



# 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](mailto:siting.council@ct.gov)

[www.ct.gov/csc](http://www.ct.gov/csc)

### VIA ELECTRONIC MAIL

May 8, 2019

Paul F. Sagristano  
Cherundolo Consulting  
4 Davis Road West, Suite 5  
Old Lyme, CT 06371

RE: **EM-SPRINT-099-190417** – Sprint Spectrum, LP notice of intent to modify an existing telecommunications facility located at 59 Youngs Apple Orchard Road, North Branford, Connecticut.

Dear Mr. Sagristano:

The Connecticut Siting Council (Council) is in receipt of your correspondence of April 29, 2019 and May 2, 2019 submitted in response to the Council's April 18, 2019 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

MAB/IN/emr



## Robidoux, Evan

---

**From:** Paul Sagristano <psagristano@lrivassoc.com>  
**Sent:** Thursday, May 02, 2019 12:09 PM  
**To:** Nwankwo, Ifeanyi  
**Cc:** CSC-DL Siting Council; tom.jupin@cherundoloconsulting.com  
**Subject:** RE: Council Incomplete Letter for EM-SPRINT-099-190417-YoungsAppleOrchardRd-NorthBranford  
**Attachments:** CT03XC041 Fed Ex CSC to Property Owner.pdf; Master Assignment of Antenna Users Agreement\_1.14.19.pdf  
**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Sorry, I did not mean to send. Please find the 2 documents referenced in previous email. Again, please be advised that the assignment document from Frontier to Everest Infrastructure Partners shows the Tower in question as the final entry on the final page. I have highlighted it for your convenience.

Best,

Paul F. Sagristano  
917-841-0247

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**From:** Nwankwo, Ifeanyi [mailto:Ifeanyi.Nwankwo@ct.gov]  
**Sent:** Thursday, May 02, 2019 11:46 AM  
**To:** Paul Sagristano  
**Cc:** CSC-DL Siting Council; tom.jupin@cherundoloconsulting.com  
**Subject:** RE: Council Incomplete Letter for EM-SPRINT-099-190417-YoungsAppleOrchardRd-NorthBranford

Hi Paul,

Good Morning, and thank you for your response. There is no document attached to your email. Please attach and resend for Council review, pending receipt of hard copies.

Thank you.

**Best Regards**

Ifeanyichukwu Nwankwo  
Connecticut Siting Council  
10 Franklin Square  
New Britain, CT 06051

P: 860.827.2941 | F: 860.827.2950 | E: Ifeanyi.Nwankwo@ct.gov



[www.ct.gov/csc](http://www.ct.gov/csc)

***Conserving, improving and protecting our natural resources and environment;  
Ensuring a clean, affordable, reliable, and sustainable energy supply.***

**From:** Paul Sagristano [mailto:psagristano@lrivassoc.com]  
**Sent:** Thursday, May 02, 2019 10:30 AM  
**To:** Nwankwo, Ifeanyi  
**Cc:** CSC-DL Siting Council; tom.jupin@cherundoloconsulting.com  
**Subject:** RE: Council Incomplete Letter for EM-SPRINT-099-190417-YoungsAppleOrchardRd-NorthBranford

Attached please find a copy of the Master agreement transferring the Frontier Towers to Everest Infrastructure Partners (please note the tower in question is the last one on the list on the last page of the document). I am also attaching the Fed Ex Slip for the delivery of the Siting Council EM submission to the Property Owner, SNET. Please advise if any additional questions about this persist. I will get a hard copy of the revised Construction Drawings into Fed Ex for the CSC today. Thank you!

Best,

Paul F. Sagristano  
917-841-0247

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**From:** Nwankwo, Ifeanyi [mailto:Ifeanyi.Nwankwo@ct.gov]  
**Sent:** Tuesday, April 30, 2019 11:44 AM  
**To:** Paul Sagristano  
**Cc:** CSC-DL Siting Council  
**Subject:** RE: Council Incomplete Letter for EM-SPRINT-099-190417-YoungsAppleOrchardRd-NorthBranford

Hi Paul,

Thank you for your email. As discussed, the Council requires a hard copy of every response to the incomplete request, as stated in the attached incomplete letter.

This is essential for record purposes and also, to ensure consistency with the electronic copy.

I hope this answers your question.  
Please don't hesitate to contact me if you have any more questions.

Thank You.

Best Regards

Ifeanyichukwu Nwankwo

Connecticut Siting Council

10 Franklin Square

New Britain, CT 06051

P: 860.827.2941 | F: 860.827.2950 | E: [Ifeanyi.Nwankwo@ct.gov](mailto:Ifeanyi.Nwankwo@ct.gov)



[www.ct.gov/csc](http://www.ct.gov/csc)

*Conserving, improving and protecting our natural resources and environment;  
Ensuring a clean, affordable, reliable, and sustainable energy supply.*

**From:** Paul Sagristano [<mailto:psagristano@lrivassoc.com>]

**Sent:** Monday, April 29, 2019 4:20 PM

**To:** Nwankwo, Ifeanyi

**Subject:** Re: Council Incomplete Letter for EM-SPRINT-099-190417-YoungsAppleOrchardRd-NorthBranford

The hard copies of documents with minor revisions have not been required of me on numerous other submissions. Won't the counsel review the soft copy?

Best,

Paul F. Sagristano

917.841.0247

On Apr 29, 2019, at 3:33 PM, Nwankwo, Ifeanyi <[Ifeanyi.Nwankwo@ct.gov](mailto:Ifeanyi.Nwankwo@ct.gov)> wrote:

Hi Mr. Sagristano,

Thank you for your email. Consistent with the incomplete letter, a hard copy of the full response will be required to render the filing complete and the request processed.

Thank you

Best Regards

Ifeanyichukwu Nwankwo

Connecticut Siting Council

10 Franklin Square

New Britain, CT 06051

P: 860.827.2941 | F: 860.827.2950 | E: [Ifeanyi.Nwankwo@ct.gov](mailto:Ifeanyi.Nwankwo@ct.gov)

e001.gif>

[www.ct.gov/csc](http://www.ct.gov/csc)

***Conserving, improving and protecting our natural resources and environment;  
Ensuring a clean, affordable, reliable, and sustainable energy supply.***

**From:** Paul Sagristano [<mailto:psagristano@lrivassoc.com>]  
**Sent:** Monday, April 29, 2019 1:33 PM  
**To:** Robidoux, Evan  
**Cc:** CSC-DL Siting Council  
**Subject:** RE: Council Incomplete Letter for EM-SPRINT-099-190417-YoungsAppleOrchardRd-NorthBranford

My apologies for not attaching the CD's. Sorry!

Best,

Paul F. Sagristano  
917-841-0247

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**From:** Paul Sagristano  
**Sent:** Monday, April 29, 2019 1:31 PM  
**To:** 'Robidoux, Evan'  
**Cc:** CSC-DL Siting Council  
**Subject:** RE: Council Incomplete Letter for EM-SPRINT-099-190417-YoungsAppleOrchardRd-NorthBranford

Please find the revised CD attached to this email. I have been told that the codes have been updated, but I am unsure where to find the information in question, so I will rely on the engineers word. Please let me know if you require anything else for this submission. Thank you!

Best,

Paul F. Sagristano  
917-841-0247

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**From:** Robidoux, Evan [<mailto:Evan.Robidoux@ct.gov>]

**Sent:** Tuesday, April 23, 2019 9:16 AM

**To:** Paul Sagristano

**Cc:** CSC-DL Siting Council

**Subject:** Council Incomplete Letter for EM-SPRINT-099-190417-YoungsAppleOrchardRd-NorthBranford

Please see the attached correspondence.

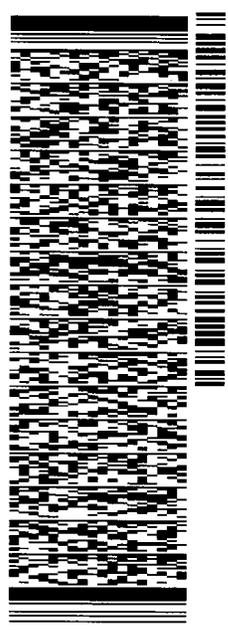
Evan Robidoux  
Clerk Typist  
Connecticut Siting Council  
10 Franklin Square  
New Britain, CT 06051

ORIGIN ID:SKKA (917) 841-0247  
PAUL SAGRISTANO  
CCC  
4 DAVIS ROAD WEST  
SUITE 5  
OLD LYME, CT 06371  
UNITED STATES US

SHIP DATE: 02MAY19  
ACTWGT: 0.50 LB  
CAD: 111040781MNET4100  
BILL SENDER

TO REAL ESTATE  
SNET  
401 MERRITT 7

NORWALK CT 06851  
(800) 921-8101  
INV  
REF: CT03K0041 - PROP OWNER CSOC  
DEPT



TRK# 7751 1631 5960  
0201

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NORWALK, CT  
06851  
US  
(800) 921-8101

**Ship from:**

Paul Sagristano  
CCC  
4 Davis Road West  
Suite 5  
OLD LYME, CT  
06371  
US  
9178410247

**Shipment Information:**

Tracking no.: 775116315960  
Ship date: 05/02/2019  
Estimated shipping charges: 19.58 USD

**Package Information**

Pricing option: FedEx Standard Rate  
Service type: FedEx Express Saver  
Package type: FedEx Envelope  
Number of packages: 1  
Total weight: 0.50 LBS  
Declared Value: 0.00 USD  
Special Services: Direct signature required  
Pickup/Drop-off: Drop off package at FedEx location

**Billing Information:**

Bill transportation to: My Account - 429-429  
Your reference: CT03XC041 - Prop Owner CSC  
P.O. no.:  
Invoice no.:  
Department no.:

Thank you for shipping online with FedEx ShipManager at [fedex.com](http://fedex.com).

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## Fontaine, Lisa

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**From:** Paul Sagristano <psagristano@lrvassoc.com>  
**Sent:** Monday, April 29, 2019 1:33 PM  
**To:** Robidoux, Evan  
**Cc:** CSC-DL Siting Council  
**Subject:** RE: Council Incomplete Letter for EM-SPRINT-099-190417-YoungsAppleOrchardRd-NorthBranford  
**Attachments:** CD\_CT03XC041\_REV5\_SS\_042919.pdf

My apologies for not attaching the CD's. Sorry!

Best,

Paul F. Sagristano  
917-841-0247

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**Subject:** Council Incomplete Letter for EM-SPRINT-099-190417-YoungsAppleOrchardRd-NorthBranford

Please see the attached correspondence.

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Clerk Typist  
Connecticut Siting Council  
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New Britain, CT 06051

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PAUL SAGRISTANO  
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OLD LYME CT 06371  
UNITED STATES US

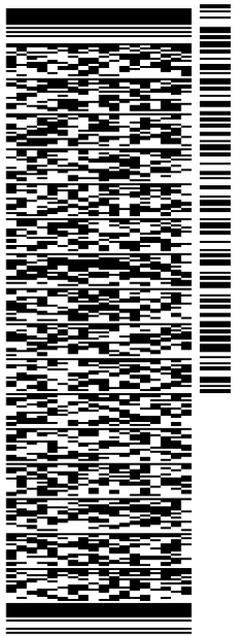
SHIP DATE: 02MAY19  
ACTWGT: 0.50 LB  
CAD: 111040781IN/ET4100

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401 MERRITT 7

NORWALK CT 06851

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PO: DEPT:



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0201

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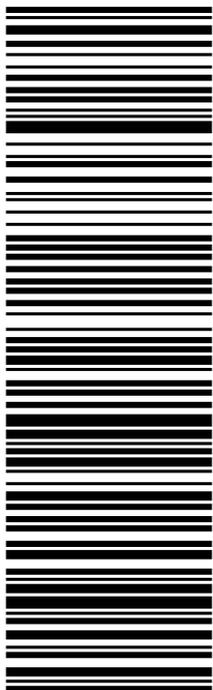
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**Ship from:**

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Suite 5  
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US  
9178410247

**Shipment Information:**

Tracking no.: 775116315960  
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**Package Information**

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Service type: FedEx Express Saver  
Package type: FedEx Envelope  
Number of packages: 1  
Total weight: 0.50 LBS  
Declared Value: 0.00 USD  
Special Services: Direct signature required  
Pickup/Drop-off: Drop off package at FedEx location

**Billing Information:**

Bill transportation to: My Account - 429-429  
Your reference: CT03XC041 - Prop Owner CSC  
P.O. no.:  
Invoice no.:  
Department no.:

**Thank you for shipping online with FedEx ShipManager at [fedex.com](http://fedex.com).**

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**MASTER ASSIGNMENT OF ANTENNA USERS AGREEMENTS**

**BY AND BETWEEN**

**FRONTIER COMMUNICATIONS CORPORATION**

**AND**

**EIP COMMUNICATIONS I, LLC**

## Master Assignment of Antenna Users Agreements

This Master Assignment of Antenna Users Agreement (the “**Assignment Agreement**”), effective as of January 14, 2019 (the “**Effective Date**”), is made by Frontier Communications Corporation, a Delaware corporation (“**Assignor**”) to EIP Communications I, LLC, a Delaware limited liability company (“**Assignee**”) (collectively, the “**Parties**,” or individually, a “**Party**”) with reference to the following facts:

A. Assignor and Assignee have entered into that certain Asset Purchase Agreement dated November 5, 2018 (the “**Asset Purchase Agreement**”). All capitalized terms not otherwise defined herein shall have the meanings set forth in the Asset Purchase Agreement.

B. Assignor and its Affiliates, as applicable, lease, sublease, license or otherwise permit the use of portions of certain real property for the installation, operation and maintenance of communications equipment on or at the Owned Towers, the Ground Lease Sites and the Seller Communications Facilities Sites pursuant to the Antenna Users Agreements.

C. In furtherance of the transaction described in the Asset Purchase Agreement, Assignor and its Affiliates desire to assign to Assignee and Assignee desires to assume from Assignor and its Affiliates all of their respective interests in the Antenna Users Agreements pursuant to the terms and conditions of this Assignment Agreement.

FOR VALUABLE CONSIDERATION, the Parties agree as follows:

1. Effective as of the Closing, Assignor and its Affiliates hereby transfer and assign to Assignee, and Assignee hereby accepts and assumes from Assignor and its Affiliates, all of Assignor’s and its Affiliates’ right, title and interest in the Antenna Users Agreements set forth on Schedule 1 attached hereto. In addition, Assignor and its Affiliates hereby transfer and assign to Assignee, and Assignee hereby accepts and assumes from Assignor and its Affiliates, all of Assignor’s and its Affiliates’ right, title and interest in the AT&T Receivables under certain of the Antenna Users Agreements.
2. Assignee hereby accepts and assumes said assignment and agrees to be bound by and abide by each and every term, covenant and condition of the Antenna Users Agreements as they apply from and after the Closing, and to fulfill Assignor’s and its Affiliates’ obligations with respect to the interest therein transferred to Assignee by this Assignment Agreement.
3. Except for the AT&T Receivables, rental, license fee and other income from the Antenna Users Agreements shall be prorated as of the Closing pursuant to the Asset Purchase Agreement.
4. Assignee acknowledges and agrees that it is assuming the Antenna Users Agreements subject to the rights and obligations of Assignor and Assignee set forth in the Omnibus Master Lease/Sublease and Master License Agreement.
5. Third Party Consents with respect to the assignment of Antenna Users Agreements hereunder shall be governed by the Asset Purchase Agreement and the Omnibus Master Lease/Sublease and Master License Agreement.

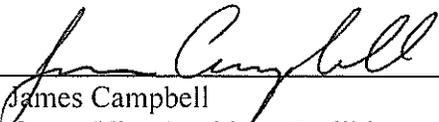
6. Assignor and Assignee acknowledge and agree that Assignor has made no representations or warranties regarding the Antenna Users Agreements or AT&T Receivables except as set forth in the Asset Purchase Agreement.

7. This Assignment Agreement shall inure to the benefit of Assignor and its Affiliates, and their respective successor and assigns.

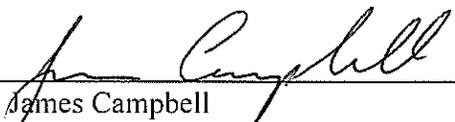
[signatures on following page]

IN WITNESS WHEREOF, the Parties have duly executed this Master Assignment of Antenna Users Agreements as of the date first above written.

FRONTIER COMMUNICATIONS  
CORPORATION

By:   
Name: James Campbell  
Title: Group Vice President, Facilities and Real Estate Services

FRONTIER FLORIDA LLC

By:   
Name: James Campbell  
Title: Group Vice President, Facilities and Real Estate Services

CITIZENS TELECOMMUNICATIONS  
COMPANY OF NEW YORK, INC.

By:   
Name: James Campbell  
Title: Group Vice President, Facilities and Real Estate Services

CITIZENS TELECOMMUNICATIONS  
COMPANY OF WEST VIRGINIA

By:   
Name: James Campbell  
Title: Group Vice President, Facilities and Real  
Estate Services

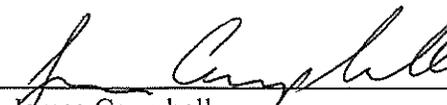
CITIZENS UTILITIES RURAL COMPANY, INC.

By:   
Name: James Campbell  
Title: Group Vice President, Facilities and Real  
Estate Services

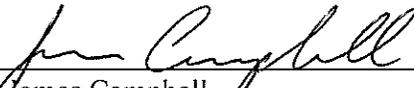
CITIZENS COMMUNICATIONS

By:   
Name: James Campbell  
Title: Group Vice President, Facilities and Real  
Estate Services

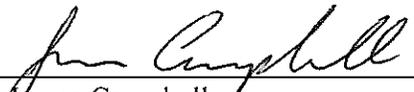
CITIZENS TELECOMMUNICATIONS  
COMPANY OF CALIFORNIA INC.

By:   
Name: James Campbell  
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Estate Services

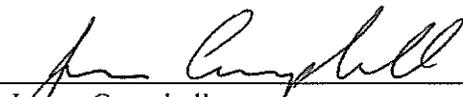
CITIZENS TELECOMMUNICATIONS  
COMPANY OF IDAHO

By:   
Name: James Campbell  
Title: Group Vice President, Facilities and Real  
Estate Services

CITIZENS TELECOMMUNICATIONS  
COMPANY OF MONTANA

By:   
Name: James Campbell  
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Estate Services

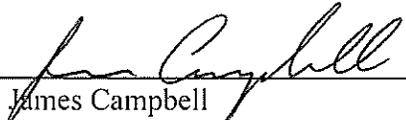
CITIZENS TELECOMMUNICATIONS  
COMPANY OF NEVADA

By:   
Name: James Campbell  
Title: Group Vice President, Facilities and Real  
Estate Services

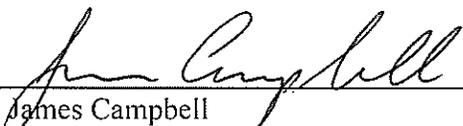
CITIZENS TELECOMMUNICATIONS  
COMPANY OF UTAH

By:   
Name: James Campbell  
Title: Group Vice President, Facilities and Real  
Estate Services

COMMONWEALTH TELEPHONE COMPANY  
LLC

By:   
Name: James Campbell  
Title: Group Vice President, Facilities and Real  
Estate Services

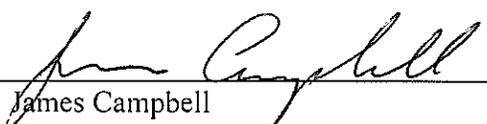
FRONTIER COMMUNICATIONS OF NEW  
YORK, INC.

By:   
Name: James Campbell  
Title: Group Vice President, Facilities and Real  
Estate Services

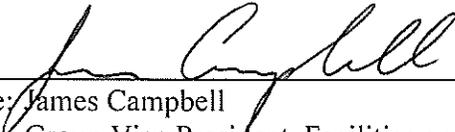
FRONTIER COMMUNICATIONS OF SYLVAN  
LAKE, INC.

By:   
Name: James Campbell  
Title: Group Vice President, Facilities and Real  
Estate Services

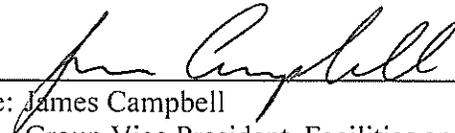
FRONTIER TELEPHONE OF ROCHESTER,  
INC.

By:   
Name: James Campbell  
Title: Group Vice President, Facilities and Real  
Estate Services

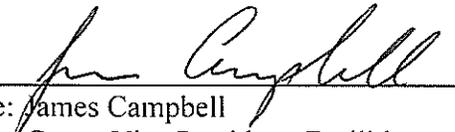
FRONTIER CALIFORNIA INC.

By:   
Name: James Campbell  
Title: Group Vice President, Facilities and Real Estate Services

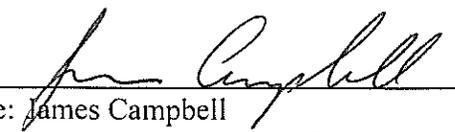
FRONTIER SOUTHWEST INCORPORATED

By:   
Name: James Campbell  
Title: Group Vice President, Facilities and Real Estate Services

FRONTIER COMMUNICATIONS OF GEORGIA,  
INC.

By:   
Name: James Campbell  
Title: Group Vice President, Facilities and Real Estate Services

THE SOUTHERN NEW ENGLAND  
TELEPHONE COMPANY

By:   
Name: James Campbell  
Title: Group Vice President, Facilities and Real Estate Services

FRONTIER COMMUNICATIONS OF  
WISCONSIN LLC

By:   
Name: James Campbell  
Title: Group Vice President, Facilities and Real  
Estate Services

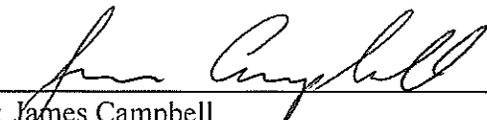
FRONTIER WEST VIRGINIA INC.

By:   
Name: James Campbell  
Title: Group Vice President, Facilities and Real  
Estate Services

FRONTIER COMMUNICATIONS OF THE  
SOUTHWEST INC.

By:   
Name: James Campbell  
Title: Group Vice President, Facilities and Real  
Estate Services

FRONTIER COMMUNICATIONS OF THE  
CAROLINAS INC.

By:   
Name: James Campbell  
Title: Group Vice President, Facilities and Real  
Estate Services

FRONTIER COMMUNICATIONS NORTHWEST  
INC.

By:   
Name: James Campbell  
Title: Group Vice President, Facilities and Real  
Estate Services

IN WITNESS WHEREOF, the Parties have duly executed this Master Assignment of Antenna Users Agreements as of the date first above written.

EIP COMMUNICATIONS I, LLC

By:  \_\_\_\_\_

Name: Matthew C. Neutay

Title: CEO

**Schedule 1**

(Antenna Users Agreements)

[see attached]

EIP Site ID	Frontier Prop ID	Site Name	Street	City	State	Zip	Lat	Lon
701770	441-60103-20216	Andrews Rd Tower (Barry Ave)	107/109 Andrews Road	Wolcott	CT		41.6175	-73.00444444
701789	012-20257-11346	Antelope Mountain	509-900 State Hwy 139	Susanville	CA		40.45361111	-120.57111111
701766	962-51421-91746	BADGER HILL RADIO - BADGER MOUNTAIN	Badger Mountain	Wenatchee	WA		46.23375885	-119.3189516
637566	141-00919-52146	Baker Hill (Fairport)	887 THAYER RD	FAIRPORT	NY	14564	43.03822222	-77.42263889
603611	152-70178-21728	Big Bear Lake CO - GLC 4742-212	560 Bartlett Road	Big Bear Lake	CA	92315	34.24283333	-116.9124722
701790	012-20294-13418	Big Valley	5.5 miles SW of Bieber	Bieber	CA		41.07222222	-121.2225
603610	152-70180-21779	Bishop CO - GLC 4704-029	350 Lagoon Street	Bishop	CA	93514	37.35908333	-118.3970556
701791	012-20257-11390	Black Mountain	4.8 miles SSE of Milford / 444-500 Milford Grade	Milford	CA		40.11666667	-120.3175
529312	086-30053-70453	BLAKESLEE REMOTE - 5510 ROUTE 115	0.3 MILES NW OF I/S SR 115 & SR 940	BLAKESLEE	PA	18347	41.09644444	-75.59544444
701880	964-50189-85389	Blossom Mountain - 1200.B01	3.7 mi S US 2 and Spokane (End of West Ap	Coeur d Alene	ID		47.66166667	-116.9494444
637572	141-00906-79479	Brockport CO	25 Erie Street	Brockport	NY	14420	43.21422222	-77.94
701779	015-25408-10363	Brundage Mountain	10 miles NE of McCall	McCall	ID		45.00166667	-116.135
658052	019-26465-11167	Bullfrog Basin CO	4.9 MI NORTH OF HALLS CROSSING	ESCALANTE	UT	84734	37.54277778	-110.7033333
701767	961-51402-96787	Burlington MS #2	831 Bella Vista Lane	Burlington	WA		48.48333333	-122.3244444
701759	141-00912-79509	Caledonia CO	327 Center Street	Caledonia CO	NY		42.97111111	-77.85416667
658958	962-51453-83064	Camano Island CO - 2550.B02	2 MI ENE	CAMANO	WA	98282	48.18888889	-122.4952718
637567	141-00908-79537	Canandaigua	BLISS RD	CANANDAIGUA	NY	14424	42.86583333	-77.31472222
701814	151-70150-22264	CONEJO CENTRAL OFFICE - 2949 MOORPARK RD	2949 MOORPARK RD	Thousand Oaks	CA		34.219569	-118.86876
701792	152-70217-22983	Conway Summit - GLC 4702-041	N/O Conway Ranch Rd at Conway Summit Remote	Conway Summit	CA		38.0875	-119.1766667
701793	152-70214-23184	Cook Peak - GLC 4864-088	2 mi ESE/O Lake Isabella / Squirrel Rd S & MW Station / 952 Cook Peak Rd	Cook Peak	CA		35.6225	-118.4391667
701756	934-51048-95582	Daggett Pass - 5800.246	2.5 mi East of Stataline / 801 Boulder Court	Stataline	NV		38.96805556	-119.8875
701815	441-60019-74485	Danbury CO - #1 AT&T Mobility	39 West Street	Danbury	CT		41.39277778	-73.45388889
637568	141-00928-79538	Dansville	McNeil Hill Road	Dansville	NY	14437	42.56875	-77.67319444
658046	017-20738-11250	Elko CO	670 Idaho Street	Elko	NV	89801	40.83380556	-115.7611667
701878	152-70199-23011	EXETER SUPPLY - 200 E FIREBAUGH AVE	200 E. Firebaugh Avenue	Exeter	CA		36.28858652	-119.1380436
701760	003-25428-14072	Flatrock	5.3 miles SW of Webb / Minnehaha Rd.	Webb	NY		43.66583333	-75.06277778
701810	934-51050-95673	Gardnerville CO - 5840.238	1520 Church St	Gardnerville	NV		38.94916667	-119.7602778
508674	171-70401-21909	Garland North CO - GLC 5628-008	3618 NORTH STAR RD	GARLAND	TX	75040	32.95083333	-96.65138889
508352	151-70047-23052	Goleta CO	75 Ellwood Station Road	Goleta	CA	93117	34.43108333	-119.8859722
701794	152-70234-23060	Haiwee - GLC 4864-079	6.4 mi S/O Olancha / 1.1 mi S/O HWY395 & Sage Flat Rd	Haiwee	CA		36.19277778	-118.0086111
701795	012-20257-11562	Hamilton Mountain	680-300 Hwy 36	Susanville	CA		40.33805556	-120.8719444
701761	101-00503-01014	Highland Mills (Schunnemunk)	26 Sid Felter Lane	Highland Mills (Schunnemunk)	NY		41.3775	-74.13111111
658066	904-50065-80441	Horsepen Mountain	US 52 HORSEPEN MOUNTAIN	MOUNTAIN VIEW	WV	25608	37.64055556	-81.99305556
701796	012-20593-11506	Inskip Hill	1.5 miles NW of Paynes Creek	Inskip Hill	CA		40.34611111	-121.945
701882	962-51425-88663	Lake Stevens CO	10300 20th Street SE	Lake Stevens	WA	98205	47.97774	-122.09403
701797	012-20233-12959	Likely Mountain	22 miles S of Alturas / 704-590 Southfork Mtn. Road	Alturas	CA		41.155	-120.5636111
701798	152-70210-23211	Little Lake - GLC 4864-078	1 mi S/O Little Lake / .5 mi W/O STHWY 395 & Aqueduct Rd	Inyokern	CA		35.92583333	-117.9130556
603609	152-70222-23217	Lone Pine MS - GLC 4720-036	1303 LONE PINE NARROW GAGE RD	LONE PINE	CA	93545	36.61611111	-118.0422222
701762	121-00521-01027	Long Hill MT / Kent	Route 82 , Long Mountain Ct	Kent	NY		41.49	-73.82111111
701799	152-70227-23271	Mammoth Lakes CO - GLC 4708-023	170039 Pinecrest Ave / 47039 Pinecrest	Mammoth Lakes	CA		37.64833333	-118.9702778
701816	441-60053-74522	Manchester CO	52 E. Center St	Manchester	CT		41.77555556	-72.52055556
658039	015-25408-10352	McCall CO	201 LENORA ST	MC CALL	ID	83638	44.91027778	-116.1
658026	012-20512-14415	Meadowview CO	7850 AMHERST ST	SACRAMENTO	CA	95832	38.47416667	-121.4958333
637574	086-30038-70879	Mehoopany (Forkston Mtn or Fire Tower)	3.5 MILES SW OF TOWN OF MEHOOPANY	MEHOOPANY	PA	18629	41.51263889	-76.06991667
701807	441-60055-74524	MERIDEN #1 CO - 27 BUTLER STREET	27 BUTLER STREET	Meriden	CT		41.537313	-72.806394
701763	003-29925-14201	Middletown	261 Phillipsburg Road	Middletown	NY		41.43111111	-74.35972222
701786	010-20010-12306	Mohave Mountain	11.8 miles NNW of Havasu City	Lake Havasu City	AZ		34.65722222	-114.3455556
639276	010-20013-14131	Mohave Valley CO	3.5 MI NNE OF NEEDLES	BULLHEAD CITY	AZ	86440	34.90083333	-114.5966667
701764	101-00505-01005	Monroe CO	145 North Main Street	Monroe	NY		41.33166667	-74.1875
701874	151-70090-22064	MONTECITO CO - 512 SANTA ANGELA LN	512 SANTA ANGELA LN	Montecito	CA		34.43718338	-119.6340942
701802	012-20595-11512	Morgan Summit	3 miles ENE of Mineral	Morgan Summit	CA		40.35555556	-121.5452778
701808	441-60068-74539	NEW CANAAN CO - 140 MAIN ST	140 Main Street	New Canaan	CT		41.14638991	-73.49170396
701809	441-60070-74541	New Haven #1 CO	310 Orange St	New Haven	CT		41.309169	-72.921766
638284	441-60071-71645	New London CO	26 WASHINGTON STREET	NEW LONDON	CT	6320	41.35386111	-72.09786111
701787	010-20003-11494	North Getz	10.8 miles SW of Kingman / 6375 E. Hualapai Mt Rd	Kingman	AZ		35.11333333	-113.8838889
701813	151-70100-22091	NORWALK CO - 12035 FRONT ST	12035 FRONT ST	Norwalk	CA		33.909147	-118.07666

701771	441-60065-74535	Norwich #1 CO	1 Chestnut St	Norwich	CT		41.52638889	-72.07527778
658049	003-27261-72234	Norwich (Tanner Hill)	3.75 ENE	NORWICH	NY	13815	42.54755556	-75.45205556
603608	151-70103-21572	Ontario - GLC 0203-481	211 W D ST	ONTARIO	CA	91762	34.06666667	-117.6533333
701803	152-70260-23664	Oregon Mtn - GLC 4940-579	2.5 mi SW/O Weaverville	Oregon Mtn	CA		40.71888889	-122.9808333
701804	012-20547-14274	Palo Cedro CO	9415 Deshutes Road	Palo Cedro	CA		40.56083333	-122.2377778
701757	934-51050-95672	Pine Grove - 5840.234	19.8 mi S of Yerington / 10192 Forest Rd	Pine Grove	NV		38.68527778	-119.1847222
701805	152-70179-22899	Poverty Hills - GLC 4704-033	7.8 mi SSE/O Big Pine / 10 mi S/O Tinemaha Rd & STHWY 395	Big Pine	CA		37.05694444	-118.2430556
701806	152-70259-23661	Quartzite #1 - GLC 4402-135	5.7 mi N/O Victorville / 1.4 mi W/O Victorville Quarry Rd & Boulder / 17232 Oro	Quartzite	CA		34.61027778	-117.2880556
701871	012-20234-11590	RAVENDALE REPEATER STATION	3 DOT Ranch, 13.5 NE of Ravendale	Ravendale	CA	96130	40.79414	-120.37139
658025	017-20999-11338	Reno / Keystone	SE CORNER KEYSTONE AVE & 7TH ST	RENO	NV	89503	39.53027778	-119.8311111
701772	441-60082-74554	Ridgefield CO	10 Catoonah St	Ridgefield	CT		41.28166667	-73.49972222
701788	010-20014-13036	Riviera CO	927 Hancock Rd.	Bullhead City	AZ		35.10833333	-114.6163889
701768	152-70227-23568	Sherwin Hill #1 - GLC 4704-032	3 mi SE/O Toms Place / 2 mi E/O Old Sherwin Grade Rd & USHWY 395	Mammoth Lakes	CA		37.54444444	-118.6319444
658050	003-27273-12710	Sidney (Pine Hill)	2.2 MILES SE OF SIDNEY NY	SIDNEY	NY	13849	42.2925	-75.36722222
603627	161-70333-22237	St Petersburg Main CO - GLC 2411B01	831 ARLINGTON AVE	SAINT PETERSBURG	FL	33701	27.77222222	-82.64527778
638283	441-60120-71660	Stamford #1 CO	555 MAIN STREET	STAMFORD	CT	6901	41.05344444	-73.53563889
701758	934-51048-82699	Stateline CO - 5800.235	207 Kingsbury Grade	Stateline	NV		38.9675	-119.9338889
658038	331-00740-00842	Statesboro CO	76 East Grady Street	Statesboro	GA	30458	32.44447222	-81.78105556
658030	012-20258-11568	Stover Mountain	4 Miles WSW of Chester	Chester	CA	96020	40.28377778	-121.3024722
701800	151-70142-22224	SUNLAND CENTRAL OFFICE - 8000 FOOTHILL BLVD	8000 Foothill Boulevard	Sunland	CA		34.06666667	-117.6533333
701769	012-20257-11258	Susanville CO	1010 Main St	Susanville	CA		40.41694444	-120.6572222
556815	973-51038-99513	TRIANGLE OFFICE CO - 3 TW ALEXANDER DR	ALEXANDER RD & DURHAM FWY	MORRISVILLE	NC	27709	35.92225	-78.85944444
701773	441-60099-74573	Unionville CO	82 Lovely St	Unionville	CT		41.76138889	-72.8875
661561	731-00173-00442	Viroqua NE	233 Railroad Avenue	Viroqua	WI	54665	43.561	-90.87830556
701765	101-00509-15857	Walden	29 Overlook Terrace	Walden	NY		41.56777778	-74.2025
637570	141-00901-27936	Warsaw	Oatka Road	Warsaw	NY	14569	42.717	-78.10805556
701774	441-60102-74577	West Hartford #2 CO	125 S Main St	West Hartford	CT		41.75333333	-72.74444444
638281	441-60055-21467	West Peak Tower	WEST PEAK DRIVE	MERIDEN	CT	6451	41.56116667	-72.84413889
638512	441-60115-74590	Wethersfield CO	75 WELLS ROAD	WETHERSFIELD	CT	6109	41.70583333	-72.66341667
701775	441-60098-21497	Wildcat Hill Tower	125 Wildcat Hill Rd	Harwinton	CT		41.75666667	-73.09527778
701776	441-60108-74583	Windsor CO	419 Broad St	Windsor	CT		41.84583333	-72.64611111
701777	441-60105-74580	Windsor Locks CO	20 Spring St	Windsor Locks	CT		41.92972222	-72.62861111
701778	441-60059-20033	Youngs Apple Orchard	62 Youngs Apple Orchard Rd	North Branford	CT		41.42083333	-72.74944444

# Sprint



PROJECT: DO MACRO UPGRADE  
 SITE NAME: N. BRANFORD  
 SITE CASCADE: CT03XC041  
 SITE ADDRESS: 59 YOUNG'S APPLE ORCHARD ROAD  
 NORTH BRANFORD, CT 06472  
 SITE TYPE: SELF SUPPORT TOWER  
 MARKET: SOUTHERN CONNECTICUT

PLANS PREPARED FOR:

6580 Sprint Parkway  
Overland Park, Kansas 66251

PLANS PREPARED BY:

FROM ZERO TO INFINIGY  
the solutions are endless

1033 Watervliet Shaker Rd  
Albany, NY 12205  
Office # (518) 690-0790  
JOB NUMBER 526-102

ENGINEERING LICENSE:

DRAWING NOTICE:  
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REVISIONS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR PERMIT	4/29/19	ASW	5
ISSUED FOR PERMIT	3/22/19	ASW	4
ISSUED FOR PERMIT	2/20/19	ASW	3
ISSUED FOR PERMIT	11/16/18	ASW	2
ISSUED FOR PERMIT	11/5/18	ASW	1
ISSUED FOR PERMIT	12/18/17	ASW	0

SITE NAME:  
**N. BRANFORD**

SITE CASCADE:  
**CT03XC041**

SITE ADDRESS:  
**59 YOUNG'S APPLE ORCHARD RD  
 NORTH BRANFORD, CT 06472**

SHEET DESCRIPTION:  
**TITLE SHEET  
 & PROJECT DATA**

SHEET NUMBER:  
**T-1**

**SITE INFORMATION**

**LAND OWNER:**  
 AT&T (SOUTHERN NEW ENGLAND TELEPHONE COMPANY)  
 870 CAROLINE PINE LANE  
 OVIEDO, FL 32765

**LATITUDE (NAD83):**  
 41° 25' 15.798" N  
 41.421055°

**LONGITUDE (NAD83):**  
 72° 44' 57.6922" W  
 -72.749359°

**COUNTY:**  
 NEW HAVEN

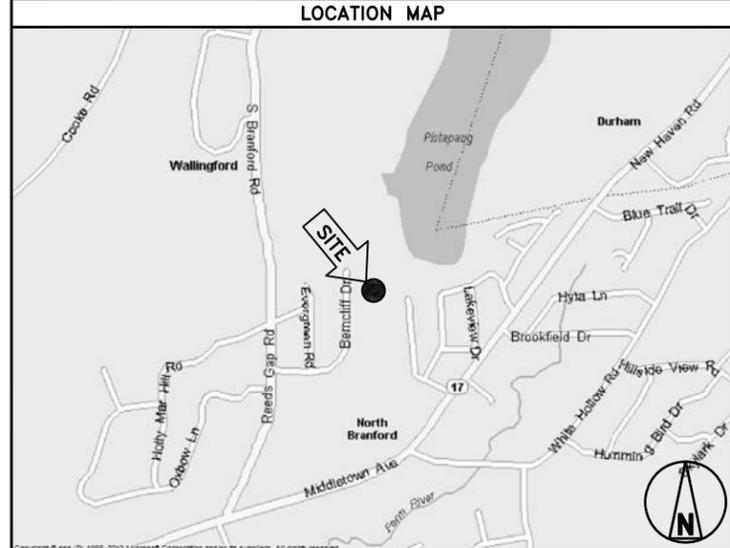
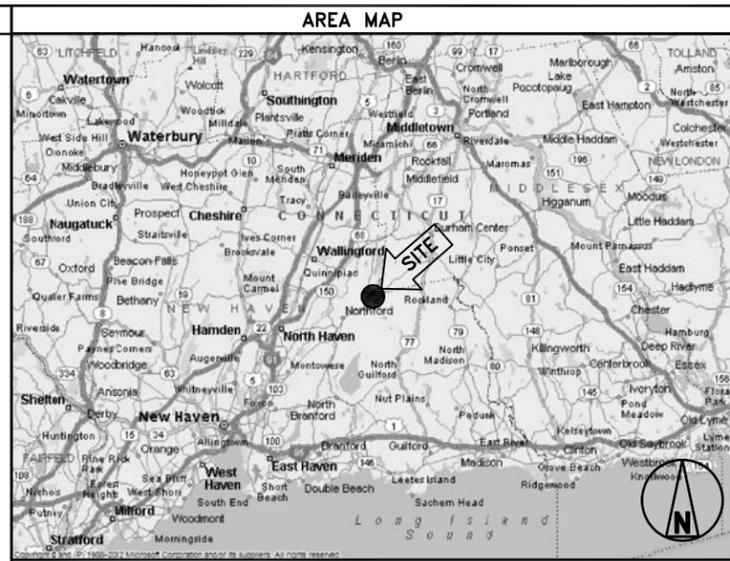
**ZONING JURISDICTION:**  
 TOWN OF NORTH BRANFORD

**ZONING DISTRICT:**  
 R-40

**POWER COMPANY:**  
 CL&P  
 (860) 947-2000

**AAV PROVIDER:**  
 AT&T  
 (800) 288-2020

**SPRINT CM:**  
 JESSE ROSENTHAL  
 (862) 226-9768



**PROJECT DESCRIPTION**

SPRINT PROPOSES TO MODIFY AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY.

- INSTALL 2.5 EQUIPMENT IN EXISTING N.V. MMBS CABINET
- INSTALL (3) 2.5 PANEL ANTENNAS
- INSTALL (6) 2.5/800 RRU'S TO TOWER
- INSTALL (30) JUMPER CABLES
- INSTALL (1) HYBRID CABLE
- INSTALL (4) BATTERIES IN EXISTING BBU CABINET
- REMOVE (1) INACTIVE EXISTING DAMAGED OMNI ANTENNA

THESE PLANS HAVE BEEN DEVELOPED FOR THE MODIFICATION OF AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY OWNED OR LEASED BY SPRINT IN ACCORDANCE WITH THE SCOPE OF WORK PROVIDED BY SPRINT. INFINIGY HAS INCORPORATED THIS SCOPE OF WORK IN THE PLANS. THESE PLANS ARE NOT FOR CONSTRUCTION UNLESS ACCOMPANIED BY A PASSING STRUCTURAL STABILITY ANALYSIS PREPARED BY A LICENSED STRUCTURAL ENGINEER. STRUCTURAL ANALYSIS MUST INCLUDE BOTH TOWER AND MOUNT.

**APPLICABLE CODES**

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALL IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. 2018 CONNECTICUT STATE BUILDING CODE (CSBC)
2. 2015 INTERNATIONAL BUILDING CODE (IBC) W/AMENDMENTS
3. TIA-EIA-222-G OR LATEST EDITION
4. NFPA 780 - LIGHTNING PROTECTION CODE
5. 2011 NATIONAL ELECTRIC CODE OR LATEST EDITION
6. ANY OTHER NATIONAL OR LOCAL APPLICABLE CODES, MOST RECENT EDITIONS
7. LOCAL BUILDING CODE
8. CITY/COUNTY ORDINANCES



THESE OUTLINE SPECIFICATIONS IN CONJUNCTION WITH THE SPRINT STANDARD CONSTRUCTION SPECIFICATIONS, INCLUDING CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.

**SECTION 01 100 – SCOPE OF WORK**

**PART 1 – GENERAL**

- 1.1 THE WORK: THESE STANDARD CONSTRUCTION SPECIFICATIONS IN CONJUNCTION WITH THE SPRINT CONSTRUCTION STANDARDS FOR WIRELESS SITES, CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.
- 1.2 RELATED DOCUMENTS:
  - A. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL SECTIONS IN THIS SPECIFICATION.
  - B. SPRINT "STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES" ARE INCLUDED IN AND MADE A PART OF THESE SPECIFICATIONS HEREWITH.
- 1.3 PRECEDENCE: SHOULD CONFLICTS OCCUR BETWEEN THE STANDARD CONSTRUCTION SPECIFICATIONS FOR WIRELESS SITES INCLUDING THE STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES AND THE CONSTRUCTION DRAWINGS, INFORMATION ON THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE. NOTIFY SPRINT CONSTRUCTION MANAGER IF THIS OCCURS.
- 1.4 NATIONALLY RECOGNIZED CODES AND STANDARDS:
  - A. THE WORK SHALL COMPLY WITH APPLICABLE NATIONAL AND LOCAL CODES AND STANDARDS, LATEST EDITION, AND PORTIONS THEREOF, INCLUDED BUT NOT LIMITED TO THE FOLLOWING:
    - 1. GR-63-CORE NEBS REQUIREMENTS: PHYSICAL PROTECTION
    - 5. GR-78-CORE GENERIC REQUIREMENTS FOR THE PHYSICAL DESIGN AND MANUFACTURE OF TELECOMMUNICATIONS EQUIPMENT.
    - 3. GR-1089 CORE, ELECTROMAGNETIC COMPATIBILITY AND ELECTRICAL SAFETY –GENERIC CRITERIA FOR NETWORK TELECOMMUNICATIONS EQUIPMENT.
    - 4. NATIONAL FIRE PROTECTION ASSOCIATION CODES AND STANDARDS (NFPA) INCLUDING NFPA 70 (NATIONAL ELECTRICAL CODE – "NEC") AND NFPA 101 (LIFE SAFETY CODE).
    - 5. AMERICAN SOCIETY FOR TESTING OF MATERIALS (ASTM)
    - 6. INSTITUTE OF ELECTRONIC AND ELECTRICAL ENGINEERS (IEEE)
    - 7. AMERICAN CONCRETE INSTITUTE (ACI)
    - 8. AMERICAN WIRE PRODUCERS ASSOCIATION (AWPA)
    - 9. CONCRETE REINFORCING STEEL INSTITUTE (CRSI)
    - 10. AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO)
    - 11. PORTLAND CEMENT ASSOCIATION (PCA)
    - 12. NATIONAL CONCRETE MASONRY ASSOCIATION (NCMA)
    - 13. BRICK INDUSTRY ASSOCIATION (BIA)
    - 14. AMERICAN WELDING SOCIETY (AWS)
    - 15. NATIONAL ROOFING CONTRACTORS ASSOCIATION (NRCA)
    - 16. SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION (SMACNA)
    - 17. DOOR AND HARDWARE INSTITUTE (DHI)
    - 18. OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)
    - 19. APPLICABLE BUILDING CODES INCLUDING UNIFORM BUILDING CODE, SOUTHERN BUILDING CODE, BOCA, AND THE INTERNATIONAL BUILDING CODE.
- 1.5 DEFINITIONS:
  - A. WORK: THE SUM OF TASKS AND RESPONSIBILITIES IDENTIFIED IN THE CONTRACT DOCUMENTS.
  - B. COMPANY: SPRINT CORPORATION
  - C. ENGINEER: SYNONYMOUS WITH ARCHITECT & ENGINEER AND "A&E". THE DESIGN PROFESSIONAL HAVING PROFESSIONAL RESPONSIBILITY FOR DESIGN OF THE PROJECT.
  - D. CONTRACTOR: CONSTRUCTION CONTRACTOR; CONSTRUCTION VENDOR; INDIVIDUAL OR ENTITY WHO AFTER EXECUTION OF A CONTRACT IS BOUND TO ACCOMPLISH THE WORK.
  - E. THIRD PARTY VENDOR OR AGENCY: A VENDOR OR AGENCY ENGAGED SEPARATELY BY THE COMPANY, A&E, OR CONTRACTOR TO PROVIDE MATERIALS OR TO ACCOMPLISH SPECIFIC TASKS RELATED TO BUT NOT INCLUDED IN THE WORK.
  - F. OFCI: OWNER FURNISHED, CONTRACTOR INSTALLED EQUIPMENT.
  - G. CONSTRUCTION MANAGER – ALL PROJECTS RELATED COMMUNICATION TO FLOW THROUGH SPRINT REPRESENTATIVE IN CHARGE OF PROJECT...

- 1.6 SITE FAMILIARITY: CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE SPRINT CONSTRUCTION MANAGER PRIOR TO THE COMMENCEMENT OF WORK. NO COMPENSATION WILL BE AWARDED BASED ON CLAIM OF LACK OF KNOWLEDGE OR FIELD CONDITIONS.
- 1.7 POINT OF CONTACT: COMMUNICATION BETWEEN SPRINT AND THE CONTRACTOR SHALL FLOW THROUGH THE SINGLE SPRINT CONSTRUCTION MANAGER APPOINTED TO MANAGE THE PROJECT FOR SPRINT.
- 1.8 ON-SITE SUPERVISION: THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL EMPLOY A COMPETENT SUPERINTENDENT WHO SHALL BE IN ATTENDANCE AT THE SITE AT ALL TIMES DURING PERFORMANCE OF THE WORK.
- 1.9 DRAWINGS, SPECIFICATIONS AND DETAILS REQUIRED AT JOBSITE: THE CONSTRUCTION CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS, STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES AND THE STANDARD CONSTRUCTION SPECIFICATIONS FOR WIRELESS SITES AT THE JOBSITE FROM MOBILIZATION THROUGH CONSTRUCTION COMPLETION.
  - A. THE JOBSITE DRAWINGS, SPECIFICATIONS AND DETAILS SHALL BE CLEARLY MARKED DAILY IN RED PENCIL WITH ANY CHANGES IN CONSTRUCTION OVER WHAT IS DEPICTED IN THE DOCUMENTS. AT CONSTRUCTION COMPLETION, THIS JOBSITE MARKUP SET SHALL BE DELIVERED TO THE COMPANY OR COMPANY'S DESIGNATED REPRESENTATIVE TO BE FORWARDED TO THE COMPANY'S A&E VENDOR FOR PRODUCTION OF "AS-BUILT" DRAWINGS.
  - B. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK. CONTRACTOR SHALL NOTIFY SPRINT CONSTRUCTION MANAGER OF ANY VARIATIONS PRIOR TO PROCEEDING WITH THE WORK.
  - C. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS NOTED OTHERWISE. SPACING BETWEEN EQUIPMENT IS THE REQUIRED CLEARANCE. SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS AND/OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE SPRINT CONSTRUCTION MANAGER PRIOR TO PROCEEDING WITH THE WORK.
- 1.10 USE OF JOB SITE: THE CONTRACTOR SHALL CONFINE ALL CONSTRUCTION AND RELATED OPERATIONS INCLUDING STAGING AND STORAGE OF MATERIALS AND EQUIPMENT, PARKING, TEMPORARY FACILITIES, AND WASTE STORAGE TO THE LEASE PARCEL UNLESS OTHERWISE PERMITTED BY THE CONTRACT DOCUMENTS.
- 1.11 UTILITIES SERVICES: WHERE NECESSARY TO CUT EXISTING PIPES, ELECTRICAL WIRES, CONDUITS, CABLES, ETC., OF UTILITY SERVICES, OR OF FIRE PROTECTION OR COMMUNICATIONS SYSTEMS, THEY SHALL BE CUT AND CAPPED AT SUITABLE PLACES OR WHERE SHOWN. ALL SUCH ACTIONS SHALL BE COORDINATED WITH THE UTILITY COMPANY INVOLVED:
- 1.12 PERMITS / FEES: WHEN REQUIRED THAT A PERMIT OR CONNECTION FEE BE PAID TO A PUBLIC UTILITY PROVIDER FOR NEW SERVICE TO THE CONSTRUCTION PROJECT, PAYMENT OF SUCH FEE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 1.13 CONTRACTOR SHALL TAKE ALL MEASURES AND PROVIDE ALL MATERIAL NECESSARY FOR PROTECTING EXISTING EQUIPMENT AND PROPERTY.
- 1.14 METHODS OF PROCEDURE (MOPS) FOR CONSTRUCTION: CONTRACTOR SHALL PERFORM WORK AS DESCRIBED IN THE FOLLOWING INSTALLATION AND COMMISSIONING MOPS.
 

NOTE: IN SHORT-FORM SPECIFICATIONS ON THE DRAWINGS, A/E TO INSERT LIST OF APPLICABLE MOPS INCLUDING EN-2012-001, EN-2013-002, EL-0568, AND TS-0193
- 1.15 USE OF ELECTRONIC PROJECT MANAGEMENT SYSTEMS:

**PART 2 – PRODUCTS (NOT USED)**

**PART 3 – EXECUTION**

- 3.1 TEMPORARY UTILITIES AND FACILITIES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY UTILITIES AND FACILITIES NECESSARY EXCEPT AS OTHERWISE INDICATED IN THE CONSTRUCTION DOCUMENTS. TEMPORARY UTILITIES AND FACILITIES INCLUDE POTABLE WATER, HEAT, HVAC, ELECTRICITY, SANITARY FACILITIES, WASTE DISPOSAL FACILITIES, AND TELEPHONE/COMMUNICATION SERVICES. PROVIDE TEMPORARY UTILITIES AND FACILITIES IN ACCORDANCE WITH OSHA AND THE AUTHORITY HAVING JURISDICTION. CONTRACTOR MAY UTILIZE THE COMPANY ELECTRICAL SERVICE IN THE COMPLETION OF THE WORK WHEN IT BECOMES AVAILABLE. USE OF THE LESSORS OR SITE OWNER'S UTILITIES OR FACILITIES IS EXPRESSLY FORBIDDEN EXCEPT AS OTHERWISE ALLOWED IN THE CONTRACT DOCUMENTS.
- 3.2 ACCESS TO WORK: THE CONTRACTOR SHALL PROVIDE ACCESS TO THE JOB SITE FOR AUTHORIZED COMPANY PERSONNEL AND AUTHORIZED REPRESENTATIVES OF THE ARCHITECT/ENGINEER DURING ALL PHASES OF THE WORK.
- 3.3 TESTING: REQUIREMENTS FOR TESTING BY THIS CONTRACTOR SHALL BE AS INDICATED HEREWITH, ON THE CONSTRUCTION DRAWINGS, AND IN THE INDIVIDUAL SECTIONS OF THESE SPECIFICATIONS. SHOULD COMPANY CHOOSE TO ENGAGE ANY THIRD-PARTY TO CONDUCT ADDITIONAL TESTING, THE CONTRACTOR SHALL COOPERATE WITH AND PROVIDE A WORK AREA FOR COMPANY'S TEST AGENCY.
- 3.4 DIMENSIONS: VERIFY DIMENSIONS INDICATED ON DRAWINGS WITH FIELD DIMENSIONS BEFORE FABRICATION OR ORDERING OF MATERIALS. DO NOT SCALE DRAWINGS.

3.5 EXISTING CONDITIONS: NOTIFY THE SPRINT CONSTRUCTION MANAGER OF EXISTING CONDITIONS DIFFERING FROM THOSE INDICATED ON THE DRAWINGS. DO NOT REMOVE OR ALTER STRUCTURAL COMPONENTS WITHOUT PRIOR WRITTEN APPROVAL FROM THE ARCHITECT AND ENGINEER.

**SECTION 01 200 – COMPANY FURNISHED MATERIAL AND EQUIPMENT**

**PART 1 – GENERAL**

- 1.1 THE WORK: THESE STANDARD CONSTRUCTION SPECIFICATIONS IN CONJUNCTION WITH THE OTHER CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.
- 1.2 RELATED DOCUMENTS:
  - A. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL SECTIONS IN THIS SPECIFICATION.
  - B. SPRINT "STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES" ARE INCLUDED IN AND MADE A PART OF THESE SPECIFICATIONS HEREWITH.

**PART 2 – PRODUCTS (NOT USED)**

**PART 3 – EXECUTION**

- 3.1 RECEIPT OF MATERIAL AND EQUIPMENT:
  - A. A COMPANY FURNISHED MATERIAL AND EQUIPMENT IS IDENTIFIED ON THE RF DATA SHEET IN THE CONSTRUCTION DOCUMENTS.
  - B. THE CONTRACTOR IS RESPONSIBLE FOR SPRINT PROVIDED MATERIAL AND EQUIPMENT AND UPON RECEIPT SHALL:
    - 1. ACCEPT DELIVERIES AS SHIPPED AND TAKE RECEIPT.
    - 2. VERIFY COMPLETENESS AND CONDITION OF ALL DELIVERIES.
    - 3. TAKE RESPONSIBILITY FOR EQUIPMENT AND PROVIDE INSURANCE PROTECTION AS REQUIRED IN AGREEMENT.
    - 4. RECORD ANY DEFECTS OR DAMAGES AND WITHIN TWENTY-FOUR HOURS AFTER RECEIPT, REPORT TO SPRINT OR ITS DESIGNATED PROJECT REPRESENTATIVE OF SUCH.
    - 5. PROVIDE SECURE AND NECESSARY WEATHER PROTECTED WAREHOUSING.
    - 6. COORDINATE SAFE AND SECURE TRANSPORTATION OF MATERIAL AND EQUIPMENT, DELIVERING AND OFF-LOADING FROM CONTRACTOR'S WAREHOUSE TO SITE.
- 3.2 DELIVERABLES:
  - A. COMPLETE SHIPPING AND RECEIPT DOCUMENTATION IN ACCORDANCE WITH COMPANY PRACTICE.
  - B. IF APPLICABLE, COMPLETE LOST/STOLEN/DAMAGED DOCUMENTATION REPORT AS NECESSARY IN ACCORDANCE WITH COMPANY PRACTICE, AND AS DIRECTED BY COMPANY.
  - C. UPLOAD DOCUMENTATION INTO SPRINT SITE MANAGEMENT SYSTEM (SMS) AND/OR PROVIDE HARD COPY DOCUMENTATION AS REQUESTED.

**SECTION 01 300 – CELL SITE CONSTRUCTION CO.**

**PART 1 – GENERAL**

- 1.1 THE WORK: THESE STANDARD CONSTRUCTION SPECIFICATIONS IN CONJUNCTION WITH THE OTHER CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.
- 1.2 RELATED DOCUMENTS:
  - A. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL SECTIONS IN THIS SPECIFICATION.
  - B. SPRINT "STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES" ARE INCLUDED IN AND MADE A PART OF THESE SPECIFICATIONS HEREWITH.
- 1.3 NOTICE TO PROCEED
  - A. NO WORK SHALL COMMENCE PRIOR TO COMPANY'S WRITTEN NOTICE TO PROCEED AND THE ISSUANCE OF THE WORK ORDER.
  - B. UPON RECEIVING NOTICE TO PROCEED, CONTRACTOR SHALL FULLY PERFORM ALL WORK NECESSARY TO PROVIDE SPRINT WITH AN OPERATIONAL WIRELESS FACILITY.

**PART 2 – PRODUCTS (NOT USED)**

**PART 3 – EXECUTION**

- 3.1 FUNCTIONAL REQUIREMENTS:
  - A. THE ACTIVITIES DESCRIBED IN THIS PARAGRAPH REPRESENT MINIMUM ACTIONS AND PROCESSES REQUIRED TO SUCCESSFULLY COMPLETE THE WORK. THE ACTIVITIES DESCRIBED ARE NOT EXHAUSTIVE, AND CONTRACTOR SHALL TAKE ANY AND ALL ACTIONS AS NECESSARY TO SUCCESSFULLY COMPLETE THE CONSTRUCTION OF A FULLY FUNCTIONING WIRELESS FACILITY AT THE SITE IN ACCORDANCE WITH COMPANY PROCESSES.
  - B. SUBMIT SPECIFIC DOCUMENTATION AS INDICATED HEREIN, AND OBTAIN REQUIRED APPROVALS WHILE THE WORK IS BEING PERFORMED.
  - C. MANAGE AND CONDUCT ALL FIELD CONSTRUCTION SERVICE RELATED ACTIVITIES
  - D. PROVIDE CONSTRUCTION ACTIVITIES TO THE EXTENT REQUIRED BY THE CONTRACT DOCUMENTS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

PLANS PREPARED FOR:



6580 Sprint Parkway  
Overland Park, Kansas 66251

PLANS PREPARED BY:



FROM ZERO TO INFINIGY  
the solutions are endless

1033 Watervliet Shaker Rd  
Albany, NY 12205  
Office # (518) 690-0790  
JOB NUMBER 526-102



ENGINEERING LICENSE:



04/29/2019

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ISSUED FOR PERMIT	2/20/19	ASW	3
ISSUED FOR PERMIT	11/16/18	ASW	2
ISSUED FOR PERMIT	11/5/18	ASW	1
ISSUED FOR PERMIT	12/18/17	ASW	0

SITE NAME:

**N. BRANFORD**

SITE CASCADE:

**CT03XC041**

SITE ADDRESS:

**59 YOUNG'S APPLE ORCHARD RD  
NORTH BRANFORD, CT 06472**

SHEET DESCRIPTION:

**SPRINT SPECIFICATIONS**

SHEET NUMBER:

**SP-1**

CONTINUE FROM SP-1

1. PERFORM ANY REQUIRED SITE ENVIRONMENTAL MITIGATION.
2. PREPARE GROUND SITES; PROVIDE DE-GRUBBING; AND ROUGH AND FINAL GRADING, AND COMPOUND SURFACE TREATMENTS.
3. MANAGE AND CONDUCT ALL ACTIVITIES FOR INSTALLATION OF UTILITIES INCLUDING ELECTRICAL AND TELCO BACKHAUL.
4. INSTALL UNDERGROUND FACILITIES INCLUDING UNDERGROUND POWER AND COMMUNICATIONS CONDUITS, AND UNDERGROUND GROUNDING SYSTEM.
5. INSTALL ABOVE GROUND GROUNDING SYSTEMS.
6. PROVIDE NEW HVAC INSTALLATIONS AND MODIFICATIONS.
7. INSTALL "H-FRAMES", CABINETS AND SHELTERS AS INDICATED.
8. INSTALL ROADS, ACCESS WAYS, CURBS AND DRAINS AS INDICATED.
9. ACCOMPLISH REQUIRED MODIFICATION OF EXISTING FACILITIES.
10. PROVIDE ANTENNA SUPPORT STRUCTURE FOUNDATIONS.
11. PROVIDE SLABS AND EQUIPMENT PLATFORMS.
12. INSTALL COMPOUND FENCING, SIGHT SHIELDING, LANDSCAPING AND ACCESS BARRIERS.
13. PERFORM INSPECTION AND MATERIAL TESTING AS REQUIRED HEREINAFTER.
14. CONDUCT SITE RESISTANCE TO EARTH TESTING AS REQUIRED HEREINAFTER
15. INSTALL FIXED GENERATOR SETS AND OTHER STANDBY POWER SOLUTIONS.
16. INSTALL TOWERS, ANTENNA SUPPORT STRUCTURES AND PLATFORMS ON EXISTING TOWERS AS REQUIRED.
17. INSTALL CELL SITE RADIOS, MICROWAVE, GPS, COAXIAL MAINLINE, ANTENNAS, CROSS BAND COUPLERS, TOWER TOP AMPLIFIERS, LOW NOISE AMPLIFIERS AND RELATED EQUIPMENT.
18. PERFORM, DOCUMENT, AND CLOSE OUT ANY CONSTRUCTION CONTROL DOCUMENTS THAT MAY BE REQUIRED BY GOVERNMENT AGENCIES AND LANDLORDS.
19. PERFORM ANTENNA AND COAX SWEEP TESTING AND MAKE ANY AND ALL NECESSARY CORRECTIONS.
20. REMAIN ON SITE MOBILIZED THROUGHOUT HAND-OFF AND INTEGRATION TO ASSIST AS NEEDED UNTIL SITE IS DEEMED SUBSTANTIALLY COMPLETE AND PLACED "ON AIR."

3.2 GENERAL REQUIREMENTS FOR CIVIL CONSTRUCTION:

- A. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH. AT THE COMPLETION OF THE WORK, CONTRACTOR SHALL REMOVE FROM THE SITE ALL REMAINING RUBBISH, IMPLEMENTS, TEMPORARY FACILITIES, AND SURPLUS MATERIALS.
- B. EQUIPMENT ROOMS SHALL AT ALL TIMES BE MAINTAINED "BROOM CLEAN" AND CLEAR OF DEBRIS.
- C. CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO DISCOVER AND LOCATE ANY HAZARDOUS CONDITION.
  1. IN THE EVENT CONTRACTOR ENCOUNTERS ANY HAZARDOUS CONDITION WHICH HAS NOT BEEN ABATED OR OTHERWISE MITIGATED, CONTRACTOR AND ALL OTHER PERSONS SHALL IMMEDIATELY STOP WORK IN THE AFFECTED AREA AND NOTIFY COMPANY IN WRITING. THE WORK IN THE AFFECTED AREA SHALL NOT BE RESUMED EXCEPT BY WRITTEN NOTIFICATION BY COMPANY.
  2. CONTRACTOR AGREES TO USE CARE WHILE ON THE SITE AND SHALL NOT TAKE ANY ACTION THAT WILL OR MAY RESULT IN OR CAUSE THE HAZARDOUS CONDITION TO BE FURTHER RELEASED IN THE ENVIRONMENT, OR TO FURTHER EXPOSE INDIVIDUALS TO THE HAZARD.

D. CONTRACTOR'S ACTIVITIES SHALL BE RESTRICTED TO THE PROJECT LIMITS. SHOULD AREAS OUTSIDE THE PROJECT LIMITS BE AFFECTED BY CONTRACTOR'S ACTIVITIES, CONTRACTOR SHALL IMMEDIATELY RETURN THEM TO ORIGINAL CONDITION

E. CONDUCT TESTING AS REQUIRED HEREIN.

3.3 DELIVERABLES:

- A. CONTRACTOR SHALL REVIEW, APPROVE, AND SUBMIT TO SPRINT SHOP DRAWINGS, PRODUCT DATA, SAMPLES, AND SIMILAR SUBMITTALS AS REQUIRED HEREINAFTER
- B. PROVIDE DOCUMENTATION INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING. DOCUMENTATION SHALL BE FORWARDED IN ORIGINAL FORMAT AND/OR UPLOADED INTO SMS.
  1. ALL CORRESPONDENCE AND PRELIMINARY CONSTRUCTION REPORTS.
  2. PROJECT PROGRESS REPORTS.
  3. CIVIL CONSTRUCTION START DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
  4. ELECTRICAL SERVICE COMPLETION DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).

5. LINES AND ANTENNA INSTALL DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
6. POWER INSTALL DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
7. TELCO READY DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
8. PPC (OR SHELTER) INSTALL DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
9. TOWER CONSTRUCTION START DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
10. TOWER CONSTRUCTION COMPLETE DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
11. BTS AND RADIO EQUIPMENT DELIVERED AT SITE DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
12. NETWORK OPERATIONS HANDOFF CHECKLIST (HOC WALK) COMPLETE (UPLOAD FORM IN SMS)
13. CIVIL CONSTRUCTION COMPLETE DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
14. SITE CONSTRUCTION PROGRESS PHOTOS UNLOADED INTO SMS.

SECTION 01 400 - SUBMITTALS & TESTS

PART 1 - GENERAL

1.1 THE WORK: THESE STANDARD CONSTRUCTION SPECIFICATIONS IN CONJUNCTION WITH THE OTHER CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.

1.2 RELATED DOCUMENTS:

- A. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL SECTIONS IN THIS SPECIFICATION.
- B. SPRINT 'STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES' ARE INCLUDED IN AND MADE A PART OF THESE SPECIFICATIONS HERewith.

1.3 SUBMITTALS:

- A. THE WORK IN ALL ASPECTS SHALL COMPLY WITH THE CONSTRUCTION DRAWINGS AND THESE SPECIFICATIONS.
- B. SUBMIT THE FOLLOWING TO COMPANY REPRESENTATIVE FOR APPROVAL.
  1. CONCRETE MIX-DESIGNS FOR TOWER FOUNDATIONS, ANCHORS PIERS, AND CONCRETE PAVING.
  2. CONCRETE BREAK TESTS AS SPECIFIED HEREIN.
  3. SPECIAL FINISHES FOR INTERIOR SPACES, IF ANY.
  4. ALL EQUIPMENT AND MATERIALS SO IDENTIFIED ON THE CONSTRUCTION DRAWINGS.
  5. CHEMICAL GROUNDING DESIGN
- D. ALTERNATES: AT THE COMPANY'S REQUEST, ANY ALTERNATIVES TO THE MATERIALS OR METHODS SPECIFIED SHALL BE SUBMITTED TO SPRINT'S CONSTRUCTION MANAGER FOR APPROVAL PRIOR TO BEING SHIPPED TO SITE. SPRINT WILL REVIEW AND APPROVE ONLY THOSE REQUESTS MADE IN WRITING. NO VERBAL APPROVALS WILL BE CONSIDERED. SUBMITTAL FOR APPROVAL SHALL INCLUDE A STATEMENT OF COST REDUCTION PROPOSED FOR USE OF ALTERNATE PRODUCT.

1.4 TESTS AND INSPECTIONS:

- A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION TESTS, INSPECTIONS AND PROJECT DOCUMENTATION.
- B. CONTRACTOR SHALL ACCOMPLISH TESTING INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
  1. COAX SWEEPS AND FIBER TESTS PER TS-0200 REV 4 ANTENNA LINE ACCEPTANCE STANDARDS.
  2. AGL, AZIMUTH AND DOWNTILT USING ELECTRONIC COMMERCIAL MADE-FOR-THE-PURPOSE ANTENNA ALIGNMENT TOOL.
  3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CORRECTIONS TO ANY WORK IDENTIFIED AS UNACCEPTABLE IN SITE INSPECTION ACTIVITIES AND/OR AS A RESULT OF TESTING.
- C. REQUIRED CLOSEOUT DOCUMENTATION INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:
  1. AZIMUTH, DOWNTILT, AGL - UPLOAD REPORT FROM ANTENNA ALIGNMENT TOOL TO SITERRA TASK 465. INSTALLED AZIMUTH, DOWNTILT, AND AGL MUST CONFORM TO THE RF DATA SHEETS. SWEEP AND FIBER TESTS
  2. SCANABLE BARCODE PHOTOGRAPHS OF TOWER TOP AND INACCESSIBLE EQUIPMENT
  3. ALL AVAILABLE JURISDICTIONAL INFORMATION
  4. PDF SCAN OF REDLINES PRODUCED IN FIELD

5. ELECTRONIC AS-BUILT DRAWINGS IN AUTOCAD AND PDF FORMATS. ANY FIELD CHANGE MUST BE REFLECTED BY MODIFYING THE PLANS, ELEVATIONS, AND DETAILS IN THE DRAWING SETS. GENERAL NOTES INDICATING MODIFICATIONS WILL NOT BE ACCEPTED. CHANGES SHALL BE HIGHLIGHTED AS "CLOUDS" IDENTIFIED AS THE "AS-BUILT" CONDITION.
6. LIEN WAIVERS
7. FINAL PAYMENT APPLICATION
8. REQUIRED FINAL CONSTRUCTION PHOTOS
9. CONSTRUCTION AND COMMISSIONING CHECKLIST COMPLETE WITH NO DEFICIENT ITEMS
10. ALL POST NTP TASKS INCLUDING DOCUMENT UPLOADS COMPLETED IN SITERRA (SPRINTS DOCUMENT REPOSITORY OF RECORD).

1.5 COMMISSIONING: PERFORM ALL COMMISSIONING AS REQUIRED BY APPLICABLE MOPs

1.6 INTEGRATION: PERFORM ALL INTEGRATION ACTIVITIES AS REQUIRED BY APPLICABLE MOPs

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.1 REQUIREMENTS FOR TESTING:

A. THIRD PARTY TESTING AGENCY:

1. WHEN THE USE OF A THIRD PARTY INDEPENDENT TESTING AGENCY IS REQUIRED, THE AGENCY THAT IS SELECTED MUST PERFORM SUCH WORK ON A REGULAR BASIS IN THE STATE WHERE THE PROJECT IS LOCATED AND HAVE A THOROUGH UNDERSTANDING OF LOCAL AVAILABLE MATERIALS, INCLUDING THE SOIL, ROCK, AND GROUNDWATER CONDITIONS.
2. THE THIRD PARTY TESTING AGENCY IS TO BE FAMILIAR WITH THE APPLICABLE REQUIREMENTS FOR THE TESTS TO BE DONE, EQUIPMENT TO BE USED, AND ASSOCIATED HEALTH AND SAFETY ISSUES.
3. EXPERIENCE IN SOILS, CONCRETE, MASONRY, AGGREGATE, AND ASPHALT TESTING USING ASTM, AASJTO, AND OTHER METHODS IS NEEDED.
4. EXPERIENCE IN SOILS, CONCRETE, MASONRY, AGGREGATE, AND ASPHALT TESTING USING ASTM, AASJTO, AND OTHER METHODS IS NEEDED.

3.2 REQUIRED TESTS:

- A. CONTRACTOR SHALL ACCOMPLISH TESTING INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
  1. CONCRETE CYLINDER BREAK TESTS FOR THE TOWER AND ANCHOR FOUNDATIONS AS SPECIFIED IN SECTION: PORTLAND CEMENT CONCRETE PAVING.
  2. ASPHALT ROADWAY COMPACTED THICKNESS, SURFACE SMOOTHNESS, AND COMPACTED DENSITY TESTING AS SPECIFIED IN SECTION: HOT MIX ASPHALT PAVING.
  3. FIELD QUALITY CONTROL TESTING AS SPECIFIED IN SECTION: PORTLAND CEMENT CONCRETE PAVING.
  4. TESTING REQUIRED UNDER SECTION: AGGREGATE BASE FOR ACCESS ROADS, PADS AND ANCHOR LOCATIONS
  5. STRUCTURAL BACKFILL COMPACTION TESTS FOR THE TOWER FOUNDATION.
  6. SITE RESISTANCE TO EARTH TESTING PER EXHIBIT: CELL SITE GROUNDING SYSTEM DESIGN.
  7. ANTENNA AND COAX SWEEP TESTS PER EXHIBIT: ANTENNA TRANSMISSION LINE ACCEPTANCE STANDARDS.
  8. GROUNDING AT ANTENNA MASTS FOR GPS AND ANTENNAS
  9. ALL OTHER TESTS REQUIRED BY COMPANY OR JURISDICTION.

3.3 REQUIRED INSPECTIONS

- A. SCHEDULE INSPECTIONS WITH COMPANY REPRESENTATIVE.
- B. CONDUCT INSPECTIONS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
  1. GROUNDING SYSTEM INSTALLATION PRIOR TO EARTH CONCEALMENT DOCUMENTED WITH DIGITAL PHOTOGRAPHS BY CONTRACTOR, APPROVED BY A&E OR SPRINT REPRESENTATIVE.
  2. FORMING FOR CONCRETE AND REBAR PLACEMENT PRIOR TO POUR DOCUMENTED WITH DIGITAL PHOTOGRAPHS BY CONTRACTOR, APPROVED BY A&E OR SPRINT REPRESENTATIVE.
  3. COMPACTION OF BACKFILL MATERIALS; AGGREGATE BASE FOR ROADS, PADS, AND ANCHORS; ASPHALT PAVING; AND SHAFT BACKFILL FOR CONCRETE AND WOOD POLES, BY INDEPENDENT THIRD PARTY AGENCY.
  4. PRE- AND POST-CONSTRUCTION ROOFTOP AND STRUCTURAL INSPECTIONS ON EXISTING FACILITIES.
  5. TOWER ERECTION SECTION STACKING AND PLATFORM ATTACHMENT DOCUMENTED BY DIGITAL PHOTOGRAPHS BY THIRD PARTY AGENCY.
  6. ANTENNA AZIMUTH, DOWN TILT AND PER SUNLIGHT TOOL SUNSIGHT INSTRUMENTS - ANTENNA ALIGNMENT TOOL (AAT)

PLANS PREPARED FOR:



PLANS PREPARED BY:



ENGINEERING LICENSE:



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ISSUED FOR PERMIT	12/18/17	ASW	0

SITE NAME:

N. BRANFORD

SITE CASCADE:

CT03XC041

SITE ADDRESS:

59 YOUNG'S APPLE ORCHARD RD  
NORTH BRANFORD, CT 06472

SHEET DESCRIPTION:

SPRINT SPECIFICATIONS

SHEET NUMBER:

SP-2

CONTINUE FROM SP-2

7. VERIFICATION DOCUMENTED WITH THE ANTENNA CHECKLIST REPORT, BY A&E, SITE DEVELOPMENT REP, OR RF REP.
  8. FINAL INSPECTION CHECKLIST AND HANDOFF WALK (HOC.). SIGNED FORM SHOWING ACCEPTANCE BY FIELD OPS IS TO BE UPLOADED INTO SMS.
  9. COAX SWEEP AND FIBER TESTING DOCUMENTS SUBMITTED VIA SMS FOR RF APPROVAL.
  10. SCAN-ABLE BARCODE PHOTOGRAPHS OF TOWER TOP AND INACCESSIBLE SERIALIZED EQUIPMENT
  11. ALL AVAILABLE JURISDICTIONAL INFORMATION
  12. PDF SCAN OF REDLINES PRODUCED IN FIELD
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CORRECTIONS TO ANY WORK IDENTIFIED AS UNACCEPTABLE IN SITE INSPECTION ACTIVITIES AND/OR AS A RESULT OF TESTING.
- D. CONSTRUCTION INSPECTIONS AND CORRECTIVE MEASURES SHALL BE DOCUMENTED BY THE CONTRACTOR WITH WRITTEN REPORTS AND PHOTOGRAPHS. PHOTOGRAPHS MUST BE DIGITAL AND OF SUFFICIENT QUALITY TO CLEARLY SHOW THE SITE CONSTRUCTION. PHOTOGRAPHS MUST CLEARLY IDENTIFY THE PHOTOGRAPHED ITEM AND BE LABELED WITH THE SITE CASCADE NUMBER, SITE NAME, DESCRIPTION, AND DATE.
- 3.4 DELIVERABLES: TEST AND INSPECTION REPORTS AND CLOSEOUT DOCUMENTATION SHALL BE UPLOADED TO THE SMS AND/OR FORWARDED TO SPRINT FOR INCLUSION INTO THE PERMANENT SITE FILES.
- A. THE FOLLOWING TEST AND INSPECTION REPORTS SHALL BE PROVIDED AS APPLICABLE.
1. CONCRETE MIX AND CYLINDER BREAK REPORTS.
  2. STRUCTURAL BACKFILL COMPACTION REPORTS.
  3. SITE RESISTANCE TO EARTH TEST.
  4. ANTENNA AZIMUTH AND DOWN TILT VERIFICATION
  5. TOWER ERECTION INSPECTIONS AND MEASUREMENTS DOCUMENTING TOWER INSTALLED PER SUPPLIER'S REQUIREMENTS AND THE APPLICABLE SECTIONS HEREIN.
  6. COAX CABLE SWEEP TESTS PER COMPANY'S "ANTENNA LINE ACCEPTANCE STANDARDS".
- B. REQUIRED CLOSEOUT DOCUMENTATION INCLUDES THE FOLLOWING;
1. TEST WELLS AND TRENCHES: PHOTOGRAPHS OF ALL TEST WELLS; PHOTOGRAPHS SHOWING ALL OPEN EXCAVATIONS AND TRENCHING PRIOR TO BACKFILLING SHOWING A TAPE MEASURE VISIBLE IN THE EXCAVATIONS INDICATING DEPTH.
  2. CONDUITS, CONDUCTORS AND GROUNDING: PHOTOGRAPHS SHOWING TYPICAL INSTALLATION OF CONDUCTORS AND CONNECTORS; PHOTOGRAPHS SHOWING TYPICAL BEND RADIUS OF INSTALLED GROUND WIRES AND GROUND ROD SPACING;
  3. CONCRETE FORMS AND REINFORCING: CONCRETE FORMING AT TOWER AND EQUIPMENT/SHELTER PAD/FOUNDATIONS - PHOTOGRAPHS SHOWING ALL REINFORCING STEEL, UTILITY AND CONDUIT STUB OUTS; PHOTOGRAPHS SHOWING CONCRETE POUR OF SHELTER SLAB/FOUNDATION, TOWER FOUNDATION AND GUY ANCHORS WITH VIBRATOR IN USE; PHOTOGRAPHS SHOWING EACH ANCHOR ON GUYED TOWERS, BEFORE CONCRETE POUR.
  4. TOWER, ANTENNAS AND MAINLINE: INSPECTION AND PHOTOGRAPHS OF SECTION STACKING; INSPECTION AND PHOTOGRAPHS OF PLATFORM COMPONENT ATTACHMENT POINTS; PHOTOGRAPHS OF TOWER TOP GROUNDING; PHOTOS OF TOWER COAX LINE COLOR CODING AT THE TOP AND AT GROUND LEVEL; INSPECTION AND PHOTOGRAPHS OF OPERATIONAL OF TOWER LIGHTING, AND PLACEMENT OF FAA REGISTRATION SIGN; PHOTOGRAPHS SHOWING ADDITIONAL GROUNDING POINTS FOR TOWERS GREATER THAN 200 FEET.; PHOTOS OF ANTENNA GROUND BAR, EQUIPMENT GROUND BAR, AND MASTER GROUND BAR; PHOTOS OF GPS ANTENNA(S); PHOTOS OF EACH SECTOR OF ANTENNAS; ONE PHOTOGRAPH LOOKING AT THE SECTOR AND ONE FROM BEHIND SHOWING THE PROJECTED COVERAGE AREA; PHOTOS OF COAX WEATHERPROOFING - TOP AND BOTTOM; PHOTOS OF COAX GROUNDING--TOP AND BOTTOM; PHOTOS OF ANTENNA AND MAST GROUNDING; PHOTOS OF COAX CABLE ENTRY INTO SHELTER; PHOTOS OF PLATFORM MECHANICAL CONNECTIONS TO TOWER/MONOPOLE.
  5. ROOF TOPS: PRE-CONSTRUCTION AND POST-CONSTRUCTION VISUAL INSPECTION AND PHOTOGRAPHS OF THE ROOF AND INTERIOR TO DETERMINE AND DOCUMENT CONDITIONS; ROOF TOP CONSTRUCTION INSPECTIONS AS REQUIRED BY THE JURISDICTION; PHOTOGRAPHS OF CABLE TRAY AND/OR ICE BRIDGE; PHOTOGRAPHS OF DOGHOUSE/CABLE EXIT FROM ROOF;
  6. SITE LAYOUT - PHOTOGRAPHS OF THE OVERALL COMPOUND, INCLUDING EQUIPMENT PLATFORM FROM ALL FOUR CORNERS.
  7. FINISHED UTILITIES: CLOSE-UP PHOTOGRAPHS OF THE PPC BREAKER PANEL; CLOSE-UP PHOTOGRAPH OF THE INSIDE OF THE TELCO PANEL AND NIU; CLOSE-UP PHOTOGRAPH OF THE POWER METER AND DISCONNECT; PHOTOS OF POWER AND TELCO ENTRANCE TO COMPANY ENCLOSURE; PHOTOGRAPHS AT METER BOX AND/OR FACILITY DISTRIBUTION PANEL.
  8. REQUIRED MATERIALS CERTIFICATIONS: CONCRETE MIX DESIGNS; MILL CERTIFICATION FOR ALL REINFORCING AND STRUCTURAL STEEL; AND ASPHALT PAVING MIX DESIGN.
  9. ANY AND ALL SUBMITTALS BY THE JURISDICTION OR COMPANY.

SECTION 01 400 - SUBMITTALS & TESTS

PART 1 - GENERAL

- 1.1 THE WORK: THESE STANDARD CONSTRUCTION SPECIFICATIONS IN CONJUNCTION WITH THE OTHER CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.
- 1.2 RELATED DOCUMENTS:
  - A. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL SECTIONS IN THIS SPECIFICATION.
  - B. SPRINT "STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES" ARE INCLUDED IN AND MADE A PART OF THESE SPECIFICATIONS HEREWITH.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

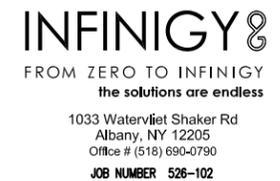
- 3.1 WEEKLY REPORTS:
  - A. CONTRACTOR SHALL PROVIDE SPRINT WITH WEEKLY REPORTS SHOWING PROJECT STATUS. THIS STATUS REPORT FORMAT WILL BE PROVIDED TO THE CONTRACTOR BY SPRINT. THE REPORT WILL CONTAIN SITE ID NUMBER, THE MILESTONES FOR EACH SITE, INCLUDING THE BASELINE DATE, ESTIMATED COMPLETION DATE AND ACTUAL COMPLETION DATE.
  - B. REPORT INFORMATION WILL BE TRANSMITTED TO SPRINT VIA ELECTRONIC MEANS AS REQUIRED. THIS INFORMATION WILL PROVIDE A BASIS FOR PROGRESS MONITORING AND PAYMENT.
- 3.2 PROJECT CONFERENCE CALLS:
  - A. SPRINT MAY HOLD WEEKLY PROJECT CONFERENCE CALLS. CONTRACTOR WILL BE REQUIRED TO COMMUNICATE SITE STATUS, MILESTONE COMPLETIONS AND UPCOMING MILESTONE PROJECTIONS, AND ANSWER ANY OTHER SITE STATUS QUESTIONS AS NECESSARY.
- 3.3 PROJECT TRACKING IN SMS:
  - A. CONTRACTOR SHALL PROVIDE SCHEDULE UPDATES AND PROJECTIONS IN THE SMS SYSTEM ON A WEEKLY BASIS.
- 3.4 ADDITIONAL REPORTING:
  - A. ADDITIONAL OR ALTERNATE REPORTING REQUIREMENTS MAY BE ADDED TO THE REPORT AS DETERMINED TO BE REASONABLY NECESSARY BY COMPANY.
- 3.5 PROJECT PHOTOGRAPHS:
  - A. FILE DIGITAL PHOTOGRAPHS OF COMPLETED SITE IN JPEG FORMAT IN THE SMS PHOTO LIBRARY FOR THE RESPECTIVE SITE. PHOTOGRAPHS SHALL BE CLEARLY LABELED WITH SITE NUMBER, NAME AND DESCRIPTION, AND SHALL INCLUDE AT A MINIMUM THE FOLLOWING AS APPLICABLE:
    1. SHELTER AND TOWER OVERVIEW.
    2. TOWER FOUNDATION(S) - FORMS AND STEEL BEFORE POUR (EACH ANCHOR ON GUYED TOWERS).
    3. TOWER FOUNDATION(S) POUR WITH VIBRATOR IN USE (EACH ANCHOR ON GUYED TOWERS).
    4. TOWER STEEL AS BEING INSTALLED INTO HOLE (SHOW ANCHOR STEEL ON GUYED TOWERS).
    5. PHOTOS OF TOWER SECTION STACKING.
    6. CONCRETE TESTING / SAMPLES.
    7. PLACING OF ANCHOR BOLTS IN TOWER FOUNDATION.
    8. BUILDING/WATER TANK FROM ROAD FOR TENANT IMPROVEMENTS OR COMMENTS.
    9. SHELTER FOUNDATION--FORMS AND STEEL BEFORE POURING.
    10. SHELTER FOUNDATION POUR WITH VIBRATOR IN USE.
    11. COAX CABLE ENTRY INTO SHELTER.
    12. PLATFORM MECHANICAL CONNECTIONS TO TOWER/MONOPOLE.
    13. ROOFTOP PRE AND POST CONSTRUCTION PHOTOS TO INCLUDE PENETRATIONS AND INTERIOR CEILING.
    14. PHOTOS OF TOWER TOP COAX LINE COLOR CODING AND COLOR CODING AT GROUND LEVEL.
    15. PHOTOS OF ALL APPROPRIATE COMPANY OR REGULATORY SIGNAGE.
    16. PHOTOS OF EQUIPMENT BOLT DOWN INSIDE SHELTER.
    17. POWER AND TELCO ENTRANCE TO COMPANY ENCLOSURE AND POWER AND TELCO SUPPLY LOCATIONS INCLUDING METER/DISCONNECT.
    18. ELECTRICAL TRENCH(S) WITH ELECTRICAL / CONDUIT BEFORE BACKFILL.
    19. ELECTRICAL TRENCH(S) WITH FOIL-BACKED TAPE BEFORE FURTHER BACKFILL.
    20. TELCO TRENCH WITH TELEPHONE / CONDUIT BEFORE BACKFILL.
    21. TELCO TRENCH WITH FOIL-BACKED TAPE BEFORE FURTHER BACKFILL.
    22. SHELTER GROUND-RING TRENCH WITH GROUND-WIRE BEFORE BACKFILL (SHOW ALL CAD WELDS AND BEND RADII).
    23. TOWER GROUND-RING TRENCH WITH GROUND-WIRE BEFORE BACKFILL (SHOW ALL CAD WELDS AND BEND RADII).

24. FENCE GROUND-RING TRENCH WITH GROUND-WIRE BEFORE BACKFILL (SHOW ALL CAD WELDS AND BEND RADII).
  25. ALL BTS GROUND CONNECTIONS.
  26. ALL GROUND TEST WELLS.
  27. ANTENNA GROUND BAR AND EQUIPMENT GROUND BAR.
  28. ADDITIONAL GROUNDING POINTS ON TOWERS ABOVE 200'.
  29. HVAC UNITS INCLUDING CONDENSERS ON SPLIT SYSTEMS.
  30. GPS ANTENNAS.
  31. CABLE TRAY AND/OR WAVEGUIDE BRIDGE.
  32. DOGHOUSE/CABLE EXIT FROM ROOF.
  33. EACH SECTOR OF ANTENNAS; ONE PHOTOGRAPH LOOKING AT THE SECTOR AND ONE FROM BEHIND SHOWING THE PROJECTED COVERAGE AREA.
  34. MASTER BUS BAR.
  35. TELCO BOARD AND NIU.
  36. ELECTRICAL DISTRIBUTION WALL.
  37. CABLE ENTRY WITH SURGE SUPPRESSION.
  38. ENTRANCE TO EQUIPMENT ROOM.
  39. COAX WEATHERPROOFING--TOP AND BOTTOM OF TOWER.
  40. COAX GROUNDING -TOP AND BOTTOM OF TOWER.
  41. ANTENNA AND MAST GROUNDING.
  42. LANDSCAPING - WHERE APPLICABLE.
- 3.6 FINAL PROJECT ACCEPTANCE: COMPLETE ALL REQUIRED REPORTING TASKS PER CONTRACT, CONTRACT DOCUMENTS OR THE SPRINT INTEGRATED CONSTRUCTION STANDARDS FOR WIRELESS SITES AND UPLOAD INTO SITERRA.

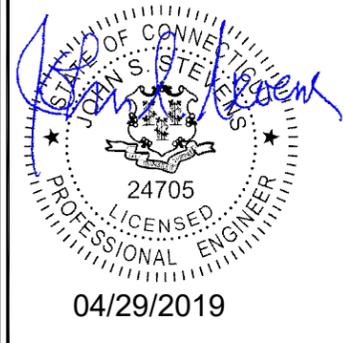
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PLANS PREPARED BY:



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ISSUED FOR PERMIT	11/16/18	ASW	2
ISSUED FOR PERMIT	11/5/18	ASW	1
ISSUED FOR PERMIT	12/18/17	ASW	0

SITE NAME:

N. BRANFORD

SITE CASCADE:

CT03XC041

SITE ADDRESS:

59 YOUNG'S APPLE ORCHARD RD  
NORTH BRANFORD, CT 06472

SHEET DESCRIPTION:

SPRINT SPECIFICATIONS

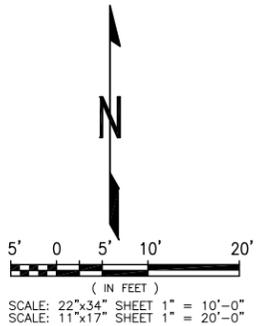
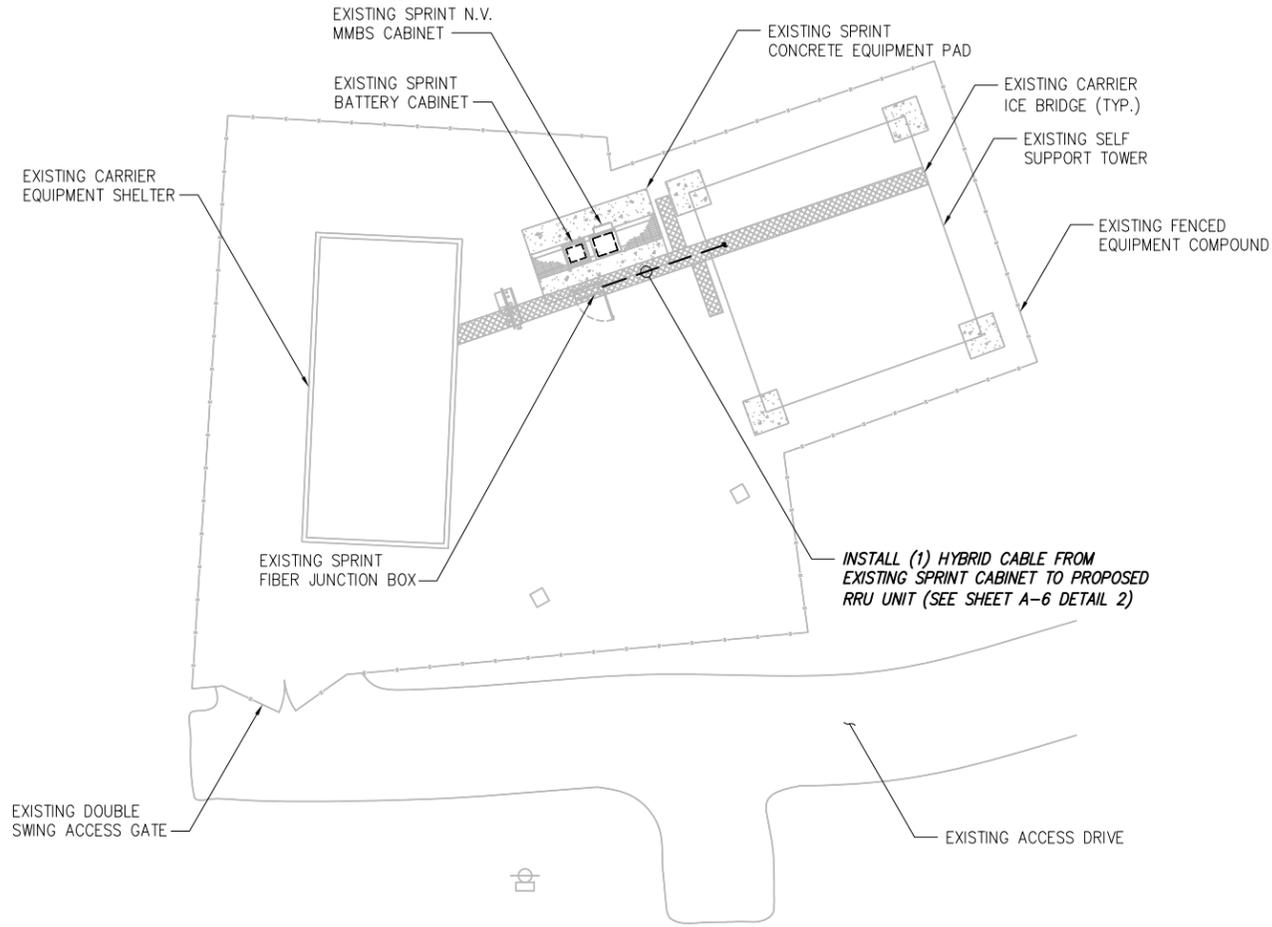
SHEET NUMBER:

SP-3

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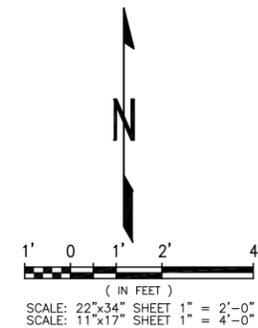
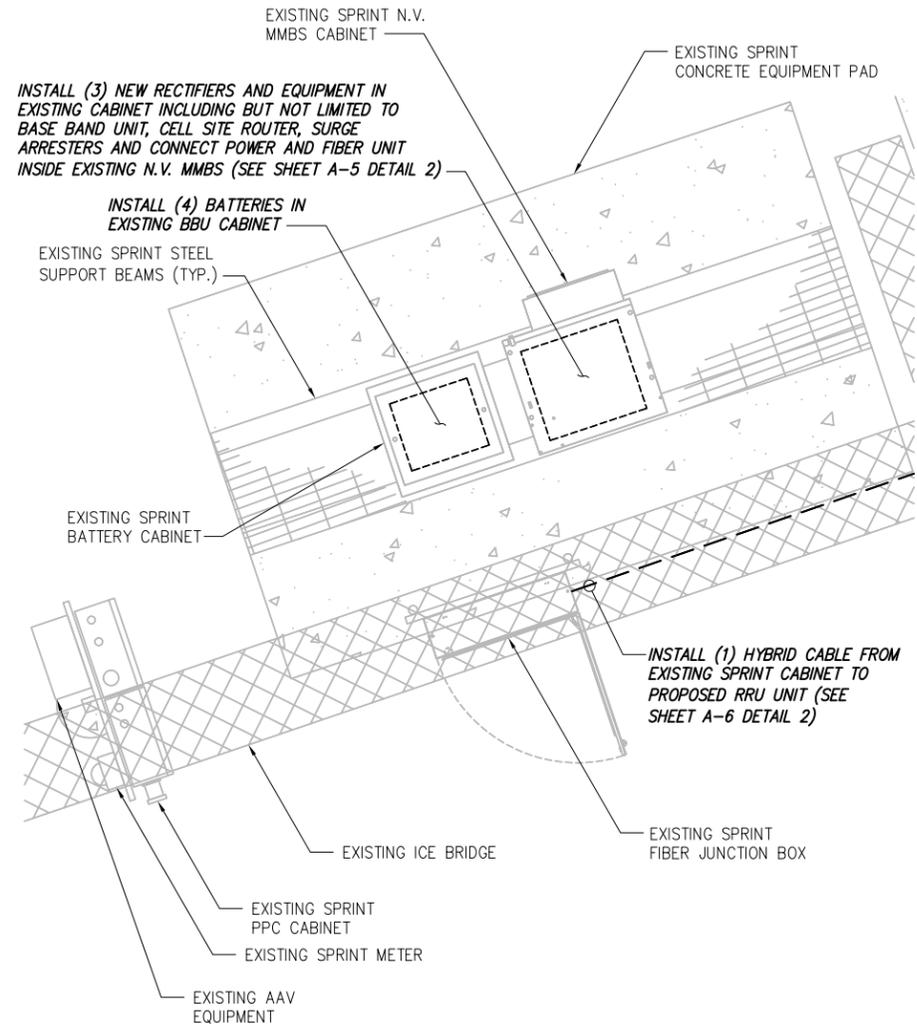
- FOR ADDITIONAL STRUCTURAL INFORMATION PERTAINING TO THE TOWER, SEE 'STRUCTURAL ANALYSIS' COMPLETED BY RAMAKER & ASSOCIATES, INC., DATED 10/4/18.
- FOR ADDITIONAL STRUCTURAL INFORMATION PERTAINING TO THE ANTENNA MOUNTS, SEE 'MOUNT ASSESSMENT' COMPLETED BY RAMAKER & ASSOCIATES, INC., DATED 10/5/18.

INFORMATION CONTAINED WITHIN DRAWINGS ARE BASED ON PROVIDED INFORMATION AND ARE NOT THE RESULT OF A FIELD SURVEY.



OVERALL SITE PLAN

SCALE: AS NOTED 1



SPRINT EQUIPMENT PLAN

SCALE: AS NOTED 2

PLANS PREPARED FOR:

6580 Sprint Parkway  
Overland Park, Kansas 66251

PLANS PREPARED BY:

FROM ZERO TO INFINIGY  
the solutions are endless

1033 Watervliet Shaker Rd  
Albany, NY 12205  
Office # (518) 690-0790  
JOB NUMBER 526-102

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NORTH BRANFORD, CT 06472

SHEET DESCRIPTION:

SITE PLAN

SHEET NUMBER:

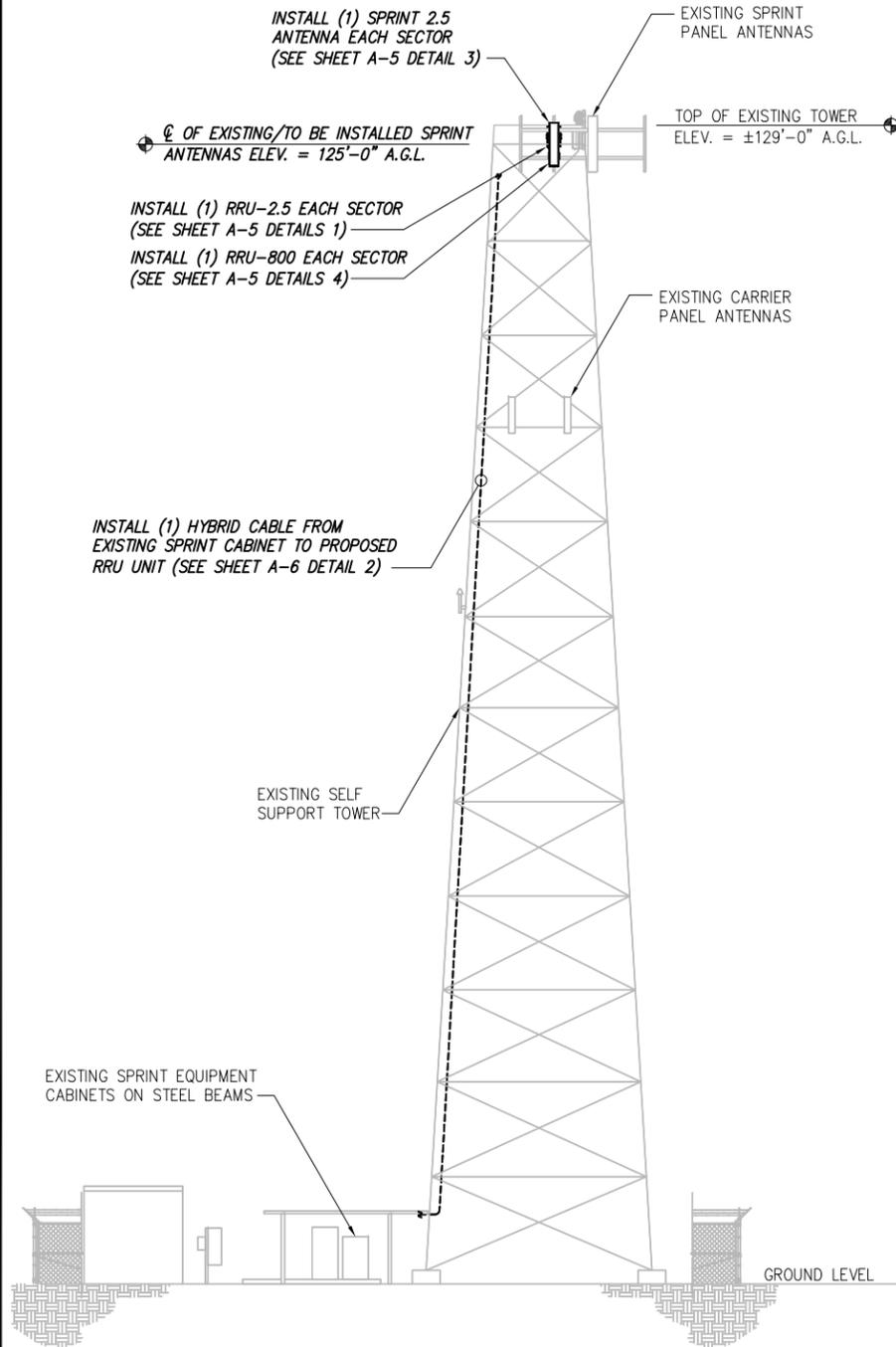
A-1

**NOTE:**

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- FOR ADDITIONAL STRUCTURAL INFORMATION PERTAINING TO THE ANTENNA MOUNTS, SEE 'MOUNT ASSESSMENT' COMPLETED BY RAMAKER & ASSOCIATES, INC., DATED 10/5/18.

CONTRACTOR TO REMOVE EXISTING INACTIVE DAMAGE OMNI ANTENNA AT THE TOP OF THE TOWER

**NOTE:**  
SEE DETAIL 2 ON A-3 FOR ANTENNA LAYOUT



**SITE LOADING CHART**

SECTOR	EXISTING/PROPOSED	ANTENNA MODEL #	VENDOR	AZIMUTH	QTY	REMAIN/REMOVED	RRH (QTY/MODEL)	CABLE	CABLE LENGTH	RAD CENTER
ALPHA	EXISTING	APXVSP18-C-A20	RFS	25°	1	-	(2) 800 MHZ 2X50W RRH	SEE SHEET A-6 DETAIL 1	±175*	±125 AGL
	PROPOSED	DT465B-2XR	COMM-SCOPE	25°	1	-	(1) TD-RRH8X20-25 W/ SOLAR SHIELD (1) 1900 MHZ 4X45 RRH	SEE SHEET A-6 DETAIL 1 EXISTING COAX		
BETA	EXISTING	APXVSP18-C-A20	RFS	115°	1	-	(2) 800 MHZ 2X50W RRH	SEE SHEET A-6 DETAIL 1	±175*	±125 AGL
	PROPOSED	DT465B-2XR	COMM-SCOPE	115°	1	-	(1) TD-RRH8X20-25 W/ SOLAR SHIELD (1) 1900 MHZ 4X45 RRH	SEE SHEET A-6 DETAIL 1 EXISTING COAX		
GAMMA	EXISTING	APXVSP18-C-A20	RFS	250°	1	-	(2) 800 MHZ 2X50W RRH	SEE SHEET A-6 DETAIL 1	±175*	±125 AGL
	PROPOSED	DT465B-2XR	COMM-SCOPE	250°	1	-	(1) TD-RRH8X20-25 W/ SOLAR SHIELD (1) 1900 MHZ 4X45 RRH	SEE SHEET A-6 DETAIL 1 EXISTING COAX		

**PROJECT SCOPE:**  
INSTALL: (3) PANEL ANTENNAS AND (6) RRH'S

\* PROPOSED CABLE LENGTH WAS DETERMINED USING THE SUM OF THE RAD CENTER OF ANTENNAS, AND DISTANCE FROM EXISTING EQUIPMENT AREA TO TOWER BASE WITH AN ADDITIONAL 20' BUFFER. LENGTH TO BE VERIFIED IN FIELD PRIOR TO ORDERING MATERIALS.

PLANS PREPARED FOR:

6580 Sprint Parkway  
Overland Park, Kansas 66251

PLANS PREPARED BY:

FROM ZERO TO INFINIGY  
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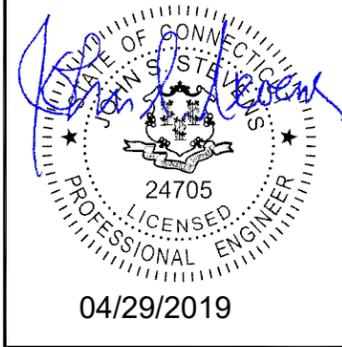
SITE NAME:  
**N. BRANFORD**

SITE CASCADE:  
**CT03XC041**

SITE ADDRESS:  
**59 YOUNG'S APPLE ORCHARD RD  
NORTH BRANFORD, CT 06472**

SHEET DESCRIPTION:  
**TOWER ELEVATION  
& CABLE PLAN**

SHEET NUMBER:  
**A-2**



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N. BRANFORD

CT03XC041

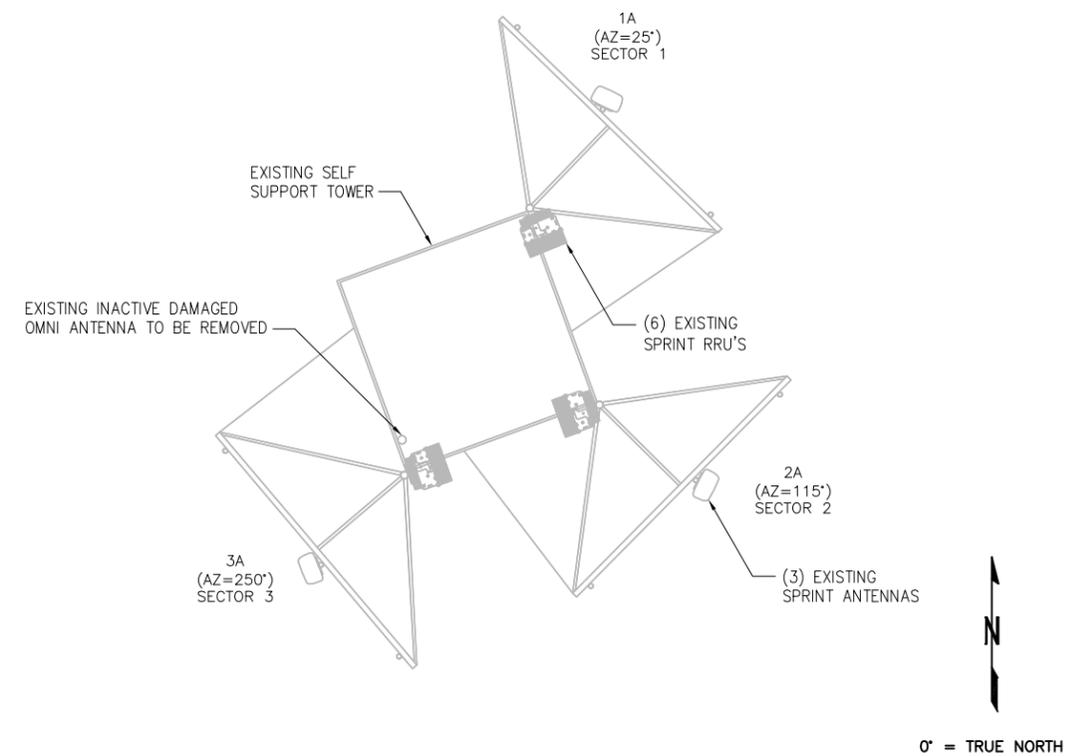
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ANTENNA LAYOUT  
& MOUNTING DETAILS

A-3

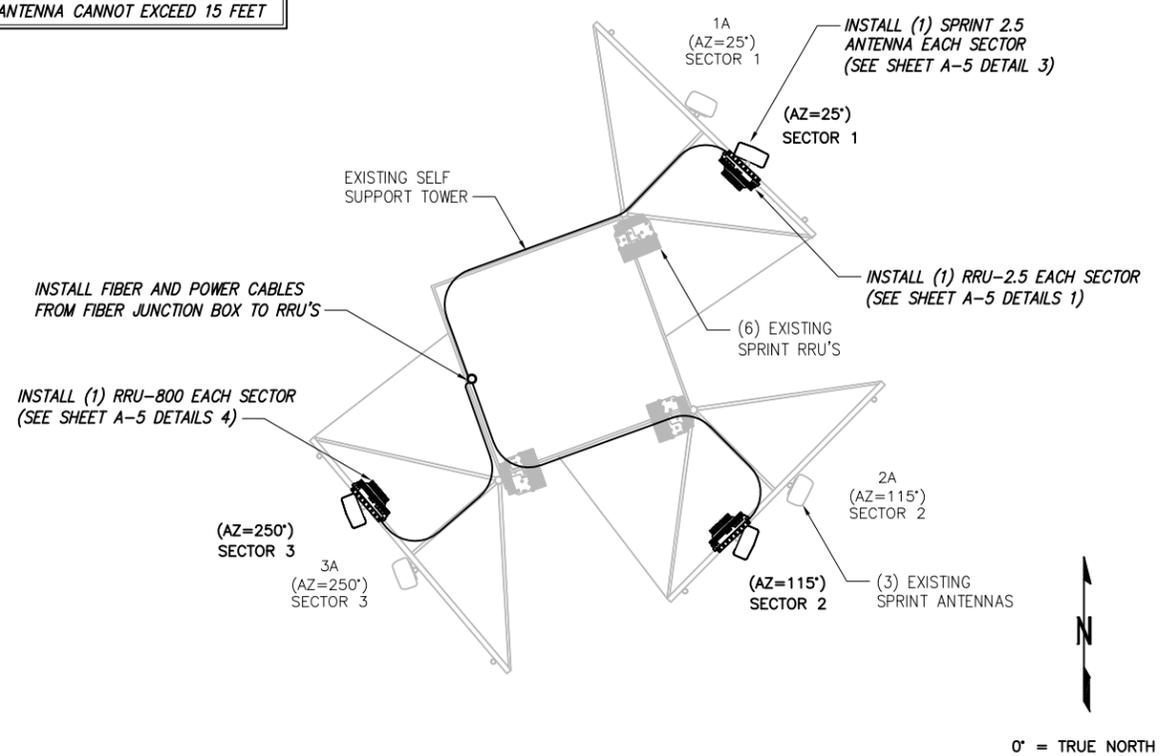
CONTRACTOR TO REMOVE EXISTING INACTIVE  
DAMAGE OMNI ANTENNA AT THE TOP OF THE TOWER

NOTE:  
JUMPERS FROM 2.5 RRH TO THE 2.5  
ANTENNA CANNOT EXCEED 15 FEET



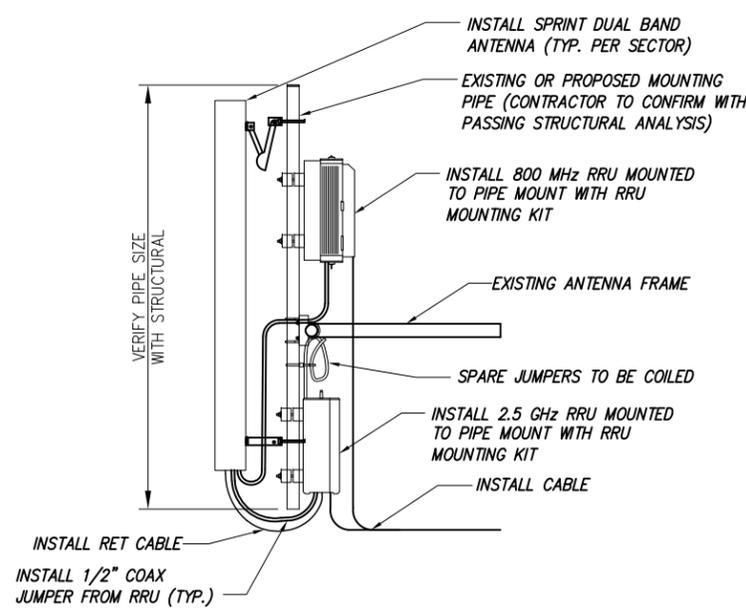
EXISTING ANTENNA & RRU LAYOUT

NO SCALE 1



FINAL ANTENNA LAYOUT

NO SCALE 2



- NOTES:
1. CUT DC CONDUCTORS TO LENGTH.
  2. COIL FIBER CABLE AND SECURE AT SIDE OF RRU.
  3. DO NOT EXCEED BEND RADIUS.

NOTE:  
CONTRACTOR TO POSITION RRU ON MOUNT BEHIND ANTENNA SUCH THAT THE RRU DOES NOT INTERFERE WITH THE EXISTING PLATFORM/T-ARM MOUNTING HARDWARE.

NOTE:  
SPARE DC CABLES ARE COILED UP ON NV RRHS AT SPRINT ARRAY. THESE ARE TO BE USED TO POWER UP THE 2.5 RRHS AND TIED INTO EXISTING DC BREAKERS INSIDE THE FIBER JUNCTION BOX LOCATED AT EQUIPMENT.

NOTE:  
THE DIAGRAM IS FOR CONCEPTUAL PURPOSES ONLY. CONTRACTOR IS TO REFER TO PASSING STRUCTURAL ANALYSIS FOR ANTENNA AND RRU MOUNTING DETAILS

DETAIL NOT USED

NO SCALE 3

TYPICAL ANTENNA & RRU MOUNTING DETAILS

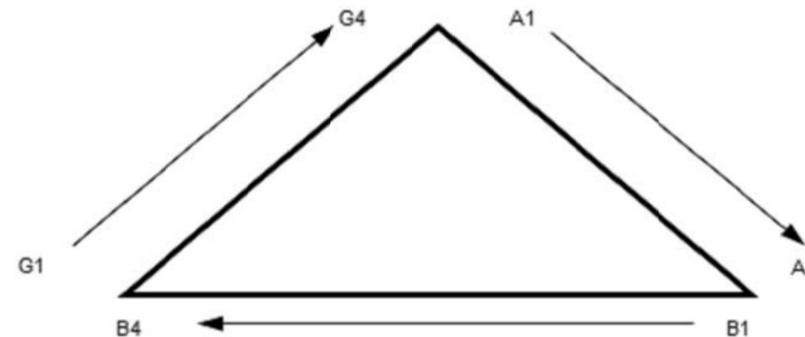
NO SCALE 4

NV CABLES				
BAND	INDICATOR		PORT	COLOR
800-1	YEL	GRN	NV-1	GRN
1900-1	YEL	RED	NV-2	BLU
1900-2	YEL	BRN	NV-3	BRN
1900-3	YEL	BLU	NV-4	WHT
1900-4	YEL	SLT	NV-5	RED
800-2	YEL	ORG	NV-6	SLT
SPARE	YEL	WHT	NV-7	PPL
2500	YEL	PPL	NV-8	ORG

HYBRID	
HYBRID	COLOR
1	GRN
2	BLU
3	BRN
4	WHT
5	RED
6	SLT
7	PPL
8	ORG

2.5 Band		
2500 Radio 1	COLOR	
YEL WHT	GRN	
YEL WHT	BLU	
YEL WHT	BRN	
YEL WHT	WHT	
YEL WHT	RED	
YEL WHT	SLT	
YEL WHT	PPL	
YEL WHT	ORG	

Figure 1: Antenna Orientation



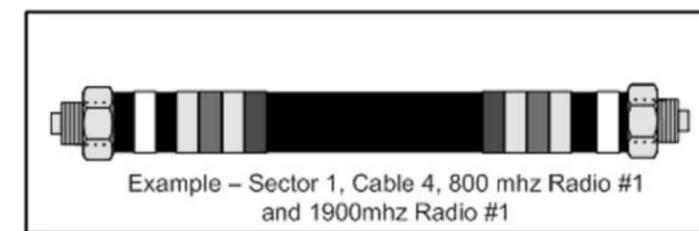
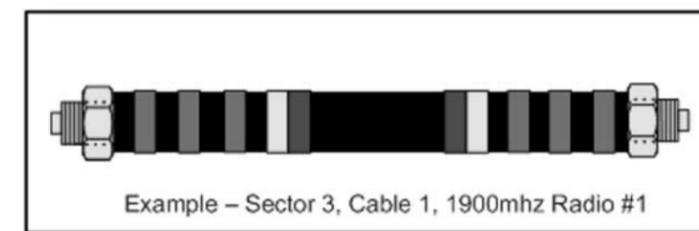
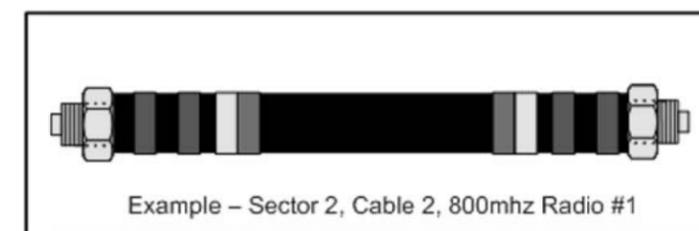
NOTES:

- ALL CABLES SHALL BE MARKED WITH 2" WIDE, UV STABILIZED, UL APPROVED TAPE.
- THE FIRST RING SHALL BE CLOSEST TO THE END OF THE CABLE AND SPACED APPROXIMATELY 2" FROM THE END CONNECTOR, WEATHERPROOFING, OR BREAK-OUT CYLINDER. THERE SHALL BE A 1" SPACE BETWEEN EACH RING FOR THE CABLE IDENTIFIER, AND NO SPACES BETWEEN THE FREQUENCY BANDS.
- A 2" GAP SHALL SEPARATE THE CABLE COLOR CODE FROM THE FREQUENCY COLOR CODE. THE 2" COLOR RINGS FOR THE FREQUENCY CODE SHALL BE PLACED NEXT TO EACH OTHER WITH NO SPACES.
- THE 2" COLORED TAPE(S) SHALL EACH BE WRAPPED A MINIMUM OF 3 TIMES AROUND THE INDIVIDUAL CABLES, AND THE TAPE SHALL BE KEPT IN THE SAME LOCATION AS MUCH AS POSSIBLE.
- SITES WITH MORE THAN FOUR (4) SECTORS WILL REQUIRE ADDITIONAL RINGS FOR EACH SECTOR, FOLLOWING THE PATTERN. HIGH CAPACITY SITES WILL USE THE NEXT COLOR IN THE SEQUENCE FOR ADDITIONAL CABLES IN EACH SECTOR.
- HYBRID FIBER CABLE SHALL BE SECTOR IDENTIFIED INSIDE THE CABINET ON FREQUENCY BUNDLES, ON THE SEALTITE, ON THE MAIN LINE UPON EXIT OF SEALTITE, AND BEFORE AND AFTER THE BREAKOUT UNIT (MEDUSA), AS WELL AS BEFORE AND AFTER ANY ENTRANCE OR EXIT.
- HFC "MAIN TRUNK" WILL NOT BE MARKED WITH THE FREQUENCY CODES, AS IT CONTAINS ALL FREQUENCIES.
- INDIVIDUAL POWER PAIRS AND FIBER BUNDLES SHALL BE LABELED WITH BOTH THE CABLE AND FREQUENCY.

Sector	Cable	First Ring	Second Ring	Third Ring
1 Alpha	1	Green	No Tape	No Tape
	2	Blue	No Tape	No Tape
	3	Brown	No Tape	No Tape
	4	White	No Tape	No Tape
	5	Red	No Tape	No Tape
	6	Grey	No Tape	No Tape
	7	Purple	No Tape	No Tape
	8	Orange	No Tape	No Tape
2 Beta	1	Green	Green	No Tape
	2	Blue	Blue	No Tape
	3	Brown	Brown	No Tape
	4	White	White	No Tape
	5	Red	Red	No Tape
	6	Grey	Grey	No Tape
	7	Purple	Purple	No Tape
	8	Orange	Orange	No Tape
3 Gamma	1	Green	Green	Green
	2	Blue	Blue	Blue
	3	Brown	Brown	Brown
	4	White	White	White
	5	Red	Red	Red
	6	Grey	Grey	Grey
	7	Purple	Purple	Purple
	8	Orange	Orange	Orange

NV FREQUENCY	INDICATOR	ID
800-1	YEL	GRN
1900-1	YEL	RED
1900-2	YEL	BRN
1900-3	YEL	BLU
1900-4	YEL	SLT
800-1	YEL	ORG
RESERVED	YEL	WHT
RESERVED	YEL	PPL

2.5 FREQUENCY	INDICATOR		ID
2500 -1	YEL	WHT	GRN
2500 -2	YEL	WHT	RED
2500 -3	YEL	WHT	BRN
2500 -4	YEL	WHT	BLU
2500 -5	YEL	WHT	SLT
2500 -6	YEL	WHT	ORG
2500 -7	YEL	WHT	WHT
2500 -8	YEL	WHT	PPL



PLANS PREPARED FOR:

6580 Sprint Parkway  
Overland Park, Kansas 66251

PLANS PREPARED BY:

FROM ZERO TO INFINIGY  
the solutions are endless

1033 Watervliet Shaker Rd  
Albany, NY 12205  
Office # (518) 690-0790  
JOB NUMBER 526-102

ENGINEERING LICENSE:

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ISSUED FOR PERMIT	11/5/18	ASW	1
ISSUED FOR PERMIT	12/18/17	ASW	0

SITE NAME:

N. BRANFORD

SITE CASCADE:

CT03XC041

SITE ADDRESS:

59 YOUNG'S APPLE ORCHARD RD  
NORTH BRANFORD, CT 06472

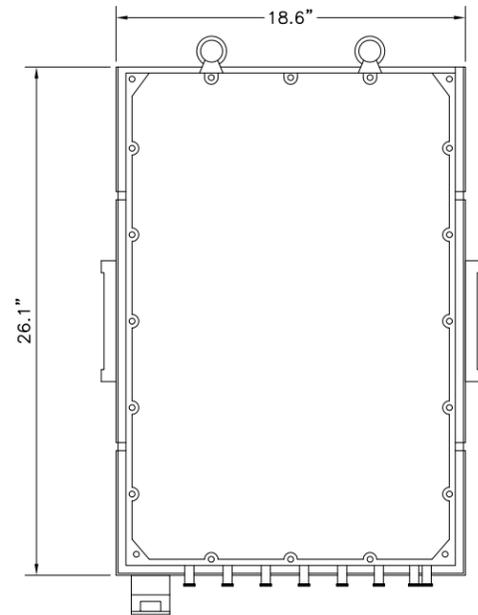
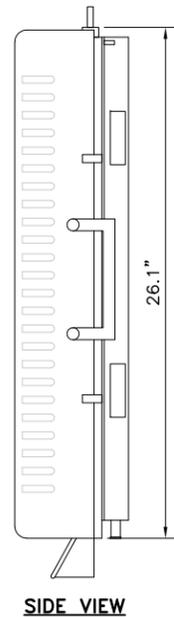
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COLOR CODING AND NOTES

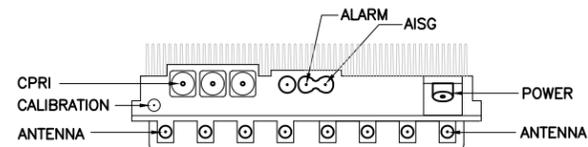
SHEET NUMBER:

A-4

RRU: ALCATEL LUCENT TD-RRH8X20  
 COLOR: LIGHT GREY  
 WEIGHT: 70 LBS.



FRONT VIEW



PLAN VIEW

**NOTES**

COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRU'S RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING. DO NOT OPEN RRU PACKAGES IN THE RAIN

2.5 RRU

NO SCALE

1

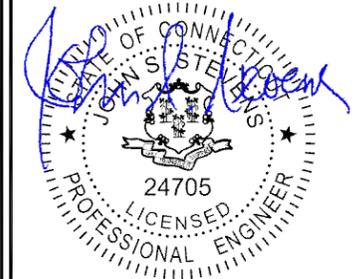
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ISSUED FOR PERMIT	11/5/18	ASW	1
ISSUED FOR PERMIT	12/18/17	ASW	0

SITE NAME:

N. BRANFORD

SITE CASCADE:

CT03XC041

SITE ADDRESS:

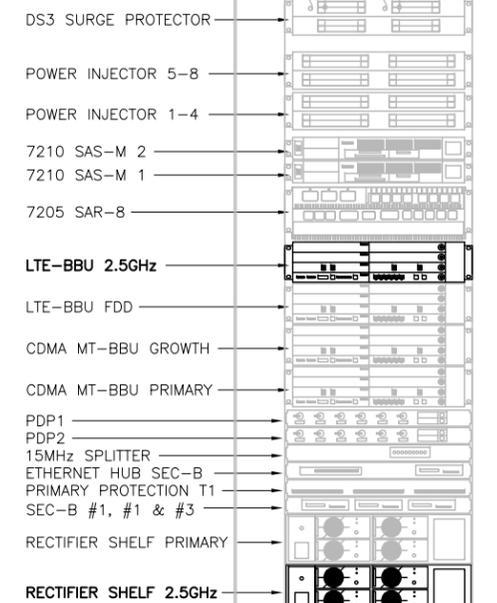
59 YOUNG'S APPLE ORCHARD RD  
 NORTH BRANFORD, CT 06472

SHEET DESCRIPTION:

EQUIPMENT &  
 MOUNTING DETAILS

SHEET NUMBER:

A-5



FRONT VIEW

NEW EQUIPMENT IN EXISTING CABINET

NO SCALE

2

**ANTENNA COMMSCOPE DT465B-2XR**

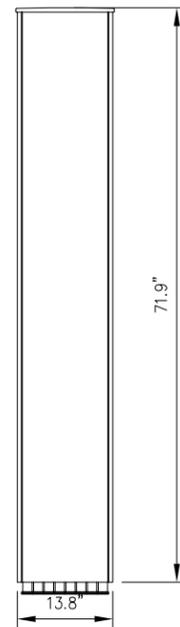
RADOME MATERIAL: FIBERGLASS  
 RADOME COLOR: LIGHT GREY  
 DIMENSIONS, HxWxD.in(mim): 71.9"x13.8"x8.2" (1825x350x209mm)  
 WEIGHT: 58.4 lbs  
 CONNECTORS: (2) 7/16" DIN FEMALE  
 (8) 4.1/9.5 DIN FEMALE



PLAN VIEW



SIDE VIEW



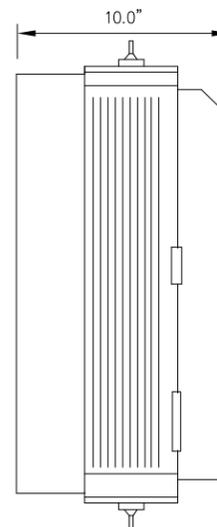
FRONT VIEW

2.5 ANTENNA

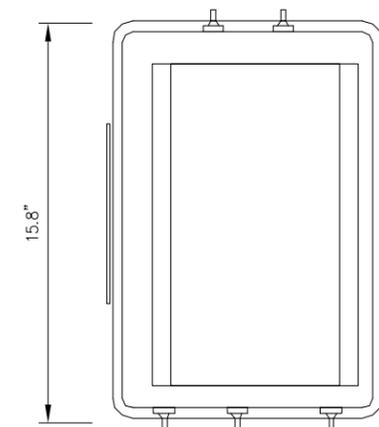
NO SCALE

3

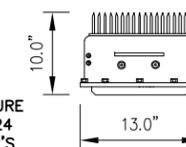
RRU: ALCATEL LUCENT RRH 800 MHz 2x50W  
 COLOR: LIGHT GREY  
 WEIGHT: 53 LBS.



SIDE VIEW



FRONT VIEW



PLAN VIEW

**NOTES**

COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRU'S RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING. DO NOT OPEN RRU PACKAGES IN THE RAIN.

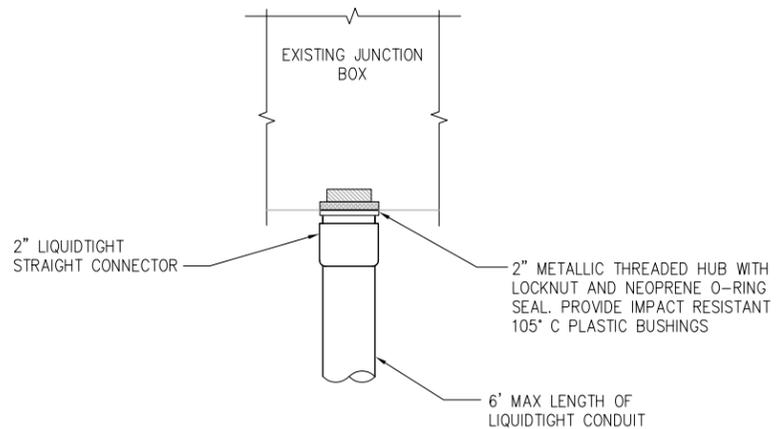
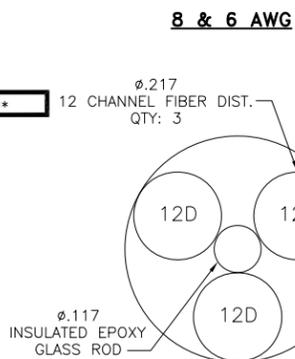
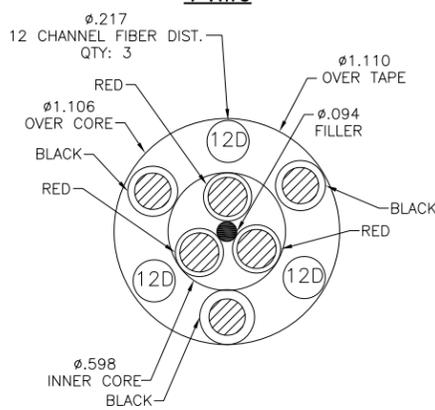
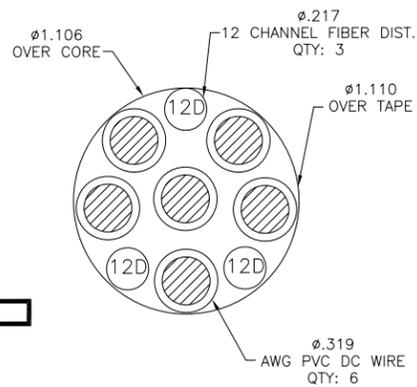
800 RRU'S DETAIL

NO SCALE

4

**RFS HYBRIFLEX RISER CABLE SCHEDULE**

Fiber Only (Existing DC Power)	Hybrid cable MN: H8058-M12-050F 12x multi-mode fiber pairs, Top: Outdoor protected connectors, Bottom: LC Connectors, 5/8 cable, 50 ft	50 ft
	MN: H8058-M12-075F	75 ft
	MN: H8058-M12-100F	100 ft
	MN: H8058-M12-125F	125 ft
	MN: H8058-M12-150F	150 ft
	MN: H8058-M12-175F	175 ft
	MN: H8058-M12-200F	200 ft
8 AWG Power	Hybrid cable MN: H8114-08U3M12-050F 3x 8 AWG power pairs, 12x multi-mode fiber pairs, Outdoor rated connectors & LC Connectors, 1 1/4 cable, 50 ft	50 ft
	MN: H8114-08U3M12-075F	75 ft
	MN: H8114-08U3M12-100F	100 ft
	MN: H8114-08U3M12-125F	125 ft
	MN: H8114-08U3M12-150F	150 ft
	MN: H8114-08U3M12-175F	175 ft
	MN: H8114-08U3M12-200F	200 ft
6 AWG Power	Hybrid cable MN: H8114-13U3M12-225F 3x 6 AWG power pair, 12x multi-mode fiber pairs, Outdoor rated connectors & LC Connectors, 1 1/4 cable, 225 ft	225 ft
	MN: H8114-13U3M12-250F	250 ft
	MN: H8114-13U3M12-275F	275 ft
	MN: H8114-13U3M12-300F	300 ft
4 AWG Power	Hybrid cable MN: H8114-21U3M12-325F 3x 4 AWG power pair, 12x multi-mode fiber pairs, Outdoor rated connectors & LC Connectors, 1 1/4 cable, 325 ft	325 ft
	MN: H8114-21U3M12-350F	350 ft
	MN: H8114-21U3M12-375F	375 ft



**RFS HYBRIFLEX JUMPER CABLE SCHEDULE**

Fiber Only	Hybrid Jumper cable MN: HBF012-M3-5F1 5 ft, 3x multi-mode fiber pairs, Outdoor & LC connectors, 1/2 cable	5 ft
	MN: HBF012-M3-10F1	10 ft
	MN: HBF012-M3-15F1	15 ft
	MN: HBF012-M3-20F1	20 ft
	MN: HBF012-M3-25F1	25 ft
	MN: HBF012-M3-30F1	30 ft
8 AWG Power	Hybrid Jumper cable MN: HBF058-08U1M3-5F1 5 ft, 1x 8 AWG power pair, 3x multi-mode fiber pairs, Outdoor & LC Connectors, 5/8 cable	5 ft
	MN: HBF058-08U1M3-10F1	10 ft
	MN: HBF058-08U1M3-15F1	15 ft
	MN: HBF058-08U1M3-20F1	20 ft
	MN: HBF058-08U1M3-25F1	25 ft
	MN: HBF058-08U1M3-30F1	30 ft
6 AWG Power	Hybrid Jumper cable MN: HBF058-13U1M3-5F1 5 ft, 1x 6 AWG power pair, 3x multi-mode fiber pairs, Outdoor & LC Connectors, 5/8 cable	5 ft
	MN: HBF058-13U1M3-10F1	10 ft
	MN: HBF058-13U1M3-15F1	15 ft
	MN: HBF058-13U1M3-20F1	20 ft
	MN: HBF058-13U1M3-25F1	25 ft
	MN: HBF058-13U1M3-30F1	30 ft
4 AWG Power	Hybrid Jumper cable MN: HBF078-21U1M3-5F1 5 ft, 1x 4 AWG power pair, 3x multi-mode fiber pairs, Outdoor & LC Connectors, 7/8 cable	5 ft
	MN: HBF078-21U1M3-10F1	10 ft
	MN: HBF078-21U1M3-15F1	15 ft
	MN: HBF078-21U1M3-20F1	20 ft
	MN: HBF078-21U1M3-25F1	25 ft

NOTE:  
SPRINT CM TO CONFIRM HYBRID OR FIBER RISER CABLE AND HYBRID OR FIBER JUMPER CABLE MODEL NUMBERS IF HYBRID CABLES ARE REQUIRED BEFORE PREPARING BOM.

**FIBER JUNCTION BOX PENETRATION**

NO SCALE

2

**2.5 CABLE CROSS SECTION DATA**

NO SCALE

1

**DETAIL NOT USED**

NO SCALE

3

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SITE CASCADE:

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SITE ADDRESS:

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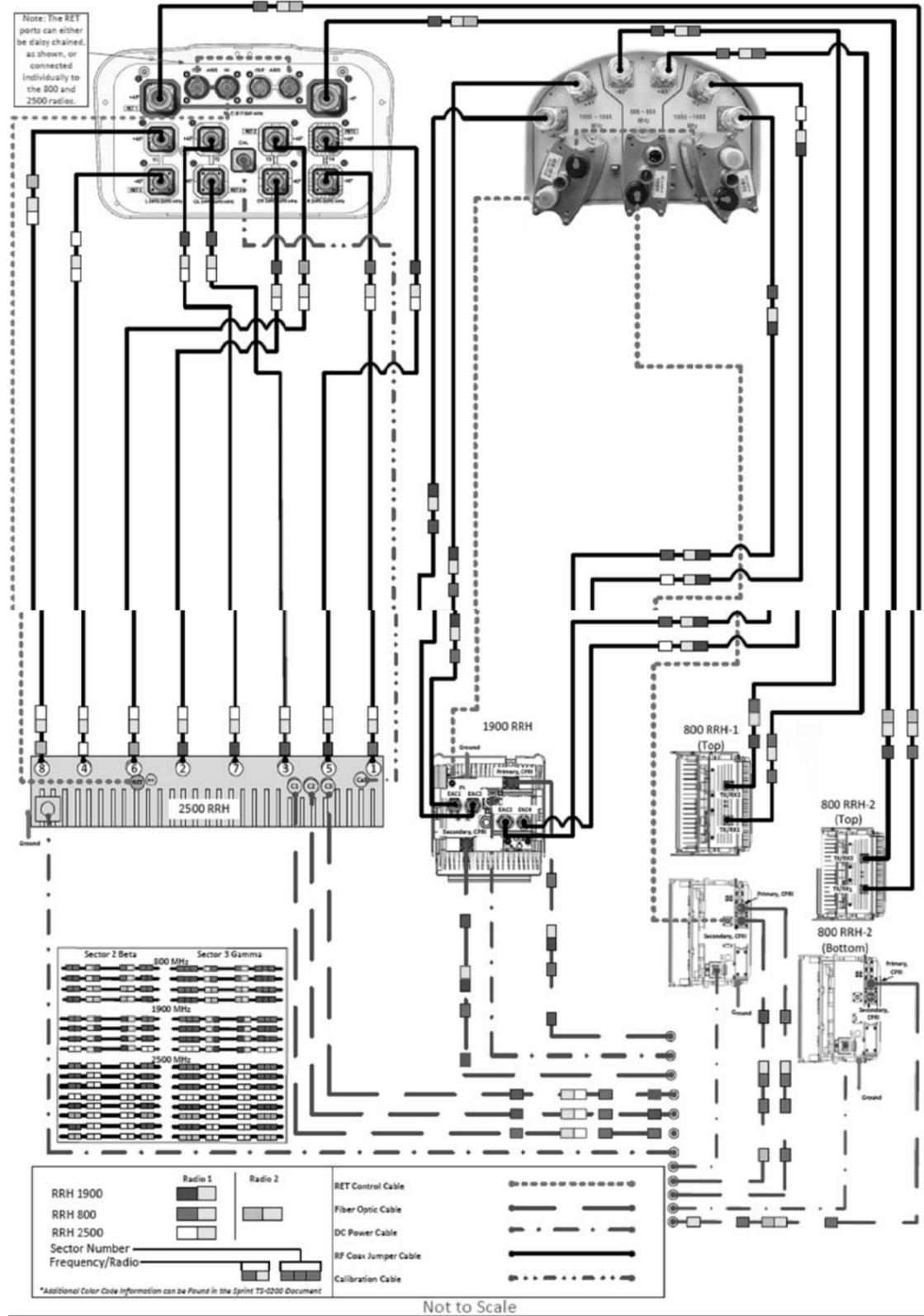
SHEET DESCRIPTION:

CIVIL DETAILS

SHEET NUMBER:

A-6

ALU 211 DT465B-2XR & APXVSP18-C-A20 wo Filters



Not to Scale

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PLANS PREPARED BY:



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ISSUED FOR PERMIT		11/5/18	ASW	1
ISSUED FOR PERMIT		12/18/17	ASW	0

SITE NAME:

N. BRANFORD

SITE CASCADE:

CT03XC041

SITE ADDRESS:

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NORTH BRANFORD, CT 06472

SHEET DESCRIPTION:

CIVIL DETAILS

SHEET NUMBER:

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PLANS PREPARED BY:



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ISSUED FOR PERMIT	11/5/18	ASW	1
ISSUED FOR PERMIT	12/18/17	ASW	0

SITE NAME:

N. BRANFORD

SITE CASCADE:

CT03XC041

SITE ADDRESS:

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SHEET DESCRIPTION:

ELECTRICAL &  
GROUNDING PLAN

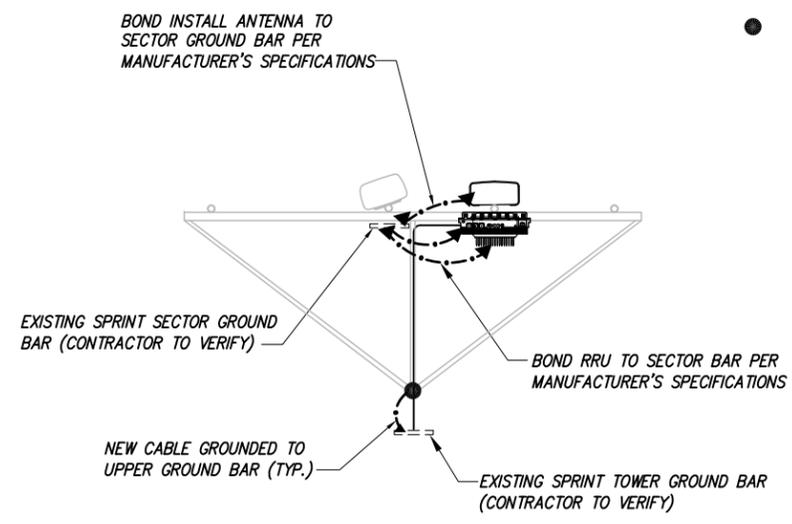
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E-1

PLAN NOT USED

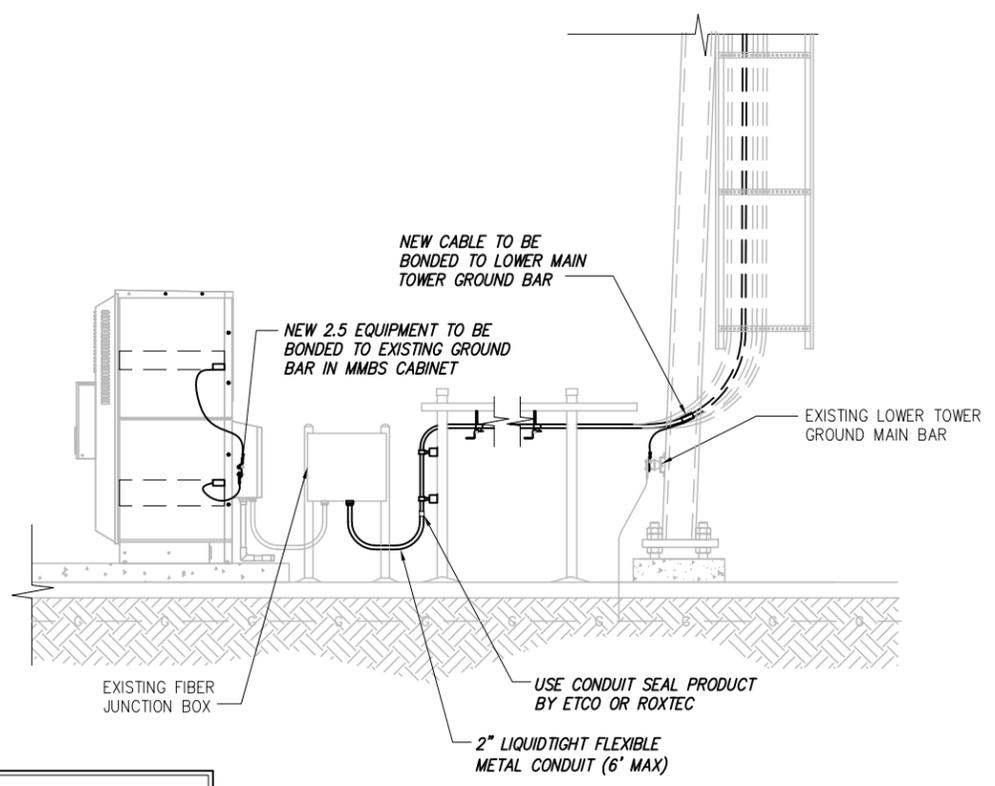
NO SCALE 1

- LEGEND:**
- EXISTING GROUND RING
  - CADWELD CONNECTION (EXOTHERMIC WELD)
  - ▲ MECHANICAL CONNECTION
  - ⊗ GROUND ROD
  - CABLE GROUND KIT



TYPICAL ANTENNA GROUNDING PLAN

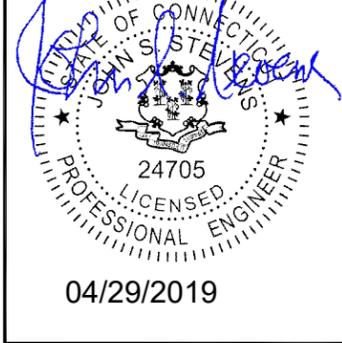
NO SCALE 2



NOTE:  
DEPICTION IS FOR CONCEPTUAL PURPOSES ONLY. CONTRACTOR IS TO FIELD VERIFY PRIOR TO CONSTRUCTION

TYPICAL EQUIPMENT GROUNDING PLAN (ELEVATION)

NO SCALE 3



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N. BRANFORD

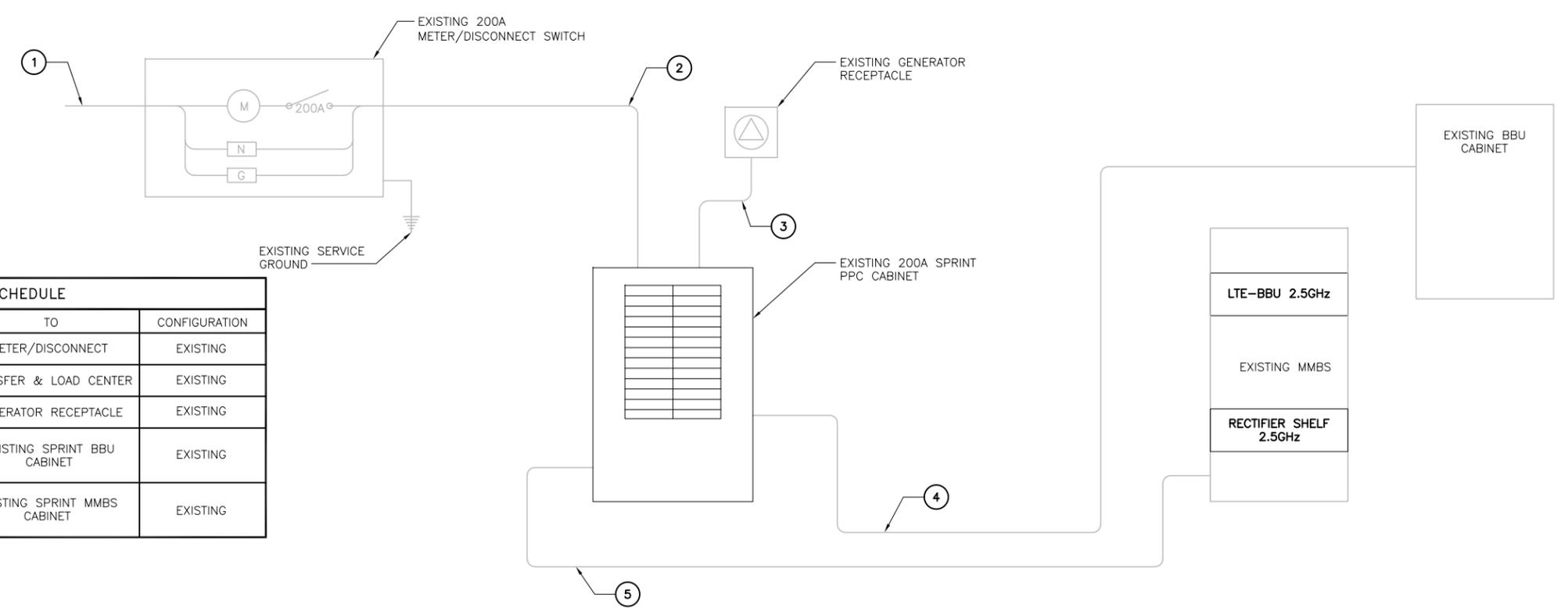
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ELECTRICAL & GROUNDING DETAILS

E-2

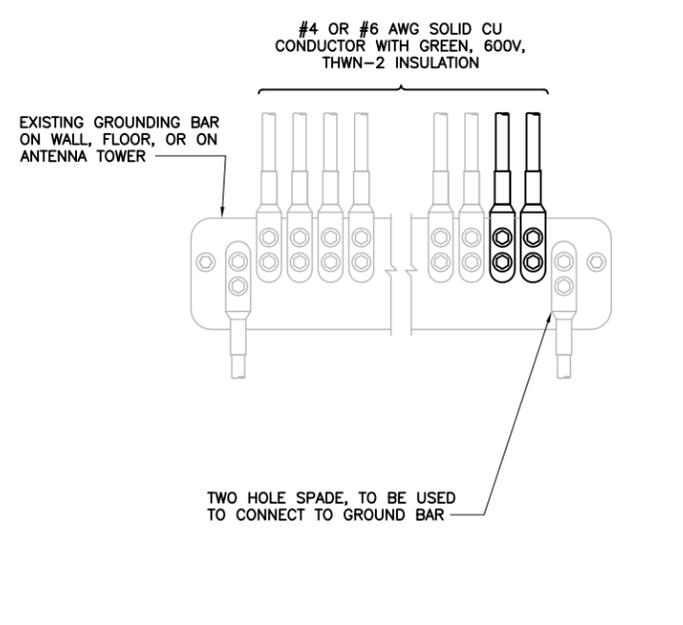
**NOTES**  
CG SHALL REFERENCE ALL SPECS FOR "CONNECTING THE POWER SUPPLY" OF THE NEW INSTALLATION DOCUMENTS, FOR ALL CONNECTION SPECIFICATIONS.



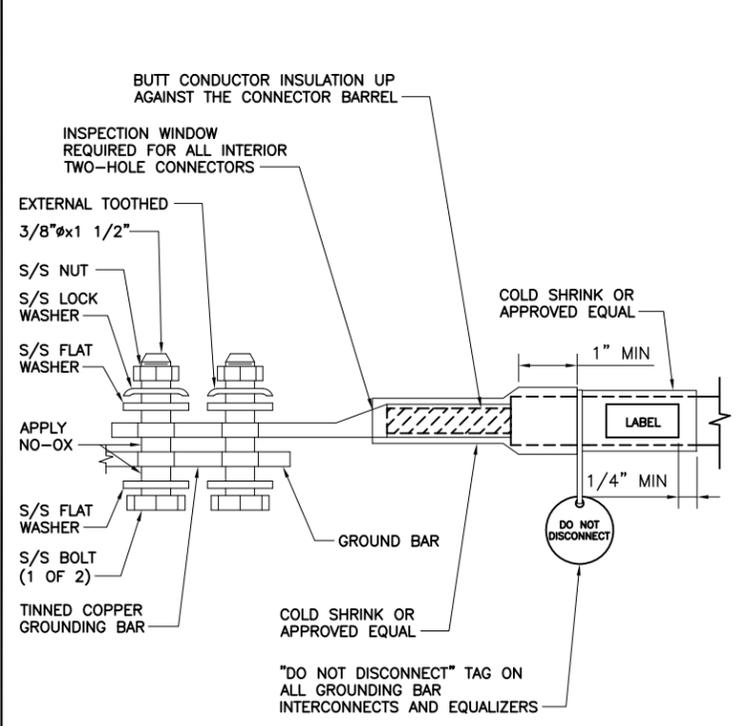
CIRCUIT SCHEDULE			
NO	FROM	TO	CONFIGURATION
①	UTILITY SOURCE	METER/DISCONNECT	EXISTING
②	METER/DISCONNECT	TRANSFER & LOAD CENTER	EXISTING
③	TRANSFER & LOAD CENTER	GENERATOR RECEPTACLE	EXISTING
④	TRANSFER & LOAD CENTER	EXISTING SPRINT BBU CABINET	EXISTING
⑤	TRANSFER & LOAD CENTER	EXISTING SPRINT MMBS CABINET	EXISTING

ELECTRICAL ONE-LINE DIAGRAM

NO SCALE 1



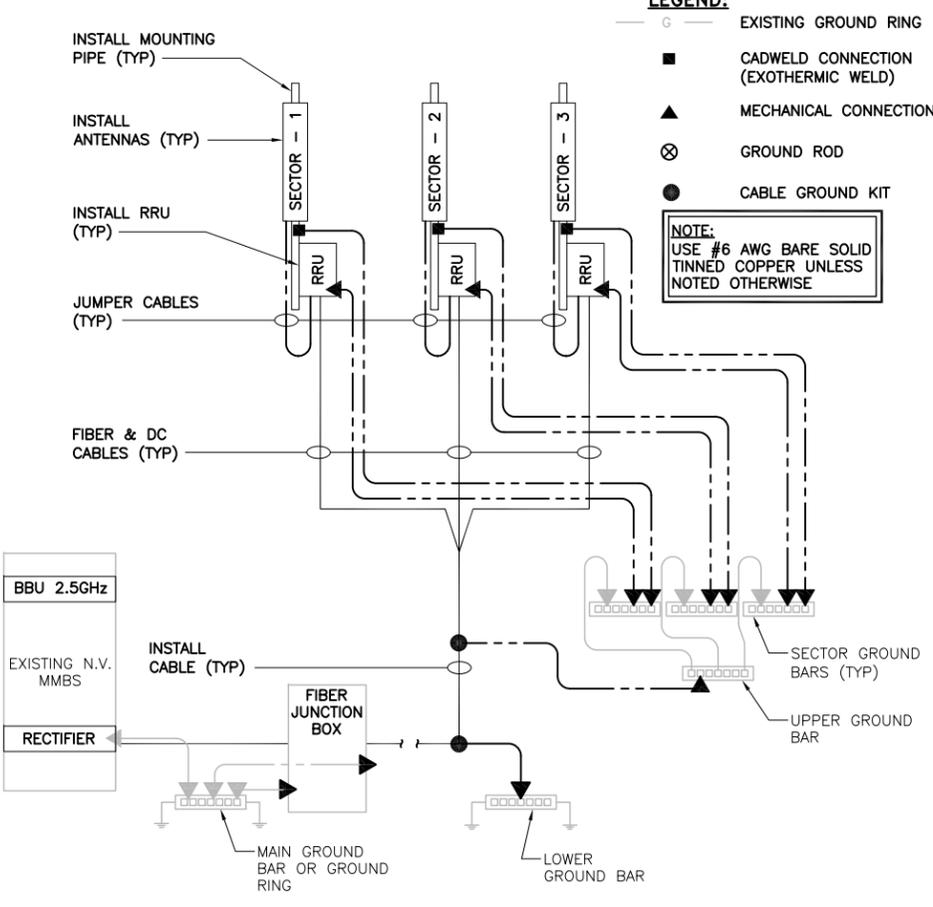
**NOTES**  
1. APPLY NO-OX TO LUG AND BAR CONTACT SURFACE. DO NOT COAT INLINE LUG.  
2. IF STOLEN GROUND BARS ARE ENCOUNTERED, CONTACT SPRINT CM FOR REPLACEMENT THREADED ROD KIT.



**NOTES**  
"DO NOT DISCONNECT" TAG ON ALL GROUNDING BAR INTERCONNECTS AND EQUALIZERS

TWO HOLE LUG

NO SCALE 3



GROUNDING RISER DIAGRAM

NO SCALE 4

INSTALLATION OF GROUNDING CONDUCTOR TO GROUNDING BAR

NO SCALE 2