

AN ORDINANCE 2013-11-07-0763

AUTHORIZING TWO SPRINT SPECTRUM L.P. TOWER LEASE AMENDMENTS FOR CITY TOWERS LOCATED AT 2059 WEST BITTERS ROAD, SAN ANTONIO, TEXAS 78237 IN CITY COUNCIL DISTRICT 9 AND 4531 ZARZAMORA STREET, SAN ANTONIO, TEXAS IN CITY COUNCIL DISTRICT 5.

* * * * *

WHEREAS, Sprint Spectrum L.P. entered into Standard Tower Lease Agreements for City Towers located at 4531 Zarzamora Street, San Antonio, Texas 78211 and 2059 West Bitters Road, San Antonio, Texas, respectively, on February 15, 2005 and May 4, 2000; and

WHEREAS, City staff has received an application from Sprint Spectrum, L.P. to modify its telecommunications facilities on said City Towers in accordance with the terms of the Amendments to the Standard Tower Lease Agreements (“Amendments”); **NOW THEREFORE:**

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF SAN ANTONIO:

SECTION 1. The application of Sprint Spectrum, L.P. to modify its telecommunications facilities on the above referenced City Towers and in the manner set out in the respective Amendments, is hereby approved. The City Manager or her designee is authorized to execute the Amendments attached hereto as **Exhibits A and B.**

SECTION 2. Funds generated by this Ordinance will be deposited into Fund 74001000, Internal Order 209000000023 and General Ledger 4401170.

SECTION 3: The financial allocations in this Ordinance are subject to approval by the Director of Finance, City of San Antonio. The Director of Finance, may, subject to concurrence by the City Manager or the City Manager's designee, correct allocations to specific SAP Fund Numbers, SAP Project Definitions, SAP WBS Elements, SAP Internal Orders, SAP Fund Centers, SAP Cost Centers, SAP Functional Areas, SAP Funds Reservation Document Numbers, and SAP GL Accounts as necessary to carry out the purpose of this Ordinance.

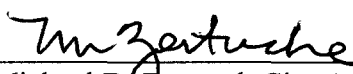
SECTION 4. This Ordinance shall be effective immediately upon passage by eight affirmative votes; otherwise, it shall be effective on the tenth day after passage.

PASSED AND APPROVED this 7th day of November, 2013.


M A Y O R
Julián Castro

ATTEST:

Leticia M. Vacek, City Clerk

APPROVED AS TO FORM:

Michael D. Bernard, City Attorney

Agenda Item:	32 (in consent vote: 7, 8, 9, 10, 11, 12, 13, 14, 16, 17, , , 18, 19, 20, 21, 22, 23, 25, 26, 27, 28, 29, 30, 31, 32, 33, 35)						
Date:	11/07/2013						
Time:	11:18:38 AM						
Vote Type:	Motion to Approve						
Description:	An Ordinance approving two Sprint Spectrum L.P., Tower Lease Amendments for City's Towers located at the Bitters Road site and at the Zarzamora site. [Ben Gorzell, Chief Financial Officer; Hugh Miller, Director, Information Technology Services]						
Result:	Passed						
Voter	Group	Not Present	Yea	Nay	Abstain	Motion	Second
Julián Castro	Mayor		x				
Diego Bernal	District 1		x				
Ivy R. Taylor	District 2		x				x
Rebecca Viagran	District 3		x				
Rey Saldaña	District 4		x			x	
Shirley Gonzales	District 5	x					
Ray Lopez	District 6		x				
Cris Medina	District 7		x				
Ron Nirenberg	District 8		x				
Joe Krier	District 9		x				
Carlton Soules	District 10		x				

EXHIBIT “A”

AMENDMENT NO. 1 TO STANDARD TOWER LEASE AGREEMENT

This Amendment No. 1 to Standard Tower Lease Agreement (this “**First Amendment**”), effective as of the date last signed below (“**Effective Date**”), amends a certain Standard Tower Lease Agreement between Sprint Spectrum Realty Company, L.P., a Delaware limited partnership, successor in interest to Sprint Spectrum L.P., a Delaware limited partnership (“**Tenant**”) and City of San Antonio, a Texas municipal corporation (“**City**”), dated May 4, 2000 (the “**Lease**”).

BACKGROUND

WHEREAS, Tenant desires to modify its installation on the Premises by adding or swapping out antennas and other equipment, as more particularly described in Exhibit A-1 annexed hereto, and Tenant and City desire to modify the provisions of the Lease as provided below.

AGREEMENT

For good and valuable consideration the receipt and sufficiency of which are acknowledged, City and Tenant agree as follows:

1. **Modification to the Equipment.** Exhibit A to the Lease is hereby amended to include the modifications identified on Exhibit A-1, a copy of which is attached and made a part hereof. Exhibit A-1 supplements Exhibit A to the Lease, and shall not be deemed to supersede or otherwise modify Exhibit A or any part thereof except to the extent specifically set forth in Exhibit A-1. Upon full execution of this First Amendment, Tenant is permitted to do all work necessary to prepare, maintain and alter the Premises to install or otherwise modify the equipment, all as more fully described and contemplated in Exhibit A-1.

2. **Frequency Use.** Provided that any frequencies used by Tenant will not cause interference with the properly licensed and permitted pre-existing frequencies in use or in operation at the Equipment and notwithstanding anything to the contrary contained herein, Tenant may operate the equipment at any frequencies for which it has all requisite permits, leases or licenses.

3. **Modification to Lease Rate Structure.** Section 5.01 of the Lease is hereby deleted in its entirety and replaced by the following:

"5.01 TENANT agrees to pay rent to the City at the Department of Asset Management or elsewhere as designated in writing by City. The rent for the term of years is to be divided as follows:

A.	<u>1st 5-year period</u> (2001-2005):	\$ 7,000 per year
B.	<u>2nd 5-year period</u> (2006-2010):	\$ 8,050 per year
C.	<u>3rd 5-year period</u> (2011-2015):	\$ 9,300 per year
	(January 5, 2013 through August 4, 2013):	\$ 9,300 per year
	(August 5, 2013 through December 4, 2013):	\$38,439 per year
	(December 5, 2013 through May 4, 2014):	\$39,592 per year
	(May 5, 2014 through May 4, 2015):	\$40,780 per year
D.	<u>4th 5-year period</u>	
	(May 5, 2015 through May 4, 2016):	\$42,003 per year
	(May 5, 2016 through May 4, 2017):	\$43,264 per year
	(May 5, 2017 through May 4, 2018):	\$44,562 per year
	(May 5, 2018 through May 4, 2019):	\$45,898 per year
	(May 5, 2019 through May 4, 2020):	\$47,275 per year

4. **One Time Fee.** As consideration for the modification and other rights as set forth in this First Amendment, Tenant agrees to pay Landlord a one time fee of \$4,000.00, such fee shall be payable directly to Landlord within thirty (30) days of the parties' full execution of this First Amendment and delivery of fully executed original of this First Amendment to Tenant.

5. **Improvements and Repairs.** Subsection XV(15.01) of the Lease Agreement is hereby deleted and replaced with the following:

"Tenant may, at its expense, make improvements on and to the Premises as it deems necessary or desirable from time to time for the operation of the equipment by providing City with thirty (30) days prior written notice thereof and Tenant shall follow the City's standard process for review of Tenant's constructions drawings and structural analysis by the appropriate City department(s) and agencies including the City's Planning Commission and Historical Design and Review Commission. All construction work performed by Tenant or on Tenant's behalf within the Premises shall be performed in a good and workmanlike manner, in compliance with all City and governmental requirements. City agrees to cooperate with Tenant with respect to obtaining any required zoning or other governmental approvals for the Premises, the equipment and contemplated use thereof."

6. **Notice Address.** The notice addresses in Section XXII of the Lease for the party or parties listed below are hereby deleted in their entirety and replaced with the following:

To City: City of San Antonio
515 South Frio Street
San Antonio, TX 78207-5009

To Tenant: Sprint Property Services
Sprint Site ID: SA13XC135-A
Mailstop KSOPHT0101-Z2650
6391 Sprint Parkway
Overland Park, Kansas 66251-2650

With a mandatory copy to: Sprint Law Department
Sprint Site ID: SA13XC135-A
Mailstop KSOPHT0101-Z2020
6391 Sprint Parkway
Overland Park, Kansas 66251-2020
Attn.: Real Estate Attorney

7. **General Terms and Conditions.**

a. All capitalized terms used in this First Amendment, unless otherwise defined herein, will have the same meaning as the terms contained in the Lease.

b. In case of any inconsistencies between the terms and conditions contained in the Lease and the terms and conditions contained in this First Amendment, the terms and conditions herein will control. Except as set forth below, all provisions of the Lease are ratified and remain unchanged and in full force and effect.

c. This First Amendment may be executed in duplicate counterparts, each of which will be deemed an original.

d. Each of the parties represents and warrants that it has the right, power, legal capacity and authority to enter into and perform its respective obligations under this First Amendment.

SIGNATURES ON FOLLOWING PAGE

The parties have executed this First Amendment as of the Effective Date.

City:

City of San Antonio,
a Texas municipal corporation

Tenant:

Sprint Spectrum Realty Company, L.P.,
a Delaware limited partnership

By: _____

Printed Name: _____

Title: _____

Date: _____

By: DPBA

Printed Name: DARWIN L BAKER

Title: TEXAS AREA MANAGER

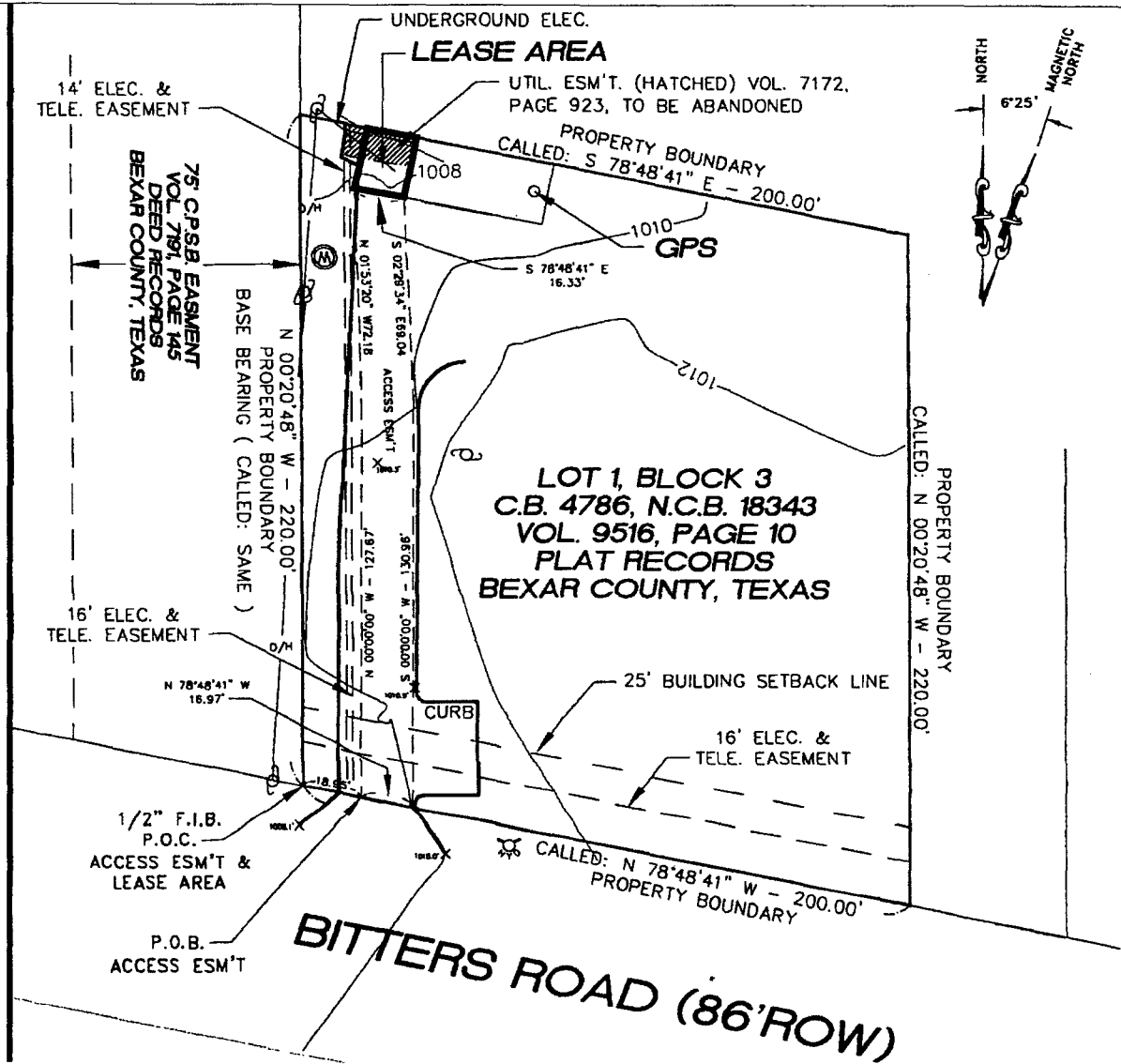
Date: 11/4/13

Exhibit A-1

[see attached]

ABBREVIATIONS	
AFF	ABOVE FINISHED FLOOR
AGL	ABOVE GRADE LEVEL
AMSL	ABOVE MEAN SEA LEVEL
APPROX	APPROXIMATE
AWG	AMERICAN WIRE GAUGE
BLDG	BUILDING
BTS	BASE TRANSMISSION STATION
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CND	CONDUIT
DWG	DRAWING
FT	FOOT (FEET)
EGB	EQUIPMENT GROUND BAR
ELEC	ELECTRICAL
EMT	ELECTRICAL METALLIC TUBING
ELEV	ELEVATION
EQUIP	EQUIPMENT
(E)	EXISTING
EXT	EXTERIOR
FND	FOUNDATION
F	FIBER
GA	GAUGE
GALV	GALVANIZED
GPS	GLOBAL POSITIONING SYSTEM
GND	GROUND
LTE	LONG TERM EVOLUTION
MAX	MAXIMUM
MFR	MANUFACTURER
MGB	MASTER GROUND BAR
MIN	MINIMUM
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
OE/OT	OVERHEAD ELECTRIC/TELECOM
PPC	POWER PROTECTION CABINET
RBS	RADIO BASED STATION
RRU	REMOTE RADIO UNIT
RGS	RIGID GALVANIZED STEEL
IN	INCH(ES)
INT	INTERIOR
LB(S) or #	POUND(S)
SF	SQUARE FOOT
STL	STEEL
TYP	TYPICAL
UE/UT	UNDERGROUND ELECTRIC/TELECOM
UNO	UNLESS NOTED OTHERWISE
VIF	VERIFY IN FIELD
W/	WITH
XFMR	TRANSFORMER

SYMBOLS	
	REVISION
	WORK POINT
	UTILITY POLE
	BRICK
	COMPRESSED STONE
	CONCRETE
	EARTH
	GRAVEL
	MASONRY
	STEEL
	CENTERLINE
	PROPERTY LINE
	LEASE LINE
	EASEMENT LINE
	CHAIN LINK FENCE
	WOOD FENCE
	UNDERGROUND ELECTRIC
	UNDERGROUND TELEPHONE
	OVERHEAD ELECTRIC/TELEPHONE



1 OVERALL SITE PLAN
 FULL SIZE PLOT: SCALE: 1" = 20'-0"
 HALF SIZE PLOT: SCALE: 1" = 40'-0"
 TRUE NORTH

PREPARED FOR:

Sprint

1 INTERNATIONAL BOULEVARD
 SUITE #800
 MAHWAH, N.J. 07495

CONSULTANT:

POWDER RIVER
 Development Services, LLC
 100 E. SHENANGO STREET
 SHARPSVILLE, PA 16150
 724.962.5999
 www.powderriverdev.com
 PDS PROJNO. 1181-081911

SITE NAME:
SPRING LAKE FIRE STATION #43

SITE NUMBER:
SA13XC135

SITE ADDRESS:
 2059 W. BITTERS ROAD
 SAN ANTONIO, TX 78248

STAMP:

FOR REFERENCE ONLY

DRAWN BY:	KE		
APPROVED BY:	G.W.C.		
DATE DRAWN:	09/07/11		
REVISION:			
NO	DESCRIPTION	BY	DATE
1	SUBMISSION: 90% CD	KE	09/07/11
2	FINALS	TM	11/07/11
3	FINALS-REV1	TM	08/17/12

SHEET TITLE:
OVERALL SITE PLAN

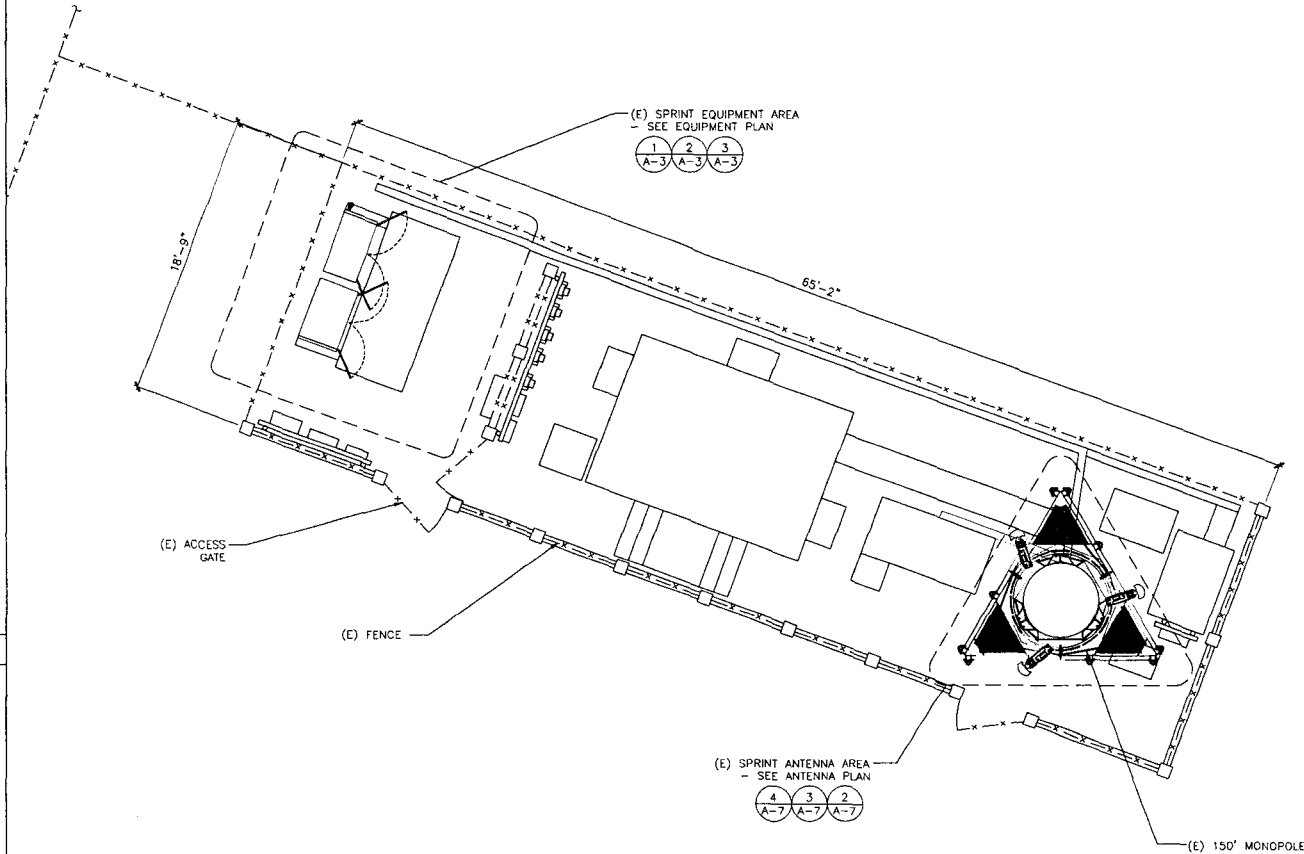
SHEET NUMBER:
A-1

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AGL	ABOVE GRADE LEVEL
AMSL	ABOVE MEAN SEA LEVEL
APPROX	APPROXIMATE
AWG	AMERICAN WIRE GAUGE
BLDG	BUILDING
BTS	BASE TRANSMISSION STATION
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CND	CONDUIT
DWG	DRAWING
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GPS	GLOBAL POSITIONING SYSTEM
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LTE	LONG TERM EVOLUTION
MAX	MAXIMUM
MFR	MANUFACTURER
MGB	MASTER GROUND BAR
MIN	MINIMUM
N.T.S	NOT TO SCALE
O.C.	ON CENTER
OE/OT	OVERHEAD ELECTRIC/TELCO
PPC	POWER PROTECTION CABINET
RBS	RADIO BASED STATION
RRU	REMOTE RADIO UNIT
ROS	RIGID GALVANIZED STEEL
IN	INCH(ES)
INT	INTERIOR
LB(S) or #	POUND(S)
SF	SQUARE FOOT
STL	STEEL
TYP	TYPICAL
UE/UT	UNDERGROUND ELECTRIC/TELCO
UNO	UNLESS NOTED OTHERWISE
VIF	VERIFY IN FIELD
W/	WITH
XFMR	TRANSFORMER

SYMBOLS

	REVISION
	WORK POINT
	UTILITY POLE
	BRICK
	COMPRESSED STONE
	CONCRETE
	EARTH
	GRAVEL
	MASONRY
	STEEL
	CENTERLINE
	PROPERTY LINE
	LEASE LINE
	EASEMENT LINE
	CHAIN LINK FENCE
	WOOD FENCE
	UE UNDERGROUND ELECTRIC
	UT UNDERGROUND TELEPHONE
	OE/OT OVERHEAD ELECTRIC/TELEPHONE



1 ENLARGED SITE PLAN

FULL SIZE PLOT: SCALE: 1/4" = 1'-0"
 HALF SIZE PLOT: SCALE: 1/2" = 1'-0"

0 1.5' 3' 5'

PREPARED FOR:



1 INTERNATIONAL BOULEVARD
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 MAHWAH, N.J. 07495

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 www.powderriverdev.com
 PDS PROJ.NO. 1181-081911

SITE NAME:
**SPRING LAKE
 FIRE STATION #43**

SITE NUMBER:
SA13XC135

SITE ADDRESS:
 2059 W. BITTERS ROAD
 SAN ANTONIO, TX 78248

STAMP:



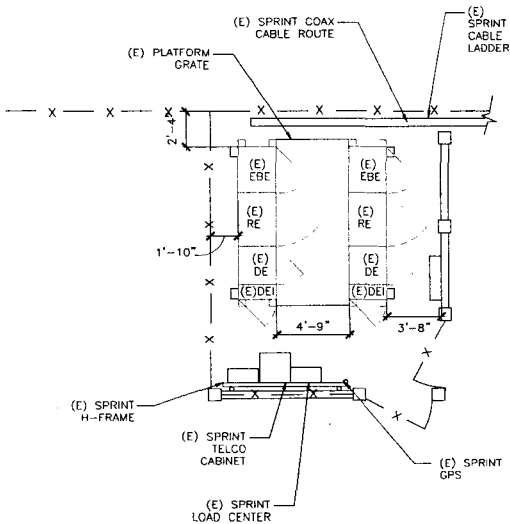
DRAWN BY: KE
 APPROVED BY: G.W.C.

DATE DRAWN: 09/07/11
 REVISION

NO	DESCRIPTION	BY	DATE
1	SUBMISSION: 90% CD	KE	09/07/11
2	FINALS	TM	11/07/11
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SHEET TITLE:
ENLARGED SITE PLAN

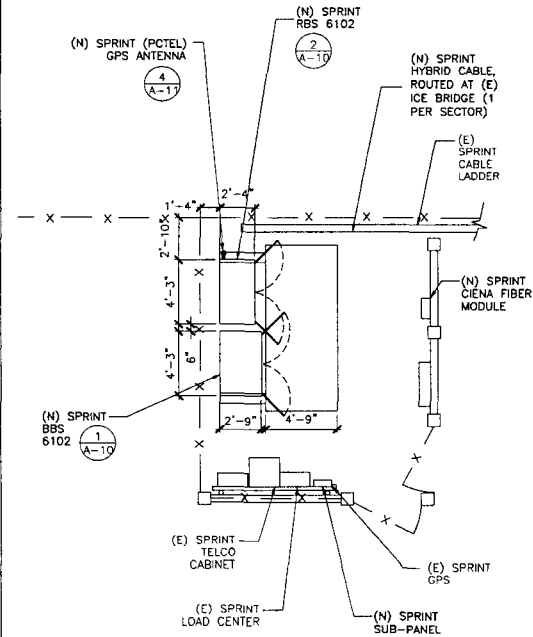
SHEET NUMBER:
A-2



COLD SLIDE

3 EQUIPMENT SITE PLAN (EXISTING)
 FULL SIZE PLOT: SCALE: 1/4" = 1'-0"
 HALF SIZE PLOT: SCALE: 1/8" = 1'-0"
 0 1' 2' 4' 8'

2 NOT USED
 FULL SIZE PLOT: SCALE: 1/4" = 1'-0"
 HALF SIZE PLOT: SCALE: 1/8" = 1'-0"
 0 1' 2' 4' 8'



1 EQUIPMENT SITE PLAN (FINAL)
 FULL SIZE PLOT: SCALE: 1/4" = 1'-0"
 HALF SIZE PLOT: SCALE: 1/8" = 1'-0"
 0 1' 2' 4' 8'

PREPARED FOR:



1 INTERNATIONAL BOULEVARD
 SUITE #800
 MAHWAH, N.J. 07495

CONSULTANT:



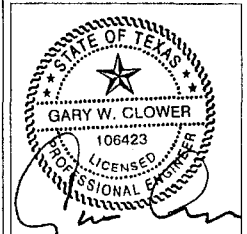
POWDER RIVER
 Development Services, LLC
 100 E. SHENANGO STREET
 SHARPSVILLE, PA 16150
 724.962.5999
 www.powderriverdev.com
 PDS PROJ. NO. 1181-081911

SITE NAME:
**SPRING LAKE
 FIRE STATION #43**

SITE NUMBER:
SA13XC135

SITE ADDRESS:
 2059 W. BITTERS ROAD
 SAN ANTONIO, TX 78248

STAMP:

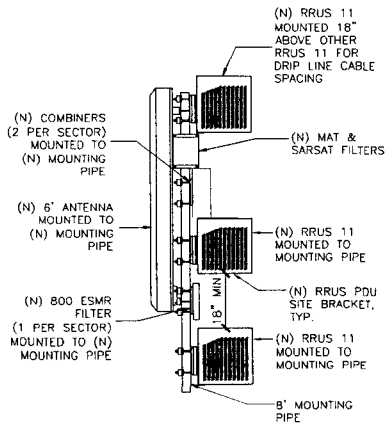


DRAWN BY: KE
 APPROVED BY: G.W.C.
 DATE DRAWN: 09/07/11

NO	DESCRIPTION	BY	DATE
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Δ	FINALS	TM	11/07/11
Δ	FINALS-REV1	TM	08/17/12

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EQUIPMENT PLANS

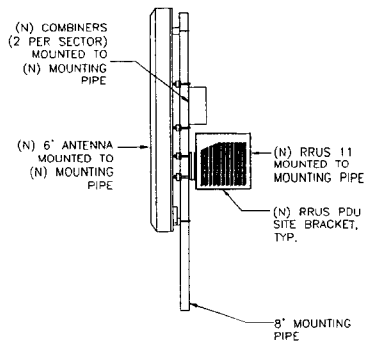
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A-3



SIDE VIEW WITH 6" ANTENNA

ANTENNA DETAIL (FINAL CONFIGURATION)

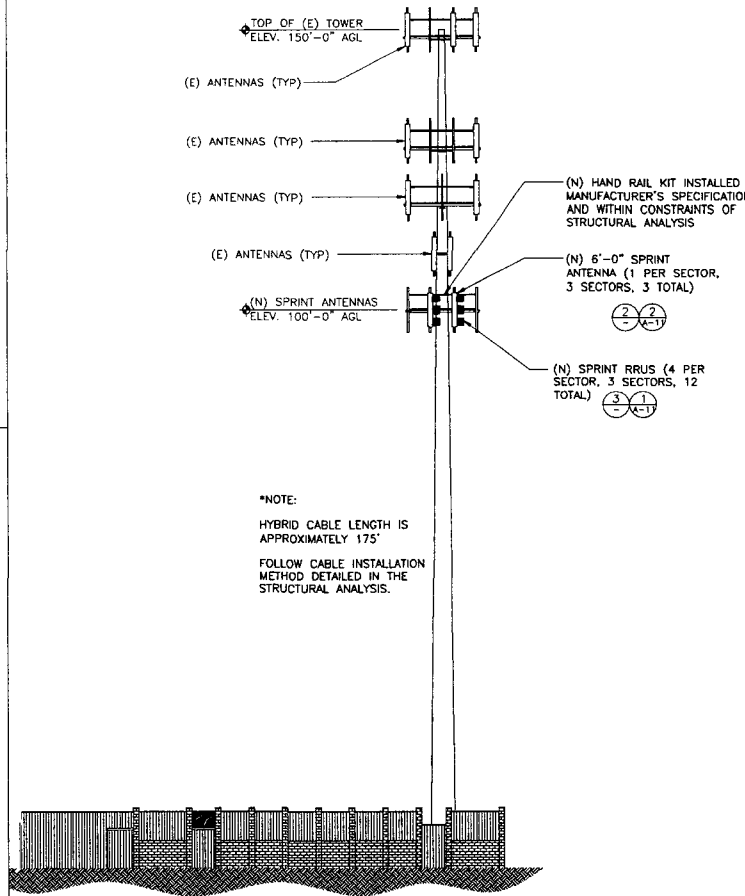
3 SCALE: N.T.S.



SIDE VIEW WITH 6" ANTENNA

ANTENNA DETAIL (FIRST TOUCH)

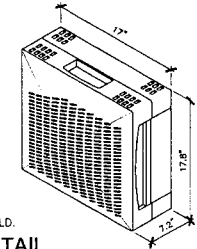
2 SCALE: N.T.S.



1 SITE ELEVATION

SCALE: 3/32" = 1'-0"

ERICSSON RRU11
 - DIMENSIONS (H x W x D): 17.8" x 17.0" x 7.2" (INCLUDES SUNSHIELD)
 - WEIGHT: 55 LBS
 - CLIMATE: -40°C TO +55°C (SELF CONVECTION SILENT, NO FANS, IP55)
 - POWER CONSUMPTION: 200 WATTS (TYP.)



NOTE: RRU11 CAN ONLY BE PAINTED ON SOLAR SHIELD.
4 RRU11 DETAIL
 SCALE: N.T.S.

- NOTES:**
- CONTRACTOR TO FIELD VERIFY ANTENNA CABLE LENGTHS.
 - ALL MAIN CABLES WILL BE COLOR CODED AT THREE (3) LOCATIONS.
 - COLOR CODE ALL ANTENNA AND COAX WITH 2" WIDE BANDS OF COLORED TAPE WITH 1" SEPARATION BETWEEN BANDS - SEE SHEET A-8 & A-9
 - COLOR CODE ALL TOP AND BOTTOM GROUND KITS WITH 1" WIDE BANDS OF COLORED TAPE WITH 1/2" SEPARATION BETWEEN BANDS.
 - START COLOR BANDS 2" BEYOND WEATHERPROOFING.
 - START SECTOR COLOR NEXT TO END CONNECTOR.
 - ALL MAIN CABLES WILL BE GROUNDING W/ COAXIAL CABLE GROUND KITS AT:
 - THE ANTENNA LEVEL
 - MID LEVEL IF TOWER IS OVER 200'
 - BASE OF TOWER PRIOR TO TURNING HORIZONTAL
 - TERMINATION OF COAX LINES TO JUMPERS

- ALL NEW GROUND BAR DOWNLOADS ARE TO BE CADWELDED TO THE EXISTING ADJACENT GROUND BAR DOWNLOADS A MINIMUM DISTANCE OF 4FT BELOW GROUND BAR
 - PROVIDE BUS BAR NEAR BTS FOR ATTACHMENT OF WIMAX COAX GROUND KITS
- COAXIAL ANTENNA CABLE NOTES:**
- THE ANTENNA COAXIAL CABLE INSTALLER SHALL BE RESPONSIBLE FOR PERFORMING AND SUPPLYING SPRINT WITH 3 TYPED WRITTEN SWEEP TESTS (ANTENNA RETURN LOSS TEST). THIS TEST SHALL BE PERFORMED TO THE SPECIFICATIONS AND PARAMETERS OUTLINED BY THE SPRINT RADIO FREQUENCY (RF) ENGINEER. THIS TEST SHALL BE PERFORMED PRIOR TO FINAL ACCEPTANCE OF THE SITE/
 - THE COAXIAL ANTENNA CABLE INSTALLER SHALL BE RESPONSIBLE FOR PERFORMING AND SUPPLYING SPRINT WITH 3 TYPED WRITTEN TIME DOMAIN REFLECTOMETER (TDR) TESTS TO VERIFY CABLE LENGTH AND TO CHECK FOR WATER DAMAGE.
 - VAPOR WRAP WILL BE USED TO SEAL ALL CONNECTIONS.
 - ALL JUMPERS TO THE ANTENNAS FROM THE MAIN TRANSMISSION LINE WILL BE 1/2" JUMPERS AND SHALL NOT EXCEED 6'-0" MAXIMUM LENGTH FOR THE JUMPERS AT WIMAX BTS UNITS WILL BE 6'-0".
 - IF COAX IS BEING RE-USED FOR THIS INSTALLATION, PRE AND POST ANTENNA LINE SWEEPS ARE REQUIRED.
 - UPON COMPLETION, PROVIDE A HEIGHT VERIFICATION DEPICTING RAD CENTER AND TOP OF ANTENNA.

- NOTES:**
- ALL AZIMUTHS ARE TO BE ESTABLISHED CLOCKWISE FROM THE TRUE NORTH HEADING.
 - CONTRACTOR SHALL VERIFY PROPOSED ANTENNA RAD CENTER AND ORIENTATIONS WITH SPRINT PCS PRIOR TO INSTALLATION OF ANTENNAS
 - PRIOR TO ATTACHING ANTENNAS AND MOUNTING SECTIONS, EXISTING TOWER AND TOWER FOUNDATION MUST BE ANALYZED BY A LICENSED STRUCTURAL ENGINEER TO VERIFY TOWER IS CAPABLE OF SUPPORTING THE PROPOSED LOADS. REFER TO STRUCTURAL ANALYSIS BY OTHERS.
 - CONTRACTOR SHALL REFER TO TOWER STRUCTURAL CALCULATIONS FOR ADDITIONAL LOADS. NO ERECTION OR MODIFICATION OF TOWER SHALL BE MADE WITHOUT APPROVAL OF STRUCTURAL ENGINEER.

PREPARED FOR:

1 INTERNATIONAL BOULEVARD
 SUITE #800
 MAHWAH, N.J. 07495

CONSULTANT:

POWDER RIVER
 Development Services, LLC
 100 E. SHENANGO STREET
 SHARPSVILLE, PA 16150
 724.962.5999
 www.powderriverdev.com
 PRDS PROJ.NO. 1181-081811

SITE NAME:
SPRING LAKE FIRE STATION #43

SITE NUMBER:
SA13XC135

SITE ADDRESS:
 2059 W. BITTERS ROAD
 SAN ANTONIO, TX 78248

STAMP:

DRAWN BY:	KE
APPROVED BY:	G.W.C.
DATE DRAWN:	09/07/11
REVISION	
NO. DESCRIPTION	BY DATE
Δ SUBMISSION: 90% CD	KE 09/07/11
Δ FINALS	TM 11/07/11
Δ FINALS-REV1	TM 08/17/12

SHEET TITLE:
SITE ELEVATION & ANTENNA DETAILS

SHEET NUMBER:
A-4

PREPARED FOR:



1 INTERNATIONAL BOULEVARD
SUITE #800
MAHWAH, N.J. 07495

CONSULTANT:



POWDER RIVER
Development Services, LLC
100 E. SHENANGO STREET
SHARPSVILLE, PA 16150
724.962.5999
www.powderriverdev.com

SITE NAME:

**SPRING LAKE
FIRE STATION #43**

SITE NUMBER:

SA13XC135

SITE ADDRESS:

2059 W. BITTERS ROAD
SAN ANTONIO, TX 78248

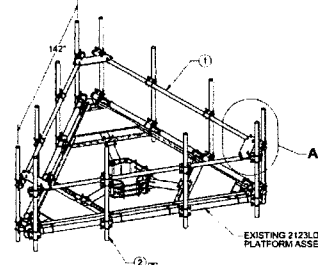
STAMP:



DRAWN BY:	KE		
APPROVED BY:	G.W.C.		
DATE DRAWN:	09/07/11		
REVISION			
NO	DESCRIPTION	BY	DATE
Δ	SUBMISSION: 90% CD	KE	09/07/11
Δ	FINALS	TM	11/07/11
Δ	FINALS-REV1	TM	08/17/12

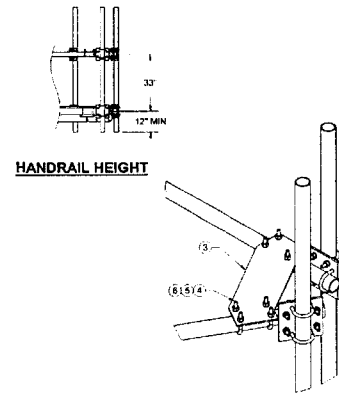
SHEET TITLE:
**ENLARGED ANTENNA
PLANS**

SHEET NUMBER:
A-7

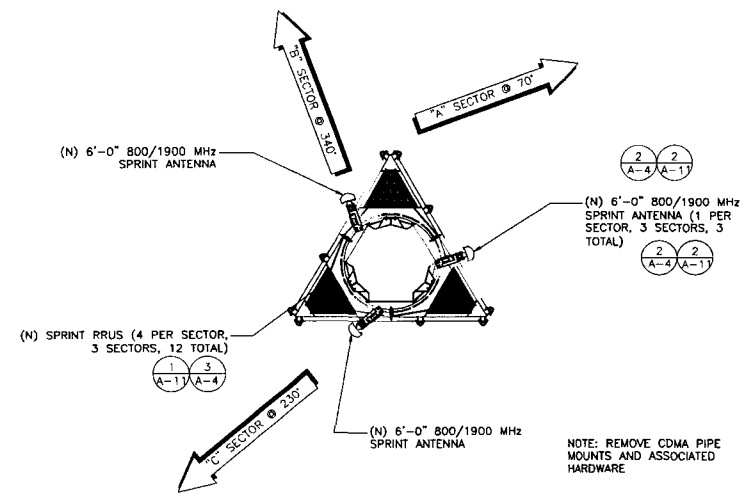


1. FULL COMPLEMENT OF ANTENNA MOUNT PIPES SHOWN
2. ITEM 3, ANTENNA MOUNT PIPE ASSY, TO BE ORDERED SEPARATELY. A MINIMUM OF SIX ANTENNA PIPES ARE REQUIRED (THREE PER FACE).
3. WIND RATING: 80mph WITH TWELVE 5.60FT ANTENNAS INSTALLED. CONTACT THE FACTORY FOR WIND RATINGS FOR OTHER ANTENNA SIZES AND/OR QUANTITIES.

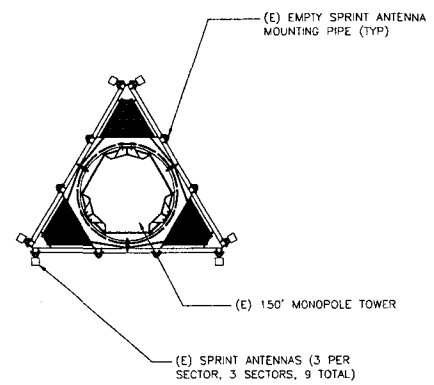
ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	3	2125-160	PIPE, 2" (2.38" OD) SCHED 40 X 160" LG. GALV
2	6-12	2123-D-SH-PIPEKIT (2)	ANTENNA MOUNT PIPE ASSY, 12" (2.38" OD) SCHED 40 GALV
3	3	7000-2123LO-14.1	CORNER BRACKET, 1/2" PLATE
4	12	4496-4G	U-BOLT, 2" (2.38" OD) PIPE, GALV (1/2" DIA)
5	24	4850G	NUT, 1/2" HEX, A307 GALV
6	24	4754G	WASHER, 1/2" RSER LOCK, GALV



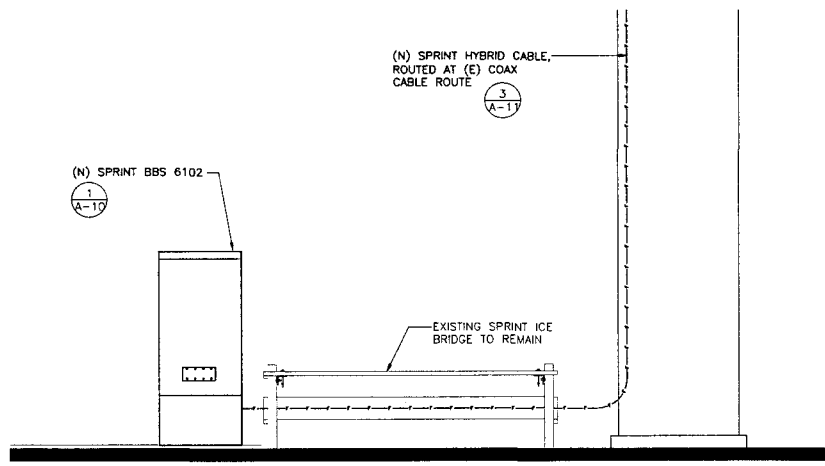
3 HANDRAIL DETAIL
SCALE: 1/4" = 1'-0"



4 PROPOSED ANTENNA PLAN - FINAL
SCALE: 1/4" = 1'-0"



2 EXISTING ANTENNA PLAN
SCALE: 1/4" = 1'-0"



1 COAX RUN DIAGRAM
SCALE: 1/2" = 1'-0"

EXHIBIT “B”

AMENDMENT NO. 1 TO STANDARD TOWER LEASE AGREEMENT WITH SPRINT SPECTRUM AT 4531 ZARZAMORA ST.

This Amendment No. 1 to Standard Tower Lease Agreement with Sprint Spectrum At 4531 Zarzamora St. (this “**First Amendment**”), effective as of the date last signed below (“**Effective Date**”), amends a certain Standard Tower Lease Agreement with Sprint Spectrum At 4531 Zarzamora St. between Sprint Spectrum Realty Company, L.P., a Delaware limited partnership, successor in interest to Sprint Spectrum L.P., a Delaware limited partnership (“**Tenant**”) and the City of San Antonio, a Texas municipal corporation (“**City**”), dated August 16, 2005 (the “**Lease Agreement**”).

BACKGROUND

WHEREAS, Tenant desires to modify its installation on the Premises by adding or swapping out antennas and other equipment as more particularly described in Exhibit A-1 annexed hereto, and Tenant and City desire to modify the provisions of the Lease Agreement as provided below.

AGREEMENT

For good and valuable consideration the receipt and sufficiency of which are acknowledged, City and Tenant agree as follows:

1. **Modification to the Equipment and Tower.** Exhibit A to the Lease Agreement is hereby amended to include the modifications identified on Exhibit A-1, a copy of which is attached and made a part hereof. Exhibit A-1 supplements Exhibit A to the Lease Agreement, and shall not be deemed to supersede or otherwise modify Exhibit A or any part thereof except to the extent specifically set forth in Exhibit A-1. Upon full execution of this First Amendment, Tenant is permitted to do all work necessary to prepare, maintain and alter the Premises to install or otherwise modify the equipment and the tower, all as more fully described and contemplated in Exhibit A-1.

2. **Frequency Use.** Provided that any frequencies used by Tenant will not cause interference with the properly licensed and permitted pre-existing frequencies in use or in operation at the equipment and notwithstanding anything to the contrary contained herein, Tenant may operate the equipment at any frequencies for which it has all requisite permits, leases or licenses. This paragraph does not supersede Tenant’s obligations under Section VIII. INTERFERENCE (Subsections 8.01 and 8.02) of the Standard Tower Lease Agreement.

3. **Modification to Lease Rate Structure.** Section 5.01 of the Lease is hereby deleted in its entirety and replaced by the following:

"5.01 TENANT agrees to pay rent to the City at the Information Technology Services Department or elsewhere as designated in writing by City. The increase in annual rent includes a 3% escalation factor and is rounded to the nearest dollar in the rent schedule below. The rent for the term of years is to be divided as follows:

A.	<u>1st 5-year period</u> (2005-2010):	\$12,500 per year
B.	<u>2nd 5-year period</u> (2011 and 2015):	\$14,400 per year
	(January 16, 2013 through August 15, 2013):	\$14,400 per year
	(August 16, 2013 through December 15, 2013):	\$38,439 per year
	(December 16, 2013 through August 15, 2014):	\$39,592 per year
	(August 16, 2014 through August 15, 2015):	\$40,780 per year
C.	<u>3rd 5-year period</u>	
	(August 16, 2015 through August 15, 2016):	\$42,003 per year
	(August 16, 2016 through August 15, 2017):	\$43,264 per year
	(August 16, 2017 through August 15, 2018):	\$44,562 per year
	(August 16, 2018 through August 15, 2019):	\$45,898 per year
	(August 16, 2019 through August 15, 2020):	\$47,275 per year
D.	<u>4th 5-year period</u>	

(August 16, 2020 through August 15, 2021):	\$48,694 per year
(August 16, 2021 through August 15, 2022):	\$50,154 per year
(August 16, 2022 through August 15, 2023):	\$51,659 per year
(August 16, 2023 through August 15, 2024):	\$53,209 per year
(August 16, 2024 through August 15, 2025):	\$54,805 per year"

4. **One Time Fee.** As consideration for the modification and other rights as set forth in this First Amendment, Tenant agrees to pay Landlord a one time fee of \$4,000.00, such fee shall be payable directly to City within thirty (30) days following the Effective Date and delivery of fully executed original of this First Amendment to Tenant.

5. **Improvements and Repairs.** Subsection XV(15.01) of the Lease Agreement is hereby deleted and replaced with the following:

""Tenant may, at its expense, make improvements on and to the Premises as it deems necessary or desirable from time to time for the operation of the equipment by providing City with thirty (30) days prior written notice thereof and Tenant shall follow City's standard process for review of Tenant's constructions drawings and structural analysis by the appropriate City department(s) and agencies including the City's Information Technology Services Department, Planning Commission, and Historical Design and Review Commission. All construction work performed by Tenant or on Tenant's behalf within the Premises shall be performed in a good and workmanlike manner, in compliance with all City and governmental requirements. City agrees to cooperate with Tenant with respect to obtaining any required zoning or other governmental approvals for the Premises, the equipment and the installation and contemplated use thereof."

6. **Notice Address.** The notice addresses in Section XXII of the Lease Agreement for the party or parties listed below are hereby deleted in their entirety and replaced with the following:

- To City: City of San Antonio
Attn: Tower Lease Agreement
515 South Frio Street
San Antonio, TX 78207-5009
- To Tenant: Sprint Property Services
Sprint Site ID: SA60XC296
Mailstop KSOPHT0101-Z2650
6391 Sprint Parkway
Overland Park, Kansas 66251-2650
- With a mandatory copy to: Sprint Law Department
Sprint Site ID: SA60XC296
Mailstop KSOPHT0101-Z2020
6391 Sprint Parkway
Overland Park, Kansas 66251-2020
Attn.: Real Estate Attorney

7. **General Terms and Conditions.**

- a. All capitalized terms used in this First Amendment, unless otherwise defined herein, will have the same meaning as the terms contained in the Lease Agreement.
- b. In case of any inconsistencies between the terms and conditions contained in the Lease Agreement and the terms and conditions contained in this First Amendment, the terms and conditions herein will control. Except as set forth below, all provisions of the Lease Agreement are ratified and remain unchanged and in full force and effect.
- c. This First Amendment may be executed in duplicate counterparts, each of which will be deemed an original.

d. Each of the parties represents and warrants that it has the right, power, legal capacity and authority to enter into and perform its respective obligations under this First Amendment.

*****SIGNATURES ON FOLLOWING PAGE*****

The parties have executed this First Amendment as of the Effective Date.

City:

City of San Antonio,
a Texas municipal corporation

Tenant:

Sprint Spectrum Realty Company, L.P.,
a Delaware limited partnership

By: _____

Printed Name: _____

Title: _____

Date: _____

By:  _____

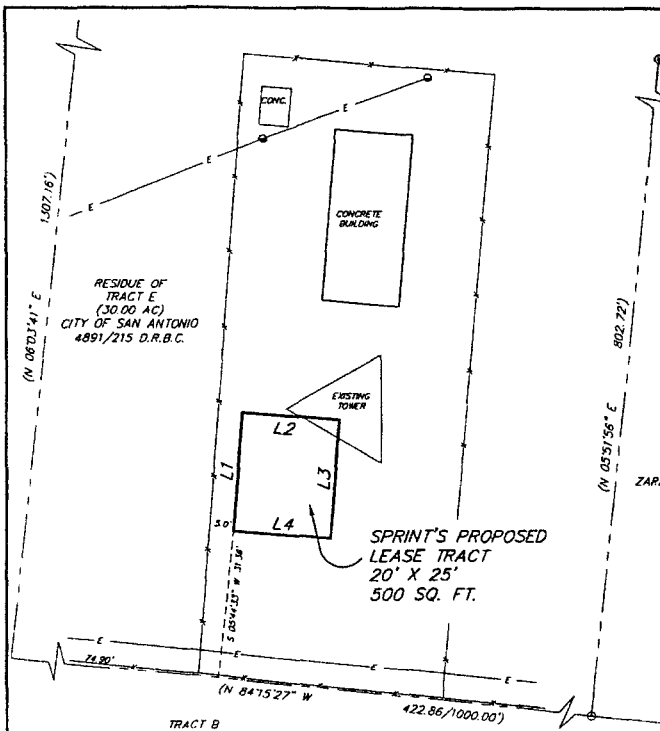
Printed Name: DWAYNE L BAKER

Title: TEXAS AREA MANAGER

Date: 11/4/13

Exhibit A-1

[see attached]



LINE TABLE

LINE	LENGTH	BEARING
L1	25.00	N 04°15'02" E
L2	20.00	S 85°44'58" E
L3	25.00	S 04°15'02" W
L4	20.00	N 85°44'58" W

LOT 1, BLOCK 6, NCB 8786
ZARZAMORA SERVICE CENTER SUBDIVISION
5025/159 P.R.B.C.

PROPOSED LEASE TRACT

LEGAL DESCRIPTION: BEING 500 SQUARE FEET OF LAND LYING IN AND BEING SITUATED OUT OF N.C.B. 8786, IN THE CITY OF SAN ANTONIO, BEXAR COUNTY, TEXAS AND BEING A PORTION OF THE RESIDUE OF THAT CERTAIN 30.00 ACRE TRACT CONVEYED TO THE CITY OF SAN ANTONIO BY DEED RECORDED IN VOLUME PAGE 215 OF THE DEED RECORDS OF BEXAR COUNTY, TEXAS, SAID 500 SQUARE FOOT TRACT BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING at a point for the southwest corner hereof and from which the southwest corner of said 30.00 acre tract bears South 85°44'58" West a distance of 30.00 feet and North 04°15'02" East a distance of 25.00 feet;

THENCE North 04°15'02" East a distance of 25.00 feet to a point for the northeast corner hereof;

THENCE South 85°44'58" East a distance of 20.00 feet to a point for the southeast corner hereof;

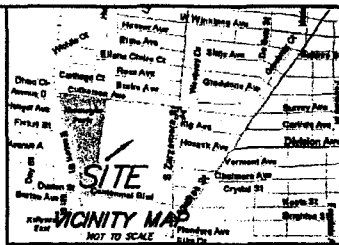
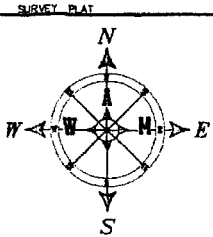
THENCE North 04°15'02" West a distance of 25.00 feet to a point for the southwest corner hereof and containing 500 square feet of land, more or less.

SURVEYOR'S CERTIFICATION

I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT THE SURVEY INFORMATION FOLLOWS ON THIS PLAT WAS DERIVED FROM ACTUAL FIELD NOTES OF ON-THE-GROUND SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. NO WARRANTY IS MADE OR INTENDED FOR THE LOCATION OF ANY OF ALL EASEMENTS THAT MAY EXIST WITHIN THE BOUNDS OF THIS SURVEY.

REGISTERED PROFESSIONAL LAND SURVEYOR JOHN

10/26/2011
DATE



RECORD DESCRIPTION 4891/215 D.R.

REFERRED to the point of intersection of the South right-of-way of Delhorra Avenue and the West right-of-way of South Zarzamora Street (formerly Armatia Blvd.) thence with the West right-of-way of South Zarzamora Street as follows: South 8 deg. 03 min. 41 sec. West, 1367.14 feet; thence West 84 deg. 13 min. 37 sec. East 1090 feet; thence North 8 deg. 03 min. 41 sec. East 1304.36 feet to the south right-of-way of Delhorra Avenue; thence with South right-of-way of Delhorra Avenue South 84 deg. 13 min. 37 sec. East 1000 feet to point of beginning, containing 50.00 acres of Land, more or less.



SPRINT SPECTRUM L.P.
SOUTH CENTRAL REGION SITE DEVELOPMENT
6530 SPRINT PARKWAY
OVERLAND PARK, KS 66207
AT&T CENTER CAMPUS

CARAWAY COMMUNICATIONS
10088 ROYAL LANE
DALLAS, TEXAS 75228
(214) 340-8822
FAX: (214) 340-8834
AT&T CENTER CAMPUS

SITE:
SA60XC296-C

SPRINT AC _____
LANDLORD _____
SPRINT PROPERTY _____
R.F. _____
ZONING _____
CONSTRUCTION _____
ACTIVITY _____
OPERATIONS _____

TITLE SEARCH LAND TX US TITLE SEARCH INC.
FILE # 8878
SITE # SA60XC296-C
SITE NAME: FIRE ACADEMY
REFERENCE: CARAWAY COMMUNICATIONS INC.
ADDRESS: 4537 S. ZARZAMORA ST.

LEGAL DESCRIPTION: 500 SQUARE FEET OF LAND OUT OF N.C.B. 8786 IN THE CITY OF SAN ANTONIO, BEXAR COUNTY, TEXAS AND BEING A PORTION OF THAT CERTAIN 30.00 ACRE TRACT DESCRIBED IN VOLUME 4891, PAGE 215 OF THE DEED RECORDS OF BEXAR COUNTY, TEXAS.

JOB NO. W-429-02 FIELD BOOK 457/15
DRAFT: JDS REV. 11/29/04
FILE: CARAWAY\SA296\W7304.DWG



CONSULTING ENGINEERS, LAND SURVEYORS & PLANNERS
4810 W. TESSLER 74 WALLACE DR.
SUITE 200 OVERLAND PARK, MO 66207
TEL: (816) 432-8200

SHEET FILE
SURVEY
SHEET NUMBER
LS-1

OWNER/APPLICANT FOR:

Sprint

1 INTERNATIONAL BOULEVARD
SUITE #800
MAHWAH, N.J. 07495

SITE ACQ.:

CRAFTON COMMUNICATIONS

728 Shades Creek PKWY
Suite 120
Homewood, AL 35209
Tel: (205) 682-7525

CONSULTANT:

SMW ENGINEERING GROUP, INC.

TOGETHER PLANNING A BETTER TOMORROW
156 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-6985 FAX: 205-320-1504

SITE NAME:
SA60XC296

FCC NUMBER:
1223931

SITE ADDRESS:
4719 S ZARZAMORA
SAN ANTONIO, TX 78225
BEXAR COUNTY SHERIFF OFFICE

STAMP:
I CERTIFY THAT THE SURVEY INFORMATION WAS PREPARED BY ME OR UNDER MY SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. NO WARRANTY IS MADE OR INTENDED FOR THE LOCATION OF ANY OF ALL EASEMENTS THAT MAY EXIST WITHIN THE BOUNDS OF THIS SURVEY.

JEREMY D. SHARIT
103303
REGISTERED PROFESSIONAL ENGINEER

07/31/13

DRAWN BY: JHB SMW #: _____
APPROVED BY: JDS 11-0802
DATE DRAWN: 08/05/11

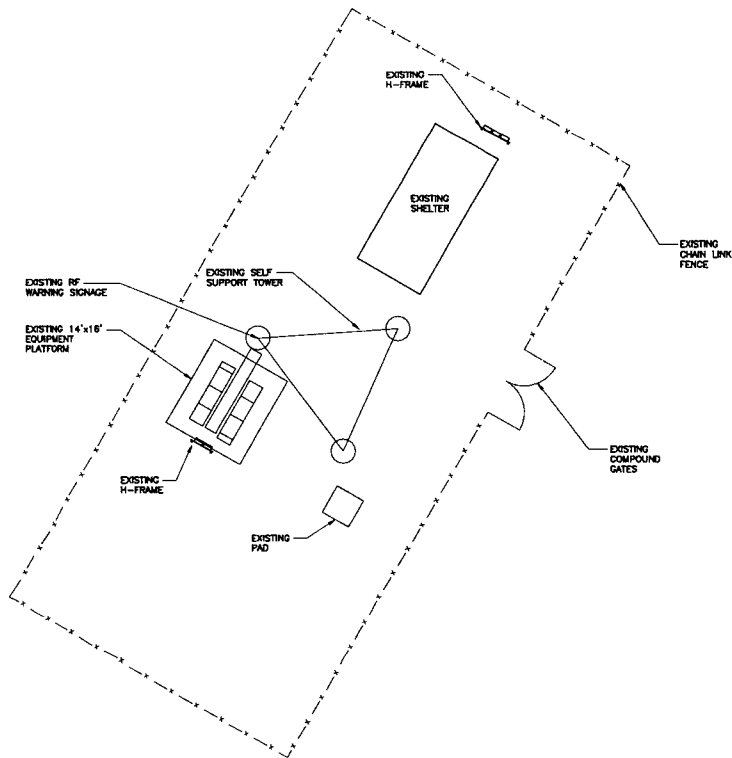
REVISION

NO	DESCRIPTION	BY	DATE
1	SUBMISSION: 90% CD	JDS	08/05/11
2	SUBMISSION: 100% CD	JDS	01/15/12
3	SUB: REV PER RFDS	DCP	07/23/12
4	SUB: REV PER CLIENT	DCP	08/16/12
5	SUB: REV PER STRUC	DCP	10/10/12
6	SUB: SEALED FINALS	JDS	10/16/12
7	SUB: REV. FINALS	JDS	07/31/13

SHEET TITLE:
OVERALL SITE PLAN

SHEET NUMBER:
A-1

1 OVERALL SITE PLAN
SCALE: N.T.S.



1 OVERALL SITE PLAN
 FULL SIZE PLOT: SCALE: 1" = 10'
 HALF SIZE PLOT: SCALE: 1" = 20'

OWNER/APPLICANT FOR:



1 INTERNATIONAL BOULEVARD
 SUITE #800
 MAHAHAN, N.J. 07495

SITE ACO.:



728 Shodes Creek PKWY
 Suite 120
 Homewood, AL 35209
 Tel: (205) 682-7525

CONSULTANT:



TOGETHER PLANNING A BETTER TOMORROW
 158 BUSINESS CENTER DRIVE
 BRIMMINGHAM, AL 35244
 TEL: 205-252-8985 FAX: 205-320-1504

SITE NAME:

SA60XC296

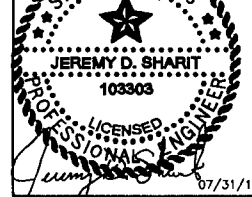
FCC NUMBER:

1223931

SITE ADDRESS:

4719 S ZARZAMORA
 SAN ANTONIO, TX 78225
 BEXAR COUNTY SHERIFF OFFICE

STAMP:
 I CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY SUPERVISION & CONTROL TO THE BEST OF MY KNOWLEDGE & BELIEF IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, 2006 EDITION.



07/31/13

DRAWN BY: JHB SMW #:

APPROVED BY: JDS 11-0802

DATE DRAWN: 08/05/11

REVISION

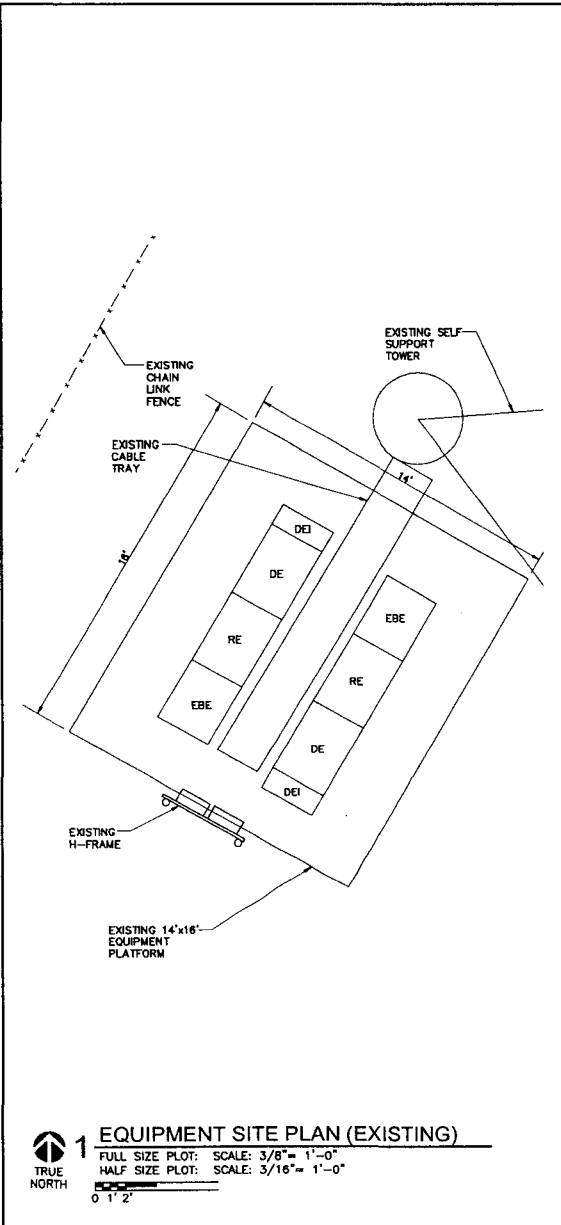
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2	SUBMISSION: 100% CD	JDS	01/15/12
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4	SUB: REV PER CLIENT	DCP	08/16/12
5	SUB: REV PER STRUC	DCP	10/10/12
6	SUB: SEALED FINALS	JDS	10/16/12
7	SUB: REV. FINALS	JDS	07/31/13

SHEET TITLE:

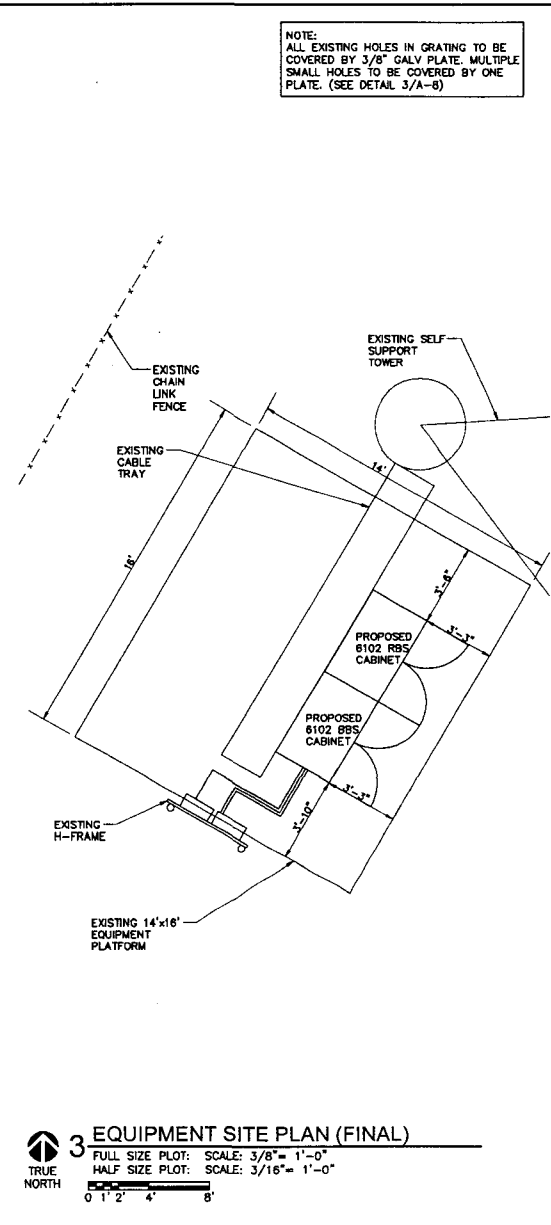
ENLARGED SITE PLAN

SHEET NUMBER:

A-2



NOTE:
COLD SWAP SOLUTION;
NO TEMP PHASE



NOTE:
ALL EXISTING HOLES IN GRATING TO BE COVERED BY 3/8" GALV PLATE. MULTIPLE SMALL HOLES TO BE COVERED BY ONE PLATE. (SEE DETAIL 3/A-8)

OWNER/APPLICANT FOR:

Sprint

1 INTERNATIONAL BOULEVARD
SUITE #800
MAHWAH, N.J. 07495

SITE ACQ.:

CRAFTON COMMUNICATIONS

728 Shades Creek PKWY
Suite 120
Homewood, AL 35209
Tel: (205) 682-7525

CONSULTANT:

SNW ENGINEERING GROUP, INC.

TOGETHER PLANNING A BETTER TOMORROW
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-8985 FAX: 205-320-1504

SITE NAME:
SA60XC296

FCC NUMBER:
1223931

SITE ADDRESS:
4719 S ZARZAMORA
SAN ANTONIO, TX 78225
BEXAR COUNTY SHERIFF OFFICE

STAMP:
I CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY SUPERVISION & CONTROL TO THE BEST OF MY KNOWLEDGE & BELIEF AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE 2003 EDITION.

JEREMY D. SHARIT
103303
PROFESSIONAL ENGINEER
07/31/13

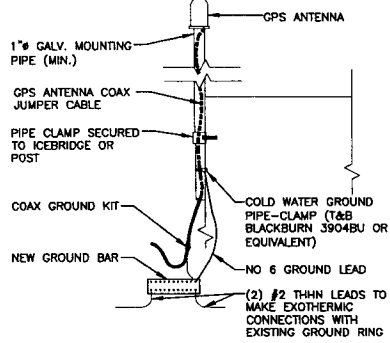
DRAWN BY:	JHB	SNW #:	
APPROVED BY:	JDS		11-0802
DATE DRAWN:	08/05/11		
REVISION			
NO	DESCRIPTION	BY	DATE
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2	SUBMISSION: 100% CD	JDS	01/15/12
3	SUB: REV PER RFDS	JCP	07/23/12
4	SUB: REV PER CLIENT	JCP	08/16/12
5	SUB: REV PER STRUC	JCP	10/10/12
6	SUB: SEALED FINALS	JDS	10/16/12
7	SUB: REV. FINALS	JDS	07/31/13
SHEET TITLE: EQUIPMENT PLANS			
SHEET NUMBER: A-3			

1 EQUIPMENT SITE PLAN (EXISTING)
FULL SIZE PLOT: SCALE: 3/8" = 1'-0"
HALF SIZE PLOT: SCALE: 3/16" = 1'-0"
0 1' 2'

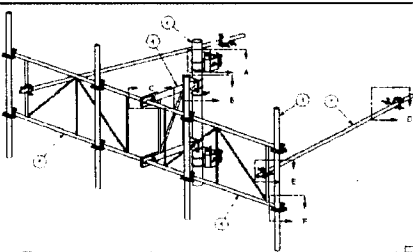
2 NOT USED
SCALE: N.T.S.
TRUE NORTH

3 EQUIPMENT SITE PLAN (FINAL)
FULL SIZE PLOT: SCALE: 3/8" = 1'-0"
HALF SIZE PLOT: SCALE: 3/16" = 1'-0"
0 1' 2' 4' 8'
TRUE NORTH

MANUFACTURER: ERICSSON
 MODEL#: KRE 101 2082/1
 DIMENSIONS: 5.0'H x 3.2'D
 WEIGHT: 0.6 LBS.

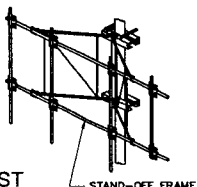


4 GPS ANTENNA DETAIL
 SCALE: NOT TO SCALE



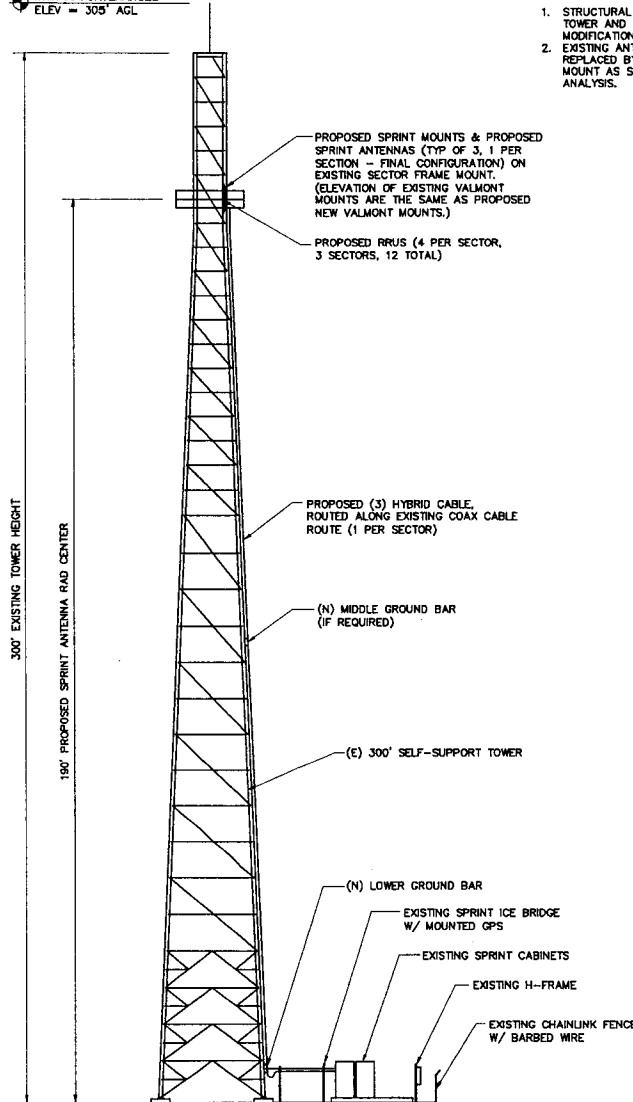
SST VALMONT MODEL NO. LTF15-472
3 ANTENNA MOUNT (PROPOSED)
 SCALE: NOT TO SCALE

NOTE:
 SEE DETAIL ON A-10 FOR ANTENNA,
 RRU AND OTHER EQUIPMENT.



SST
2 ANTENNA MOUNT (EXISTING)
 SCALE: NOT TO SCALE

TOTAL TOWER HEIGHT
 WITH APPURTENANCES
 ELEV = 305' AGL



1 SITE ELEVATION
 SCALE: NOT TO SCALE

NOTES:

- STRUCTURAL ANALYSIS RESULTS SHOW TOWER AND ANTENNA MOUNT MODIFICATIONS ARE NEEDED.
- EXISTING ANTENNA MOUNTS TO BE REPLACED BY THE PROPOSED ANTENNA MOUNT AS SHOWN ON STRUCTURAL ANALYSIS.

NOTES:

- CONTRACTOR TO FIELD VERIFY ANTENNA CABLE LENGTHS.
- ALL MAIN CABLES WILL BE COLOR CODED AT THREE (3) LOCATIONS.
- COLOR CODE ALL ANTENNA AND COAX WITH 2" WIDE BANDS OF COLORED TAPE WITH 1" SEPARATION BETWEEN BANDS.
- COLOR CODE ALL TOP AND BOTTOM GROUND KITS WITH 1" WIDE BANDS OF COLORED TAPE WITH 1/2" SEPARATION BETWEEN BANDS.
- START COLOR BANDS 2" BEYOND WEATHERPROOFING.
- START SECTOR COLOR NEXT TO END CONNECTOR.
- ALL MAIN CABLES WILL BE GROUNDED W/ COAXIAL CABLE GROUND KITS AT:
 - THE ANTENNA LEVEL
 - MID LEVEL IF TOWER IS OVER 200'
 - BASE OF TOWER PRIOR TO TURNING HORIZONTAL
- TERMINATION OF COAX LINES TO JUMPERS
- ALL NEW GROUND BAR DOWNLEADS ARE TO BE CADWELDED TO THE EXISTING ADJACENT GROUND BAR DOWNLEADS A MINIMUM DISTANCE OF 4FT BELOW GROUND BAR
- PROVIDE BUSS BAR NEAR BTS FOR ATTACHMENT OF WIMAX COAX GROUND KITS

COAXIAL ANTENNA CABLE NOTES:

- THE ANTENNA COAXIAL CABLE INSTALLER SHALL BE RESPONSIBLE FOR PERFORMING AND SUPPLYING SPRINT WITH 3 TYPEWRITTEN SWEEP TESTS (ANTENNA RETURN LOSS TEST). THIS TEST SHALL BE PERFORMED TO THE SPECIFICATIONS AND PARAMETERS OUTLINED BY THE SPRINT RADIO FREQUENCY (RF) ENGINEER. THIS TEST SHALL BE PERFORMED PRIOR TO FINAL ACCEPTANCE OF THE SITE.
- THE COAXIAL ANTENNA CABLE INSTALLER SHALL BE RESPONSIBLE FOR PERFORMING AND SUPPLYING SPRINT WITH 3 TYPEWRITTEN TIME DOMAIN REFLECTOMETER (TDR) TESTS TO VERIFY CABLE LENGTH AND TO CHECK FOR WATER DAMAGE.
- VAPOR WRAP WILL BE USED TO SEAL ALL CONNECTIONS.
- ALL JUMPERS TO THE ANTENNAS FROM THE MAIN TRANSMISSION LINE WILL BE 1/2" JUMPERS AND SHALL NOT EXCEED 6'-0". MAXIMUM LENGTH FOR THE JUMPERS AT WIMAX BTS UNITS WILL BE 6'-0".
- IF COAX IS BEING RE-USED FOR THIS INSTALLATION, PRE AND POST ANTENNA LINE SWEEPS ARE REQUIRED.
- UPON COMPLETION, PROVIDE A HEIGHT VERIFICATION DEPICTING RAD CENTER AND TOP OF ANTENNA.

ANTENNA MOUNTING NOTES:

- DESIGN AND CONSTRUCTION OF ANTENNA SUPPORTS SHALL CONFORM TO CURRENT ANS/EIA/TIA-222; APPENDIX B FOR WIND LOADING; "STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES" OR APPLICABLE LOCAL CODES.
- ALL STEEL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 ZINC (HOT-DIPPED GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS, UNLESS OTHERWISE NOTED.
- ALL BOLTS, ANCHORS AND MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 ZINC-COATING (HOT DIP) ON IRON AND STEEL HARDWARE, UNLESS OTHERWISE NOTED.
- DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED BY COLD GALVANIZING IN ACCORDANCE WITH ASTM A780.
- ALL ANTENNA MOUNTS SHALL BE INSTALLED WITH DOUBLE NUTS AND SHALL BE INSTALLED SNUG TIGHT.
- MINIMUM HORIZONTAL SPACING SHALL BE 2'-0" BETWEEN ALL ANTENNAS.

NOTES:

- ALL AZIMUTHS ARE TO BE ESTABLISHED CLOCKWISE FROM THE TRUE NORTH HEADING.
- CONTRACTOR SHALL VERIFY PROPOSED ANTENNA RAD CENTER AND ORIENTATIONS WITH SPRINT PCS PRIOR TO INSTALLATION OF ANTENNAS.
- PRIOR TO ATTACHING ANTENNAS AND MOUNTING SECTIONS, EXISTING TOWER AND TOWER FOUNDATION MUST BE ANALYZED BY A LICENSED STRUCTURAL ENGINEER TO VERIFY TOWER IS CAPABLE OF SUPPORTING THE PROPOSED LOADS. REFER TO STRUCTURAL ANALYSIS BY OTHERS.
- CONTRACTOR SHALL REFER TO TOWER STRUCTURAL CALCULATIONS FOR ADDITIONAL LOADS. NO ERECTION OR MODIFICATION OF TOWER SHALL BE MADE WITHOUT APPROVAL OF STRUCTURAL ENGINEER.
- CONTRACTOR TO REFER TO MOUNT MAPPING, P.E. LETTER AND STRUCTURAL ANALYSIS PRIOR TO CONSTRUCTION START.

OWNER/APPLICANT FOR:

Sprint
 1 INTERNATIONAL BOULEVARD
 SUITE #800
 MAHWAH, N.J. 07495

SITE AGC:

CRAFTON COMMUNICATIONS
 728 Shades Creek PKWY
 Suite 120
 Homewood, AL 35209
 Tel: (205) 682-7525

CONSULTANT:

SMW ENGINEERING GROUP, INC.
 TOGETHER PLANNING A BETTER TOMORROW
 158 BUSINESS CENTER DRIVE
 BIRMINGHAM, AL 35244
 TEL: 205-252-8985 FAX: 205-320-1504

SITE NAME:
SA60XC296
 FCC NUMBER:
1223931
 SITE ADDRESS:
 4719 S ZARZAMORA
 SAN ANTONIO, TX 78225
 BEXAR COUNTY SHERIFF OFFICE

STAMP:

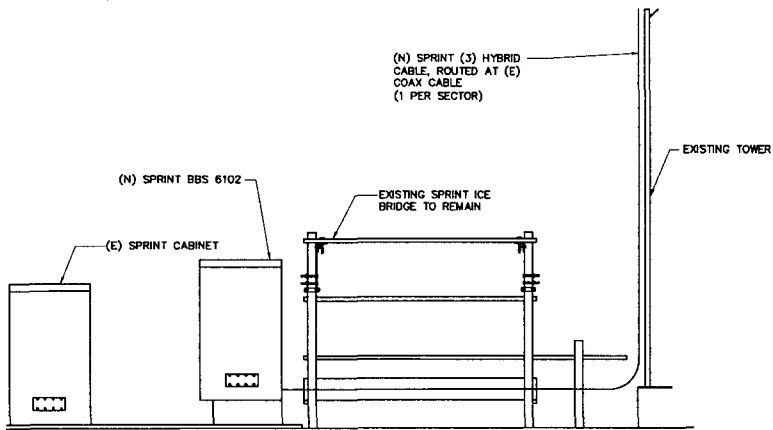
I CERTIFY THAT THE DRAWINGS WERE PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION & CONTROL AND TO THE BEST OF MY KNOWLEDGE & BELIEF THEY COMPLY WITH ALL REQUIREMENTS OF THE PROFESSIONAL ENGINEERING ACT OF THE STATE OF TEXAS.
JEREMY D. SHARIT
 103303
 LICENSED PROFESSIONAL ENGINEER
 07/31/13

DRAWN BY:	JHB	SMW #:	
APPROVED BY:	JDS		11-0802
DATE DRAWN:	08/05/11		

NO	DESCRIPTION	REVISION	BY	DATE
1	SUBMISSION: 90% CD	JDS	JDS	08/05/11
2	SUBMISSION: 100% CD	JDS	JDS	01/15/12
3	SUB: REV PER RFD	DCP	JDS	07/23/12
4	SUB: REV PER CLIENT	DCP	JDS	08/16/12
5	SUB: REV PER STRUCT	DCP	JDS	10/10/12
6	SUB: SEALED FINALS	JDS	JDS	10/18/12
7	SUB: REV. FINALS	JDS	JDS	07/31/13

SHEET TITLE:
SITE ELEVATION & ANTENNA DETAILS

SHEET NUMBER:
A-4

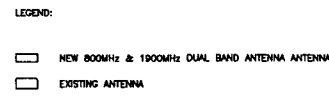


1 COAX RUN DIAGRAM
SCALE: NOT TO SCALE

TRUE NORTH

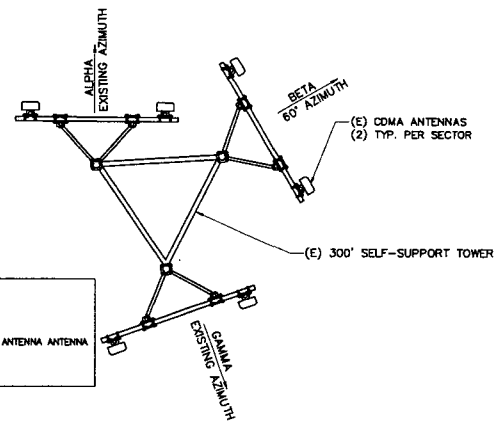
3 NOT USED
SCALE: N.T.S.

TRUE NORTH

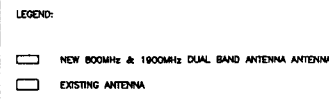


2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE

TRUE NORTH

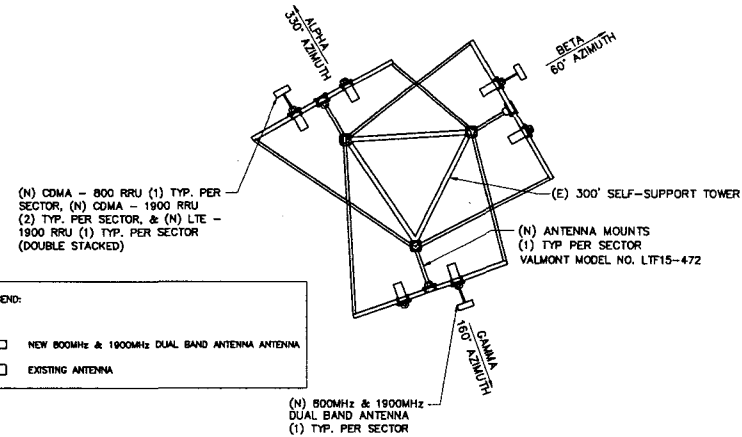


ALL EXISTING TO BE REMOVED FROM TOWER BEFORE ANY NEW CAN BE PLACED ON TOWER



4 PROPOSED ANTENNA PLAN - FINAL
SCALE: NOT TO SCALE

TRUE NORTH



THERE NOT BE A TEMPORARY PLAN. ALL EXISTING ANTENNAS AND COAX WILL NEED TO BE REMOVED BEFORE AND NEW HYBRIDS OR ANTENNAS CAN BE PLACED ON TOWER

OWNER/APPLICANT FOR:

Sprint

1 INTERNATIONAL BOULEVARD
SUITE 800
MAHWAH, N.J. 07495

SITE ACQ.:

CRAFTON COMMUNICATIONS

728 Shades Creek PKWY
Suite 120
Homewood, AL 35209
Tel: (205) 682-7525

CONSULTANT:

SMW ENGINEERING GROUP, INC.

TOGETHER PLANNING A BETTER TOMORROW
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-8985 FAX: 205-320-1504

SITE NAME:
SA60XC296

FCC NUMBER:
1223931

SITE ADDRESS:
4719 S ZARZAMORA
SAN ANTONIO, TX 78225
BEXAR COUNTY SHERIFF OFFICE

STAMP:

I CERTIFY THAT THE PLANS WERE PREPARED BY ME OR UNDER MY SUPERVISION & CONTROL TO THE BEST OF MY KNOWLEDGE & BELIEF IN ACCORDANCE WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE & REGISTRATION.

JEREMY D. SHARIT
103303

PROFESSIONAL ENGINEER

07/31/13

DRAWN BY:	JHB	SMW #:	
APPROVED BY:	JDS		11-0802
DATE DRAWN:	08/05/11		
REVISION			
NO	DESCRIPTION	BY	DATE
Δ	SUBMISSION: 90% CD	JDS	08/05/11
Δ	SUBMISSION: 100% CD	JDS	01/15/12
Δ	SUB: REV PER RFDS	DCP	07/23/12
Δ	SUB: REV PER CLIENT	DCP	08/16/12
Δ	SUB: REV PER STRUC	DCP	10/10/12
Δ	SUB: SEALED FINALS	JDS	10/16/12
Δ	SUB: REV. FINALS	JDS	07/31/13
SHEET TITLE: ENLARGED ANTENNA PLANS & COAX RUN DIAGRAM			
SHEET NUMBER: A-8			