City of Scottsbluff, Nebraska Monday, May 16, 2016 Regular Meeting

Item Reports1

Council to consider a request from Verizon Wireless to change the site configuration of equipment located on the 21st Avenue water tower and authorize the Mayor to sign the Consent to Modification.

Staff Contact: Nathan Johnson, City Manager

Agenda Statement

Item No.

For meeting of: May 16, 2016

AGENDA TITLE: Council to consider a request from Verizon Wireless to change the site configuration of equipment located on the 21st Avenue water tower.

SUBMITTED BY DEPARTMENT/ORGANIZATION: Public Works Department

PRESENTATION BY: Nathan Johnson, City Manager

SUMMARY EXPLANATION: Verizon Wireless is one of three tenants we have on the 21st Avenue water tower. They are upgrading their equipment and request that the City allow them to change the site configuration of their equipment.

To date, we have had no issues with this tenant. Legal has reviewed the existing agreement and their equipment modification plans. From a legal standpoint, the request is appropriate if the City finds no interference or equipment issues. Notation of such has been added to their Consent to Modifications form.

BOARD/COMMISSION RECOMMENDATION:

STAFF RECOMMENDATION: That Council approve the request from Verizon Wireless and authorize the Mayor to sign the Consent to Modifications form.

		EXHIBITS									
Resolution	Ordinance 🗆	Contract	Minutes 🗆	Plan/Map ⊠							
Other (specify) ☑	Consent to Modifica	ations form									
NOTIFICATION LIST: Yes D No D Further Instructions D											
APPROVAL FOR SUBMITTAL:											
		City Manager									

Rev 3/1/99CClerk



Buell Consulting, Inc. 1360 Energy Park Drive, Suite 210 Saint Paul, Minnesota 55108 (651) 361-8110 www.buellconsulting.com Site Acquisition

Site Acquisition Permitting Established 1991

2 May, 2016

City of Scottsbluff Water Department Attn: Jack Satur 2525 Circle Drive Scottsbluff, NE 69361

RE: Water Tower Attachment Communication Site Agreement dated 11-16-2002 between City of Scottsbluff (Lessor), and ALLTEL Communications of Nebraska, Inc., predecessor-in-interest to Verizon Wireless (Lessee).

VZW Site ID: NE01 Scottsbluff WT Site Address: 1604 21st Ave, Scottsbluff, NE 69361

Dear Jack,

Pursuant to the above referenced agreement, Verizon Wireless is hereby requesting your consent to a change in the site configuration at the above-referenced site.

Verizon Wireless is in the process of upgrading their wireless network to incorporate AWS technology. As technology advances, it is necessary for Verizon Wireless to upgrade their equipment, which will consist of swapping (3) antennas, adding (3) antennas and adding accessory equipment (RRUS). The enclosed construction drawings outline the specifics of this modification. Also, a structural review of the tower has been done, and a copy of the analysis is attached.

On page two of this letter, a form is provided for the City of Scottsbluff to indicate their consent for the proposed modification. Please complete the form and return it to me as soon as possible.

Please do not hesitate to contact me at 651-341-5666 or <u>dmccain@buellconsulting.com</u> with questions you may have.

Sincerely,

Donovan McCain Buell Consulting, Inc. Verizon Wireless Agent <u>dmccain@buellconsulting.com</u>



Site Acquisition Permitting Established 1991

COMPLETE AND EMAIL to dmcccain@buellconsulting.com

CONSENT TO MODIFICATIONS

VZW Site ID: NE01 Scottsbluff WT Site Address: 1604 21st Ave, Scottsbluff, NE 69361

The "City of Scottsbluff" acknowledges receipt of a request for consent to a site modification with connecting appurtenances currently located at the above referenced site. The "City of Scottsbluff" hereby consents to the proposed modifications.

LESSOR:

Name:

Date

Title:

ACCESS INFORMATION

Please indicate the name and telephone number of the person that Verizon Wireless needs to contact in order to coordinate the logistics of the proposed antenna change.

Name

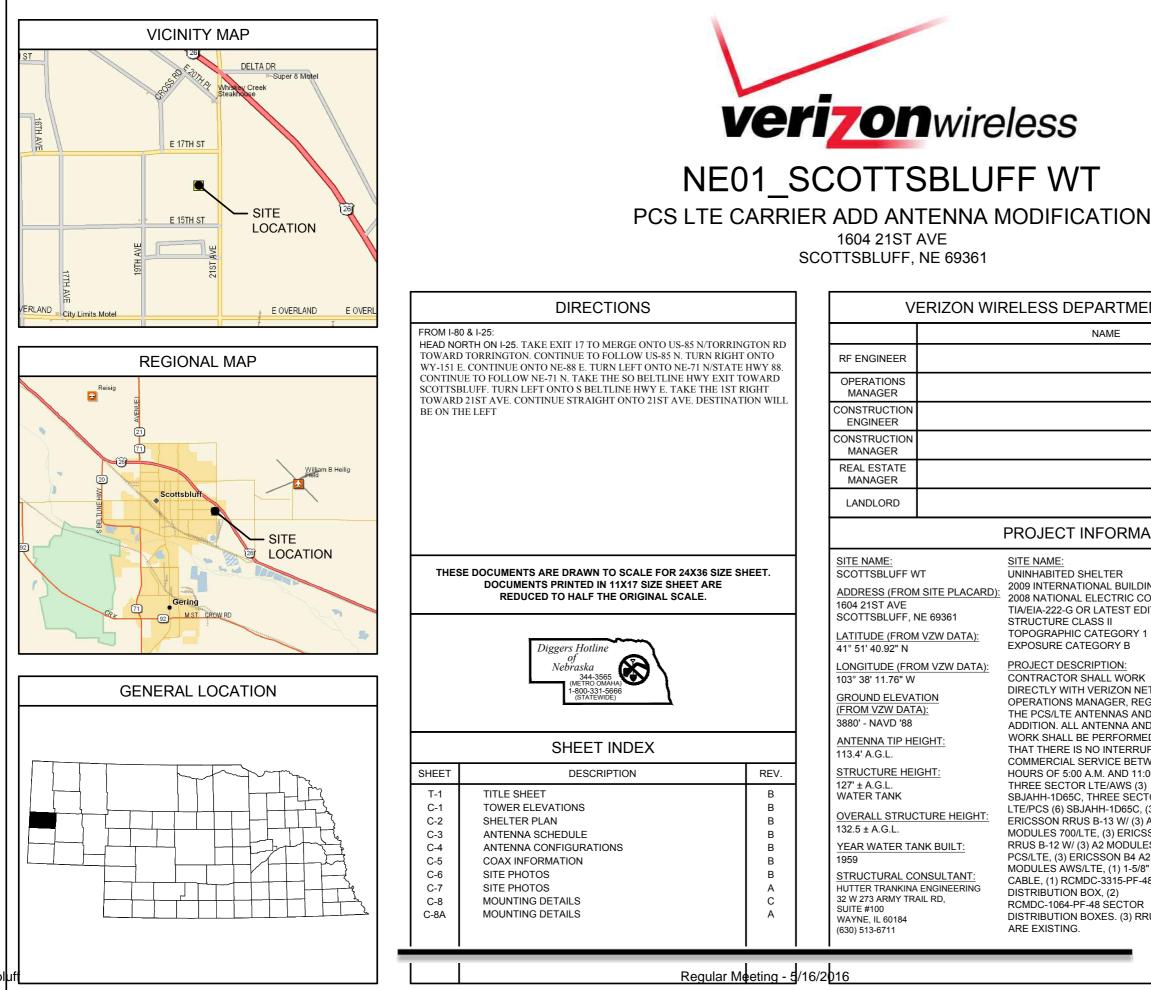
Telephone Number

Please list any special considerations that need to be taken into account in coordinating the proposed upgrade. For example, please list any dates of special events, other scheduled maintenance, special hours request, and the like that may interfere with the proposed Verizon Wireless upgrade.

That requests for access to the equipment located on the tower be made during business hours - 7:00 a.m. and 4:00 p.m. Monday through Friday.

That as per Agreement, the change in site configuration won't interfere with the structural integrity of the tower or equipment owned by other tenants.

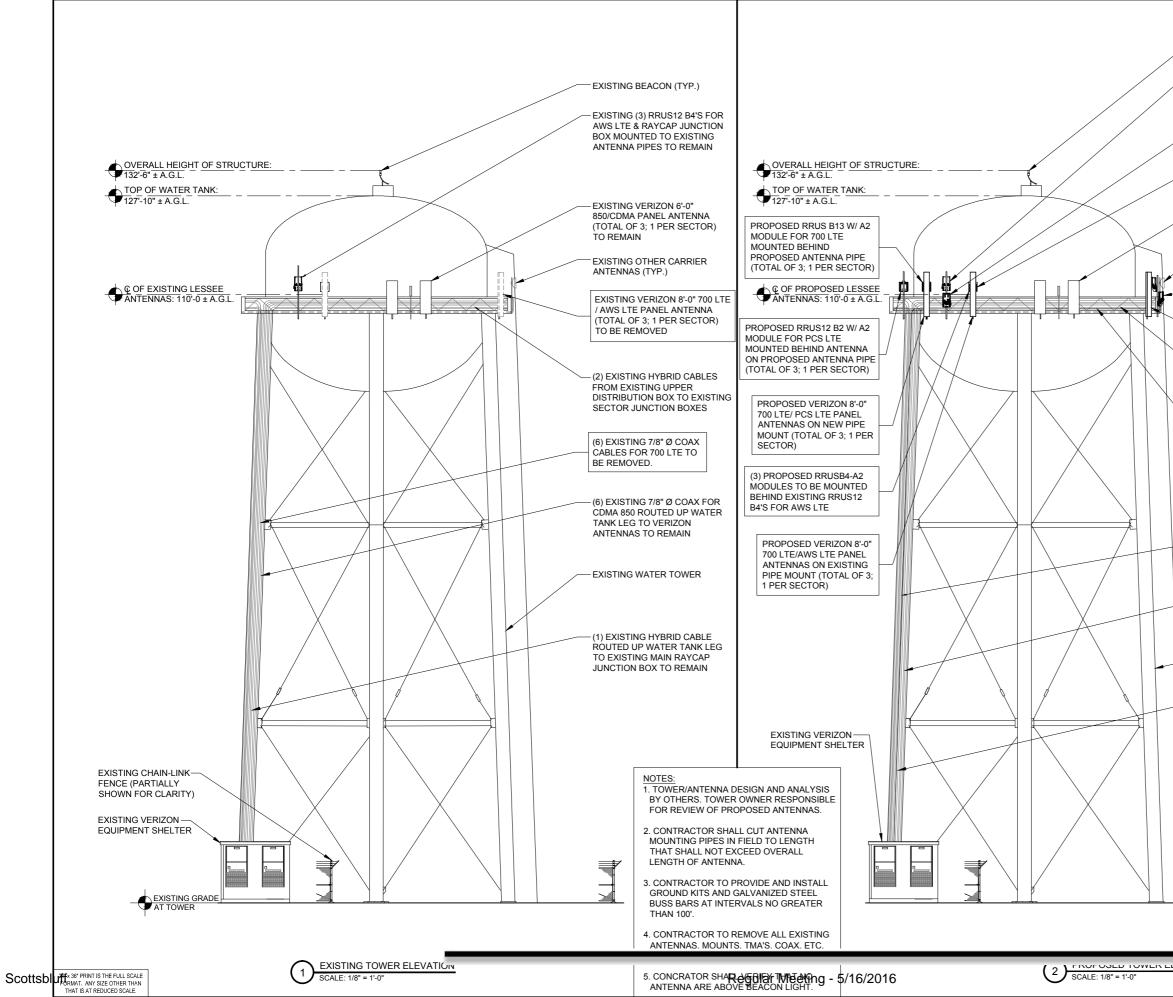
By signing the consent, the City makes no assurance to Verizon Wireless as to the availability of space for the new configuration.



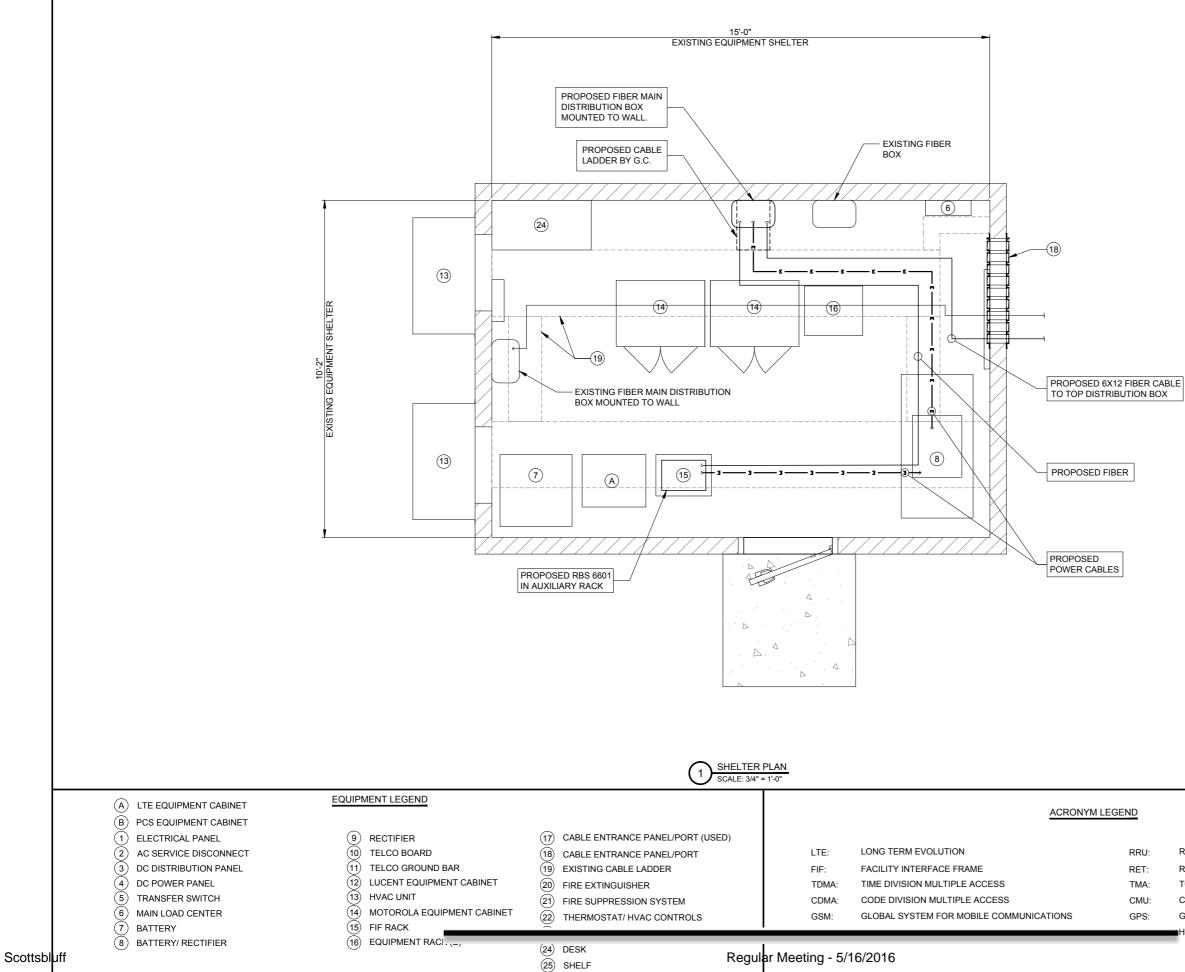
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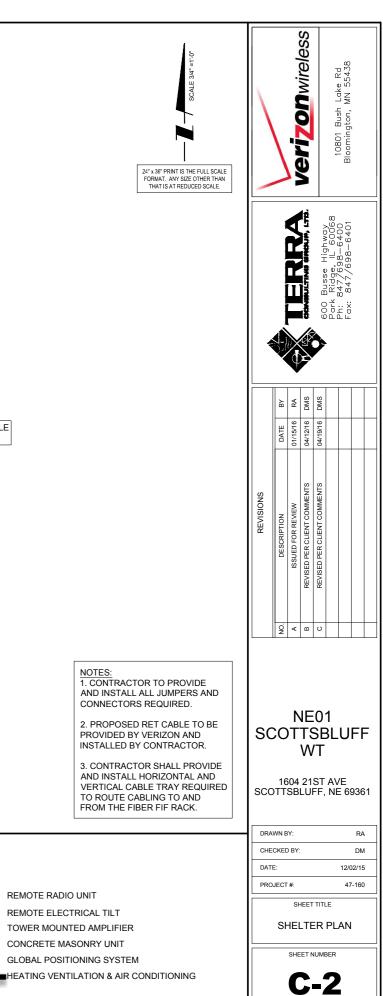
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ORY 1	PHONE: (402) 436-42 FAX: (402) 436-5041						
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5-PF-48 TOP CTOR (3) RRUS12 B4	600 BUSSE HIGHWA PARK RIDGE, IL 6000 CONTACT: DENNIS I PHONE: (847) 698-64 FAX: (847) 698-6401	68 MURPHY					
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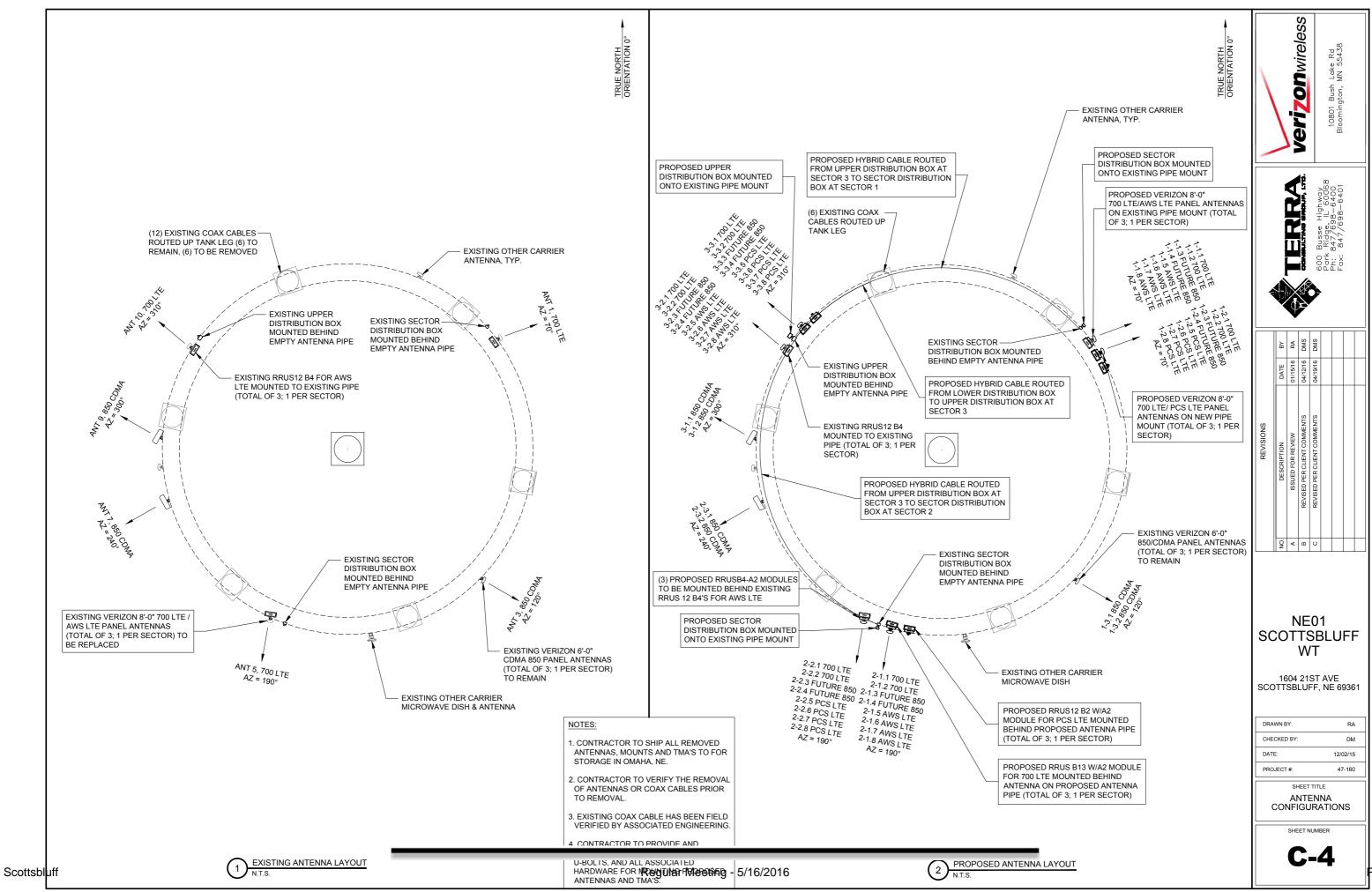
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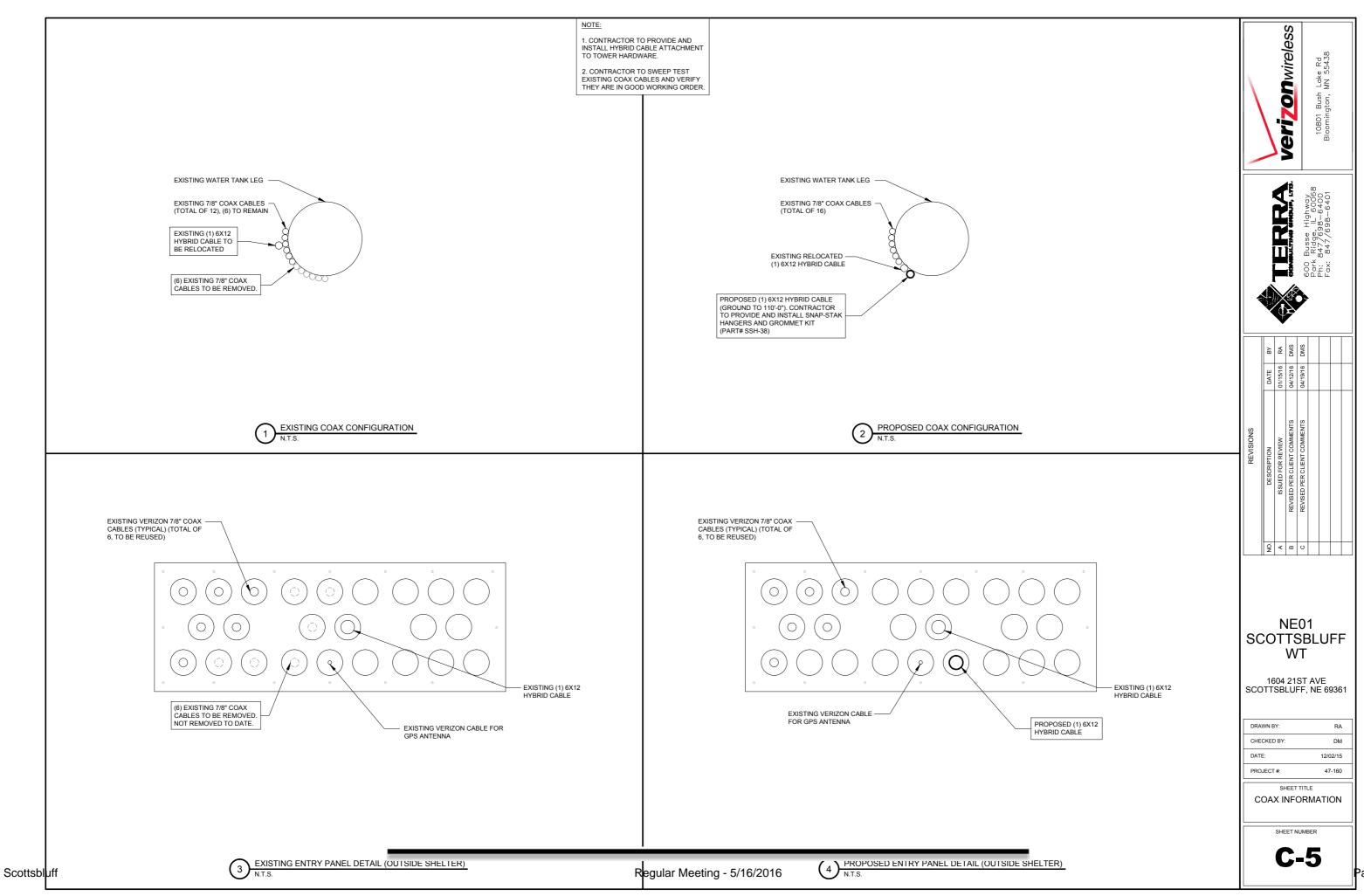


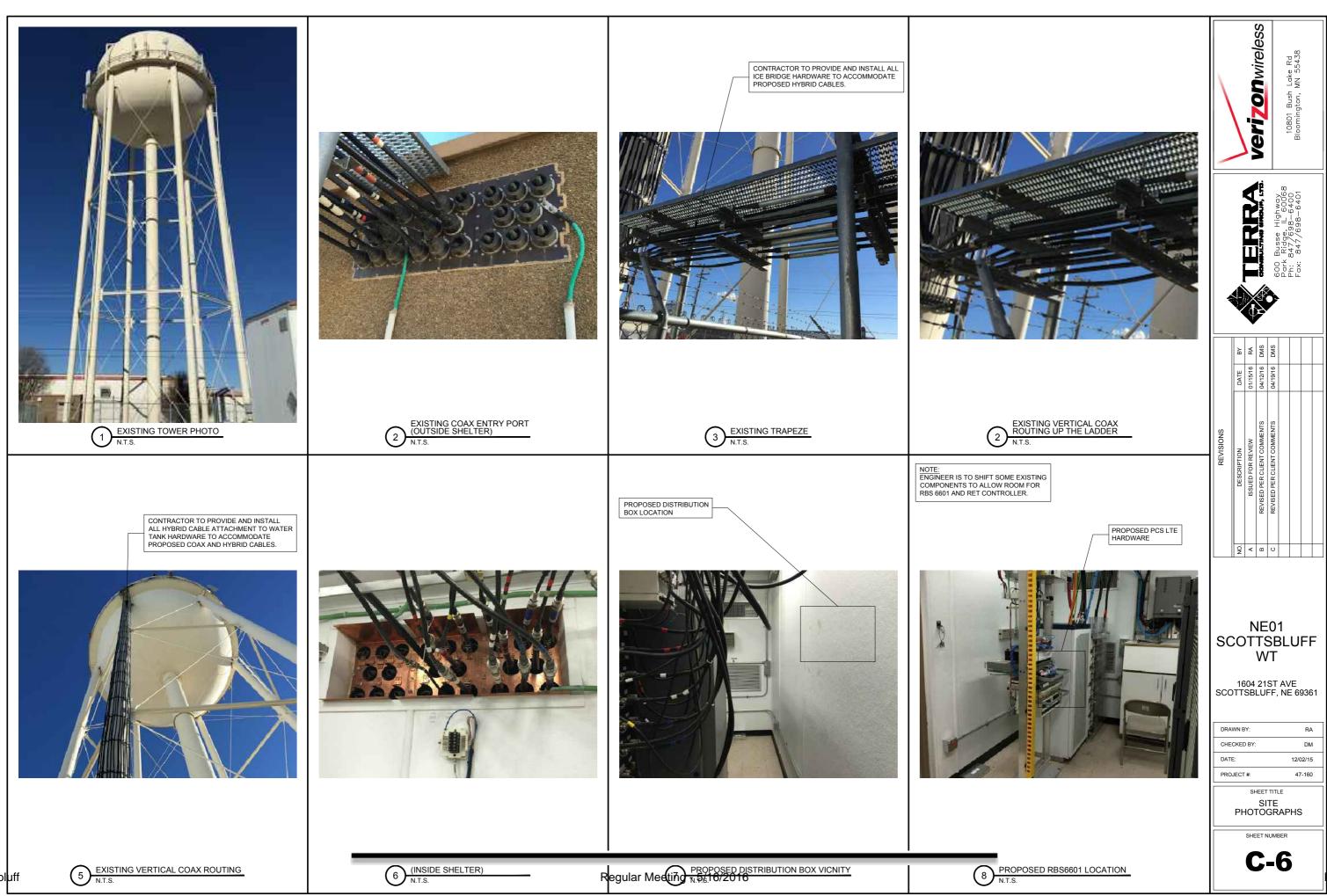
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Scottsbluff

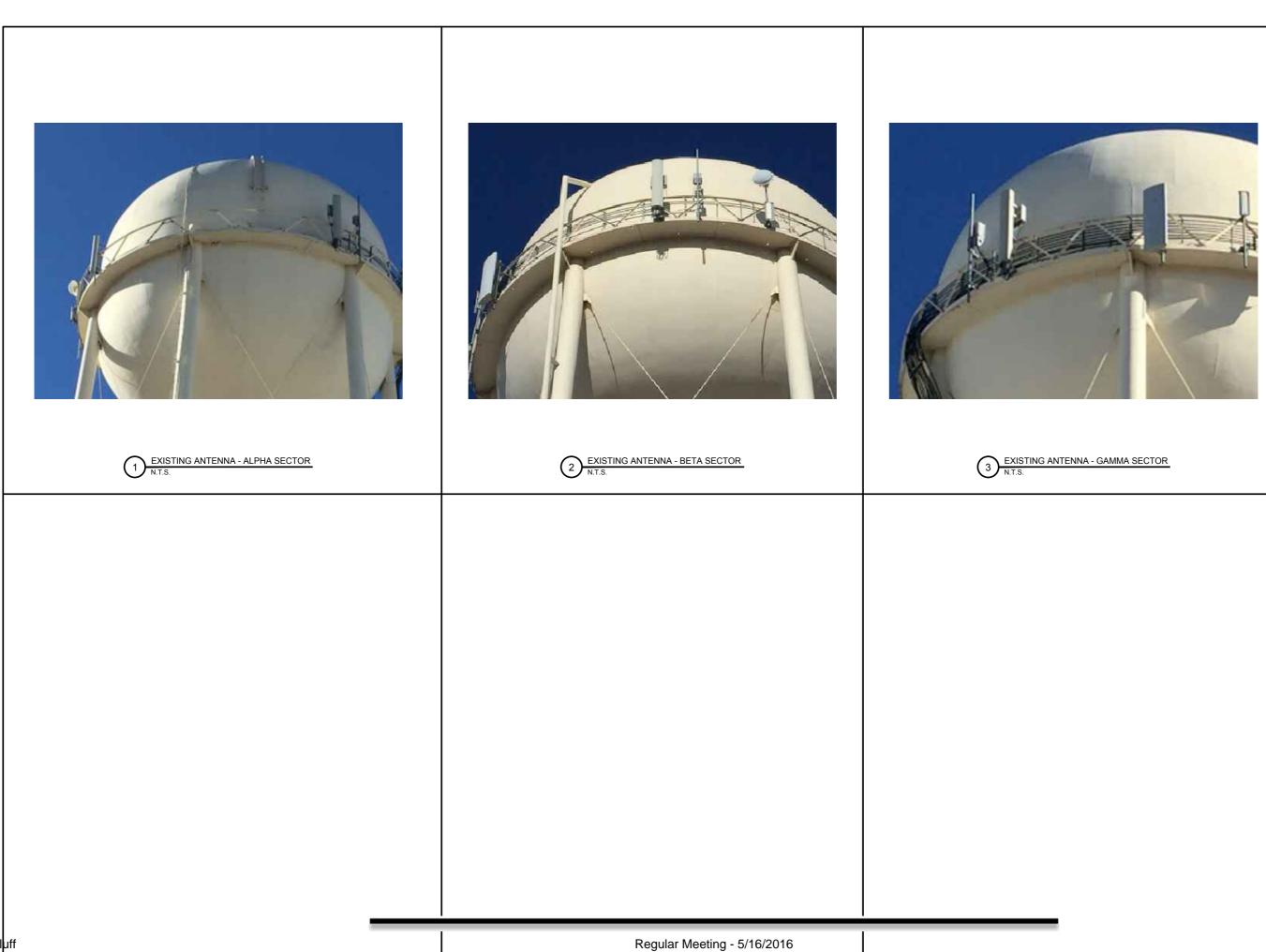


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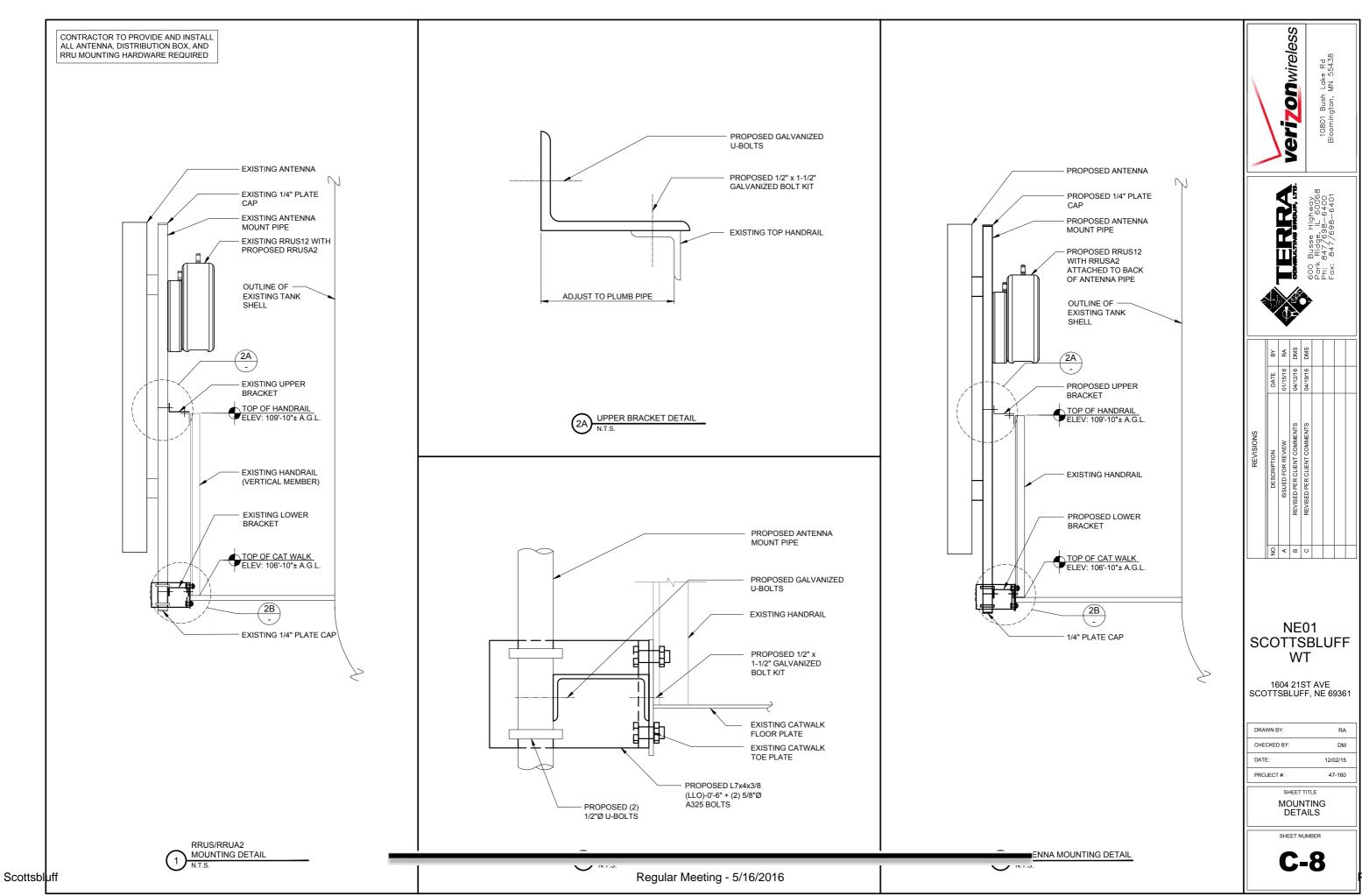


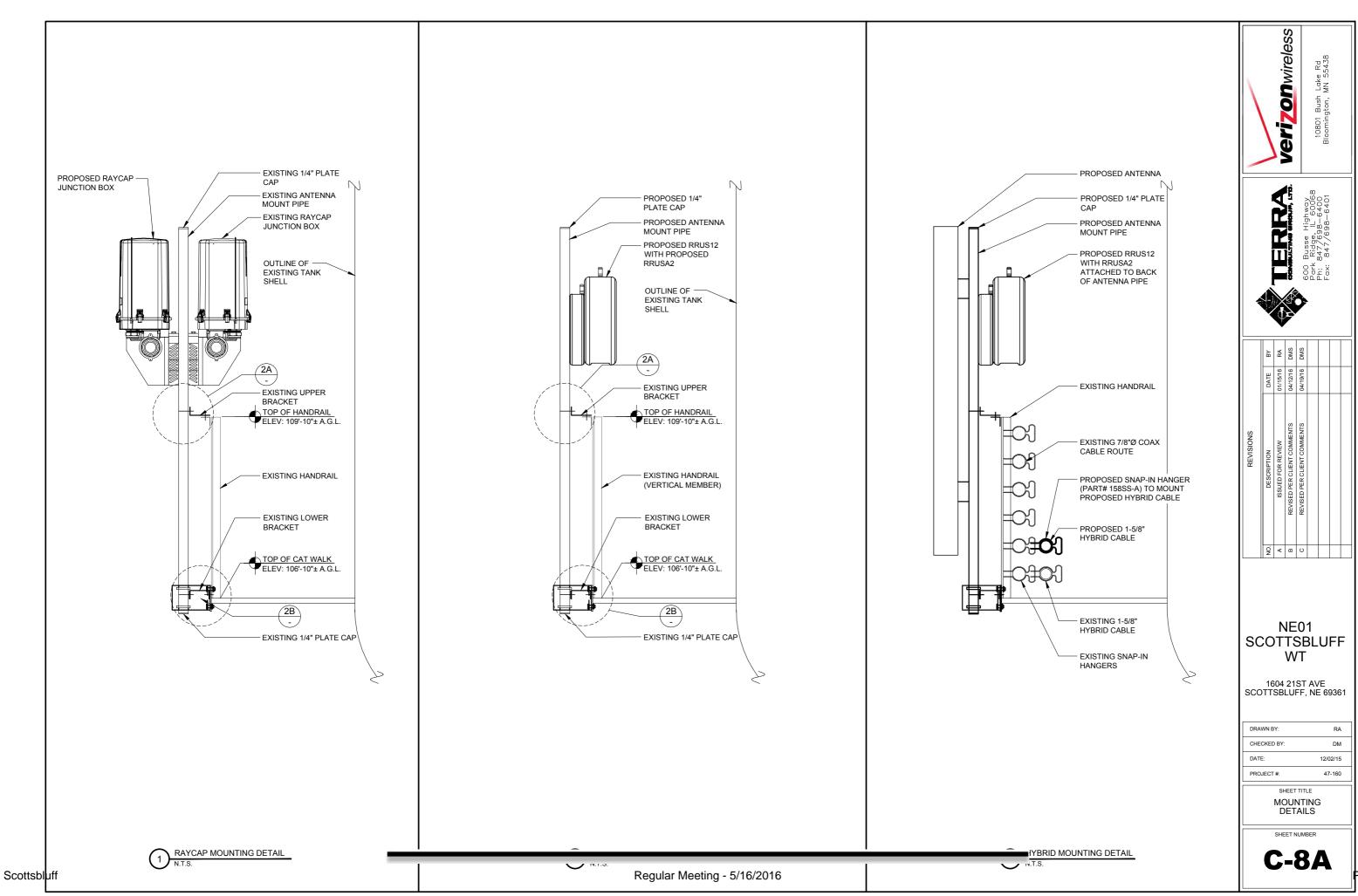


Scottsbluff









HUTTER TRANKINA ENGINEERING CONSULTING STRUCTURAL ENGINEERS

32 W 273 Army Trail Road, Suite # 100, Wayne, IL 60184

Phone: 630-513-6711 Fax: 630-513-2925 htedesign.com

January 13, 2016

Mr. Dennis Murphy Terra Consulting Group, Ltd. 600 Busse Highway 2nd Floor Park Ridge, IL 60068-2568

Re: VZN: NE01 Scottsbluff WT Terra # 47160 Hutter Trankina # 12093C

Dear Mr. Murphy:

Per your request, we have reviewed the structural impact of the proposed Verizon Wireless equipment (shown below) on the above-referenced site, which is located at 1604 21st Avenue in Scottsbluff, Nebraska. The following antenna loading was considered in the analysis:

Equipment East & 110	
Equipment	Quantity
Amphenol BXA-80090-6CF	3 (1 per sector)
Commscope SBJAHH-1D65C	6 (2 per sector)
Tower mounted Fiber Distro Box (Raycap RCMDC-3315-PF-48)	3
RRUS-B13 + RRUSA2-B13 Box	3 (1 per sector)
RRUS12-B4 + RRUSA2-B4 Box	3 (1 per sector)
RRUS12-B2 + RRUSA2-B2 Box	3 (1 per sector)
Amphenol RET cable	1
HFT1206-24549 Hybrid Cable	1
⅔" Dia. Coax	9

Equipment List @ 110'-0"

The new cables will be fastened to the face of a tank leg in a single row.

Page 2 January 13, 2016 VZN: NE01 Scottsbluff WT Terra # 47160 Hutter Trankina # 12093C

Our calculations were based on data provided by a tower mapping report by HighTower Solutions dated 02/27/12. Based on our calculations, the percentage of antenna wind loads on the water tank is less than 10% of the wind loads on the water tank alone. This percentage increase is acceptable per IBC 2009 Code Section 3403.4; therefore, the water tank is acceptable.

Should you have any questions regarding this report or require further analysis, please do not hesitate to contact our office.

Sincerely,

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Ulises Vazquez Project Engineer

John L. Trankina President

