
**Application to the Town of Westwood for a Wireless Communication Overlay District -
Environmental Impact and Design Review to allow modifications to an existing Wireless
Communications Facility.**

Applicant:

Sprint Spectrum L.P.
1 International Blvd, Mahwah, NJ 07495

Property Location:

213 Fox Hill Street
Westwood, MA 02090

Prepared by:

Ignacio Formoso
Tower Resource Management, Inc.
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August 23, 2017

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1 International Blvd Suite 800
Mahwah, NJ 07495

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August 23, 2017

Planning Board Town of Westwood
580 High Street Westwood, MA
02090

RE: Application for a Wireless Communication Overlay District - Environmental Impact and Design Review for modification to an existing Wireless Communications Facility. Location: 213 Fox Hill Street, Westwood, MA 02090 (the "Property") Applicant: Sprint Spectrum L.P. (the "Applicant")

Dear Honorable Board Members:

The Applicant, Sprint Spectrum, L.P. ("Applicant"), is licensed by the Federal Communications Commission (FCC) to construct and operate a wireless telecommunications network throughout the country, including the Town of Westwood Massachusetts. The Applicant is in the process of upgrading their existing telecommunications system to better serve the New England Market including the State of Massachusetts.

The Applicant currently co-locates on the existing the existing Wireless Communications Facility ("WCF") located at 213 Fox Hill Street, Westwood, MA 02090 and seeks to perform modifications as shown on the plans submitted with this Application (the "Plans"). The Applicant proposes to add (3) new antennas [and associated cables]. Applicant also proposes to mount (3) Remote Radio Heads (RRH) behind the new antennas. In addition, the Applicant proposes to retrofit existing equipment cabinets with RAN and battery strings within the existing lease area at ground level.

The Property is located in the SRE (Single Residential E) zoning district. According to Section 9.4.2 of the Town of Westwood Zoning By-Laws ("By-Law"), the use is allowed provided that the Planning Board agrees the requirements have been met per Section 7.3.

I. **Background**

The Applicant is licensed by the Federal Communications Commission (“FCC”) to construct and operate a wireless telecommunications network in various markets throughout the country, including the Town of Westwood. A copy of the Applicant’s FCC license is attached hereto. The Applicant is in the process of upgrading some of its equipment to better serve its customers in the Commonwealth of Massachusetts.

II. **RF Coverage Determination**

The existing WCF provides adequate coverage to the targeted sections of the Town of Westwood and the immediate surrounding area. With the Board’s approval, the modifications will allow the applicant to provide better voice quality and data speeds for the subscribers in the area.

III. **The Facility**

After installation of the proposed modifications, the WCF will remain unmanned and will only require bi-monthly maintenance visits. The only utilities required to operate this WCF are standard 120-volt electrical power as well as telephone service which currently exist on site. The traffic generated by the WCF will be about one to two vehicle trips per month by maintenance personnel who will inspect the WCF to ensure it remains in good working order. The WCF will remain in compliance with all applicable local, state and federal safety codes. The use is passive in nature and will not emit smoke, fumes, odors, excessive noise, or any hazardous material and will continue as such.

IV. **Legal Argument and Findings of Fact for a Site Plan Approval**

The Applicant has satisfied the requirements for the granting of the requested Site Plan Approval pursuant to Sections 7.3 and 9.4 of the Town of Westwood Zoning By-Law as follows:

7.3 ENVIRONMENTAL IMPACT AND DESIGN REVIEW (EIDR)

7.3.1 Purpose. The purpose of this Section is to provide individual detailed review of certain uses and structures which have a substantial impact upon the character of the Town and upon traffic, utilities and property values therein, thereby affecting the public health, safety and general welfare thereof. The environmental impact and design review process is intended to promote the specific purposes listed in Section 1.1, Purpose.

The proposed modified wireless facility will not have a substantial impact upon the character of the Town. To the extent that character relates to visual impact, its appearance will be virtually identical to the existing wireless facility. The Wireless Communications Overlay District includes the Parcel 09-065. As the existing facility is an allowed use, the modification of the facility is consistent with the intent and purpose of the Town of Westwood Zoning bylaws.

7.3.7 Environmental Impact and Design Standards. The following standards shall be utilized by the Planning Board to review and evaluate all applications pursuant to this Section. These standards are intended to provide a frame of reference for the Applicant in the development of their project and building plans as well as criteria for review by the Planning Board. These standards shall not be regarded as inflexible requirements. They are not intended to discourage creativity, invention and innovation. The specification of one or more particular architectural styles is not included in these standards. The standards of review outlined in this Section shall also apply to all accessory buildings, structures, freestanding signs and other site features, however related to the principal buildings or structures.

7.3.7.1 Preservation of Landscape. The landscape shall be preserved in its natural state, insofar as practicable. Tree and soil removal shall be minimized, and any grade changes shall be consistent with the general appearance of neighboring developed areas. Due regard shall be given to the attractive utilization of the natural features of the area, including trees, woods, streams and ponds. All open areas which cannot be preserved in their natural state shall be replanted as far as practicable with as many trees and plantings as previously existed.

The proposed antennas on the water tank will not affect the existing landscaping or involve the removal of soil or result in any change of the grade of the property. The replacement antennas and remote radio heads will be designed to match the existing antennas and therefore will continue to blend with the appearance of the water tank.

7.3.7.2 Relation of Buildings to Environment. The proposed development shall be related harmoniously to the terrain and to the use, scale and architecture of existing buildings in the vicinity that have functional or visual relationship to the proposed building. The Planning Board may require a modification in massing so as to reduce the effect of shadows on abutting property, public open space or streets.

The proposed antennas will not affect the scale or architecture of the water tank. The replacement antennas and remote radio heads will be installed at the same height of the existing antennas and designed to match the current installation in a manner that minimizes its visibility from neighboring residences and streets and in accordance with the Town of Westwood, Zoning By-Law encouragement of co-location within the WCOD. The proposed antennas and remote radio heads will not extend above the current installation.

7.3.7.3 Open Space. All open space shall be so designed as to add to the visual amenities of the vicinity by maximizing its visibility for persons passing the site or overlooking it from nearby properties.

The proposed antennas and remote radio heads will be mounted on the water tank at the same height as the existing antennas and following the installation, the total number of antennas will be at the current level of 6 antennas. The proposed installation of antennas will not affect open space or alter the appearance of the existing water tank for persons passing by the site or overlooking it from nearby properties.

7.3.7.4 Circulation, Traffic Impact and Alternative Means of Transportation. With respect to vehicular and pedestrian circulation and traffic, including entrances, ramps, walkways, drives and parking, special attention shall be given to location, number and function of access points to the public streets (especially in relation to existing traffic flow, traffic controls and mass transit facilities), width of interior drives and access points, general interior circulation, separation of pedestrian and vehicular traffic, access to community facilities, the arrangement, safety and convenience of both vehicle and bicycle parking areas and the effect thereof upon the use and enjoyment of proposed buildings and structures and the neighboring properties, and the traffic impact of the proposed development on nearby public and private streets. Each proposed facility is encouraged to incorporate alternative means of transportation, including bicycle and shuttle bus, and shall make adequate provision for the convenience of vehicular and pedestrian movement within the site in which the facility is to be located, and in relation to nearby streets, property and improvements.

The proposed antennas and remote radio heads and additional cabling will generate no traffic or other negative impacts on surrounding properties or the Town of Westwood.

7.3.7.5 Stormwater Drainage and Erosion Control. Special attention shall be given to proper site surface drainage (i) so that removal of surface waters will not adversely affect neighboring properties or the public storm drainage system and (ii) so as to minimize any adverse impact upon nearby “downstream” properties. Stormwater shall be removed from all roofs, canopies and paved areas in a manner complying with the stormwater management standards adopted and as amended from time to time by the Massachusetts Department of Environmental Protection. Surface water in all paved areas shall be collected at intervals so that it will not obstruct the flow of vehicular or pedestrian traffic and will not create puddles in the paved area. Erosion and sediment controls must be implemented to prevent any negative impacts during construction or other land disturbance activities. Permanent post-development erosion controls must be implemented and maintained where necessary.

The proposed antennas and remote radio heads and additional cabling will not impact storm water drainage on the site.

7.3.7.6 Advertising Features. The size, location, design, color texture, lighting and materials of all permanent signs and outdoor advertising structures or features shall not detract from the use and enjoyment of proposed buildings and structures and the surrounding properties.

There are no signs or advertising proposed as part of the proposed antennas.

7.3.7.7 Special Features. Exposed storage areas, exposed machinery installations, service areas, truck loading areas, utility buildings and structures shall be subject to such setbacks, screen plantings or other screening methods as shall reasonably be required to prevent their being incongruous with the existing or contemplated environment and the surrounding properties. All towers, antennas and poles shall be sited, designed and sized to have minimal visual impact on nearby properties.

The antennas and remote radio heads and additional cabling will be installed at the same height as the existing antennas and designed to match in a manner that minimizes its visibility from neighboring residences and streets and in accordance with the Town of Westwood, Zoning By-Law encouragement of co-location. There will be no perceptible change to the existing conditions as a result of the proposed antennas.

7.3.7.8 Safety. With respect to personal safety, all open and enclosed spaces shall be designed to facilitate building evacuation and maximize accessibility by fire, police and other emergency personnel and equipment. Insofar as practicable, all exterior spaces and interior public and semi-public spaces shall be designed to minimize the fear and probability of personal harm or injury by increasing the potential surveillance by neighboring residents and passersby of an accident or attempted criminal act. Traffic to and from any facility shall not cause safety hazards or increased congestion in nearby residential neighborhoods.

The installation of the water tank mounted antennas will not affect public safety as it relates to evacuation or accessibility during an emergency. It will have no effect on potential surveillance or expose residents to criminal acts.

Sprint is in compliance with federal and state regulations to ensure that its wireless telecommunications facilities are operating in compliance with all applicable standards and mandates.

Sprint operates in compliance with all of the rules and regulations promulgated by the Federal Communications Commission as required by its licensing.

7.3.7.9 Heritage. With respect to the Town's heritage, removal or disruption of historic, traditional or significant uses, structures or architectural elements shall be minimized insofar as practicable, whether these exist on the site or on adjacent properties.

The existing structure is not historic and the proposed antennas do not impact any historic structures. The existing structure currently includes the wireless telecommunications equipment of the Applicant and competitors of the Applicant.

7.3.7.10 Microclimate. With respect to the localized climatic characteristics of a given area, any development which proposes new structures, new hard-surface ground coverage or the installation of machinery which emits heat, vapor or fumes, shall endeavor to minimize, insofar as practicable, any adverse impact on light, air and water resources or on noise and temperature levels of the immediate environment.

Sprint is not proposing any new structures, new hard-surfaces ground coverage, or the installation of machinery which emits heat, vapor, or fumes. The Applicant is proposing to install antennas and add remote radio heads at its existing facility with antennas of substantially similar dimensions.

7.3.7.11 Energy Efficiency. To the maximum extent reasonably practicable, proposals shall utilize energy-efficient technology and renewable energy resources and shall adhere to the principles of energy-conscious design with regard to orientation, building materials, shading, landscaping and other elements. Efforts shall be made to harmonize energy-related components with the character of the building and its surroundings and to prevent adverse effects on the energy consumption of neighboring structures and on the environment.

The utilities will continue to be obtained from existing service in a manner consistent with current power and telephone services at the water tank.

7.3.7.12 Detrimental Effects. No proposed facility shall be detrimental to the health, safety or welfare of persons working or living in the neighborhood, or by reason of danger of fire or explosion, environmental pollution, corrosion, toxic or noxious fumes, gas, smoke, soot, dust, odors, noise or vibrations or other hazards.

The existing wireless communications facility will continue to be operated in compliance with all applicable federal and state regulations, including regulations governing radio frequency emissions. The facility will be constructed in full compliance with Federal Aviation Administration ("FAA") and Federal Communications Commission ("FCC") regulations and all other applicable state and local regulations. Sprint Wireless operates in compliance with all of the rules and regulations promulgated by the Federal Communications Commission as required by its licensing.

7.3.7.13 Nearby Properties. Nearby properties shall be protected against detrimental uses on the site.

The proposed antennas will not be a detriment to the public, and in fact, will benefit the public by lessening the visual impact by modifying an existing wireless communications facility on an existing water tank that currently contains wireless communications facilities, decreasing the need for additional new wireless facilities in the community, and increasing Sprint's service coverage in the Town of Westwood and the surrounding community. By allowing the proposed antennas at this existing water tank utilizing the existing mounts consistent with competitors' facilities, the intent of the Bylaw will be met. The existing wireless communications facility is designed to be unobtrusive and sited to minimize visibility from nearby properties as well as reasonably possible, and will reduce any alleged adverse visual impacts by replacing antennas on existing mounts.

7.3.7.14 Specific Standards for High and Washington Street. Where the nature of the following design features is considered significant to the preservation or enhancement of the desirable visual quality and property values of a particular part of High Street or Washington Street, any new structure or alteration shall be harmoniously related to nearby pre-existing structures and the street facade in terms of color, texture, materials, scale, height, setbacks, roof and cornice lines, signs and design elements such as door and window size and location and door and window detailing, including materials for sills, lintels, frames and thresholds and any other major design elements.

This design standard is not applicable. The proposed facility is not on or in proximity to High or Washington Streets.

7.3.7.15 Air Quality. Any use whose emissions are such as to cause it to be classified as a major new stationary source of air pollution, as defined by the Environmental Protection Agency (EPA) under the Clean Air Act, and any use required to apply to the Massachusetts Department of Environmental Protection under 310 CMR 7.00 or to EPA under Section 112 of the Clean Air Act for permission to emit asbestos, benzene, beryllium, mercury, vinyl chloride, or radionuclides shall be permitted only upon determination by the Planning Board that compliance with the requirements of those agencies is assured, and that health and safety are adequately protected.

This design standard is not applicable. The proposed antennas and remote radio heads and additional cabling will not emit contamination into the air.

7.3.7.16 Plants and Animals. Location and design shall not cause avoidable damage to wildlife habitats or corridors, or to any plant species listed as endangered, threatened or of special concern by the Massachusetts Natural Heritage Program, or to any tree with more than a twenty-four (24) inch trunk diameter one (1) foot above grade. An application for a MBD special permit must include documentation to the Planning Board of having consulted with the Conservation Commission and the Massachusetts Natural Heritage Program regarding these considerations, and that the proposed site either contains no such habitats or materials, or that all feasible efforts to avoid, minimize or compensate for damage have been reflected in the development proposal.

This design standard is not applicable. There are no known wildlife habitats or corridors, or any plant species listed as endangered, threatened or/of special concern on the water tank.

7.3.7.17 Vibration. Except for blasting and other activities within the jurisdiction of the Board of Fire Prevention Regulations, no use shall be allowed which produces vibration at or beyond the boundaries of the premises exceeding two-thirds (2/3) the frequency/amplitude limitations established by the Board of Fire Prevention Regulations at 527 CMR 13.11 (18) for three (3) minutes or more in any hour between 7:00 am and 9:00 pm or for thirty (30) seconds or more in any hour between 9:00 pm and 7:00 am.

The proposed antennas and remote radio heads and additional cabling will not generate any perceptible vibration during installation or operation.

7.3.7.18 Electrical Disturbances. No EMF emission shall be permitted which adversely affects the operation of any equipment on other properties.

The facility will be constructed in full compliance with Federal Communications Commission ("FCC") regulations and all other applicable state and local regulations. Sprint operates in compliance with all of the rules and regulations promulgated by the Federal Communications Commission as required by its licensing.

7.3.7.19 Historic and Archaeological Sites. Location and design shall not cause avoidable damage or impairment to the historic or archaeological value of buildings on sites recorded on the Massachusetts Register of Historic Places. An application for a MBD special permit shall submit documentation that either the site does not contain or impact such buildings or sites, or that any potential damage or impairment has been effectively mitigated.

The water tank at 1 Fox Hill Street is not recorded as having historic or archaeological value on the Massachusetts Register of Historic Places.

7.3.7.20 Solid Waste. Each development must document arrangements for satisfactory disposal of tree stumps and debris resulting from construction, and must make permanent arrangement for satisfactory on-site storage of refuse pending its removal, such storage to be screened from public view, secure from vermin, birds or other animals, and located to present minimal hazard in the event of fire and minimal threat to water quality in the event of container failure.

The existing and modified wireless communications facility does not generate any solid waste.

7.3.7.21 Water Quality. Any development subject to review pursuant to this Section which involves a use prohibited or requiring a special permit in a Water Resource Protection Overlay District pursuant to Section 9.3 may be allowed if such development is located outside of the Water Resource Protection Overlay District and if the material regulated is less than twenty (20) gallons liquid or less than one hundred fifty (150) pounds dry weight. If exceeding those limits the use shall be allowed only if the Planning Board, in its review of the application pursuant to this Section, determines that the Applicant has documented that adequate safeguards for protecting the integrity of groundwater quality have been assured. Any development subject to review pursuant to this Section which involves a use prohibited or requiring a special permit under Section 9.3 and is located within a Water Resource Protection Overlay District may be allowed if such development has been granted a special permit pursuant to the provisions of Section 9.3.

The design standard is not applicable to the modification of antennas.

9.4 WIRELESS COMMUNICATION OVERLAY DISTRICT (WCOD)

9.4.7.1 Development Standards. An Applicant proposing a wireless communication facility must demonstrate to the satisfaction of the Planning Board that the visual and aesthetic impacts of the wireless communication facility on nearby properties will be minimal. The Applicant must also demonstrate that the facility must be located at the proposed site due to technical, topographical or other unique circumstances, and that no reasonable combination of locations, techniques, or technologies will mitigate the height or visual impact of the proposed wireless communication facility.

The proposed antennas will not be injurious, obnoxious, offensive, dangerous, or a nuisance to the community or the neighborhood through noise, vibration, concussion, odors, fumes, smoke, gases, dust, harmful fluids or substances, danger of fire or explosion or other objectionable feature detrimental to the community or neighborhood health, safety, convenience, morals or welfare.

The proposed antennas and remote radio heads and additional cabling will not result in a dissemble change to the existing wireless communications facility and there will not result in any impact to the integrity of adjoining districts nor will it be detrimental to health, morals or welfare.

Sprint proposed facility is both essential and desirable to the public convenience and welfare, as it will allow for improved wireless communications within the town of Westwood. Citizens of Westwood will have better wireless service for emergency, business and personal calls.

9.4.7.2 Co-location of wireless communication facilities is encouraged. To the extent possible, wireless communication facilities shall be located in or on existing buildings or structures, including, but not limited to, buildings, communication facilities, utility transmission towers or poles, water towers, and related facilities, provided that such installation preserves the character and integrity of these buildings or structures. The Applicant shall have the burden of demonstrating to the satisfaction of the Planning Board that a good faith effort has been made to co-locate on an existing building or structure, or on an existing Major or Minor wireless communication facility, that there are no feasible existing buildings or structures upon which to locate, and that no reasonable combination of locations, techniques or technologies will obviate the need for the proposed wireless communication facility.

Sprint is committed to working with local communities in siting and construction of its wireless communication facilities. Because of Sprint's desire to be a good neighbor and establish long-term relationships, Sprint makes every effort to identify potential community concerns and incorporate all appropriate mitigation measures in the site selection process. By focusing on modifying existing antennas to accommodate changes in technology, Sprint is reducing the need for additional siting. The proposed modification of antennas and remote radio heads and additional cabling will utilize an existing facility at a location that currently contains not only the applicant's equipment but the wireless equipment of its competitors.

9.4.7.3 Major wireless communication facilities shall be designed and constructed to accommodate the maximum number of presently interested users that is technologically practical, except where the Planning Board determines that a reduction in the size or height of a facility would be preferable despite a negative effect on co-location opportunity. In addition, if the number of proposed users is less than four, the applicant shall provide a plan showing how the proposed tower can be expanded to accommodate up to four users. In the event that the Planning Board finds that co-location is preferable, the applicant must agree to allow co-location pursuant to commercially reasonable terms to additional users.

This provision is not applicable to modifying antennas with the addition of remote radio heads at an existing facility on a water tank.

9.4.7.4 All new antenna support structures shall be buildings or monopoles. Where appropriate to the surrounding area, at the sole discretion of the Planning Board, monopoles shall be disguised as flag poles or trees.

*The proposed antennas and remote radio heads and additional cabling is for an existing water tank mounted wireless facility.
This provision is not applicable.*

9.4.7.5 The highest point of a Major wireless communication facility, including its antenna support structure and any component thereof or attachment thereto, shall not exceed one hundred (100) feet above ground level, except that this height limit may be increased, at the sole discretion of the Planning Board, subject to a finding that such increased height will have no significant adverse impact on the town and surrounding residential properties.

This provision is not applicable to the proposed antennas with the addition of remote radio heads at an existing facility on a water tank.

9.4.7.6 The maximum diameter or width of any Major wireless communication facility antenna support system shall be no more than three (3) feet, except that this diameter or width may be increased, at the sole discretion of the Planning Board, subject to a finding that such increased diameter or width will have no significant adverse impact on the town and surrounding residential properties.

This provision is not applicable to the proposed antennas with the addition of remote radio heads at an existing facility on a water tank

9.4.7.7 All Major wireless communication facilities shall be setback from all property lines abutting any public way, including any sidewalk, a distance equal to one hundred percent (100%) of the height of the highest point of the wireless communication facility, except that this setback requirement may be reduced, at the sole discretion of the Planning Board, to allow the integration of a wireless communication facility into an existing or proposed building or structure.

This provision is not applicable to the proposed antennas with the addition of remote radio heads at an existing facility on a water tank.

9.4.7.8 No Major wireless communication facility shall be constructed with distance equal to one hundred percent (100%) of the height of the highest point of the wireless communication facility from any existing residential dwelling or any proposed dwelling for which a building permit or subdivision approval has been issued. However, this regulation shall not prohibit the later development of any residential dwelling within said distance from an existing wireless communication facility.

This provision is not applicable to the proposed antennas with the addition of remote radio heads at an existing facility on the side of a water tank.

9.4.7.9 All equipment enclosures and other improvements included within a wireless communication facility shall be architecturally designed to blend in with the surrounding environment and shall be maintained in good appearance and repair.

The proposed antennas and remote radio heads will not result in a dissemble change to the appearance of the existing wireless communications facility. Sprint will continue to maintain all aspects of the facility in good appearance and repair.

9.4.7.10 Unless waived by the Planning Board, fencing shall be provided to control access to the base of a Major wireless communication facility. The fencing shall be compatible with the scenic character of the Town, as determined by the Planning Board, and shall not consist of chain link, barbed wire or razor wire.

This provision is not applicable to the proposed antennas with the addition of remote radio heads at an existing facility on a water tank.

9.4.7.11 All exterior wireless communication facilities shall be painted, colored, molded, installed or otherwise screened to minimize their visibility to abutters, adjacent streets, views from scenic roads, and residential neighborhoods. Ground mounted equipment shall be screened from view by suitable vegetation, except where a design of non-vegetative screening better reflects and complements the architectural character of the surrounding neighborhood. Existing on-site vegetation shall be preserved to the maximum extent feasible.

The proposed antennas will be installed at the same height as the existing antennas and painted to match the water tank in a manner that minimizes visibility from neighboring residences and streets and in accordance with the Town of Westwood, Zoning By-Law encouragement of co-location. The location of the existing concrete pad will not be altered as a result of the antenna replacement.

9.4.7.12 All antennas on a Major wireless communication facility shall be single unit cross-polar antennas. Antennas shall be designed and mounted in such a manner as to present the smallest possible silhouette, profile, or cross-section.

The proposed antennas will utilize existing mounts that will match the color of the existing antennas, which will minimize the visibility of the devices.

9.4.7.13 Wireless communication facilities shall not be lighted unless required by the Federal Aviation Administration (FAA), or unless after consultation with the Police and Fire Chiefs, the Planning Board requires such lighting for public safety reasons, or unless the Planning Board requires the lighting of a monopole disguised as a flag pole.

The proposed antennas will not require lighting.

9.4.7.14 Wireless communication facilities shall not interfere with nor have any negative effect on the Town's emergency radio communications.

The wireless facility will continue to be operated in compliance with all applicable federal and state regulations, including regulations governing radio frequency emissions. Sprint is in compliance with federal and state regulations to ensure that its wireless telecommunications facilities are operating in compliance with all applicable standards and mandates.

9.4.7.15 Signs posted for advertisement or any other reasons shall not be allowed on or in the vicinity of a Major wireless communication facility, with the exception of one (1) sign not exceeding four (4) square feet in area at the facility which shall display the name and telephone number of the person and company responsible for the maintenance of the facility. The signage shall also display a 'No Trespassing' warning.

As part of the proposed antennas, no new signage is proposed by Sprint.

V. Conclusion:

The Applicant hereby requests that the Board determine that the Applicant has satisfied the requirements for Site Plan Review and to further determine that the proposed modifications will not have an adverse effect on the surrounding neighborhood and the Town of Westwood as a whole. The findings are made in view of the particular unique characteristics of the Property and of the WCF's design and location, as detailed in this application.

For all of the above, the Applicant respectfully requests the Board to grant the foregoing zoning relief in the form of a special permit and/or such other relief as the Board deems necessary to allow the proposed modifications.

Sincerely,

Ignacio Formoso
Agent for Sprint Spectrum, L.P.
Tower Resource Management, Inc.
16 Chestnut Street, Suite 220
Foxborough, MA 02035
Mobile: 781-733-1623
Fax: 774-215-5423
Email: iformoso@trmcom.com

Application Form

TOWN OF WESTWOOD PLANNING BOARD



APPLICATION FOR SPECIAL PERMIT AND SITE PLAN REVIEW

IMPORTANT INSTRUCTIONS AND INFORMATION FOR APPLICANTS

All applications to the Planning Board will be acted upon and all information must be complete and correct to the best of the Applicant's knowledge. Incomplete applications may cause delays and may be the basis for a denial of the application. If you have any questions regarding the Board's procedure, please contact the Town Planner at (781) 251-2581.

Your complete submission must contain twenty (20) packets, with each packet to include a copy of all submissions, including this application form, engineering plans, architectural renderings, Environmental Impact and Design Review report, traffic study and other required supplemental information. ***It is important to review the applicable section of the Westwood Zoning Bylaw relating to the requested permit and the relevant Rules and Regulations, if any, to ensure that all requirements for application submittal are met.*** The Zoning Bylaw, Zoning Map, application forms and the Planning Board's General Special Permit Granting Authority Rules and Regulations and Rules and Regulations specifically for Major Residential Development (Section 8.5), Shared Driveways (Section 6.1.26), Senior Residential Development (Section 8.6) and Scenic Ways (M.G.L. Ch. 40 §15C) are available on the Planning Board section of the Town's web site (www.townhall.westwood.ma.us).

Any request for waivers of the required application information must be included in the packet. Along with the twenty packets, there must be a check made payable to the Town of Westwood to cover the appropriate fee(s) and a completed request form for a certified list of abutters (form is available on Planning Board's website). A copy of the packet must also be filed with the Town Clerk.

WESTWOOD PLANNING BOARD APPLICATION FOR HEARING

- 1. Name of Applicant:
Sprint Realty Company, L.P.

- 2. Mailing Address of Applicant:
1 International Blvd., Suite 800 Mahwah

- 3. Requested Permit(s):
Pursuant to Section 7.3 Enviromental Impact and Design Review (EIDR) and Section 9.4 Wireless Overlay District (WCOD)

- 4. Telephone: (H) _____ (W) 781 733-1623 (Ignacio Formoso Authorized Agent)
E-Mail: iformoso@trmcom.com

- 5. Address/Location of Property Subject to Hearing:
213 Fox Hill Street, Westwood, MA

- 6. Owner of Property:
Dedham-Westwood Water District

- 7. Mailing Address of Property Owner:
50 Elm Street, PO Box 9137, Dedham, MA 02027

- 8. Deed Recorded in:
a. County Registry of Deeds, Book _____ Page _____
b. Registry District of the Land Court, Certificate Number _____
Page _____ Book _____

- 9. Has any Application ever been filed with the Planning Board regarding this Property?
Yes

- 10. If Yes, When? 2014

- 11. Has the Lot been surveyed by a Registered Land Surveyor?
Unknown

- 12. Assessor's Map and Parcel Number:
Map 09, Block 065

- 13. Size of Parcel:
Approximately 33,541 square feet

- 14. Applicant is (check one) Owner _____ Tenant _____ Licensee X
Prospective Purchaser _____ Other _____

I hereby request a public hearing before the Westwood Planning Board with reference to the above noted application.

I consent to pay for the cost of the legal advertisements as required by the Zoning Bylaw, which will be billed to me directly as the Applicant by the newspaper at a later date. I also consent to pay for all costs incurred in conjunction with the "Reimbursement for Consultants" provisions of Zoning Bylaw Section 7.2 [Major Business Development], Section 7.3 [Environmental Impact and Design review], Section 8.5 [Major Residential Development], Section 8.6 [Senior Residential Development] Section 9.3 [Water Resource Protection Overlay District], Section 9.5 [Planned Development Area Overlay District] and the "Project Review Fees" section in the various Rules and Regulations of the Planning Board acting as Special Permit and Permit Granting Authority, in addition to any other fees, expenses and costs in connection with the review and evaluation of this application.

Signed: _____ (Authorized Agent)
Applicant (or Agent's) Signature

Signed: See attached letter of Authorization
Property Owner of Record Signature

Name: Sprint Realty Company, L.P.
Applicant

Name: Dedham-Westwood Water District
Property Owner of Record

Date: _____

Received from the above Applicant: Filing Fee: \$ 750.00

Other Fees: \$ _____
(if applicable)

FCC License



Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: NSAC, LLC

ATTN: SPECTRUM LICENSING TEAM
NSAC, LLC
12502 SUNRISE VALLEY DRIVE, M/S: VARESA0209
RESTON, VA 20196

Call Sign B051	File Number
Radio Service BR - Broadband Radio Service	
Regulatory Status Common Carrier	

FCC Registration Number (FRN): 0003768553

Grant Date 02-29-2016	Effective Date 10-27-2016	Expiration Date 03-28-2026	Print Date 11-02-2016
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Geographic Service Area: BTA 051 Boston, MA

Channel Plan:	Channel Number:	Frequency:
New	BRS1	002496.00000000 - 002502.00000000 MHz
New	BRS2	002618.00000000 - 002624.00000000 MHz
New	E1	002624.00000000 - 002629.50000000 MHz
New	E2	002629.50000000 - 002635.00000000 MHz
New	E3	002635.00000000 - 002640.50000000 MHz
New	E4	002608.00000000 - 002614.00000000 MHz
New	F1	002640.50000000 - 002646.00000000 MHz
New	F2	002646.00000000 - 002651.50000000 MHz
New	F3	002651.50000000 - 002657.00000000 MHz
New	F4	002602.00000000 - 002608.00000000 MHz
New	H1	002657.00000000 - 002662.50000000 MHz
New	H2	002662.50000000 - 002668.00000000 MHz
New	H3	002668.00000000 - 002673.50000000 MHz

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.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Waivers/Conditions:

License renewal granted on a conditional basis, subject to the outcome of FCC proceeding WT Docket No. 10-112 (see FCC 10-86, paras. 113 and 126).

Official
Copy



Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: NEXTEL COMMUNICATIONS OF THE MID-ATLANTIC, INC.

ATTN: ROBIN J. COHEN
NEXTEL COMMUNICATIONS OF THE MID-ATLANTIC, INC.
12502 SUNRISE VALLEY DRIVE, M/S: VARESA0209
RESTON, VA 20196

Call Sign WPLM553	File Number
Radio Service YH - SMR, 806-821/851-866 MHz, Auctioned (Rebanded YC license)	

FCC Registration Number (FRN): 0002154086

Grant Date 05-28-2008	Effective Date 11-17-2010	Expiration Date 06-17-2018	Print Date
Market Number BEA003	Channel Block X	Sub-Market Designator 1	
Market Name Boston-Worcester-Lawrence-Lowe			
1st Build-out Date 06-17-2001	2nd Build-out Date 06-17-2003	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

Grant of the request to update licensee name is conditioned on it not reflecting an assignment or transfer of control (see Rule 1.948); if an assignment or transfer occurred without proper notification or FCC approval, the grant is void and the station is licensed under the prior name.

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.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: NEXTEL COMMUNICATIONS OF THE MID-ATLANTIC, INC.

Call Sign: WPLM553

File Number:

Print Date:

1. Sprint will provide appropriate co-channel protection to incumbent licensees pursuant to Section 90.621(b) of the Commission's co-channel protection rules. 2. Sprint will provide adjacent-channel protection in accordance with the standard adopted by the Commission in the 800 MHz Second Memorandum Opinion and Order based on the petition filed by NPSPAC Region 8 (New York Metropolitan Area). 3. Sprint will not use and will protect the five nationwide mutual aid channels in the 821-824/866-869 MHz band in each NPSPAC region in which it operates until rebanding is complete in that region. 4. At least 60 days prior to initiating service in the 821-824/866-869 MHz band pursuant to its modified EA licenses, Sprint must provide written notification to every NPSPAC licensee in the affected NPSPAC region(s), at the contact address listed in ULS, that it intends to use its modified licenses to operate in the 821-824/866-869 MHz band. In addition, Sprint must provide the same written notification to the Regional Planning Coordinator(s) for the affected NPSPAC region(s). 5. Sprint will notify the administrator of the CTIA interference website of any new geographic areas in which Sprint deploys facilities in the 821-824/866-869 MHz band. 6. In the event of an interference complaint, Sprint Nextel will strictly adhere to the Commission's mandated interference response timelines and requirements specified in Section 90.674 of the Commission's rules. 7. Until the conclusion of band reconfiguration in the affected NPSPAC region(s), Sprint will protect public safety systems in the 821-824/866-869 MHz band in accordance with the "interim" interference standard specified by the Commission in the 800 MHz Supplemental Order. In addition, Sprint Nextel will employ the additional protection methods identified in the 800 MHz Supplemental Order to protect public safety systems in the 821-824/866-869 MHz band that do not meet the signal strength threshold under Commission's interim rule but that do meet the threshold under the Commission's final interference rules. * For complete text of applicable conditions, see DA 08-1074.



Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: WIRELESSCO, LLC

ATTN: ROBIN J COHEN
WIRELESSCO, LLC
12502 SUNRISE VALLEY DRIVE, 2ND FL, VARESA0209
RESTON, VA 20196

Call Sign KNLF217	File Number 0007205284
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0002316545

Grant Date 07-14-2015	Effective Date 03-28-2016	Expiration Date 06-23-2025	Print Date 04-15-2016
Market Number MTA008	Channel Block B	Sub-Market Designator 0	
Market Name Boston-Providence			
1st Build-out Date 06-23-2000	2nd Build-out Date 06-23-2005	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

License renewal granted on a conditional basis, subject to the outcome of FCC proceeding WT Docket No. 10-112 (see FCC 10-86, paras. 113 and 126).

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.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Section 6409



April 8, 2014

Joseph F. Doyle Jr.
Building Inspector
Town of Westwood
50 Carby Street
Westwood, MA 02090

RE: Building Permit Application
Applicant: Sprint Spectrum L.P. ("Sprint")
Property Owner: Dedham-Westwood Water District
Property Address: 1 Fox Hill Street, Westwood, MA – BS03XC580

Dear Inspector Doyle Jr.:

Sprint Spectrum ("Sprint") seeks a building permit for the installation of transmission equipment on the existing water tank and within the existing equipment compound at the above-referenced property. Your zoning/building application form along with the applicable application fee of \$240 is submitted with this letter.

Introduction to Section 6409

Sprint applies for the building permit under Section 6409 of the federal Middle Class Tax Relief and Job Creation Act of 2012, signed into law by the President on February 22, 2012. While your town retains discretionary zoning review over the construction of new towers, simple collocations and/or equipment upgrades such as reflected in this application must now be approved with the issuance of a building permit. The new law provides that:

"a State or local government may not deny, and **shall approve**, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station."

The federal law defines an "eligible facilities request" as "(A) **collocation of new transmission equipment**; (B) removal of transmission equipment; or (C) replacement of transmission equipment." The new law authorizes the immediate installation of these eligible facilities to help improve the economy, create jobs, and speed the deployment of the services they provide. A complete copy of Section 6409 of this new federal law is enclosed.

Section 6409 Benefits Your Community and has been Embraced Across the Country

Acknowledging that there is no valid basis in zoning to deny an application such as the one proposed here, municipalities across the nation have approved installations under Section 6409 with the issuance of a building permit. With the new federal law providing guidance, municipalities have been quick to embrace the benefits of a streamlined administrative review for simple collocations and equipment modifications. Unlike the construction of a new tower, simple collocations and/or equipment modifications such as this one have been quickly approved to expedite the deployment of wireless broadband. Municipalities want their residents, businesses and emergency responders to benefit from

improved wireless coverage and the latest technology (4G LTE for the iPhone 5 and other handsets) as quickly as possible.

Sprint's Application Must Be Approved

Sprint's application must be approved under this new federal law because the proposed installation involves "a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station."

Sprint's existing facility consists of three (3) panel antennas and associated coaxial cables at a centerline height of 85'2" on the existing water tank on the property. Sprint's facility also consists of radio cabinets within the existing fenced in compound.

As shown on the enclosed plans prepared by Chappell Engineering Associates, LLC, dated 4/2/2014 Sprint's proposed modification to the existing facility consists principally of the following elements:

- 1) On the Water Tank: add three (3) new panel antennas mounted at an antenna centerline height of 85'2" three (3) remote radio heads, (RRHs), and associated coaxial and fiber cables.
- 2) In the Existing Compound: Retrofit existing MMBTS cabinet with 2.5 Radio Access Network (RAN) equipment. Also, install one (1) additional battery string inside existing Battery Backup (BBU) cabinet.

Sprint's installation will not increase the height of the water tank nor the dimensions of the equipment compound. The installation is similar to others on the existing water tank. As a result, the installation "does not substantially change the physical dimensions of such water tank or base station." The installation will enhance wireless communication services to the community and will enable users to access a state-of-the-art, fully digital system for voice communications, messaging, and data transmission and reception.

Sprint respectfully requests that the building permit be issued as soon as possible so that Sprint can proceed with this installation immediately. If we can provide any further information regarding this application, please let us know.

Respectfully,

Jon Ritter, Agent for Sprint Spectrum, L.P. ("Sprint")
Tower Resource Management
16 Chestnut Street, Suite 220
Foxborough, MA 02035
Phone: 774-264-0016

Enclosures: Zoning/Building Permit Application Form
Construction Drawings
Tax Relief Act - Section 6409



PUBLIC NOTICE

Federal Communications Commission
445 12th St., S.W.
Washington, D.C. 20554

News Media Information 202 / 418-0500
Internet: <http://www.fcc.gov>
TTY: 1-888-835-5322

WIRELESS TELECOMMUNICATIONS BUREAU OFFERS GUIDANCE ON INTERPRETATION OF SECTION 6409(a) OF THE MIDDLE CLASS TAX RELIEF AND JOB CREATION ACT OF 2012

DA 12-2047
January 25, 2013

On February 22, 2012, the Middle Class Tax Relief and Job Creation Act of 2012 (Tax Act)¹ became law. Section 6409(a) of the Tax Act provides that a state or local government “may not deny, and shall approve” any request for collocation, removal, or replacement of transmission equipment on an existing wireless tower or base station, provided this action does not substantially change the physical dimensions of the tower or base station.² The full text of Section 6409(a) is reproduced in the Appendix to this Public Notice.

To date, the Commission has not received any formal petition to interpret or apply the provisions of Section 6409(a). We also are unaware of any judicial precedent interpreting or applying its terms. The Wireless Telecommunications Bureau has, however, received informal inquiries from service providers, facilities owners, and state and local governments seeking guidance as to how Section 6409(a) should be applied. In order to assist interested parties, this Public Notice summarizes the Bureau’s understanding of Section 6409(a) in response to several of the most frequently asked questions.³

What does it mean to “substantially change the physical dimensions” of a tower or base station?

Section 6409(a) does not define what constitutes a “substantial[] change” in the dimensions of a tower or base station. In a similar context, under the *Nationwide Collocation Agreement* with the Advisory Council on Historic Preservation and the National Conference of State Historic Preservation Officers, the Commission has applied a four-prong test to determine whether a collocation will effect a “substantial increase in the size of [a] tower.”⁴ A proposed collocation that does not involve a substantial increase in

¹ Middle Class Tax Relief and Job Creation Act of 2012, Pub. L. 112-96, H.R. 3630, 126 Stat. 156 (enacted Feb. 22, 2012) (Tax Act).

² *Id.*, § 6409(a).

³ Although we offer this interpretive guidance to assist parties in understanding their obligations under Section 6409(c), *see, e.g., Truckers United for Safety v. Federal Highway Administration*, 139 F.3d 934 (D.C.Cir. 1998), the Commission remains free to exercise its discretion to interpret Section 6409(a) either by exercising its rulemaking authority or through adjudication. With two exceptions not relevant here, the Tax Act expressly grants the Commission authority to “implement and enforce” this and other provisions of Title VI of that Act “as if this title is a part of the Communications Act of 1934 (47 U.S.C. 151 et seq.)” Tax Act § 6003.

⁴ 47 C.F.R. Part 1, App. B, *Nationwide Programmatic Agreement for the Collocation of Wireless Antennas*, § I.C (*Nationwide Collocation Agreement*).

size is ordinarily excluded from the Commission's required historic preservation review under Section 106 of the National Historic Preservation Act (NHPA).⁵ The Commission later adopted the same definition in the *2009 Declaratory Ruling* to determine whether an application will be treated as a collocation when applying Section 332(c)(7) of the Communications Act of 1934.⁶ The Commission has also applied a similar definition to determine whether a modification of an existing registered tower requires public notice for purposes of environmental review.⁷

Under Section I.C of the *Nationwide Collocation Agreement*, a “substantial increase in the size of the tower” occurs if:

- 1) [t]he mounting of the proposed antenna on the tower would increase the existing height of the tower by more than 10%, or by the height of one additional antenna array with separation from the nearest existing antenna not to exceed twenty feet, whichever is greater, except that the mounting of the proposed antenna may exceed the size limits set forth in this paragraph if necessary to avoid interference with existing antennas; or
- 2) [t]he mounting of the proposed antenna would involve the installation of more than the standard number of new equipment cabinets for the technology involved, not to exceed four, or more than one new equipment shelter; or
- 3) [t]he mounting of the proposed antenna would involve adding an appurtenance to the body of the tower that would protrude from the edge of the tower more than twenty feet, or more than the width of the tower structure at the level of the appurtenance, whichever is greater, except that the mounting of the proposed antenna may exceed the size limits set forth in this paragraph if necessary to shelter the antenna from inclement weather or to connect the antenna to the tower via cable; or
- 4) [t]he mounting of the proposed antenna would involve excavation outside the current tower site, defined as the current boundaries of the leased or owned property surrounding the tower and any access or utility easements currently related to the site.

Although Congress did not adopt the Commission's terminology of “substantial increase in size” in Section 6409(a), we believe that the policy reasons for excluding from Section 6409(a) collocations that substantially change the physical dimensions of a structure are closely analogous to those that animated the Commission in the *Nationwide Collocation Agreement* and subsequent proceedings. In light of the Commission's prior findings, the Bureau believes it is appropriate to look to the existing definition of “substantial increase in size” to determine whether the collocation, removal, or replacement of equipment

⁵ See 16 U.S.C. § 470f, *see also* 47 C.F.R. § 1.1307(a)(4) (requiring applicants to determine whether proposed facilities may affect properties that are listed, or are eligible for listing, in the National Register of Historic Places).

⁶ See Petition for Declaratory Ruling to Clarify Provisions of Section 332(c)(7)(B) to Ensure Timely Siting Review and to Preempt Under Section 253 State and Local Ordinances that Classify All Wireless Siting Proposals as Requiring a Variance, WT Docket No. 08-165, *Declaratory Ruling*, 24 FCC Rcd. 13994, 14012, para. 46 & n.146 (2009) (*2009 Declaratory Ruling*), *recon. denied*, 25 FCC Rcd. 11157 (2010), *pet. for review denied sub nom. City of Arlington, Texas v. FCC*, 668 F.3d 229 (5th Cir.), *cert. granted*, 113 S.Ct. 524 (2012); 47 U.S.C. § 332(c)(7).

⁷ See 47 C.F.R. § 17.4(c)(1)(B); National Environmental Policy Act Compliance for Proposed Tower Registrations, WT Docket No. 08-61, *Order on Remand*, 26 FCC Rcd. 16700, 16720-21, para. 53 (2011).

on a wireless tower or base station substantially changes the physical dimensions of the underlying structure within the meaning of Section 6409(a).

What is a “wireless tower or base station”?

A “tower” is defined in the *Nationwide Collocation Agreement* as “any structure built for the sole or primary purpose of supporting FCC-licensed antennas and their associated facilities.”⁸ The Commission has described a “base station” as consisting of “radio transceivers, antennas, coaxial cable, a regular and backup power supply, and other associated electronics.”⁹ Section 6409(a) applies to the collocation, removal, or replacement of equipment on a wireless tower or base station. In this context, we believe it is reasonable to interpret a “base station” to include a structure that currently supports or houses an antenna, transceiver, or other associated equipment that constitutes part of a base station.¹⁰ Moreover, given the absence of any limiting statutory language, we believe a “base station” encompasses such equipment in any technological configuration, including distributed antenna systems and small cells.

Section 6409(a) by its terms applies to any “wireless” tower or base station. By contrast, the scope of Section 332(c)(7) extends only to facilities used for “personal wireless services” as defined in that section.¹¹ Given Congress’s decision not to use the pre-existing definition from another statutory provision relating to wireless siting, we believe the scope of a “wireless” tower or base station under Section 6409(a) is not intended to be limited to facilities that support “personal wireless services” under Section 332(c)(7).

May a state or local government require an application for an action covered under Section 6409(a)?

Section 6409(a) states that a state or local government “may not deny, and shall approve, any eligible facilities request....” It does not say that a state or local government may not require an application to be filed. The provision that a state or local government must approve and may not deny a request to take a covered action, in the Bureau’s view, implies that the relevant government entity may require the filing of an application for administrative approval.

⁸ See *Nationwide Collocation Agreement*, § I.B.

⁹ See Implementation of Section 6002(b) of the Omnibus Budget Reconciliation Act of 1993, WT Docket No. 10-133, *Annual Report and Analysis of Competitive Market Conditions With Respect to Mobile Wireless, Including Commercial Mobile Services, Fifteenth Report*, 26 FCC Rcd. 9664, 9481, para. 308 (2011).

¹⁰ See also 47 C.F.R. Part 1, App. C, *Nationwide Programmatic Agreement Regarding the Section 106 National Historic Preservation Act Review Process*, § II.A.14 (defining “tower” to include “the on-site fencing, equipment, switches, wiring, cabling, power sources, shelters, or cabinets associated with that Tower but not installed as part of an Antenna as defined herein”).

¹¹ 47 U.S.C. § 332(c)(7)(A). “Personal wireless services” is in turn defined to mean “commercial mobile services, unlicensed wireless services, and common carrier wireless exchange access services.” *Id.* § 332(c)(7)(C)(1).

Is there a time limit within which an application must be approved?

Section 6409(a) does not specify any period of time for approving an application. However, the statute clearly contemplates an administrative process that invariably ends in approval of a covered application. We believe the time period for processing these applications should be commensurate with the nature of the review.

In the *2009 Declaratory Ruling*, the Commission found that 90 days is a presumptively reasonable period of time to process collocation applications.¹² In light of the requirement of Section 6409(a) that the reviewing authority “may not deny, and shall approve” a covered request, we believe that 90 days should be the maximum presumptively reasonable period of time for reviewing such applications, whether for “personal wireless services” or other wireless facilities.

Wireless Telecommunications Bureau contact: Maria Kirby at (202) 418-1476 or by email: Maria.Kirby@fcc.gov.

-FCC-

For more news and information about the Federal Communications Commission please visit: www.fcc.gov

¹² See *2009 Declaratory Ruling*, 24 FCC Rcd. at 14012-13, paras. 46-47.

APPENDIX

SEC. 6409. WIRELESS FACILITIES DEPLOYMENT.

(a) FACILITY MODIFICATIONS.

(1) IN GENERAL. Notwithstanding section 704 of the Telecommunications Act of 1996 (Public Law 104–104) or any other provision of law, a State or local government may not deny, and shall approve, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station.

(2) ELIGIBLE FACILITIES REQUEST. For purposes of this subsection, the term “eligible facilities request” means any request for modification of an existing wireless tower or base station that involves —
(A) collocation of new transmission equipment;
(B) removal of transmission equipment; or
(C) replacement of transmission equipment.

(3) APPLICABILITY OF ENVIRONMENTAL LAWS. Nothing in paragraph (1) shall be construed to relieve the Commission from the requirements of the National Historic Preservation Act or the National Environmental Policy Act of 1969.

Structural Analysis

April 11, 2014

Sprint
1 International Blvd
Suite 800
Mahwah, NJ 07495

Structural Evaluation of Antenna Loads

RE:

Candidate Number BS03XC580
Candidate Name Westwood
Candidate Address 1 Fox Hill Street, Westwood, MA 02090

To whom it may concern:

Chappell Engineering Associates, LLC has reviewed the existing antenna installation at the above referenced location. Based upon the site audit completed by others, the existing antenna mounts consist of antenna pipe masts u-bolted to upper and lower HSS 3x3x1/4" stand-off mounts stud welded to the face of the water standpipe.

The current Sprint antenna configuration consists of:

<u>Sector</u>	<u>Antenna</u>	<u>Remote Radio Unit</u>	<u>Antenna Support</u>
Alpha	(1) RFS APXVSP18-C-A20	(1)800MHz + (1)1900MHz	Pipe mast U-bolted to T&B stand-off
Beta	(1) RFS APXVSP18-C-A20	(1)800MHz + (1)1900MHz	Pipe mast U-bolted to T&B stand-off
Gamma	(1) RFS APXVSP18-C-A20	(1)800MHz + (1)1900MHz	Pipe mast U-bolted to T&B stand-off



Sprint currently proposes to add the following additional antennas and associated hardware:

<u>Sector</u>	<u>Antenna</u>	<u>Remote Radio Unit</u>	<u>Antenna Support</u>
Alpha	(1) RFS APXVTM14-C-120	(1)2500MHz	Pipe mast U-bolted to T&B stand-off
Beta	(1) RFS APXVTM14-C-120	(1)2500MHz	Pipe mast U-bolted to T&B stand-off
Gamma	(1) RFS APXVTM14-C-120	(1)2500MHz	Pipe mast U-bolted to T&B stand-off

Based upon our review of the existing antenna mounts, and our review of the proposed aggregate antenna and associated hardware loads, Chappell Engineering Associates, LLC has determined that the existing structure and proposed antenna mounting system have adequate capacity to support the proposed antenna configuration as detailed on our construction drawings. Photos of the existing installation as well as the appropriate antenna mounting details have been included in our construction drawings which are enclosed for your convenience.

If you have any questions regarding this matter, please do not hesitate to call.

Very truly yours,
CHAPPELL ENGINEERING ASSOCIATES

Clement J Salek, P.E.
CJS/cjs



Existing Antenna Installation (uppermost antenna)



Existing Stand-off Mount (T&B)



PROJECT NAME: 2.5 EQUIPMENT DEPLOYMENT
MARKET NAME: BOSTON

BS03XC580
WESTWOOD

1 FOX HILL STREET
WESTWOOD, MA 02090
NORFOLK COUNTY

SITE TYPE: WATER TANK

SITE INFORMATION:

LAND/TOWER OWNER: DEPAH/WESTWOOD WATER DISTRICT
101 STATE STREET, BOX 9137
DEBRAH, MA 02827

APPLICANT: SPRINT
1 INTERNATIONAL BLVD, SUITE 800
MAHWAH, NJ 07495

SITE ADDRESS: 1 FOX HILL STREET
WESTWOOD, MA 02090

COUNTY: NORFOLK

LATITUDE: N 42° 13' 44.31"

LONGITUDE: W 71° 12' 55.80"

GROUND ELEVATION: 323.0' ± AMSL

SITE TYPE: WATER TANK

STRUCTURE HEIGHT: 90' ± AGL

ANTENNA RAD CENTER: 86' ± ± AGL

TAX ID PARCEL NUMBER: MAP 08 LOT 065

ZONING JURISDICTION: TOWN OF WESTWOOD

ZONING DISTRICT: SRE (SINGLE RESIDENTIAL E)

ARCHITECT / ENGINEER: CHAPPELL ENGINEERING ASSOCIATES, LLC
201 BOSTON POST ROAD WEST, SUITE 101
MAHLEBOROUGH, MA 01752

POWER COMPANY: NSTAR ELECTRIC COMPANY
WESTWOOD, MA 02090
(888) 653-3797

FIBER COMPANY: COMCAST, INC.
85 EAST BELCHER STREET
FOXBOROUGH, MA 02035
(508) 543-9622

SPRINT MARKET MANAGER: RONALD HIBBARD
(774) 269-4837
ronald.hibbard@sprint.com

EQUIPMENT SUPPLIER: GLOBE TELECOM
600 WASHINGTON AVENUE
MURRAY HILL NJ 07974
(908) 508-8080

GENERAL NOTES

- THIS IS AN UNMANAGED AND RESTRICTED ACCESS TELECOMMUNICATIONS FACILITY, AND IS NOT TO BE USED FOR THE TRANSMISSION OF RADIO SIGNAL FOR THE PURPOSE OF PROVIDING PUBLIC CELLULAR SERVICE.
- ADA COMPLIANCE IS NOT REQUIRED.
- POTABLE WATER OR SANITARY SERVICE IS NOT REQUIRED.
- NO OUTDOOR STORAGE OR ANY SOLID WASTE RECEPTACLES ARE REQUIRED PER MONTH AT ONE HOUR PER VISIT.
- SPRINT MAINTENANCE CREW (TYPICALLY ONE PERSON) WILL MAKE AN AVERAGE OF ONE TRIP PER MONTH AT ONE HOUR PER VISIT.
- DRAWINGS AND NEW CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE SPRINT/NETEL INTEGRATED CONSTRUCTION STANDARDS FOR COMBINED WIRELESS SITES, STANDARD CIVIL DETAILS AND GENERAL DESIGN GUIDELINES, CODES AND ORDINANCES.

VICINITY MAP

SCALE: 1"=1000'



DIRECTIONS

TAKE I-94 EAST, TAKE THE EXIT FOR I-90 EAST TOWARD NEW HAMPSHIRE. TAKE EXIT 14 FOR I-96 SOUTH TOWARD SOUTH SHORE. TAKE EXIT 18B TO MERGE ONTO MA-108 WEST/HIGH STREET TOWARDS WESTWOOD. MERGE ONTO MA-109 WEST/HIGH STREET, TURN LEFT ONTO FOX HILL STREET. DESTINATION WILL BE ON THE RIGHT.



AT LEAST 72 HOURS PRIOR TO DIGGING, THE CONTRACTOR IS REQUIRED TO CALL DIG SAFE AT 811

APPROVALS

LANDLORD/TOWER OWNER: _____
CONSTRUCTION MANAGER: _____
RF ENGINEER: _____
SITE ACQUISITION/LEASING AGENT: _____
SPRINT: _____

SHEET INDEX

DWG.	DESCRIPTION	REV.
T-1	TITLE SHEET	0
GN-1	GENERAL NOTES 1	0
GN-2	GENERAL NOTES 2	0
A-1	COMPOUND PLAN & ELEVATION	0
A-2	ANTENNA PLANS & DETAILS	0
A-3	EQUIPMENT PLAN, DETAILS & HYBRID CABLE SPECIFICATIONS	0
A-4	RF DATA SHEET & BILL OF MATERIALS	0
A-5	WIRING DIAGRAMS	0
S-1	STRUCTURAL DETAILS	0
E-1	ONE-LINE DIAGRAM & PFC DETAILS	0
E-2	GROUNDING DETAILS & NOTES	0

PROJECT DESCRIPTION

SPRINT EQUIPMENT MODIFICATIONS REQUIRED TO SUPPORT MODERNIZATION OF AN EXISTING WIRELESS COMMUNICATIONS FACILITY AND UTILIZATION OF FCC BROADBAND SPECTRUM LICENSE FOR 2.5GHz FREQUENCY, INCLUDING INSTALLATION OF:

GROUND-LEVEL RAN EQUIPMENT, CONSISTING OF:

- (1) COAXIAL CABLES AND ASSOCIATED FIBER, DC POWER, COAXIAL CABLE JUMPERS AND RETROFIT EXISTING AMBETS CABINET WITH 2.5 RADIO ACCESS NETWORK (RAN)
- (1) ADDITIONAL BATTERY STRING INSIDE EXISTING BATTERY BACKUP (BBU) CABINET

TOWER-TOP EQUIPMENT, INCLUDING INSTALLATION OF:

- (3) PANEL ANTENNAS (RAN)
- (3) FIBER CABLES (AND ASSOCIATED FIBER, DC POWER, COAXIAL CABLE JUMPERS AND ANTENNA REMOTE ELECTRICAL-TILT (RET) CABLE)

SPECIAL FINANCING NOTE
BASED ON FINANCING PROVIDED BY SPRINT REGULATORY COMPLIANCE PROFESSIONALS AND LEGAL COUNSEL, THIS TELECOMMUNICATIONS EQUIPMENT DEPLOYMENT IS CONSIDERED AN ELIGIBLE FACILITY UNDER THE TAX RELIEF ACT OF 2012, 47 USC 1455(A), AND IS SUBJECT TO AN EXPEDITED ELIGIBLE FACILITIES REQUEST/REVIEW AND ZONING REVIEW. THE PROJECT WILL REQUIRE ADDITIONAL PERMITS (VARIABLE SPECIAL PERMIT, SITE PLAN REVIEW, ADMINISTRATIVE REVIEW).

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE PROJECT OWNERS REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

ENGINEER/LAND SURVEYOR	DATE

REV.	#	DATE	DESCRIPTION
0	04/02/14	ISSUED FOR REVIEW	

PROJECT NO.: 1236.000
ISSUED BY: JMF
CHECKED BY: JMF
AS SHOWN

PROJECT INFORMATION:
BS03XC580
WESTWOOD
1 FOX HILL STREET
WESTWOOD, MA 02090

TITLE SHEET

DRAWING NUMBER
T-1



1 INTERNATIONAL BLVD, SUITE 800
MAHWAH, NJ 07495
(201) 684-4000



16 CHESTNUT STREET, SUITE 220
FOXBOROUGH, MA 02035
(774) 215-5821
www.trm.com



R.K. EXECUTIVE CENTRE
SUITE 101
MARLBOROUGH, MA 01752
(508) 481-7400
www.chappellingengineering.com

ENGINEER/LAND SURVEYOR DATE
IT IS A VIOLATION OF LAW FOR ANY PERSON,
FIRM OR CORPORATION TO REPRODUCE OR
OF A LICENSED PROFESSIONAL ENGINEER
TO ALTER THIS DOCUMENT.

REV. #	DATE	DESCRIPTION
0	04/02/14	ISSUED FOR REVIEW

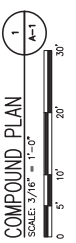
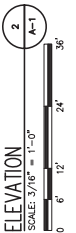
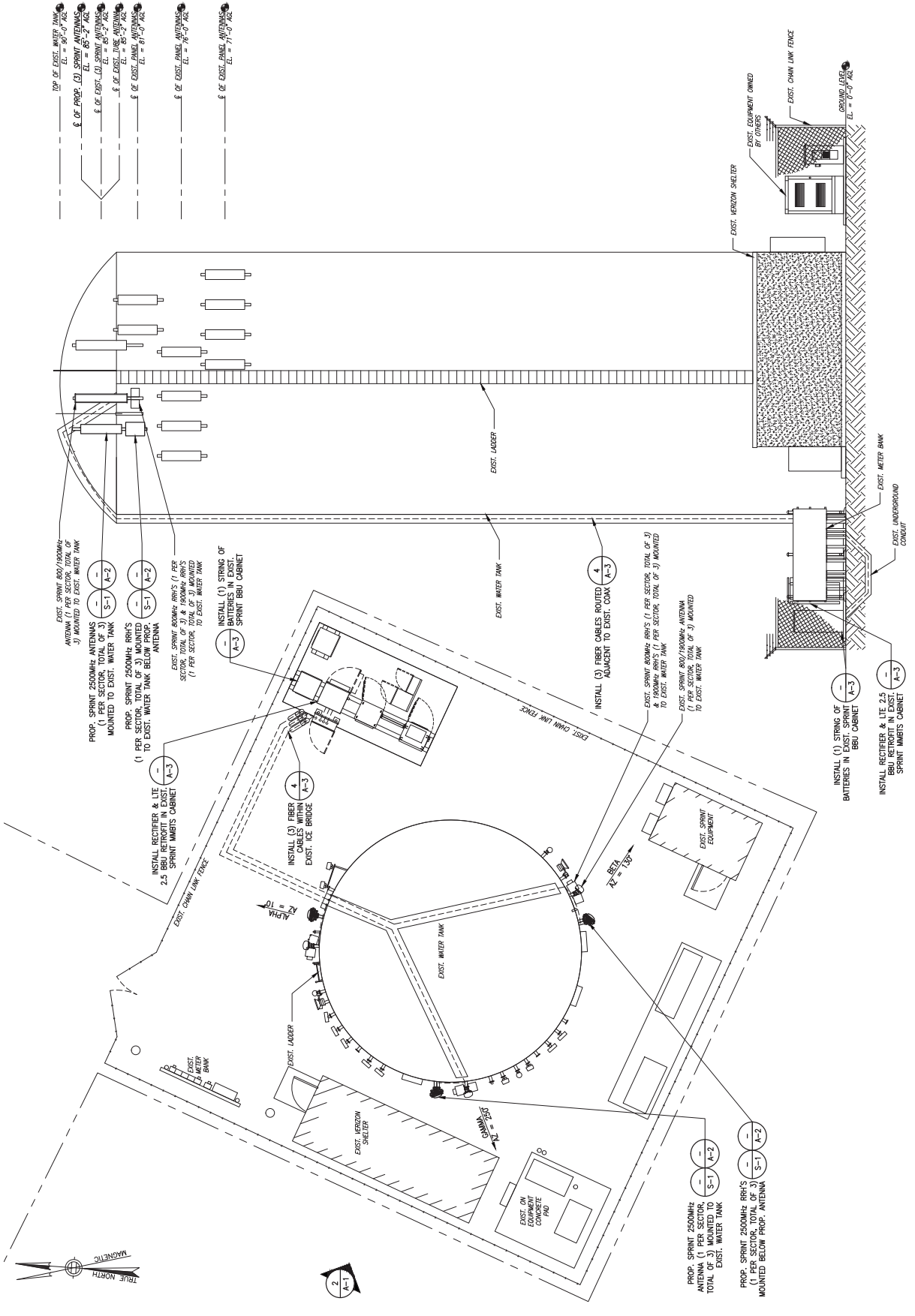
PROJECT NO. 1238.080
DESIGNED BY: JMT
CHECKED BY: JMT
SCALE 1" = 10'

PROJECT INFORMATION
BS03XC580
WESTWOOD
1 FOX HILL STREET
WESTWOOD, MA 02090

DRAWING TITLE
COMPOUND PLAN & ELEVATION

DRAWING NUMBER
A-1

- TOP OF EXIST. WATER TANK
EL. = 90'-0" AS
- OF PROP. (3) SPRINT ANTENNAS
EL. = 85'-2" AS
- OF EXIST. CO. SPRING ANTENNA
EL. = 85'-2" AS
- OF EXIST. TOWER ANTENNA
EL. = 85'-2" AS
- OF EXIST. WATER TANK
EL. = 85'-2" AS
- OF EXIST. WATER TANK
EL. = 71'-0" AS





1 INTERNATIONAL BLVD, SUITE 800
MAHWAH, NJ 07495
(201) 884-4000



16 CHESTNUT STREET, SUITE 220
FOXBOROUGH, MA 02035
(774) 213-5421
www.trm.com



R.K. CHAPPELL
ENGINEERING
ASSOCIATES, LLC
Civil-Structural-Land Surveying
R.K. EXECUTIVE CENTRE, SUITE 101
101 WEST ST.
MILFORD, MA 01752
(508) 481-7400
www.chappellengineering.com

ENGINEER/LAND SURVEYOR DATE
IT IS A VIOLATION OF LAW FOR ANY PERSON,
UNLESS SPECIFICALLY AUTHORIZED BY THE
SIGNATURE OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

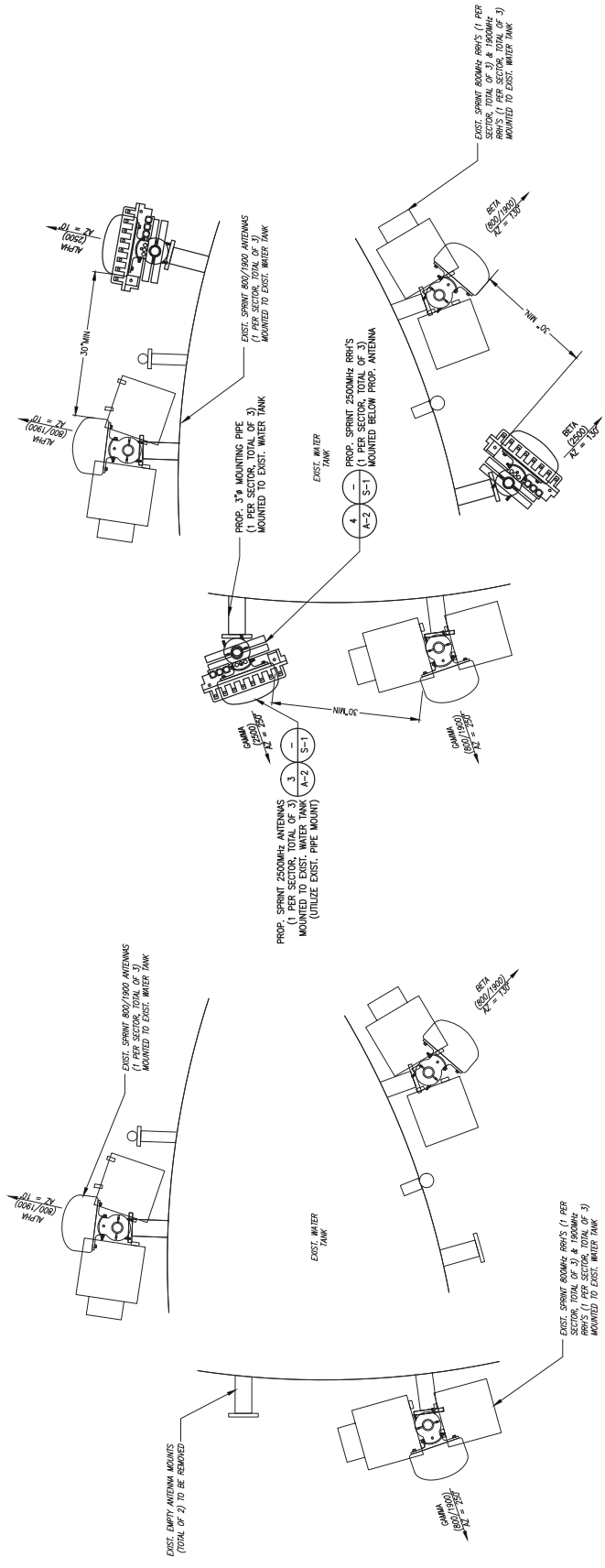
REV.	#	DATE	DESCRIPTION
0	04/02/14		ISSUED FOR REVIEW

PROJECT NO.	1238060	SCALE	AS SHOWN
DESIGNED BY:	JMF	CHECKED BY:	JMF

PROJECT INFORMATION
BS03XC580
WESTWOOD
1 FOX HILL STREET
WESTWOOD, MA 02080

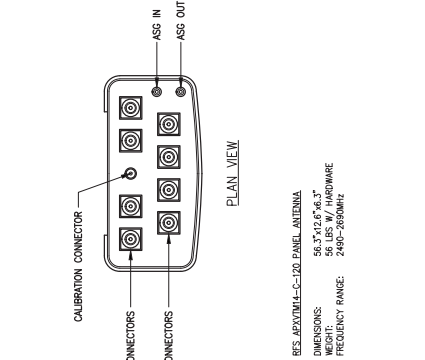
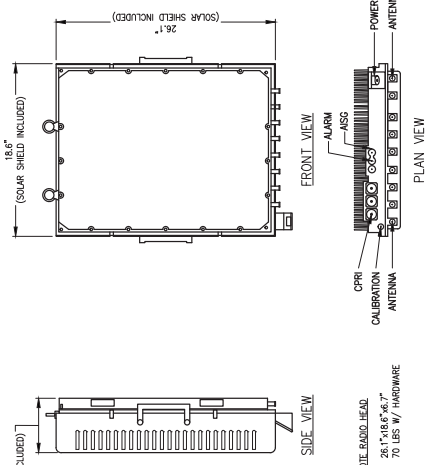
FORMING TITLE
ANTENNA PLANS & DETAILS

FORMING NUMBER
A-2



PROP. ANTENNA PLAN
SCALE: 1" = 1'-0"
NORTH

EXIST. ANTENNA PLAN
SCALE: 1" = 1'-0"
NORTH



2500MHz RRR DETAILS
N.T.S.

2500MHz ANTENNA DETAILS
N.T.S.



1 INTERNATIONAL BLVD, SUITE 800
MAHWAH, NJ 07495
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R.K. EXECUTIVE CENTRE, SUITE 101
101 WILSON BLVD., MA 01752
(508) 481-7400
www.chappellengineering.com

ENGINEER/LAND SURVEYOR	DATE

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

REV.	DATE	DESCRIPTION
0	04/02/14	ISSUED FOR REVIEW

PROJECT NO.	1238.060	ISSUED BY:	JAF	SCALE
CHECKED BY:	JAF	AS SHOWN		

PROJECT INFORMATION
BS03XC580
WESTWOOD
 1 FOX HILL STREET
 WESTWOOD, MA 02880

DRAWING TITLE
 STRUCTURAL
 DETAILS

DRAWING NUMBER
S-1

STUD WELDING SPECIFICATIONS

SPECIFICATION FOR STUD WELDING TO EXISTING WATER TANKS GENERAL:

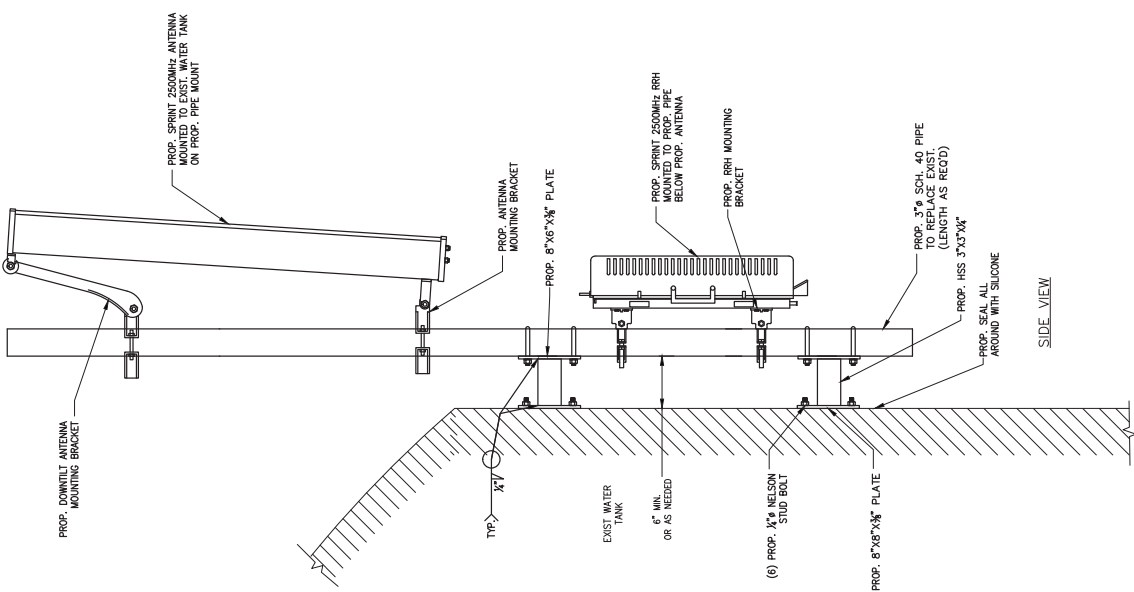
- WELDING STUDS SHALL BE FLANGED THREADED LOW CARBON COPPER COATED STEEL STUDS, GRADE 1010 THROUGH 1020, CONFORMING TO ASTM A-106 "STEEL BARS, CARBON, COLD FINISHED, STANDARD QUALITY." ALL STUDS SHALL BE 3/8" DIAMETER X 1'-3/4" LONG, UNLESS OTHERWISE NOTED ON THE CONSTRUCTION DRAWINGS.
- STUDS MUST BE WELDED BY THE CAPACITOR DISCHARGE METHOD, NELSON NCD 100 SYSTEM, AS MANUFACTURED AND MARKED BY TRW ELECTRONIC STUD WELDING DIVISION, ELYRIA, OHIO (800) 635-9353 OR (216) 329-0400 OR APPROVED EQUAL. FILLET WELDS ARE NOT ACCEPTED.
- CONTRACTOR SHALL REVIEW THE OWNER'S REQUIREMENTS FOR TANK INSPECTIONS PRIOR TO THE WORK ON THE TANK. UPON THE COMPLETION OF CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A WRITTEN RELEASE FROM THE OWNER STATING THAT ALL WORK DONE WAS PERFORMED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND THE OWNER'S WRITTEN REQUIREMENTS AND RELEASES ALL LIABILITY TO THE CONTRACTOR, THE ENGINEER, AND THE STUD MANUFACTURER.
- CONTRACTOR SHALL COMPLY WITH AWS D1.1 AND AWS C5.4 FOR PROCEDURES, APPEARANCE AND QUALITY OF WELDS, AND FOR METHODS USED IN CORRECTING WELDING. ALL WELDERS AND WELDING PROCESSES SHALL BE QUALIFIED IN ACCORDANCE WITH AWS STANDARD QUALIFICATION PROCEDURES. CONTRACTOR SHALL ADHERE TO AWS RECOMMENDED "SAFE PRACTICES FOR WELDING."
- WELDING PARAMETERS, MACHINE POWER AND DWELL TIME SHALL BE QUALIFIED FOR THE WELDING POSITION, MATERIAL THICKNESS AND STUD SIZE TO BE USED. IF CHANGES IN THE SET-UP OCCUR AS DEFINED IN AWS D1.1, THE PROCEDURE MUST BE REQUALIFIED.
- CONTRACTOR SHALL SUBMIT CERTIFICATION OF WELDERS FOR STUD WELDING TO THE ENGINEER PRIOR TO COMMENCEMENT OF THE WORK.
- CLEANING PROCEDURES SHALL BE VERIFIED AS MEETING THE MINIMUM REQUIREMENTS PER THE AWS WELDING HANDBOOK, VOLUME 2, "QUALITY CONTROL AND INSPECTION" FOR STUD WELDING. IF THE EXISTING COATING SYSTEM CONTAINS LEAD OR OTHER POTENTIALLY HAZARDOUS MATERIALS, SPECIAL PROCEDURES FOR REMOVAL AND DISPOSAL WILL BE REQUIRED.
- PREPARE SURFACE TO BE WELDED BY SPOT REMOVING PAINT TO BARE METAL USING POWER BRUSHING IN ACCORDANCE WITH SSPC-SP11, (STEEL STRUCTURES PAINTING COUNCIL, SSPC-VIS 1-671). USE A 3M STRIP-IT-CLEAN FLEXIBLE WHEEL OR APPROVED EQUAL. A WIRE WHEEL IS NOT ACCEPTABLE.
- FOLLOW POWER TOOL CLEANING WITH A NON-FLAMMABLE SOLVENT CLEANING TO REMOVE ANY OILS, CONTAMINANTS, RUST OR DIRT PRIOR TO STUD WELDING. (SSPC-SP1 BY STEEL STRUCTURES PAINTING COUNCIL, SSPC-VIS 1-671) STUD QUALIFICATION TESTING AND SAMPLING.
- THE QUALIFICATION OF STUD APPLICATION AND PRE-PRODUCTION TESTING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 7 "STUD WELDING" OF AWS D1.1. INITIAL QUALIFICATION TESTING SHALL BE PERFORMED UNDER INSPECTION BY THE ENGINEER.
- BEFORE PRODUCTION, AT THE START OF EVERY SHIFT AND FOR EACH PARTICULAR SETUP, TESTING SHALL BE PERFORMED ON THE FIRST TWO STUDS THAT ARE WELDED. TESTING MAY BE PERFORMED ON A MATERIAL SIMILAR TO THE PRODUCTION MEMBER IN THICKNESS AND PROPERTIES. TESTING SHALL INCLUDE A VISUAL EXAMINATION OF THE STUD WELD FOR A FULL 360-DEGREE FLASH. IN ADDITION, THE TEST SHALL INCLUDE TORQUE TESTING THE STUDS IN ACCORDANCE WITH THE FOLLOWING CRITERIA:

STUD DIAMETER (IN)	TESTING TORQUE (FT-LB)
1/4"-20 UNC	3.6
5/16"-18 UNC	6.0
1/2"-13 UNC	24
- IF FAILURE OCCURS, THE PROCEDURE SHALL BE CORRECTED AND TWO MORE STUDS SHALL BE WELDED AND TESTED.
- ALL PAINTED SURFACES AFFECTED BY WELDING OPERATIONS SHALL BE REPAINTED TO MATCH ADJACENT EXISTING SURFACES. PAINTING SHALL INCLUDE COATING OF THE STUDS.
- PRIOR TO REPAINTING, SURFACES SHALL BE SOLVENT CLEANED TO REMOVE ANY OILS, CONTAMINANTS, RUST OR DIRT PRIOR TO REPAINT. (SSPC-SP1 BY STEEL STRUCTURES PAINT COUNCIL, SSPCOVIS 1-671).
- EXTERIOR STEEL SHALL BE PAINTED WITH 1 COAT EPOXY PRIMER (DFT=5-7 MIL) AND 2 COATS POLYURETHANE FINISH (DFT=4-6 MIL) WITH COLOR TO MATCH EXISTING SURFACE. PAINT SHALL BE AS MANUFACTURED BY SHERWIN WILLIAMS, CLEVELAND, OHIO, 1-800-321-8184 OR EQUAL COATING TO MATCH EXISTING. CONTRACTOR SHALL VERIFY OWNER'S PAINT REQUIREMENTS PRIOR TO THE COMMENCEMENT OF WORK.
- CONTRACTOR TO VERIFY COATING SYSTEMS ARE COMPATIBLE WITH THE EXISTING SYSTEMS BY ADHESION TESTING PER ASTM D3359 "MEASURING ADHESION BY TAPE TEST."
- CONTRACTOR TO VERIFY THAT CANS OF THE PRODUCT ARE NOT BEYOND MANUFACTURER RECOMMENDED SHELF LIFE. ASSURE THOROUGH MIXING OF PREMASURED TWO COMPONENT COATING SYSTEMS.
- SURFACE CLEANING SHALL BE FOLLOWED WITH PRIMER COAT ON THE SAME DAY.
- PAINT MUST BE APPLIED AT SURFACE AND AMBIENT TEMPERATURES BETWEEN 50 DEGREES TO 120 DEGREES FAHRENHEIT. NO PAINTING SHALL BE DONE ABOVE 80 % RELATIVE HUMIDITY. THE AMBIENT TEMPERATURE BEFORE THE START OF COATING APPLICATION MUST BE AT LEAST 5 DEGREES FAHRENHEIT ABOVE THE DEW POINT AS DETERMINED BY CONVENTIONAL ACCEPTED STANDARDS.
- PAINT SHALL BE APPLIED USING A NATURAL BRISTLE BRUSH FOR A SMOOTH BRUSH FINISH.
- PAINT SHALL BE FEATHERED OUT AT THE IN AREAS OF EXISTING COATING. PAINT SHALL BE WORKED IN AND AROUND IRREGULARITIES IN THE SURFACE.
- REPAIRS TO ANY DAMAGE TO THE EXISTING COATING SYSTEM ON THE TANK RESULTING FROM INSTALLATION PROCEDURES USED BY THE CONTRACTOR WILL BE THE COMPLETE RESPONSIBILITY OF THE CONTRACTOR. ANY AND ALL DAMAGED COATINGS WILL BE REPAIRED AT THE DIRECTION OF THE TOWN OF ENFIELD RESIDENT INSPECTION COMPANY. ANY AREAS DAMAGED TO BARE METAL ARE TO BE POWER TOOL CLEANED TO BARE METAL. ALL COATING REPAIRS SHALL BE DONE IN ACCORDANCE WITH THE EXISTING COATING SYSTEM. ALL REPAIRS SHALL BE DONE IN THE SAME DIRECTION AS THE EXISTING COATING. ALL REPAIRS SHALL BE COMPATIBLE WITH THE EXISTING PAINT SYSTEM AND SHALL MATCH THE EXISTING COLOR SCHEME. ALL COATINGS ARE TO BE APPLIED IN ACCORDANCE WITH, AND AT THE RECOMMENDED DRY FILM THICKNESS REQUIREMENTS AS OUTLINED IN THE COATING MANUFACTURERS PRODUCT DATA SHEETS. CONTRACTOR SHALL UTILIZE SHERWIN WILLIAMS COATINGS & SHALL WORK WITH THE WATER DEPARTMENT FOR SPECIFIC COLOR RED.

- CONTRACTOR TO VERIFY THAT CANS OF THE PRODUCT ARE NOT BEYOND MANUFACTURER RECOMMENDED SHELF LIFE. ASSURE THOROUGH MIXING OF PREMASURED TWO COMPONENT COATING SYSTEMS.
- SURFACE CLEANING SHALL BE FOLLOWED WITH PRIMER COAT ON THE SAME DAY.
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- INSTALLATION NOTES:
- CONTRACTOR TO ENSURE THAT RHH MOUNTING DOES NOT INTERFERE WITH CLIMBING LADDER, CABLE CLIMB, OR COAX PORTS.
 - CONTRACTOR TO VERIFY IN FIELD SIZE OF EXISTING MOUNTING PIPE TO BE 3" SCH 40 PIPE WAST. (IF AVAILABLE)
 - VERIFY EXACT RHH AND ANTENNA MODEL & ADJUSTING WITH RF ENGINEER PRIOR TO INSTALLATION.
 - ROTATE EXISTING ANTENNA FRAME AS NEEDED TO ACCOMMODATE INSTALL ANTENNAS.
 - RHH PLACEMENT FOR REFERENCE ONLY. CONTRACTOR SHALL PLACE RHH IN CORRECT ORDER MATCHING INSTALL ANTENNA PLACEMENT AND ENSURE THAT THERE IS ENOUGH CLEARANCE FOR RRRS TO BE PLACED ON THE INSIDE OF THE ANTENNA FRAME/PIPE.
 - INSTALL EQUIPMENT TO BE MOUNTED PER MANUFACTURERS SPECIFICATIONS.

NOTE:
 PROPOSED ANTENNAS AND RRR'S TO BE PAINTED TO MATCH EXISTING WATER TANK



TYPICAL 2500MHZ ANTENNA & RHH MOUNTING DETAIL
 N.T.S.

Landlord Authorization



April 8, 2014

Eileen Commane- Executive Director
Dedham-Westwood Water District
50 Elm St P.O. Box 9137
Dedham, MA 02027-9137

RE: PCS Site Agreement between Dedham-Westwood Water District (“Landlord”) and Sprint Spectrum, L.P., (“Tenant”) dated August 28, 1997, as amended by Amendment No. 1 dated October 16, 2009 (Site Agreement), with respect to the real property located at 213 Fox Hill Street, Westwood, MA 02090 (Site), Cascade No. BS03XC580.

Dear Ms Commane:

This letter is to advise you that it will be necessary within the near future for Sprint Nextel to make certain physical modifications to equipment within Tenant’s premises at the Site. These improvements are being undertaken in order to ensure the continued technical and economic feasibility of Tenant’s facility, and are needed for Tenant to make optimal use of the Site for the purposes intended by the Site Agreement. As described below, these modifications should have no significant impact on Landlord’s property or operations. However, in accordance with the Site Agreement, Tenant requests that Landlord acknowledge notice of, and consent to, the following modifications:

Adding three (3) panel antennas and three (3) RRH’s to the existing antenna mounts located at 85.2 feet on the water tank. Three (3) fiber hybrid cable and associated coax jumper cables will run from the antennas to the equipment cabinets located at the base station. Additionally, Sprint proposes to retrofit existing MMBTS cabinet with 2.5 Radio Access Network (RAN) equipment. Also, install (1) one additional battery string inside existing Battery Backup (BBU) cabinet. All proposed modifications will be done within the existing lease area.

Landlord’s acknowledgement of notice and consent will not increase the size or amount of space being used by Tenant under the Site Agreement unless specifically stated above.

Please indicate your acknowledgement and consent by signing below (and the first page of the drawings) and returning one copy of this letter to me at the address set forth above.

Thank you in advance for your prompt attention to this matter.

Regards,

By: Jon Ritter

Tower Resource Management, an authorized representative of Sprint Nextel

Jon Ritter

Tower Resource Management, Inc.

16 Chestnut Street

Suite 220

Foxborough, MA 02035

mobile: 774-264-0016

fax: 774-215-5423

ACKNOWLEDGED AND AGREED TO:

*conditional upon review by DWWD Engineer and
Dedham-Westwood Water District*

Eileen Commare

Printed Name: Eileen Commare

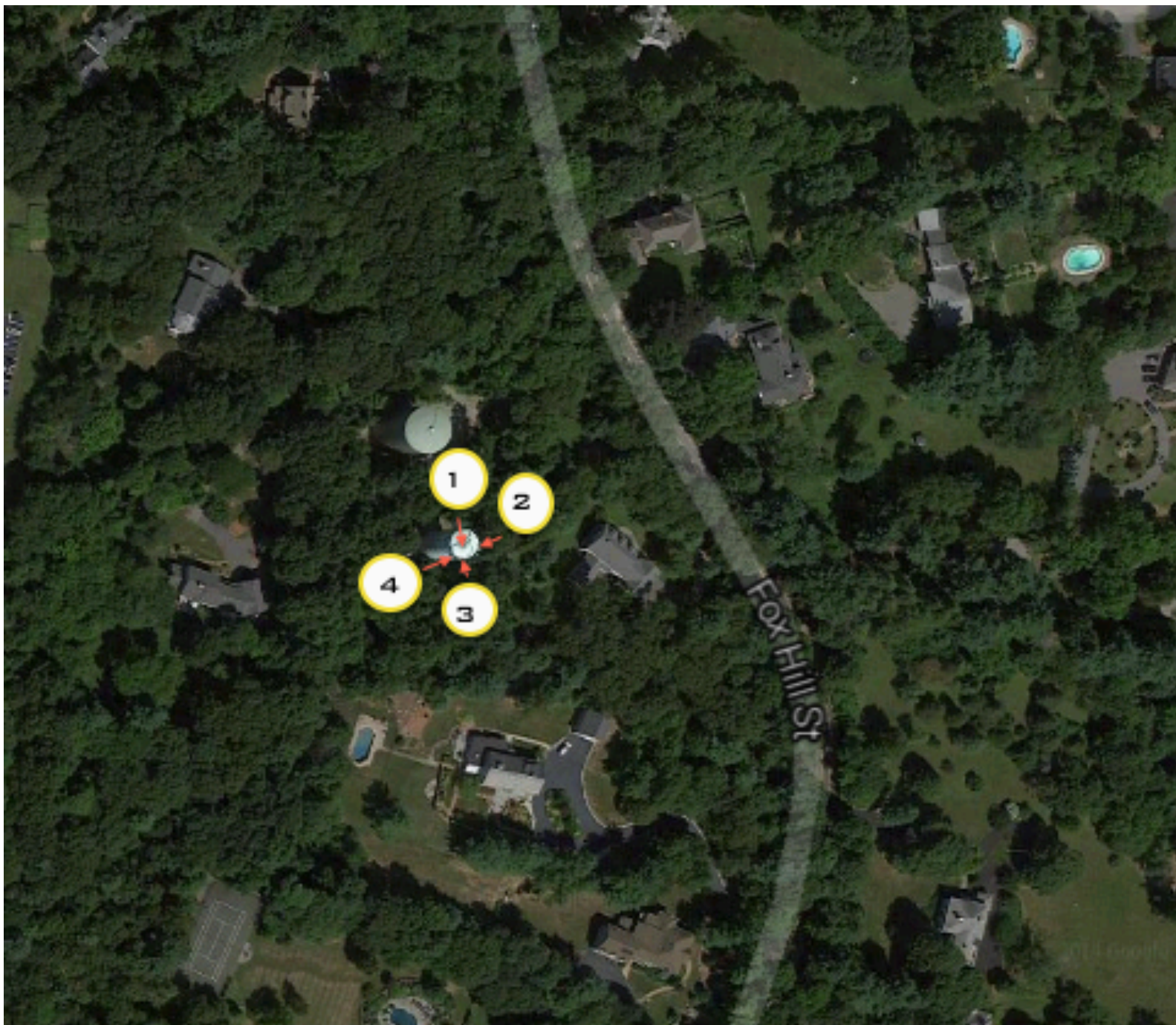
Title: Exec. Dir

Date: 5-16, 2014

(Date must be completed)

*Acceptable
authorization by
Sprint Spectrum L.L.C.*

Site Photographs



SITE NUMBER: BSD3XC580

DATE: 7/31/14

SITE NAME: 1 FOX HILL STREET

**EDITED BY: ABOVE & BEYOND
NETWORKING**

**ADDRESS: 1 FOX HILL STREET
WESTWOOD, MA 02090**

VIEW FROM: MAP

BEFORE



1

SITE NUMBER: BS03XC580

DATE: 7/31/14

SITE NAME: 1 FOX HILL STREET

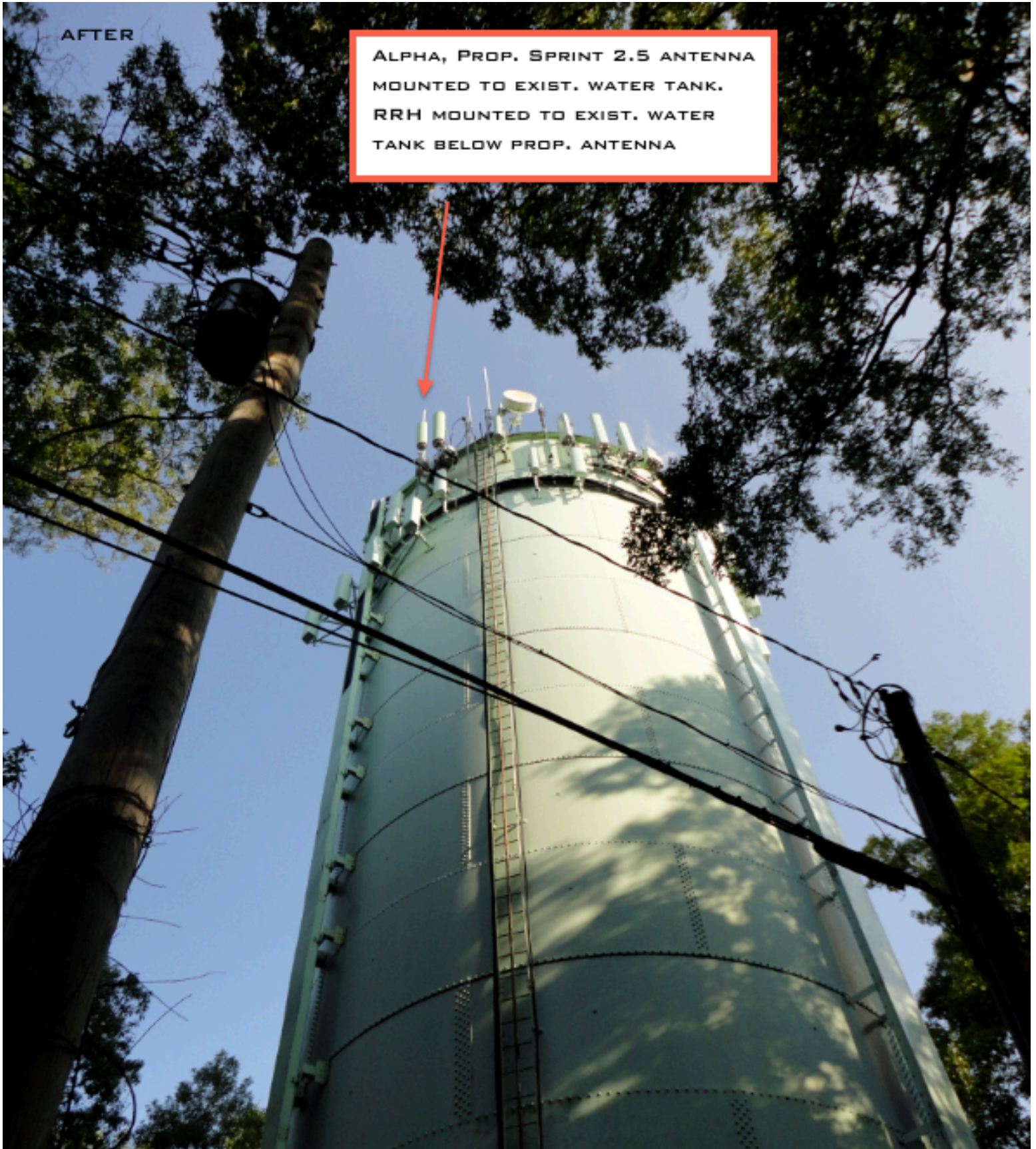
**EDITED BY: ABOVE & BEYOND
NETWORKING**

**ADDRESS: 1 FOX HILL STREET
WESTWOOD, MA 02090**

VIEW FROM: NORTH

AFTER

ALPHA, PROP. SPRINT 2.5 ANTENNA
MOUNTED TO EXIST. WATER TANK.
RRH MOUNTED TO EXIST. WATER
TANK BELOW PROP. ANTENNA



SITE NUMBER: BSD3XC580

DATE: 7/31/14

SITE NAME: 1 FOX HILL STREET

EDITED BY: ABOVE & BEYOND
NETWORKING

ADDRESS: 1 FOX HILL STREET
WESTWOOD, MA 02090

VIEW FROM: NORTH



SITE BLOCKED BY TREES

2

SITE NUMBER: B503XC580

DATE: 7/31/14

SITE NAME: 1 FOX HILL STREET

**EDITED BY: ABOVE & BEYOND
NETWORKING**

**ADDRESS: 1 FOX HILL STREET
WESTWOOD, MA 02090**

VIEW FROM: NE



BEFORE

3

SITE NUMBER: BS03XC580

DATE: 7/31/14

SITE NAME: 1 FOX HILL STREET

**EDITED BY: ABOVE & BEYOND
NETWORKING**

**ADDRESS: 1 FOX HILL STREET
WESTWOOD, MA 02090**

VIEW FROM: SOUTH

BETA, PROP. SPRINT 2.5
ANTENNA MOUNTED TO EXIST.
WATER TANK. RRH MOUNTED TO
EXIST. WATER TANK BELOW PROP.
ANTENNA

AFTER

SITE NUMBER: B603XC580

DATE: 7/31/14

SITE NAME: 1 FOX HILL STREET

EDITED BY: ABOVE & BEYOND
NETWORKING

ADDRESS: 1 FOX HILL STREET
WESTWOOD, MA 02090

VIEW FROM: SOUTH



GAMMA, SITE BLOCKED BY TREES

4

SITE NUMBER: 8S03XC580

DATE: 7/31/14

SITE NAME: 1 FOX HILL STREET

**EDITED BY: ABOVE & BEYOND
NETWORKING**

**ADDRESS: 1 FOX HILL STREET
WESTWOOD, MA 02090**

VIEW FROM: WEST

Site Plan