

STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

IN RE:

APPLICATION OF SECTORSITE AND T-MOBILE  
NORTHEAST, LLC FOR A CERTIFICATE OF  
ENVIRONMENTAL COMPATIBILITY AND  
PUBLIC NEED FOR THE CONSTRUCTION,  
MAINTENANCE, AND OPERATION OF A  
TELECOMMUNICATIONS FACILITY ON TOWN-  
OWNED PROPERTY BEHIND THE SOUTHWEST  
FIRE STATION LOCATED AT 2 WESTWOODS  
DRIVE, FARMINGTON, CONNECTICUT

DOCKET NO. 480

February 14, 2018

**SUPPLEMENTAL INFORMATION OF  
SECTORSITE AND T-MOBILE**

SectorSite and T-Mobile (together the “Applicants”), submit the following supplemental information to the State of Connecticut Siting Council in the captioned proceeding:

**Additional Information Regarding Interrogatory Response No. 12**

As noted in the response to interrogatory no. 12, the Applicants contacted the Town of Farmington (the “Town”) to determine whether the proposed site encumbers any land purchase by the Connecticut Department of Agriculture as part of their Farmland Preservation Program. The Town advised that the subject site is not part of any purchase by the Connecticut Department of Agriculture in furtherance of their Farmland Preservation Program.

**Additional Details Regarding the FAA Required Flood Lighting**

Please find attached a sketch depicting the flood lighting of the proposed flagpole facility in compliance with the FAA’s Determination of No Hazard to Air Navigation (see Attachment 2 of the Applicants’ Responses to Siting Council Interrogatories dated February 8, 2018). The proposed lights will be mounted at a height of 10 feet to prevent damage to the lights and avoid snow cover. The light fixtures include shields to prevent light spill over.

Also attached is a visual assessment of the proposed flood lighting, which concludes that the flood lighting will not result in adverse visual impacts.

CERTIFICATE OF SERVICE

I hereby certify that on this day, an original and fifteen (15) copies of the foregoing was sent electronically and sent via overnight mail to the Connecticut Siting Council.

Dated: February 14, 2018

A handwritten signature in cursive script, appearing to read "Lucia Chiochio".

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Lucia Chiochio

cc: Town of Farmington  
SectorSite  
T-Mobile  
Hudson Design Group, LLC  
Centerline Communications  
EBI  
APT

CHECKED BY: DJR

APPROVED BY: DPH

**SUBMITTALS**

REV.	DATE	DESCRIPTION	BY
0	02/14/18	ISSUED FOR REVIEW	JS

SITE NAME:  
**FARMINGTON**  
**SOUTHWEST FIRE DEPT.**

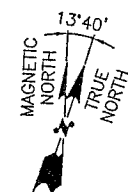
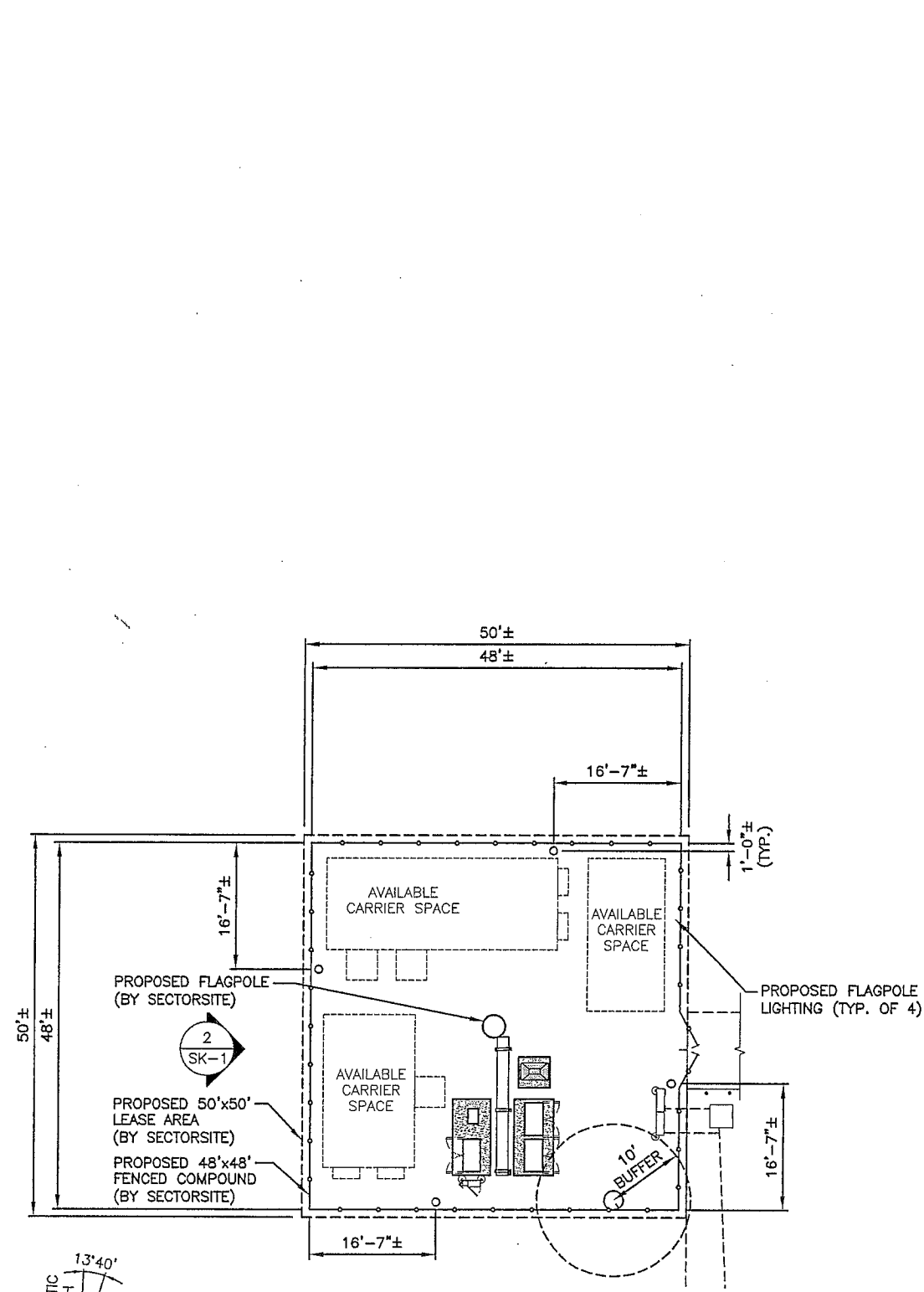
SITE NUMBER:  
**CT-119**

T-MOBILE SITE ID: CTHA112A

SITE ADDRESS:  
2 WESTWOODS DRIVE  
FARMINGTON, CT 06032

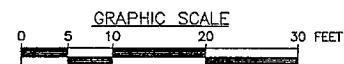
SHEET TITLE  
**FLAGPOLE LIGHTING**  
**PLAN AND ELEVATION**

SHEET NUMBER  
**SK-1**

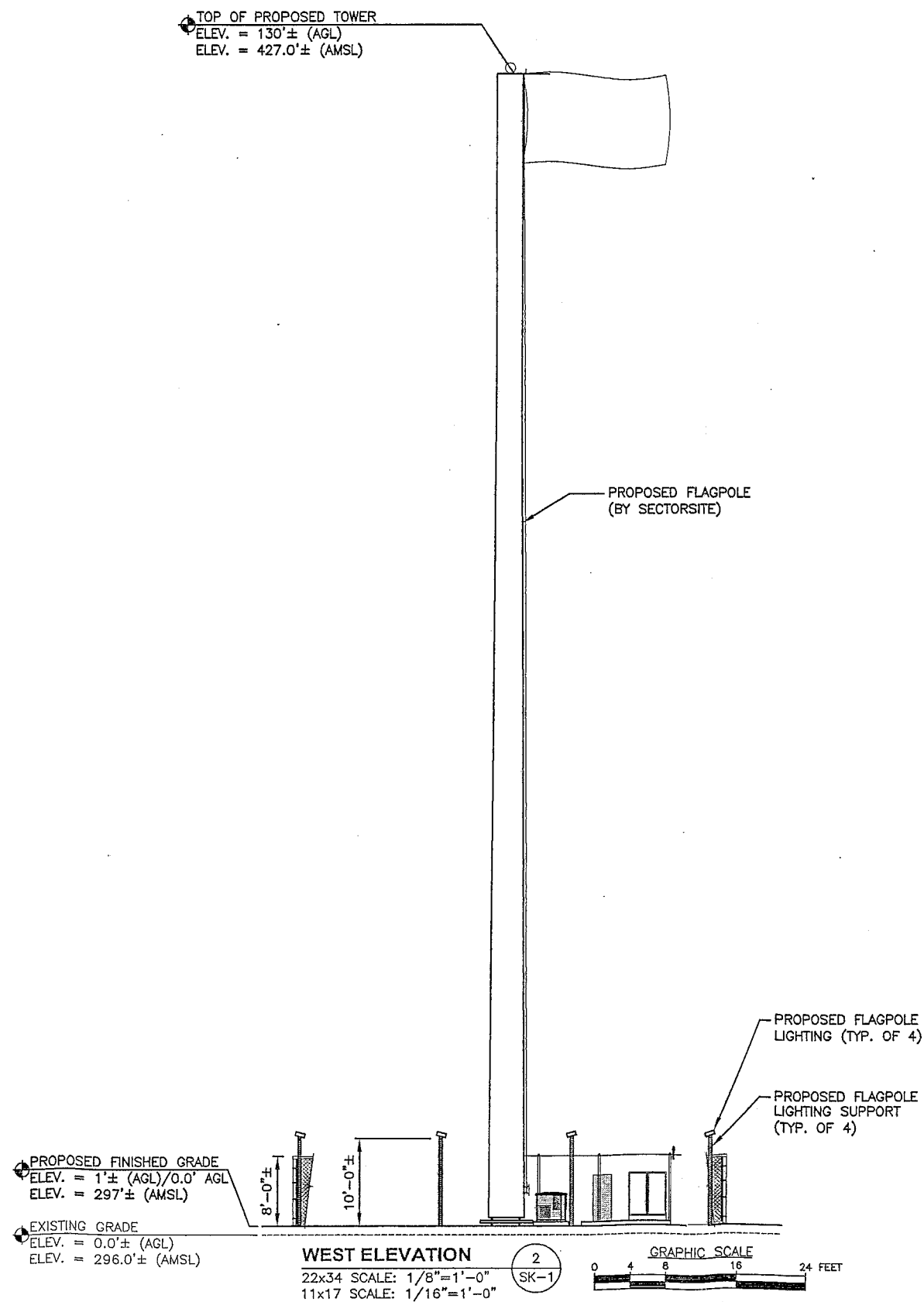


**COMPOUND PLAN**  
22x34 SCALE: 1"=10'-0"  
11x17 SCALE: 1"=20'-0"

1 SK-1



TOP OF PROPOSED TOWER  
ELEV. = 130'± (AGL)  
ELEV. = 427.0'± (AMSL)





SectorSite, LLC  
PO Box 255  
Mendham, NJ 07945

February 14, 2018

Re: Visual Impact of proposed lighting of Stealth Flagpole CT-119

At the request of the Connecticut Siting Council and SectorSite, LLC, Virtual Site Simulations, LLC (VSS) was asked to assess the visual impact of proposed lighting plan for proposed CT-119, 130 ft AGL Stealth Flagpole type telecommunications tower to be located at the Southwest Fire Station, 2 Westwoods Drive, Farmington, CT.

The proposed lighting plan as required by the FAA Determination response 2017-ANE-3746-OE dated 01/25/2018 is detailed in Hudson Design sketch SK-1 Flagpole Lighting Plan and Elevation dated 1/14/18. It will consist of 4 shielded Hydrel TPS3-15COB Narrow Flood Light with FGS Full Glare Shields mounted to +/- 10ft AGL light poles located roughly 1 ft inside proposed compound perimeter fencing. These lights will be directed at the upper 1/3rd of the proposed tower. The light shields are designed to direct the light upwards and specifically not light the lower section of the tower and compound surrounding the proposed facility. Proposed lighting will include photosensors to allow for lamps to be turned on only during nighttime hours.

The visual impact of such lighting can be characterized into two types of impact. 1. Ray Casting Impact and Esthetic Impact.

1. Ray Casting Impact— Ray casting for the purposes of this discussion would be defined as any light created by the proposed lighting plan that would be cast upon surrounding structures and areas that would cause them to be illuminated. In this case, the proposed lighting is from +/- 10 Ft above ground level and is designed to light only the upper 1/3<sup>rd</sup> of the tower. The proposed lights are shrouded to shield the source of the light from the ground. This design will eliminate the possibility of direct ray casting on any surrounding structures. There is the potential for some indirect/reflected light from the structure to illuminate the area immediately at the base of the structure. Due to the small cross-sectional area of the stealth flagpole the effect is predicted to negligible.
2. Esthetic Impact - The proposed tower will be illuminated from sundown to sunup. Therefore, the proposed tower be more visible during nighttime hours than it would be if it were not illuminated. The visual impact of this added nighttime visibility would be considered a matter of esthetics. While some may consider an illuminated structure of this type to have negative visual impact, others may consider this visually pleasing and a positive impact. Therefore, no clear determination of positive or negative affect on esthetic visual impact can be made. What can be stated is that the proposed lighting plan will not increase areas of predicted visibility detailed in Viewshed Analysis Report previously submitted by VSS.

If you would like further clarification on this issue, I can be reached in the office at 401-229-5882

Thank You

Russ Dasta  
President

