

STATEMENT OF JUSTIFICATION

Description of Prior Approvals (optional):

FS-M02-17 was approved on June 13, 2000 and allowed Theta Iota Wireless nine (9) panel antennas on a 190' monopole and five (5) equipment cabinets. Antenna dimensions were allowed up to six (6) feet by six (6) to ten (10) inches wide. The maximum size of the approved antennas total 6,480 square inches.

2232-M-99-6 was approved on November 17, 1999, and allowed construction of the 190 foot tall monopole with space allocated for 3 carriers.

Description of Proposed Use:

A Theta Iota Wireless facility is on-site and operational, utilizing six (6) antennas mounted in three (3) sectors with a RAD center of one hundred thirty point three (130.3) feet on an existing one hundred ninety four (190) foot tall monopole. Theta Iota Wireless's three (2) equipment cabinets are located within an existing compound on the eastern side of the monopole.

Theta Iota Wireless proposes the following minor modifications to the existing site:

- 1) The removal of six (6) existing antennas
- 2) The installation of three (3) new panel antennas
- 3) The installation of one (1) equipment cabinet

ANTENNAS: All three sectors currently consist of two (2) antennas for a total of six (6) antennas. See page A-4, "Antenna Elevations (Before)" of the drawings submitted with this application.

Theta Iota Wireless proposes to remove all of the existing antennas and install a total of three (3) panel antennas as shown on the "Antenna Elevations (After)" on Page A-4 of the attached drawings. The dimensions of the new antennas (model number APXYSPP18-C-A20) are 72" T x 11.8" W x 7" deep. See "Antenna Specs, and the RRH unit specifications on page A-6 of the drawings. The dish dimensions are found on page A-5.

The three (3) proposed panel antennas total 2548.8 square inches, which is well below the 6,480 square inches approved in FS-M01-17.

Diecasted Aluminum antennas will be painted steel gray.

CABINETS: There are currently two (2) Theta Iota Wireless equipment cabinets inside a fenced compound. See page A-1 of the drawings. A 60ECv2 cabinet will be installed on an existing concrete pad site. The cabinet dimensions, 60" tall by 30" deep by 31" wide, are shown on page A-5.

The proposal is to augment an unmanned facility which is operational 24 hours per day, 7 days per week throughout the year. The site is normally visited during regular business hours by a technician once every 6 - 8 weeks to perform regular maintenance. This site is necessary to provide improved voice and data coverage to the surrounding area. The proposed site will provide enhanced high speed 4G internet coverage and obviate the need for an additional site nearby.

Steel cabinets will be painted steel gray.

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Requirements for Proposed Use:

This site was selected because the following:

- Existing monopole provides sufficient space for antennas to provide better coverage to users within the area
- Upgraded facility will be the least disruptive to the community, in accordance with the Fairfax County Comprehensive Plan.

See coverage map for detailed service area

Anticipated Impacts

As this is an unmanned facility, the site will not generate excessive traffic; will not cause any noise, air, light or water pollution. No noise, lights, dust or vibrations will be generated. There will be no environmental concerns as the radio frequency emissions will be within applicable Federal Communications Commission (FCC) guidelines. No lighting is proposed.

As indicated on the enclosed photo-simulations, the visual impact to adjoining properties will not be significantly altered by the new antennas.

Alternative Sites Considered

As Theta Iota Wireless is making use of an existing facility on a structure, it was not necessary to eliminate other existing structures. The extent of the proposal should be found to be in substantial accord with the Plan as well.

Property Identification Maps

See enclosed Fairfax County Tax Map.

Proposed Facility Plan

See enclosed attached drawings

Reduced Copy of Plans

3 copies of 8-1/2" x 11" are enclosed

Other Information

Additional information enclosed includes:

1. Antenna and Cabinet engineering specification sheets
2. Photo simulations of cabinet installation, landscaping and buffer surrounding facility, and antenna locations on monopole

Theta Iota Wireless respectfully submits to the Planning Commission that the proposed facility is consistent with the Comprehensive Plan as to character, location and extent, and requests that the Planning Commission determine that the facility is a feature shown of the Comprehensive Plan.

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If you have any further questions or comments concerning this application, please feel free to contact me at 540-231-0000, or via email at: callis@pyramid.com. I thank you in advance for your kind courtesies and attention with respect to this application.