

TOWN OF FALMOUTH, MAINE

REQUEST FOR CONDITIONAL REZONING APPROVAL
TO INCREASE THE HEIGHT
OF AN EXISTING
TIER II PERSONAL WIRELESS SERVICE FACILITY
LOCATED AT
356 US RTE 1, FALMOUTH, ME

PROPOSAL BY
AT&T MOBILITY

EXHIBIT #2

PROJECT NARRATIVE

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In order to meet the radio frequency coverage objectives in the Town of Falmouth, *AT&T Mobility* submits this proposal for a Conditional Rezoning of an existing Personal Wireless Service structure located at 356 US Rte. 1, Falmouth, Maine.

There are significant gaps in coverage along Rte. 1, Falmouth Foreside, and Rte. 295 in Falmouth. As evidenced in **Exhibit 6**, Applicant shows that a possible alternate existing facility on the Woods Road would not provide sufficient coverage for the area. Also, **Exhibit 7** shows that installing another Tier II Personal Wireless Service Facility adjacent to the existing compound would present radio frequency interference problems and would not improve coverage gaps.

The practical alternative for increasing the coverage in this area is to increase the height of the existing Personal Wireless Service Facility from 90' to 100'. However, doing so requires a Conditional Rezoning of the current Tier II Facility. The Tier II Facility was approved by the Falmouth Planning Board on September 5, 2006. This facility is a 60' by 60' fenced compound which consists of telecommunications equipment being used by two personal wireless service carriers, *Sprint*® and *T-Mobile*®. These existing carrier's antennas are mounted at the 77.5' and 87.5' level of the monopole. The only space available on the existing structure is at the 67' level, and at this height the coverage objectives cannot be met as evidenced by the drive test coverage maps. (See **Exhibit 9**). However, the significant gaps in coverage at the 67' height would be substantially eliminated at the proposed 97' height. (See **Exhibit 10**).

Applicant is proposing this Conditional Rezoning for a height extension to the existing Tier II Personal Wireless Service Facility. This Conditional Rezoning is required, because under the Town of Falmouth's Personal Wireless Service Facility Siting Ordinance, the current structure reaches the maximum height allowed as a Tier II Facility. Applicant's proposal includes increasing the height of the structure from 90' to 100'. This increase will allow *AT&T Mobility* to mount three antennas at the 97' level to substantially increase coverage in the area.

Applicant *AT&T Mobility*'s proposal consists of five (5) elements: 1) a 10' extension to be added to the existing 90' monopole; 2) wireless telecommunication antenna panels; 3) radio electronics equipment installed in a pre-fabricated 12' by 20' equipment shelter; 4) diesel generator; and 5) coaxial cables running from the equipment shelter to the antennas. These elements are described briefly below.

10' Extension. The 10' extension added to the existing 90' monopole is required in order to mount antennas at the 97' level. See *Plans/Structural, Exhibit 18*.

Antennas. Three (3) panel type antennas would be mounted at the 97' level of the existing monopole. Each panel antenna is approximately 55 inches in height, 11" wide and 5" deep and has a non-reflective fiberglass cover. See *Antenna Specifications, Exhibit 12*.

Equipment Shelter. The proposed equipment shelter will be installed on a concrete pad near the base of the existing structure, and will be designed to house the facility's power and transmission equipment. The Shelter will measure 12' by 20' and is approximately 10 feet tall. See *Shelter Specifications, Exhibit 11*.

As the facility is unmanned and not designed for occupancy, there will be no need for potable water, sewer or waste disposal services.

Diesel Generator. A 50KW 60 Hz Diesel Generator will be located on a 4' by 11' concrete pad. This concrete pad will be placed 3' from the proposed AT&T Mobility Equipment Shelter. See *Diesel Generator Specifications, Exhibit 13*.

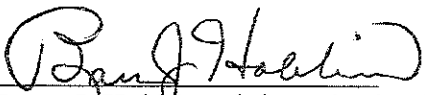
Cables. The antennas will be connected to the equipment shelter by coaxial cables (approximately 7/8" in diameter) that will run down the existing monopole to connect the antennas to the radio transmitters and receivers in the equipment shelter. See *Plans/Structural, Exhibit 18*.

Prior to construction, AT&T Mobility will, if required, comply with the regulations of the Federal Aviation Administration ("FAA"). It is highly unlikely that the FAA will require any obstruction marking or lighting since the top of the antennas will be less than 200 feet high.

The Wireless Facility will produce minimal noise from a small fan to cool the power equipment in the equipment shelter, and would be similar to the sounds made by a small residential room air conditioner. The Facility will not produce any other noise, or any dirt, dust, glare, odor, fumes, smoke, gas, sewage, refuse, vibration or danger of explosion or fire and will therefore not be detrimental or offensive to the neighborhood; nor will the Facilities pose any hazard to health or safety.

Once installed, the Facility will be unmanned. Thus, other than periodic inspections and maintenance, the Applicant anticipates that the Facility will generate no vehicular or pedestrian traffic. The Applicant currently estimates that routine maintenance inspections will be conducted not more frequently than one or twice a week.

As originally proposed, the Tier III Personal Wireless Facility will comply in all respects with all federal, state and local regulations concerning radio frequency emissions.


Barry J. Hobbins, duly authorized
Agent for AT&T Mobility