

**CLIFTON PARK WATER AUTHORITY  
BOARD MEETING**

**Wednesday, June 16, 2021  
7:00 PM**

**AGENDA**

**Privilege of the Floor**

**Old Business**

- Project to Increase Capacity from SCWA
- SCWA Water Purchase Agreement Renewal
- Project to Investigate Capacity Improvements in Preserve
- Verizon Request for Installation of Telecommunications Tower at Boyack WTP
- Water Main Replacement on Plank Road

**New Business**

- DISH Network Request for Installation of Telecommunications Equipment on Knolltop Water Storage Tank
- Verizon Request for Equipment Modification at Knolltop Water Storage Tank

**Other Business**

- Approve Minutes of May 13, 2021 Meeting

## Don Austin

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**From:** Kortz, Chad <c.kortz@ctmale.com>  
**Sent:** Wednesday, June 16, 2021 10:37 AM  
**To:** Don Austin  
**Cc:** Gordon, Jake  
**Subject:** RE: SCWA Project

Hi Don.

Yes, I found out Monday that the delivery is delayed. I have asked Keller for an updated schedule, but they told me that it looks like mid-July at the earliest. EFI has indicated they have continued to have supply chain issues, but the pump station is nearly complete. The next delivery hold-up is the delivery. They are having a very hard time finding an available driver to get it here.

I also reminded Keller that we need a letter requesting a contract extension if they want one.

Stilsing and Keller have several weeks of connections and then startup so mid-to-late August is currently the best case scenario for having it up and running.

- Chad

**From:** Don Austin <daustin@cpwa.org>  
**Sent:** Tuesday, June 15, 2021 10:23 AM  
**To:** Kortz, Chad <c.kortz@ctmale.com>  
**Subject:** SCWA Project

Chad,

Any updates on pumpstation delivery?

Don

**Don Austin**  
*Administrator*

Clifton Park Water Authority  
661 Clifton Park Center Road  
Clifton Park, NY 12065  
518-383-1122

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## **DISH Network Lease Proposal and Comparison to Existing Telecom Leases**

### **Proposed DISH Network Lease Area:**

(3) Antenna arrays on tank exterior – total lease area approx. 450 square feet  
Ground equipment – total lease area approx. 156 square feet

### **Existing Leases:**

Verizon

(3) Antenna arrays on tank exterior – total lease area 330 square feet  
Ground equipment – total lease area 80 square feet

AT&T

(3) Antenna arrays on tank exterior – total lease area 240 square feet  
Ground equipment – total lease area 160 square feet

T-Mobile

(3) Antenna arrays on tank exterior – total lease area 240 square feet  
Ground equipment – total lease area 80 square feet

### **Lease Terms:**

DISH Network Proposal

Rent - \$785/month with 2% annual escalator

Verizon

Rent - \$2,284.66/month with 3% annual escalator

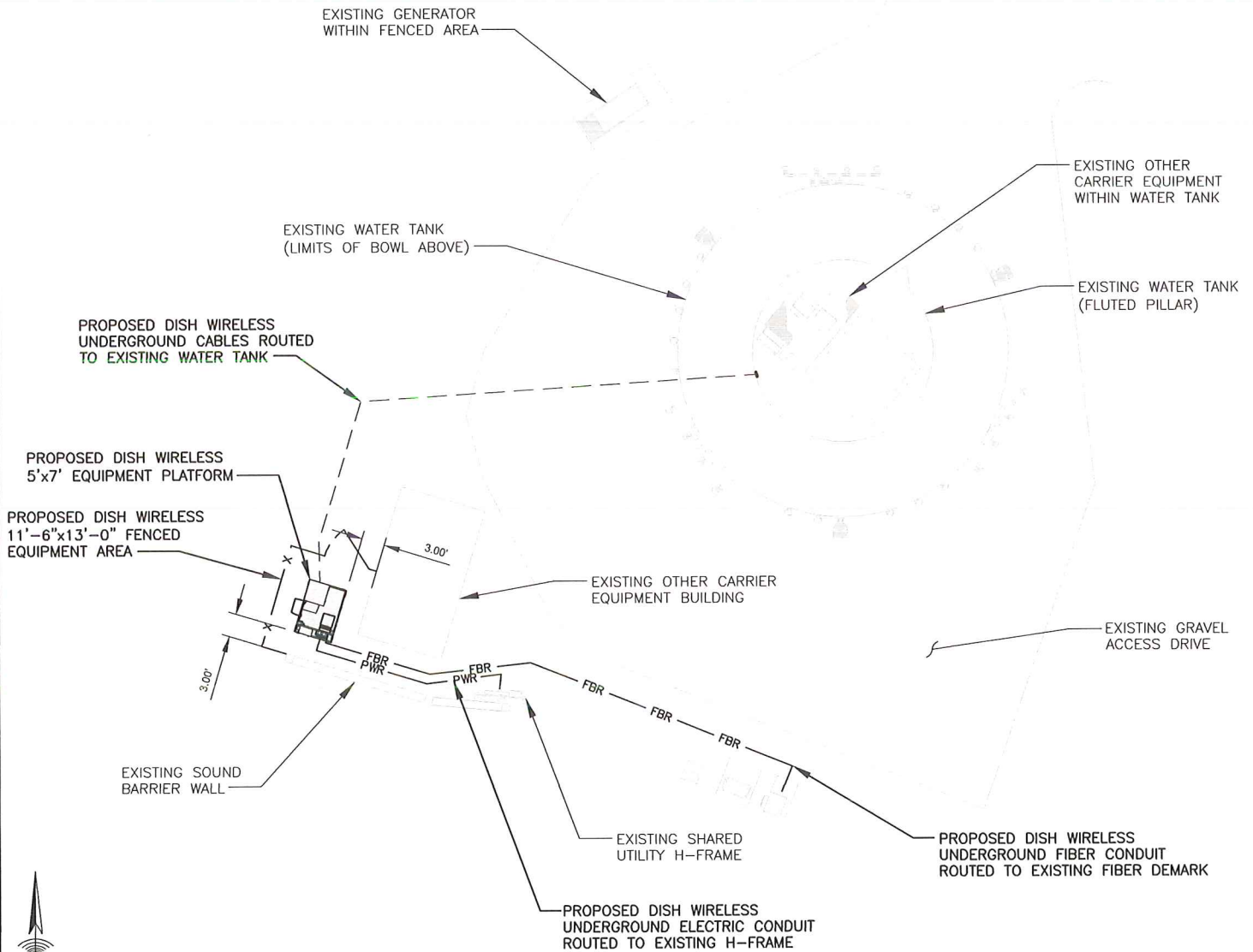
AT&T

Rent - \$2,318.55/month with 3% annual escalator

T-Mobile

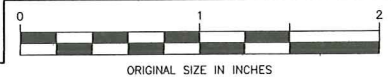
Rent - \$2,423.79/month with 3% annual escalator

NOTE:  
BASEMAPPING INFORMATION BASED ON INFORMATION PROVIDED  
TO AIROSMITH AND DESIGN VISIT COMPLETED BY AIROSMITH.  
DOES NOT REPRESENT FIELD SURVEY.



## OVERALL SITE PLAN

SCALE: 1" = 10' (8.5"x11")



CARRIER:

**dish**  
wireless.

CONSULTANT TEAM:

**AIROSMITH**  
AIROSMITH DEVELOPMENT  
AIROSMITH ENGINEERING  
318 WEST AVE.  
SARATOGA SPRINGS, NY 12866

SITE INFO:

SITE NAME: ALALB00154A  
TANK OWNER: CLIFTON PARK WATER  
AUTHORITY  
ADDRESS: 51 CASTLE PINES DRIVE  
CLIFTON PARK, NY 12065  
COUNTY: SARATOGA

DRAWN BY:

AJD

DATE:

5/18/21

SHEET NO:

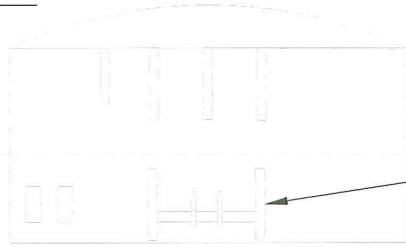
LE-1

REV:

A

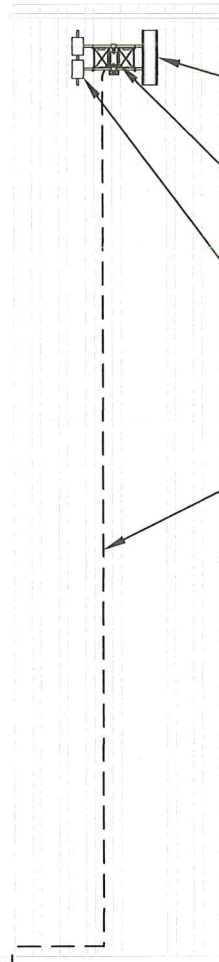
**STRUCTURAL NOTE:**  
STRUCTURAL ANALYSIS NOT COMPLETED AT TIME OF ISSUANCE  
OF THESE DRAWINGS. PASSING STRUCTURAL ANALYSIS  
REQUIRED PRIOR TO CONSTRUCTION.

TOP OF EXISTING  
WATER TOWER @ 140'-0" AGL



EXISTING OTHER CARRIER  
EQUIPMENT AREA (TYP)

(3) PROPOSED DISH WIRELESS ANTENNAS  
RAD CENTER @ 99'-0" AGL



PROPOSED DISH WIRELESS PANEL  
ANTENNAS (TYP. OF (1) PER  
SECTOR, (3) SECTORS TOTAL)

PROPOSED DISH WIRELESS OVP UNIT  
(TYP. OF (1) TOTAL)

PROPOSED DISH WIRELESS  
RRU'S (TYP. OF (2) PER  
SECTOR, (3) SECTORS TOTAL)

PROPOSED DISH WIRELESS HYBRID  
CABLES ROUTED ON INTERIOR OF WATER  
TOWER (FLUTED PILLAR SECTION).

PROPOSED DISH WIRELESS HYBRID  
CABLES ROUTED UNDERGROUND TO  
PROPOSED DISH WIRELESS  
EQUIPMENT AREA

GRADE = 0' AGL

### ELEVATION VIEW

SCALE: NO SCALE

CARRIER:

**dish**  
wireless.

CONSULTANT TEAM:



AIROSMITH DEVELOPMENT  
AIROSMITH ENGINEERING  
318 WEST AVE.  
SARATOGA SPRINGS, NY 12866

SITE INFO:

SITE NAME:

ALALB00154A

TANK OWNER:

CLIFTON PARK WATER  
AUTHORITY

ADDRESS:

51 CASTLE PINES DRIVE  
CLIFTON PARK, NY 12065

COUNTY:

SARATOGA

DRAWN BY:

AJD

DATE:

5/18/21

SHEET NO:

LE-2

REV:

A

## Don Austin

**From:** Jeff Szkolnik <jszkolnik@nbcllc.com>  
**Sent:** Tuesday, June 15, 2021 10:52 AM  
**To:** Don Austin  
**Subject:** RE: Proposed Verizon Wireless equipment modification - Knoll Top Water Tank - Consent Letter

Good morning Don,

For the structural calcs, please see below for a table of the change in loading for the proposed maintenance/upgrades

Add/remove	Equipment	Type	area (sq in)	weight	quantity	total area	total v
remove	CSS AXP18-80	antenna	462.9	28.0	2.0	925.8	
remove	CSS AXP19-60	antenna	464.9	26.5	4.0	1,859.6	
remove	CSS X7C-865	antenna	1,200.0	36.6	3.0	3,600.0	
total antenna remove						6,385.4	
remove	1 5/8" coax	cable	n/a	113.5	6.0	-	
total remove						6,385.4	
add	Samsung MT6407	antenna	560.0	87.1	3.0	1,680.0	
add	JMA MX10FIT865-04	antenna	876.0	40.5	2.0	1,752.0	
add	JMA MX10FIT865-06	antenna	876.0	40.5	4.0	3,504.0	
add	CBRS	antenna/RRU	61.3	23.0	3.0	183.9	
total antenna add						7,119.9	
add	Hybrid cable	cable	n/a	32.0	3.0	-	
add	Raycap 6x12	OVP	n/a	32.0	3.0	-	
add	Samsung RFVO1U-D1A	RRU	n/a	70.0	3.0	-	
add	Samsung RFVO1U-D2A	RRU	n/a	84.3	3.0	-	
total equipment add						-	
total add						7,119.9	
difference						+734.5 sq in	+ 275. LBS.

Total addition of area 734.5 sq inches

Total addition of weight 275.4 lbs.

From the engineer: When completing the structural analysis, both additions in area and weight and the change in load is negligible when compared to the size of the tank, therefore the tank's structural capacity is essentially unaffected. I hope the board also agrees with this statement.

As to the magnetic mounts, I've sent this upstairs for some guidance from Verizon. Again this is not something they have pursued or completed in the past, but I've asked for consideration to do so. Can I ask the reasoning behind the change in the magnetic attachment requirement? Verizon will want to understand the process so that it can work with



the town to resolve. Is there any compromise on this issue for this modification. The upgrades are needed quickly to accommodate the changes in the network and I'm not sure if Verizon can redesign the proposed SOW to comply this quickly. I'm hoping to get the feedback in time for the board meeting.

For what its worth, per our engineer: The current design proposes a new tieback at each mount framed back to the face of the tank. At that point Verizon would propose to stud weld a short angle which the tieback will bolt into. Each angle has 3 studs that will be adhered to the tank with the capacitor discharge method. This is done all the time on water tanks across the world and is the accepted method of attachment because it doesn't affect the inside face of the tank shell plate. I can add more notes if needed to the CDs, but this method is tested and proven to work over and over, and it's likely in place for all the mounts currently on this tank. I can say with 100% certainty none of the existing mounts on this tank are attached via magnets. Magnet attachments are generally 2'x2' or more, and all the attachments on this tank have plates that are only a few inches square. They are all welded or stud welded.

Let me know. We can make all the requested changes on the CDS as to the notes from your engineer. The above change in loading should complete that request. I'm not sure if Verizon will agree to the magnetic mounting, but I will let you know what I find out. Thanks for your help. Hopefully this can be worked out.

Sincerely,  
Jeff

**Jeff Szkolnik**  
*Site Acquisition Manager*  
*Upstate New York*

**NETWORK BUILDING + CONSULTING**

4142 Reddeer Road | Liverpool, NY | 13090  
Mobile 315.350.4025



**From:** Don Austin [mailto:daustin@cpwa.org]  
**Sent:** Monday, June 14, 2021 9:41 AM  
**To:** Jeff Szkolnik <jszkolnik@nbcllc.com>  
**Subject:** RE: Proposed Verizon Wireless equipment modification - Knoll Top Water Tank - Consent Letter

Jeff,

For the structural calcs requested, I am merely looking for the changes in tank loading from the old equipment to the new. Our agreement with Verizon states "...Lessor agrees to any such modifications as long as the new equipment does not increase the loading of Lessor's water tank...". Significant additional loading may result in the CPWA wishing to renegotiate our contract, so I need to know what those increases, if any, are.