



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.