



CITY OF SOMERVILLE, MASSACHUSETTS
MAYOR'S OFFICE OF STRATEGIC PLANNING & COMMUNITY DEVELOPMENT
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Case #: ZBA 2014-98
Date: October 9, 2014
Recommendation: Conditional Approval

PLANNING STAFF REPORT

Site: 10 Webster Ave.

Applicant Name: Bell Atlantic Mobile of Massachusetts Corporation, Ltd, d/b/a Verizon Wireless
Applicant Address: 400 Friberg Parkway Westborough, MA 01581
Owner Name: D & M Nominee Trust
Owner Address: 6 Held Circle Medford, MA 02155
Agent: Daniel Klasnick
Agent Address: 16 Olde Farms Road Boxford, MA 01921
Alderman: Maryann Heuston

Legal Notice: Applicant, Bell Atlantic Mobile of Massachusetts Corporation, Ltd, d/b/a Verizon Wireless, and Owner, D & M Nominee Trust, seek a Special Permit under SZO §7.11.5.3 and SZO §14 to add equipment to an existing wireless communication facility. NB zone. Ward 2.

Dates of Public Hearing: Zoning Board of Appeals – October 15, 2014

The case was advertised with the incorrect section number for the wireless use, §7.13.I. In fact, the wireless use is §7.11.15.3. The original notice is sufficient in notifying abutters.

I. PROJECT DESCRIPTION

1. Subject Property: The subject property is an approximately 15,500 square foot lot with a 5-story brick apartment building in the heart of Union Square.
2. Proposal: The proposal is to add a microwave dish antenna to the existing wireless facility. This application is to complete network connectivity to 51 McGrath (ZBA case #2013-27 and subsequent revision) and allow site activation. The installation at 51 McGrath Highway is practically complete. The



original intent of the installation was to connect via telecommunications service, underneath the building. This has proven to be not possible; the alternative requires a microwave dish antenna to be installed at both 51 McGrath Highway and 10 Webster Avenue.

3. Green Building Practices: None listed on the application.

4. Comments:

Wiring Inspection: Has been contacted and has no comments at this time.

Lights and Lines: Has been contacted and has no comments at this time.

Ward Alderman: Has been contacted and has no comments at this time.

II. FINDINGS FOR SPECIAL PERMIT (SZO §7.11.15.3 & §14):

In order to grant a special permit, the SPGA must make certain findings and determinations as outlined in §5.1.4 of the SZO. This section of the report goes through §5.1.4 in detail.

1. Information Supplied:

The Staff finds that the information provided by the Applicant conforms to the requirements of §5.1.2 of the SZO and allows for a comprehensive analysis of the project with respect to the required Special Permits.

2. Compliance with Standards: *The Applicant must comply "with such criteria or standards as may be set forth in this Ordinance which refer to the granting of the requested special permit."*

The Applicant seeks a special permit under §7.11.15.3 of the SZO which requires the applicant to follow guidelines and procedures set forth in Article 14 for the, "regulation of wireless telecommunications facilities so as to allow and encourage such uses in the City with minimal harm to the public health, safety, and general welfare."

The Staff finds that minimal harm would be imposed upon the health, safety and welfare of the surrounding neighborhood. Verizon Wireless is a FCC licensed company that is required to comply with all state and federal regulations.

Review Criteria for Telecommunications Facilities:

- a) *Height of proposed facility*: The base of the building to the top roof beam is approximately 50' feet and the height to the top of the proposed antennas is approx. 60' feet or 10' above the roofline. This building is one of the tallest in the surrounding area and can connect with the facility at 51 McGrath Highway.
- b) *Proximity of facility to residential structures and residential zoning districts*: The building at 10 Webster Ave is a residential structure in Neighborhood Business district. Other residential and commercial structures directly about this property. This is an existing facility. The increase in equipment will not be noticeable. This project would have much greater impact if installed at a location without existing equipment.

- c) *Nature of uses on adjacent and nearby properties:* The site is located in a neighborhood business district. The surrounding neighborhood is a mix of residential and commercial uses. The proposed installation will not generate any objectionable odor, fumes, glare, smoke, or dust nor require additional lighting or signage. Noise from the equipment will be minimal and should not be heard beyond the confines of the property where it will be placed. No increased traffic or hindrance to pedestrian movements will result from the proposed installation either. Furthermore, in connection with its FCC license, Verizon Wireless is prohibited from interfering with radio or television transmissions.
 - d) *Surrounding topography and prominence of proposed facility:* The building is the tallest in the area and can connect directly to 51 McGrath Highway. This is why it is an ideal location for the microwave dish. The proposed dish is visible from several vantage points, particularly from the east side of the building. The dish will be painted to match the penthouse.
 - e) *Surrounding tree cover and foliage:* The building upon which the proposed dish will sit is taller than all trees in the surrounding area and therefore no interference is anticipated with regard to the projection required for the dish.
 - f) *Design of tower, with particular reference to design characteristics that have the effect of reducing or eliminating visual obtrusiveness, as specified in Section 14.3:* The dish will be mounted not more than 10' above the existing penthouse and painted to match. Ideally, the installation at 51 McGrath Highway would be independent to this wireless facility. Planning Staff have reviewed all options with the Applicant to get 51 McGrath Highway operational and this is the least intrusive response. Planning Staff prefers the original proposal to ground the station at 51 McGrath underground but understands that this is not possible due to existing infrastructure and property ownership fronting the existing building.
 - g) *Location of tower, with particular reference to the existence of more suitable locations, as specified in Section 14.3:* The application is in compliance with this review criterion. The Applicant is proposing to locate the dish on an existing wireless telecommunications facility.
 - h) *Proposed ingress and egress:* There is existing access to the roof and equipment on the roof via a penthouse. The building is accessible via Webster Avenue.
 - i) *Distance from existing facilities:* Verizon Wireless operates at several other facilities in Somerville. The added equipment on an existing facility is better than installing a new base station.
 - j) *Availability of suitable existing towers, poles, other structures, or alternative technologies, as discussed in Section 14.5.2: Section 14.5.2 states that no new sites for telecommunications facilities shall be permitted unless the Applicant demonstrates that existing sites cannot meet the Applicant's need:* The site where the Applicant is proposing to install a microwave dish is currently operating as a wireless telecommunications facility.
3. Consistency with Purposes: *The Applicant has to ensure that the project "is consistent with (1) the general purposes of this Ordinance as set forth in Article 1, and (2) the purposes, provisions, and specific objectives applicable to the requested special permit which may be set forth elsewhere in this Ordinance, such as, but not limited to, those purposes at the beginning of the various Articles."*

The Staff finds that the proposal, as conditioned, is consistent with the general purposes of the Ordinance as set forth under §1.2, which includes, but is not limited to promoting “the health, safety, and welfare of the inhabitants of the City of Somerville; to secure safety from fire, panic and other dangers to encourage the most appropriate use of land throughout the City; and to preserve and increase the amenities of the municipality.”

The proposal is consistent with the purpose of the district, which is, “To establish and preserve areas for small-scale retail stores, services, and offices which are located in close proximity to residential areas and which do not have undesirable impacts on the surrounding neighborhoods.”

Furthermore, the Staff finds that the proposal, is consistent with the purposes set forth in Article 14 of the Zoning Ordinance as conditioned in this report, to:

- a) *Protect residential areas and land uses from potential adverse impacts of towers and antennas;*
- b) *Encourage the location of telecommunications facilities in non-residential areas;*
- c) *Minimize the total number of towers and antennas throughout the community;*
- d) *Strongly encourage the joint use of new and existing tower sites as a primary option rather than construction of additional single-use towers;*
- e) *Encourage users of towers and antennas to locate them in areas where the adverse impact on the community is minimal;*
- f) *Encourage users of towers and antennas to configure them in ways that minimize the adverse visual impact of the towers and antennas through careful design, siting, landscape screening, and innovative camouflaging techniques;*
- g) *Enhance the ability of the providers of telecommunications services to provide such services to the community quickly, effectively, and efficiently;*
- h) *Consider the public health and safety of communications facilities; and*
- i) *Avoid potential damage to adjacent properties from tower and antenna failure through sound engineering and careful siting of structures.*

4. Site and Area Compatibility: *The Applicant has to ensure that the project "(i)s designed in a manner that is compatible with the characteristics of the built and unbuilt surrounding area, including land uses."*

The surrounding neighborhood is a mix of uses and structures in the heart of Union Square.

The Staff finds the proposed dish and installation to be compatible with the surrounding area and the appearance of other antennas on the roof. The dish, as conditioned, will be painted to match the penthouse. Staff finds this an exceptional condition, to connect and ground another wireless station. Microwave dishes are not a preferred method of installation but are the only way to make the installation at 51 McGrath Highway operational.

5. Adverse environmental impacts: *The proposed use, structure or activity will not constitute an adverse impact on the surrounding area resulting from: 1) excessive noise, level of illumination, glare, dust, smoke, or vibration which are higher than levels now experienced from uses permitted in the surrounding area; 2) emission of noxious or hazardous materials or substances; 3) pollution of water ways or ground water; or 4) transmission of signals that interfere with radio or television reception.*

The proposed installation will not generate any glare, light, smoke, dust, or vibrations nor will it emit any noxious or hazardous materials or substances. Noise from the equipment will be minimal and should not be heard beyond the confines of the property where it will be placed. The proposed installation will be located on an existing building and therefore no pollution of waterways or ground water will occur. Additionally, the proposed installation will not be tied into any public sewer or private wastewater disposal system. In connection with its FCC license, Verizon Wireless is prohibited from interfering with radio or television transmissions.

6. Housing Impact: *Will not create adverse impacts on the stock of existing affordable housing.*

There will be no changes to existing affordable housing.

7. SomerVision Plan: *Complies with the applicable goals, policies and actions of the SomerVision plan, including the following, as appropriate: Preserve and enhance the character of Somerville's neighborhoods, transform key opportunity areas, preserve and expand an integrated, balanced mix of safe, affordable and environmentally sound rental and homeownership units for households of all sizes and types from diverse social and economic groups; and, make Somerville a regional employment center with a mix of diverse and high-quality jobs. The areas in the SomerVision map that are designated as enhance and transform should most significantly contribute towards the SomerVision goals that are outlined in the table below. The areas marked as conserve are not expected to greatly increase the figures in the table since these areas are not intended for large scale change.*

This project does not contribute to the goals and policies of SomerVision, however, wireless communication is a 'need' of many at this point in time.

III. RECOMMENDATION

Special Permit under §7.11.15.3 & §14

Based on the materials submitted by the Applicant, the above findings and subject to the following conditions, the Planning Staff recommends **CONDITIONAL APPROVAL** of the requested **SPECIAL PERMIT**.

The recommendation is based upon a technical analysis by Planning Staff of the application material based upon the required findings of the Somerville Zoning Ordinance, and is based only upon information submitted prior to the public hearing. This report may be revised or updated with new recommendations, findings and/or conditions based upon additional information provided to the Planning Staff during the public hearing process.

#	Condition	Timeframe for Compliance	Verified (initial)	Notes								
1	<p>Approval is for the installation of a microwave dish on an existing wireless communications facility under SZO §7.11.15.3 and SZO §14. This approval is based upon the following application materials and the plans submitted by the Applicant:</p> <table border="1" data-bbox="248 443 885 821"> <thead> <tr> <th data-bbox="248 443 565 474">Date (Stamp Date)</th> <th data-bbox="565 443 885 474">Submission</th> </tr> </thead> <tbody> <tr> <td data-bbox="248 474 565 573">August 14, 2014</td> <td data-bbox="565 474 885 573">Initial application, submitted to the City Clerk's Office</td> </tr> <tr> <td data-bbox="248 573 565 636">(October 7, 2014)</td> <td data-bbox="565 573 885 636">Photo simulations submitted with application</td> </tr> <tr> <td data-bbox="248 636 565 821">August 13, 2014</td> <td data-bbox="565 636 885 821">Plans (Title Page, Abutters Plan, Proposed Roof Plan, Proposed North & South Elev, Proposed West Elev, Proposed East Elev, Construction Details)</td> </tr> </tbody> </table> <p>Any changes to the approved site plan, photograph simulations, and/or elevations that are not <i>de minimis</i> must receive SPGA approval.</p>	Date (Stamp Date)	Submission	August 14, 2014	Initial application, submitted to the City Clerk's Office	(October 7, 2014)	Photo simulations submitted with application	August 13, 2014	Plans (Title Page, Abutters Plan, Proposed Roof Plan, Proposed North & South Elev, Proposed West Elev, Proposed East Elev, Construction Details)	BP	Plng.	
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2	The dish shall be painted to match the penthouse.	CO	Plng.									
3	<p><i>Compliance with Noise Control Ordinance.</i> Prior to the issuance of a Certificate of Use and Occupancy Permit for the installation of the wireless telecommunications facility, the Applicant shall submit to the Inspectional Services Department, with a copy to the Zoning Board of Appeals, a sound level measurement certified as accurate by a professional acoustician and shall perform such sound level measurements six months after issuance of the certificate of occupancy, with subsequent sound level measurements annually on or before the anniversary date of the original six month measurement to document that all of the Applicant's installed equipment complies and continues to comply with the decibel level standards established by the City of Somerville, Noise Control Ordinance.</p>	Continued	ISD									
4	<p><i>Compliance with Federal Communications Commission Guidelines for Human Exposure to Electromagnetic Fields.</i> To ensure compliance with the standards established by the Federal Communications Commission Office of Engineering and Technology ("FCC") in OET Bulletin 65 as adopted by Massachusetts Department of Public Health under 105 CMR 122.021, the Applicant shall perform measurements, within two (2) months of the date that the Applicant's wireless telecommunications facility commences operation and at intervals of twelve (12) months thereafter, to establish that the Applicant's wireless telecommunications facility complies and continues to comply with the FCC guidelines and applicable state regulations for human exposure to radio frequency electromagnetic fields for human exposure to radio frequency electromagnetic fields. The Applicant shall provide the results of such measurements with certification of compliance to the City of Somerville, Health Department, with a copy to the Zoning Board of Appeals.</p>	Continued	BOH									

5	Any antenna that is not operated continuously for a period of twelve (12) months shall be considered abandoned, and the owner of such antenna shall remove the same within ninety (90) days of notice from the City of Somerville informing the owner of such abandonment.	Continued	ISD	
6	The applicant shall remove any of that carrier's unused or non-operating wireless equipment prior to installation.	BP	Plng.	
7	The Applicant shall at his expense replace any existing equipment (including, but not limited to street sign poles, signs, traffic signal poles, traffic signal equipment, wheel chair ramps, granite curbing, etc) and the entire sidewalk immediately abutting the subject property if damaged as a result of construction activity. All new sidewalks and driveways must be constructed to DPW standard.	Final inspection	DPW	
8	All construction materials and equipment must be stored onsite. If occupancy of the street layout is required, such occupancy must be in conformance with the requirements of the Manual on Uniform Traffic Control Devices and the prior approval of the Traffic and Parking Department must be obtained.	During Construction	T&P	
9	The Applicant shall contact Planning Staff at least five working days in advance of a request for a final inspection by Inspectional Services to ensure the proposal was constructed in accordance with the plans and information submitted and the conditions attached to this approval.	Final sign off	Plng.	

