Kristen Domurad-Guichard

From: Mark Hald
Sent: Tuesday, September 17, 2013 4:43 PM
To: Planning Department
Subject: FW: proposed cell tower at Craig Road
Attachments: Cellular Craig Road.pdf

I apologize for my delayed response. The proposed Craig Road cell site is still relevant to Acton public safety communications. Updates to my attached memo from 2010:

- Second bullet, "approximately six antennas" should be "up to six, but likely three antennas." These are approximately 20-foot tall omnidirectional antennas; the exact style may be seen at the top of the Public Safety Facility tower.
- Third bullet, where I intended to say space within the "communication structure at the tower's base."
- Fifth bullet, fiber optics may be able to connect much closer to ActonTV facility, also located on Craig Road. If not, we may need to use microwave communication, which would require a small dish on the tower.

Regards,
Mark

From: Mark Hald <mhald@acton-ma.gov>
Date: Friday, January 29, 2010 3:58 PM
To: Roland Bartl <rbartl@acton-ma.gov>
Cc: Steve Ledoux <sledoux@acton-ma.gov>, Frank Widmayer <fwidmayer@acton-ma.gov>, Robert Craig <rcraig@acton-ma.gov>, Kim Gorman <kgorman@acton-ma.gov>
Subject: RE: proposed cell tower at Craig Road

Please see attached. Thank you.

Town of Acton

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Information Technology

January 25, 2010

To: Roland Bartl, Planning Director
From: Mark Hald, Information Technology Director
CC: Steve Ledoux, Town Manager; Frank Widmayer, Police Chief; Robert Craig, Fire Chief
Subject: Special Permit for Wireless Communications Facility, 5-7 Craig Road

Roland:

Thank you for the opportunity to comment on the proposed wireless communications facility.

South and East Acton are among the areas of Town where public safety radio communications are of notably lesser quality than other parts of Town, particularly when using portable radios. A municipal radio repeater site on Craig Road would enhance the quality of communications for large sections of Town.

To create such a site within this facility, we would need:

- The monopole constructed as an exposed-antenna system. Should the monopole be a concealed-antenna ("stealth") system, the municipal antennas would still need to be installed on the exterior. This is based upon experience with the Great Hill towers: Our antennas that were installed in the stealth monopole failed to function and were abandoned. We now have a presence on the adjacent lattice tower.
- Antenna space located as high as possible for approximately six antennas.
- Space within the tower to hold two floor-mounted, steel communication cabinets 24" x 24" each.
- 24 hour per day access to the structure.
- 6 strand fiber optic cabling to the Town's nearest I-Net site (River Street sewer pump station, approximately 1.5 miles).
- Connection to primary power, preferably with generator backup.

Thank you.

Mark