STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

www.ct.gov/csc

VIA ELECTRONIC MAIL

April 9, 2018

Kri Pelletier
Property Specialist
SBA Communications Corporation
134 Flanders Rd., Suite 125
Westborough, MA 01581

RE: **EM-SPRINT-052-180321** - Sprint notice of intent to modify an existing telecommunications facility located at 1 Westerberg Drive, Farmington, Connecticut.

Dear Ms. Pelletier:

The Connecticut Siting Council (Council) is in receipt of your correspondence of April 9, 2018 submitted in response to the Council's April 6, 2018 notification of an incomplete request for exempt modification with regard to the above-referenced matter.

The submission renders the request for exempt modification complete and the Council will process the request in accordance with the Federal Communications Commission 60-day timeframe.

Thank you for your attention and cooperation.

Sincerely,

Melanie A. Bachman
Executive Director

MB/FOC/cg

From: Kri Pelletier [mailto:KPelletier@sbasite.com]
Sent: Monday, April 09, 2018 11:33 AM
To: Galligan, Coleen
Cc: CSC-DL Siting Council
Subject: RE: Incomplete - EM-SPRINT-052-180321 - Westerberg Dr.

Good Morning Coleen,

Please find the passing Mount Assessment, per Council's request, attached.

Thank you,

Kri Pelletier
Prop Spec - Svcs

508.251.0720 x3804 + **T**
508.366.2610 + **F**
203.446.7700 + **C**

ProTerra
DESIGN GROUP, LLC

February 14, 2018

SBA Sprint

SBA Communications Corporation
134 Flanders Road, Suite 125
Westborough, MA 01581

RE: Sprint DO Macro Antenna Mount Assessment

SBA Site ID:	**CT46141-A**
Sprint Cascade #:	**CT33XC579**
Sprint Site Name:	**Water Treatment Plant**
Site Address:	**1 Westerberg Drive**
	Farmington, CT 06032

Mr. Bakis:

ProTerra Design Group, LLC completed the following structural mount and Professional Engineer assessment on behalf of Sprint for the above referenced site. The assessment was inclusive of the antenna level mounting system for the proposed Sprint DO Macro antennas and equipment listed in the Sprint RFDS dated 10-19-2017 and configured as shown in the latest revision of Sprint DO Macro construction drawings by ProTerra Design Group, LLC issued 02-14-2018.

ProTerra Design Group, LLC visually inspected the exterior shroud of the antenna mounting system from ground level on 11-07-2017, reviewed field photographs, and record documentation as provided by the tower owner to determine the suitability of the mounting system based on our experience with similar unipole installations within canister shrouds.

Based upon the information available to us, in our opinion the proposed antenna mounting with custom brackets and stainless steel banding are designed to fit within the existing 27" canister shroud and designed to have **Sufficient Capacity to Support the Proposed Loading** that meets the requirements of the 2016 Connecticut State Building Code, (IBC 2012) with amendments and TIA-222 Rev G. This evaluation does not extend to the existing exterior 27" dia. antenna shroud or its hardware.

All details will be designed and furnished in ProTerra Design Group, LLC's construction drawings.

This determination was based on the following limitations and assumptions:

1. Equipment and locations shall not deviate from the construction drawings without written approval of the engineer.
2. ProTerra Design Group, LLC is not responsible for any modifications completed prior to and hereafter which ProTerra Design Group, LLC was not directly involved.
3. All structural members and their connections are assumed to be in good condition and are free from defects with no deterioration to its member capacities.
4. All antennas, coax cables and waveguide cables are assumed to be properly installed and supported as per the manufacturer requirements.
5. All components supporting the Sprint equipment are assumed to be designed to all applicable codes and designed for loads identical to or larger than the currently proposed loads.
6. Completion of a passing global stability analysis of the tower (by others.)

If you have any questions or need further information, please do not hesitate to call.

Sincerely,
ProTerra Design Group, LLC

Thomas Johnson, PE
Managing Partner

CC: File
Enclosure

STATE OF CONNECTICUT
THOMAS E. JOHNSON
No. 28192
LICENSED
PROFESSIONAL ENGINEER

ProTerra Design Group, LLC
4 Bay Road, Building A, Suite 200
Hadley, MA 01035

Ph:(413) 320-4918
E: info@proterra-design.com

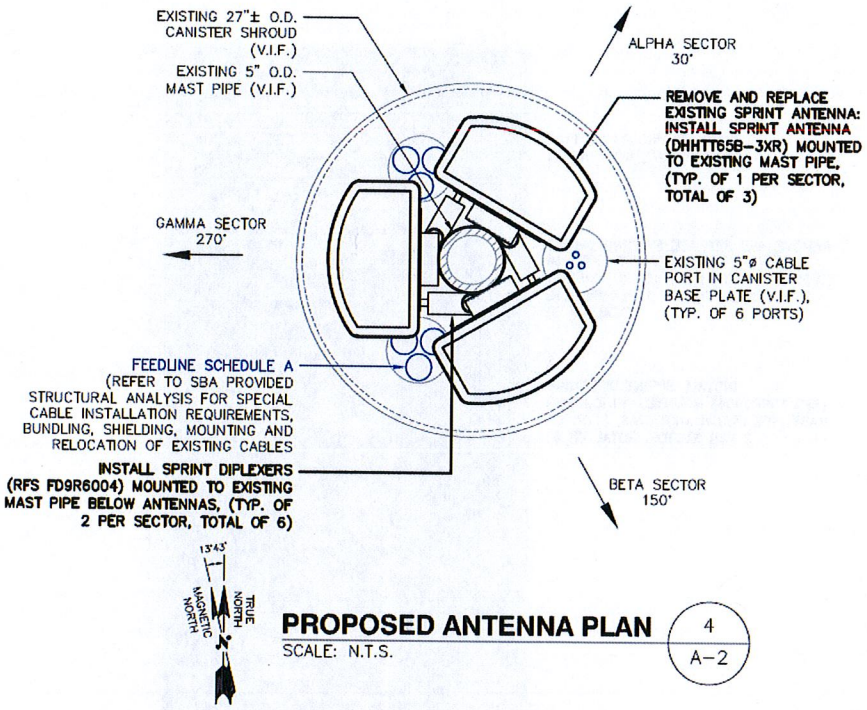


Exhibit A: Excerpt from ProTerra Construction Drawings

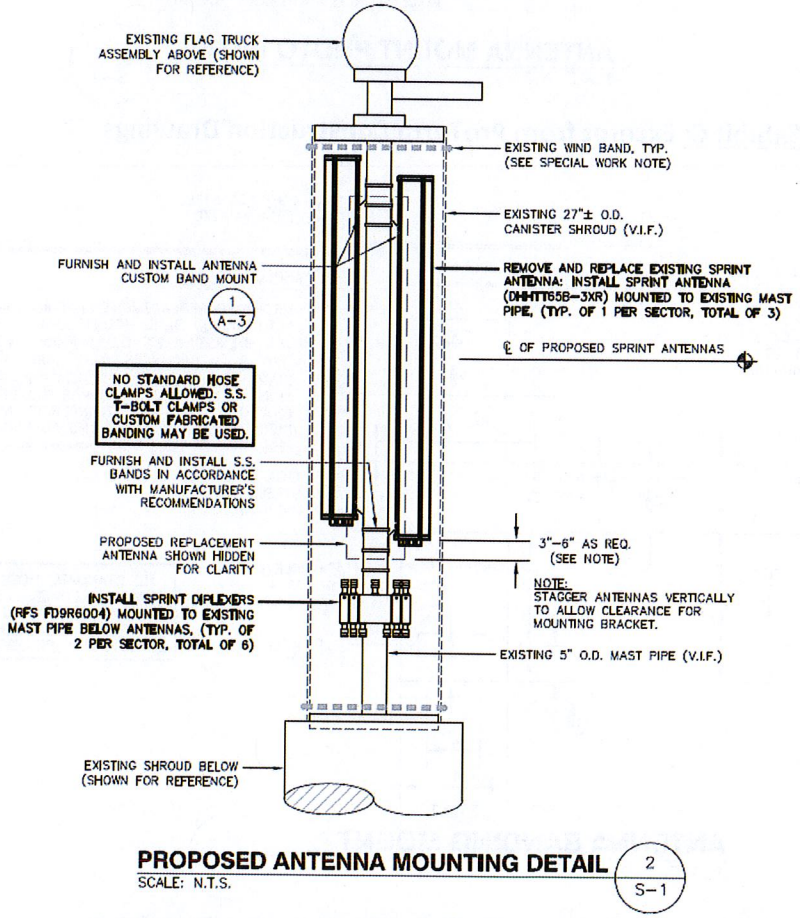


Exhibit B: Excerpt from ProTerra Construction Drawings

ProTerra Design Group, LLC
4 Bay Road, Building A, Suite 200
Hadley, MA 01035

Ph:(413) 320-4918
E: info@proterra-design.com

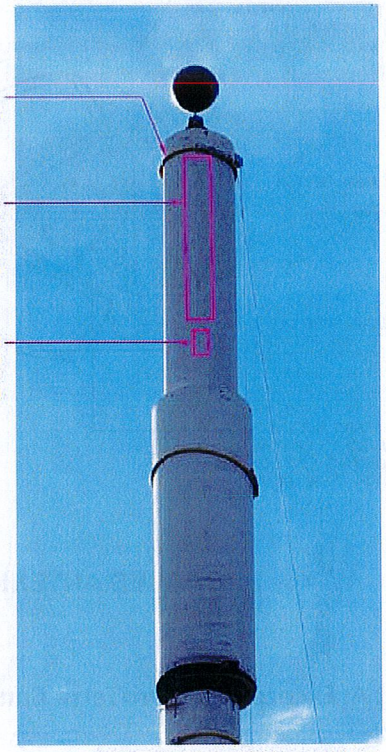
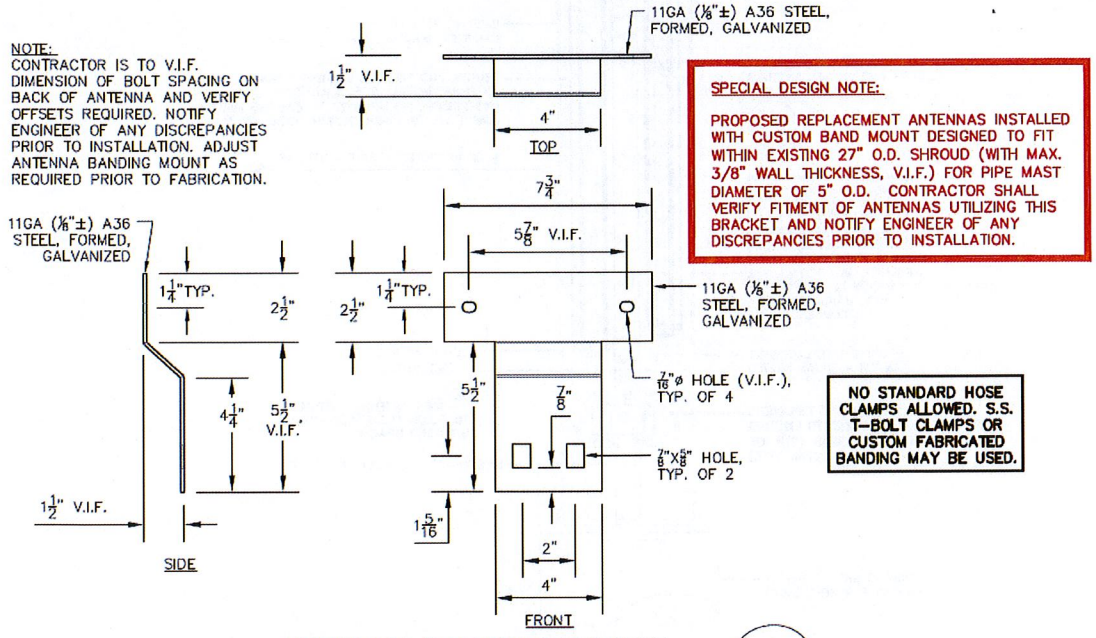


IMAGE SOURCE: PROTERRA 11/07/2017

ANTENNA MOUNT PHOTO DETAIL 3 / S-1

SCALE: N.T.S.

Exhibit C: Excerpt from ProTerra Construction Drawings



ANTENNA BANDING MOUNT 1 / S-1

SCALE:

Exhibit D: Excerpt from ProTerra Construction Drawings

ProTerra Design Group, LLC
4 Bay Road, Building A, Suite 200
Hadley, MA 01035

Ph:(413) 320-4918
E: info@proterra-design.com