Rouse, P.C.
330 Main Street
Post Office Box 3216
Hartford, Connecticut 06103

Waterford Planning & Zoning Commission

represented by:

Mr. Thomas V. Wagner
Town Planner
Town of Waterford
Waterford Planning &
Zoning Commission
15 Rope Ferry Road
Waterford, Connecticut 06385-2886

GEM Cellular

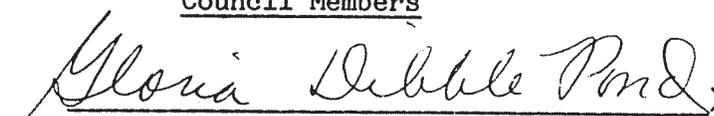
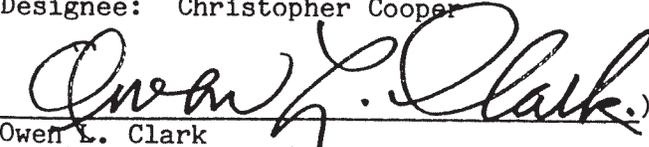
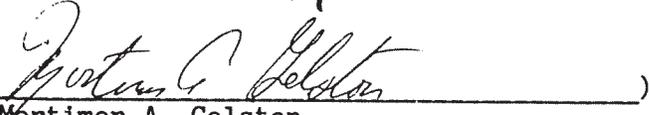
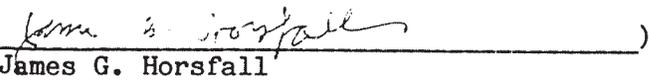
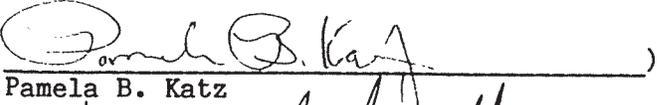
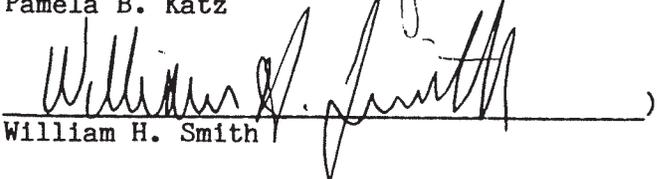
represented by:

Mr. George E. Murray
GEM Cellular
1809 Parkside Drive, N.W.
Washington, D.C. 20012

C E R T I F I C A T I O N

The undersigned members of the Connecticut Siting Council hereby certify that they have heard this case or read the record thereof, and that we voted as follows:

Dated at New Britain, Connecticut, this 22th day of December, 1986.

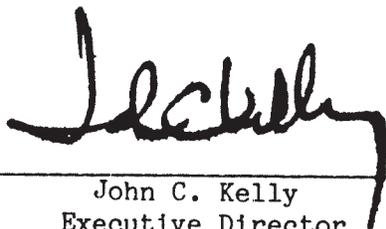
<u>Council Members</u>	<u>Vote Cast</u>
 Gloria Dibble Pond Chairperson	Yes
 Commissioner John Downey Designee: Commissioner Peter Boucher	Yes
 Commissioner Stanley Pac Designee: Christopher Cooper	Absent
 Owen L. Clark	Yes
 Mortimer A. Gelston	Yes
 James G. Horsfall	Yes
 Pamela B. Katz	Yes
 William H. Smith	Yes
 Colin C. Tait	Absent

STATE OF CONNECTICUT)
 :
COUNTY OF HARTFORD)

ss. New Britain, December 22, 1986

I hereby certify that the foregoing is a true and correct copy of the decision and order issued by the Connecticut Siting Council, State of Connecticut.

ATTEST:



John C. Kelly
Executive Director
Connecticut Siting Council

AN APPLICATION OF THE SOUTHERN : CONNECTICUT SITING
NEW ENGLAND TELEPHONE COMPANY FOR
A CERTIFICATE OF ENVIRONMENTAL
COMPATIBILITY AND PUBLIC NEED FOR THE : COUNCIL
CONSTRUCTION, MAINTENANCE, AND
OPERATION OF FACILITIES TO PROVIDE
CELLULAR SERVICE IN THE TOWNS OF
EAST LYME AND WATERFORD, CONNECTICUT. : December 22, 1986

F I N D I N G S O F F A C T

1. Southern New England Telephone Cellular, Inc. (SNET), in accordance with provisions of sections 16-50g to 16-50z of the Connecticut General Statutes (CGS), applied to the Connecticut Siting Council (Council) on July 21, 1986, for a Certificate of Environmental Compatibility and Public Need (Certificate) for the construction, maintenance, and operation of telecommunications towers and associated equipment buildings in the towns of East Lyme and Waterford to provide domestic public cellular radio telecommunications service (cellular service) to the New London New England County Metropolitan Area (New London NECMA). (Record)
2. The fee as prescribed by Section 16-50v-1 of the Regulations of State Agencies (RSA) accompanied the application. (Record)
3. The Council and its staff made an inspection of the proposed East Lyme site and proposed and alternative Waterford sites on October 15, 1986. (Record)
4. Pursuant to section 16-50m of the CGS, the Council, after giving due notice thereof, held a public hearing on this application in the Waterford Town Hall, Waterford, Connecticut, beginning at 7:00 P.M. on October 15, 1986. (Record)

5. The parties to the proceeding are the applicant and those persons and organizations whose names are listed in the Decision and Order which accompanies these findings. (Record)
6. The following state agency filed written comments with the Council pursuant to Section 16-50j of the CGS: the Department of Environmental Protection. (Record)
7. The Council took administrative notice of its record in Docket 45. (Tr., p. 11)
8. The New London NECMA consists of the towns of Colchester, Lebanon, Franklin, Sprague, Lisbon, Griswold, Voluntown, North Stonington, Preston, Norwich, Bozrah, Salem, Montville, Ledyard, Stonington, Groton, Waterford, New London, East Lyme, Lyme, and Old Lyme. (SNET 1, Section IV, p. 13)
9. SNET has filed with the Federal Communications Commission (FCC) for a total of four sites in the New London NECMA. (Tr., pp. 19-20)
10. SNET received construction permits from the FCC for cellular tower sites in the towns of East Lyme and Waterford on August 1, 1986. (SNET 3, Q. 18)
11. The FCC has determined that a public need exists nationwide to improve the present mobile telephone service, due to the current system's limited capacity, long waiting lists nationally, and poor quality service, which have created congested channels and long waiting times. (SNET 1, Section IV, p. 10)
12. Cellular service consists of small overlapping broadcast regions, two to ten miles in diameter, known as cells. Each cell is served by a transmitter limited by the FCC to no more

- than 100 watts effective radiated power per channel. Each cell is connected to a central switching point containing electronic apparatus uniting the cells into a system. (SNET 1, Section II, p. 2)
13. The FCC has pre-empted the state's regulation of cellular service in three major areas: technical standards, market structure, and state certification prior to federal application for a construction permit. (Docket 45, Exhibit 3, Section III, p. 4)
 14. The FCC has established the technical standards for cellular service to ensure the efficient use of the allotted frequency spectrum and to ensure nationwide compatibility. (Docket 45, Exhibit 1, Section III, p. 4)
 15. SNET considered and rejected the following locations in the East Lyme area as possible tower sites: the Stone Ranch Military Reservation; property owned by the Town of East Lyme north of the Boston Post Road, and the Sheffield School property owned by Yale University off of Scott Road. (SNET 1, Section VI, p. 3)
 16. The Stone Ranch Military Reservation property was unavailable. The Town of East Lyme property was rejected for low elevation and resulting unacceptable coverage. The Sheffield School property was of insufficient elevation. (SNET 1, Section VI, p. 3)
 17. The proposed East Lyme tower site is a leased, 100-foot by 100-foot parcel of land on a 232 acre tract of land owned by Woodrow R. Scott and Wilson P. and Clara A. Scott, approximately 1,800 feet off of Scott Road. The proposed site is within a woodlot adjacent to an apple orchard. (SNET 1, Section VI, p. 4, p. 16)

18. The proposed East Lyme site has an elevation of 353 feet above mean sea level (AMSL) and is located within a residential (R-20) zoning district. The distance to the nearest home is 1,100 feet. (SNET 1, Section VI, p. 16; SNET 2, Q. 4)
19. The proposed East Lyme tower would be a 150-foot monopole supporting a triangular antenna platform 154 feet above ground level (AGL). Whiplike, omnidirectional antennas at the corners of this platform would extend the height an additional 13 feet for a total structure height of 167 feet. (SNET 1, Section VI, p. 30)
20. A 12-foot by 26-foot, one story, equipment building would be constructed at the base of the East Lyme tower. The proposed tower and building would be surrounded by an eight-foot chain link fence. (SNET 1, Section V., p. 6, SNET, Section VI, p. 20)
21. The proposed East Lyme tower would be painted blue-gray to blend in with the background of the sky. The Federal Aviation Administration (FAA) has determined that the proposed tower would not be a hazard to air navigation, and therefore obstruction marking and lighting would not be required. (SNET 1, Section VI, p. 20, p. 30)
22. The electromagnetic radiation power densities at the base of the proposed East Lyme tower are calculated to be 0.10002 milliwatts per square centimeter, based on conservative assumptions. The American National Standards Institute (ANSI) standard for this frequency is 2.933 milliwatts per square centimeter. (SNET 1, Section IV, p. 9)

23. Access into the proposed East Lyme site would be via an existing, dirt roadway 1,300-feet in length. A 360-foot extension of this access would be constructed through the woodlot to the proposed site. (SNET 1, Section VI, p. 16)
24. SNET determined the visibility of its proposed towers by flying meteorological balloons at the heights of the proposed towers in East Lyme and Waterford. (Tr., pp. 16-17)
25. The proposed East Lyme tower would be visible from some portions of Scott Road to the west of the proposed site, and from the high point of Route 1 southwest of the intersection of Scott Road. The proposed tower would not be visible from Sunrise Trail or Legendary Road. (Tr., p. 16)
26. The proposed East Lyme tower would provide cellular coverage along Routes 1, 85, I-95, 156, 161, and I-395. Also covered would be the towns of Old Lyme, East Lyme, and Lyme; the Connecticut River; and eastern Long Island Sound. (SNET 1, Section VI, p. 1, p. 32)
27. If the proposed East Lyme tower were reduced to a height of 130 feet, 3.5 miles of coverage would be lost along Route I-95, an 0.8 mile loss would occur on Route 395, and 0.8 mile would be lost along Route 1. (Tr., p. 18)
28. SNET considered and rejected the following locations in the Waterford area as possible tower sites: the SNET microwave tower on its Washington Street, New London, office building; a private tower on Great Neck Road, Waterford; and several properties on Miner Lane. (SNET 1, Section VII, p. 3)

29. The SNET office building was of insufficient elevation and would provide unacceptable coverage. The private tower on Great Neck Road would be structurally incapable of holding the proposed antennas. Properties on Miner Lane were of insufficient elevation. (SNET 1, Section VII, p. 3)
30. The proposed Waterford site is a leased, 50-foot by 50-foot parcel of land within the 28-acre Town of Waterford landfill, and is located in a residential (R-40) zoning district on Miner Lane. (SNET 1, Section VII, p. 4, p. 13)
31. The proposed Waterford site is 94 feet AMSL. The distance to the nearest home would be 300 feet. (SNET 1, Section VII, p. 13; SNET 2, Q. 4)
32. The Town of Waterford landfill is presently used for the storage of bulky waste. The landfill has an expected life of 20 years. (SNET 2, Q. 15)
33. The proposed Waterford site is outside of any area previously used for waste burial. Decomposition gases are therefore not expected to be a problem at this proposed site. (SNET 4, Q. 2; Tr. pp. 13-14)
34. The proposed Waterford site would contain a 150-foot monopole supporting a triangular antenna platform 154 feet AGL. Whiplike antennas at the corners of this platform would extend the height an additional 13 feet for a total structure height of 167 feet. (SNET 1, Section VII, p. 27)

35. The proposed Waterford site would contain a 20-foot, 8 3/4-inch by 20-foot, 8 3/4-inch, one-story equipment building. The equipment building and tower would be surrounded by an eight-foot chain link fence. (SNET 1, Section V, p. 6)
36. The proposed Waterford tower would be painted blue-gray to blend in with the background of the sky. The FAA has determined that this proposed tower would not be a hazard to air navigation, and therefore obstruction marking and lighting are not required. (SNET 1, Section VII, p. 17; p. 27)
37. The electromagnetic radiation power densities at the base of the proposed Waterford tower are calculated to be 0.10002 milliwatts per square centimeter, based on conservative assumptions. (SNET 1, Section VII, p. 22)
38. The access into the proposed Waterford site would be via an existing roadway presently used for landfill access. A 325-foot extension of this roadway would be constructed. (SNET Section VII, p. 13)
39. The proposed Waterford tower would be 1.4 miles from the nearest portion of Harkness Memorial State Park. (SNET 2, Q. 4)
40. The proposed Waterford tower would be visible from some portions of Miner Lane, from the intersection of Route 1 and Miner Lane, and from some portions of Laurel Crest Drive. The top 50 to 60 feet of this tower would be visible from the nearest residence. (Tr., p. 15, p. 28)

41. The proposed Waterford tower would provide coverage along Routes 1, 12, 32, 85, I-95, 156, and I-395. It would also provide coverage to the towns of Waterford, New London, Groton, portions of Ledyard and Montville, eastern Long Island Sound, and Fishers Island.
(SNET 1, Section VII, p. 1, p. 29)
42. If the proposed Waterford tower were reduced to a height of 130 feet, one-half mile of coverage would be lost along Route I-95, and 1.2 miles of coverage would be lost along Route 1. (Tr., p. 19)
43. The alternative Waterford site is a 125-foot by 300-foot parcel of leased land owned by Angelo and Norma Occhionero and located in a residential (R-40) zoning district. (SNET 1, Section VIII, p. 4, p. 5)
44. The alternative Waterford site is 200 feet east of Miner Lane, and is 102 feet AMSL. The distance to the nearest home would be 320 feet. (SNET 1, Section VIII, p. 5; SNET 2, Q. 4)
45. The alternative Waterford tower site would contain a 150-foot monopole. The overall height of the structure, including antennas, would be 167 feet AGL. The monopole would be painted blue-gray to blend in with the sky. A 20-foot, 8 3/4-inch by 20-foot, 8 3/4-inch equipment building would be constructed at the base of the proposed tower. (SNET 1, Section V, pp. 2-4; SNET 1, Section VIII, p. 3)
46. Access into the alternative Waterford site would be via an existing, 175-foot, dirt roadway. A 100-foot extension of this roadway would be required. (SNET 1, Section VIII, p. 5)

47. The electromagnetic radiation power densities at the base of the proposed Waterford tower are calculated to be 0.10002 milliwatts per square centimeter, based on conservative assumptions. (SNET 1, Section VIII, p. 6)
48. The visibility of the alternative Waterford tower would be similar to that of the proposed Waterford tower, except that the alternative tower would be more visible from some of the residences on Miner Lane. (Tr., pp. 15-16; p. 28)
49. The expected coverage from the alternative Waterford site would be virtually identical to that of the proposed Waterford site. The proposed Waterford site is preferred by SNET because there would be less construction involved. (SNET 1, Section VIII, p. 1; Tr., p. 14)
50. The proposed East Lyme facility construction, equipment, and improvement costs are estimated as follows:

Radio equipment,	\$ 67,900;
Antenna equipment and mast,	38,000;
Power and common equipment,	126,000;
Land and building,	167,000;
Miscellaneous,	<u>69,100;</u>
Total	\$468,000.

(SNET 1, Section VI, p. 26)

51. The proposed Waterford facility construction, equipment, and improvement costs are estimated as follows:

Radio equipment,	\$ 71,100;
Antenna equipment, and mast,	38,000;
Power and common equipment,	180,000;
Land and building,	156,000;
Miscellaneous,	<u>65,500;</u>
Total	\$510,600.

(SNET 1, Section VII, p. 23; SNET 1, Section VIII, p. 1)

52. The State Historic Preservation Officer has determined that the proposed East Lyme and proposed and alternative Waterford tower sites would have no effect on the state's historic, architectural, or archaeological resources listed on or eligible for the National Register of Historic Places. (SNET 4, Q. 8)
53. There are no known existing or historic records of federal endangered or threatened species, or Connecticut species of special concern occurring at any of the proposed or alternative sites in this application. (SNET 2, Q. 7)
54. The proposed East Lyme and proposed and alternative Waterford sites are not classified as regulated inland wetlands. (SNET 2, Q. 6)
55. SNET would be willing to negotiate with private and public entities to share space on the proposed towers if legally, technically, economically, and environmentally feasible. (SNET 2, Q. 11)
56. Approximately 2,450 cellular radio subscribers would be expected in the New London NECMA. (SNET 2, Q. 21)

AN APPLICATION OF THE SOUTHERN : CONNECTICUT SITING
NEW ENGLAND TELEPHONE COMPANY FOR
A CERTIFICATE OF ENVIRONMENTAL
COMPATIBILITY AND PUBLIC NEED FOR THE : COUNCIL
CONSTRUCTION, MAINTENANCE, AND
OPERATION OF FACILITIES TO PROVIDE
CELLULAR SERVICE IN THE TOWNS OF
EAST LYME AND WATERFORD, CONNECTICUT. : December 22, 1986

O P I N I O N

The Southern New England Telephone Company (SNET) applied to the Connecticut Siting Council (Council) for a certificate of environmental compatibility and public need for the construction, operation, and maintenance of telecommunication towers and associated equipment buildings in the towns of East Lyme and Waterford to provide Domestic Cellular Radio Telecommunications Service (cellular service) in the New London New England County Metropolitan Area (NECMA).

The Council visited the proposed sites and an alternative to the proposed Waterford site on October 15, 1986. A public hearing was held in Waterford on the evening of October 15, 1986. The Council took administrative notice of its record in its proceeding in Docket 45, which pertained to SNET cellular service.

The Federal Communication Commission has determined that a public need for cellular service exists. The Waterford tower will provide coverage to the towns of Waterford, New London, Groton, portions of Ledyard and Montville, eastern Long Island Sound, and Fishers Island. The East Lyme tower will provide coverage to the towns of East Lyme, Old Lyme, Lyme, and eastern Long Island Sound. The Council finds that these facilities are necessary to provide cellular service. The establishment of these facilities to provide cellular service is not contingent on future siting decisions in adjacent areas.

In its deliberations, the Council considered such potential adverse effects of the facilities as their visibility, construction impacts, and compatibility with surrounding properties.

The impact of the proposed facilities would be primarily visual. The Waterford tower at the proposed landfill site would be less visible from some of the residences on Miner Lane than the alternative tower site located on the Occhionero property. The proposed Waterford landfill site because it would involve less construction. There are no known records of rare or endangered species occurring at any of the proposed or alternative sites. The State Historic Preservation Officer has determined that the construction of towers at the sites in this application would have no effect on the State's historic, architectural, or archaeological resources. Radiation power density levels for these radio frequencies will be well below the American National Standards Institute levels.

Based on these considerations, the Council has determined that the environmental effects of either of the proposed sites is insufficient to justify denying Council approval, and that the Waterford landfill tower site is preferable to the Waterford alternative tower site. Therefore, the Council will order that a certificate of environmental compatibility and public need be issued for the construction, operation, and maintenance of the proposed Waterford landfill tower site and East Lyme tower site.

EXHIBIT B



WIRELESS COMMUNICATIONS FACILITY

CT1345T

EAST LYME RELO.

TEMPORARY TOWER INSTALL

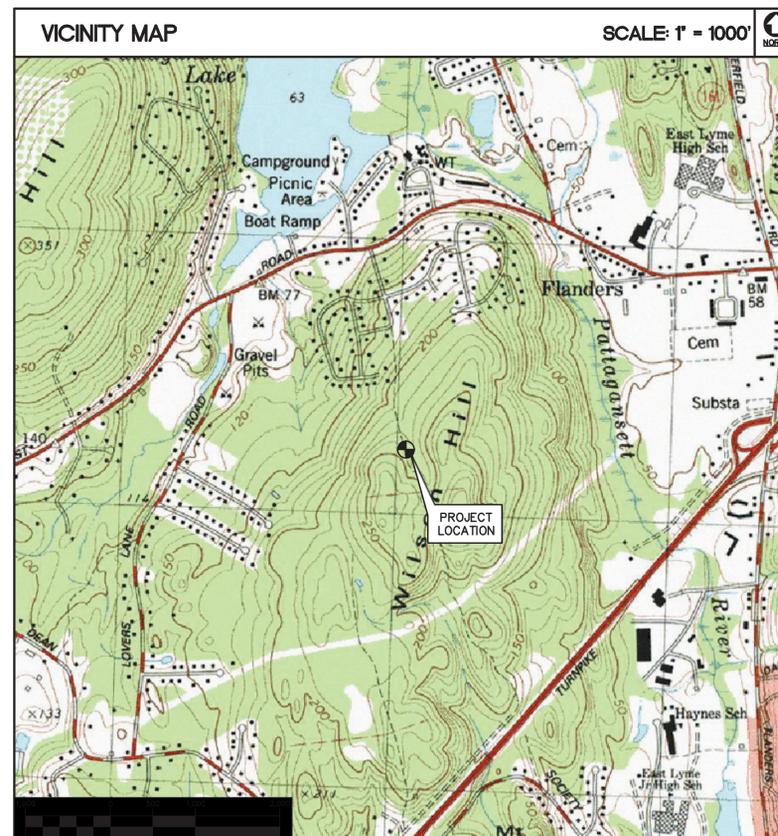
ANCIENT HIGHWAY (MAP 30, LOT 1)

EAST LYME, CT 06333

SITE DIRECTIONS		
FROM:	99 EAST RIVER DRIVE EAST HARTFORD, CONNECTICUT	TO: ANCIENT HIGHWAY EAST LYME, CT
1.	HEAD NORTHEAST ON ENTERPRISE DR TOWARD CAPITAL BLVD	0.3 MI.
2.	TURN LEFT ONTO CAPITAL BLVD	0.2 MI.
3.	TURN LEFT ONTO WEST ST	0.3 MI.
4.	TURN LEFT TO MERGE ONTO I-91 S	0.3 MI.
5.	MERGE ONTO I-91 S	1.2 MI.
6.	TAKE EXIT 22S ON THE LEFT TO MERGE ONTO CT-9 S TOWARD MIDDLETOWN/OLD SAYBROOK	29.2 MI.
7.	TAKE THE EXIT ON THE LEFT ONTO I-95 N/US-1 N TOWARD NEW LONDON/PROVIDENCE	9.3 MI.
8.	TAKE EXIT 74 FOR FLANDERS RD	0.1 MI.
9.	TURN LEFT ONTO CT-161 N/FLANDERS RD	0.5 MI.
10.	TURN LEFT ONTO US-1 S	1.0 MI.
11.	TURN LEFT ONTO ANCIENT HIGHWAY	0.2MI.

GENERAL NOTES	
1.	PROPOSED ANTENNA LOCATIONS AND HEIGHTS PROVIDED BY AT&T.

SITE INFORMATION	
THE SCOPE OF WORK SHALL INCLUDE:	
1.	THE INSTALLATION OF A SHARED WIRELESS COMMUNICATION TEMPORARY BALLAST TOWER, AN AT&T EQUIPMENT SHELTER & T-MOBILE EQUIPMENT ON A CONC. PAD WITHIN A ±30'x51' GRAVEL FENCED COMPOUND AREA.
2.	THE PROPOSED WIRELESS FACILITY INSTALLATION WILL BE DESIGNED IN ACCORDANCE WITH THE 2003 INTERNATIONAL BUILDING CODE AS MODIFIED BY THE 2009 CONNECTICUT SUPPLEMENT.
3.	POWER AND TELCO UTILITIES SHALL BE ROUTED UNDERGROUND FROM RESPECTIVE DEMARCS TO THE PROPOSED UTILITY BACKBOARD. FINAL DEMARC LOCATION AND UTILITY ROUTING TO PROPOSED BACKBOARD WILL BE VERIFIED/DETERMINED BY LOCAL UTILITY COMPANIES. UTILITIES WILL BE ROUTED UNDERGROUND FROM UTILITY BACKBOARD TO THE PROPOSED NOMINAL 12'x20' TEMPORARY AT&T WIRELESS EQUIPMENT SHELTER AND TO T-MOBILES EQUIPMENT CABINETS LOCATED WITHIN FENCED COMPOUND AREA.



PROJECT SUMMARY	
SITE NAME:	EAST LYME RELO. - CT1345T (TEMPORARY TOWER INSTALL)
SITE ADDRESS:	ANCIENT HIGHWAY (MAP 30, LOT 1) EAST LYME, CT 06333
PROPERTY OWNER:	HELEN M. DRABIK 18 DRABIK RD EAST LYME, CT 06333
LESSEE/TENANT:	AT&T MOBILITY 500 ENTERPRISE DRIVE, SUITE 3A ROCKY HILL, CT 06067
CONTACT PERSON:	DAVID VIVIAN SAI COMMUNICATIONS (413) 218-5042
ENGINEER:	CEN TEK ENGINEERING 63-2 NORTH BRANFORD ROAD, BRANFORD, CT 06405 (203) 488-0580
TEMPORARY TOWER COORDINATES:	LATITUDE: 41°-21'-36.098" LONGITUDE: 72°-13'-35.107" EX. GROUND ELEVATION: 251.4± A.M.S.L. COORDINATES AND GROUND ELEVATION BASED ON FAA 1-A SURVEY CERTIFICATION PREPARED BY MARTINEZ COUCH AND ASSOCIATES, DATED FEBRUARY 27, 2015.

SHEET INDEX		
SHT. NO.	DESCRIPTION	REV. NO.
T-1	TITLE SHEET	1
C-1.0	ABUTTERS MAP	1
C-2.0	SITE DEVELOPMENT PLAN AND MISC. SITE DETAILS	1
C-3.0	SITE CONSTRUCTION, S&E CONTROL NOTES AND DETAILS	1
C-4.0	ELEVATION AND ANTENNA CONFIGURATION	1
C-5.0	SITE DETAILS	1

REV.	DATE	BY	CHK'D BY	DESCRIPTION
1	03/23/15	HHR	DMD	CSC - ISSUED FOR CLIENT REVIEW
0	03/13/15	HHR	DMD	CSC - DESCRIPTION

PROFESSIONAL ENGINEER SEAL



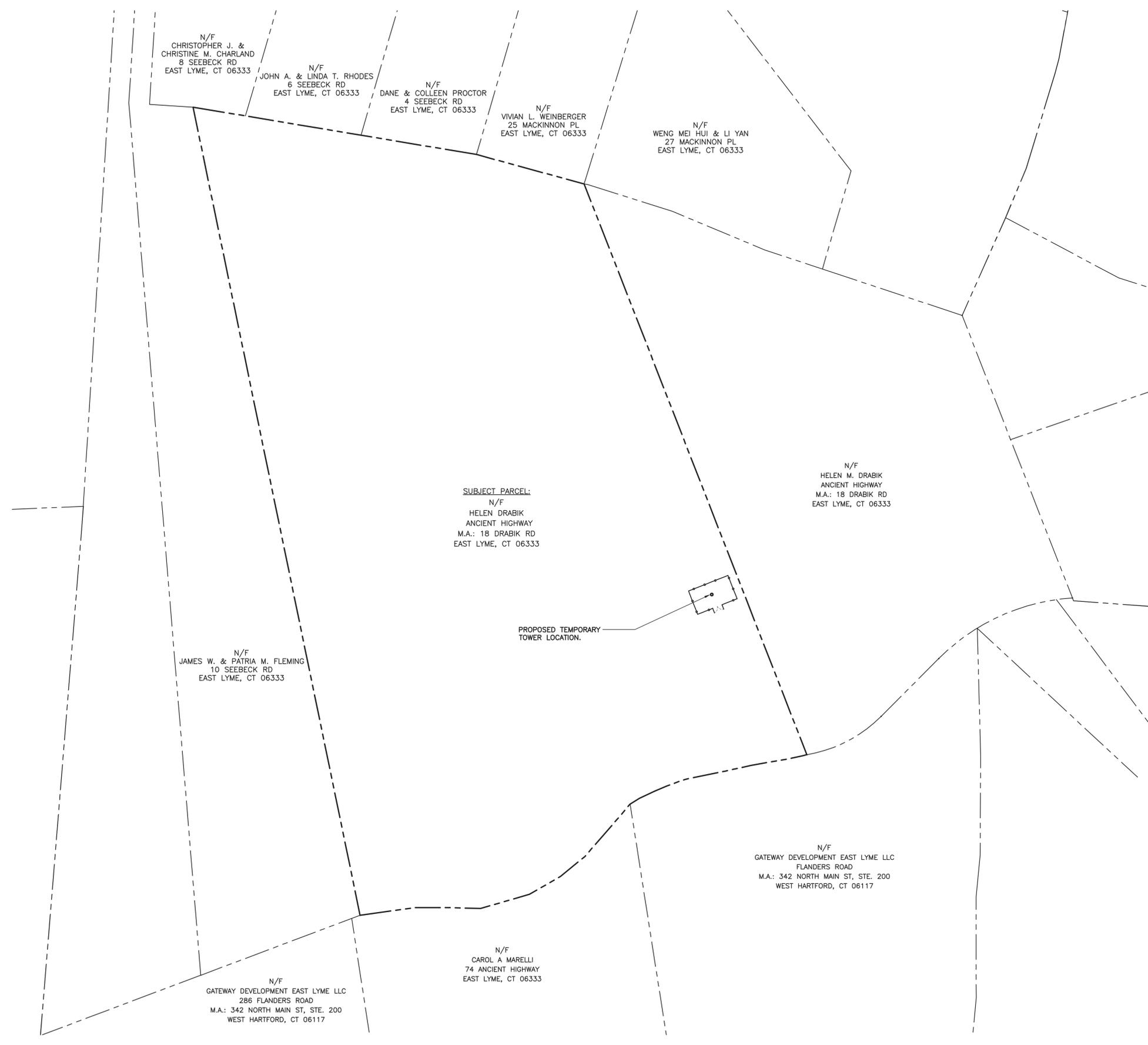
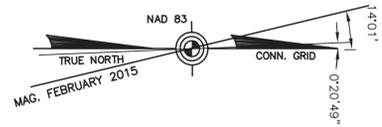
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632 North Branford Road
Branford, CT 06405
www.CenTekEng.com

AT&T MOBILITY
WIRELESS COMMUNICATIONS FACILITY
EAST LYME RELO.
CT1345T (TEMPORARY SITE)
ANCIENT HIGHWAY
EAST LYME, CT 06333

DATE: 03/04/15
SCALE: AS NOTED
JOB NO. 15021.000

TITLE SHEET

T-1
Sheet No. 1 of 6



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. IT IS A TOPOGRAPHIC MAP AND IS BASED UPON A DEPENDENT RESURVEY CONFORMING TO A VERTICAL ACCURACY OF CLASS T-2 AND IS INTENDED TO BE USED TO DEPICT A PROPOSED TELECOMMUNICATION SITE.

THE PROPERTY LINES DEPICTED HEREON WAS PREPARED FROM RECORD RESEARCH, OTHER MAPS, LIMITED FIELD MEASUREMENTS AND OTHER SOURCES. IT IS NOT TO BE CONSTRUED AS A PROPERTY/BOUNDARY SURVEY AND IS SUBJECT TO SUCH FACTS SAID SURVEY MAY DISCLOSE.

VERTICAL DATUM IS BASED ON NGVD 29.

COORDINATES REFER TO NAD 83.

PARCEL OWNER OF RECORD: HELEN M. DRABIK

PARCEL AREA = 4.5± ACRES.

PARCEL IS NOT IN A FLOOD HAZARD ZONE ON THE FLOOD INSURANCE RATE MAP, NEW LONDON COUNTY, CONNECTICUT, PANEL 476 OF 554, MAP NUMBER 09011C0476G , MAPS REVISED JULY 18, 2011, BY FEDERAL EMERGENCY MANAGEMENT AGENCY.

REFERENCE IS MADE TO THE FOLLOWING MAPS

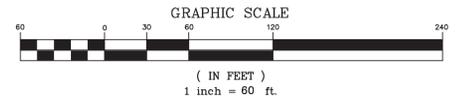
- ROSE CLIFF, FINAL SUBDIVISION, POPPY LANE, EAST LYME, CONN., DATED MARCH 20, 1992, BY DAVID M. COONROD, SHEETS #3,4 & 6.
- POST ROAD COMMONS, FINAL SUBDIVISION, PROPERTY OF SMITHS ASSOC., BOSTON POST ROAD, & LOVERS LANE, EAST LYME, SCALE 1"=40', DATED MAY 1, 1986, REVISED THROUGH DEC. 5, 1986, BY J. ROBERT PFANNER & ASSOCIATES P.C.
- FINAL SUBDIVISION, PROPERTY OF EDWARD H. DZWILEWSKI ET AL, WEBSTER ROAD, EAST LYME, CONN., SCALE 1"=50', DATED MARCH 13, 1985, REVISED THROUGH APRIL 30, 1985, BY J. ROBERT PFANNER & ASSOCIATES P.C.
- FINAL SUBDIVISION MAP, SECTION II, POND VIEW MANOR, ANCIENT HIGHWAY, EAST LYME, CONN., SCALE 1"=60', DATED MAY 1973, REVISED THROUGH JULY 17, 1973, BY MCKAY ENGINEERING.

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

A. RAFAEL MARTINEZ LLS #18833 DATE

1
C-1.0 **ABUTTERS MAP**
SCALE: 1" = 60'



REV.	DATE	BY	DESCRIPTION
1	03/23/15	HHR	
0	03/13/15	HHR	

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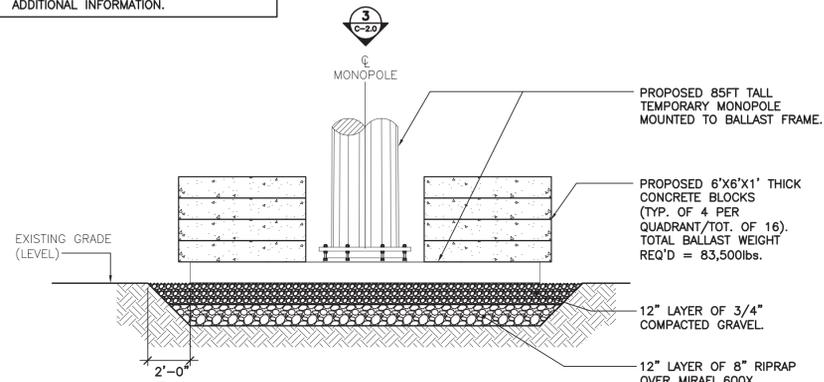
AT&T MOBILITY
WIRELESS COMMUNICATIONS FACILITY
EAST LYME RELO.
CT1945T (TEMPORARY SITE)
ANCIENT HIGHWAY
EAST LYME, CT 06333

DATE: 03/04/15
SCALE: AS NOTED
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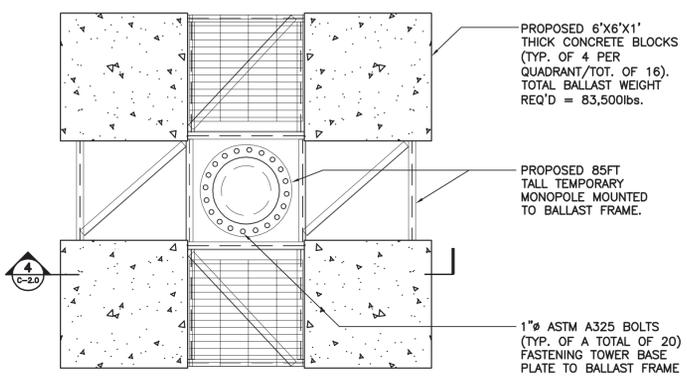
ABUTTERS MAP

C-1.0
Sheet No. 2 of 6

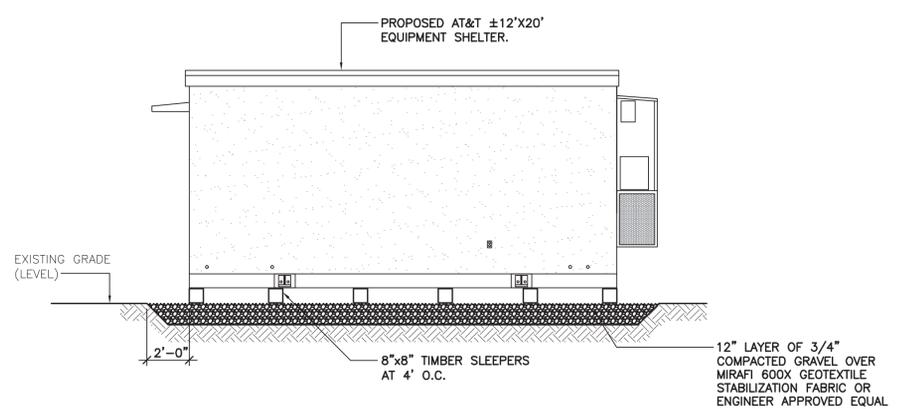
NOTE:
REFER TO STRUCTURAL ANALYSIS REPORT
AS PREPARED BY CENTEK ENGINEERING
(DATED: 03/13/15 PN: 15021.000) FOR
ADDITIONAL INFORMATION.



4 TEMP. BALLAST TOWER SECTION
C-2.0 SCALE: 1/4" = 1'-0"



3 TEMP. BALLAST TOWER PLAN
C-2.0 SCALE: 1/4" = 1'-0"



2 EQUIPMENT SHELTER ELEVATION
C-2.0 SCALE: 1/4" = 1'-0"

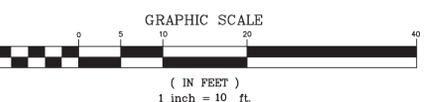
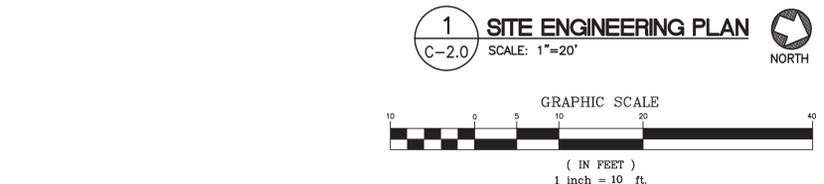
SURVEY REFERENCE NOTE:
REFER TO SURVEY NOTES ON SHEET C-1.0
FOR ADDITIONAL INFORMATION ASSOCIATED
WITH SITE SURVEY HEREIN.

MISCELLANEOUS SITE INFORMATION
TOTAL NUMBER OF TREES TO BE REMOVED: ±39
TOTAL AREA OF DISTURBANCE: ±15,350 S.F.

- 2** C-2.0 PROPOSED TEMPORARY AT&T EQUIPMENT SHELTER AT GRADE.
- 2** C-5.0 PROPOSED 6' TALL CHAINLINK FENCE.
- 3&4** C-2.0 PROPOSED AT&T TEMPORARY BALLAST TOWER AT GRADE.
- PROPOSED ±10'x20' CONC. PAD FOR T-MOBILE EQUIPMENT.
- 5** C-5.0 PROPOSED AT&T ±30'x51' GRAVEL COMPOUND AREA.
- 2** C-3.0 PROPOSED GRASS LINED SWALE, TYP.
- PROPOSED NORTH AMERICAN GREEN SC150BN EROSION BLANKET OR APPROVED EQUAL, TYP. REFER TO SHEET C-3 FOR ADDITIONAL INFORMATION.
- PROPOSED AT&T ANTENNA CABLES ROUTED ALONG A STRAP FASTENED FROM BALLAST TOWER TO EQUIPMENT SHELTER.
- 3** C-3.0 PROPOSED LEVEL SPREADER, TYP. (L=47', D=9")
- 1** C-3.0 PROPOSED SILT FENCE/STRAW BALES, TYP.
- 4&6** C-5.0 PROPOSED FACILITY UTILITY EQUIPMENT AND BOLLARDS, TYP.
- 1** C-5.0 PROTECT EXISTING TREE, TYP.
- 3** C-5.0 LIMITS OF PROPOSED AT&T ACCESS DRIVE W/ 1' SHOULDERS & 2% CROSS SLOPE, TYP.

- LIMITS OF PROPOSED AT&T ACCESS/ UTILITY EASEMENT, TYP.
- REMOVE EXISTING TREE, TYP.
- PROPOSED ROUTE OF POWER & TELCO UNDERGROUND UTILITIES FROM CL&P POLE #7479 TO FACILITY UTILITY EQUIPMENT.

- PROPOSED ±20'x80' GRAVEL SHOULDER FOR VEHICLE PULL OFF IN CASE OF EMERGENCY VEHICLE ACCESS ALONG ANCIENT HIGHWAY.



SYMBOLS LEGEND

—	DRIVE (EXISTING)
- - - -	CONTOUR LINE
— 650 —	GRADING LINE
~ ~ ~ ~	SILTATION FENCE/ STRAW BALES/ SILTATION FENCE "SANDWICH"
.....	TREE LINE
— OH —	OVERHEAD UTILITY

REV.	DATE	BY	CHK'D BY	DESCRIPTION
1	03/23/15	HRH		
0	03/13/15	HRH		

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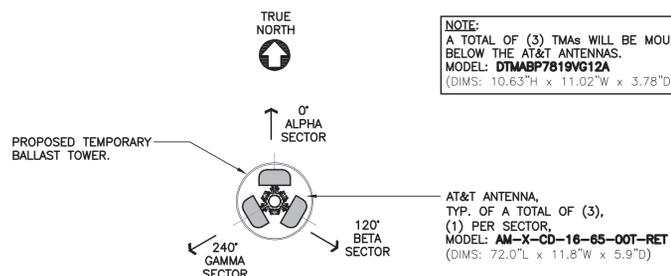
SITE DEVELOPMENT
PLAN AND
MISC. SITE DETAILS

C-2.0
Sheet No. 3 of 6

SITE DECOMMISSIONING AND RESTORATION PLAN

- A. REMOVE TOWER, ANTENNAS, MOUNTS, CABLING AND ALL APPURTENANCES.
- B. REMOVE ANY/ALL EQUIPMENT SHELTERS/BUILDINGS AND PAD MOUNTED EQUIPMENT AND ASSOCIATED COAX CABLE ICE BRIDGING AND BRIDGE SUPPORT POSTS IN THEIR ENTIRETY.
- C. TOWER AND EQUIPMENT FOUNDATIONS SHALL BE REMOVED TO 1 FOOT BELOW GRADE.
- D. DISMANTLE AND REMOVE CHAIN LINK FENCING AND ASSOCIATES POSTS IN THEIR ENTIRETY.
- E. REMOVE GRAVEL COMPOUND SURFACE IN ITS ENTIRETY. GRAVEL DRIVEWAY TO REMAIN.
- F. REMOVE ALL UNDERGROUND UTILITY CONDUCTORS ASSOCIATED WITH UTILITY SERVICE DISTRIBUTION FROM UTILITY BACKBOARD DEMARCS TO ALL EQUIPMENT.
- G. UNIFORMLY REGRADE ALL AREAS DISTURBED BY SITE REMOVAL OPERATIONS. GRADED AREAS TO RECEIVE 6" OF CLEAN LOOM TOPSOIL SUITABLE FOR ESTABLISHMENT OF A SEEDING BED. SEED TO BE USED IN ALL DISTURBED AREAS SHALL CONSIST OF NEW ENGLAND CONSERVATION/WILDLIFE SEED MIX PROVIDED BY NEW ENGLAND WETLAND PLANTS, INC., OR APPROVED EQUIVALENT.
- H. GOOD SEED/SOIL CONTACT SHALL BE ESTABLISHED BY EITHER LIGHT RAKING OR LIGHT COMPACTION WITH A HAND ROLLER OR BY FOOT.

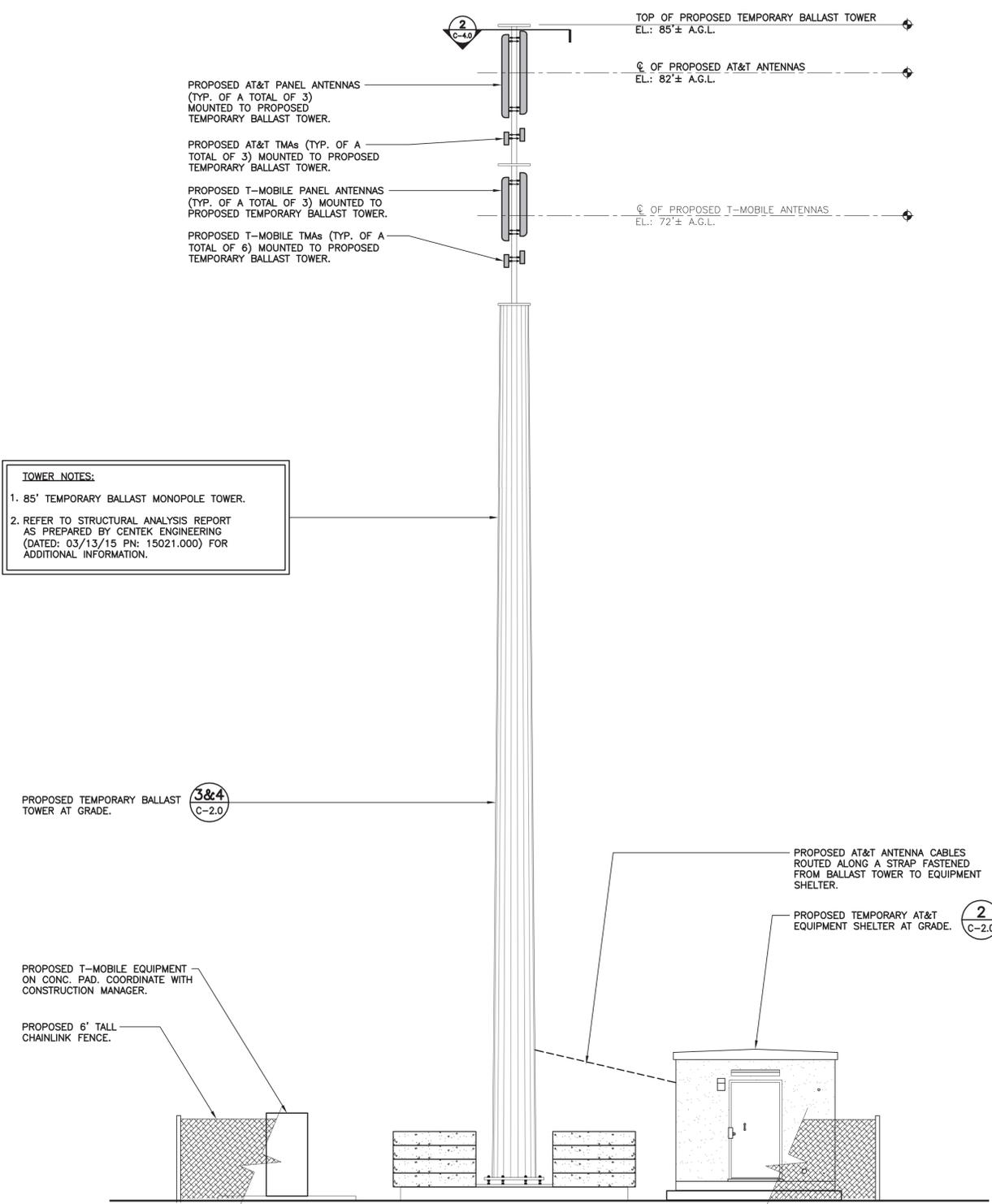
GENERAL NOTE:
ALL MATERIALS ASSOCIATED WITH THE DECOMMISSIONING OF THE SITE SHALL BE REMOVED AND DISPOSED OF LEGALLY OFF SITE.



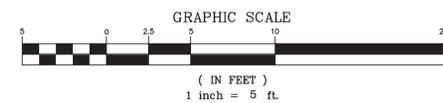
ANTENNA ϕ EL: 82'± AGL

2 AT+T ANTENNA MOUNTING CONFIGURATION
C-4.0 NOT TO SCALE

TOWER NOTES:
1. 85' TEMPORARY BALLAST MONOPOLE TOWER.
2. REFER TO STRUCTURAL ANALYSIS REPORT AS PREPARED BY CENTEK ENGINEERING (DATED: 03/13/15 PN: 15021.000) FOR ADDITIONAL INFORMATION.



1 EAST ELEVATION
C-4.0 SCALE: 1" = 5'



REV.	DATE	BY	CHK'D BY	DESCRIPTION
1	03/23/15	HHR	DMD	CSC - ISSUED FOR CLIENT REVIEW
0	03/13/15	HHR	DMD	CSC -

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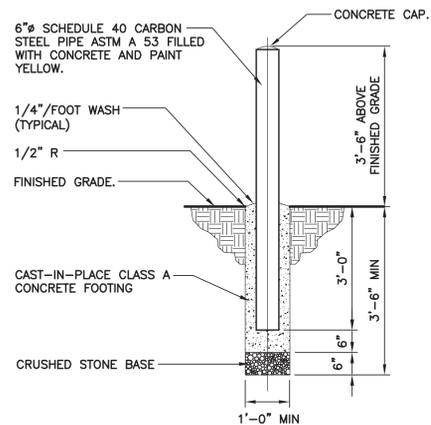
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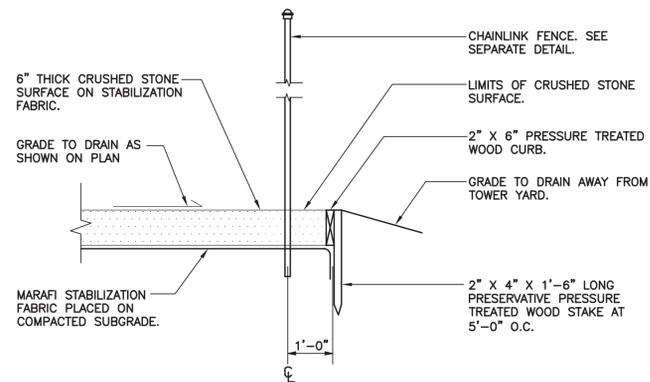
DATE: 03/04/15
SCALE: AS NOTED
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ELEVATION AND ANTENNA CONFIGURATION

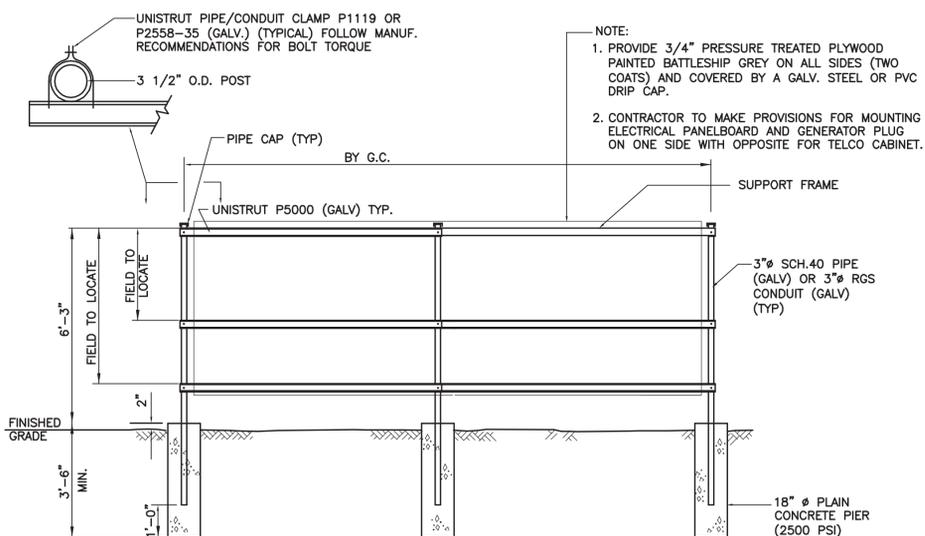
C-4.0
Sheet No. 5 of 6



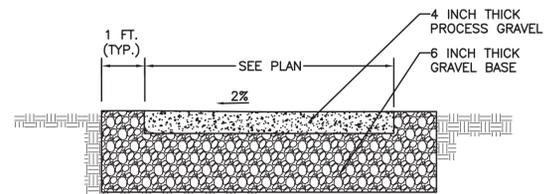
6 BOLLARD DETAIL
C-5.0 NOT TO SCALE



5 COMPOUND SURFACING DETAIL
C-5.0 NOT TO SCALE



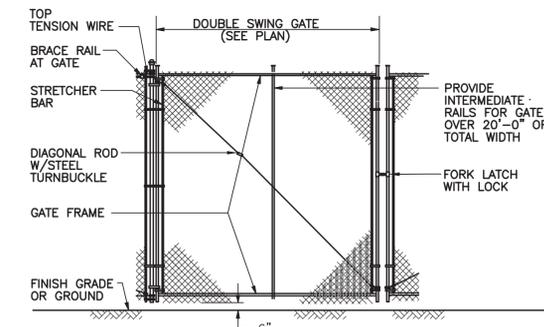
4 UTILITY SUPPORT FRAME (TYP)
C-5.0 NOT TO SCALE



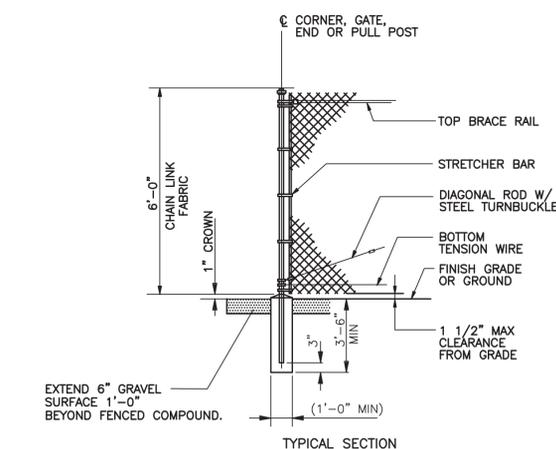
3 GRAVEL DRIVEWAY SECTION
C-5.0 NOT TO SCALE

WOVEN WIRE FENCE NOTES

- GATE POST, CORNER, TERMINAL OR PULL POST 2 1/2" ϕ SCHEDULE 40 FOR GATE WIDTHS UP THRU 6 FEET OR 12 FEET FOR DOUBLE SWING GATE PER ASTM-F1083.
- LINE POST: 2" ϕ SCHEDULE 40 PIPE PER ASTM-F1083.
- GATE FRAME: 1 1/2" ϕ SCHEDULE 40 PIPE PER ASTM-F1083.
- TOP RAIL & BRACE RAIL: 1 1/2" ϕ SCHEDULE 40 PIPE PER ASTM-F1083.
- FABRIC: 12 GA. CORE WIRE SIZE 1 1/4" MESH, CONFORMING TO ASTM-A392.
- TIE WIRE: MINIMUM 11 GA. GALVANIZED STEEL AT POSTS AND RAILS A SINGLE WRAP OF FABRIC TIE AND AT TENSION WIRE BY HOG RINGS SPACED MAX 24" INTERVALS.
- TENSION WIRE: 7 GA. GALVANIZED STEEL.
- BARBED WIRE: DOUBLE STRAND 12-1/2" O.D. TWISTED WIRE TO MATCH W/FABRIC 14 GA., 4 PT. BARBS SPACED ON APPROXIMATELY 5" CENTERS.
- GATE LATCH: DROP DOWN LOCKABLE FORK LATCH AND LOCK, KEYED ALIKE FOR ALL SITES IN A GIVEN MTA.
- LOCAL ORDINANCE OF BARBED WIRE PERMIT REQUIREMENT SHALL BE COMPLIED WITH IF REQUIRED.
- HEIGHT = 6' VERTICAL.
- ALL SECTIONS OF FENCE, INCLUDING GATE, SHALL RECEIVE VINYL PRIVACY SLATS. COORDINATE COLOR WITH OWNER.



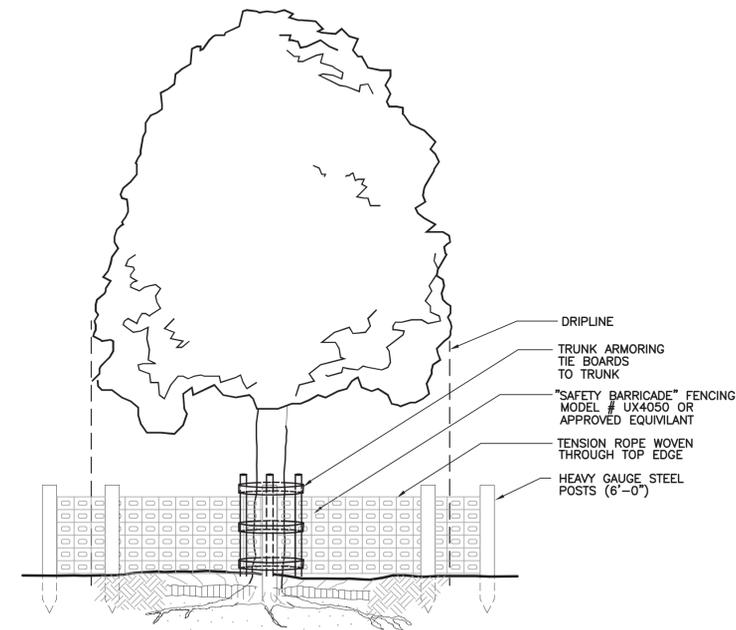
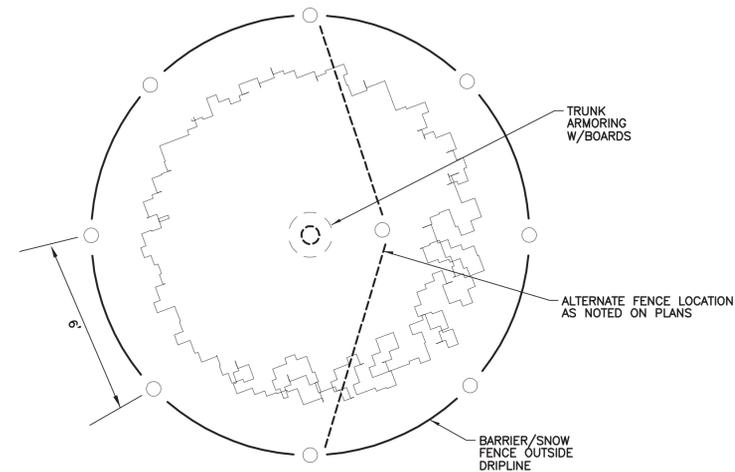
2A TYP. WOVEN WIRE SWING GATE-DOUBLE
C-5.0 NOT TO SCALE



2 WOVEN WIRE FENCE DETAIL
C-5.0 NOT TO SCALE

TREE PROTECTION NOTES

- ALL TREES SHOWN TO BE RETAINED WITHIN THE LIMITS OF CONSTRUCTION ON THE PLANS, SHALL BE PROTECTED DURING CONSTRUCTION WITH FENCING.
- TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING, OR GRADING) AND SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- FENCES SHALL COMPLETELY SURROUND THE TREE OR CLUSTERS OF TREES, LOCATED AT THE OUTERMOST LIMITS OF THE TREE BRANCHES (DRIPLINE) OR CRITICAL ROOT ZONE, WHICHEVER IS GREATER; AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROJECT IN ORDER TO PREVENT THE FOLLOWING:
 - SOIL COMPACTION IN CRITICAL ROOT ZONE AREA RESULTING FROM STORAGE OF EQUIPMENT OR MATERIAL.
 - CRITICAL ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES OR TRENCHING.
 - WOUNDS TO EXPOSED ROOTS, TRUNK, OR LIMBS BY MECHANICAL EQUIPMENT.
 - OTHER ACTIVITIES DETRIMENTAL TO TREES SUCH AS CONCRETE TRUCK CLEANING, AND FIRES.
- WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN A FENCE THAT IS CLOSER THAN 5 FEET TO A TREE TRUNK, THE TRUNK SHALL BE PROTECTED BY STRAPPED-ON PLANKING TO A HEIGHT OF 8 FEET (OR TO THE LIMITS OF LOWER BRANCHING) IN ADDITION TO THE REDUCED FENCING PROVIDED.
- WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN AREAS OF UNPROTECTED ROOT ZONES UNDER THE DRIPLINE OR CRITICAL ROOT ZONE WHICHEVER IS GREATER, THOSE AREAS SHOULD BE COVERED WITH 4 INCHES OF ORGANIC MULCH TO MINIMIZE SOIL COMPACTION.
- ALL GRADING WITHIN CRITICAL ROOT ZONE AREAS SHALL BE DONE BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE. PRIOR TO GRADING, RELOCATE PROTECTIVE FENCING TO 2 FEET BEHIND THE GRADE CHANGE AREA.
- ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL AND BACKFILLED WITH GOOD QUALITY TOP SOIL WITHIN TWO DAYS. IF EXPOSED ROOT AREAS CANNOT BE BACKFILLED WITHIN 2 DAYS, AN ORGANIC MATERIAL WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION SHALL BE PLACED TO COVER THE ROOTS UNTIL BACKFILL CAN OCCUR.
- PRIOR TO EXCAVATION OR GRADE CUTTING WITHIN TREE DRIPLINES, A CLEAN CUT SHALL BE MADE WITH A ROCK SAW OR SIMILAR EQUIPMENT, IN A LOCATION AND TO A DEPTH APPROVED BY THE FORESTRY MANAGER, TO MINIMIZE DAMAGE TO REMAINING ROOTS.
- TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES WILL BE WATERED DEEPLY ONCE A WEEK DURING PERIODS OF HOT DRY WEATHER. TREE CROWNS ARE TO BE SPRAYED WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON LEAVES.
- NO LANDSCAPE TOPSOIL DRESSING GREATER THAN FOUR (4) INCHES SHALL BE PERMITTED WITHIN THE DRIPLINE OR CRITICAL ROOT ZONE OF TREES, WHICHEVER IS GREATER. NO TOPSOIL IS PERMITTED ON ROOT FLARES OF ANY TREE.



1 TREE PROTECTION DETAIL
C-5.0 NOT TO SCALE

REV.	DATE	BY	CHK'D BY	DESCRIPTION
1	03/23/15	HRH	DND	CSC - ISSUED FOR CLIENT REVIEW
0	03/13/15	HRH	DND	DRAWN BY

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ANCIENT HIGHWAY
EAST LYME, CT 06333

DATE: 03/04/15
SCALE: AS NOTED
JOB NO. 15021.000

SITE DETAILS

C-5.0
Sheet No. 6 of 6