

CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS

Connecticut Siting Council

APPLICATION OF CELLCO PARTNERSHIP
D/B/A VERIZON WIRELESS

SUFFIELD SW FACILITY

DOCKET NO. _____

JULY 9, 2010



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EXECUTIVE SUMMARY

Cellco Partnership d/b/a Verizon Wireless (“Cellco” or “Applicant”), proposes to construct a telecommunications tower and related facility (the “Suffield SW Facility”) in the southwest portion of the Town of Suffield. The Suffield SW Facility will provide coverage and capacity relief to Cellco customers primarily along portions of Routes 187 and 168, as well as local roads in the southwest portion of Suffield.

The proposed facility would be located on a 17.57 acre parcel at 174 South Grand Street in Suffield. At this site, Cellco proposes the construction of a 120-foot telecommunications tower. Cellco will install fifteen (15) panel-type antennas, with their centerline at the 120-foot level on the tower. The top of Cellco’s antennas will extend to an overall height of approximately 123 feet above ground level. Cellco would also install a 12’ x 24’ 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 60’ x 60’ fenced compound. Vehicular access to the facility would extend from South Grand Street over the property owner’s existing gravel driveway, a distance of approximately 300 feet, then over a new gravel driveway extension to the cell site, an additional distance of approximately 600 feet. Utilities will extend from existing service along South Grand Street.



Vanasse Hangen Brustlin, Inc.

**USGS Topographic Map
 Proposed Verizon Wireless
 Telecommunications Facility
 Suffield Southwest
 174 South Grand Street
 Suffield, 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
Suffield Southwest
174 South Grand Street
Suffield, Connecticut



Quadrangle Location



**STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL**

IN RE: :
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 :
APPLICATION OF CELLCO PARTNERSHIP : **DOCKET NO. ____**
D/B/A VERIZON WIRELESS FOR A :
CERTIFICATE OF ENVIRONMENTAL :
COMPATIBILITY AND PUBLIC NEED FOR :
THE CONSTRUCTION, MAINTENANCE :
AND OPERATION OF A WIRELESS :
TELECOMMUNICATIONS FACILITY AT :
174 SOUTH GRAND STREET, SUFFIELD, : **JULY 9, 2010**
CONNECTICUT

**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” or “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 174 South Grand Street in the southwest portion of the Town of Suffield, Connecticut (the “Suffield SW Facility”). The proposed Suffield SW Facility would provide wireless telecommunications coverage and capacity relief to Cellco customers traveling along portions of Routes 168 and 187,

as well as local roads and residential and commercial areas in southwest Suffield. These coverage gaps exist at both cellular and PCS frequencies between Cellco's existing facilities in and around the Town of Suffield.

Cellco currently maintains seven (7) wireless facilities within four (4) miles of the proposed Suffield SW Facility. The facilities are identified as Cellco's Suffield, Suffield South, Suffield West, Suffield NE, Bradley Airport, East Granby and Agawam 3 cell sites.

Cellco's Suffield cell site consists of antennas at the 90-foot level of a 100-foot tower at 44 Fyler Place in Suffield, approximately 2.3 miles east of the proposed Suffield SW Facility. Cellco's Suffield South cell site consists of antennas at the 90-foot level of a 100-foot tower at 55 King Spring Road in Windsor Locks, approximately 3.5 miles southeast of the proposed Suffield SW Facility. Cellco's Suffield West cell site consists of antennas at the 90-foot level of a 192-foot tower at 2715 Mountain Road, approximately 2.2 miles northwest of the Suffield SW Facility. Cellco's Suffield NE cell site consists of antennas at the 95-foot level on a 103-foot water tank at 639 North Street in Suffield, approximately 2.8 miles northeast of the Suffield SW Facility. Cellco's Bradley Airport cell site consists of antennas at the 43-foot level on the roof of the parking garage at Bradley Airport in Windsor Locks, approximately 4 miles south of the Suffield SW Facility. Cellco's East Granby cell site consists of antennas at the 75-foot level of a 75-foot tower off Newgate Road in East Granby, approximately 2.8 miles southwest of the Suffield SW Facility. Cellco's Agawam 3 (Massachusetts) cell site consists of antennas at the 137-foot level of a 160-foot tower at 850 South Westfield Road in Agawam, Massachusetts, approximately 3.8 miles north of the Suffield SW Facility.

The proposed Suffield SW Facility would be located in the easterly portion of an approximately 17.57 acre parcel at 174 South Grand Street in Suffield. At this site, Cellco would construct a 120-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) at a centerline height of 120-feet above ground level (“AGL”). The top of Cellco’s antennas would extend to an overall height of approximately 123 AGL. Equipment associated with Cellco’s antennas and an emergency back-up generator would be located in a 12’ x 24’ shelter installed near the base of the tower within a 60’ x 60’ fenced compound. Vehicular access to the facility would extend from South Grand Street over a portion of an existing gravel driveway, a distance of approximately 300 feet, then along a gravel driveway extension an additional distance of approximately 600 feet. Utilities will extend underground from existing service along South Grand Street.

The proposed facility will provide reliable wireless service to a 3.53 mile portion of Route 168 a 3.9 mile portion of Route 187 and an overall area of 11.82 square miles at 850 MHz frequencies; a 2.7 mile portion of Route 168, a 3.16 mile portion of Route 187, and an overall area of 6.9 square miles at 1900 MHz frequencies; and a 3.11 mile portion of Route 168, a 4.15 mile portion of Route 187, and an overall area of 13.71 square miles at 700 MHz frequencies.

The proposed facility is located in the Town’s Residence (R-45) zone district. The tower and facility compound 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.

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 Attachment 1, is a factual summary and project plans for the proposed facility. This summary, 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.

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.

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

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.

C. Application Fee

The estimated total construction cost for the 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 \$1,250 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 2.

Notice of Cellco's intent to submit this Application was published on July 7th and July 8th, 2010, by Cellco in the *Journal Inquirer* pursuant to C.G.S. Section 16-50I(b). A copy of the published legal notice is included as Attachment 3. An Affidavit of Publication will be submitted as soon as it is available.

Attachment 4 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 facility would be located in accordance with C.G.S. Section 16-50I(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 facility proposed to be installed in Suffield.

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 Suffield SW 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 5 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 Suffield SW 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 portions of Suffield and the surrounding areas from its existing cell sites in the area. Plots showing coverage from Cellco's existing surrounding facilities alone and together with the coverage from the proposed Suffield SW Facility are included as Attachment 6.

2. System Design and Equipment

a. System Design

Cellco's wireless system in general and the proposed Suffield SW 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 7.

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 southwest Suffield 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 facility will satisfy this goal and is necessary to resolve existing coverage problems and to provide high-quality reliable service primarily along portions of Routes 168 and 187, as well as local roads and residential and commercial land uses in Suffield.

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 8. Cellco currently shares the existing towers and utilizes existing structures in the area including those sites identified on the coverage maps. (See Attachment 6). Cellco cannot satisfy its coverage objectives for the Suffield SW search area from these existing cell sites. 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 southwest Suffield. Cellco initiated a site search process for the Suffield SW cell site in July, 2008 and identified the property at 174 South Grand Street as a viable candidate for a cell site. Cellco determined that an antenna centerline height of 120 feet at this location would satisfy its coverage objectives in the area. The site search summary together with the site information contained in Attachment 1 support Cellco's position that the site selected represents 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 Suffield SW Facility.

D. Cell Site Information

1. Site Facilities

At the proposed cell site, the Applicant would construct a new 120-foot tall monopole tower and install fifteen (15) panel-type directional antennas at the top of the tower. Cellco's antennas would extend above the top of the tower to an overall height of approximately 123 feet AGL. Cellco would install a 12' x 24' single-story shelter near the base of the 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 Attachment 1).

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 Suffield.¹ The Suffield SW 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 proposed facility, whether alone or cumulatively with other effects, on, and conflicting with the policies of

¹ 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.

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.

a. **Primary Facility Impact is Visual**

The wireless system of which the proposed Suffield SW 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. Attachment 9 contains Visual Resource Evaluation Report, prepared by VHB, Inc. (the “VHB Reports”) for the proposed facility. Each report includes photosimulations for the Council’s review and consideration.

(1) **Visibility**

According to the VHB Report, areas where the tower would be visible above the tree canopy comprise approximately 46 acres or approximately one-half of one percent of the 8,042 acre study area. Most of the areas of potential year-round visibility associated with the tower occurs, along select portions of South Grand Street; in open fields adjacent to South Grand Street; along portions of Routes 168 northeast of the tower site; and along South Grand Street south of the tower

site. Areas where seasonal views are anticipated comprise of approximately 98 additional acres and are generally located in the area immediately surrounding the facility.

There are seventeen (17) residences within 1,000 feet of the facility, including the Property Owner's residence. The closest off-site residence is located at 128 South Grand Street, approximately 612 feet to the west of the site. The property at 128 South Grand Street is listed on Cellco's abutting properties list behind Attachment 4 of this Application.

Weather permitting, the Applicant will raise balloons with a diameter of at least three (3) feet at the proposed tower location 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, as a part of the National Environmental Policy Act ("NEPA") Checklist, each solicit comments on the proposed facility 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 10.

According to the USFWS letter dated January 4, 2010, and Dean Gustafson's memorandum dated March 29, 2010, no federally-listed or proposed, threatened or endangered species or critical habitat are known to occur in Suffield, Connecticut.

Also included in Attachment 10 is correspondence from the SHPO confirming that the proposed facility will have no adverse effect on the historic character of or on historic properties in West Suffield.

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 850 MHz, 1900 MHz and 700 MHz antennas would be 23.13% of the Standard.

d. Other Environmental Issues

No sanitary facilities are required for the proposed facility. The operations at the Suffield SW 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 project team, the Applicant submits that the proposed facility will have no significant adverse effect on scenic,

natural, historic or recreational features, and that none of the potential effects, either 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 April, 2010, 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 facility would be located on an approximately 17.57 acre parcel owned by Darian and Robert Paganelli. The Paganelli parcel is zoned Residential (R-45). The Paganelli parcel is used for residential purposes.

b. **Suffield Plan of Conservation and Development**

The Town of Suffield Plan of Conservation & Development (the "Plan"), does not identify telecommunications towers as a land use consistent or inconsistent with the general planning and conservation policies of the Town of Suffield. Four (4) copies of the Plan were filed, in bulk, with the Council.

c. **Zoning Regulations**

According to the Town's Zoning Map, the Property is located in the R-45 zone district. Pursuant to Section V. R of the Suffield Zoning Regulations, towers under municipal jurisdiction are permitted in the R-45 zone subject to the approval of a Special Permit. The Town of Suffield has established certain "location preferences" for wireless telecommunications facilities. They are, in order of preference:

- i. On existing structures (e.g. buildings, water tank).
- ii. On existing towers.
- iii. On new towers less than 75' tall in commercial and industrial zones.
- iv. On new towers less than 75' tall in residential zones.
- v. On new towers taller than 75' in commercial and industrial zones.
- vi. On new towers taller than 75' in residential zones.

The proposed Suffield SW Facility is compliant with the applicable "General Requirements" listed in Section V.R.8 of the Zoning Regulations as follows:

- i. The tower is located more than 200' from the nearest residence and more than 1000' from the nearest Historic District.
- ii. The tower is a monopole structure, does not require any FAA marking or lighting and will maintain a dull gray finish.
- iii. The tower and facility compound will not maintain any advertising signage and will be designed to accommodate multiple carriers.
- iv. The proposed facility will not interfere with public safety communications and will operate in compliance with the RF emissions standards established by the FCC.
- v. All utilities servicing the facility will be installed underground and the facility generator will comply with all applicable noise regulations.

Four (4) copies of the Suffield Zoning Regulations were filed, in bulk, with the Council.

d. Inland Wetland and Water Course Regulations

The Regulations of the Suffield Conservation Commission (the “Wetland Regulations”) define Regulated Activity as any operation within, or use of, a wetland or watercourse or deposition of material; any activity within 50 feet of a wetland or 100 feet of any named brook, stream or river. Four (4) copies of the Suffield IWW Regulations were filed, in bulk, with the Council.

Dean Gustafson, Professional Soil Scientist with VHB, Inc., conducted a field investigation and completed a Wetland Compliance memorandum for development for the proposed Suffield SW Facility. The closest wetland area is located approximately 75 feet to the east of the proposed tower compound. The closest watercourse feature to the tower compound is located 230 feet to the south. In his compliance memorandum, Mr. Gustafson concludes that “the proposed Verizon Wireless development will not result in a likely adverse impact to nearby wetlands or watercourses.” Copies of the Wetlands Compliance memorandum are included in Attachment 11.

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.

According to the Federal Emergency Management Agency Flood Insurance Rate Map (“FIRM”), Map Number 09003C0202F (Map Effective: September 26, 2008), the proposed

Suffield SW Facility would be located in Flood Zone X. A copy of the FIRM is also included in Attachment 11.

5. Local Input

Section 16-50l(e) of the Connecticut General Statutes, as amended, requires local input on matters before the Council. On April 22, 2010, Cellco representatives met with Suffield's First Selectman, Thomas Frenaye, to commence the sixty (60) day municipal consultation process. Mr. Frenaye received copies of technical information summarizing Cellco's plans to establish a telecommunications facility in Suffield. At the request of the First Selectman, Cellco hosted a Public Information Meeting ("PIM") at the Suffield Town Hall on May 20, 2010. At the time of the PIM, a second tower site was still being considered by Cellco, as an alternative to the Paganelli parcel. (See listing for the Demko property in the Site Search Summary – Attachment 8). Notice of the PIM was sent to the owners of property abutting the Paganelli and Demko parcels and was published on May 6, 2010 in the *Journal Inquirer*. At this PIM, Cellco discussed the details of the proposed Suffield SW Facility proposed, its need for a facility in the area and the Connecticut Siting Council application process.

Prior to the commencement of the formal Section 16-50l(e) process, Cellco spent considerable time discussing, with the Town, an alternative cell site at the Town-owned Bruce Park. (See Attachment 8-Site Search Summary – Site No. 3). The Town ultimately withdrew this site from consideration after it determined that a use restriction would not permit the development of a tower on this parcel.

6. Consultations With State and Federal Officials

Attachment 10 and Section III.D. of the Application describe Cellco's consultations with state and federal officials regarding Cellco's proposed facility.

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 conducted separate air-space analysis for the proposed facility to determine if the proposed tower would constitute an obstruction or hazard to air navigation. This analysis has confirmed, pursuant to FAA standards and guidelines the proposed towers would not constitute an obstruction or hazard to air navigation. Therefore, no obstruction marking or lighting would be required. A copy of the Aviation Systems, Inc., Airspace Obstruction Report is included in Attachment 12.

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 10).

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 the Property. (See correspondence contained behind Attachment 10).

(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 Suffield SW Facility.

e. **Connecticut State Historic Preservation Officer**

As discussed above, Attachment 10 also includes the SHPO's determination that the development of the Suffield SW Facility will have no adverse effect on the historic character of West Suffield.

E. **Estimated Cost and Schedule**

1. **Overall Estimated Costs**

The total estimated cost of construction for the Suffield SW Facility is \$795,000. 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 | 125,000 |

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 submits that the establishment of the Suffield SW Facility, will not have any substantial adverse environmental effects. A public need exists for high quality reliable wireless service in the Town of Suffield 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 Suffield SW 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

SUFFIELD SW

**174 South Grand Street
Suffield, Connecticut**

Description of Proposed Cell Site

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

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| FACILITIES AND EQUIPMENT SPECIFICATION..... | 6 |
| ENVIRONMENTAL ASSESSMENT STATEMENT..... | 7 |

SITE NAME: SUFFIELD SW – 174 South Grand Street, Suffield, CT

GENERAL CELL SITE DESCRIPTION

The proposed cell site would be located within a 60' x 60' fenced compound within an 100' x 100' leased area in the easterly portion of an approximately 17.57 acre parcel ("Property") owned by Darian and Robert Paganelli. The Property is located on the east side of South Grand Street in Suffield (the "Suffield SW Facility"). The Suffield SW Facility would consist of a 120-foot telecommunications tower and a 12' x 24' equipment shelter located near the base of the tower. Cellco antennas would be mounted at the top of the tower with their centerline at the 120-foot level. The top of the Cellco antennas would extend above the top of the tower to a height of approximately 123 feet above ground level. Vehicular access to the site would extend from South Grand Street over the property owners existing driveway a distance of approximately 300 feet, then over a new gravel driveway extension to the cell site an additional distance of approximately 600 feet to the site compound. Utility service would extend underground from South Grand Street to the cell site.

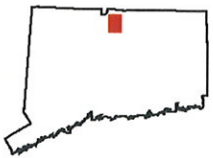


Base Map Source: USGS 7.5 Minute Topographic Quadrangle Maps, West Springfield (1979) and Windsor Locks (1984)



Vanasse Hangen Brustlin, Inc.

USGS Topographic Map
Proposed Verizon Wireless
Telecommunications Facility
Suffield Southwest
174 South Grand Street
Suffield, 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
Suffield Southwest
174 South Grand Street
Suffield, Connecticut



Quadrangle Location



SITE EVALUATION REPORT

SITE NAME: SUFFIELD SW – 174 South Grand Street, Suffield, CT

I. LOCATION

- A. COORDINATES: 41°-59'-13.33" N 72°-42'-07.52" W
- B. GROUND ELEVATION: Approximately 192± feet AMSL
- C. USGS MAP: Windsor Locks, CT
- D. SITE ADDRESS: 174 South Grand Street, Suffield, CT
- E. ZONING WITHIN 1/4 MILE OF SITE: Land within 1/4 mile of the cell site is in the Residential R-45 zone designation.

II. DESCRIPTION

- A. SITE SIZE: 100' x 100' Leased Area
60' x 60' Fenced Compound
- B. LESSOR'S PARCEL: Approximately 17.57 acres
- C. TOWER TYPE/HEIGHT: 120' Monopole Tower
123' Top of Antennas
- D. SITE TOPOGRAPHY AND SURFACE: Topography in the area of the site is generally flat. Clearing and grading for construction of the site compound and access driveway will be minimal. No tree clearing will be required to construct the cell site.
- E. SURROUNDING TERRAIN, VEGETATION, WETLANDS, OR WATER: The tower is located in the easterly portion of a 17.57 acre parcel used for residential purposes. Land surrounding the parcel is generally flat. The closest wetland area is located off the Property approximately 75 feet to the east of the Suffield SW Facility compound.
- F. LAND USE WITHIN 1/4 MILE OF SITE: The Suffield SW Facility is located on a 17.57 acre residential parcel. The property is surrounded by low density residential and active agricultural uses. (See Aerial Photograph at p. 3).

III. FACILITIES

- A. POWER COMPANY: Connecticut Light and Power
- B. POWER PROXIMITY TO SITE: Approximately 900 feet along access road to South Grand Street to the west of the cell site.
- C. TELEPHONE COMPANY: AT&T
- D. PHONE SERVICE PROXIMITY: Same as power
- E. VEHICLE ACCESS TO SITE: Vehicle access to the site would extend from South Grand Street over an existing gravel driveway a distance of 300 feet then over a new gravel driveway extension an additional distance of 600 feet.
- F. CLEARING AND FILL REQUIRED: No tree clearing and minimal grading would be required for construction of the tower, site compound and access drive. Detailed construction plans would be developed after approval by the Siting Council.

IV. LEGAL

- A. PURCHASE [] LEASE [X]
- B. OWNER: Darian and Robert Paganelli
- C. ADDRESS: 174 South Grand Street, Suffield, CT 06281
- D. DEED ON FILE AT: Town of Suffield, CT Land Records

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ENVIRONMENTAL ASSESSMENT STATEMENT

SITE NAME: SUFFIELD SW – 174 South Grand Street, Suffield, 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 facility. There are no lakes, ponds, rivers, streams, wetlands or other regulated bodies of water located in the area to be used for the access drive, tower or equipment shelter. The equipment used will not discharge any pollutants to area surface or groundwater systems. The closest wetland area is located off-site, approximately 75 feet to the east of the Suffield SW Facility compound.

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 the 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 clearing and grading of the tower compound and access drive will be required. The remaining land of the Lessor would remain unchanged by the construction and operation of the cell site.

D. NOISE

The equipment to be in operation at the site 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 Suffield SW Facility would be 23.13% of the Standard.

F. VISIBILITY

See Visual Resource Evaluation Report included as Attachment 10.

Cellco Partnership

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

WIRELESS COMMUNICATIONS FACILITY

SUFFIELD SW

174 SOUTH GRAND STREET
WEST SUFFIELD, CT 06093

SITE DIRECTIONS

| FROM: | TO: | |
|---|---|--------|
| 99 EAST RIVER DRIVE EAST HARTFORD, CONNECTICUT | 174 SOUTH GRAND STREET WEST SUFFIELD, CT 06093 | |
| 1. Start out going EAST on E RIVER DR toward DARLIN ST. | | 0.3 mi |
| 2. Turn LEFT to stay on E RIVER DR. | | 0.1 mi |
| 3. Turn LEFT onto CONNECTICUT BLVD/US-44. | | 0.2 mi |
| 4. Turn LEFT onto ramp. | | 0.1 mi |
| 5. Merge onto I-84 W/US-44 W/US-6 W. | | 0.3 mi |
| 6. Merge onto I-91 N via EXIT 51 toward SPRINGFIELD. | | 8.4 mi |
| 7. Merge onto CT-20 W via EXIT 40 toward BRADLEY INTERNATIONAL AIRPORT. | | 3.5 mi |
| 8. Merge onto CT-20 W toward E. GRANBY/GRANBY. | | 2.6 mi |
| 9. Turn RIGHT onto N MAIN ST/CT-187. | | 2.3 mi |
| 10. Turn SLIGHT RIGHT onto CT-187. | | 0.5 mi |
| 11. Turn LEFT onto S GRAND ST/CT-187. | | 0.5 mi |
| 12. 174 S GRAND ST is on the RIGHT. | | 0.0 mi |

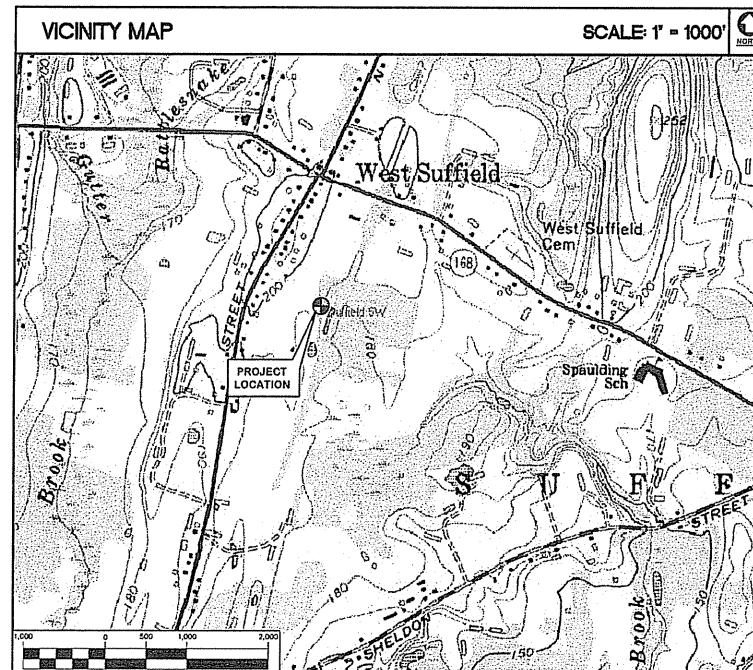
GENERAL NOTES

- PROPOSED ANTENNA LOCATIONS AND HEIGHTS PROVIDED BY CELCO PARTNERSHIP.

SITE INFORMATION

THE SCOPE OF WORK SHALL INCLUDE:

- THE CONSTRUCTION OF A 60'x60' FENCED WIRELESS COMMUNICATIONS COMPOUND WITHIN A 100'x100' LEASE AREA.
- A TOTAL OF UP TO FIFTEEN (15) DIRECTIONAL PANEL ANTENNAS ARE PROPOSED TO BE MOUNTED AT A CENTERLINE ELEVATION OF 120'-0"± AGL ON A 120' PROPOSED STEEL MONOPOLE TOWER LOCATED WITHIN THE PROPOSED COMPOUND.
- TOTAL ACCESS DRIVE LENGTH IS 900'± AND IS ROUTED ALONG AN EXISTING DIRT/GRASS PATH WHICH WILL BE UTILIZED/IMPROVED FOR SITE ACCESS.
- 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'x24' WIRELESS EQUIPMENT SHELTER LOCATED WITHIN THE COMPOUND.
- FINAL DESIGN FOR TOWER AND ANTENNA MOUNTS SHALL BE INCLUDED IN THE D&M DOCUMENTS.
- THE PROPOSED WIRELESS FACILITY INSTALLATION WILL BE DESIGNED IN ACCORDANCE WITH THE 2003 INTERNATIONAL BUILDING CODE AS MODIFIED BY THE 2009 CONNECTICUT SUPPLEMENT.
- THERE WILL NOT BE ANY LIGHTING UNLESS REQUIRED BY THE FCC OR THE FAA.
- THERE WILL NOT BE ANY SIGNS OR ADVERTISING ON THE ANTENNAS OR EQUIPMENT.
- FOR ADDITIONAL NOTES AND DETAILS REFER TO THE ACCOMPANYING DRAWINGS.



PROJECT SUMMARY

| | |
|--------------------|--|
| SITE NAME: | SUFFIELD SW |
| SITE ADDRESS: | 174 SOUTH GRAND STREET WEST SUFFIELD, CT 06093 |
| PROPERTY OWNER: | DARIAN P. & ROBERT G. PAGANELLI 174 SOUTH GRAND STREET W. SUFFIELD, CT 06093 |
| LESSEE/TENANT: | CELCO PARTNERSHIP d.b.a. VERIZON WIRELESS 99 EAST RIVER DRIVE EAST HARTFORD, CT 06108 |
| CONTACT PERSON: | SANDY CARTER CELCO PARTNERSHIP d.b.a. VERIZON WIRELESS 99 EAST RIVER DRIVE EAST HARTFORD, CT 06108 |
| ENGINEER: | CEN TEK, INC. 63-2 NORTH BRANFORD ROAD BRANFORD, CT 06405 |
| TOWER COORDINATES: | LATITUDE 41°-59'-13.333" LONGITUDE 72°-42'-07.515" GROUND ELEVATION: 192.3'± A.M.S.L. (PROPOSED) COORDINATES REFERENCED FROM FAA 2C SURVEY CERTIFICATION PREPARED BY MARTINEZ COUCH AND ASSOCIATES DATED AUGUST 12, 2009, REVISED JUNE 21, 2010. |

SHEET INDEX

| SHT. NO. | DESCRIPTION | REV. NO. |
|----------|--|----------|
| T-1 | TITLE SHEET | 1 |
| C-1 | ABUTTERS MAP | 1 |
| C-1A | PARTIAL SITE / 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: DMD
CHK'D BY: CFC

| ISSUED FOR | DATE | BY | DESCRIPTION |
|----------------|----------|-----|---------------|
| ISSUED FOR CSC | 06/29/10 | CFC | |
| ISSUED FOR CSC | 06/29/10 | CFC | CLIENT REVIEW |
| ISSUED FOR CSC | 06/29/10 | CFC | DESCRIPTION |



Cellco Partnership
d.b.a. Verizon Wireless

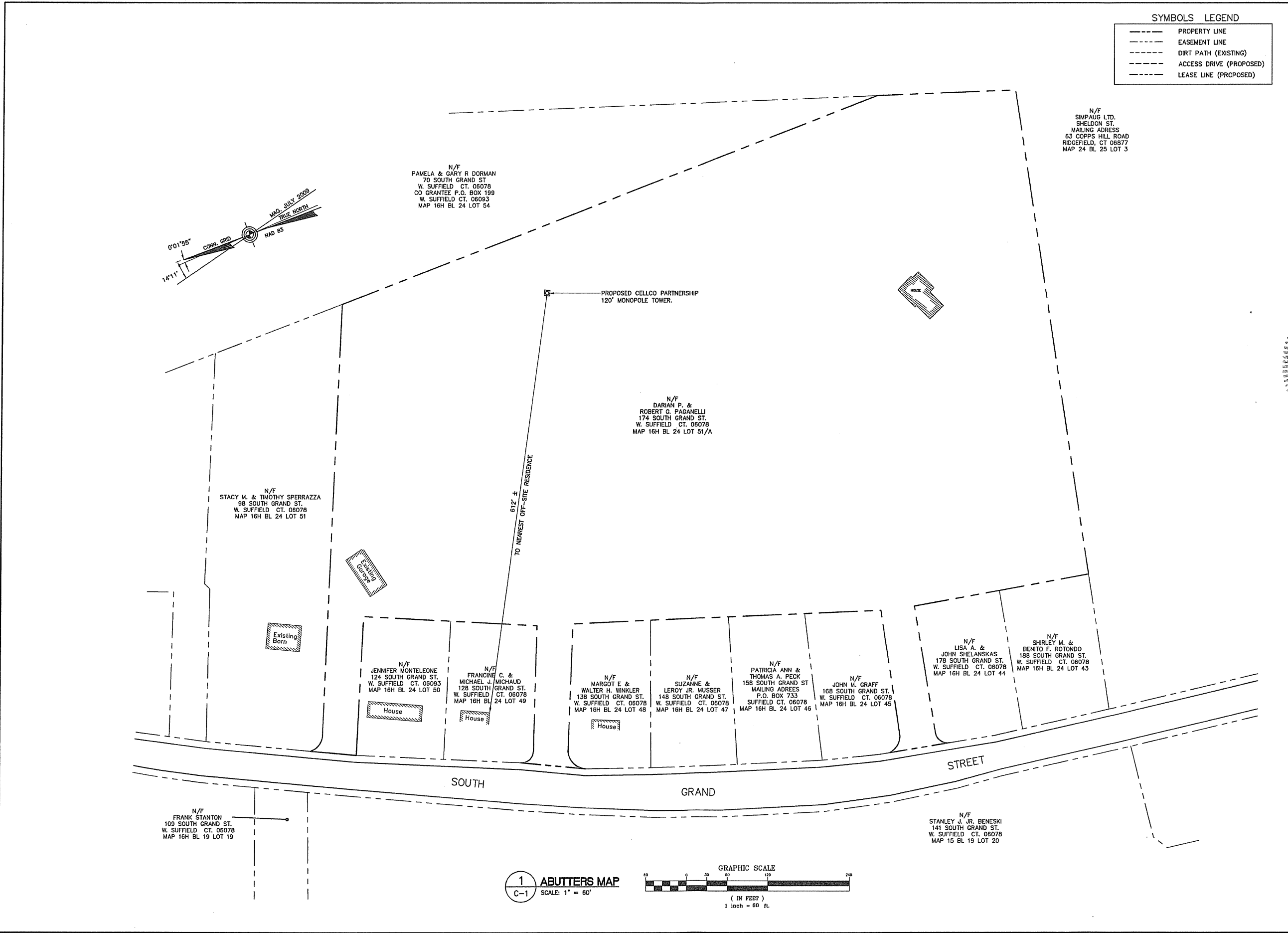
CEN TEK engineering
Continued on Submittal
(203) 489-0580
(203) 489-5557 Fax
10 Road
Branford, CT 06405
www.cenitek.com

Cellco Partnership d/b/a Verizon Wireless
WIRELESS COMMUNICATIONS FACILITY
SUFFIELD SW
174 SOUTH GRAND STREET
WEST SUFFIELD, CT 06093

DATE: 06/29/10
SCALE: AS NOTED
JOB NO. 09062

TITLE SHEET

T-1
Sheet No. 1 of 7



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

| DATE | ISSUED FOR | BY | DESCRIPTION |
|----------|----------------|-----|---------------|
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| 06/29/10 | ISSUED FOR CSC | DMD | CLIENT REVIEW |
| 06/29/10 | ISSUED FOR CSC | CFC | CLIENT REVIEW |
| 06/29/10 | ISSUED FOR CSC | DMD | CLIENT REVIEW |
| 06/29/10 | ISSUED FOR CSC | CFC | CLIENT REVIEW |
| 06/29/10 | ISSUED FOR CSC | DMD | CLIENT REVIEW |

PROFESSIONAL ENGINEER
 No. 13604
 STATE OF CONNECTICUT
 d.b.a. Verizon Wireless

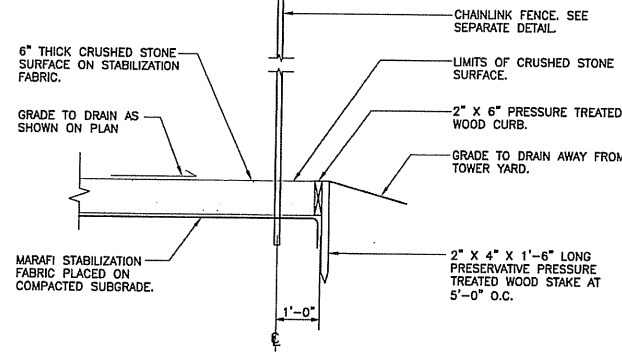
CENITEK engineering
 Continued on Solution
 (203) 488-0580
 (203) 488-8587 Fax
 43-2 North Branford Road
 Branford, CT 06405
 www.Cenitek.com

Cellco Partnership d/b/a Verizon Wireless
 WIRELESS COMMUNICATIONS FACILITY
SUFFIELD SW
 174 SOUTH GRAND STREET
 WEST SUFFIELD, CT 06093

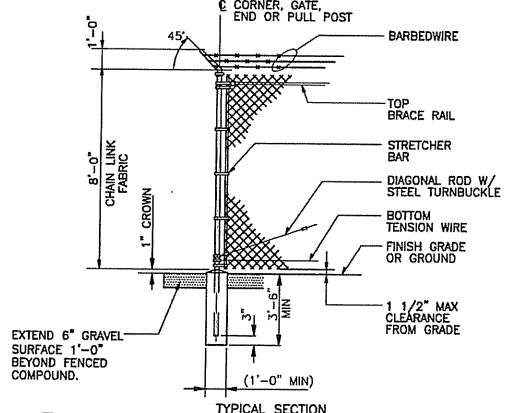
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 SCALE: AS NOTED
 JOB NO. 09062

ABUTTERS MAP

C-1
 Sheet No. 2 of 2

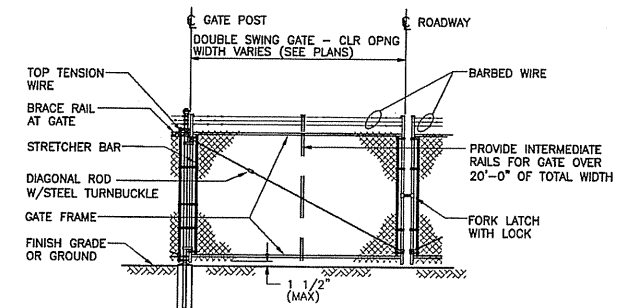


1 COMPOUND SURFACING DETAIL
C-4 NOT TO SCALE

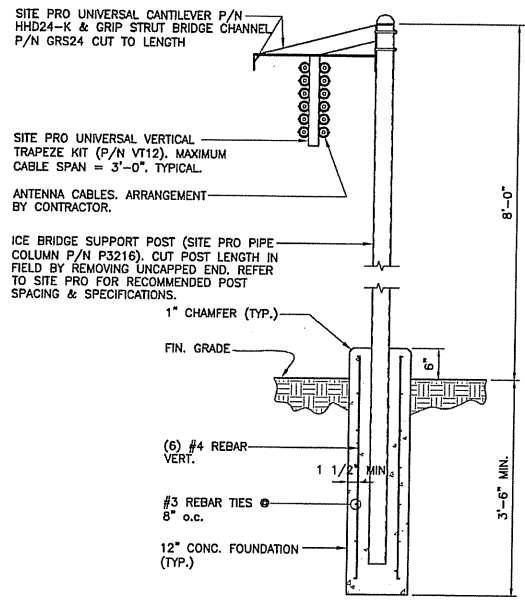


2 WOVEN WIRE FENCE DETAIL
C-4 NOT TO SCALE

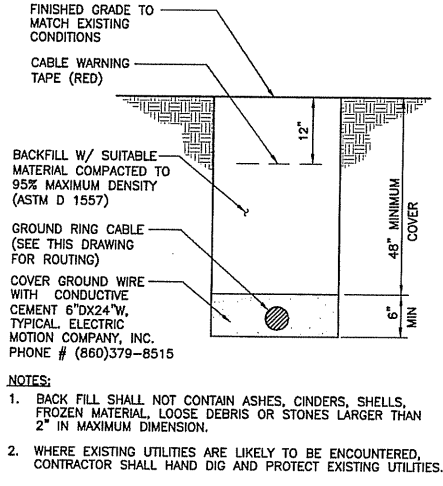
- WOVEN WIRE FENCE NOTES**
- GATE POST, CORNER, TERMINAL OR PULL POST 2 1/2" ϕ SCHEDULE 40 PIPE PER ASTM-F1083. UP THRU 6 FEET OR 12 FEET FOR DOUBLE SWING GATE PER ASTM-F1083.
 - LINE POST: 2" ϕ SCHEDULE 40 PIPE PER ASTM-F1083.
 - GATE FRAME: 1 1/2" ϕ SCHEDULE 40 PIPE PER ASTM-F1083.
 - TOP RAIL & BRACE RAIL: 1 1/2" ϕ SCHEDULE 40 PIPE PER ASTM-F1083.
 - FABRIC: 12 GA. CORE WIRE SIZE 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.



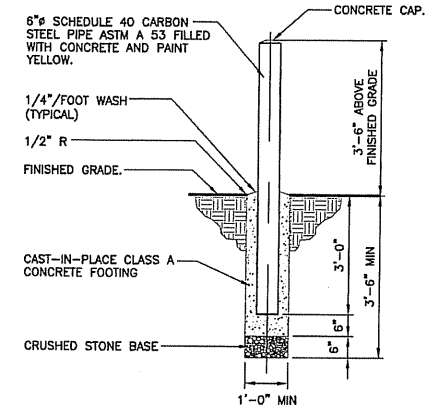
2A WOVEN WIRE SWING GATE-DOUBLE
C-4 NOT TO SCALE



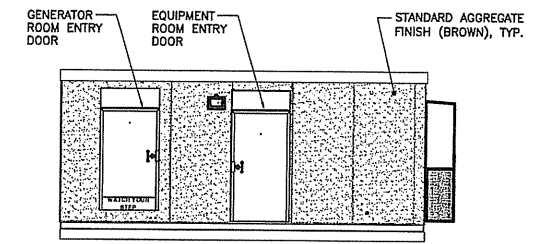
3 ICE BRIDGE DETAIL
C-4 NOT TO SCALE



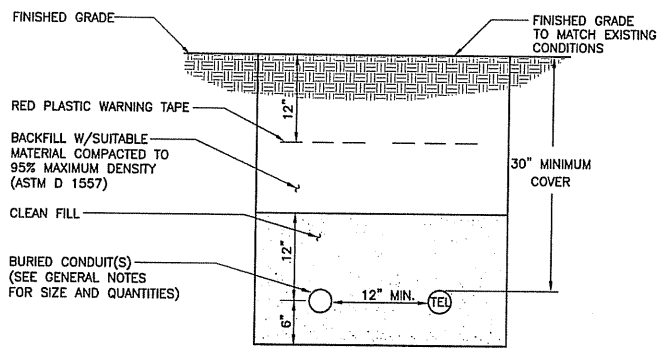
4 TYPICAL BURIAL GROUND CABLE DETAIL
C-4 NOT TO SCALE



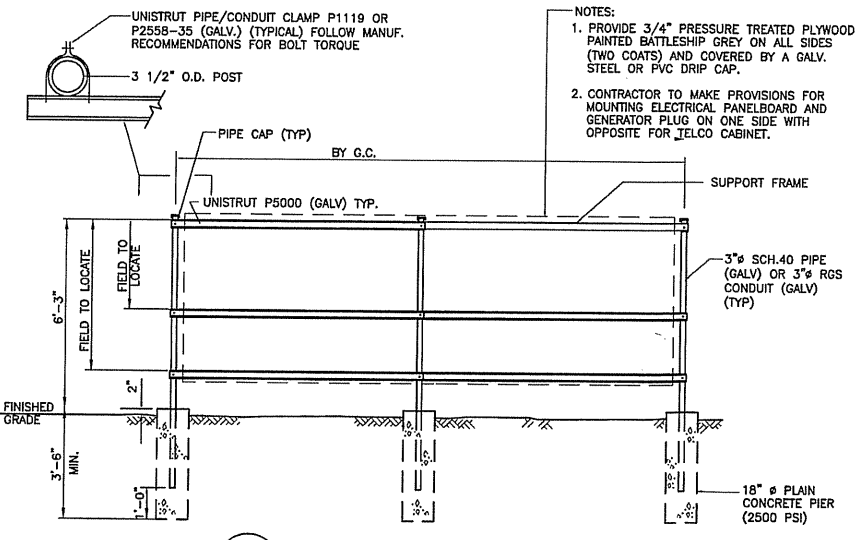
5 BOLLARD DETAIL
C-4 NOT TO SCALE



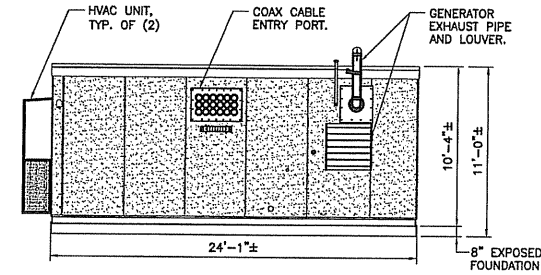
8 NORTH SHELTER ELEVATION
C-4 SCALE: 3/16" = 1'-0"



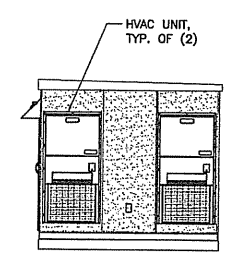
6 TYPICAL ELECTRICAL/TEL TRENCH DETAIL
C-4 NOT TO SCALE



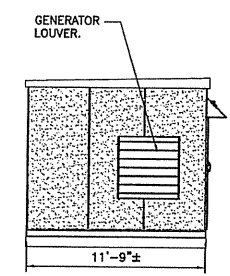
7 UTILITY SUPPORT FRAME (TYP)
C-4 NOT TO SCALE



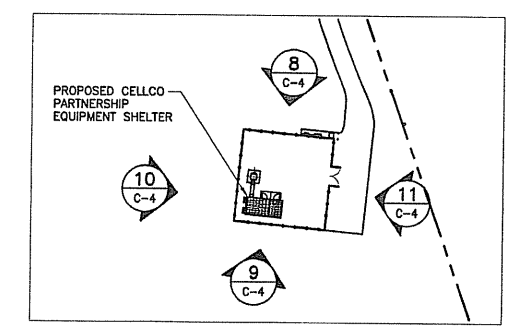
9 SOUTH SHELTER ELEVATION
C-4 SCALE: 3/16" = 1'-0"



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



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



SHELTER ELEVATION KEY PLAN
NOT TO SCALE

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

DATE: 06/29/10
SCALE: AS NOTED
JOB NO. 09052

SITE DETAILS AND SHELTER ELEVATIONS

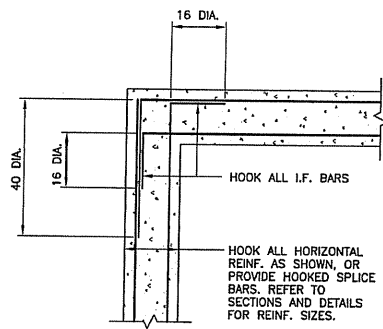
C-4
Sheet No. 8 of 2

Cellco Partnership d/b/a Verizon Wireless
SUFFIELD SW
174 SOUTH GRAND STREET
WEST SUFFIELD, CT 06093

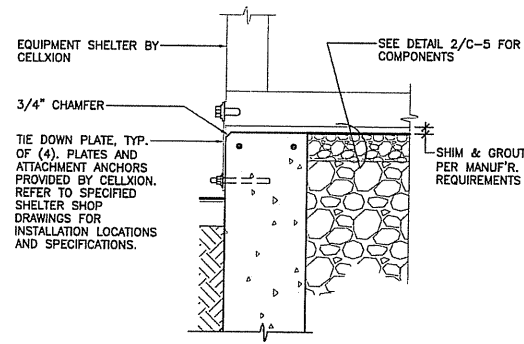
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ISSUED FOR CSC
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CELLCO PARTNERSHIP
COMMUNICATIONS FACILITY
SUFFIELD SW
174 SOUTH GRAND STREET
WEST SUFFIELD, CT 06093

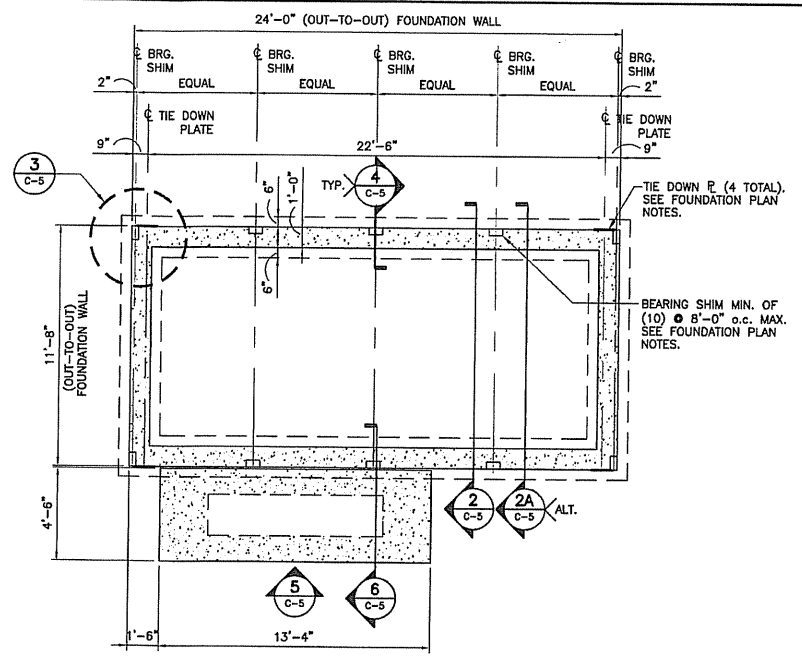
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COMMUNICATIONS FACILITY
SUFFIELD SW
174 SOUTH GRAND STREET
WEST SUFFIELD, CT 06093



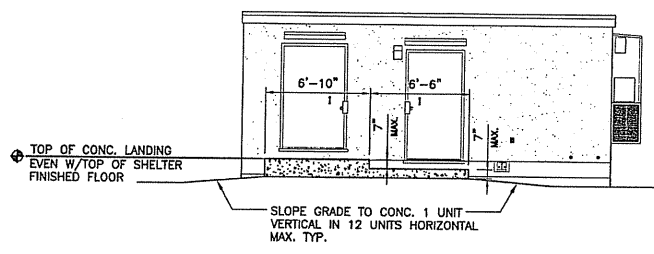
3 PLAN DETAIL
C-5 NOT TO SCALE



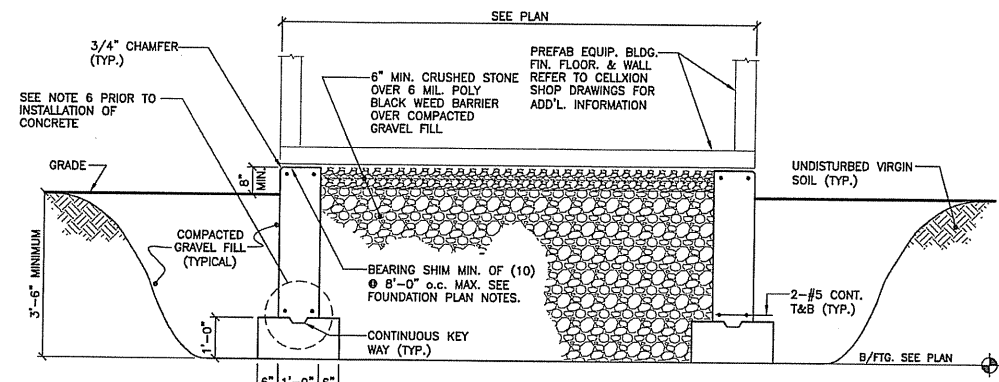
4 BUILDING TIE DOWN
C-5 SCALE: 1"=1'-0"



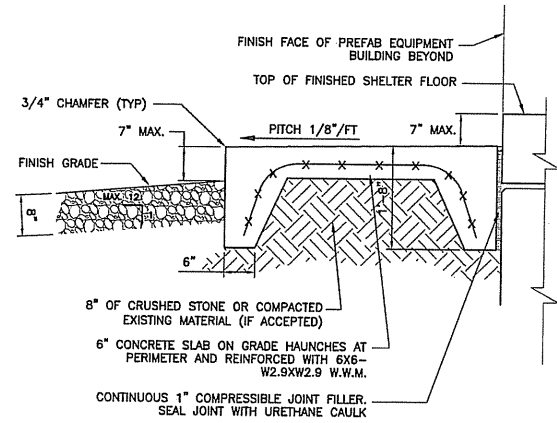
1 FOUNDATION PLAN
S-1 SCALE: 1/4"=1'-0" APPROXIMATE NORTH



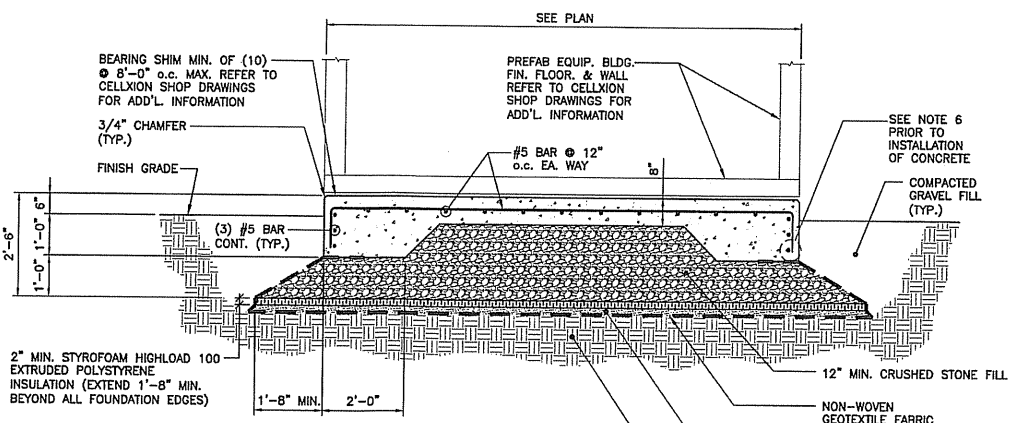
5 ENTRY STOOP DETAIL - ELEVATION
C-5 SCALE: 3/16"=1'-0"



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



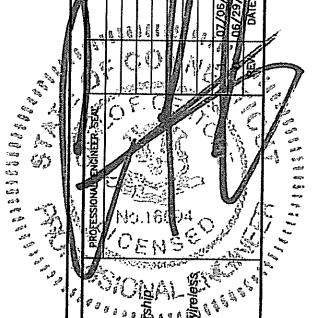
6 ENTRY STOOP DETAIL - SECTION
C-5 SCALE: 3/16"=1'-0"



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

- FOUNDATION PLAN NOTES:**
- B/FTG. ELEVATION AT 3'-6" MINIMUM BELOW FINISHED GRADE, (TYP)
 - 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.
 - SLAB/ TOP OF WALL TOLERANCE IS 1/4"±
 - TOP 8" OF FOUNDATION SIDES MUST BE FORMED FLAT TO ACCEPT TIE-DOWN PLATES.
 - PER NEC REQUIREMENTS, THE REBAR IN FOUNDATION AND FOOTING SHALL BE BONDED TO GROUND RING WITH A #2 AWG SOLID CONDUCTOR USING LISTED AND APPROVED METHODS.
 - PROVIDE PVC SLEEVES FOR UTILITY CONDUIT PASSAGE THROUGH FOUNDATION OR CAST CONDUITS IN PLACE. REFER TO ELECTRICAL DRAWINGS FOR CONDUIT SIZES AND QUANTITIES.



| | | | |
|---|-----------------|---------------|-------------|
| DESIGNED BY: CFC | ISSUED FOR CSC | CHK'D BY: CFC | DESCRIPTION |
| DRAWN BY: DMD | ISSUED FOR CSC | CFC | |
| DATE: 06/29/10 | SCALE: AS NOTED | JOB NO. 09062 | |
| Cellco Partnership d/b/a Verizon Wireless WIRELESS COMMUNICATIONS FACILITY SUFFIELD SW 174 SOUTH GRAND STREET WEST SUFFIELD, CT 06093 | | | |
| C-5 Sheet No. <u> </u> of <u> </u> | | | |

CERTIFICATION OF SERVICE

I hereby certify that on this 9th day of July, 2010, copies of the Application and attachments were sent first class mail, postage prepaid, to the following:

STATE OFFICIALS:

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

Peter J. Boynton, Commissioner
Department of Emergency Management and Homeland Security
25 Sigourney Street, 6th Floor
Hartford, CT 06106-5042

Amey 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

Brenda L. Sisco, Acting 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

F. Phillip Prelli, Commissioner
Department of Agriculture
165 Capital Avenue
Hartford, CT 06106

Capital Region Council of Governments
241 Main Street
Hartford, CT 06016-5310

SUFFIELD TOWN OFFICIALS:

Thomas Frenaye
First Selectman
Town of Suffield
83 Mountain Road
Suffield, CT 06078

The Honorable John A. Kissel
Senator – 7th District
16 Frew Terrace
Enfield, CT 06082

The Honorable Matthew J. Conway, Jr.
Representative – 61st District
300 Taintor Street
Suffield, CT 06078

Elaine C. O'Brien
Town Clerk
Town of Suffield
83 Mountain Road
Suffield, CT 06078

Frank E. Bauchiero, Chairman
Planning and Zoning Commission
Town of Suffield
230 C Mountain Road
Suffield, CT 06078

William Arendt, Chairman
Zoning Board of Appeals
Town of Suffield
230 C Mountain Road
Suffield, CT 06078

William Hawkins
Town Planner
Town of Suffield
230 C Mountain Road
Suffield, CT 06078

Arthur Christian, Chairman
Conservation Commission
Town of Suffield
230 C Mountain Road
Suffield, CT 06078

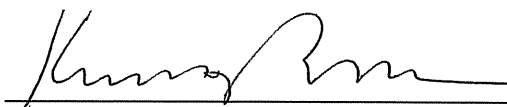
FEDERAL OFFICIALS:

The Honorable Christopher Dodd
United States Senator
448 Russell Senate Office Building
Washington, DC 20510

The Honorable Joseph Lieberman
United States Senator
706 Hart Senate Office Building
Washington, DC 20510

The Honorable Joseph Courtney
Congressman
2 Courthouse Square, 5th Floor
Norwich, CT 06360

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

LEGAL NOTICE

Notice is hereby given, pursuant to Section 16-50**l**(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 July 9, 2010, by Cellco Partnership d/b/a Verizon Wireless (“Cellco” or the “Applicant”). The Application proposes the installation of a wireless telecommunications facility in Suffield, Connecticut. The installation would consist of a 100’ x 100’ leased area within a 17.57 acre parcel located at 174 South Grand Street, owned by Darian and Robert Paganelli. At this site, Cellco proposes to construct a 120-foot tower. Access to the site will extend from South Grand Street over a portion of an existing gravel driveway a distance of 300 feet, then over a new gravel driveway extension an additional distance of 650 feet to the cell site. Cellco will also install a 12’ x 24’ shelter located near the base of the tower to house its radio equipment and a back-up generator. The location and other features of the proposed facility are subject to change under provisions of Connecticut General Statutes § 16-50g et. seq.

On the day of the Siting Council public hearing on this proposal, Cellco will fly a balloon at the height of the proposed tower described above. Interested parties and residents of the Town of Suffield are invited to review the Application on or after July 12, 2010, during normal business hours at any of the following offices:

Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

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

Town Clerk
Town of Suffield
83 Mountain Road
Suffield, CT 06078

Office of the First Selectman
Town of Suffield
83 Mountain Road
Suffield, CT 06078

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

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

July 7, 2010

Via Certified Mail Return Receipt Requested

«Name_and_Address»

**Re: Cellco Partnership d/b/a Verizon Wireless - Proposed
Telecommunications Facility
Suffield, Connecticut**

Dear «Salutation»:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) will be submitting an application to the Connecticut Siting Council (“Council”) on or about July 9, 2010, for approval of the construction of a telecommunications facility in the Town of Suffield, Connecticut.

The proposed facility location would consist of a new 120-foot self-supporting monopole tower on a 17.57 acre parcel at 174 South Grand Street in Suffield. Cellco’s radio equipment and back-up generator would be installed inside a 12’ x 24’ shelter located at the base of the tower. The facility has been designed to accommodate multiple carriers. Access to the facility would extend directly from South Grand Street and would utilize a portion of the owner’s existing dirt and gravel driveway a distance of approximately 300 feet then over a 650-foot driveway extension.

A site plan for the facility is 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.

July 7, 2010

Page 2

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,

A handwritten signature in black ink, appearing to read "Kenneth C. Baldwin". The signature is fluid and cursive, with a long horizontal stroke at the end.

Kenneth C. Baldwin

KCB/kmd
Attachment

Cellco Partnership

d.b.a. **verizon** wireless
WIRELESS COMMUNICATIONS FACILITY

SUFFIELD SW
174 SOUTH GRAND STREET
WEST SUFFIELD, CT 06093

SITE DIRECTIONS

| | |
|---|--|
| FROM: 97 EAST MAIN ROAD DST HARTFORD, CONNECTICUT | TO: 174 SOUTH GRAND STREET WEST SUFFIELD, CT 06093 |
| 1. Turn LEFT onto MAIN ROAD and travel EAST 0.1 mi | |
| 2. Turn LEFT onto MAIN ROAD and travel EAST 0.1 mi | |
| 3. Turn LEFT onto MAIN ROAD and travel EAST 0.1 mi | |
| 4. Turn LEFT onto MAIN ROAD and travel EAST 0.1 mi | |
| 5. Turn LEFT onto MAIN ROAD and travel EAST 0.1 mi | |
| 6. Turn LEFT onto MAIN ROAD and travel EAST 0.1 mi | |
| 7. Turn LEFT onto MAIN ROAD and travel EAST 0.1 mi | |
| 8. Turn LEFT onto MAIN ROAD and travel EAST 0.1 mi | |
| 9. Turn LEFT onto MAIN ROAD and travel EAST 0.1 mi | |
| 10. Turn LEFT onto MAIN ROAD and travel EAST 0.1 mi | |
| 11. Turn LEFT onto MAIN ROAD and travel EAST 0.1 mi | |
| 12. Turn LEFT onto MAIN ROAD and travel EAST 0.1 mi | |

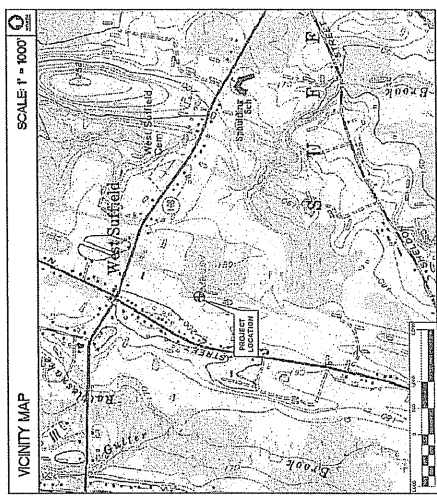
GENERAL NOTES

- PROPOSED ANTENNA LOCATIONS AND HEIGHTS PROVIDED BY CELLCO PARTNERSHIP.

SITE INFORMATION

THE SCOPE OF WORK SHALL INCLUDE:

- THE CONSTRUCTION OF A 60'x60' FENCED WIRELESS COMMUNICATIONS COMPOUND WITHIN A 100'x100' LOT.
- INSTALLATION OF ONE (1) WIRELESS COMMUNICATIONS ANTENNA AT THE PROPOSED SITE. THE ANTENNA SHALL BE A CONCRETE FOUNDATION OF 100" X 100" AS SHOWN ON A 100' PROPOSED SITE. THE ANTENNA SHALL BE 50' TALL AND SHALL BE SITUATED ALONG AN EXISTING DRIVE/ACCESS PATH.
- TOTAL ACCESS DRIVE LENGTH IS 500' AND IS SITUATED ALONG AN EXISTING DRIVE/ACCESS PATH. THE DRIVE SHALL BE 10' WIDE AND SHALL BE PAVED WITH ASPHALT. THE DRIVE SHALL BE SITUATED ALONG AN EXISTING DRIVE/ACCESS PATH.
- THE PROPOSED WIRELESS COMMUNICATIONS FACILITY SHALL BE SITUATED ALONG AN EXISTING DRIVE/ACCESS PATH. THE FACILITY SHALL BE SITUATED ALONG AN EXISTING DRIVE/ACCESS PATH.
- THE PROPOSED WIRELESS COMMUNICATIONS FACILITY SHALL BE SITUATED ALONG AN EXISTING DRIVE/ACCESS PATH. THE FACILITY SHALL BE SITUATED ALONG AN EXISTING DRIVE/ACCESS PATH.
- THE PROPOSED WIRELESS COMMUNICATIONS FACILITY SHALL BE SITUATED ALONG AN EXISTING DRIVE/ACCESS PATH. THE FACILITY SHALL BE SITUATED ALONG AN EXISTING DRIVE/ACCESS PATH.
- THERE WILL NOT BE ANY LIGHTING UNLESS REQUIRED BY THE FCC OR THE FAA.
- THERE WILL NOT BE ANY SIGNS OR ADVERTISEMENTS ON THE ANTENNAS OR EQUIPMENT.
- FOR ADDITIONAL NOTES AND DETAILS REFER TO THE ACCOMPANYING DRAWINGS.



PROJECT SUMMARY

| | |
|---------------------------|--|
| SITE NAME: | SUFFIELD SW |
| SITE ADDRESS: | 174 SOUTH GRAND STREET WEST SUFFIELD, CT 06093 |
| PROPERTY OWNER: | DAVID A. & ROBERT S. FALCETTI |
| LESSEE/TENANT: | CELLCO PARTNERSHIP |
| CONTACT PERSON: | SANDY CARTER CELLCO PARTNERSHIP 2000 INTERNATIONAL BUILDING HARTFORD, CT 06183 |
| ENGINEER: | CELESTIAL ENGINEERS 2000 INTERNATIONAL BUILDING HARTFORD, CT 06183 |
| OTHER COORDINATES: | 85-7 NORTH LEVANTER ROAD SUFFIELD, CT 06093 UNIVERSITY OF CONNECTICUT LANDMARK 72-2-2-27315 UNIVERSITY OF CONNECTICUT LANDMARK 72-2-2-27315 UNIVERSITY OF CONNECTICUT LANDMARK 72-2-2-27315 UNIVERSITY OF CONNECTICUT LANDMARK 72-2-2-27315 |

SHEET INDEX

| SHT. NO. | DESCRIPTION | REV. |
|----------|--|------|
| T-1 | TITLE SHEET | 1 |
| C-1 | ADMITTERS WOP | 1 |
| C-1A | INTERNAL SITE / GRADING PLAN | 1 |
| C-2 | COMPOUND PLAN AND ELEVATION | 1 |
| C-3 | SITE DETAILS AND NOTES | 1 |
| C-5 | SHEDDER FOUNDATION PLAN, DETAILS AND NOTES | 1 |

Cellco Partnership
 d.b.a. Verizon Wireless
 174 SOUTH GRAND STREET
 WEST SUFFIELD, CT 06093
 SUFFIELD SW
 WIRELESS COMMUNICATIONS FACILITY
 Cellco Partnership d/b/a Verizon Wireless
 2000 INTERNATIONAL BUILDING
 HARTFORD, CT 06183
 861-224-4000
 www.verizon.com
 DATE: 06/29/10
 SCALE: AS NOTED
 ACD NO.: 06092
 TITLE SHEET
 T-1
 Sheet No. 1 of 7

ADJACENT PROPERTY OWNERS

SITE NAME: SUFFIELD SOUTHWEST

OWNER NAME: ROBERT G. & DARIAN P. PAGANELLI

OWNER ADDRESS: 174 SOUTH GRAND STREET, SUFFIELD, CONNECTICUT 06093

ASSESSOR'S REFERENCE: MAP: 16H BLOCK: 24 LOT: 51A

THE FOLLOWING INFORMATION WAS COLLECTED FROM THE TAX ASSESSOR'S RECORDS AND LAND RECORDS OF SUFFIELD TOWN HALL, SUFFIELD, CONNECTICUT. THE INFORMATION IS CURRENT AS OF JUNE 28, 2010.

THE PARCEL IS ZONED RESIDENTIAL R-45.

WILLINGTON ABUTTERS

| | <u>Map/Lot</u> | <u>Property Address</u> | <u>Owner Name and Mailing Address</u> |
|----|-----------------------|--|--|
| 1. | 24/25/3 | Simpaug Ltd. 63 Cops Hill Road Ridgefield, CT 06877 | Sheldon Street |
| 2. | 15/19/20 | Stanley J. Beneski, Jr. 200 South Stone Street West Suffield, CT 06093- 3223 | 141 South Grand Street |
| 3. | 16H/19/19 | Frank Charles Stanton 109 South Grand Street West Suffield, CT 06093 | 109 South Grand Street |
| 4. | 16H/19/18 | William J. Morris 101 South Grand Street West Suffield, CT 06093 | 101 South Grand Street |
| 5. | 16H/24/43 | Benito F. and Shirley M. Rotondo 188 South Grand Street West Suffield, CT 06093 | 188 South Grand Street |
| 6. | 16H/24/44 | John C. and Lisa A. Shelanskas 178 South Grand Street West Suffield, CT 06093 | 178 South Grand Street |

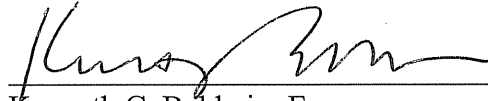
| | <u>Map/Lot</u> | <u>Property Address</u> | <u>Owner Name and Mailing Address</u> |
|-----|----------------|---|---------------------------------------|
| 7. | 16H/24/45 | John M. Graff 168 South Grand Street West Suffield, CT 06093 | 168 South Grand Street |
| 8. | 16H/24/46 | Thomas A. and Patricia Ann Peck P.O. Box 733 Suffield, CT 06078 | 158 South Grand Street |
| 9. | 16H/24/47 | Suzanne and Leroy Musser, Jr. 148 South Grand Street West Suffield, CT 06093- 3413 | 148 South Grand Street |
| 10. | 16H/24/48 | Walter H. and Margot E. Winkler 138 South Grand Street West Suffield, CT 06093 | 138 South Grand Street |
| 11. | 16H/24/49 | Michael J. and Francine C. Michaud 128 South Grand Street West Suffield, CT 06093 | 128 South Grand Street |
| 12. | 16H/24/50 | Jennifer Monteleone 124 South Grand Street Suffield, CT 06093 | 124 South Grand Street |
| 13. | 16H/24/51 | Stacy M. and Timothy Sperrazza 98 South Grand Street West Suffield, CT 06093 | 98 South Grand Street |
| 14. | 16H/24/54 | Gary R. and Pamela Dorman 70 South Grand Street West Suffield, CT 06093 | 70 South Grand Street |

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.

July 7, 2010

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

Cellular License - KNKA404 - Cellco Partnership - Frequencies

Call Sign KNKA404 Radio Service CL - Cellular

[Return to Main](#)

A Block

824.04 - 834.99 paired with 869.04 - 879.99

845.01 - 846.48 paired with 890.01 - 891.48

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 - GASAS5REG
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 - GASA5REG
 ALPHARETTA, GA 30004

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

FCC Registration Number (FRN): 0003290673

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|--|---|--------------------------------------|---------------------------------|
| 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.