

CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS

Connecticut Siting Council

APPLICATION OF CELLCO PARTNERSHIP
D/B/A VERIZON WIRELESS
AND MESSAGE CENTER MANAGEMENT, INC.

GLASTONBURY SOUTH 2 FACILITY

DOCKET NO. _____

SEPTEMBER 30, 2009



TABLE OF CONTENTS

	Page
EXECUTIVE SUMMARY.....	i
SITE LOCATION MAP	iii
AERIAL PHOTO.....	iv
I. INTRODUCTION.....	1
A. Authority and Purpose	1
B. The Applicant.....	6
C. Application Fee.....	7
II. SERVICE AND NOTICE REQUIRED BY C.G.S. SECTION 16-50I(b)	7
III. REQUIRED INFORMATION: PROPOSED WIRELESS FACILITY.....	8
A. General Information.....	8
B. Public Need and System Design	10
1. Public Need.....	10
2. System Design and Equipment	11
a. System Design.....	11
b. Cellular System Equipment	12
3. Technological Alternatives	12
C. Site Selection and Tower Sharing.....	13
1. Cell Site Selection.....	13
2. Tower Sharing.....	14
D. Cell Site Information.....	14
1. Site Facilities.....	14
2. Overall Costs and Benefits.....	15
3. Environmental Compatibility.....	15
a. Primary Facility Impact is Visual.....	16
b. Environmental Reviews and Agency Comments.....	17
c. Non-Ionizing Radio Frequency Radiation	19
d. Other Environmental Issues	20
4. Consistency with Local Land Use Controls.....	20
a. Planned and Existing Land Uses.....	20
b. Glastonbury Plan of Conservation and Development.....	21

TABLE OF CONTENTS
(continued)

	Page
c. Zoning Regulations	21
d. Inland Wetland and Water Course Regulations	22
5. Local Input	24
6. Consultations With State and Federal Officials	25
a. Federal Communications Commission	25
b. Federal Aviation Administration	25
c. United States Fish and Wildlife Service	26
d. Connecticut Department of Environmental Protection	26
e. Connecticut State Historic Preservation Officer	26
E. Estimated Cost and Schedule	26
1. Overall Estimated Costs	26
2. Overall Scheduling	27
IV. CONCLUSION	27

LIST OF ATTACHMENTS

1. Glastonbury South 2 Facility – Site 1 – Factual Summary and Project Plans
2. Glastonbury South 2 Facility – Site 2 – Factual Summary and Project Plans
3. Connecticut Siting Council Application Guide
4. Certificate of Service of Application on Government Officials and List of Officials Served
5. Legal Notice in the *Glastonbury Citizen*
6. Notice to Landowners; List of Abutting Landowners; Certificate of Service
7. Federal Communications Commission Authorization
8. Coverage Maps – Location of Proposed and Surrounding Cell Sites
9. Antenna and Equipment Specifications
10. Site Search Summary
11. Visual Impact Evaluation Report – Site 1
12. Visual Impact Evaluation Report – Site 2
13. Environmental Reviews/State Agency Comments
14. Wetland Impact Report and Soils Report
15. Federal Airways & Airspace Summary Report
16. Site 1 Lease Agreement – Howard M. Schwager, Trustee
17. Site 2 Purchase and Sale Agreement – Joseph L. A. Robert and Homer Scoville

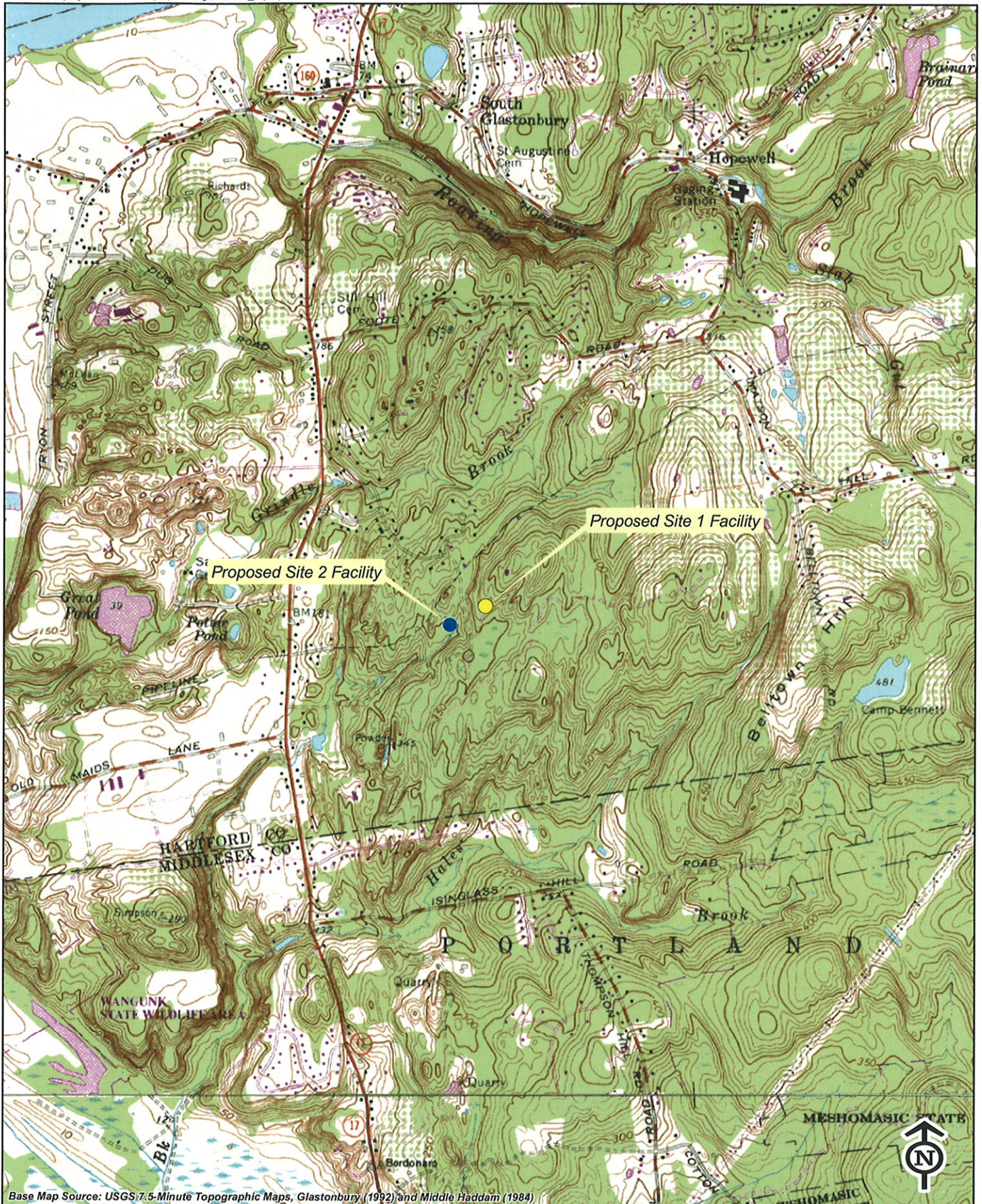
EXECUTIVE SUMMARY

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) and Message Center Management, Inc. (“MCM”) (collectively, the “Applicant”), propose to construct a telecommunications tower and related facility (the “Glastonbury South 2 Facility”) at one of two locations in the southerly portion of the Town of Glastonbury. The Glastonbury South 2 Facility will provide coverage and capacity relief to Cellco customers primarily along portions Route 17 and portions of Routes 160 and 99, as well as local roads in the southerly portion of Glastonbury, the northerly portion of Portland and the southeast portion of Rocky Hill.

The first alternative site would be located on a 13.7 acre parcel at 271 Dayton Road in South Glastonbury (“Site 1”). At Site 1, Cellco proposes the construction of a 110-foot telecommunications tower disguised as a pine tree. Simulated branches will extend an additional seven (7) feet above the top of the tower to an overall height of 117 feet above ground level (“AGL”). Cellco will install fifteen (15) panel-type antennas, with their centerline at the 110-foot level on the tower. Cellco would also install a 12’ x 30’ shelter on the ground near the base of the tower to house its radio equipment and a diesel-fueled back-up generator. The tower and equipment shelter will be located within a 50’ x 75’ fenced compound. Vehicular access to Site 1 would extend from Dayton Drive over the property owner’s existing gravel driveway, a distance of approximately 500 feet, then over a short gravel driveway extension to the cell site, an additional distance of approximately 100 feet. Utilities will extend from existing service immediately north of the Site 1 Facility compound.

The second alternative site would be located on a 39 acre parcel identified in the Glastonbury Assessor’s records as E14/1680/W0007. This parcel is immediately west of 271

Dayton Road and immediately south of the property at 280 Dayton Road (“Site 2”). MCM proposes the construction of a 160-foot telecommunications tower at Site 2. Cellco would install fifteen (15) panel-type antennas with their centerline at the 160-foot level on the MCM tower. Cellco would also install a 12’ x 30’ shelter on the ground near the base of the tower and a back-up generator. The tower and equipment shelter would be located within a 75’ x 75’ compound area. Vehicular access to Site 2 would extend from Dayton Road over a new gravel driveway a distance of approximately 375 feet. Utilities would also extend from Dayton Road along the proposed access driveway.



Base Map Source: USGS 7.5-Minute Topographic Maps, Glastonbury (1992) and Middle Haddam (1984)



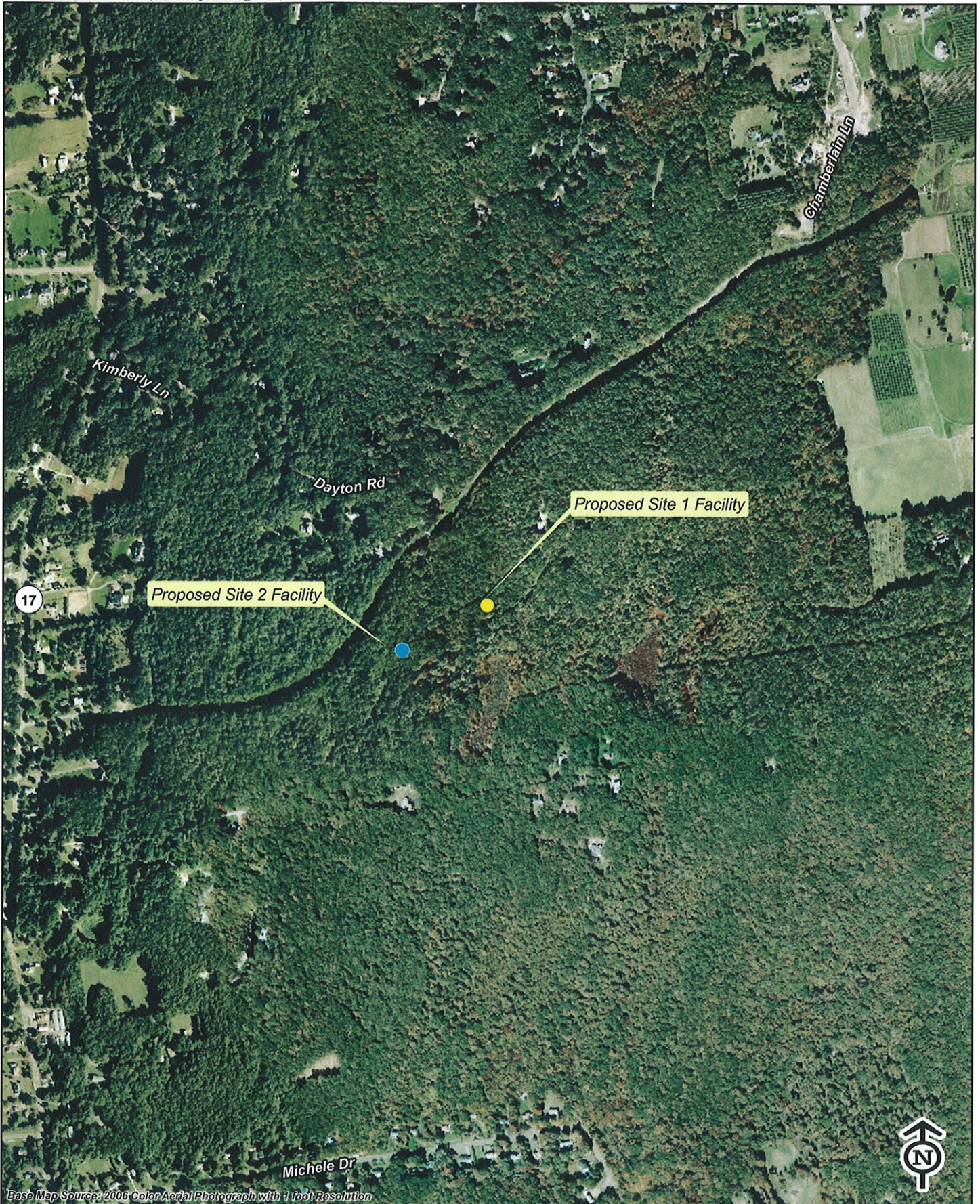
Vanasse Hangen Brustlin, Inc.

USGS Topographic Map
 Proposed Verizon Wireless
 Telecommunications Facility
 Two Candidate Sites
 Dayton Road
 Glastonbury, Connecticut



Quadrangle Location





Base Map Source: 2006 Color Aerial Photograph with 1 foot Resolution



Vanasse Hangen Brustlin, Inc.

**Aerial Photograph
 Proposed Verizon Wireless
 Telecommunications Facility
 Two Candidate Sites
 Dayton Road
 Glastonbury, Connecticut**



Quadrangle Location



**STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL**

IN RE: :
 :
 :
APPLICATION OF CELLCO PARTNERSHIP : **DOCKET NO. _____**
D/B/A VERIZON WIRELESS AND MESSAGE :
CENTER MANAGEMENT, INC. FOR A :
CERTIFICATE OF ENVIRONMENTAL :
COMPATIBILITY AND PUBLIC NEED FOR :
THE CONSTRUCTION, MAINTENANCE :
AND OPERATION OF A WIRELESS :
TELECOMMUNICATIONS FACILITY IN :
SOUTH GLASTONBURY, CONNECTICUT : **SEPTEMBER 30, 2009**

**APPLICATION FOR CERTIFICATE OF
ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED**

I. INTRODUCTION

A. Authority and Purpose

This Application and the accompanying attachments (collectively, the “Application”) is submitted by Cellco Partnership d/b/a Verizon Wireless (“Cellco”) and Message Center Management, Inc. (“MCM”) (collectively, the “Applicant”), pursuant to Chapter 277a, Sections 16-50g et seq. of the Connecticut General Statutes (“C.G.S.”), as amended, and Sections 16-50j-1 et seq. of the Regulations of Connecticut State Agencies (“R.C.S.A.”), as amended. The Application requests that the Connecticut Siting Council (“Council”) issue a Certificate of Environmental Compatibility and Public Need (“Certificate”) for the construction, maintenance, and operation of a wireless telecommunications facility, at one of two locations in the southerly portion of the Town of Glastonbury, Connecticut (the “Glastonbury South 2 Facility”). The proposed Glastonbury South 2 Facility would provide wireless telecommunications coverage and

capacity relief to Cellco customers traveling along Route 17 and portions of Route 160 and Route 99, as well as local roads and residential areas in South Glastonbury, and portions of Portland and Rocky Hill. These coverage gaps exist at both cellular and PCS frequencies between Cellco's existing Portland, Rocky Hill East, Rocky Hill 2 and Glastonbury 2 cell sites. Cellco proposes to fill these gaps by installing two new cell sites in the South Glastonbury area. The first location is the proposed Glastonbury South 2 cell site, described in this Application. The second cell site would be located to the north along Route 17 and is known as Cellco's "Glastonbury South" search area. The Glastonbury South facility will be the subject of a future Siting Council application.¹

Cellco's Portland cell site consists of antennas at the 160-foot level of a 160-foot tower at 74 Goodrich Lane in Portland, approximately 2.6 miles south of the proposed Glastonbury South 2 Facility. Cellco's Rocky Hill East cell site consists of antennas at the 140-foot level of a 150-foot tower at 699 Old Main Street in Rocky Hill, approximately 2.7 miles northwest of the proposed Glastonbury South 2 Facility. Cellco's Glastonbury 2 cell site consists of a roof-top installation at 628 Hebron Avenue in Glastonbury approximately 4.66 miles north of the Glastonbury South 2 Facility. Cellco's Rocky Hill 2 cell site consists of antennas at the 150-foot level on a 180-foot tower at 1218 Cromwell Avenue in Rocky Hill approximately 4.25 miles west of the Glastonbury South 2 Facility.

Prior to joining forces, Cellco and MCM were both pursuing separate alternative cell sites in South Glastonbury. Rather than filing two competing Council applications, Cellco and MCM agreed to work cooperatively and combine their proposals into one Council docket. In this

¹ Cellco has identified one possible site location that would satisfy its Glastonbury South coverage objectives located at 1040 Main Street. Cellco hopes to move forward with a Glastonbury South application later this year.

application, Cellco and MCM propose to establish a telecommunications facility at one of two alternative site locations, either of which would satisfy Cellco's coverage objectives in the area.

The first alternative cell site ("Site 1") would be located in the southerly portion of an approximately 13.7-acre parcel at 271 Dayton Drive in South Glastonbury. At Site 1, the Applicant would construct a 110-foot self-supporting monopole telecommunications tower. Due to the current characteristics at the Site 1 location, Cellco is considering a stealth option at Site 1 to disguise the tower as a pine tree. Simulated branches would extend above the top of the tower to an overall height of approximately 117 feet above ground level ("AGL"). Cellco would install a total of fifteen (15) panel-type antennas (six (6) cellular (850 MHz) antennas; six (6) PCS (1900 MHz) antennas and three (3) LTE (700 MHz) antennas) with their centerline at the 110-foot level. Equipment associated with Cellco's antennas would be located in a 12' x 30' shelter installed near the base of the tower within a 50' x 75' fenced compound. Vehicular access to Site 1 would extend from Dayton Drive over a portion of the Owner's existing gravel driveway a distance of approximately 500 feet, then along a short gravel driveway extension an additional distance of approximately 100 feet². Utilities will extend underground from existing service along the owners property immediately north of the proposed Site 1 Facility compound.

The proposed Site 1 Facility will provide reliable wireless service to a 2.48 mile portion of Route 17, its primary coverage objective and an overall area of 18.5 square miles at cellular frequencies; a 2.51 mile portion of Route 17, and an overall area of 9.8 square miles at PCS frequencies; and a 2.49 mile portion of Route 17, and an overall area of 20.2 square miles at LTE frequencies.

² The western-most portion of the landowner's existing driveway will be relocated so that it no longer crosses a portion of the abutting property to the south.

The second alternative cell site (“Site 2”) would be located in the portion of a 39 acre parcel identified in the Town Assessor’s records as Lot E14/1680/W0007, immediately west of 271 Dayton Road. At Site 2, the Applicant would construct a 160-foot self-supporting monopole telecommunications tower. Cellco would install a total of fifteen (15) panel-type antennas (six (6) cellular (850 MHz) antennas; six (6) PCS (1900 MHz) antennas; and three (3) LTE (700 MHz) antennas) with a centerline at 160 feet AGL. Equipment associated with Cellco’s antennas would be located in a 12’ x 30’ shelter installed near the base of the tower within a 75’ x 75’ fenced compound.³ Vehicular and utility access to Site 2 would extend from Dayton Road over a new gravel driveway a total distance of approximately 375 feet. Utilities would also extend from Dayton Road along the access driveway to the Site 2 Facility compound.

The proposed Site 2 Facility will provide reliable wireless service to a 2.53 mile portion of Route 17, its primary coverage objective and an overall area of 18.6 square miles at cellular frequencies; a 2.25 mile portion of Route 17, and an overall area of 9.7 square miles at PCS frequencies; and a 2.59 mile portion of Route 17, and an overall area of 21.0 square miles at LTE frequencies.

Both the Site 1 and Site 2 parcels are located in the Town’s Country Residence (CR) zone district. The towers and facility compound areas of both Site 1 and Site 2 would be designed to accommodate additional carriers as well as state or local emergency services antennas and equipment. As of the date of this filing no State or local emergency service providers, or any other commercial wireless service providers have committed to share the proposed facility.

³ If the Site 2 Facility is approved, MCM can purchase a two-acre portion of the 39 acre parcel, encompassing the Site 2 compound and access driveway.

Cellco's equipment shelter would house radio and related equipment, including (a) receiving, transmitting, switching, processing and performance monitoring equipment; and (b) automatic heating and cooling equipment. A back-up generator would also be installed in a segregated generator room within the shelter for use during power outages and periodically for maintenance purposes.

The tower and equipment shelter would be enclosed by an 8-foot high security fence and gate. Cellco's equipment building would be equipped with a silent intrusion and systems alarm and will be monitored on a 24-hour basis to receive and to respond to incoming alarms or other technical problems. The equipment building would remain unstaffed, except as required for maintenance. Once the cell site is operational, maintenance personnel will visit the cell site on a monthly basis. More frequent visits may be required if there are problems with the cell site equipment.

Included in this Application, as Attachments 1 and 2, are factual summaries and project plans for both the Site 1 and Site 2 Facilities. These summaries, along with the other attachments submitted as part of this Application, contain all of the site-specific information required by statute and the regulations of the Council.

In accordance with Paragraph I(F) of the Council's "Application Guide" for Community Antenna Television and Telecommunication Towers, a copy of the Application Guide is included as Attachment 3. The Application Guide contains references to the specific pages of this Application and the attachments where the information required under Section VI of the Application Guide may be found.

B. The Applicant

Cellco is a Delaware Partnership with an administrative office located at 99 East River Drive, East Hartford, CT, 06108. Cellco is licensed by the Federal Communications Commission (“FCC”) to operate a wireless telecommunications system in the State of Connecticut within the meaning of C.G.S. Section 16-50i(a)(6). Cellco has extensive national experience in the development, construction and operation of wireless telecommunications systems and the provision of wireless telecommunications service to the public. Operation of the wireless telecommunications systems and related activities are Cellco’s sole business in the State of Connecticut.

MCM is a Connecticut corporation with offices at 40 Woodland Street, Hartford, Connecticut 06105. MCM owns and operates numerous wireless telecommunications facilities in Connecticut and other states east of the Mississippi River.

Correspondence and/or communications regarding this Application may be addressed to:

Sandy Carter, Regulatory Manager
Verizon Wireless
99 East River Drive
East Hartford, Connecticut 06108

Christopher Gelinis
Message Center Management, Inc.
40 Woodland Street
Hartford, CT 06105

A copy of all such correspondence or communications should also be sent to:

Robinson & Cole LLP
280 Trumbull Street
Hartford, Connecticut 06103-3597
(860) 275-8200
Attention: Kenneth C. Baldwin, Esq.

Currently, the lease for the Site 1 Facility is between Cellco and Howard M. Schwager, Trustee. The lease for the Site 2 Facility is between MCM and Joseph L. A. Robert and Homer Scoville have entered into a Purchase and Sale Agreement for a portion of the 39 acre Site 2 property. Cellco and MCM have agreed to act as co-applicants in this proceeding and to cooperate in the development of the approved facility. If approved, MCM would be responsible for development and maintenance of the approved tower and will, going forward, own the Glastonbury South 2 Facility. Cellco intends to transfer its interest in the Council Certificate to MCM following approval of the docket. Cellco will ultimately become a tenant at the approved tower site pursuant to a separate sublease agreement with MCM.

C. Application Fee

The estimated total construction cost for either the Site 1 Facility or Site 2 Facility would be less than \$5,000,000. Therefore, pursuant to Section 16-50v-1a(b) of the Regulations of Connecticut State Agencies, an application fee of \$1,000 accompanies this Application in the form of a check payable to the Council.

II. SERVICE AND NOTICE REQUIRED BY C.G.S. SECTION 16-50I(b)

Copies of this Application have been sent by certified mail, return receipt requested, to municipal, regional, state and federal officials, pursuant to C.G.S. Section 16-50I(b). A certificate of service, along with a list of the parties served with a copy of the Application, is included as Attachment 4.

Notice of Cellco's intent to submit this Application was published on September 17 and September 24, 2009, by Cellco in the *Glastonbury Citizen* pursuant to C.G.S. Section 16-50I(b). A copy of the published legal notice and Affidavit of Publication are included as Attachment 5.

Attachment 6 contains a certification that notices were sent to each person appearing of record as an owner of property that may be considered to abut the land on which the Site 1 and Site 2 Facilities would be located in accordance with C.G.S. Section 16-50(b), as well as a list of the property owners to whom such notice was sent and a sample notice letter.

III. REQUIRED INFORMATION: PROPOSED WIRELESS FACILITY

The purpose of this section is to provide an overview and general description of the Site 1 and Site 2 Facilities proposed to be installed in South Glastonbury.

A. General Information

Prior to the 1980's, mobile telephone service was characterized by insufficient frequency availability, inefficient use of available frequencies and poor quality of service. These limitations generally resulted in problems of congestion, blocking of transmissions, interference, lack of coverage and relatively high cost. Consequently, the FCC, in its Report and Order released May 4, 1981 in FCC Docket No. 79-318, recognized the public need for technical improvement, wide-area coverage, high quality service and a degree of competition in mobile telephone service.

More recently, the federal Telecommunications Act of 1996 (the "Act") emphasized and expanded on these aspects of the FCC's 1981 decision. Among other things, the Act recognized an important nationwide public need for high-quality wireless telecommunication services of all varieties. The Act also expressly promotes competition and seeks to reduce regulation in all aspects of the telecommunications industry in order to foster lower prices for consumers and to encourage the rapid deployment of new telecommunications technologies.

The proposed Glastonbury South 2 Facility would be part of Cellco's expanding wireless telecommunications network envisioned by the Act and has been developed to help meet these

nationwide goals. In particular, Cellco's system has been designed, and the cell sites proposed in this Application have been selected, so as to maximize the geographical coverage and quality of service while minimizing the total number of cell sites required.

Because the FCC and the United States Congress have determined that there is a pressing public need for high-quality wireless telecommunications service nationwide, the federal government has preempted the determination of public need by states and municipalities, including the Council, with respect to public need for the service to be provided by the proposed facility. In addition, the FCC has promulgated regulations containing technical standards for wireless systems, including design standards, in order to ensure the technical integrity of each system and nationwide compatibility among all systems. State and local regulation of these matters is likewise preempted. The FCC has also exercised its jurisdiction over and preempted state and local regulation with respect to radio frequency interference issues by establishing regulations in this area as well.

Pursuant to FCC authorizations, Cellco has constructed and currently operates a wireless system throughout Connecticut. This system, together with Cellco's system throughout its east coast and nationwide markets, has been designed and constructed to operate as one integrated, contiguous system, consistent with Cellco's business policy of developing compatibility and continuity of service on a regional and national basis.

Recognizing the public safety benefits that enhanced wireless telecommunications networks can provide, the United States, Congress also enacted the Wireless Communications and Public Safety Act of 1999 to promote and enhance public safety by making 911 the universal emergency assistance number, furthering the deployment of wireless 911 capabilities and further encouraging the construction and operation of seamless, ubiquitous and reliable wireless networks. In 2004,

Congress enacted the Enhanced 911 Act for the specific purpose of enhancing and promoting Homeland Security, public safety and citizen activated emergency response capabilities. These goals and other related responsibilities imposed on wireless service providers can only be satisfied if Cellco maintains a ubiquitous and reliable wireless network.

Included as Attachment 7 is a copy of the FCC's authorization issued to Cellco for its wireless service in Hartford County, Connecticut. The FCC's rules permit a licensee to modify its system, including the addition of new cell sites, without prior approval by the FCC, as long as the licensee's authorized service area is not enlarged. The Glastonbury South 2 Facility would not enlarge Cellco's authorized service area.

B. Public Need and System Design

1. Public Need

As noted above, the Act has pre-empted any state or local determination of public need for wireless services. In Hartford County, Cellco holds an FCC License to provide cellular, PCS and LTE services. Pursuant to its FCC Licenses, Cellco has developed and continues to develop a network of cell sites to serve the demand for wireless service in the area. Cellco's network currently provides coverage in Glastonbury and the surrounding areas from its existing cell sites in the area. Plots showing coverage from Cellco's existing Portland, Rocky Hill East and Rocky Hill 2 facilities alone and together with the coverage from the proposed Site 1 and Site 2 Facilities are included as Attachment 8.

2. System Design and Equipment

a. System Design

Cellco's wireless system in general and the proposed Glastonbury South 2 Facility, in particular, have been designed and developed to allow Cellco to achieve and to maintain high quality, reliable wireless service without interruption from dropped calls and interference.

The system design provides for frequency reuse and hand-off, is capable of orderly expansion and is compatible with other wireless systems. The resulting quality of service compares favorably with the quality of service provided by conventional wireline telephone service. The wireless system is designed to assure a true cellular configuration of base transmitters and receivers in order to cover the proposed service area effectively while providing the highest quality of service possible. Cell site transmissions are carefully tailored to the FCC's technical standards with respect to coverage and interference and to minimize the amount of power that is radiated.

Mobile telephone switching offices ("MTSOs") in Windsor and Wallingford are interconnected and operate Cellco's wireless systems in Connecticut as a single network, offering the subscriber uninterrupted use of the system while traveling throughout the State. This network is further interconnected with the local exchange company ("LEC") and inter-lata (long distance) carriers network.

Cellco has designed its wireless system in conformity with applicable standards and constraints for wireless systems. Cellco's system is also designed to minimize the need for additional cell sites in the absence of additional demand or unforeseen circumstances.

b. Cellular System Equipment

The key elements of the cellular system are the two MTSOs located in Windsor and Wallingford and the various connector cell sites around the state. Cellco's CDMA wireless networks are deployed on two platforms: the earlier AUTOPLEX system, using Series II base stations, and the newer FLEXENT CDMA system, using smaller, more compact modular base stations. Because the Series II base stations are no longer manufactured, the newer CDMA systems, using smaller, more compact modular base stations are used for all current installations.

The major electronic components of each cell site are radio frequency transmission and receiving equipment and cell site controller equipment. Cellco's cellular system uses Lucent Flexent® Modular Cell 4.0B cell site equipment to provide complete cell site control and performance monitoring. This equipment is capable of expanding in modules to meet system growth needs. The cell site equipment primarily provides for: message control on the calling channel; call setup and supervision; radio frequency equipment control; internal diagnostics; response to remote and local test commands; data from the mobile or portable unit in both directions and on all channels; scan receiver control; transmission of power control commands; rescanning of all timing; and commands and voice channel assignment. Additional information with respect to the Lucent Flexent® Modular Cell 4.0B equipment is contained in Attachment 9.

3. Technological Alternatives

Cellco submits that there are no equally effective technological alternatives to the proposal contained herein. In fact, Cellco's wireless system represents state-of-the-art technology offering high-quality service. Cellco is aware of no viable and currently available alternatives to its system design for carriers licensed by the FCC.

C. Site Selection and Tower Sharing

1. Cell Site Selection

The goal in selecting cell sites such as the one proposed in South Glastonbury is to locate a facility in such a manner as to allow it to build and to operate a high-quality wireless system with the least environmental impact. The Applicant has determined that the proposed Site 1 and Site 2 Facilities will satisfy this goal and is necessary to resolve existing coverage problems and to provide high-quality reliable service primarily along portions of Routes 17, 160 and 99, as well as local roads in South Glastonbury, southeast portions of Rocky Hill and the northern portions of Portland.

The methodology of cell site selection for a wireless system generally limits the search for possible locations to specific locations on the overall grid for the area. A list of existing towers or other non-tower structures considered is included in Attachment 10. Cellco currently shares the existing towers in the area including those sites identified on the coverage maps. (See Attachment 8). These existing tower sites cannot satisfy the coverage objectives for the Glastonbury South 2 search area. Cellco also regularly investigates the use of existing, non-tower structures in an area, when available, as an alternative to building a new tower. No existing non-tower structures of suitable height exist in the South Glastonbury area. Cellco initiated a site search process for the Glastonbury South 2 cell site in 2006 and identified the property at 271 Dayton Road as a viable candidate for a cell site. Cellco determined that an antenna height of 110 feet at this location would satisfy its coverage objectives in the area. Also in 2006, MCM began its own search for a tower site in South Glastonbury and identified the Site 2 parcel as a viable alternative cell site for the same coverage area. Cellco determined that it would need an antenna height of 160 feet at Site 2 to satisfy its objectives in the Glastonbury South 2 search area. The site search summary together with

the site information contained in Attachments 1 and 2 support Cellco's position that the sites selected represent the most feasible alternative of the sites investigated.

2. Tower Sharing

The Applicant will design the approved facility tower and compound to be shared by a minimum of four wireless carriers, and the Town, if a need exists. This type of tower sharing arrangement would reduce, if not eliminate, the need for these other carriers or municipal entities to develop a separate tower in this same area in the future. As of the date of this filing, no other carrier has yet expressed any interest in the Glastonbury South 2 Facility.

D. Cell Site Information

1. Site Facilities

At Site 1, the Applicant would construct a new 110-foot tall tower disguised as a pine tree and install fifteen (15) panel-type directional antennas at the top of the tower. At Site 2, the Applicant would construct a new 160-foot tall monopole tower. Cellco would install its antennas at the 160-foot level on the MCM tower. Cellco would install a 12' x 30' single-story shelter near the base of either the Site 1 or Site 2 tower to house its receiving, transmitting, switching, processing and performance monitoring equipment and the required heating and cooling equipment. A diesel-fueled generator would also be installed within a segregated room in Cellco's equipment shelter for use during power outages and periodically for maintenance purposes. The tower and equipment shelter would be surrounded by an 8-foot high security fence and gate. (See Attachments 1 and 2).

The equipment shelter would be equipped with silent intrusion and systems alarms. Cellco personnel will be available on a 24-hour basis to receive and to respond to incoming alarms. The equipment building will remain unstaffed, except as required for periodic maintenance purposes.

2. Overall Costs and Benefits

Aside from the limited visual impacts discussed further below, the Applicant believes that there are no significant costs attendant to the construction, maintenance, and operation of the proposed cell site. In fact, the public will benefit substantially from its increased ability to receive high-quality, reliable wireless service in Glastonbury.⁴ The Glastonbury South 2 Facility would be a part of a communications system that addresses the public need identified by the FCC and the United States Congress for high-quality, competitive mobile and portable wireless service. Moreover, the proposed cell site would be part of a system designed to limit the need for additional cell sites in the future.

The overall costs to the Applicant for development of the proposed cell site are set forth in Section III.E. of the Application.

3. Environmental Compatibility

Pursuant to Section 16-50p of the General Statutes, in its review of the Application, the Council is required to find and to determine, among other things, the nature of the probable environmental impact, including a specification of every significant adverse effect of the Site 1 and Site 2 Facilities, whether alone or cumulatively with other effects, on, and conflicting with the policies of the state concerning the natural environment, ecological balance, public health and safety, scenic, historic and recreational values, forests and parks, air and water purity and fish and wildlife.

⁴ Businesses across the State have become more dependent on wireless telecommunication services. The public safety benefits of wireless telephone service are illustrated by the improved Connecticut State Police 911 emergency calling system. The 911 emergency calling system is available statewide to all wireless telephone users. Numerous other emergency service organizations have turned to wireless telephone service for use during natural disasters and severe storms when wireline service is interrupted or unavailable. As a deterrent to crime, the general public will further benefit from the Cellular Telecommunications Industry Association's donation of more than 50,000 cellular phones to "Neighborhood Watch" groups nationwide.

a. Primary Facility Impact is Visual

The wireless system of which the proposed Glastonbury South 2 Facility would be a part has been designed to meet the public need for high-quality, reliable wireless service while minimizing any potential adverse environmental impact. In part because there are few, if any other adverse impacts, the primary impact of facilities such as this is visual. This visual impact will vary from location to location around a tower, depending upon factors such as vegetation, topography, the distance of nearby properties from the tower and the location of buildings and roadways in a “sight line” toward the tower. Similarly, visual impact of a tower facility can be further reduced through the proper use of alternative tower structures; so-called “stealth installations.” Where appropriate, telecommunications towers camouflaged as trees, can help to further reduce visual impacts associated with these structures. Attachments 11 and 12 contain Visual Resource Evaluation Reports, prepared by VHB, Inc. (the “VHB Reports”) for the Site 1 and Site 2 Facilities respectively. The VHB Reports assess the visual impact of the proposed tree tower at Site 1 and the proposed monopole tower at Site 2. Each report includes photosimulations for the Council’s review and consideration.

(1) Site 1 Visibility

According to the VHB Report for Site 1, areas where the tower would be visible above the tree canopy comprise approximately 140 acres or less than 2% of the 8,042 acre study area. The areas of year-round visibility associated with the Site 1 tower is generally limited to distant views (in excess of one mile) from locations to the northwest and southwest and from an agricultural field approximately 0.65 miles to the northeast of Site 1. Areas where seasonal views are anticipated

comprise of approximately 15 additional acres and are generally located in the area immediately surrounding the Site 1 Facility.

There are five (5) residences within 1,000 feet of the Site 1 Facility including the Property Owner's residence. The closest off-site residence is located at 255 Dayton Road, approximately 680 feet to the north of Site 1. The property at 255 Dayton Road is listed on Cellco's abutting properties list behind Attachment 6 of this Application.

According to the VHB Report for Site 2, areas where the tower would be visible above the tree canopy comprise approximately 123 acres or less than 2% of the 8,042 acre study area. The areas of year-round visibility associated with Site 2 are generally limited to distant views from locations to the west of Site 2. Areas where seasonal views are anticipated comprise approximately 55 additional acres and are generally located in the area immediately surrounding the Site 2 location.

There are four (4) residences within 1,000 feet of Site 2. The closest residence is located at 255 Dayton Road, approximately 620 feet to the northwest of the Site 2 tower location.

Weather permitting, the Applicant will raise balloons with a diameter of at least three (3) feet at the Site 1 and Site 2 locations on the day of the Council's hearing on this Application, or at a time otherwise specified by the Council.

b. Environmental Reviews and Agency Comments

Section 16-50j of the General Statutes requires the Council to consult with and to solicit comments on the Application from the Commissioners of the Departments of Environmental Protection, Public Health, Public Utility Control, Economic Development, and Transportation, the Council on Environmental Quality, and the Office of Policy and Management, Energy Division. In

addition to the Council's solicitation of comments, Cellco and MCM, as a part of the National Environmental Policy Act ("NEPA") Checklist, each solicit comments on the proposed Site 1 and Site 2 Facilities from the U.S. Department of the Interior, Fish and Wildlife Service ("USFWS"), Environmental and Geographic Information Center of the Connecticut Department of Environmental Protection ("DEP") and the Connecticut Historical Commission, State Historic Preservation Officer ("SHPO"). Information on the USFWS and DEP reviews regarding impacts on known populations of Federal or State Endangered, Threatened or Special Concern Species occurring at the proposed site are included in Attachment 13.

(1) Site 1 Facility

According to the USFWS letter dated January 2, 2009, and Dean Gustafson's memorandum dated August 18, 2009, no federally-listed or proposed, threatened or endangered species or critical habitat are known to occur in Glastonbury, Connecticut.

In a comment letter dated June 19, 2009, the DEP stated that their records indicate that the State Endangered "timber rattlesnake" may occur in the project area. Upon further investigation by Julie Victoria, a Wildlife Biologist with DEP, development of the Site 1 Facility will have no impact on the timber rattlesnake. A copy of the USFWS information, Mr. Gustafson's August 18, 2009 memorandum and the DEP's letters are included as a part of Attachment 13.

Also included in Attachment 13 is a letter from the SHPO confirming that the Site 1 Facility will have no effect on historic, architectural or archeological resources listed on or eligible for the National Register of Historic Places.

(2) **Site 2 Facility**

Similar to the information provided for Site 1, according to USFWS letter dated January 2, 2009, no federally listed or proposed, threatened or endangered species or critical habitat are known to occur in Glastonbury, Connecticut. In a comment letter dated July 7, 2009 from Julia Victoria, a Wildlife Biologist with DEP, development of Site 2 will have no impact on timber rattlesnakes. A copy of the USFWS information and the DEP letter are included as a part of Attachment 13.

Also included in Attachment 13 is a letter from the SHPO confirming that the Site 2 Facility will have no effect on historic, architectural or archeological resources listed on or eligible for the National Register of Historic Places.

This review by federal and state agencies furnishes ample expert opinion on the potential environmental impacts from the Glastonbury South 2 Facility, in the context of the criteria which the Council must consider.

c. **Non-Ionizing Radio Frequency Radiation**

The FCC has adopted a standard for exposure to Radio Frequency (“RF”) emissions from telecommunications facilities like the one proposed in this Application. To ensure compliance with the applicable standards, Cellco has performed maximum power density calculations for the proposed cell site according to the methodology prescribed by the FCC Office of Engineering and Technology Bulletin No. 65, Edition 97-01 (August 1997) (“OET Bulletin 65”). The calculation is a conservative, worst-case approximation for RF power density levels at the closest accessible point to the antennas, in this case the base of the tower, and with all antennas transmitting simultaneously on all channels at full power. The calculations indicate that the maximum power density level for

Cellco's cellular, PCS and 700 MHz antennas would be 30.02% of the Standard at Site 1 and 12.53% of the Standard at Site 2.

d. Other Environmental Issues

No sanitary facilities are required for either Site 1 or Site 2. The operations at the Glastonbury South 2 Facility will not cause any significant air, water, noise or other environmental impacts, or hazard to human health.

Based on agency comments received and field investigations by the Cellco and MCM project teams, the Applicant submits that the proposed Site 1 and Site 2 Facilities will have no significant adverse effect on scenic, natural, historic or recreational features, and that none of the potential effects from either the Site 1 or Site 2 Facilities alone or cumulatively with other effects is sufficient reason to deny this Application.

4. Consistency with Local Land Use Controls

The Council Application Guide for Community Antenna Television and Telecommunication Facilities, as amended on February 16, 2007, requires the inclusion of a narrative summary of the project's consistency with the Town's Plan of Conservation and Development (the "Plan") and Building Zoning Regulations, as well as a description of planned and existing uses of the site location and surrounding properties.

a. Planned and Existing Land Uses

The proposed Site 1 Facility would be located on an approximately 13.7-acre parcel owned by Howard M. Schwager, Trustee. The proposed Site 2 Facility would be located on an approximately 39 acre parcel owned by Joseph L. A. Robert and Homer Scoville. Both parcels are zoned Country Residence ("CR"). The Site 1 parcel is used for private residential purposes.

The Site 2 parcel is undeveloped and bisected by the Algonquin gas pipeline. Both properties are surrounded by wooded areas and low density residential land uses.

b. Glastonbury Plan of Conservation and Development

The Town of Glastonbury Plan of Conservation & Development (the “Plan”), effective September 23, 2007, makes two brief references to the development of new telecommunications facilities. Through the Town-Wide Policies section of the Plan, the Town encourages the use of existing structures or buildings for telecommunications facilities if and when such structures are available and supports new tower development only after all other alternatives are exhausted. Likewise, in the South Glastonbury (Village) Center section of the Plan, the use of existing buildings or structures for telecommunications facilities is strongly promoted. This section of the Plan also encourages limiting any new communications towers permitted by the Council to a single location. According to the Plan’s “Land Use Map” the Property is not located within the South Glastonbury Village Center area. Four (4) copies of the Plan were filed, in bulk, with the Council.

c. Zoning Regulations

According to the Town’s Zoning Map, both the Site 1 and Site 2 parcels are located in the Country Residence (“CR”) zone district. Pursuant to Section 4.1.1 of the Glastonbury Zoning Regulations, towers are permitted in the CR zone subject to the approval of a Special Exception from the Zoning Board of Appeals. Pursuant to Section 3.21, antenna towers must maintain a setback of all property lines equal to a distance of 1.5 times the height of the tower. The closest property line to the Site 1 (110’) tower is located approximately 204 feet to the north, more than 1.5 times the required setback. (See Attachment 1 – Plan Sheet C-1). Likewise, the closest property line to the Site 2 (160’) tower is located approximately 275 feet to the east, more than

1.5 times the tower height. (See Attachment 2 – Plan Sheet C-1). Four (4) copies of the Glastonbury Zoning Regulations were filed, in bulk, with the Council.

d. Inland Wetland and Water Course Regulations

The Inland Wetlands and Watercourses Regulations of the Town of Glastonbury (the “IWW Regulations”) define Regulated Activity as any operation within, or use of, a wetland or watercourse or deposition of material, clear cutting or any obstruction, construction, alteration or pollution or disturbance of the natural and indigenous character of the land of such wetlands or watercourses and any removed or deposition of material, clear cutting, obstruction or construction within 100 feet of a wetland or watercourse. Four (4) copies of the Glastonbury IWW Regulations were filed, in bulk, with the Council.

Dean Gustafson, Professional Soil Scientist with VHB, Inc., conducted a field investigation and completed a Wetlands Delineation Report and Wetlands Compliance Memorandum for development for the Site 1 Facility. The closest wetland area is located approximately 175 feet south of the Site 1 Facility. In his Compliance Memorandum, Mr. Gustafson concludes that “since no direct impact to wetlands will occur as a result of the proposed Verizon Wireless development and there is a significant buffer separating the facility from the nearest wetland, no likely adverse impact to wetlands will result from the proposed project.” Copies of the Site 1 Wetlands Delineation Report and Compliance Memorandum are included in Attachment 14.

Tom Pietras, Professional Soil Scientist with Soil Science and Environmental Services, Inc. (“SSES”), conducted a field investigation and completed a Wetlands Delineation Report for the Site 2 Facility. The closest wetland area is located approximately 100 feet to the west and

north of the Site 2 Facility compound. A portion of the Site 2 access driveway would extend within approximately 35 feet of two on-site wetland areas. These two wetland areas were determined to maintain the characteristics of a vernal pool and were evaluated further by SSES. A formal vernal pool study was submitted to the Glastonbury Conservation Commission for review and consideration. After reviewing this report the Town and MCM agreed to adjust the Site 2 driveway location to reduce potential impacts on a small vernal pool near Dayton Road.

In August of 2009, the Glastonbury Town Council asked the Conservation Commission to formally “comment” on the Cellco and MCM tower proposals. The tower proposals were the subject of some brief discussion at the Conservation Commission’s meeting of September 10, 2009. On September 21, 2009 the Conservation Commission conducted a field review of both the Site 1 and Site 2 tower locations. At its regular meeting of September 24, 2009, the Conservation Commission expressed a preference for the Site 1 tower location at 271 Dayton Road, finding that this location would have less overall environmental effect than the Site 2 location. The Conservation Commission also felt that the use of a “monopine” at Site 1 was not appropriate since there are no other evergreen trees located near the Site 1 compound area.

In accordance with the Connecticut Soil Erosion Control Guidelines, as established by the Council for Soil and Water Conservation, adequate and appropriate soil erosion and sedimentation control measures will be established and maintained throughout the cell site construction period. In addition, the Applicant will employ appropriate construction management practices to ensure that no pollutants would be discharged to any nearby watercourse or wetland areas or to area groundwater during the construction process. Four (4) copies of the Glastonbury Zoning Regulations were filed, in bulk, with the Council.

According to the Federal Emergency Management Agency Flood Insurance Rate Map (“FIRM”), Community Panel Number 09003C0538F (Map Revised: September 26, 2008), the Site 1 and Site 2 Facilities would be located in Flood Zone X. A copy of the FIRM is also included in Attachment 14.

5. Local Input

Section 16-50~~l~~(e) of the Connecticut General Statutes, as amended, requires local input on matters before the Council. On June 17, 2009, Cellco representatives met with Glastonbury’s Town Manager, Richard Johnson, to commence the sixty (60) day municipal consultation process for Site 1. Mr. Johnson received copies of technical information summarizing Cellco’s plans to establish a telecommunications facility at the Property. At the request of the Town Manager, on July 20, 2009, Cellco representatives appeared at a Special Public Information Meeting before the Glastonbury Town Council. At this meeting, Cellco discussed, in detail, the aspects of the proposed Site 1 Facility, its need for a facility in the area and the Connecticut Siting Council application process. Notice of the July 20, 2009 Special Meeting was sent, by Cellco, to all owners of property within 500 feet of the Site 1 parcel. At the time of its initial meeting with the Town of Glastonbury, Cellco was aware of MCM’s intent to pursue an application at the Site 2 location. During the July 20, 2009 public information meeting, the Town Manager, members of the Town Council and the general public were made aware of Cellco’s intent to present the MCM tower site to the Siting Council as an alternative to the Site 1 location.

MCM’s contact with Town of Glastonbury officials began at the end of 2008 and continued, with presentations and discussions with the Glastonbury Conservation Commission officials into January of 2009. MCM had spent a significant amount of time discussing on-site wetland impacts

with the Conservation Commission prior to commencing the Siting Council application process. MCM commenced the formal local input review process with the submission of a Technical Report to the Town of Glastonbury on July 16, 2009. At the request of the Town Manager, MCM also appeared before the Glastonbury Town Council on August 11, 2009. At that meeting, MCM described the details of the Site 2 location, the need for the Facility in the area and the Connecticut Siting Council application process.

6. Consultations With State and Federal Officials

Attachment 13 and Section III.D. of the Application describe Cellco's and MCM's consultations with state and federal officials regarding Cellco's proposed Site 1 and Site 2 Facilities.

a. Federal Communications Commission

The FCC did not review this particular proposal. As discussed above, FCC approval is not required where the authorized service area is not enlarged.

b. Federal Aviation Administration

As it does with all of its tower applications, Cellco and MCM conducted separate air-space analyses for the proposed Site 1 and Site 2 Facilities to determine if either proposed tower would constitute an obstruction or hazard to air navigation. These analyses have confirmed, pursuant to FAA standards and guidelines that neither the Site 1 nor Site 2 towers would constitute an obstruction or hazard to air navigation. Therefore, no obstruction marking or lighting would be required. A copy of the Federal Airways & Airspace Summary Report is included in Attachment 15.

c. United States Fish and Wildlife Service

According to the USFWS, there are several federally-listed or proposed, threatened or endangered species or critical habitat that may occur in the project area. There is, however, no habitat on the Property that would support any of the identified species. (See Attachment 13).

d. Connecticut Department of Environmental Protection

(1) Environmental and Geographic Information Center

As discussed above, the DEP determined that there are no known extent populations of Federal or State Endangered, Threatened or Special Concern Species that occur at either the Site 1 or Site 2 locations. (See correspondence contained behind Tab 13).

(2) Bureau of Air Management

Pursuant to R.C.S.A. § 22a-174-3, the on-site emergency back-up generator proposed as a part of this Application will require the issuance of a permit from the DEP Bureau of Air Management. As proposed, this emergency generator will be run only during the interruption of utility service to the cell site and periodically as required for maintenance purposes. Cellco will obtain the necessary permit prior to installing the generator at the Glastonbury South 2 Facility.

e. Connecticut State Historic Preservation Officer

As discussed above, Attachment 13 also includes the SHPO's determination for both Site 1 and Site 2 that the proposed development will have no effect on historic, architectural or archaeological resources listed on or eligible for the National Register of Historic Places.

E. Estimated Cost and Schedule

1. Overall Estimated Costs

The total estimated cost of construction for Site 1 is \$720,000. This estimate includes:

- | | |
|--|-----------|
| (1) Cell site radio equipment of approximately | \$450,000 |
|--|-----------|

(2)	Tower, coax and antenna costs of approximately	150,000
(3)	Power systems costs of approximately	20,000
(4)	Equipment building costs of approximately	50,000
(5)	Miscellaneous costs (including site preparation and installation) of approximately	50,000

The total estimated cost of construction for Site 2 is \$711,500. This estimate includes:

(1)	Cell site radio equipment of approximately	\$450,000
(2)	Tower, coax and antenna costs of approximately	145,000
(3)	Power systems costs of approximately	19,000
(4)	Equipment building costs of approximately	50,000
(5)	Miscellaneous costs (including site preparation and installation) of approximately	47,500

2. Overall Scheduling

Site preparation and engineering would commence following Council approval of Cellco's Development and Maintenance ("D & M") plan and are expected to be completed within two to four weeks. Due to the delivery schedules of the manufacturers, installation of the building and installation of the tower are expected to take an additional two weeks. Equipment installation is expected to take an additional two weeks after installation of the building and installation of the tower. Cell site integration and system testing is expected to require two weeks after equipment installation.

IV. CONCLUSION

Based on the facts contained in this Application, Cellco and MCM submit that the establishment of the Glastonbury South 2 Facility, at either Site 1 or Site 2 will not have any

substantial adverse environmental effects. A public need exists for high quality reliable wireless service in the Town of Glastonbury and throughout Hartford County, as determined by the FCC and the United States Congress, and a competitive framework for providing such service has been established by the FCC and the Telecommunications Act of 1996. Cellco submits that the public need far outweighs any possible environmental effects resulting from the construction of the proposed cell site.

WHEREFORE, Cellco respectfully requests that the Council grant this Application for a Certificate of Environmental Compatibility and Public Need for the proposed Glastonbury South 2 Facility.

Respectfully submitted,

CELLCO PARTNERSHIP D/B/A VERIZON
WIRELESS AND MESSAGE CENTER
MANAGEMENT

By: 

Kenneth C. Baldwin, Esq.

Robinson & Cole LLP

280 Trumbull Street

Hartford, Connecticut 06103-3597

(860) 275-8200

Attorneys for the Applicant

GLASTONBURY SOUTH 2

SITE 1

**271 Dayton Road
South Glastonbury, Connecticut**

Description of Proposed Cell Site

Cellco Partnership d/b/a Verizon Wireless
99 East River Drive
East Hartford, CT 06108

and

Message Center Management, Inc.
40 Woodland Street
Hartford, CT 06105

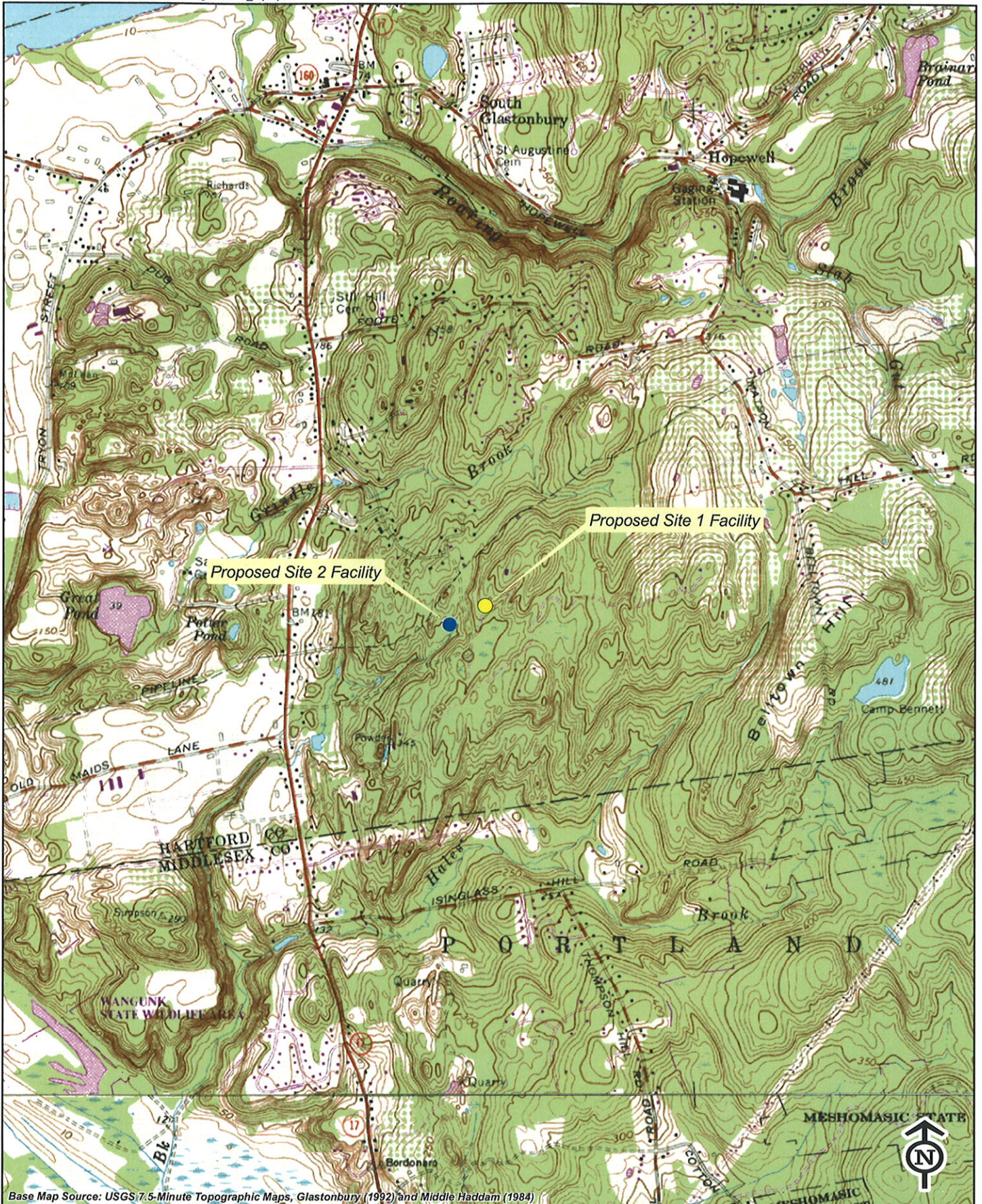
TABLE OF CONTENTS

	Page
GENERAL CELL SITE DESCRIPTION	1
U.S.G.S. TOPOGRAPHIC MAP	2
AERIAL PHOTOGRAPH	3
SITE EVALUATION REPORT	4
FACILITIES AND EQUIPMENT SPECIFICATION.....	6
ENVIRONMENTAL ASSESSMENT STATEMENT.....	7

SITE NAME: SITE 1 – 271 Dayton Road, South Glastonbury, CT

GENERAL CELL SITE DESCRIPTION

The Site 1 Facility would be located on an approximately 13.7 acre parcel, 271 Dayton Road in South Glastonbury, Connecticut. The property is owned by Howard M. Schwager, Trustee. The Site 1 Facility would consist of a 110-foot telecommunications tower disguised as a pine tree. Simulated branches would extend above the top of the tower and additional seven (7) feet for an overall height of 117-feet. Cellco antennas would be mounted with their centerline at the 110-foot level. Cellco would install a 12' x 30' equipment shelter near the base of the tower to house its radio equipment and back-up generator. Vehicular access to the site would extend from Dayton Road along the owner's existing driveway a distance of approximately 500 feet then along a new gravel driveway extension an additional 100 feet to the cell site. Utility access would extend from existing service on the owner's property.



Base Map Source: USGS 7.5-Minute Topographic Maps, Glastonbury (1992) and Middle Haddam (1984)



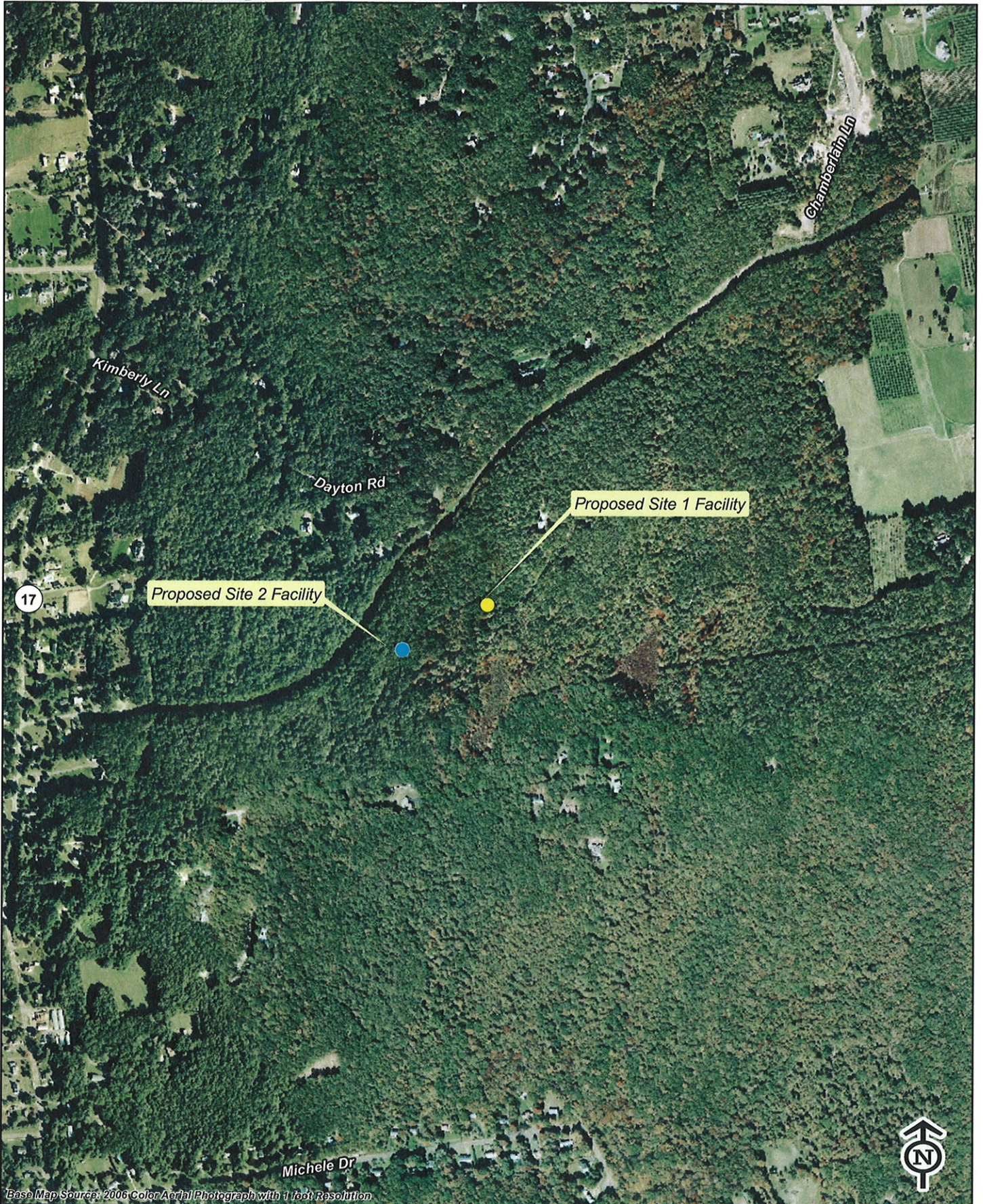
Vanasse Hangen Brustlin, Inc.

USGS Topographic Map
 Proposed Verizon Wireless
 Telecommunications Facility
 Two Candidate Sites
 Dayton Road
 Glastonbury, Connecticut



Quadrangle Location





Base Map Source: 2006 Color Aerial Photograph with 1 foot Resolution

Vanasse Hangen Brustlin, Inc.



**Aerial Photograph
 Proposed Verizon Wireless
 Telecommunications Facility
 Two Candidate Sites
 Dayton Road
 Glastonbury, Connecticut**



Quadrangle Location



SITE EVALUATION REPORT

SITE NAME: SITE 1 – 271 Dayton Road, South Glastonbury, CT

I. LOCATION

- A. COORDINATES: 41°-38'-45.507" N 72°-35'-40.075" W
- B. GROUND ELEVATION: Approximately 371.4± feet AMSL
- C. U.S.G.S. MAPS: Glastonbury, CT
- D. SITE ADDRESS: 271 Dayton Road, South Glastonbury, CT
- E. ZONING WITHIN 1/4 MILE OF SITE: Land within 1/4 mile of the cell site is zoned CR residential. Land use within a 1/4 mile is low-density residential.

II. DESCRIPTION

- A. SITE SIZE: 100' x 100' Leased Area
75' x 50' Site Compound
- B. LESSOR'S PARCEL: Approximately 13.7 acres
- C. TOWER TYPE/HEIGHT: 110' Monopole ("Tree") Tower. 117' to top of simulated branches.
- D. SITE TOPOGRAPHY AND SURFACE: The Site 1 Facility is located in the southerly portion of the 13.7 acre parcel. The parcel slopes gently up from west to east. Twenty (20) trees, 6 inches or greater diameter at breast height, would be removed to construct the Site 1 Facility and 100-foot driveway extension. Minimal grading of the Site 1 Facility compound and 100-foot gravel driveway extension would be required.
- E. SURROUNDING TERRAIN, VEGETATION, WETLANDS, OR WATER: The Site 1 Facility would be located in the southerly portion of the 13.7 acre parcel. Carriers will utilize the landowner's existing gravel driveway a distance of approximately 500 feet. A new 100-foot gravel driveway extension will also be constructed. A forested wetland was identified along the southerly property boundary approximately 40 feet south of the existing gravel driveway and 175 feet south of the Site 1 Facility. No improvements or changes are planned for the existing driveway. Therefore, no direct impacts will occur and no adverse wetland impacts will result from construction of the Site 1 Facility.

- F. LAND USE WITHIN 1/4 MILE OF SITE: The property is surrounded by low-density residential land uses. (See Aerial Photograph at p. 2).

III. FACILITIES

- A. POWER COMPANY: Connecticut Light and Power
- B. POWER PROXIMITY TO SITE: Approximately 80 feet to the north of the tower. (See Plan Sheet C-2).
- C. TELEPHONE COMPANY: AT&T
- D. PHONE SERVICE PROXIMITY: Same as power
- E. VEHICLE ACCESS TO SITE: Vehicle access to the site would extend along an existing gravel driveway servicing the property owner's residence from Dayton Road a distance of approximately 500 feet then over a new gravel driveway extension an additional distance of 100 feet to the Site 1 Facility.
- F. CLEARING AND FILL REQUIRED: Some tree clearing (20 trees greater than 6 inch diameter at breast height) and minimal site grading would be required for construction of the tower, site compound and access driveway. Detailed construction plans would be developed after approval of Site 1 by the Council.

IV. LEGAL

- A. PURCHASE [] LEASE [X]
- B. OWNER: Howard M. Schwager, Trustee
- C. ADDRESS: 271 Dayton Road, South Glastonbury, CT 06073
- D. DEED ON FILE AT: Town of Glastonbury, CT Land Records

Vol. 2348 Page 0268

FACILITIES AND EQUIPMENT SPECIFICATION
(NEW TOWER & EQUIPMENT BUILDING)

SITE NAME: SITE 1 – 271 Dayton Road, South Glastonbury, CT

I. TOWER SPECIFICATIONS:

- A. MANUFACTURER: To be determined
- B. TYPE: Self-supporting monopole – Tree tower
- C. TOWER HEIGHT: 110'
117' to top of tree branches
- D. DIMENSIONS: Approx. 55" base
Approx. 30" top

II. TOWER LOADING:

A. CELLCO EQUIPMENT:

- 1. Antennas (15)
 - Four Model LPA-185063/12CF_2 (71.1" x 6.6" x 5.8") PCS antenna
 - Two Model LPA-185080/12CF_2 (71.1" x 4.1" x 5.9") PCS antenna
 - Two Model LPA-80063/6CF_2 (70.9" x 15.0" x 13.1") Cellular antenna
 - Two Model LPA-80080/6CF (70.9" x 5.5" x 13.2") Cellular antenna
 - Two Model LPA-80063/6CF (70.9" x 15.0" x 13.1") Cellular antenna
 - Three Model BXA-70063/6CF_4 (71" x 11.2" x 4.5) LTE antenna
 - Antenna Centerline 110' AGL
- 2. GPS Antenna: Mounted on the top of the equipment shelter
- 3. Transmission Lines:
 - a. MFG/Model: Andrews LDF5-50A
 - b. Size: 1 5/8"

III. ENGINEERING ANALYSIS AND CERTIFICATION:

The towers will be designed in accordance with Electronic Industries Association Standard EIA/TIA-222-F "Structural Standards for Steel Antenna Towers and Antenna Support Structures." The foundation designs would be based on soil conditions at the site. Details for the towers and foundation designs will be provided as a part of the final D&M Plan.

ENVIRONMENTAL ASSESSMENT STATEMENT

SITE NAME: SITE 1 – 271 Dayton Road, South Glastonbury, CT

I. PHYSICAL IMPACT

A. WATER FLOW AND QUALITY

No water flow and/or water quality changes are anticipated as a result of the construction or operation of the Site 1 Facility. The closest wetland areas are located 175 feet south of the Site 1 Facility. The equipment associated with the Site 1 Facility will discharge no pollutants to surface or groundwater systems.

B. AIR QUALITY

Under ordinary operating conditions, the equipment that would be used at the site would emit no air pollutants of any kind. For limited periods during power outages and periodically for maintenance purposes, minor levels of emissions from Cellco's on-site generator would result.

Pursuant to R.C.S.A. § 22a-174-3, the on-site emergency back-up generator proposed as a part of this application would require the issuance of a Connecticut Department of Environmental Protection Air Bureau permit for potential emissions. Cellco would obtain this permit prior to installing the generator at the approved cell site.

C. LAND

Minimal tree clearing and grading will be required for the tower compound and the 100-foot portion of the access driveway extension. The remaining portions of the property would remain unchanged by the construction and operation of the Site 1 Facility. Twenty (20) trees, six inches or greater at breast height, would need to be removed to construct the Site 1 Facility.

D. NOISE

The equipment to be in operation at the Site 1 Facility after construction would emit no noise of any kind, except for operation of the installed heating, air conditioning and ventilation systems and occasional operation of a back-up generator which would be run during power failures and periodically for maintenance purposes. Some noise is anticipated during cell site construction, which is expected to take approximately four to six weeks.

E. POWER DENSITY

The worst-case calculation of power density for Cellco's cellular, PCS and LTE antennas at the 110-foot level at the Site 1 Facility would be 30.02% of the Standard.

F. VISIBILITY

See Site 1 Visual Resource Evaluation Report included as Attachment 11.

Cellco Partnership

d.b.a. **verizon** wireless

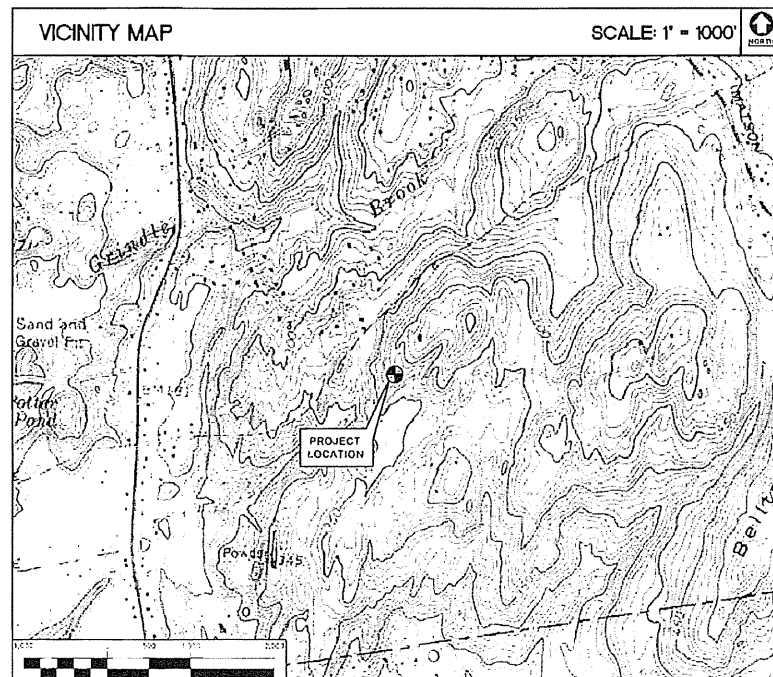
WIRELESS COMMUNICATIONS FACILITY

GLASTONBURY SOUTH 2
271 DAYTON ROAD
SOUTH GLASTONBURY, CT 06073

SITE DIRECTIONS	
FROM: 99 EAST RIVER DRIVE EAST HARTFORD, CONNECTICUT	TO: 271 DAYTON ROAD SOUTH GLASTONBURY, CONNECTICUT
1. Start out going NORTHEAST on E RIVER DRIVE	0.0 mi
2. Merge onto I-84 E/US-8 E via the ramp on the LEFT toward BOSTON	0.3 mi
3. Merge onto CT-2 E via EXIT 55 toward NORWICH/NEW LONDON	4.5 mi
4. Merge onto CT-17 S via EXIT 7 on the LEFT toward PORTLAND	4.9 mi
5. Turn SLIGHT LEFT onto DAYTON ROAD	0.6 mi
6. End at 271 Dayton Road, South Glastonbury, CT 06073	

GENERAL NOTES
1. PROPOSED ANTENNA LOCATIONS AND HEIGHTS PROVIDED BY CELCO PARTNERSHIP.

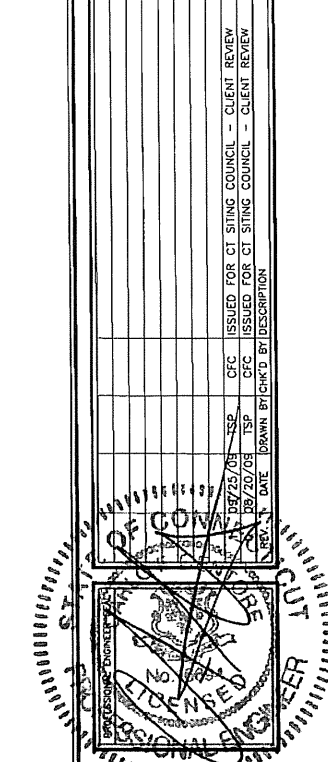
SITE INFORMATION
THE SCOPE OF WORK SHALL INCLUDE:
1. THE CONSTRUCTION OF A 75'x50' FENCED WIRELESS COMMUNICATIONS COMPOUND WITHIN A 100'x100' LEASE AREA.
2. A TOTAL OF FIFTEEN (15) DIRECTIONAL PANEL ANTENNAS ARE PROPOSED TO BE MOUNTED AT A CENTERLINE ELEVATION OF 110'-0"± AGL ON A 117' PROPOSED STEEL MONOPINE TOWER LOCATED CENTRALLY WITHIN THE PROPOSED COMPOUND.
3. TOTAL ACCESS DRIVE LENGTH IS 600'±. APPROXIMATELY 460' OF AN EXISTING DIRT/GRAVEL DRIVEWAY AND APPROXIMATELY 140' OF PROPOSED GRAVEL ACCESS DRIVE WILL BE UTILIZED FOR SITE ACCESS OFF OF DAYTON ROAD.
4. POWER AND TELCO UTILITIES SHALL BE ROUTED UNDERGROUND FROM EXISTING RESPECTIVE DEMARCS TO THE PROPOSED UTILITY BACKBOARD LOCATED ADJACENT TO THE PROPOSED FENCED COMPOUND. FINAL DEMARC LOCATION AND UTILITY ROUTING TO PROPOSED BACKBOARD WILL BE VERIFIED/DETERMINED BY LOCAL UTILITY COMPANIES. UTILITIES WILL BE ROUTED FROM UTILITY BACKBOARD TO THE PROPOSED NOMINAL 12'x30' WIRELESS EQUIPMENT SHELTER LOCATED WITHIN THE COMPOUND.
5. FINAL DESIGN FOR TOWER AND ANTENNA MOUNTS SHALL BE INCLUDED IN THE FINAL CONSTRUCTION DOCUMENTS.
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.
9. FOR ADDITIONAL NOTES AND DETAILS REFER TO THE ACCOMPANYING DRAWINGS.



PROJECT SUMMARY	
SITE NAME:	GLASTONBURY SOUTH 2
SITE ADDRESS:	271 DAYTON ROAD SOUTH GLASTONBURY, CT 06073
PROPERTY OWNER:	HOWARD SCHWAGER 271 DAYTON ROAD SOUTH GLASTONBURY, CT 06073
LESSEE/TENANT:	CELCO PARTNERSHIP d.b.a. VERIZON WIRELESS 99 EAST RIVER DRIVE EAST HARTFORD, CT 06108
CONTACT PERSON:	SANDY CARTER CELCO PARTNERSHIP (860) 603-8219
TOWER COORDINATES:	LATITUDE 41°-38'-45.507" LONGITUDE 72°-35'-40.075" GROUND ELEVATION: 371.4'± A.M.S.L. COORDINATES AND GROUND ELEVATION REFERENCED FROM FAA 2-C CERTIFICATION PREPARED BY MARTINEZ-COUCH & ASSOCIATES, LLC., DATED MAY 22, 2009

SHEET INDEX		
SHT. NO.	DESCRIPTION	REV. NO.
T-1	TITLE SHEET	1
C-1	ABUTTERS MAP	1
C-1A	PARTIAL SITE PLAN/GRADING PLAN	1
C-2	COMPOUND PLAN AND ELEVATION	1
C-3	SITE DETAILS AND NOTES	1
C-4	SITE DETAILS AND SHELTER ELEVATIONS	1
C-5	SHELTER FOUNDATION PLAN, DETAILS AND NOTES	1

DESIGNED BY: CFC
DRAWN BY: TSP
CHK'D BY: DMD

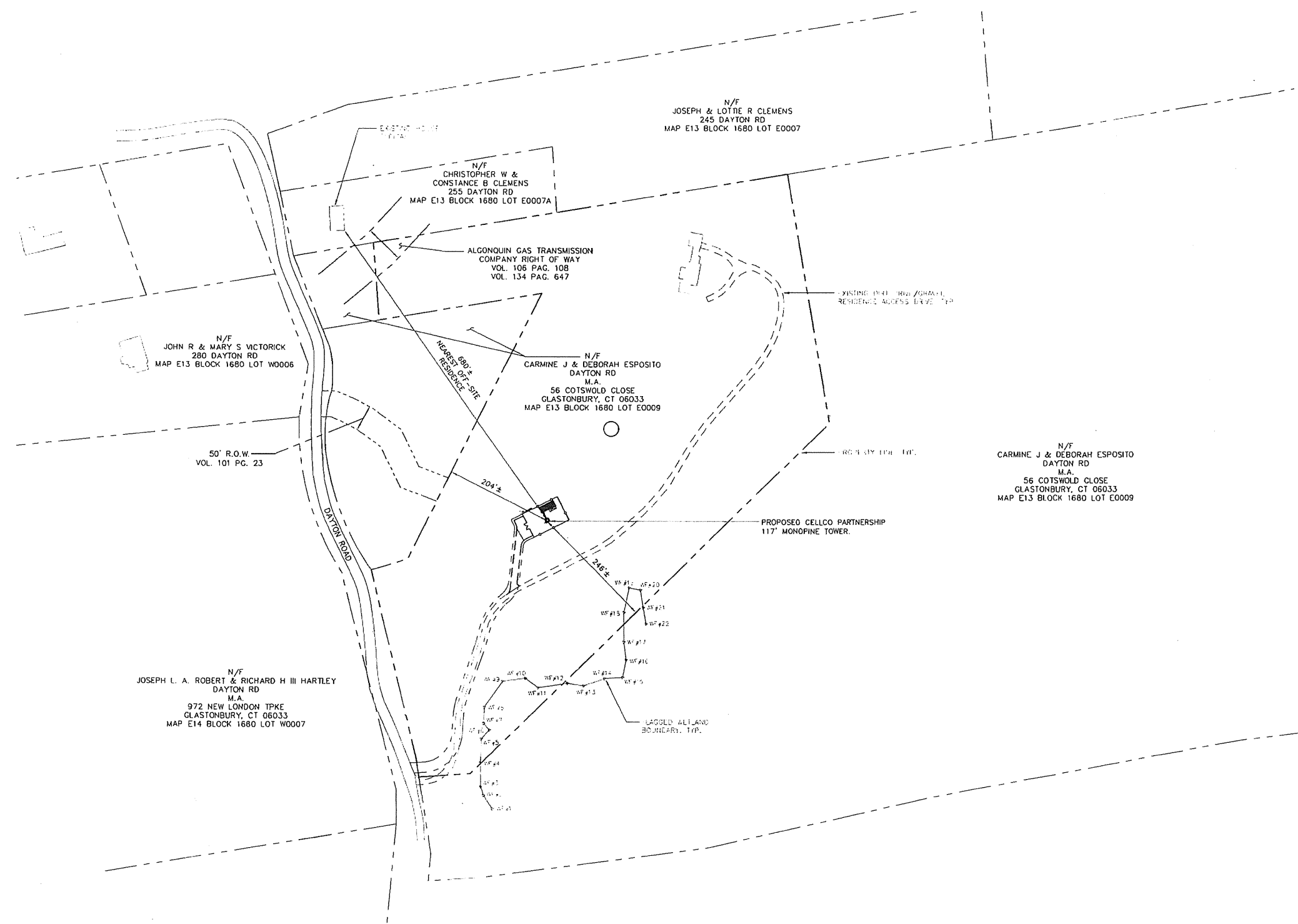
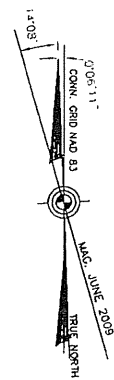


NATCOMM
CONSULTING ENGINEERS
P: 203.488.0560 F: 203.488.8587
E: nat-eng.com E: info@nat-eng.com
63-2 N. Branford Rd. Branford, CT 06405

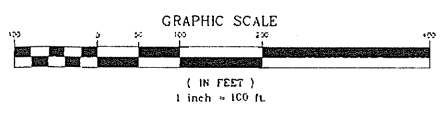
VERIZON WIRELESS
GLASTONBURY SOUTH 2
271 DAYTON ROAD
SOUTH GLASTONBURY, CT 06073

DATE: 08/20/09
SCALE: AS SHOWN
JOB NO. 09026

TITLE SHEET
SHEET NO.
T-1
Sheet No. 1 of 7



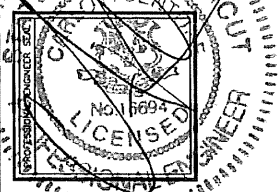
1 ABUTTERS MAP
C-1 SCALE: 1" = 100'



SYMBOLS LEGEND

	PROPERTY LINE
	EASEMENT LINE
	DIRT PATH (EXISTING)
	ACCESS DRIVE (PROPOSED)
	LEASE LINE (PROPOSED)
	WETLANDS BOUNDARY

DESIGNED BY:	CFC	
DRAWN BY:	TSP	
CHK'D BY:	DMD	
REV	DATE	DESCRIPTION
1	08/20/09	ISSUED FOR CT SITING COUNCIL - CLIENT REVIEW
2	08/25/09	ISSUED FOR CT SITING COUNCIL - CLIENT REVIEW
3	08/25/09	ISSUED FOR CT SITING COUNCIL - CLIENT REVIEW
4	08/25/09	ISSUED FOR CT SITING COUNCIL - CLIENT REVIEW
5	08/25/09	ISSUED FOR CT SITING COUNCIL - CLIENT REVIEW

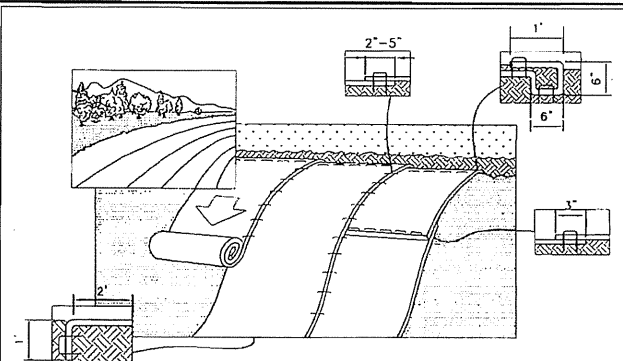


NATCOM
CONSULTING ENGINEERS
P: 203.488.0580 F: 203.488.8587
E: info@nat-eng.com
63-2 N. Branford Rd. Branford, CT 06405

VERIZON WIRELESS
GLASTONBURY SOUTH 2
271 DAYTON ROAD
SOUTH GLASTONBURY, CT 06073

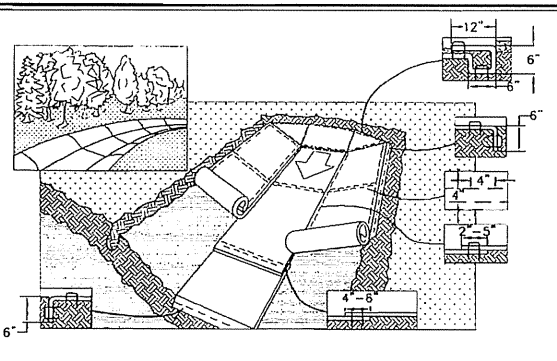
DATE: 08/20/09
SCALE: AS SHOWN
JOB NO. 09026

ABUTTERS MAP
SHEET NO.
C-1
Sheet No. 2 of 2



- SLOPE APPLICATIONS:**
- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
 - NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
 - BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
 - ROLL THE BLANKET DOWN OR HORIZONTALLY ACROSS THE SLOPE. BLANKET WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL ROLLED EROSION CONTROL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM(TM), STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
 - THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY A 2"- 5" OVERLAP DEPENDING ON BLANKET TYPE.
 - CONSECUTIVE ROLLED EROSION CONTROL BLANKET SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.
- * IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKET.
- THE EDGE OF THE BLANKET IS TO EXTEND A MINIMUM 24 INCHES BEYOND THE TOE OF THE SLOPE AND ANCHORED BY PLACING THE STAPLES/STAKES IN A 12 INCH DEEP X 6 INCH WIDE ANCHOR TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12 INCH APART IN THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING (STONE OR SOIL MAY BE USED AS BACKFILL).
 - REFER TO MANUFACTURERS STAPLE GUIDE FOR CORRECT STAPLE PATTERN. MINIMUM 4 SPIKES PER ONE SQ. FT.

THE CONTRACTOR SHALL MAINTAIN THE BLANKET UNTIL ALL WORK ON THE CONTRACT HAS BEEN COMPLETED AND ACCEPTED. MAINTENANCE SHALL CONSIST OF THE REPAIR OF AREAS WHERE DAMAGED BY ANY CAUSE. ALL DAMAGED AREAS SHALL BE REPAIRED TO RE-ESTABLISH THE CONDITIONS AND GRADE OF THE SOIL PRIOR TO APPLICATION OF THE COVERING AND SHALL BE RE-FERTILIZED, RESEED, AND REMULCHED AS DIRECTED.



- CHANNEL APPLICATIONS:**
- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
 - BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
 - ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM(TM), STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
 - PLACE CONSECUTIVE BLANKETS END OVER END (SHINGLE STYLE) WITH A 4"-6" OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER TO SECURE BLANKETS.
 - FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
 - ADJACENT BLANKETS MUST BE OVERLAPPED APPROXIMATELY 2"- 5" AND STAPLED TO ENSURE PROPER SEAM ALIGNMENT. PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH(TM) ON THE BLANKET BEING OVERLAPPED.
 - THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
 - REFER TO MANUFACTURERS STAPLE GUIDE FOR CORRECT STAPLE PATTERN. MINIMUM 4 SPIKES PER ONE SQ. FT. THE CONTRACTOR SHALL MAINTAIN THE BLANKET UNTIL ALL WORK ON THE CONTRACT HAS BEEN COMPLETED AND ACCEPTED. MAINTENANCE SHALL CONSIST OF THE REPAIR OF AREAS WHERE DAMAGED BY ANY CAUSE. ALL DAMAGED AREAS SHALL BE REPAIRED TO REESTABLISH THE CONDITIONS AND GRADE OF THE SOIL PRIOR TO APPLICATION OF THE COVERING AND SHALL BE RE-FERTILIZED, RESEED, AND REMULCHED AS DIRECTED.

GENERAL CONSTRUCTION SEQUENCE

THIS IS A GENERAL CONSTRUCTION SEQUENCE OUTLINE SOME ITEMS OF WHICH MAY NOT APPLY TO PARTICULAR SITES.

- CUT AND STUMP AREAS OF PROPOSED CONSTRUCTION.
- INSTALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES AS REQUIRED.
- REMOVE AND STOCKPILE TOPSOIL. STOCKPILE SHALL BE SEEDED TO PREVENT EROSION.
- CONSTRUCT CLOSED DRAINAGE SYSTEM. PRECEPT CULVERT INLETS AND CATCH BASINS WITH SEDIMENTATION BARRIERS.
- CONSTRUCT ROADWAYS AND PERFORM SITE GRADING, PLACING HAY BALES AND SILTATION FENCES AS REQUIRED TO CONTROL SOIL EROSION.
- INSTALL UNDERGROUND UTILITIES.
- BEGIN TEMPORARY AND PERMANENT SEEDING AND MULCHING. ALL CUT AND FILL SLOPES SHALL BE SEEDED OR MULCHED IMMEDIATELY AFTER THEIR CONSTRUCTION. NO AREA SHALL BE LEFT UNSTABILIZED FOR A TIME PERIOD OF MORE THAN 30 DAYS.
- DAILY, OR AS REQUIRED, CONSTRUCT, INSPECT, AND IF NECESSARY, RECONSTRUCT TEMPORARY BERMS, DRAINS, DITCHES, SILT FENCES AND SEDIMENT TRAPS INCLUDING MULCHING AND SEEDING.
- BEGIN EXCAVATION FOR AND CONSTRUCTION OF TOWERS AND PLATFORMS.
- FINISH PAVING ALL ROADWAYS, DRIVES, AND PARKING AREAS.
- COMPLETE PERMANENT SEEDING AND LANDSCAPING.
- NO FLOW SHALL BE DIVERTED TO ANY WETLANDS UNTIL A HEALTHY STAND OF GRASS HAS BEEN ESTABLISHED IN RECARDED AREAS.
- AFTER GRASS HAS BEEN FULLY GERMINATED IN ALL SEEDED AREAS, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES.

CONSTRUCTION SPECIFICATIONS - SILT FENCE

- THE GEOTEXTILE FABRIC SHALL MEET THE DESIGN CRITERIA FOR SILT FENCES.
- THE FABRIC SHALL BE EMBEDDED A MINIMUM OF 8 INCHES INTO THE GROUND AND THE SOIL COMPACTED OVER THE EMBEDDED FABRIC.
- WOVEN WIRE FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH SHALL BE FASTENED SECURELY TO THE WOVEN WIRE FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP, MID-SECTION AND BOTTOM.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED.
- FENCE POSTS SHALL BE A MINIMUM OF 36 INCHES LONG AND DRIVEN A MINIMUM OF 16 INCHES INTO THE GROUND. WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD AND SHALL HAVE A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQUARE INCHES.

MAINTENANCE SHALL BE PERFORMED AS NEEDED TO PREVENT BUILD UP IN THE SILT FENCE DUE TO DEPOSITION OF SEDIMENT.

SOIL EROSION AND SEDIMENT CONTROL SEQUENCE

- ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES, SUCH AS CONSTRUCTION ENTRANCE / ANTI TRACKING PAD, SILTATION FENCE, AND SILTATION FENCE / HAY BALE SHALL BE IN PLACE PRIOR TO ANY GRADING ACTIVITY. INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES. MEASURES SHALL BE LEFT IN PLACE AND MAINTAINED UNTIL CONSTRUCTION IS COMPLETED AND/OR AREA IS STABILIZED.
- THE ENTRANCE TO THE PROJECT SITE IS TO BE PROTECTED BY STONE ANTI TRACKING PAD OF ASTM C-33, SIZE NO. 2 OR 3, OR D.O.T. 2" CRUSHED GRAVEL. THE STONE ANTI TRACKING PAD IS TO BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION PERIOD.
- LAND DISTURBANCE WILL BE KEPT TO A MINIMUM AND RESTABILIZATIONS WILL BE SCHEDULED AS SOON AS PRACTICAL.
- ALL SOIL EROSION AND SEDIMENT CONTROL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL INCLUDING THE LATEST DATE FROM THE COUNCIL ON SOIL AND WATER CONSERVATION.
- ANY ADDITIONAL EROSION/SEDIMENTATION CONTROL DEEMED NECESSARY BY TOWN STAFF DURING CONSTRUCTION, SHALL BE INSTALLED BY THE DEVELOPER. IN ADDITION, THE DEVELOPER SHALL BE RESPONSIBLE FOR THE REPAIR/REPLACEMENT/MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL ALL DISTURBED AREAS ARE STABILIZED TO THE SATISFACTION OF THE TOWN STAFF.
- IN ALL AREAS, REMOVAL OF TREES, BUSHES AND OTHER VEGETATION AS WELL AS DISTURBANCE OF THE SOIL IS TO BE KEPT TO AN ABSOLUTE MINIMUM WHILE ALLOWING PROPER DEVELOPMENT OF THE SITE. DURING CONSTRUCTION, EXPOSE AS SMALL AN AREA OF SOIL AS POSSIBLE FOR AS SHORT A TIME AS POSSIBLE.
- SILTATION FENCE SHALL BE PLACED AS INDICATED BEFORE A CUT SLOPE HAS BEEN CREATED. SEDIMENT DEPOSITS SHOULD BE PERIODICALLY REMOVED FROM THE UPSTREAM SIDES OF SILTATION FENCE. THIS MATERIAL IS TO BE SPREAD AND STABILIZED IN AREAS NOT SUBJECT TO EROSION, OR TO BE USED IN AREAS WHICH ARE NOT TO BE PAVED OR BUILT ON. SILTATION FENCE IS TO BE REPLACED AS NECESSARY TO PROVIDE PROPER FILTERING ACTION. THE FENCE IS TO REMAIN IN PLACE AND BE MAINTAINED TO INSURE EFFICIENT SILTATION CONTROL. UNTIL ALL AREAS ABOVE THE EROSION CHECKS ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED.
- SWALE DISCHARGE AREA WILL BE PROTECTED WITH RIP RAP SPLASH PAD/ ENERGY DISSIPATER.
- ALL FILL AREAS SHALL BE COMPACTED SUFFICIENTLY FOR THEIR INTENDED PURPOSE AND AS REQUIRED TO REDUCE SLIPPING, EROSION OR EXCESS SATURATION.
- THE SOIL SHALL NOT BE PLACED WHILE IN A FROZEN OR MUDDY CONDITION. WHEN THE SUBGRADE IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING OR PROPOSED SOODING OR SEEDING.
- AFTER CONSTRUCTION IS COMPLETE AND GROUND IS STABLE, REMOVE SILTS IN THE RIP RAP ENERGY DISSIPATERS. REMOVE OTHER EROSION AND SEDIMENT DEVICES.

RIP RAP SLOPES

SUBGRADE PREPARATION

PREPARE THE SUBGRADE FOR RIP RAP BEDDING. FILTER OR GEOTEXTILE TO THE REQUIRED LINES AND GRADES. COMPACT ANY FILL REQUIRED IN THE SUBGRADE IN 12-INCHES LIFTS TO 95% OF STANDARD PROCTOR DENSITY. REMOVE BRUSH, TREES, STUMPS, AND OTHER OBJECTIONABLE MATERIAL.

FILTER BLANKET OR BEDDING

IMMEDIATELY AFTER SLOPE PREPARATION, INSTALL THE FILTER OR BEDDING MATERIALS. SPREAD THE FILTER OR BEDDING MATERIALS IN A UNIFORM LAYER TO THE SPECIFIED DEPTH.

STONE PLACEMENT

IMMEDIATELY AFTER PLACEMENT OF THE FILTER BLANKET, BEDDING, PLACE THE RIP RAP TO ITS FULL COURSE THICKNESS IN ONE OPERATION SO THAT IT PRODUCES A DENSE WELL GRADED MASS OF STONE WITH A MINIMUM OF VOIDS. THE DESIRED DISTRIBUTION OF STONES THROUGHOUT THE MASS MAY BE OBTAINED BY SELECTIVE LOADING AT THE QUARRY, CONTROLLED DUMPING OF SUCCESSIVE LOADS DURING THE FINAL PLACING, OR BY A COMBINATION OF THESE METHODS. DO NOT PLACE RIP RAP IN LAYERS OR USE CHUTES OR SIMILAR METHODS TO DUMP THE RIP RAP WHICH ARE LIKELY TO CAUSE SEGREGATION OF THE VARIOUS STONES.

TAKE CARE NOT TO DISLodge THE UNDERLYING MATERIAL WHEN PLACING THE STONES. WHEN PLACING RIP RAP ON A FILTER FABRIC TAKE CARE NOT TO DAMAGE THE FABRIC. IF DAMAGE OCCURS, REMOVE AND REPLACE THE DAMAGED SHEET. FOR LARGE STONE, 12 INCHES OR GREATER, USE A 6 INCH LAYER OF FILTER OR BEDDING MATERIAL TO PREVENT DAMAGE TO THE MATERIAL FROM PUNCTURE.

ENSURE THE FINISHED SLOPE IS FREE OF POCKETS OF SMALL STONES OR CLUSTERS OF LARGE STONES. HAND PLACING MAY BE NECESSARY TO ACHIEVE THE REQUIRED GRADE AND A GOOD DISTRIBUTION OF STONE SIZES. ENSURE THE FINAL THICKNESS OF THE RIP RAP BLANKET IS WITHIN PLUS OR MINUS 0.25 OF THE SPECIFIED THICKNESS.

MAINTENANCE

INSPECTED PERIODICALLY TO DETERMINE IF HIGH FLOWS HAVE CAUSED SCOUR BENEATH THE RIP RAP OR FILTER BLANKET MATERIALS. REMOVE TREES THAT DEVELOP IN THE PROTECTED SLOPES.

MATERIALS TO BE MAINTAINED ON SITE FOR IMMEDIATE USE

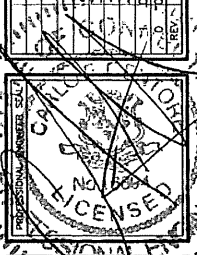
100 LF. SILT FENCE ON POST;
SLEDGE HAMMER;
3 SHOVELS;
5 SILT BAGS;
10 TONS OF RIP RAP;
500 SQ.FT. OF EROSION MAT / BLANKET WITH STAPLES;
DIGITAL CAMERA;
REPORT BOOK.

MAINTENANCE - SILT FENCE

- SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
- IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
- SEDIMENT SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACHED APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
- SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

DESIGNED BY: CFC
DRAWN BY: TSP
CHK'D BY: DMD

ISSUED FOR CT SILING COUNCIL - CLIENT REVIEW	CFC	10/25/09	TSP
ISSUED FOR CT SILING COUNCIL - CLIENT REVIEW	CFC	10/27/09	TSP
ISSUED FOR CT SILING COUNCIL - CLIENT REVIEW	CFC	10/27/09	TSP
ISSUED FOR CT SILING COUNCIL - CLIENT REVIEW	CFC	10/27/09	TSP
ISSUED FOR CT SILING COUNCIL - CLIENT REVIEW	CFC	10/27/09	TSP
ISSUED FOR CT SILING COUNCIL - CLIENT REVIEW	CFC	10/27/09	TSP
ISSUED FOR CT SILING COUNCIL - CLIENT REVIEW	CFC	10/27/09	TSP
ISSUED FOR CT SILING COUNCIL - CLIENT REVIEW	CFC	10/27/09	TSP
ISSUED FOR CT SILING COUNCIL - CLIENT REVIEW	CFC	10/27/09	TSP
ISSUED FOR CT SILING COUNCIL - CLIENT REVIEW	CFC	10/27/09	TSP



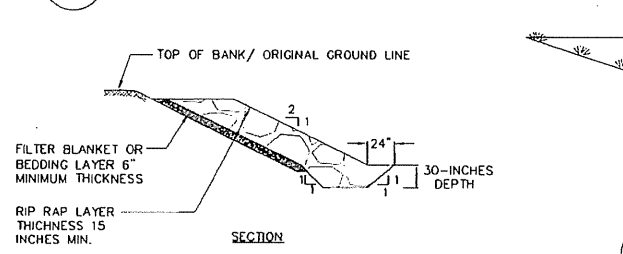
NATCOM
CONSULTING ENGINEERS
P: 203.486.0590 F: 203.486.8587
E: nat-eng.com e: info@nat-eng.com
83-2 N. Branford Rd., Branford, CT 06405

VERIZON WIRELESS
GLASTONBURY SOUTH 2
271 DAYTON ROAD
SOUTH GLASTONBURY, CT 06073

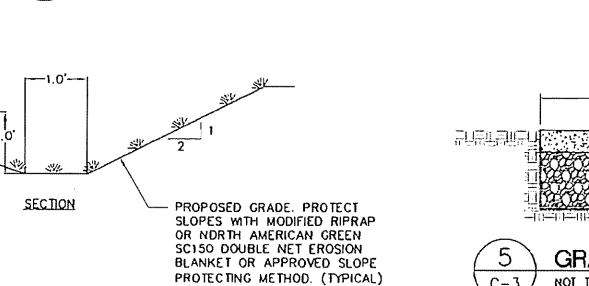
DATE: 08/20/09
SCALE: AS SHOWN
JOB NO. 09026

SITE DETAILS AND NOTES
SHEET NO.
C-3
Sheet No. 5 of 7

1 TYPICAL REINFORCEMENT BLANKET INSTALLATION ON SLOPE
C-3 NOT TO SCALE



2 TYPICAL REINFORCEMENT BLANKET INSTALLATION IN CHANNEL
C-3 NOT TO SCALE



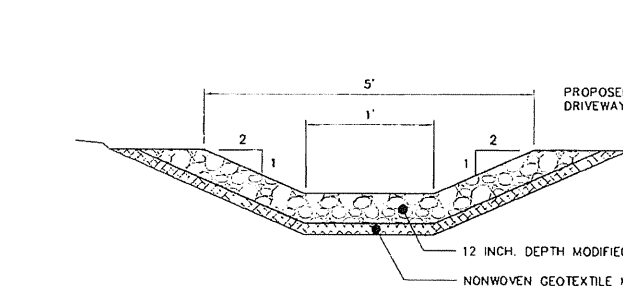
4 GRASS SWALE
C-3 NOT TO SCALE (TYPICAL)



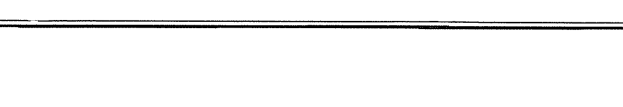
MODIFIED RIP RAP SIZES

STONE SIZE	% OF MASS
10" AND OVER	0
6" TO 10"	30-50
4" TO 6"	30-50
2" TO 4"	20-30
1" TO 2"	10-20
LEES THAN 1"	0-10

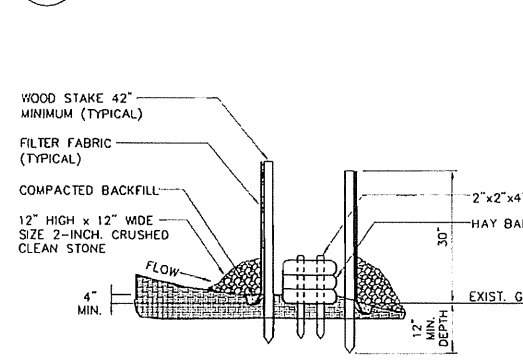
3 RIP RAP SLOPE
C-3 NOT TO SCALE



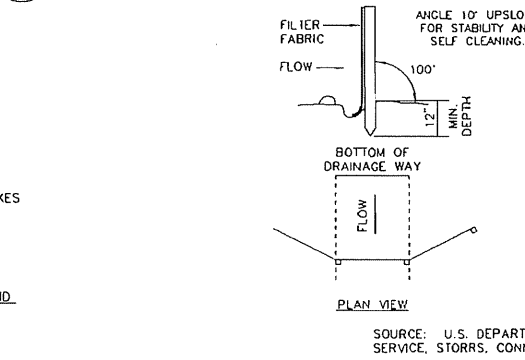
7 RIP RAP SWALE
C-3 NOT TO SCALE (TYPICAL)



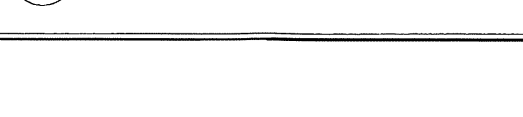
5 GRAVEL PARKING SURFACE
C-3 NOT TO SCALE



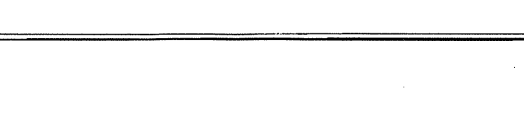
6 BITUMINOUS CONCRETE DRIVEWAY SECTION
C-3 NOT TO SCALE



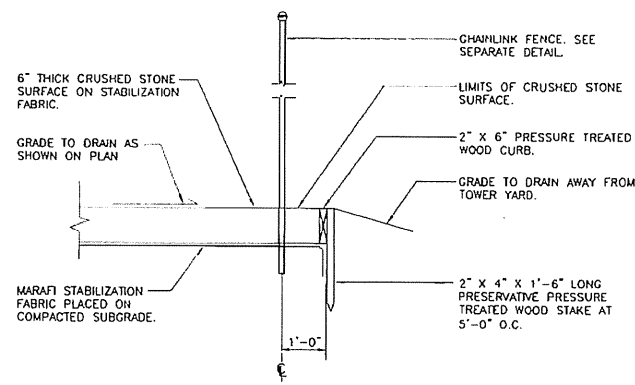
8 SILTATION FENCE/HAY BALE SILTATION FENCE 'SANDWICH' EROSION CONTROL
C-3 NOT TO SCALE



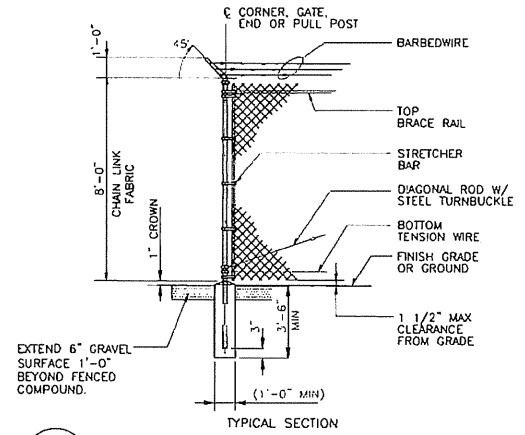
9 PLACEMENT AND CONSTRUCTION SILTATION FENCE
C-3 NOT TO SCALE



SOURCE: U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, STORRS, CONNECTICUT

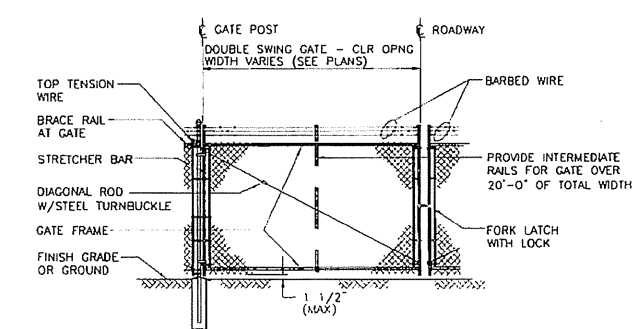


1 COMPOUND SURFACING DETAIL
C-4 NOT TO SCALE

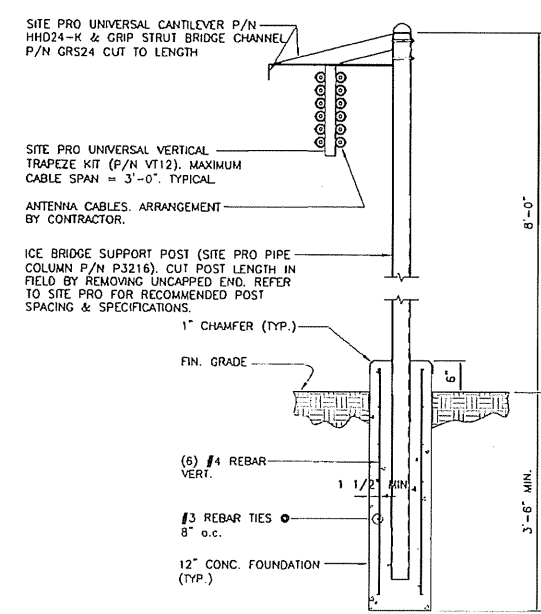


2 WOVEN WIRE FENCE DETAIL
C-4 NOT TO SCALE

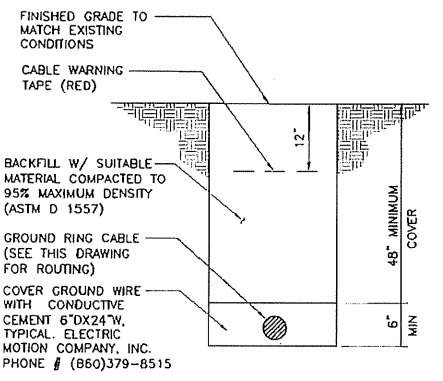
- WOVEN WIRE FENCE NOTES**
- GATE POST, CORNER, TERMINAL OR PULL POST 1 1/2" Ø SCHEDULE 40 FOR GATE WIDTHS UP THRU 6 FEET OR 12 FEET FOR DOUBLE SWING GATE PER ASTM-F10B3.
 - LINE POST: 2" Ø SCHEDULE 40 PIPE PER ASTM-F10B3.
 - GATE FRAME: 1 1/2" Ø SCHEDULE 40 PIPE PER ASTM-F10B3.
 - TOP RAIL & BRACE RAIL: 1 1/2" Ø SCHEDULE 40 PIPE PER ASTM-F10B3.
 - FABRIC: 12 GA. CORE WIRE SIZE 2" 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 = 8' VERTICAL + 1' BARBED WIRE VERTICAL DIMENSION.



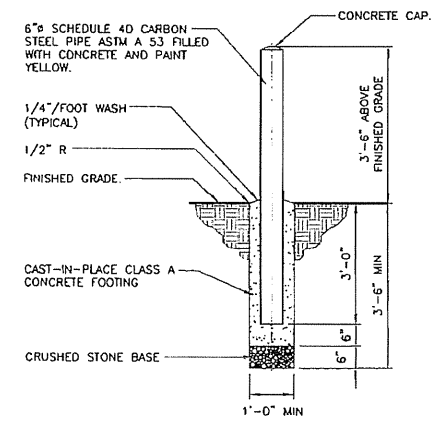
2A WOVEN WIRE SWING GATE-DOUBLE
C-4 NOT TO SCALE



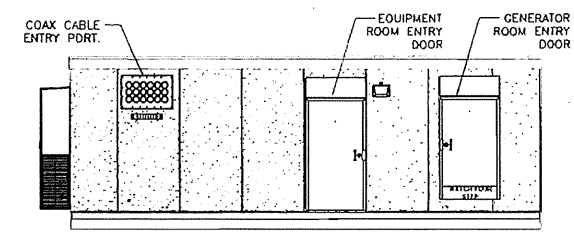
3 ICE BRIDGE DETAIL
C-4 NOT TO SCALE



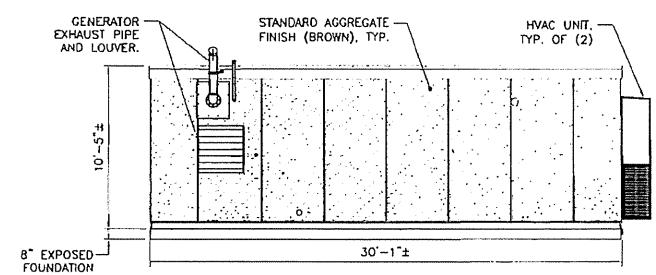
4 TYPICAL BURIAL GROUND CABLE DETAIL
C-4 NOT TO SCALE



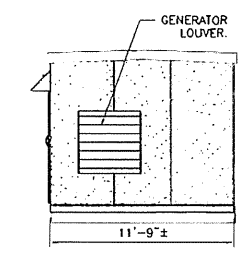
5 BOLLARD DETAIL
C-4 NOT TO SCALE



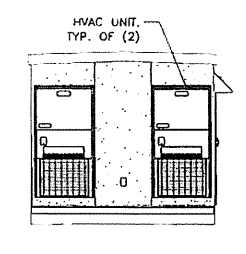
9 SOUTH SHELTER ELEVATION
C-4 SCALE: 3/16" = 1'-0"



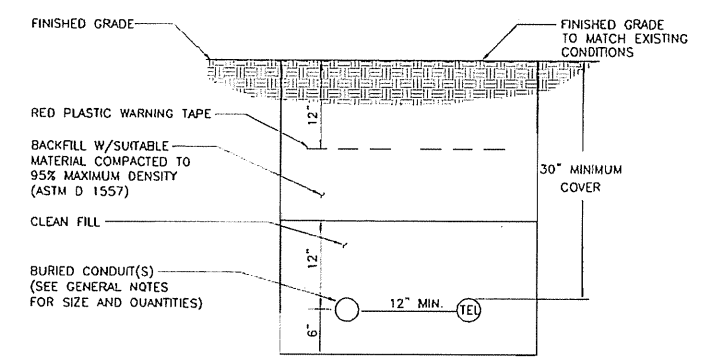
10 NORTH SHELTER ELEVATION
C-4 SCALE: 3/16" = 1'-0"



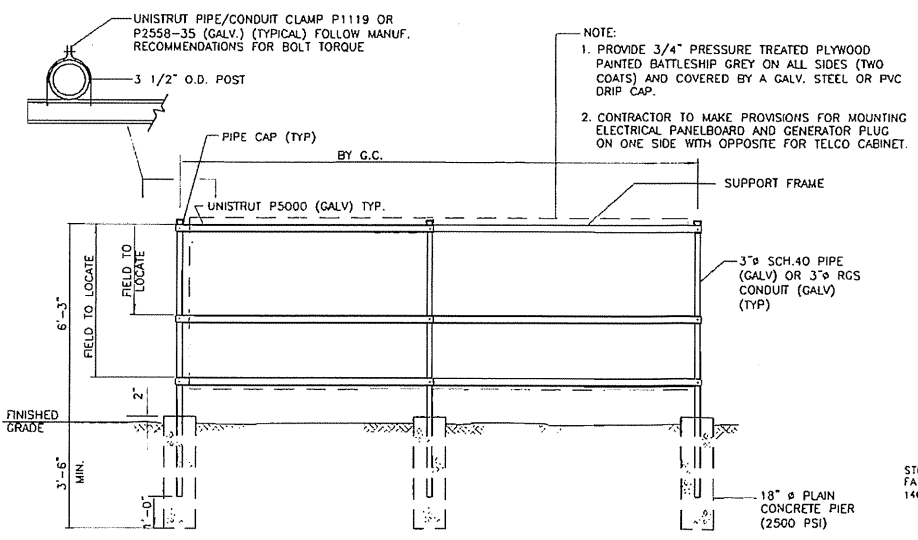
11 EAST SHELTER ELEVATION
C-4 SCALE: 3/16" = 1'-0"



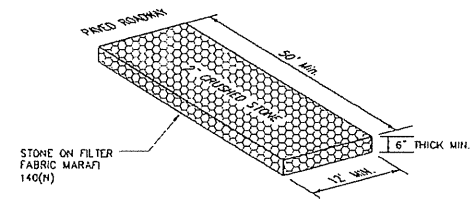
12 WEST SHELTER ELEVATION
C-4 SCALE: 3/16" = 1'-0"



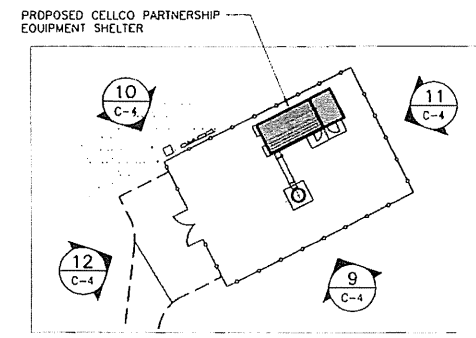
6 TYPICAL ELECTRICAL/TEL TRENCH DETAIL
C-4 NOT TO SCALE



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



8 CONSTRUCTION ENTRANCE
C-4 NOT TO SCALE



SHELTER ELEVATION KEY PLAN
NOT TO SCALE

DESIGNED BY: CFC
DRAWN BY: TSP
CHK'D BY: DMD

ISSUED FOR CT SITING COUNCIL - CLIENT REVIEW
ISSUED FOR CT SITING COUNCIL - CLIENT REVIEW
DATE: 08/20/09
DATE: 08/20/09
DATE: 08/20/09

STA. 63-2 N. BRANFORD RD. BRANFORD, CT 06405

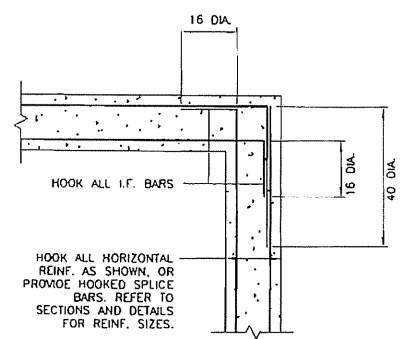
NATCOM
CONSULTING ENGINEERS
P: 203.488.0580 F: 203.488.8587
W: nat-eng.com E: info@nat-eng.com

VERIZON WIRELESS
GLASTONBURY SOUTH 2
271 DAYTON ROAD
SOUTH GLASTONBURY, CT 06073

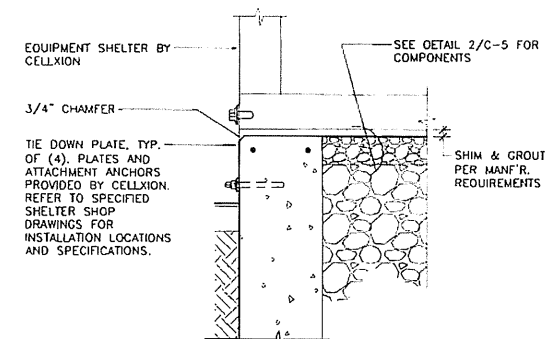
DATE: 08/20/09
SCALE: AS SHOWN
JOB NO. 09026

SITE DETAILS AND SHELTER ELEVATIONS

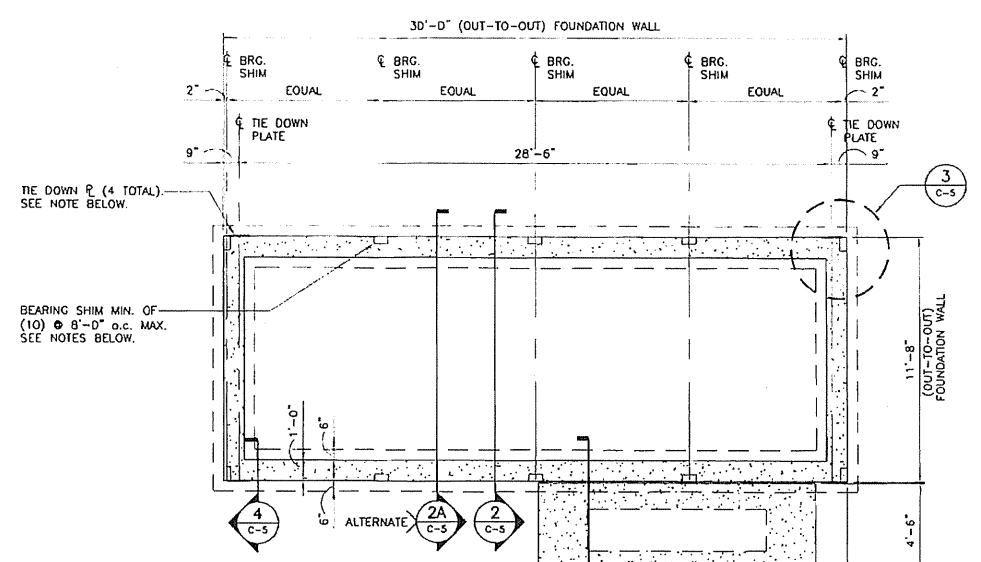
SHEET NO. **C-4**
Sheet No. 6 of 7



3 PLAN DETAIL
C-5 NOT TO SCALE



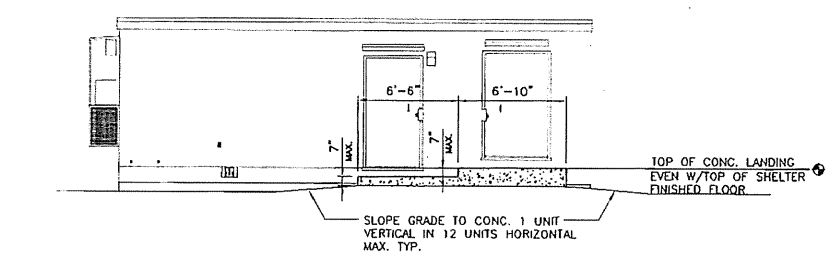
4 BUILDING TIE DOWN
C-5 SCALE: 1"=1'-0"



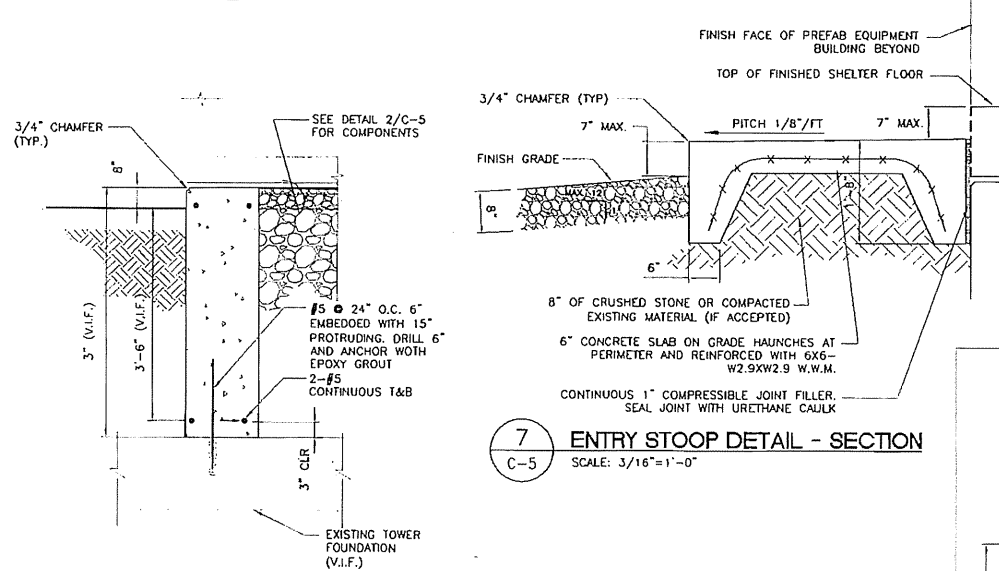
NOTES:

1. BEARING SHIMS, TIE-DOWN PLATES AND ASSOCIATED INSTALLATION ANCHORS PROVIDED BY CELLXION. CONTRACTOR SHALL VERIFY ALL SHIM & TIE-DOWN QUANTITIES AND LOCATIONS WITH CELLXION PRIOR TO PERFORMING FOUNDATION WORK.
2. SLAB/ TOP OF WALL TOLERANCE IS 1/4"±
3. TOP 8" OF FOUNDATION SIDES MUST BE FORMED FLAT TO ACCEPT TIE-DOWN PLATES.

1 FOUNDATION PLAN
C-5 SCALE: 1/4"=1'-0"



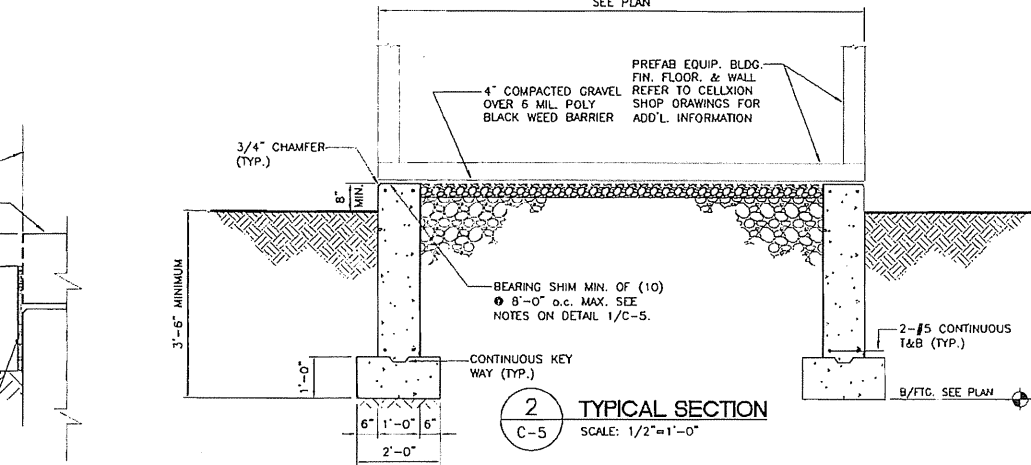
5 ENTRY STOOP DETAIL - ELEVATION
C-5 SCALE: 3/16"=1'-0"



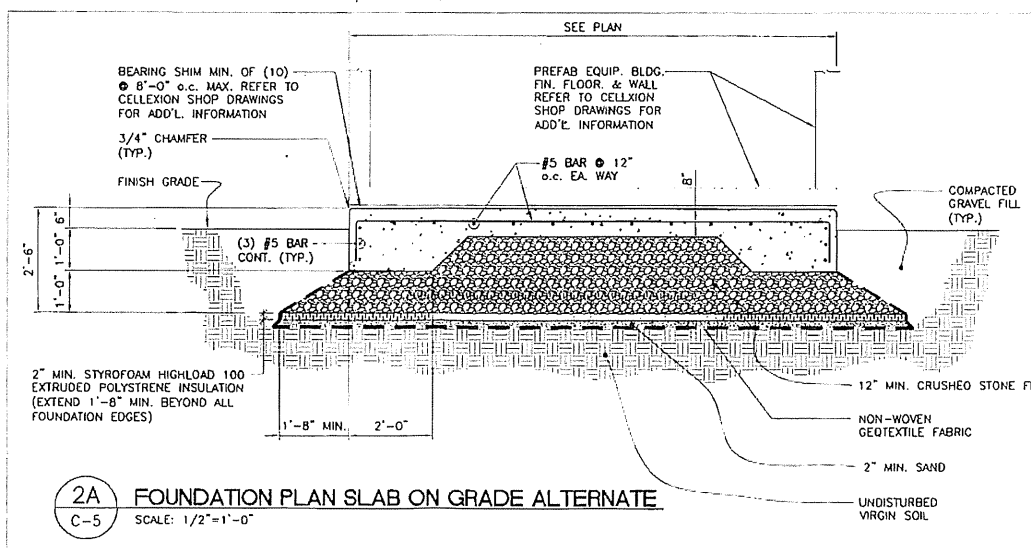
7 ENTRY STOOP DETAIL - SECTION
C-5 SCALE: 3/16"=1'-0"

6 FOUNDATION OVER TOWER FOUNDATION
C-5 SCALE: 3/4"=1'-0"

EQUIPMENT SHELTER BY CELLXION. VERIFY ALL SHELTER DIMENSIONS, EQUIPMENT DIMENSIONS, EQUIPMENT LOCATIONS AND UTILITY OPENINGS WITH BUILDING SHOP DRAWINGS PRIOR TO COMMENCEMENT OF WORK.



2 TYPICAL SECTION
C-5 SCALE: 1/2"=1'-0"



2A FOUNDATION PLAN SLAB ON GRADE ALTERNATE
C-5 SCALE: 1/2"=1'-0"

FOUNDATION NOTES:

1. IF ANY FIELD CONDITIONS EXIST WHICH PRECLUDE COMPLIANCE WITH THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND SHALL NOT PROCEED WITH ANY AFFECTED WORK.
2. DIMENSIONS AND DETAILS SHALL BE CHECKED AGAINST THE PRE MANUFACTURED EQUIPMENT BUILDING SHOP DRAWINGS.
3. THE CONTRACTOR SHALL VERIFY AND COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS, SLEEVES AND ANCHOR BOLTS AS REQUIRED BY ALL TRADES.
4. REFER TO DRAWING T1 FOR ADDITIONAL NOTES AND REQUIREMENTS.

SITE NOTES:

1. THE CONTRACTOR SHALL CALL UTILITIES PRIOR TO THE START OF CONSTRUCTION.
2. ACTIVE EXISTING UTILITIES, WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY, PRIOR TO PROCEEDING, SHOULD ANY UNCOVERED EXISTING UTILITY PRECLUDE COMPLETION OF THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
3. ALL RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED OFF SITE AND BE LEGALLY DISPOSED, AT NO ADDITIONAL COST.
4. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE EQUIPMENT AND TOWER AREAS.
5. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
6. THE SUBGRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
7. THE AREAS OF THE COMPOUND DISTURBED BY THE WORK SHALL BE RETURNED TO THEIR ORIGINAL CONDITION.
8. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
9. IF ANY FIELD CONDITIONS EXIST WHICH PRECLUDE COMPLIANCE WITH THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND SHALL PROCEED WITH AFFECTED WORK AFTER CONFLICT IS SATISFACTORILY RESOLVED.
10. DIMENSIONS AND DETAILS SHALL BE CHECKED AGAINST THE PRE MANUFACTURED EQUIPMENT BUILDING SHOP DRAWINGS.
11. THE CONTRACTOR SHALL VERIFY AND COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS, SLEEVES AND ANCHOR BOLTS AS REQUIRED BY ALL TRADES.

COMPACTED GRAVEL FILL:

1. COMPACTED GRAVEL FILL SHALL BE FURNISHED AND PLACED AS A FOUNDATION FOR STRUCTURES, WHERE SHOWN ON THE CONTRACT DRAWINGS OR DIRECTED BY THE ENGINEER.
2. GRAVEL SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE M.02.02 OF THE CONNECTICUT D.O.T. STANDARD SPECIFICATIONS. ADMIXTURES AND SURFACE PROTECTIVE MATERIALS USED TO PREVENT THE GRAVEL FROM FREEZING MUST MEET THE APPROVAL OF THE ENGINEER. THE LARGEST STONE SIZE SHALL BE 3-1/2 INCHES.
3. SAMPLES OF THE MATERIAL TO BE USED SHALL BE DELIVERED TO THE JOB SITE 5 DAYS PRIOR TO ITS INTENDED USE SO IT MAY BE TESTED FOR APPROVAL.
4. AFTER ALL EXCAVATION HAS BEEN COMPLETED, GRAVEL SHALL BE DEPOSITED IN LAYERS NOT EXCEEDING EIGHT (8) INCHES IN DEPTH OVER THE AREAS. IN EXCEPTIONAL CASES, THE ENGINEER MAY PERMIT THE FIRST LAYER TO BE THICKER THAN EIGHT (8) INCHES. EACH LAYER SHALL BE LEVELED OFF BY SUITABLE EQUIPMENT. THE ENTIRE AREA OF EACH LAYER SHALL BE COMPACTED BY USE OF APPROVED VIBRATORY, PNEUMATIC-TIRED OR TREAD-TYPE COMPACTION EQUIPMENT. COMPACTION SHALL BE CONTINUED UNTIL THE DRY DENSITY OVER THE ENTIRE AREA OF EACH LAYER IS NOT LESS THAN 95 PERCENT OF THE MAXIMUM DRY DENSITY ACHIEVED BY AASHTO T-99 METHOD C. THE MOISTURE CONTENT OF THE GRAVEL SHALL NOT VARY BY MORE THAN 3% FROM ITS OPTIMUM MOISTURE CONTENT. NO SUBSEQUENT LAYER SHALL BE DEPOSITED UNTIL THE SPECIFIED COMPACTION IS ACHIEVED FOR THE PREVIOUS LAYER. IF NECESSARY TO OBTAIN THE REQUIRED COMPACTION, WATER SHALL BE ADDED AND GENTLE PUDDLING PERFORMED IF AUTHORIZED. COMPACTED GRAVEL FILL SHALL BE PREVENTED FROM FREEZING BY USE OF APPROVED ADMIXTURES OR BY USE OF APPROVED PROTECTIVE MATERIALS ON THE SURFACE, OR BOTH.

CONCRETE AND REINFORCING STEEL NOTES:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318.
2. ALL CONCRETE SHALL BE NORMAL WEIGHT, 6% AIR ENTRAINED WITH A MAXIMUM SLUMP OF 4", AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
3. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, DEFORMED BARS. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 WELDED STEEL WIRE FABRIC. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD UNLESS OTHERWISE INDICATED.
4. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS OTHERWISE NOTED ON THE DRAWINGS:
 CONCRETE CAST AGAINST EARTH.....3 IN.
 CONCRETE EXPOSED TO EARTH OR WEATHER:
 #6 AND LARGER.....2 IN.
 #5 AND SMALLER & WWF.....1 1/2 IN.
 CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:
 SLAB AND WALL.....3/4 IN.
 BEAMS AND COLUMNS.....1 1/2 IN.
5. ALL EXPOSED EDGES OF CONCRETE TO RECEIVE A 3/4" CHAMFER IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
6. CONCRETE EQUIPMENT PAD TO RECEIVE A BRUSHED FINISH.
7. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT DURING DRILLING WITHOUT PRIOR REVIEW BY THE ENGINEER.

DESIGNED BY: CFC
 DRAWN BY: TSP
 CHK'D BY: DMD

ISSUED FOR CT SING. COUNCIL - CLIENT REVIEW
 CFC 10/25/09 TSP
 CFC 11/20/09 TSP
 CFC 12/20/09 TSP
 DATE: DRAWN BY: CHK'D BY: DESCRIPTION

NATCOMM
 CONSULTING ENGINEERS
 P: 203-466-0960 F: 203-466-8587
 63-2 N. Branford Rd. Branford, CT 06405

VERIZON WIRELESS
GLASTONBURY SOUTH 2
 271 DAYTON ROAD
 SOUTH GLASTONBURY, CT 06073

DATE: 06/20/09
 SCALE: AS SHOWN
 JOB NO. 09026

SHELTER FOUNDATION PLAN, DETAILS & NOTES

SHEET NO. **C-5**
 Sheet No. 5 of 7

GLASTONBURY SOUTH 2

SITE 2

**Dayton Road
South Glastonbury, Connecticut**

Description of Proposed Cell Site

Cellco Partnership d/b/a Verizon Wireless
99 East River Drive
East Hartford, CT 06108

and

Message Center Management, Inc.
40 Woodland Street
Hartford, CT 06105

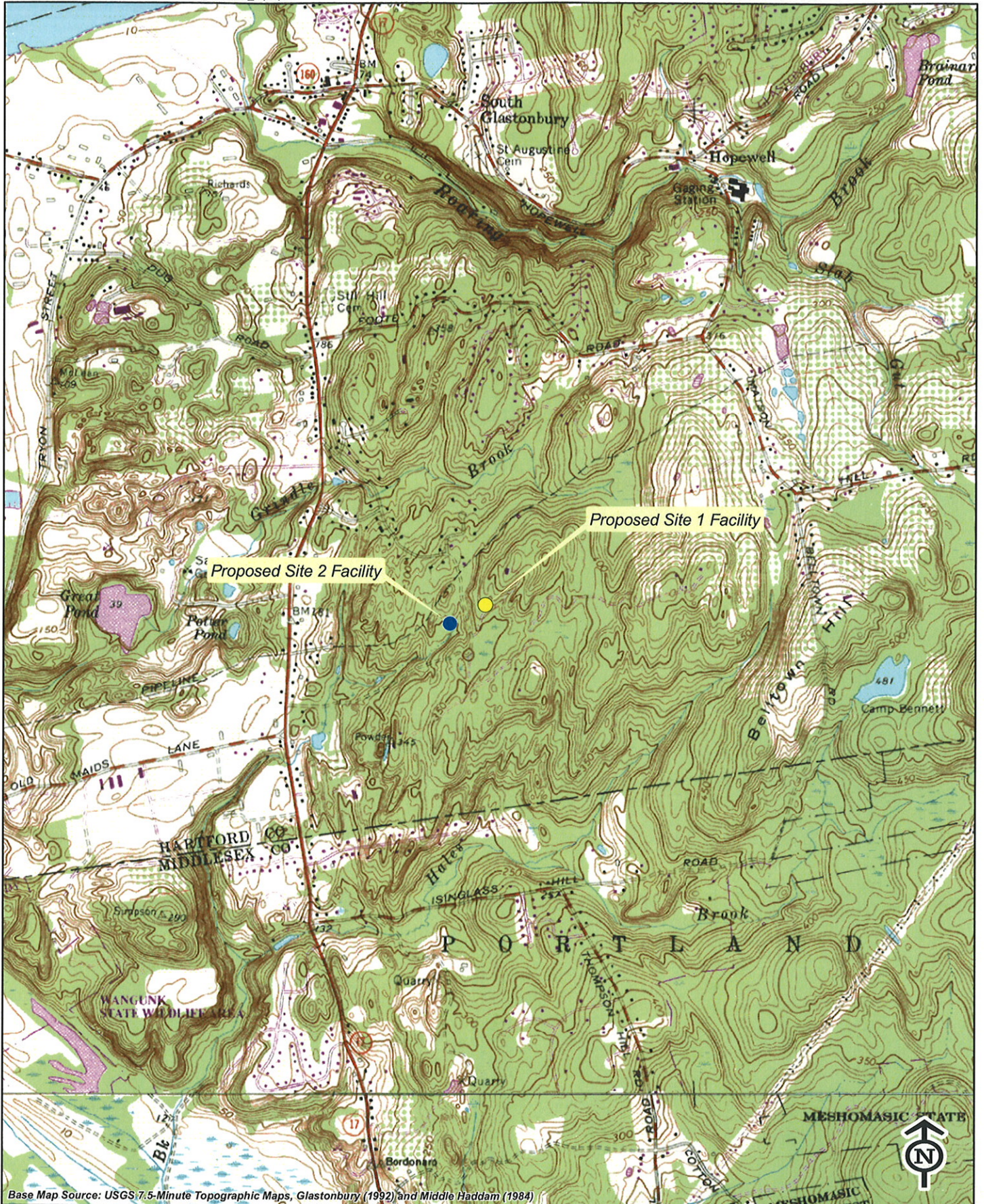
TABLE OF CONTENTS

	Page
GENERAL CELL SITE DESCRIPTION.....	1
U.S.G.S. TOPOGRAPHIC MAP.....	2
AERIAL PHOTOGRAPH.....	3
SITE EVALUATION REPORT.....	4
FACILITIES AND EQUIPMENT SPECIFICATION.....	6
ENVIRONMENTAL ASSESSMENT STATEMENT.....	7

SITE NAME: SITE 2 – Dayton Road, South Glastonbury, CT

GENERAL CELL SITE DESCRIPTION

The Site 2 Facility would be located on an approximately 39 acre parcel, on the west side of Dayton Road in South Glastonbury, identified on the Glastonbury Assessor's Records as E14/1680/W0007. The property is owned by Joseph L. A. Robert and Homer Scoville. The Site 2 Facility would consist of a 160-foot telecommunications tower. Cellco would install a 12' x 30' shelter near the base of the tower to house its radio equipment and back-up generator. Cellco antennas would be mounted with their centerline at the 160-foot level. Vehicular and utility access to the site would extend from Dayton Road along a new gravel driveway a distance of approximately 350 feet to the cell site.



Base Map Source: USGS 7.5-Minute Topographic Maps, Glastonbury (1992) and Middle Haddam (1984)



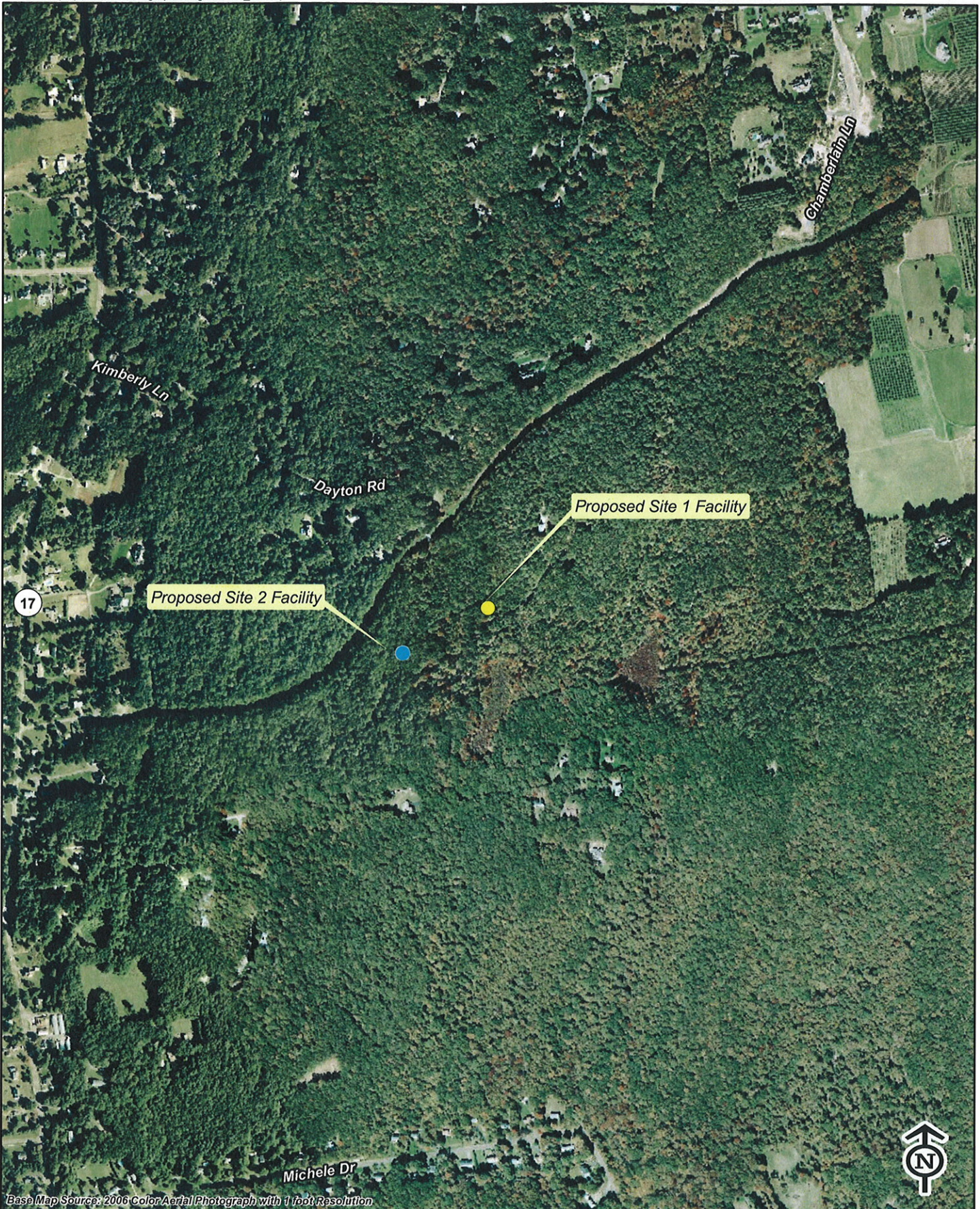
Vanasse Hangen Brustlin, Inc.

USGS Topographic Map
 Proposed Verizon Wireless
 Telecommunications Facility
 Two Candidate Sites
 Dayton Road
 Glastonbury, Connecticut



Quadrangle Location

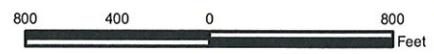




Base Map Source: 2006 Color Aerial Photograph with 1 foot Resolution



Vanasse Hangen Brustlin, Inc.



**Aerial Photograph
 Proposed Verizon Wireless
 Telecommunications Facility
 Two Candidate Sites
 Dayton Road
 Glastonbury, Connecticut**



Quadrangle Location



SITE EVALUATION REPORT

SITE NAME: SITE 2 – Dayton Road, South Glastonbury, CT

I. LOCATION

- A. COORDINATES: 41°-38'-42.16" N 72°-35'-48.15" W
- B. GROUND ELEVATION: Approximately 310 feet AMSL
- C. U.S.G.S. MAPS: Glastonbury, CT
- D. SITE ADDRESS: Dayton Road, South Glastonbury, CT
- E. ZONING WITHIN 1/4 MILE OF SITE: Land within 1/4 mile of Site 2 is zoned CR residential. Land use within a 1/4 mile is low-density residential.

II. DESCRIPTION

- A. SITE SIZE: 75' x 75' Leased Area
- B. LESSOR'S PARCEL: Approximately 39 acres
- C. TOWER TYPE/HEIGHT: 160' Monopole
- D. SITE TOPOGRAPHY AND SURFACE: The Site 2 Facility is located in the easterly portion of an undeveloped 39 acre parcel approximately 275 feet west of Dayton Road. The parcel slopes gently down from east to west. Twenty one (21) trees, 6 inches or greater diameter at breast height, would be removed to construct the Site 2 Facility and access driveway. Minimal grading of the Site 2 Facility compound and access drive would be required.
- E. SURROUNDING TERRAIN, VEGETATION, WETLANDS, OR WATER: The Site 2 Facility would be located in the easterly portion of the 39 acre parcel. The access driveway extends from Dayton Road a distance of approximately 350 feet. Two wetland areas were identified within approximately 100 feet of the Site 2 Facility and within approximately 35 feet of a portion of the proposed access driveway. No direct impacts will occur and no adverse impacts will result from construction of the Site 2 Facility.
- F. LAND USE WITHIN 1/4 MILE OF SITE: The parcel is surrounded by low-density residential land uses. (See Aerial Photograph at p. 2).

III. FACILITIES

- A. POWER COMPANY: Connecticut Light and Power

- B. POWER PROXIMITY TO SITE: Approximately 275 feet to the east along Dayton Road.
- C. TELEPHONE COMPANY: AT&T
- D. PHONE SERVICE PROXIMITY: Same as power
- E. VEHICLE ACCESS TO SITE: Vehicle access to the Site 2 Facility would extend along a new gravel driveway from Dayton Road a distance of approximately 350 feet.
- F. CLEARING AND FILL REQUIRED: Some tree clearing (21 trees greater than 6 inch diameter at breast height) and minimal site grading would be required for construction of the Site 2 Facility compound and access driveway. Detailed construction plans would be developed after approval of Site 2 by the Council.

IV. LEGAL

- A. PURCHASE LEASE MCM to purchase a two acre portion of 39 acre parcel if Site 2 is approved.
- B. OWNER: Joseph L. A. Robert and Homer Scoville
- C. ADDRESS: Dayton Road, South Glastonbury, CT 06073
- D. DEED ON FILE AT: Town of Glastonbury, CT Land Records

FACILITIES AND EQUIPMENT SPECIFICATION
(NEW TOWER & EQUIPMENT BUILDING)

SITE NAME: SITE 2 – Dayton Road, South Glastonbury, CT

I. TOWER SPECIFICATIONS:

- A. MANUFACTURER: To be determined
- B. TYPE: Self-supporting monopole
- C. TOWER HEIGHT: 160'
- D. DIMENSIONS: Approx. 60" base
 Approx. 30" top

II. TOWER LOADING:

A. CELLCO EQUIPMENT:

- 1. Antennas (15)
Four Model LPA-185063/12CF_2 (71.1" x 6.6" x 5.8") PCS antenna
Two Model LPA-185080/12CF_2 (71.1" x 4.1" x 5.9") PCS antenna
Two Model LPA-80063/6CF_2 (70.9" x 15.0" x 13.1") Cellular antenna
Two Model LPA-80080/6CF (70.9" x 5.5" x 13.2") Cellular antenna
Two Model LPA-80063/6CF (70.9" x 15.0" x 13.1") Cellular antenna
Three Model BXA-70063/6CF_4 (71" x 11.2" x 4.5) LTE antenna
Antenna Centerline 160' AGL
- 2. GPS Antenna: Mounted on the top of the equipment shelter
- 3. Transmission Lines:
 - a. MFG/Model: Andrews LDF5-50A
 - b. Size: 1 5/8"

III. ENGINEERING ANALYSIS AND CERTIFICATION:

The towers will be designed in accordance with Electronic Industries Association Standard EIA/TIA-222-F "Structural Standards for Steel Antenna Towers and Antenna Support Structures." The foundation designs would be based on soil conditions at the site. Details for the towers and foundation designs will be provided as a part of the final D&M Plan.

ENVIRONMENTAL ASSESSMENT STATEMENT

SITE NAME: SITE 2 – Dayton Road, South Glastonbury, CT

I. PHYSICAL IMPACT

A. WATER FLOW AND QUALITY

No water flow and/or water quality changes are anticipated as a result of the construction or operation of the Site 2 Facility. Consultation with the Town's Inland Wetlands and Watercourses Agency was undertaken in early 2009. Best management practices to control stormwater and soil erosion during construction will be implemented. The equipment associated with the facility will discharge no pollutants to surface or groundwater systems.

B. AIR QUALITY

Under ordinary operating conditions, the equipment that would be used at the site would emit no air pollutants of any kind. For limited periods during power outages and periodically for maintenance purposes, minor levels of emissions from Cellco's on-site generator would result.

Pursuant to R.C.S.A. § 22a-174-3, the on-site emergency back-up generator proposed as a part of this application would require the issuance of a Connecticut Department of Environmental Protection Air Bureau permit for potential emissions. Cellco would obtain this permit prior to installing the generator at the approved cell site.

C. LAND

Minimal tree clearing and grading will be required for the tower compound and access driveway. The remaining portions of the property would remain unchanged by the construction and operation of the Site 2 Facility. Twenty one (21) trees, six inches or greater at breast height, would need to be removed to construct the Site 2 Facility.

D. NOISE

The equipment to be in operation at the Site 2 Facility after construction would emit no noise of any kind, except for operation of the installed heating, air conditioning and ventilation systems and occasional operation of a back-up generator which would be run during power failures and periodically for maintenance purposes. Some noise is anticipated during cell site construction, which is expected to take approximately four to six weeks.

E. POWER DENSITY

The worst-case calculation of power density for Cellco's cellular, PCS and LTE antennas at the 160-foot level at the Site 2 Facility would be 12.53% of the Standard.

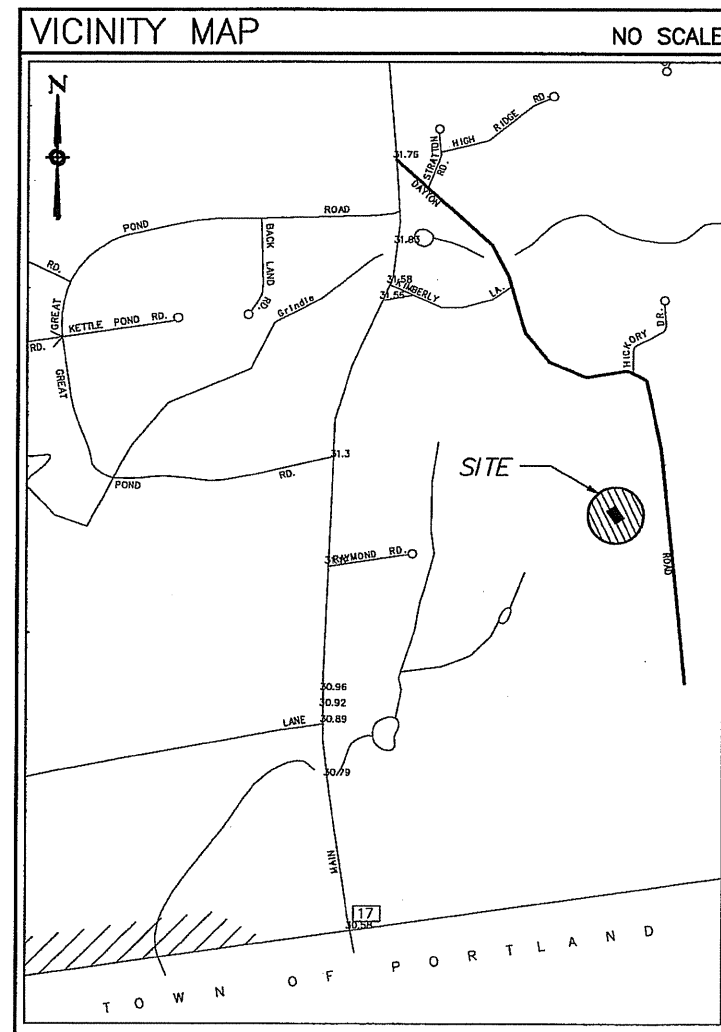
F. VISIBILITY

See Site 2 Visual Resource Evaluation Report included as Attachment 12.

MESSAGE CENTER MANAGEMENT

MCM - GLASTONBURY

DAYTON ROAD
GLASTONBURY, CONNECTICUT



PROJECT SUMMARY

SITE NAME: MCM - GLASTONBURY

SITE ADDRESS: DAYTON ROAD
GLASTONBURY, CONNECTICUT

CONTACT PERSON: MESSAGE CENTER MANAGEMENT
VIRGINIA KING
NAME (860) 727-5790

GOVERNING CODE: CONNECTICUT STATE BUILDING
AND LIFE SAFETY CODE

APPLICANT: MESSAGE CENTER MANAGEMENT
40 WOODLAND STREET
HARTFORD, CONNECTICUT 06105

ARCHITECT: URS CORPORATION
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067

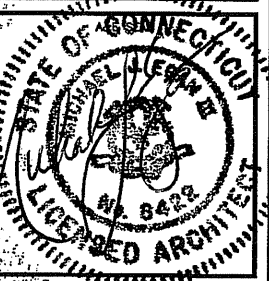
M/E/P ENGINEER: URS CORPORATION
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067

MESSAGE CENTER MANAGEMENT

40 WOODLAND STREET
HARTFORD, CONNECTICUT
06105

A&E FIRM URS CORPORATION AES

500 ENTERPRISE DRIVE
SUITE 3B
ROCKY HILL, CONNECTICUT
1-(860)-529-8882



LEGEND

SYMBOL	DESCRIPTION
	SECTION OR DETAIL NUMBER
	SHEET WHERE DETAIL/SECTION OCCURS
	ELEVATION NUMBER
	SHEET WHERE ELEVATION OCCURS

ABBREVIATIONS

MIN. MINIMUM
V.I.F. VERIFY IN FIELD
O.C. ON CENTER
PSF POUND/SQUARE FOOT
TYP. TYPICAL
FT. FEET
SQ.FT. SQUARE FEET
N/A NOT APPLICABLE

SHEET INDEX

SHT. NO.	DESCRIPTION
T-1	TITLE SHEET - GENERAL NOTES AND LEGENDS
S-1	SURVEY
SC-1	SITE MAP
SC-2	PARTIAL SITE PLAN
SC-3	COMPOUND PLAN AND TOWER ELEVATION

PROJECT NO: 36924846

JOB NO: MCM-010

DRAWN BY: KAP

CHECKED BY: MJE

ISSUED FOR

A	07-16-09	REVIEW
0	09-14-09	SITING COUNCIL
1	09-14-09	SITING COUNCIL
2	09-23-09	SITING COUNCIL

THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO MESSAGE CENTER MANAGEMENT IS STRICTLY PROHIBITED.

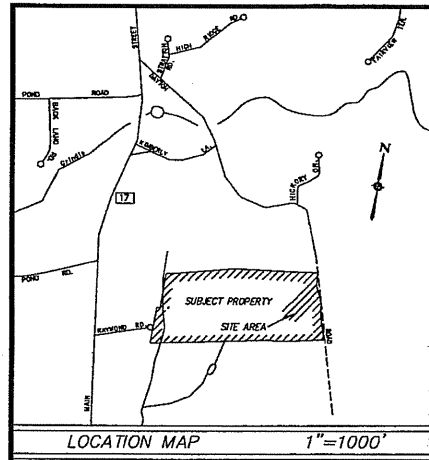
MCM - GLASTONBURY

DAYTON ROAD
GLASTONBURY, CONNECTICUT

SCALE: AS NOTED

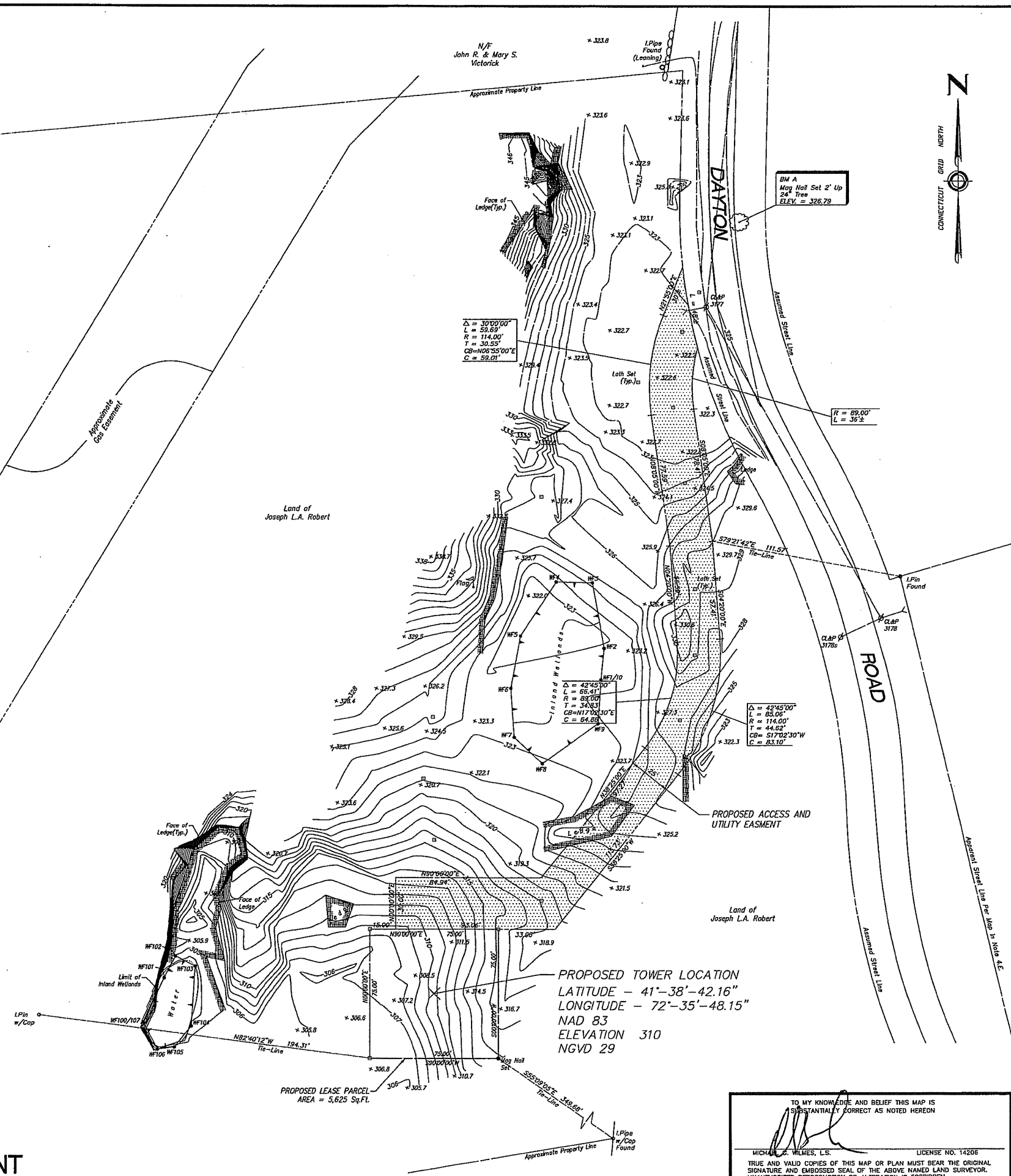
TITLE SHEET -
GENERAL NOTES
AND LEGENDS

T-1



LEGEND

	Bush		Mailbox
	Catch Basin		Manhole
	Coniferous Tree		Parking Meter
	Deciduous Tree		Sign
	Gas Gate		Utility Pole
	Hydrant		Water Gate
	Light Pole		



- NOTES:**
- THIS SURVEY AND MAP HAVE BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 20-300b-1 THRU 20-300b-20, AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996. THE TYPE OF SURVEY IS A PROPERTY SURVEY AND A T-2 TOPOGRAPHIC SURVEY. THE BOUNDARY DETERMINATION CATEGORY IS A RESURVEY. THE HORIZONTAL AND VERTICAL ACCURACY CONFORMS TO CLASS A-2 & V-2 ACCURACY.
 - BEARINGS REFER TO THE CONNECTICUT COORDINATE SYSTEM (NAD83) ESTABLISHED BY G.P.S.
 - ELEVATIONS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29) BASED UPON CGS MONUMENT 5455 HOLDING THE PUBLISHED ELEVATION OF 175.71.
 - REFERENCE IS MADE TO THE FOLLOWING MAPS:
 - "PROPERTY OF RAYMOND H. & BERTHA C. PFAU, GLASTONBURY, CONN.", BY JOHN A. MOZZOCHI, SCALE 1"=40', DATED OCTOBER 31, 1951, REVISED TO 3-14-52.
 - "PLAN PREPARED FOR CHARLES D. & EMMA A. CRANE, DAYTON ROAD, GLASTONBURY, CONN.", BY A. BOHEN DAVES & CO., SCALE 1"=100', DATED 6-01-71.
 - "MAP PREPARED FOR J. ALFRED C. DODD, GLASTONBURY, CONN.", BY MOZZOCHI ASSOCIATES, SCALE 1"=40', DATED 9-11-72.
 - "SUBDIVISION PLAN, PREPARED FOR JOSEPH E. & CHRISTINE B. CAROLLO MAIN STREET & DAYTON ROAD, GLASTONBURY, CONN.", BY RICHARD F. MHOV, P.E., SCALE 1"=40', DATED 06-24-02.
 - "PARCEL DIVISION MAP, DAYTON ROAD PREPARED FOR HOWARD H. SCHWAGER, GLASTONBURY, CONN.", BY MEGSON & HEAGLE, SCALE 1"=100', DATED 4-12-05.
 - THE PROPERTY IS SUBJECT TO AN EASEMENT IN FAVOR OF THE ALUMINUM GAS TRANSMISSION COMPANY AS DESCRIBED IN VOLUME 136, PAGE 520 OF THE GLASTONBURY TOWN CLERK.
 - LIMIT OF INLAND WETLANDS BASED UPON FIELD LOCATION OF MARK OUT ON JULY 17, 2008 BY SOIL SCIENCE AND ENVIRONMENTAL SERVICES, INC.
 - UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING AND OTHER DATA SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES, GOVERNMENTAL AGENCIES AND/OR OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH UNDERGROUND FEATURES MAY EXIST ON THE SITE, THE EXISTENCE OF WHICH ARE UNKNOWN TO URS CORPORATION A/E/S. THE EXISTENCE, SIZE, TYPE AND LOCATION OF ALL SUCH FEATURES MUST BE DETERMINED AND VERIFIED IN THE FIELD BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-922-4455.

PROPERTY & TOPOGRAPHIC SURVEY
 PROPOSED LEASE PARCEL
 DAYTON ROAD
 GLASTONBURY, CONNECTICUT
 PREPARED FOR
MESSAGE CENTER MANAGEMENT

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

[Signature]
 MICHAEL J. WILMES, L.S. LICENSE NO. 14206

TRUE AND VALID COPIES OF THIS MAP OR PLAN MUST BEAR THE ORIGINAL SIGNATURE AND EMBOSSED SEAL OF THE ABOVE NAMED LAND SURVEYOR. UNAUTHORIZED REPRODUCTION OR ALTERATION IS FORBIDDEN.

Embossed seal

URS
 Surveying and Mapping by:
URS Corporation AES
 500 Enterprise Drive, Suite 39
 Rocky Hill, Connecticut 06067-4002
 Tel. (860) 528-8882

Scale: 1" = 30'
 Date: AUGUST 2008

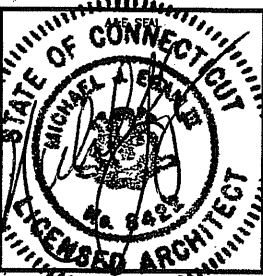
Field book #	Crew Chief	Project #
1598-5	JL & SP	36924846
Search #	Drawn by	Checked by
2916	K.C.	E.L.
		Map File #
		T157-23

S:\Message_Center\36924846\SURVEY\36924846.dwg 36924846.dwg

LEGEND		
DESCRIPTION	EXISTING	PROPOSED
PROPERTY LINE	---	---
LEASE LINE	---	---
CHAIN LINK FENCE	—○—○—	—○—○—
CONTOUR LINES	—123—	—E/T—
UNDERGROUND UTILITIES	—∅—	—∅—
UTILITY POLE	∅	∅
TREE LINE	~~~~~	~~~~~
SEDIMENTATION FENCE	—/—/—	—/—/—
SPOT ELEVATION	x 124.5	x 124.5
EXISTING FENCE	—○—○—	—○—○—

MESSAGE CENTER MANAGEMENT
 40 WOODLAND STREET
 HARTFORD, CONNECTICUT 06105

A&E FIRM
URS CORPORATION AES
 500 ENTERPRISE DRIVE
 SUITE 3B
 ROCKY HILL, CONNECTICUT
 1-(860)-529-8882



PROJECT NO: 36924846

JOB NO: MCM-010

DRAWN BY: KAP

CHECKED BY: MJE

ISSUED FOR	
A	07-16-09 REVIEW
0	09-14-09 SITING COUNCIL
1	09-14-09 SITING COUNCIL
2	09-23-09 SITING COUNCIL

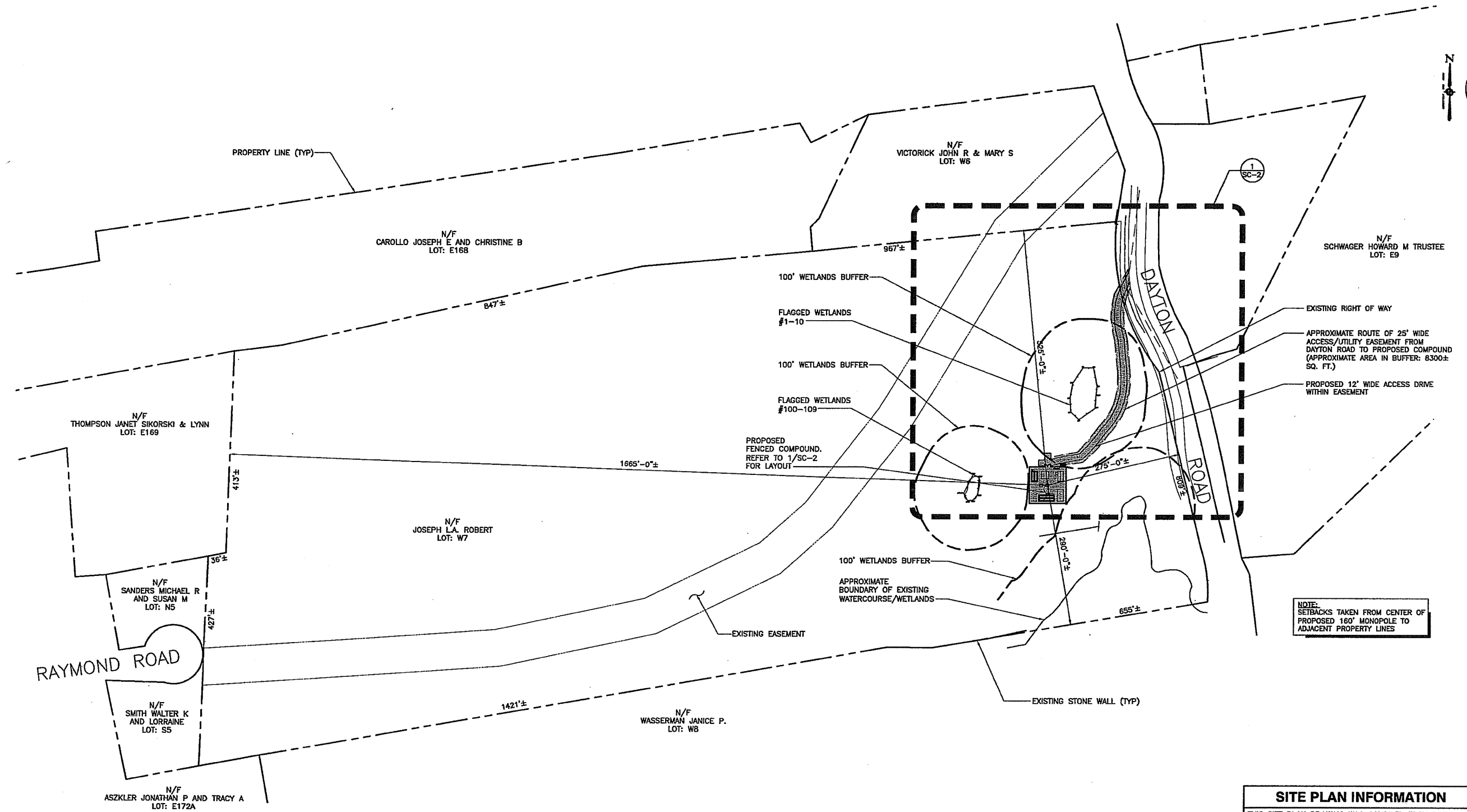
THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO MESSAGE CENTER MANAGEMENT IS STRICTLY PROHIBITED.

MCM - GLASTONBURY
 DAYTON ROAD
 GLASTONBURY, CONNECTICUT

SCALE: AS NOTED

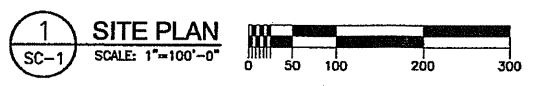
SITE PLAN

SC-1

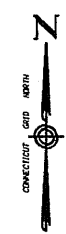
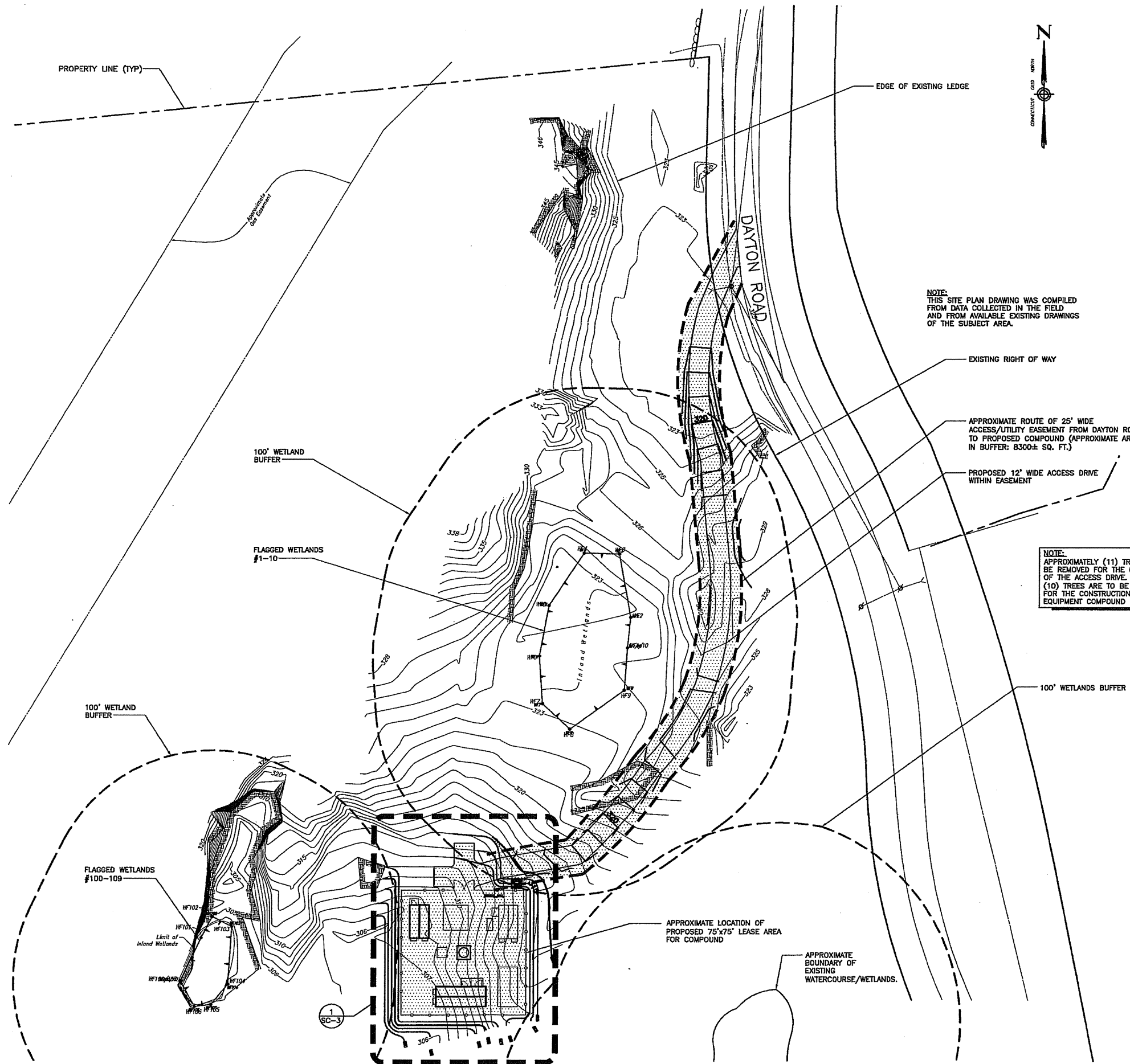
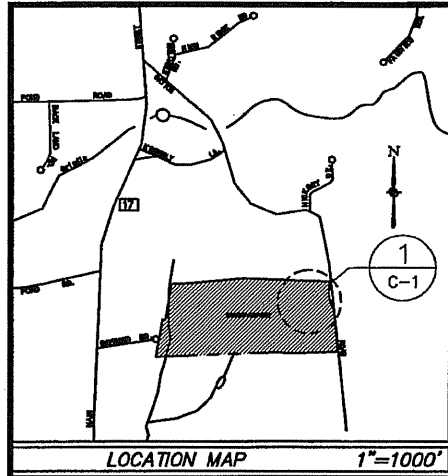


NOTE:
 SETBACKS TAKEN FROM CENTER OF PROPOSED 160' MONOPOLE TO ADJACENT PROPERTY LINES

SITE PLAN INFORMATION
 THIS SITE PLAN DRAWING WAS COMPILED FROM DATA COLLECTED IN THE FIELD AND FROM AVAILABLE EXISTING DRAWINGS OF THE SUBJECT AREA. REFER TO SURVEY BY URS CORPORATION TITLED PROPERTY & TOPOGRAPHIC SURVEY, PROPOSED LEASE PARCEL, DAYTON ROAD, GLASTONBURY, CONNECTICUT DATED AUGUST 2008



1 SITE PLAN
 SC-1 SCALE: 1"=100'-0"



NOTE:
THIS SITE PLAN DRAWING WAS COMPILED FROM DATA COLLECTED IN THE FIELD AND FROM AVAILABLE EXISTING DRAWINGS OF THE SUBJECT AREA.

NOTE:
APPROXIMATELY (11) TREES ARE TO BE REMOVED FOR THE CONSTRUCTION OF THE ACCESS DRIVE. APPROXIMATELY (10) TREES ARE TO BE REMOVED FOR THE CONSTRUCTION OF THE EQUIPMENT COMPOUND

MESSAGE CENTER MANAGEMENT
40 WOODLAND STREET
HARTFORD, CONNECTICUT 06105

A&E FIRM
URS CORPORATION AES
500 ENTERPRISE DRIVE
SUITE 3B
ROCKY HILL, CONNECTICUT
1-(860)-520-8882



PROJECT NO: 36924846

JOB NO: MCM-010

DRAWN BY: KAP

CHECKED BY: MJE

ISSUED FOR	
A	07-16-09 REVIEW
D	09-14-09 SITING COUNCIL
1	09-14-09 SITING COUNCIL
2	09-23-09 SITING COUNCIL

THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO MESSAGE CENTER MANAGEMENT IS STRICTLY PROHIBITED.

MCM - GLASTONBURY
DAYTON ROAD
GLASTONBURY, CONNECTICUT

SCALE: AS NOTED

PARTIAL SITE PLAN

SC-2

1 PARTIAL SITE PLAN
SCALE: 1" = 30'-0"
0 15 30 60 90

APPLICATION GUIDE¹

- App. pp. i-ii (A) An Executive Summary on the first page of the application with the address, proposed height, and type of tower being proposed. A map showing the location of the proposed site should accompany the description;
- App. pp. 1-4 (B) A brief description of the proposed facility, including the proposed locations and heights of each of the various proposed sites of the facility, including all candidates referred to in the application;
- App. pp. 1-4 (C) A statement of the purpose for which the application is made;
- App. p. 1 (D) A statement describing the statutory authority for such application;
- App. p. 6 (E) The exact legal name of each person seeking the authorization or relief and the address or principal place of business of each such person. If any applicant is a corporation, trust association, or other organized group, it shall also give the state under the laws of which it was created or organized;
- App. p. 6 (F) The name, title, address and telephone number of the attorney or other person to whom correspondence or communications in regard to the application are to be addressed. Notice, orders, and other papers may be served upon the person so named, and such service shall be deemed to be service upon the applicant;
- App. p. 10
Attachments 1, 2 and 8 (G) A statement of the need for the proposed facility with as much specific information as is practicable to demonstrate the need, including a description of the proposed system and how the proposed facility would eliminate or alleviate any existing deficiency or limitation;
- App. p. 15 (H) A statement of the benefits expected from the proposed facility with as much specific information as is practicable;

¹ This Application Guide is copied directly from the "Connecticut Siting Council Application Guide," Section VI, as amended February 16, 2007. References to the Regulations of Connecticut State Agencies ("RCSA") contained in the Guide have been omitted.

App. pp. 1-5, 11-14
Attachments 1, 2 and 8

- (I) A description of the proposed facility at the named sites including:
- (1) Height of the tower and its associated antennas including a maximum “not to exceed height” for the facility, which may be higher than the height proposed by the Applicant;
 - (2) Access roads and utility services;
 - (3) Special design features;
 - (4) Type, size, and number of transmitters and receivers, as well as the signal frequency and conservative worst-case and estimated operational level approximation of electro magnetic radio frequency power density levels (facility using FCC Office of Engineering and Technology Bulletin 65, August 1997) at the base of the tower base, site compound boundary where persons are likely to be exposed to maximum power densities from the facility;
 - (5) A map showing any fixed facilities with which the proposed facility would interact;
 - (6) The coverage signal strength, and integration of the proposed facility with any adjacent fixed facility, to be accompanied by multi-colored propagation maps of red, green and yellow (exact colors may differ depending on computer modeling used, but a legend is required to explain each color used) showing interfaces with any adjacent service areas, including a map scale and north arrows; and
 - (7) For cellular systems, a forecast of when maximum capacity would be reached for the proposed facility and for facilities that would be integrated with the proposed facility.

Attachments 1 and 2

- (J) A description of the named sites, including:
- (1) The most recent U.S.G.S. topographic quadrangle map (scale 1 inch = 2,000 feet) marked to show the site of the facility and any significant changes within a one-mile radius of the site;
 - (2) A map (scale not less than 1 inch = 200 feet) of the lot or tract on which the facility is proposed to be located showing the acreage and dimensions of such site, the name and location of adjoining public roads or the nearest public road, and the names of abutting owners and the portions of their lands abutting the site;
 - (3) A site plan (scale not less than 1 inch = 40 feet) showing the proposed facility, set back radius, existing and proposed contour elevations, 100-year flood zones, waterways, wetlands, and all associated equipment and structures on the site;
 - (4) Where relevant, a terrain profile showing the proposed facility and access road with existing and proposed grades; and
 - (5) The most recent aerial photograph (scale not less than 1 inch = 1,000 feet) showing the proposed site, access roads, and all abutting properties.

Attachments 1 and 2

- (K) A statement explaining mitigation measures for the proposed facility including:
- (1) Construction techniques designed specifically to minimize adverse effects on natural areas and sensitive areas;
 - (2) Special design features made specifically to avoid or minimize adverse effects on natural areas and sensitive areas;
 - (3) Establishment of vegetation proposed near residential, recreation, and scenic areas; and
 - (4) Methods for preservation of vegetation for wildlife habitat and screening.

App. pp. 1-4 and 20-21
Attachments 11 and 12

- (L) A description of the existing and planned land uses of the named sites and surrounding areas;

- App. pp. 15-19
Attachments 11, 12 and 13 (M) A description of the scenic, natural, historic, and recreational characteristics of the names sites and surrounding areas including officially designated nearby hiking trails and scenic roads;
- Attachments 11 and 12 (N) Sight line graphs to the named sites from visually impacted areas such as residential developments, recreational areas and historic sites;
- Attachment 10 (O) A list describing the type and height of all existing and proposed towers and facilities within a four mile radius within the site search area, or within any other area from which use of the proposed towers might be feasible from a location standpoint for purposes of the application;
- App. p. 14
Attachment 10 (P) A description of efforts to share existing towers, or consolidate telecommunications antennas of public and private services onto the proposed facility including efforts to offer tower space, where feasible, at no charge for space for municipal antennas;
- App. p. 12
Attachments 1 and 2 (Q) A description of technological alternatives and a statement containing justification for the proposed facility;
- Attachment 10 (R) A description of rejected sites with a U.S.G.S. topographic quadrangle map (scale 1 inch = 2,000 feet) marked to show the location of rejected sites;
- App. pp. 13-14
Attachments 1, 2 and 10 (S) A detailed description and justification for the site(s) selected, including a description of siting criteria and the narrowing process by which other possible sites were considered and eliminated including, but not limited to, environmental effects, cost differential, coverage lost or gained, potential interference with other facilities, and signal loss due to geographic features compared to the proposed site(s);
- App. pp. 19-20 (T) A statement describing hazards to human health, if any, with such supporting data and references to regulatory standards;
- App. pp. 26-27 (U) A statement of estimated costs for site acquisition, construction, and equipment for a facility at the various proposed sites of the facility, including all candidates referred to in the application;

- App. p. 27 (V) A schedule showing the proposed program of site acquisition, construction, completion, operation and relocation or removal of existing facilities for the named sites;
- App. p. 17 (W) A statement indicating that, weather permitting, the applicant will raise a balloon with a diameter of at least three feet, at the sites of the various proposed sites of the facility, including all candidates referred to in the application, on the day of the Council's first hearing session on the application or at a time otherwise specified by the Council. For the convenience of the public, this event shall be publicly noticed at least 30 days prior to the hearing on the application as scheduled by the Council;
- App. pp. 17-24 Attachments 1, 2, 13 and 14 Bulk File Exhibits (X) Such information as any department or agency of the State exercising environmental controls may, by regulation, require including:
- (1) A listing of any federal, state, regional, district, and municipal agencies, including but not limited to the Federal Aviation Administration; Federal Communications Commission; State Historic Preservation Officer; State Department of Environmental Protection; and local conservation, inland wetland, and planning and zoning commissions with which reviews were conducted concerning the facility, including a copy of any agency position or decision with respect to the facility; and
 - (2) The most recent conservation, inland wetland, zoning, and plan of development documents of the municipality, including a description of the zoning classification of the site and surrounding areas, and a narrative summary of the consistency of the project with the Town's regulations and plans.
- Attachments 1 and 2 (Project Plans) (Y) Description of proposed site clearing for access road and compound including type of vegetation scheduled for removal and quantity of trees greater than six inches diameter at breast height and involvement with wetlands;
- N/A (Z) Such information as the applicant may consider relevant.

CERTIFICATION OF SERVICE

I hereby certify that on this 30th day of September, 2009, copies of the Application and attachments were sent by certified mail, return receipt requested, to the following:

STATE OFFICIALS:

The Honorable Richard Blumenthal
Attorney General
Office of the Attorney General
55 Elm Street
Hartford, CT 06106

Amev Marrella, Commissioner
Connecticut Department of Environmental Protection
79 Elm Street
Hartford, CT 06106

J. Robert Galvin, M.D., M.P.H., M.B.A., Commissioner
Department of Public Health and Addiction Services
410 Capitol Avenue
P.O. Box 340308, MS 13COM
Hartford, CT 06134-0308

Karl J. Wagener, Executive Director
Council on Environmental Quality
79 Elm Street
P.O. Box 5066
Hartford, CT 06106

Kevin M. DelGobbo, Chairman
Department of Public Utility Control
Ten Franklin Square
New Britain, CT 06051

Robert L. Genuario, Secretary
Office of Policy and Management
450 Capitol Avenue
Hartford, CT 06134-1441

Joan McDonald, Commissioner
Department of Economic and Community Development
505 Hudson Street
Hartford, CT 06106

Joseph F. Marie, Commissioner
Department of Transportation
P.O. Box 317546
2800 Berlin Turnpike
Newington, CT 06131-7546

David Bahlman, Division Director
Deputy State Historic Preservation Officer
Connecticut Commission on Culture & Tourism
Historic Preservation and Museum Division
One Constitution Plaza, 2nd Floor
Hartford, CT 06103

GLASTONBURY TOWN OFFICIALS:

Richard J. Johnson
Town Manager
Town of Glastonbury
2155 Main Street
Glastonbury, CT 06033

The Honorable Mary Ann Handley
Senator – 4th District
Legislative Office Building
Room 3200
Hartford, CT 06106

The Honorable Thomas Kehoe
Representative – 31st District
Legislative Office Building
Room 2300
Hartford, CT 06106

The Honorable Jason Rojas
Representative – 9th District
Legislative Office Building
Room 4001
Hartford, CT 06106

Joyce P. Mascena
Town Clerk
Town of Glastonbury
2155 Main Street
Glastonbury, CT 06033

Sharon M. Jagel, Chairman
Town Plan and Zoning Commission
Town of Glastonbury
2155 Main Street
Glastonbury, CT 06033

Kenith Leslie
Director of Community Development
Town of Glastonbury
2155 Main Street
Glastonbury, CT 06033

John Linderman, Chairman
Zoning Board of Appeals
Town of Glastonbury
2155 Main Street
Glastonbury, CT 06033

Edward P. Pietrycha
Building Official/Zoning Enforcement Officer
Town of Glastonbury
2155 Main Street
Glastonbury, CT 06033

Judy Harper, Chairman
Conservation Commission
Town of Glastonbury
2155 Main Street
Glastonbury, CT 06033

Lyle Wray, Executive Director
Capitol Region Council of Governments
241 Main Street
Hartford, CT 06106

Federal Communications Commission
445 12th Street SW
Washington, DC 20554



Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103
Telephone: (860) 275-8200
Attorneys for Cellco Partnership d/b/a Verizon Wireless

The Glastonbury Citizen/Rivereast News Bulletin

PO Box 373 • Glastonbury, CT 06033 • (860) 633-4691 • FAX (860) 657-3258
www.glcitizen.com • email: citizen@snet.net

AFFIDAVIT OF PUBLICATION

Before me, the undersigned authority, on this day personally appeared James Hallas,

who being by me duly sworn, deposes and says that he is the Publisher of

the Glastonbury Citizen; that said newspaper is a news-
(name of newspaper)

paper of general circulation in Hartford County, Connecticut; and

that the attached notice(s) was published in said newspaper on the

following date(s): September 17, 2009 + September 24, 2009

James Hallas
Newspaper Representative's Signature

State of Connecticut S.S

County of Hartford

Sworn and subscribed before me this

24th day of September 2009

by Sandra H. Murray

Sandra H. Murray Notary Public
My Commission Expires July 31, 2012

Beacon Woods Equestrian Center - Clark Hill Rd - RR Zone

3. Unan appr request of Beacon Woods, LLC for waiver of sidewalk construction and appl for Conditional Subdivision Approval and a Sec 6.8 Sp Prmt - Beacon Woods Sub - 3 lots (2 frontage lots, 1 rear lot) - Clark Hill Rd - RR Zone

4. Unan accepted as amended minutes of 09-01-09 Reg Mtg

5. Unan appr favorable recommendation to ZBA - appl of Hallmark Realty, LLC, for a use variance from Sec 4.14.1 to allow General Repairers License in PE Zone - 130 National Drive

ERIC W. SCHAEFER, ACTING CHAIRMAN
SHARON H. PURTILL, SECRETARY

1TC 9/17

sanitary sewers - proposed Beacon Woods Equestrian Cir & 3-lot Subd - east side of Clark Hill Rd, just north of the Portland town line - Rural Residence Zone & Groundwater Protection Zone 2

2. On-site Mtg for only the Dayton Rd sites set for Mon 09-21-09 at 5 PM (McClain recused) re: request of the Town Council to review & comment upon 3 potential communication tower proposals: 1) Lot W-7 Dayton Rd; 2) 271 Dayton Rd; and 3) 1040 Main St

3. Approved as amended 5-0-1 reg mtg mins of 08-13-09 (McInerney abstained)

JUDY HARPER, CHAIRMAN
KIM MCCLAIN, SECRETARY

1TC 9/18

LEGAL NOTICE

G.C. 9/17/09

Notice is hereby given, pursuant to Section 16-50/(b) of the Connecticut General Statutes and Regulations pertaining thereto, of an Application to be submitted to the Connecticut Siting Council ("Council") on or about September 30, 2009, by Cellco Partnership d/b/a Verizon Wireless ("Cellco") and Message Center Management, Inc. ("MCM") (collectively, the "Applicant"). The Application proposes the installation of a wireless telecommunications facility at one of two alternative locations in the Town of Glastonbury, Connecticut. The first alternative location would consist of a 100' x 100' area within an approximately 13.7 acre parcel at 271 Dayton Road ("Site 1"). At Site 1, the Applicant would construct a 110-foot monopole tower disguised as a pine tree and a new 12' x 30' shelter to house Cellco's radio equipment and a back-up generator. Simulated branches would extend to an overall height of 117 feet above-ground level. Access to Site 1 would extend from Dayton Road. The second alternative location would consist of a 75' x 75' area within an approximately 39 acre parcel, Assessor's Map No. E14/1680/W0007, located immediately west of 271 Dayton Road ("Site 2"). At Site 2, the Applicant would construct a 160-foot monopole tower. A new 12' x 30' shelter would house Cellco's equipment and back-up generator. Access to Site 2 would extend from Dayton Road. The location and other features of the proposed cell sites are subject to change under provisions of Connecticut General Statutes § 16-50g et. seq.

On the day selected for the Siting Council public hearing on this proposal, the Applicant will fly balloons at the height of the proposed tower at the Site 1 and Site 2 locations. Interested parties and residents of the Town of Glastonbury are invited to review the Application after September 30, 2009, during normal business hours at any of the following offices:

Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Town Clerk
Town of Glastonbury
2155 Main Street
Glastonbury, CT 06033

Cellco Partnership d/b/a Verizon Wireless
99 East River Drive
East Hartford, CT 06108

Richard J. Johnson, Town Manager
Town of Glastonbury
2155 Main Street
Glastonbury, CT 06033

or the offices of the undersigned. All inquiries should be addressed to the Connecticut Siting Council or to the undersigned.

CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS

Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103-3597
(860) 275-8200
Its Attorneys

2TC 9/17, 9/24

LEGAL NOTICE

Notice is hereby given, pursuant to Section 16-50(b) of the Connecticut General Statutes and Regulations pertaining thereto, of an Application to be submitted to the Connecticut Siting Council ("Council") on or about September 30, 2009, by Cellco Partnership d/b/a Verizon Wireless ("Cellco") and Message Center Management, Inc. ("MCM") (collectively, the "Applicant"). The Application proposes the installation of a wireless telecommunications facility at one of two alternative locations in the Town of Glastonbury, Connecticut. The first alternative location would consist of a 100' x 100' area within an approximately 13.7 acre parcel at 271 Dayton Road ("Site 1"). At Site 1, the Applicant would construct a 110-foot monopole tower disguised as a pine tree and a new 12' x 30' shelter to house Cellco's radio equipment and a back-up generator. Simulated branches would extend to an overall height of 117 feet above-ground level. Access to Site 1 would extend from Dayton Road. The second alternative location would consist of a 75' x 75' area within an approximately 39 acre parcel, Assessor's Map No. E14/1680/W0007, located immediately west of 271 Dayton Road ("Site 2"). At Site 2, the Applicant would construct a 160-foot monopole tower. A new 12' x 30' shelter would house Cellco's equipment and back-up generator. Access to Site 2 would extend from Dayton Road. The location and other features of the proposed cell sites are subject to change under provisions of Connecticut General Statutes § 16-50g et. seq.

On the day selected for the Siting Council public hearing on this proposal, the Applicant will fly balloons at the height of the proposed tower at the Site 1 and Site 2 locations. Interested parties and residents of the Town of Glastonbury are invited to review the Application after September 30, 2009, during normal business hours at any of the following offices:

Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Town Clerk
Town of Glastonbury
2155 Main Street
Glastonbury, CT 06033

Cellco Partnership d/b/a Verizon Wireless
99 East River Drive
East Hartford, CT 06108

Richard J. Johnson, Town Manager
Town of Glastonbury
2155 Main Street
Glastonbury, CT 06033

or the offices of the undersigned. All inquiries should be addressed to the Connecticut Siting Council or to the undersigned.

CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS

Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103-3597
(860) 275-8200
Its Attorneys

2TC 9/17, 9/24

ANNOUNCEMENTS

WANTED TO BUY

CASH FOR OLD ITEMS & ANTIQUES: Pottery, glass, sterling, mixing bowls, vases, toys, china.

TAILS-U-WIN! Positive training - Positive results since 1991. 50 classes every week...come see for yourself. 175 Adams Street, Manchester 860-646-5033 www.tailsuwin.com

CAT (ABOUT 5 MOS. OLD) FOUND NEAR RIVERFRONT

BUILD YOUR CHILD'S CONFIDENCE AND CREATIVITY THROUGH SAXOPHONE LESSONS! Sheri Brown, instructor. M.M. Saxophone Performance, The Hartt School. Experienced, makes home visits, great with kids. Student's accomplishments range from improvising for the first time

MUSIC

PIANO TUNING & REPAIR: Bruce MacLeod, Registered Piano Technician, P.T.G. Keeping Glastonbury in tune since 1980. 346-8193.

KENNETH C. BALDWIN

280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

September 17, 2009

Via Certified Mail Return Receipt Requested

«Name_and_Address»

Re: **Cellco Partnership d/b/a Verizon Wireless and Message Center
Management - Proposed Telecommunications Facility
South Glastonbury, Connecticut**

Dear «Salutation»:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") and Message Center Management, Inc. ("MCM") will be submitting an application to the Connecticut Siting Council ("Council") on or about September 30, 2009, for approval of the construction of a telecommunications facility at one of two alternative locations in the Town of Glastonbury, Connecticut.

The first proposed facility location ("Site 1 Facility") would consist of a new 110-foot self-supporting monopole tower disguised as a pine tree on a 13.7 acre parcel at 271 Dayton Road in South Glastonbury. Cellco's radio equipment and back-up generator would be installed inside a 12' x 30' shelter located at the base of the tower. The Site 1 Facility has been designed to accommodate multiple carriers. Access to the Site 1 Facility would extend directly from Dayton Road and would utilize a portion of the owner's existing gravel driveway. A short gravel driveway extension would extend from the existing driveway to the cell site a distance of approximately 100 feet.

The second proposed facility location ("Site 2 Facility") would consist of a new 160-foot self-supporting monopole tower on a 39 acre parcel (Assessor's Parcel No. E14/1680/W007), immediately west of the property at 271 Dayton Road in South Glastonbury. Cellco's radio equipment and back-up generator would be installed inside a 12' x 30' shelter located at the base of the tower. The Site 2 Facility would be designed to accommodate multiple carriers. Access to the Site 2 Facility would extend from Dayton Road over a new gravel driveway to the cell site a distance of approximately 350 feet.

September 17, 2009

Page 2

Site plans for the Site 1 and Site 2 Facilities are attached for your review. The location and other features of the proposed facility are subject to change under the provisions of Connecticut General Statutes § 16-50g et seq.

State law provides that owners of record of property which abuts a parcel on which the proposed facility may be located must receive notice of the submission of this application. This notice is directed to you either because you may be an abutting land owner or as a courtesy notice.

If you have any questions concerning the application, please direct them to either the Connecticut Siting Council or me. My address and telephone number are listed above. The Siting Council may be reached at its New Britain, Connecticut office at (860) 827-2935.

Very truly yours,

Kenneth C. Baldwin

ADJACENT PROPERTY OWNERS

SITE NAME: SITE 1 – GLASTONBURY SOUTH 2

OWNER NAME: HOWARD M. SCHWAGER, TRUSTEE

OWNER ADDRESS: 271 DAYTON ROAD, SOUTH GLASTONBURY, CONNECTICUT

ASSESSOR'S REFERENCE: MAP: E13 STREET: 1680 LOT: E0008

THE FOLLOWING INFORMATION WAS COLLECTED FROM THE TAX ASSESSOR'S RECORDS AND LAND RECORDS OF GLASTONBURY TOWN HALL, GLASTONBURY, CONNECTICUT. THE INFORMATION IS CURRENT AS OF SEPTEMBER 14, 2009.

THE PARCEL IS ZONED CR RESIDENTIAL.

	<u>Parcel ID</u>	<u>Property Address</u>	<u>Property Owner</u>
1.	E13/1680/E0009	Dayton Road	Carmine J. and Deborah Esposito 56 Cotswold Close Glastonbury, CT 06033-3734
2.	E13/1680/E0007A	255 Dayton Road	Christopher W. and Constance B. Clemens 255 Dayton Road South Glastonbury, CT 06073-3209
3.	E13/1680/E0007	245 Dayton Road	Joseph and Lottie R. Clemens 245 Dayton Road South Glastonbury, CT 06073-3209
4.	E14/1680/W0008	Dayton Road	Janice P. Wasserman 400 Dayton Road South Glastonbury, CT 06073-3204
5.	E14/1680/W0007	Dayton Road	Joseph L. A. Robert and Richard H. Hartley, III, Trustee c/o Homer G. Scoville, Esq. 28 Willard Avenue Old Saybrook, CT 06475
6.	E13/1680/W0006	280 Dayton Road	John R. and Mary S. Victorick 280 Dayton Road South Glastonbury, CT 06073-3202
7.	E13/1680/W0005	232 Dayton Road	Stephen Wieda and Joan C. McQuillan 232 Dayton Road South Glastonbury, CT 06073-3202

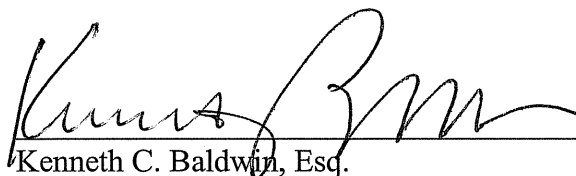
8.	E13/1680/E0009A	Dayton Road	John H. Nye, Jr. Est. Et Al 451 Butterbrush Twin Falls, ID 83301
----	-----------------	-------------	--

CERTIFICATION OF SERVICE

I hereby certify that a copy of the foregoing letter was sent by certified mail, return receipt requested, to each of the parties on the attached lists of abutting landowners.

September 17, 2009

Date



Kenneth C. Baldwin, Esq.

Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103

Attorneys for CELLCO PARTNERSHIP d/b/a
VERIZON WIRELESS

ADJACENT PROPERTY OWNERS

SITE NAME: SITE 2 – GLASTONBURY SOUTH 2

OWNER NAME: JOSEPH L. A. ROBERT AND HOMER SCOVILLE

OWNER ADDRESS: DAYTON ROAD, SOUTH GLASTONBURY, CONNECTICUT

ASSESSOR'S REFERENCE: MAP: E14 STREET: 1680 LOT: W0007

THE FOLLOWING INFORMATION WAS COLLECTED FROM THE TAX ASSESSOR'S RECORDS AND LAND RECORDS OF GLASTONBURY TOWN HALL, GLASTONBURY, CONNECTICUT. THE INFORMATION IS CURRENT AS OF SEPTEMBER 14, 2009.

THE PARCEL IS ZONED CR RESIDENTIAL.

	<u>Parcel ID</u>	<u>Property Address</u>	<u>Property Owner</u>
1.	E14/1680/W0008	Dayton Road	Janice P. Wasserman 400 Dayton Road South Glastonbury, CT 06073
2.	E13/1680/E0008	271 Dayton Road	Howard M. Schwager, Trustee 271 Dayton Road South Glastonbury, CT 06073
3.	E13/1680/E0009A	Dayton Road	John H. Nye, Jr. Est. Et Al 451 Butterbrush Twin Falls, ID 83301
4.	E13/1680/E0009	Dayton Road	Carmine J. and Deborah Esposito 56 Cotswold Close Glastonbury, CT 06033
5.	E13/1680/W0006	280 Dayton Road	John R. and Mary S. Victorick 280 Dayton Road South Glastonbury, CT 06073
6.	D13/4140/E0168	290 Main Street	Joseph E. and Christine B. Carollo P.O. Box 144 South Glastonbury, CT 06073
7.	D14/4140/E0169	268 Main Street	Janet Thompson and Lynn Sikorski 268 Main Street South Glastonbury, CT 06073

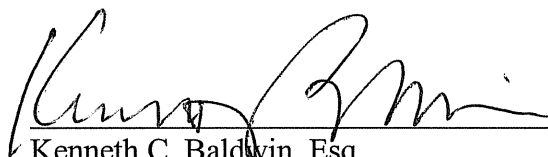
	<u>Parcel ID</u>	<u>Property Address</u>	<u>Property Owner</u>
8.	D14/4140/E172A	202 Main Street	Jonathan P. and Tracy A. Aszkler 202 Main Street South Glastonbury, CT 06073
9.	D14/5820/S0005	48 Raymond Road	Walter K. and Lorraine Smith 28 Raymond Road South Glastonbury, CT 06073
10.	D14/5820/N0005	51 Raymond Road	Michael R. and Susan M. Sanders 51 Raymond Road South Glastonbury, CT 06073

CERTIFICATION OF SERVICE

I hereby certify that a copy of the foregoing letter was sent by certified mail, return receipt requested, to each of the parties on the attached lists of abutting landowners.

September 17, 2009

Date



Kenneth C. Baldwin, Esq.

Robinson & Cole LLP

280 Trumbull Street

Hartford, CT 06103

Attorneys for CELLCO PARTNERSHIP d/b/a
VERIZON WIRELESS

ULS License

Cellular License - KNKA404 - Cellco Partnership

Call Sign	KNKA404	Radio Service	CL - Cellular
Status	Active	Auth Type	Regular

Market

Market	CMA032 - Hartford-New Britain-Bristol, CT	Channel Block	A
Submarket	0	Phase	2

Dates

Grant	02/05/2008	Expiration	01/22/2018
Effective	02/08/2008	Cancellation	

Five Year Buildout Date

10/16/1992

Control Points

1 500 W. Dove Rd., TARRANT, Southlake, TX
P: (800)264-6620

Licensee

FRN	0003290673	Type	General Partnership
-----	------------	------	---------------------

Licensee

Cellco Partnership 1120 Sanctuary Pkwy, #150 GASA5REG Alpharetta, GA 30004 ATTN Regulatory	P:(770)797-1070 F:(770)797-1036 E:Network.Regulatory@VerizonWireless.com
---	--

Contact

Verizon Wireless Sonya R Dutton 1120 Sanctuary Pkwy #150 GASA5REG Alpharetta, GA 30004 ATTN Network Regulatory	P:(770)797-1070 F:(770)797-1036 E:Network.Regulatory@VerizonWireless.com
--	--

Ownership and Qualifications

Radio Service Type	Mobile		
Regulatory Status	Common Carrier	Interconnected	Yes

Alien Ownership

Is the applicant a foreign government or the representative of any foreign government?	No
Is the applicant an alien or the representative of an alien?	No
Is the applicant a corporation organized under the laws of any foreign government?	No
Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	No
Is the applicant directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or	Yes

representative thereof, or by any corporation organized under the laws of a foreign country?

If the answer to the above question is 'Yes', has the applicant received a ruling(s) under Section 310(b)(4) of the Communications Act with respect to the same radio service involved in this application? **Yes**

Basic Qualifications

The Applicant answered "No" to each of the Basic Qualification questions.

Demographics

Race

Ethnicity

Gender

ULS License

PCS Broadband License - KNLH251 - Cellco Partnership

Call Sign	KNLH251	Radio Service	CW - PCS Broadband
Status	Active	Auth Type	Regular

Market

Market	BTA184 - Hartford, CT	Channel Block	F
Submarket	0	Associated Frequencies (MHz)	001890.00000000-001895.00000000-001970.00000000-001975.00000000

Dates

Grant	07/23/2007	Expiration	06/27/2017
Effective	07/23/2007	Cancellation	

Buildout Deadlines

1st	06/27/2002	2nd	
-----	------------	-----	--

Notification Dates

1st	05/17/2002	2nd	
-----	------------	-----	--

Licensee

FRN	0003290673	Type	Joint Venture
-----	------------	------	---------------

Licensee

Cellco Partnership 1120 Sanctuary Pkwy, #150 GASA5REG Alpharetta, GA 30004 ATTN Regulatory	P:(770)797-1070 F:(770)797-1036 E:Network.Regulatory@VerizonWireless.com
---	--

Contact

Verizon Wireless Sonya R Dutton 1120 Sanctuary Pkwy, #150 GASA5REG Alpharetta, GA 30004 ATTN Regulatory	P:(770)797-1070 F:(770)797-1036 E:Network.Regulatory@VerizonWireless.com
---	--

Ownership and Qualifications

Radio Service Type Mobile

Regulatory Status	Common Carrier	Interconnected	Yes
-------------------	----------------	----------------	-----

Alien Ownership

Is the applicant a foreign government or the representative of any foreign government?	No
Is the applicant an alien or the representative of an alien?	No
Is the applicant a corporation organized under the laws of any foreign government?	No
Is the applicant a corporation of which more than one-fifth of	No

the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?

Is the applicant directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country? **Yes**

If the answer to the above question is 'Yes', has the applicant received a ruling(s) under Section 310(b)(4) of the Communications Act with respect to the same radio service involved in this application?

Basic Qualifications

The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits

This license did not have tribal land bidding credits.

Demographics

Race

Ethnicity

Gender

REFERENCE COPY

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
 CELLCO PARTNERSHIP
 1120 SANCTUARY PKWY #150 - GASA5REG
 ALPHARETTA, GA 30004

Call Sign WQJQ689	File Number 0003382444
Radio Service WU - 700 MHz Upper Band (Block C)	

FCC Registration Number (FRN): 0003290673

Grant Date 11-26-2008	Effective Date 11-26-2008	Expiration Date 02-17-2019	Print Date 12-03-2008
Market Number REA001	Channel Block C	Sub-Market Designator 0	
Market Name Northeast			
1st Build-out Date 02-17-2013	2nd Build-out Date 02-17-2019	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

If the facilities authorized herein are used to provide broadcast operations, whether exclusively or in combination with other services, the licensee must seek renewal of the license either within eight years from the commencement of the broadcast service or within the term of the license had the broadcast service not been provided, whichever period is shorter in length. See 47 CFR §27.13(b).

This authorization is conditioned upon compliance with section 27.16 of the Commission's rules

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

To view the geographic areas associated with the license, go to the Universal Licensing System (ULS) homepage at <http://wireless.fcc.gov/uls> and select "License Search". Follow the instructions on how to search for license information.

REFERENCE COPY

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
 CELLCO PARTNERSHIP
 1120 SANCTUARY PKWY #150 - GASASREG
 ALPHARETTA, GA 30004

Call Sign WQJQ696	File Number 0003382435
Radio Service WY - 700 MHz Lower Band (Blocks A, B, E)	

FCC Registration Number (FRN): 0003290673

Grant Date 11-26-2008	Effective Date 11-26-2008	Expiration Date 02-17-2019	Print Date 12-03-2008
Market Number BEA010	Channel Block A	Sub-Market Designator 0	
Market Name New York-No. New Jer.-Long Isl			
1st Build-out Date 02-17-2013	2nd Build-out Date 02-17-2019	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

If the facilities authorized herein are used to provide broadcast operations, whether exclusively or in combination with other services, the licensee must seek renewal of the license either within eight years from the commencement of the broadcast service or within the term of the license had the broadcast service not been provided, whichever period is shorter in length. See 47 CFR §27.13(b).

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

To view the geographic areas associated with the license, go to the Universal Licensing System (ULS) homepage at <http://wireless.fcc.gov/uls> and select "License Search". Follow the instructions on how to search for license information.