

## ATTACHMENT 2

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### GENERAL FACILITY DESCRIPTION

2 Arbor Crossing

(With Access Partially over 4 Arbor Crossing)

East Lyme, Connecticut

Owner: Orchards at East Lyme, Inc.

5.21 Acre Parcel

The proposed tower location is on an approximately 5.21 acre parcel with an address of 2 Arbor Crossing ("Parcel"). The Parcel is owned by the Orchards at East Lyme and is improved with a residential community common building with a recreational pool. The site currently hosts an existing facility which is scheduled to be decommissioned and removed.

The proposed facility consists of a 105-foot tall faux silo and a 35-foot by 50-foot equipment building in the style of a barn situated within a 44-foot by 58-foot area. AT&T would install up to twelve (12) panel antennas internal to the silo. The equipment building and silo will be designed to accommodate other carriers. Vehicular access to the facility will be provided from Arbor Crossing over a small paved apron and thereafter over a 12-foot gravel access drive over two properties (2 and 4 Arbor Crossing) a distance of approximately 375 feet to the silo/barn facility.

**SITE AND FACILITY DESCRIPTION**

**I. LOCATION**

- A. COORDINATES: 41° 21' 58.6" N 72° 14' 32.47" W
- B. GROUND ELEVATION: 335.5'± AMSL
- C. USGS MAP: USGS 7.5 Quadrangle for Niantic, CT
- D. SITE ADDRESS: 2 ARBOR CROSSING, East Lyme, CT 06333
- E. ZONING WITHIN ¼ MILE OF SITE: Abutting areas are zoned residential (RU-40).

**II. DESCRIPTION**

- A. SITE SIZE: 5.21 acres
- B. LEASE AREA: 100 X 100 FEET
- C. TOWER TYPE/HEIGHT: 105' AGL SILO FACILITY
- D. SITE TOPOGRAPHY AND SURFACE: Proposed facility is located on a sloped lot including an existing wireless facility and recreational/common building and amenities for homeowners association.
- E. SURROUNDING TERRAIN, VEGETATION, WETLANDS, OR WATER: There are no on-site wetlands.
- F. LAND USE WITHIN ¼ MILE OF SITE: Single family residential.

### III. FACILITIES

A. POWER COMPANY: Connecticut Light and Power

B. POWER PROXIMITY TO SITE: 375'±

C. TELEPHONE COMPANY: Frontier

D. PHONE SERVICE PROXIMITY: 375'±

E. VEHICLE ACCESS TO SITE: Proposed access to the site will be from 4 Arbor Crossing over a shared access drive then to a proposed gate and gravel access drive extension to the tower compound.

F. OBSTRUCTION: None known at this time.

G. AREA OF DISTURBANCE: Some clearing will be required. Grading will be needed to develop the tower site and access drive given the sloped terrain.

### IV. LEGAL

A. PURCHASE [ ] LEASE [X]

B. OWNER: ORCHARDS AT EAST LYME INC.

C. ADDRESS: C/O VISION MANAGEMENT

PO Box 55071 #16230

BOSTON, MA 02205

**FACILITIES AND EQUIPMENT SPECIFICATION**

I. TOWER SPECIFICATIONS:

- A. MANUFACTURER: To be determined
- B. TYPE: Self-Supporting Within Concealment Silo
- C. HEIGHT: 105' AGL  
DIMENSIONS: Approximately 25' in diameter with domed top.
- D. FAA TOWER LIGHTING: None required per TOWAIR.

II. TOWER LOADING:

- A. AT&T - up to 12 panel antennas
  - a. Model - CCI HPA-65R-BUU-H8 or equivalent panel antenna
  - b. Antenna Dimensions - approximately 92.4"H x 14.8"W x 7.4"D
  - c. Position on Tower - 95' centerline AGL
  - d. Transmission Lines - MFG/Model: Rosenberger WR-VG86ST-BRD (DC) (0.795") & Rosenberger FB-L98B-034 (fiber)(10 mm)
  - e. Remote Radio Heads & Surge Arrestor
- B. Future Carriers: T-Mobile and other future wireless carriers to be determined.

III. ENGINEERING ANALYSIS AND CERTIFICATION:

The tower will be designed in accordance with American National Standards Institute TIA/EIA-222-G "Structural Standards for Steel Antenna Towers and Antenna Support Structures" and the 2003 International Building Code with 2005 Connecticut Amendment. The final foundation

design would be based on soil conditions at the site. The details of the tower and foundation design will be provided as part of any final Siting Council Development & Management Plan.