



STAFF APPROVAL LETTER

243-SA-2013

Sprint PH03XC252 - Drinkwater

STEP 1

STAFF APPROVAL NOTIFICATION

This letter is notification that your request has been conceptually approved by Current Planning Services staff.

Additional review and permits may be required. Refer to Final Plan Review Submittal Requirements below.

This approval expires two (2) years from date of approval if a permit has not been issued, or if no permit is required, work for which approval has been granted has not been completed.

PROJECT INFORMATION

LOCATION: 8711 E Pinnacle Peak Rd
PARCEL: 212-01-597
Q.S.: 44-48
CODE VIOLATION #:

APPLICANT: Dayna Bedney
COMPANY: Clear Blue Services
ADDRESS: 11011 S 48Th St Phoenix, AZ 85044
PHONE: 602-426-9500

Request: Modification to existing Sprint Wireless Communication Facility

STIPULATIONS

1. Proposed wireless communication facility shall be in conformance with the plans submitted by Sprint and Clear Blue Services with a date of 2/1/2013, and an approval date by City Staff of 8/27/2013.
2. Prior to final plan approval, and in conformance with Section 7.200.H of the Zoning Ordinance, the applicant shall submit a written report verifying that, at its maximum load, the WCF meets or exceeds the Federal Communication Commission's radio frequency safety standards. Submission of this report is required before communication operations can begin, and before the City's acceptance of any improvements or upgrades to the wireless communication facility.
3. Antennas and mounting hardware shall be painted to match the building it is mounted to.
4. Utilize coaxial cable shrouds to screen bottom fed antennas from public view. Shroud shall be textured and painted to match building.
5. RRU's shall be mounted behind the building parapet and not visible.
6. Obtain permits as required by the One Stop Shop.
7. Schedule a pre-construction meeting by contacting Inspection Services by calling 480-312-5750.
8. Change owner name on drawings to reflect actual property owner and not Sprint.

Related Cases: 243-SA-2013, 221-DR-1996

SIGNATURE:

Keith Niederer

DATE APPROVED: 8-27-13

STEP 2

FINAL PLAN REVIEW SUBMITTAL REQUIREMENTS

Submit one copy of this approval letter, and a completed Owner/Builder form if applicable, along with the following plan set(s) to the One-Stop-Shop for plan review:

ARCHITECTURAL: ☒ 4 sets of architectural plans and 1 additional site plan and elevation

This plan set shall be reviewed by the following departments:

PLANNING:

Staff Reviewer:

Type in Reviewer

Pre-Application No.: 146 -PA- 13 Submittal Date: _____



Type 1 or 2 WCF Development Review (Minor)
(Administrative Staff Approval)
Development Application Checklist

Official Use:
 City Staff Contact: Niederer Email: kniederer@scottsdaleaz.gov
 Phone: _____

Project Name: PHO3X6252 - DRINK WATER
 Property's Address: 8711 E. PINNACLE PEAK RD., 85255 A.P.N.: 212-01-891
 Property's Zoning District Designation: C-2

Application Request:

Owner:	Applicant:
Company:	Company:
Address:	Address:
Phone:	Phone:
Fax:	Fax:
E-mail:	E-mail:

Submittal Requirements: Please submit materials requested below. All plans must be folded.

- | | |
|--|--|
| <input checked="" type="checkbox"/> Completed Application (this form) and Application Fee – \$ <u>460.00</u> (fee subject to change every July) | <input type="checkbox"/> Landscape Plan (2) 24" x 36" folded. Indicate location of existing and new plants, location and dimension of paving, a plant palette with names, symbols, sizes, spacing & quantities, and open space/landscaping calculations. |
| <input checked="" type="checkbox"/> Affidavit of Authority to Act for Property Owner, letter of authorization, or signature below | <input type="checkbox"/> Material Samples – color chips, glazing, etc. |
| <input type="checkbox"/> Property Owners Association Input | <input checked="" type="checkbox"/> Site plan (2) 24" x 36" folded. Indicate the extent and location of antenna additions, buildings and other structures, including all equipment cabinets. Site plan shall indicate dimensions of existing and proposed structures, dimensions of existing and proposed ROW, setbacks and sight distance visibility triangles. |
| <input checked="" type="checkbox"/> Request for Site Visits and/or Inspections form | <input checked="" type="checkbox"/> Map showing other existing or planned WCF's that will be used by Provider making the application. (describe height, mounting style & number of antennas on WCF) <u>5 mile</u> |
| <input checked="" type="checkbox"/> Narrative – the WCF request. This shall include efforts made to minimize the visual impact of the antennas and equipment cabinets. | <input checked="" type="checkbox"/> Map of service area for proposed WCF <u>Propagation</u> |
| <input checked="" type="checkbox"/> Color photographs of site – include area of request | <input checked="" type="checkbox"/> Schedule a meeting with Keith Niederer 480-312-2953 when ready to submit this application. |
| <input checked="" type="checkbox"/> Photo simulations of proposed WCF. In ESL areas, include photosim from nearest single family lots. | <input checked="" type="checkbox"/> Other: <u>A written report verifying that, at maximum lead, the WCF meets or exceeds the FCC radio frequency safety standards.</u> |
| <input checked="" type="checkbox"/> Community Notification Documentation. Notify all property owners within 750 feet of site. Submit names and addresses of all properties that were notified, submit a copy of the letter that was sent and the date that letter was mailed. Letters shall be mailed at least 15 days prior to submittal. | |
| <input checked="" type="checkbox"/> Elevation Drawings or Color Photo simulations (2) 24" x 36" folded. – of new additions, buildings, screening, poles or other changes with materials and colors noted and keyed | |

Please indicate in the checkbox below the requested review methodology (please see the descriptions on page 2):

- | | |
|---|---|
| <input type="checkbox"/> Enhanced Application Review: | I hereby authorize the City of Scottsdale to review this application utilizing the Enhanced Application Review methodology. |
| <input type="checkbox"/> Standard Application Review: | I hereby authorize the City of Scottsdale to review this application utilizing the Standard Application Review methodology. |

Owner Signature _____ Agent/Applicant Signature [Signature]

Planning, Neighborhood & Transportation

7447 East Indian School Road Suite 105, Scottsdale, Arizona 85251 Phone: 480-312-7000 Fax: 480-312-7088

City of Scottsdale's Website: www.scottsdaleaz.gov

Page 1 of 4

Revision Date: 02/19/2013

☒ Coax cable detail showing how cable gets from bell tower to bottom of antenna.



City of Scottsdale Cash Transmittal

94134

Received From :

GOODMAN NETWORKS
6400 INTERNATIONAL PKWY STE 1000
PLANO, TX 75093

Bill To :

CLEAR BLUE SERVICES
11011 S 48TH ST
PHOENIX, AZ 85044
602-426-9500

Reference # 146-PA-2013

Issued Date 8/26/2013

Address 8711 E PINNACLE PEAK RD

Paid Date 8/26/2013

Subdivision

Payment Type CHECK

Marketing Name

Lot Number

Cost Center

MCR

County No

Metes/Bounds No

APN 212-01-597

Gross Lot Area 0

Water Zone

Owner Information

NAOS Lot Area 0

Water Type

VILLAGE AT PINNACLE PEAK LLC

Net Lot Area

Sewer Type

8711 E PINNACLE PEAK RD STE D103

Number of Units 1

Meter Size

SCOTTSDALE, AZ 852553517

Density

QS 44-48

480-513-0707

Code	Description	Additional	Qty	Amount	Account Number
3232	WIRELESS COMM FACILITY (CASE)		1	\$460.00	100-21300-44221

SIGNED BY DAYNA BEDNEY ON 8/26/2013

Total Amount

\$460.00

(When a credit card is used as payment I agree to pay the above total amount according to the Card Issuer Agreement.)

TO HAVE WATER METER SET - CALL 480-312-5650 AND REFER TO TRANSMITTAL # 94134



Request for Site Visits and/or Inspections Development Application

This request concerns all property identified in the development application.

Pre-application No: 146 - PA - 13

Project Name: PHOENIX 292 - DRINKWATER

Project Address: 8711 E. PINNACLE PEAK RD., SCOTTSDALE, AZ 85295

STATEMENT OF AUTHORITY:

1. I am the owner of the property, or I am the duly and lawfully appointed agent of the property and have the authority from the owner to sign this request on the owner's behalf. If the land has more than one owner, then I am the agent for all owners, and the word "owner" refer to them all.
2. I have the authority from the owner to act for the owner before the City of Scottsdale regarding any and all development application regulatory or related matter of every description involving all property identified in the development application.

STATEMENT OF REQUEST FOR SITE VISITS AND/OR INSPECTIONS

1. I hereby request that the City of Scottsdale's staff conduct site visits and/or inspections of the property identified in the development application in order to efficiently process the application.
2. I understand that even though I have requested the City of Scottsdale's staff conduct site visits and/or inspections, city staff may determine that a site visit and/or an inspection is not necessary, and may opt not to perform the site visit and/or an inspection.

Property owner/Property owners agent: TOP A. MILLER _____
Print Name

[Signature] _____
Signature

City Use Only:

Submittal Date: _____ Case number: _____

Planning, Neighborhood & Transportation Division
7447 E Indian School Road, Suite 105, Scottsdale, AZ 85251 ♦ Phone: 480-312-7000 ♦ Fax: 480-312-7088

Pre-application No.: 146-13
Project Name: PH03XC252

AFFIDAVIT OF AUTHORITY TO ACT FOR PROPERTY OWNER

1. This affidavit concerns the following parcel of land:

- a. Street Address: 8211 E. Pinnacle Peak Rd.
- b. County Tax Assessor's Parcel Number 212-01-597
- c. General Location _____
- d. Parcel Size: _____
- e. Legal Description: _____

(If the land is a platted lot, then write the lot number, subdivision, name, and the plat's recording number and date. Otherwise, write "see attached legal description" and attach a legal description.)

2. I am the owner of the land or I am the duly and lawfully appointed agent of the owner of the land and have authority from the owner to sign this affidavit on the owner's behalf. If the land has more than one owner, then I am the agent for all of the owners, and the word "owner" in this affidavit refers to all of them.

3. I have authority from the owner to act for the owner before the City of Scottsdale with regard to any and all reviews, zoning map amendments, general plan amendments, development variances, abandonments, plats, lot splits, lot ties, use permits, building permits and other land use regulatory or related matters of every description involving the land, or involving adjacent or nearby lands in which the owner has (or may acquire) an interest and all applications, dedications, payments, assurances, decisions, agreements, legal documents, commitments, waivers and other matters relating to any of them.

4. The City of Scottsdale is authorized to rely on my authority as described in this affidavit until three work days after the day the owner delivers to the general manager of the Scottsdale Planning and Development Services Department a written statement revoking my authority.

5. I will immediately deliver to the general manager of the City of Scottsdale Planning and Development Services Department written notice of any change in the ownership of the land or in my authority to act for the owner.

6. If more than one person signs this affidavit, each of them, acting alone, shall have the authority described in this affidavit, and each of them warrant to the City of Scottsdale the authority of the others.

7. Under penalty of perjury, I warrant and represent to the City of Scottsdale that this affidavit is true and complete. I understand that any error or incomplete information in this affidavit or any applications may invalidate approvals or other actions taken by the City of Scottsdale, may otherwise delay or prevent development of the land and may expose me or the owner to other liability. I understand that people who have not signed this form may be prohibited from speaking for the owner at public meetings or in other city processes.

Name (printed)
Sarah Livingston

Date
Aug 26, 2013
_____, 20_____
_____, 20_____
_____, 20_____

Signature
Sarah Jsl

PH03XC252 NARRATIVE REPORT

REQUEST: Administrative Approval

PROPOSAL: Remove and replace antenna and equipment cabinet of an existing wireless facility

LOCATION: 8711 E. Pinnacle Peak Rd., Scottsdale AZ 85255

SIZE: Building mounted antenna along with 81sq. ft. of lease area.

APPLICANT: Clear Blue Services for Sprint - (PH03XC252)

CONTACT PERSON: Dayna Bedney, 602.426.9500 Ext. 107,
daynabedney@clearblueservices.com

PURPOSE OF REQUEST

This request for a modification of an existing wireless facility is intended to improve the sparse wireless coverage currently available at the site, as provided by Sprint FCC license. This existing facility is located approximately 550 ft., west of the SWC of Pinnacle Peak Rd. and Pima Rd. and the area can be characterized as commercial.

DESCRIPTION OF PROPOSAL

Sprint is NOT proposing to change the overall height or to increase the foot print of the existing facility. Sprint is proposing to make minor change-outs of the antenna and an equipment cabinet to include the following:

- Remove (6) existing panel antennas (2 per sector)
- Install (3) new panel antennas (1 per sector)
- Remove (1) Existing DC Power Plant/ Battery Cabinet
- Remove (1) Existing MOD-cell cabinet
- Install (1) New 9927/9228 BTS Cabinet
- Install (1) New Battery Cabinet
- Install (1) New Fiber Distribution Box
- Remove associated existing Sprint antenna coaxial cables
- Install (3) New Hybriflex Fiber Optic cables using Existing Coax Route
- Install (6) New RRH's
- Install (1) new GPS Antenna and Cable

RELATIONSHIP TO SURROUNDING PROPERTIES

The neighboring area is generally zoned Commercial. The current use is consistent with the use regulations for the underlying zoning district. The existing wireless site is located approximately 550 feet west of the SWC of Pinnacle Peak Rd. and Pima Rd., Zoning of the surrounding properties are as follows:

North – Commercial-1
South – Commercial-2
East – Commercial-2
West – Commercial

LOCATION AND ACCESSIBILITY/CIRCULATION SYSTEM

All access is paved and existing. Ingress and egress will be off of Pinnacle Peak Rd., with the exception of sporadic maintenance and service visits the site will remain unmanned so there are no regular hours of operation nor will there be any new impacts on existing traffic patterns. The proposed technician parking space will be sufficient to handle all necessary parking onsite.

HOURS OF OPERATION

The proposed facility is self-operating and will operate 24 hours a day, 7 days a week; however, it will continue to be unmanned. Personnel will only be on site for periodic servicing and maintenance visits. The site will be connected to and monitored by a central switching center.

DEVELOPMENT PHASING

A typical site of this temporary nature has a one to two week construction schedule.

COMMUNITY FACILITIES/PUBLIC UTILITIES AND SERVICES

The site is served by a single meter 200 amp service. It does not require any potable water and does not generate any wastewater or solid waste. All necessary telco and electrical services will be run at ground level in rigid conduit on sleepers.

NOISE, LIGHT, NUISANCES, AND OTHER ENVIRONMENTAL CONSIDERATIONS

The proposed wireless communication facility will not use any water or generate any wastewater or solidwaste. There will be minimal technician service lighting on a timed switch at eight foot maximum within the equipment compound that will only be used during periodic servicing and maintenance. The proposed facility will not generate any noxious odors, and sounds and vibrations will be limited to small cooling fans within the equipment cabinets, within the equipment enclosure.

NEIGHBORHOOD IMPACT

Increasingly, wireless communication facilities are found to be compatible uses within residential and commercial zoning districts, especially when concealed or stealthed to mimic existing vertical elements in the environment. These facilities afford local residents enhanced service, including full utilization of their handheld device's capabilities, fewer dropped calls, more accurate locating abilities for public safety officials and first responders, and most importantly, reliable access to emergency services.

The existing facility's impact on the surrounding neighborhood will be measurably insignificant. The existing facility is building mounted antenna not visible to the public. The wireless facility sits approximately 400 feet from the nearest residence to the south.

Neighbor Notification

Date: _____

Dear Scottsdale Neighbor:

Sprint, a wireless telecommunication carrier has an existing wireless communication facility in your area. Sprint is proposing to modify this existing wireless communication facility. Please be advised that the City of Scottsdale has received a request for an Administrative Approval for this modification.

This notice is being sent to surrounding property owners by the applicant, in order to facilitate any public participation in the review process for the project described below:

Address of property: 8711 E. Pinnacle Peak RD., Scottsdale AZ, 85255

Applicant: Clear Blue Services for Sprint

DESCRIPTION OF PROPOSAL

This request for a modification of an existing wireless facility is intended to improve service in the existing coverage area, as provided by Sprint's FCC license. This modification will NOT increase the height or foot print of the existing facility. Sprint's minor modifications include an exchange of the antenna and an exchange of ground equipment located in an existing enclosed compound.

Copies of the application and supporting documentation will be on file at the City of Scottsdale if you choose to review. If you have questions regarding this project, feel free to contact the Project Manager Dayna Bedney at (602) 426-9500 Ext. 107 or if you prefer, contact the City of Scottsdale Planner, Keith Niederer at (480) 312-7800.

Owner	MAIL_ADDR1	MAIL_ADDR2	MAIL_CITY	MAIL_STATE	MAIL_ZIP	MAIL_COUNTRY	APN
HCA/KB LMS/GCCI/MPI/SPI/KB LMS II LLC	1825 S GRANT ST STE 700		SAN MATEO	CA	94402 USA		21705253
HCA/KB LMS/GCCI/MPI/SPI/KB LMS II LLC	1825 S GRANT ST STE 700		SAN MATEO	CA	94402 USA		21705256
HCA/KB LMS/GCCI/MPI/SPI/KB LMS II LLC	1825 S GRANT ST STE 700		SAN MATEO	CA	94402 USA		21705257
HCA/KB LMS/GCCI/MPI/SPI/KB LMS II LLC	1825 S GRANT ST STE 700		SAN MATEO	CA	94402 USA		21705258
HCA/KB LMS/GCCI/MPI/SPI/KB LMS II LLC	1825 S GRANT ST STE 700		SAN MATEO	CA	94402 USA		21705259
WEINGARTEN NOSTAT INC	2600 CITADEL PLAZA DR STE 300		HOUSTON	TX	77008 USA		21707940A
WEINGARTEN NOSTAT INC	2600 CITADEL PLAZA DR STE 300		HOUSTON	TX	77008 USA		21707941A
FOUNDERS BANK OF ARIZONA	PO BOX 10566		BIRMINGHAM	AL	35296 USA		21707942
ROCKING B REVOCABLE TRUST	PO BOX 16529		FT WORTH	TX	76162 USA		21201607
MILLER DAVID F & LAVERNE M	217 HEATHER RD		EAU CLAIRE	WI	54701 USA		21201608
ROBERT E NOBLE TRUST	8557 E VISTA DEL LAGO		SCOTTSDALE	AZ	85255 USA		21201609
WHITE CHRIS/JILL	662 SASKATOON CRESCENT EAST		SASKATOON	SK	S7N 0L1 CANADA		21201610
QWEST CORPORATION	1600 7TH AVE ROOM 2302		SEATTLE	WA	98191 USA		21203065
STACEY SHEA FAMILY TRUST	8701 E CAMINO VIVAZ		SCOTTSDALE	AZ	85255 USA		21203066
SCHLEETER KEITH M	11444 ENTREVAUX DR		EDEN PRAIRIE	MN	55347 USA		21203067
LEVEY KENNETH M/LISA L	8727 E CAMINO VIVAZ		SCOTTSDALE	AZ	85255 USA		21203068
MOUNTAIN STATES TELEPHONE & TELEGRAPH CO	1801 CALIFORNIA ST		DENVER	CO	80202 USA		21203070B
PINNACLE PEAK LAND CO	8711 N PINNACLE PEAK RD		SCOTTSDALE	AZ	85255 USA		21203070C
PINNACLE PARADISE HOMEOWNERS ASSN	23400 N 84TH PLACE		SCOTTSDALE	AZ	85255 USA		21203071A
WHITESTONE REIT OPERATING PARTNERSHIP LP	2600 S GESSNER RD STE 500		HOUSTON	TX	77063 USA		21203437
PINNACLE CITADEL LLC	17550 N PERIMETER DR STE 180		SCOTTSDALE	AZ	85255 USA		21203438
HATT BRADLEY A/MELANIE L	8573 E VISA DEL LAGO		SCOTTSDALE	AZ	85255 USA		21201611
HJERTSTEDT GABRIEL/ANGELA M	8581 E VISTA DEL LAGO		SCOTTSDALE	AZ	85255 USA		21201612
LE TRAN MI	8589 E VISTA DEL LAGO		SCOTTSDALE	AZ	85255 USA		21201613
MORIARTY MICHAEL/CHERYL	7137 E RANCHO VISTA DR 4002		SCOTTSTALE	AZ	85251 USA		21201614
THOMPSON ROBERT L TR	460 FILLMORE ST		DENVER	CO	80206 USA		21201615
RENSEL STEVEN R TR	23218 N LAS LAVATAS		SCOTTSDALE	AZ	85255 USA		21201616
KAUFMAN STEVEN	8574 E VISTA BONITA DR		SCOTTSDALE	AZ	85255 USA		21201617
JOHNSON WILLIAM F	8566 E VISTA BONITA DR		SCOTTSDALE	AZ	85255 USA		21201618
RITTER MICHAEL J/ JEAN A	8558 E VISTA BONITA		SCOTTSDALE	AZ	852554240 USA		21201619
CARNE EDWARD	8550 E VISTA BONITA DR		SCOTTSDALE	AZ	85255 USA		21201620
ARLEEN H NIELSEN TRUST	1810 SUNSET LANE		BANNOCKBURN	IL	600150000 USA		21201621
BOWER MARVIN D/CAROLYN P TR	8534 E VISTA BONITA DR		SCOTTSDALE	AZ	85255 USA		21201622
KAUFMAN SETH M	8526 E VISTA BONITA DR		SCOTTSDALE	AZ	85255 USA		21201623
JACK ROYSTON IRREVOCABLE TRUST	PO BOX 27452		PHOENIX	AZ	85255 USA		21201624
SPRATT JAMES H/PHYLLIS J	1625 THORNWOOD RD		WEST DES MOINES	IA	50265 USA		21201625
STULTZ MICHAEL D/ROBERTA J	8502 E VISTA BONITA DR		SCOTTSDALE	AZ	85255 USA		21201626
CRAMER LIVING TRUST	23309 N 85TH ST		SCOTTSDALE	AZ	85255 USA		21201627
LEE THOMAS J TR/LEE MARY GERALINE TR	163 STONEBRIDGE RD		LILYDALE	MN	55118 USA		21201628
IMKE FAMILY TRUST	PO BOX 20360		OKLAHOMA CITY	OK	73156 USA		21201629
LARRISON PATRICK L/STEPHANIE A	23351 N 85TH ST		SCOTTSDALE	AZ	85255 USA		21201630
PINNACLE HOMEOWNERS ASSOC THE	9362 E RAINTREE DR		SCOTTSDALE	AZ	85260 USA		21201646
PINNACLE HOMEOWNERS ASSOC THE	9362 E RAINTREE DR		SCOTTSDALE	AZ	85260 USA		21201647
PINNACLE HOMEOWNERS ASSOC THE	5050 N 8TH PL STE #6		PHOENIX	AZ	85014 USA		21201648
SCOTTSDALE CITY OF	3939 CIVIC CENTER BLVD		SCOTTSDALE	AZ	85251 USA		21201649
PINNACLE ASSOCIATION	9362 E RAINTREE DR		SCOTTSDALE	AZ	85260 USA		21201650

MIEDEMA JEFFERY/SUZANNE	5120 WOODLAWN BLVD	MINNEAPOLIS	MN	55417 USA	21201486
COE LYNDA	8618 E VISTA DEL LAGO	SCOTTSDALE	AZ	85255 USA	21201487
KUHR MARY M	8614 E VISTA DEL LAGO	SCOTTSDALE	AZ	85255 USA	21201488
JORDAN STEPHEN M/RUTH KINNIE TR	2250 EAGLES NEST DR	LAFAYETTE	CO	80026 USA	21201489
DAVID KIMBERLY BLUE	8606 E VISTA DEL LAGO	SCOTTSDALE	AZ	85225 USA	21201490
KNOUSE PAUL G/KAREN M	8602 E VISTA DEL LAGO ST	SCOTTSDALE	AZ	85255 USA	21201491
JANE F PEARSON TR	8534 E VISTA DEL LAGO	SCOTTSDALE	AZ	85255 USA	21201492
LINDA ANN RYAN TRUST	8530 E VISTA DEL LAGO	SCOTTSDALE	AZ	85255 USA	21201493
VBOP 110 LLC	8701 E VISTA BONITA DR STE 110	SCOTTSDALE	AZ	85255 USA	21201669
FRANKLIN AND DAWN BOXBERGER IRREVOCABLE TRUST	10703 E PINNACLE PEAK RD	SCOTTSDALE	AZ	85255 USA	21201670
JOHNSON PAUL B	8707 E VISTA BONITADR STE 130	SCOTTSDALE	AZ	852553212 USA	21201673
MASSEY ANN M TR	625 S SKINKER	ST LOUIS	MO	631050000 USA	21201494
CALLAHAN JUDITH ANN TR	23014 N 86TH ST	SCOTTSDALE	AZ	85255 USA	21201495
SMITH CRAIG M/FONTANA-SMITH LINDA	23010 N 86TH ST	SCOTTSDALE	AZ	85255 USA	21201496
WHITE FISH TRUST	6429 E ASHLER HILLS DR	CAVE CREEK	AZ	85331 USA	21201497
FLYNN JOSEPH P/BARBARA A	8525 E PARAISO	SCOTTSDALE	AZ	85255 USA	21201498
COMMAND ENERGY SERVICES USA LTD	1804-5TH ST	NISKU	AB	T9E 7V5 CANADA	21201499
JOHNSON MERRILL A TR	8533 E PARAISO DR	SCOTTSDALE	AZ	85255 USA	21201500
POPE MARTIN/MAUREEN	3580 LAKESHORE RD	KELOWNA	BC	V1W 3L5 CANADA	21201501
566597 ONTARIO LIMITED	8609 E PARAISO DR	SCOTTSDALE	AZ	85255 USA	21201502
ZENN ARIZONA INC	20750 N 87TH ST 2059	SCOTTSDALE	AZ	85255 USA	21201503
SHULER MICHAEL HOWARD/ARDITH ANN TR	8617 E PARAISO DR	SCOTTSDALE	AZ	85255 USA	21201504
WHISSELL RITA MARIE/BRIAN L	56 WILLOW PARK GREEN SE	CALGARY	AB	T2J3L1 CANADA	21201505
CAROL DUANE/LEONA M	PO BOX 1122	NISKU	AB	T9E8A8 CANADA	21201506
PETERSON JOHN R/JILL M	14705 CRESTWOOD CT	ELM GROVE	WI	53122 USA	21201507
WHITE MICHAEL B/CONNIE S	7330 N 2200 EAST RD	FAIRWAY	IL	61739 USA	21201508
WELLS ROLAND	8637 E PARAISO DR	SCOTTSDALE	AZ	85255 USA	21201509
BOXBERGER FRANKLIN DALE JR/DAWN ELIZABETH TR	10703 E PINNACLE PEAK RD	SCOTTSDALE	AZ	85255 USA	21201674
FRANKLIN & DAWN BOXBERGER IRREVOCABLE TRUST	10703 E PINNACLE PEAK RD	SCOTTSDALE	AZ	85255 USA	21201675
FRANKLIN & DAWN BOXBERGER IRREVOCABLE TRUST	10703 E PINNACLE PEAK RD	SCOTTSDALE	AZ	85255 USA	21201676
BOXBERGER FRANKLIN DALE JR/DAWN ELIZABETH TR	10703 E PINNACLE PEAK RD	SCOTTSDALE	AZ	85255 USA	21201677
SCOTTSDALE AREA ASSOC OF REALTORS	4221 N SCOTTSDALE RD	SCOTTSDALE	AZ	85251 USA	21201678
VISTA BONITA OFFICE PARK L L C	PO BOX 25428	SCOTTSDALE	AZ	852550107 USA	21201685
NEUROLEGAL SCIENCES INC	8701 E VISTA BONITA DR NO 100	SCOTTSDALE	AZ	85255 USA	21201686
FRAZCO LLC	11943 E CHRISTOPHER LN	SCOTTSDALE	AZ	85255 USA	21201687
MCSIS LLC	8845 E CALLE DEL PALO VERDE	SCOTTSDALE	AZ	85225 USA	21201688
WHK LIT LLC	PO BOX 25771	SCOTTSDALE	AZ	85255 USA	21201689
PINNACLE PEAK COUNTRY CLUB INC	8701 E PINNACLE PEAK RD	SCOTTSDALE	AZ	85255 USA	21201690A
PINNACLE PEAK COUNTRY CLUB INC	8701 E PINNACLE PEAK RD	SCOTTSDALE	AZ	85255 USA	21201690B
OROURKE DENNIS	7331 18TH ST	EDMONTON	AB	T6P1P9 CANADA	21201510
LONDO ROBERT K/RUTH L/TIMOTHY L	4705 YUMA LN N	PLYMOUTH	MN	55446 USA	21201522
FABREGAS ROBERTO PASTRANA/AGUIRRE SILVIA VILC	23009 N 87TH PL	SCOTTSDALE	AZ	85255 USA	21201523
NILSEN MARK/JENNIFER	23013 N 87TH PL	SCOTTSDALE	AZ	85255 USA	21201524
HAVIGHURST DOROTHEA	23017 N 87TH PL	SCOTTSDALE	AZ	85255 USA	21201525
TMSC INVESTMENTS LLC	12005 E 45TH AVE	DENVER	CO	80239 USA	21201526
COULTER BARBARA/JOHN JR/GEORGE M	23025 N 87TH PL	SCOTTSDALE	AZ	852554253 USA	21201527
SEERY FLORENCE R TR	23026 N 87TH PL	SCOTTSDALE	AZ	85255 USA	21201528

3-B COMPANY	1026 S 6TH ST	#4422	COUNCIL BLUFFS	IA	51502 USA	21201529
RUTHVEN FAMILY TRUST	23018 N 87TH PL		SCOTTSDALE	AZ	85255 USA	21201530
JOHNSON RANDALL E/PREVATT REBECCA R	P O BOX 2643		FARGO	ND	58108 USA	21201531
LEWIS RANDALL A	8724 E PARAISO DR		SCOTTSDALE	AZ	85255 USA	21201532
CONKEL SCOTT/LYNDA	7207 SCOTS LN		CRYSTAL LAKE	IL	60014 USA	21201533
CAPSTONE PROPERTIES LLC	4211 E CLAREMONT		PARADISE VALLEY	AZ	85253 USA	21201534
ERRION CONSTANCE L/BANK OF AMERICA ARIZONA TR	P O BOX 2511		PHOENIX	AZ	85002 USA	21201535
OLIVE CLARK LLC	1450 RALEIGH RD 300		CHAPEL HILL	NC	27517 USA	21201536
DEMARIA MICHAEL/SUSIE	23017 N 87TH ST		SCOTTSDALE	AZ	85255 USA	21201537
CHANUTE BILLIE H	23021 N 87TH ST		SCOTTSDALE	AZ	85255 USA	21201538
EAST VERDE LAND LLC	PO BOX 25070		SCOTTSDALE	AZ	85251 USA	21201539
BOLAND DAVID K/SHARON LEE	23026 N 87TH ST		SCOTTSDALE	AZ	85255 USA	21201540
BOGIE WILLIAM F/BEVERLY J	23022 N 87TH ST		SCOTTSDALE	AZ	85255 USA	21201541
BUSTAMANTE BYRNE FAMILY TRUST	1603 E 27TH ST		YUMA	AZ	85365 USA	21201542
BEEDE DONALD BRIAN/ANITA L TR	8646 E PARAISO DR		SCOTTSDALE	AZ	852550000 USA	21201543
MARR DONALD C JR/SUSAN C	8642 E PARAISO DR		SCOTTSDALE	AZ	852550000 USA	21201544
HENDERSON MITCHELL/SCHMITZ SHARON	8638 E PARAISO DR		SCOTTSDALE	AZ	85255 USA	21201545
LA VIDA HOMEOWNERS ASSN INC	4645 E COTTON GIN LOOP		PHOENIX	AZ	85040 USA	21201546
LA VIDA HOMEOWNERS ASSN INC	9362 RAINTREE		SCOTTSDALE	AZ	85260 USA	21201547
LA VIDA HOMEOWNERS ASSN INC	9362 RAINTREE		SCOTTSDALE	AZ	85260 USA	21201548
LA VIDA HOMEOWNERS ASSN INC	9362 RAINTREE		SCOTTSDALE	AZ	85260 USA	21201549
LA VIDA HOMEOWNERS ASSN INC	9362 RAINTREE		SCOTTSDALE	AZ	85260 USA	21201552
LA VIDA HOMEOWNERS ASSN INC	9362 RAINTREE		SCOTTSDALE	AZ	85260 USA	21201554
LA VIDA HOMEOWNERS ASSN INC	9362 RAINTREE		SCOTTSDALE	AZ	85260 USA	21201555
LA VIDA HOMEOWNERS ASSN INC	9362 RAINTREE		SCOTTSDALE	AZ	85260 USA	21201556
LA VIDA HOMEOWNERS ASSN INC	9362 RAINTREE		SCOTTSDALE	AZ	85260 USA	21201557
LA VIDA HOMEOWNERS ASSN INC	9362 RAINTREE		SCOTTSDALE	AZ	85260 USA	21201558
LA VIDA HOMEOWNERS ASSN INC	9362 RAINTREE		SCOTTSDALE	AZ	85260 USA	21201559
LA VIDA HOMEOWNERS ASSN INC	9362 RAINTREE		SCOTTSDALE	AZ	85260 USA	21201560
LA VIDA HOMEOWNERS ASSN INC	9362 RAINTREE		SCOTTSDALE	AZ	85260 USA	21201561
LA VIDA HOMEOWNERS ASSN INC	9362 RAINTREE		SCOTTSDALE	AZ	85260 USA	21201562
LA VIDA HOMEOWNERS ASSN INC	9362 RAINTREE		SCOTTSDALE	AZ	85260 USA	21201563
LA VIDA HOMEOWNERS ASSN INC	9362 RAINTREE		SCOTTSDALE	AZ	85260 USA	21201564
LA VIDA HOMEOWNERS ASSN INC	9362 RAINTREE		SCOTTSDALE	AZ	85260 USA	21201565
K2H PINNACLE PEAK PLACE LLC	348-1917 W 4TH AVE		VANCOUVER	BC	V6J 1M7 CANADA	21201566B
MESSINGER PINNACLE PEAK MORTUARY INC	7601 E INDIAN SCHOOL RD		SCOTTSDALE	AZ	85251 USA	21201566E
K2H PINNACLE PEAK PLACE LLC	348-1917 W 4TH AVE		VANCOUVER	BC	V6J 1M7 CANADA	21201566F
SCOTTSDALE CITY OF	7447 E INDIAN SCHOOL RD STE 205		SCOTTSDALE	AZ	85251 USA	21201567B
BALFOUR HOLDINGS INC	4414 N CIVIC CENTER PLAZA STE 100		SCOTTSDALE	AZ	85251 USA	21201568E
MIRACLE ON PIMA RD LLC	23030 N PIMA RD STE D		SCOTTSDALE	AZ	85255 USA	21201568J
ANTHEA MARY DYER REVOCABLE FAMILY TRUST	10003 E GARY RD		SCOTTSDALE	AZ	85250 USA	21201568M
PIMA ROAD LLC	PO BOX 1198		BIG FORK	MT	59911 USA	21201568N
VALLEY NATIONAL BANK OF AZ	P O BOX 1919		WICHITA FALLS	TX	76307 USA	21201001X
SCHAEFER JOEN M TR	3200 W CALHOUN PKWY NO 103		MINNEAPOLIS	MN	55416 USA	21203034
JONES DANIEL L/JANE E TR	1317 ROYAL SAINT GEORGE DR		NAPERVILLE	IL	60563 USA	21203035
BEAVERS RONNY RAY/JENNIE REBECCA	PO BOX 239		N MARSHFIELD	MA	2059 USA	21203036
CHANDRAN VIMALA TR	3705 HIDDEN CREEK		WEST DES MOINES	IA	50265 USA	21203037

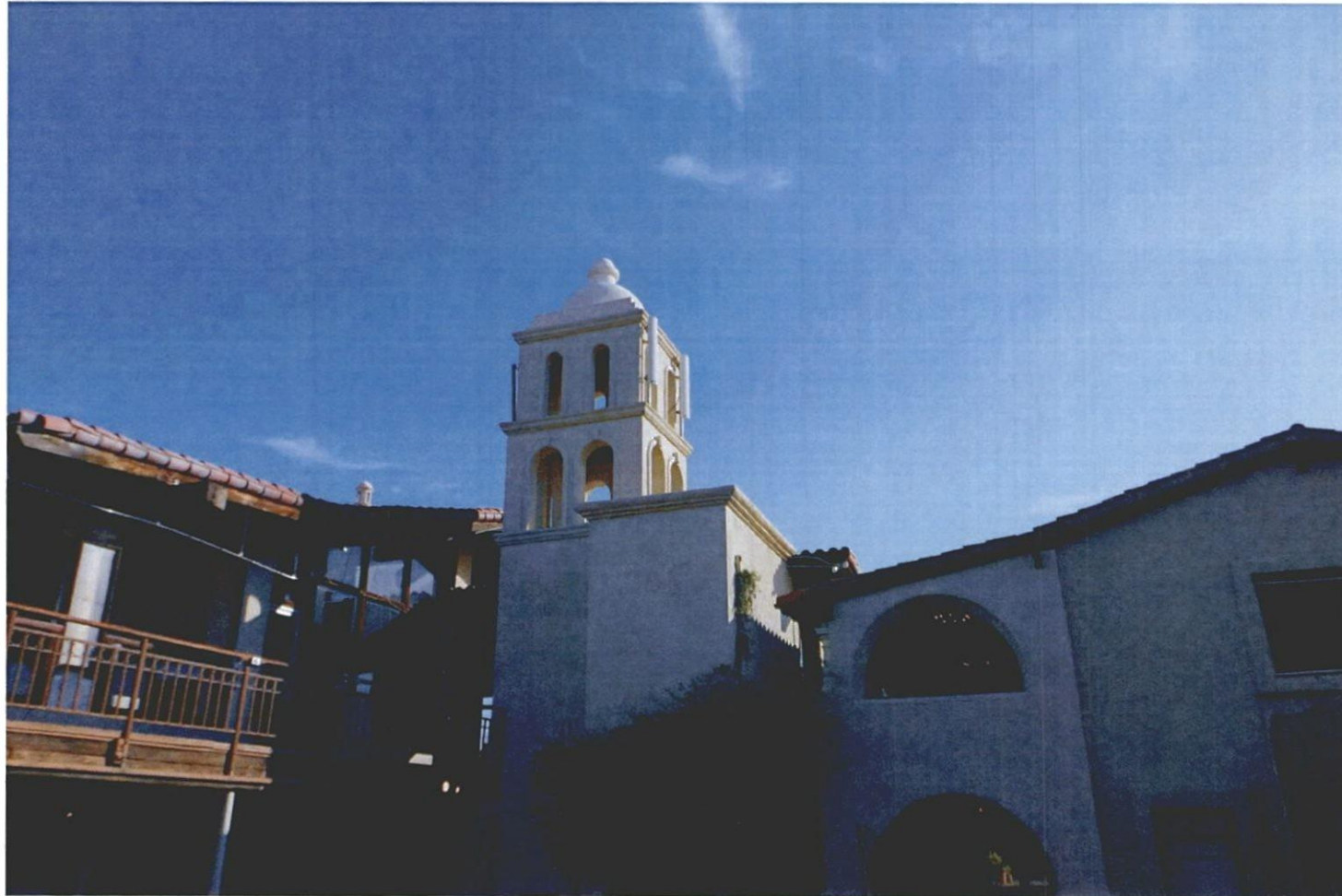
RBR HOLDINGS IV LLC	30600 N PIMA RD NO 75	SCOTTSDALE	AZ	85266 USA	21201589
SKIPTON HOLDINGS LLC	8710 E VISTA BONITA DR	SCOTTSDALE	AZ	85255 USA	21201590A
PL & FD LLC	P O BOX 5614	CAREFREE	AZ	85377 USA	21201590B
TIAGY LLC	8714 E VISTA BONITA	SCOTTSDALE	AZ	85261 USA	21201590C
BULLHEAD HOLDINGS LLC	503 BATH ST FL 3	SANTA BARBARA	CA	931013403 USA	21201591
BULLHEAD 125 HOLDINGS LP	503 BATH ST FLOOR 3	SANTA BARBARA	CA	931013403 USA	21201593A
BULLHEAD-125 HOLDINGS PARTNERPSHIP	503 BATH ST	SANTA BARBARA	CA	931013403 USA	21201593B
BRENTWOOD SCOTTSDALE LLC	14350 CIVIC DR STE 290	VICTORVILLE	CA	92392 USA	21201594A
BULLHEAD HOLDINGS LLC	503 BATH ST FL 3	SANTA BARBARA	CA	931013403 USA	21201595
BULLHEAD-125 HOLDINGS PARTNERPSHIP	503 BATH ST FLOOR 3	SANTA BARBARA	CA	931013403 USA	21201596
BULLHEAD HOLDINGS LLC	503 BATH ST FL 3	SANTA BARBARA	CA	931013403 USA	21201597
GOODRICH EDWARD CYRUS/PATRICIA A	8654 E CAMINO VIVAZ	SCOTTSDALE	AZ	85255 USA	21203062
DOCTOR-AFCHAR SASSAN	1215 DE LA VINA STE G	SANTA BARBARA	CA	93101 USA	21203063
FUNK KURT	8625 E CAMINO VIVAS	SCOTTSDALE	AZ	85255 USA	21203064
VISTA BONITA 200 LLC	8701 E VISTA BONITA DR STE 200	SCOTTSDALE	AZ	852550107 USA	21201679
CXA 16 CORPORATION	7195 DALLAS PKWY	PLANO	TX	75024 USA	21201680
CXA 16 CORPORATION	7195 DALLAS PKWY	PLANO	TX	75024 USA	21201681
PHOENIX CAPITAL GROUP LLC	1838 W PARKSIDE LN SUITE 100	PHOENIX	AZ	85027 USA	21201682
PHOENIX CAPITAL GROUP LLC	1838 W PARKSIDE LN SUITE 100	PHOENIX	AZ	85027 USA	21201683
PHOENIX CAPITAL GROUP LLC	1838 W PARKSIDE LN SUITE 100	PHOENIX	AZ	85027 USA	21201684



PH03XC252 - 8711 E PINNACLE PEAK RD.



EXISTING VIEW



Clear Blue
Services

11011 S. 48TH ST., STE 210
PHOENIX, AZ 85044 602-426-9500

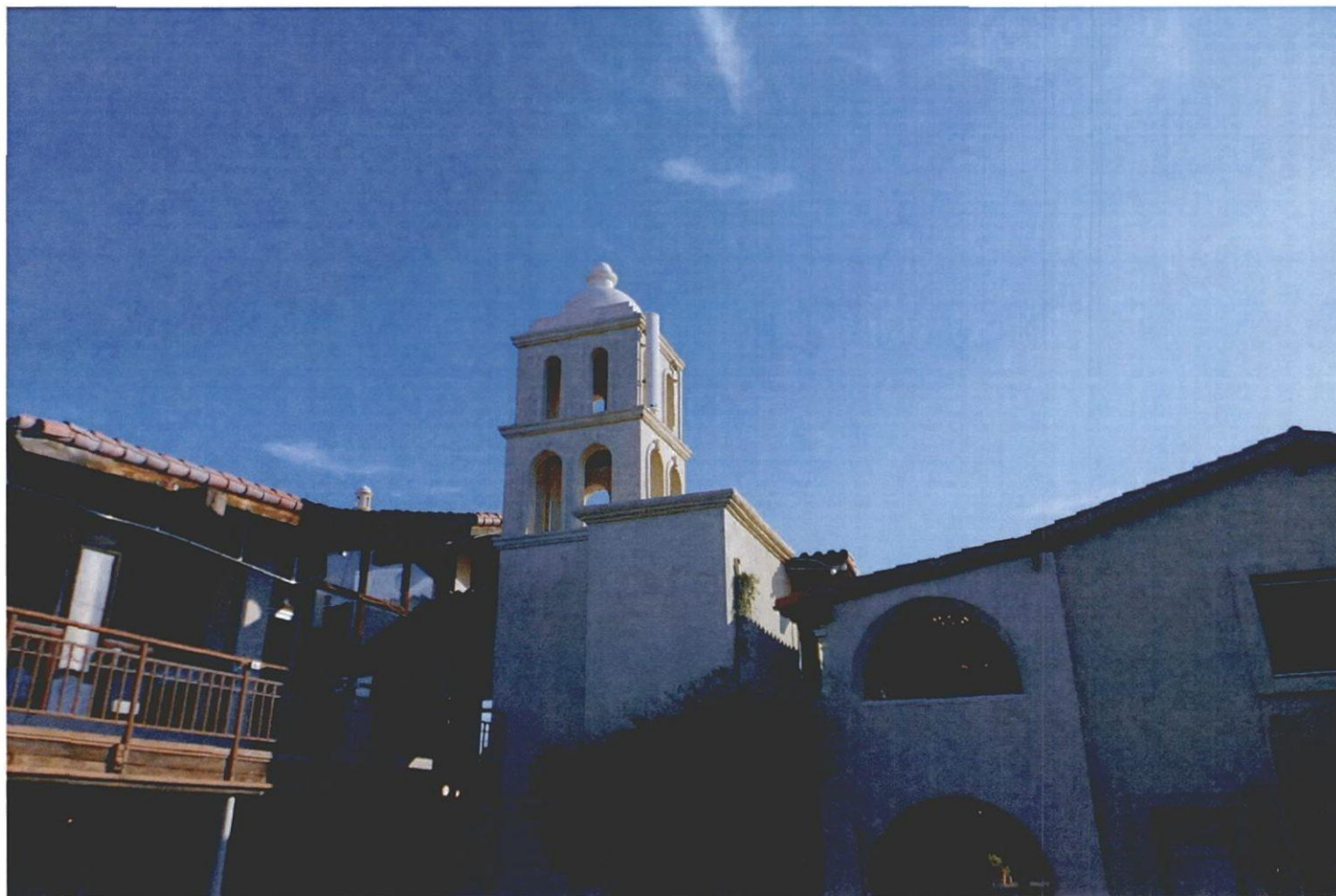
PH03XC252 - 8711 E PINNACLE PEAK RD.

07/05/13

PH03XC252 - 8711 E PINNACLE PEAK RD.



FINAL VIEW



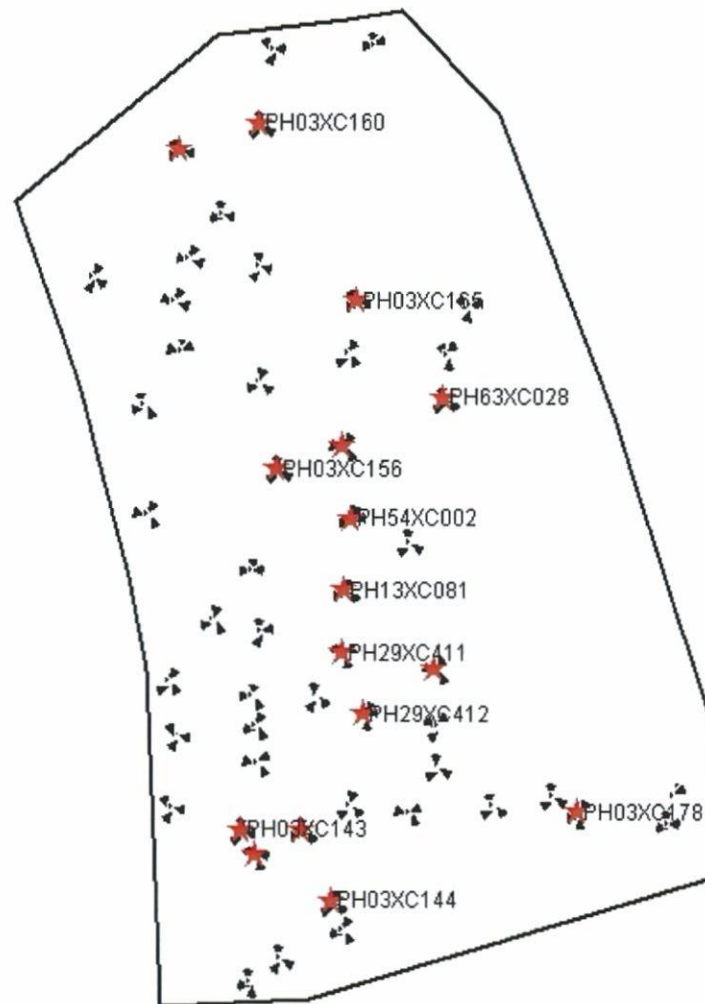
Clear Blue
Services

11011 S. 48TH ST., STE# 210
PHOENIX, AZ 85044 602-426-9500

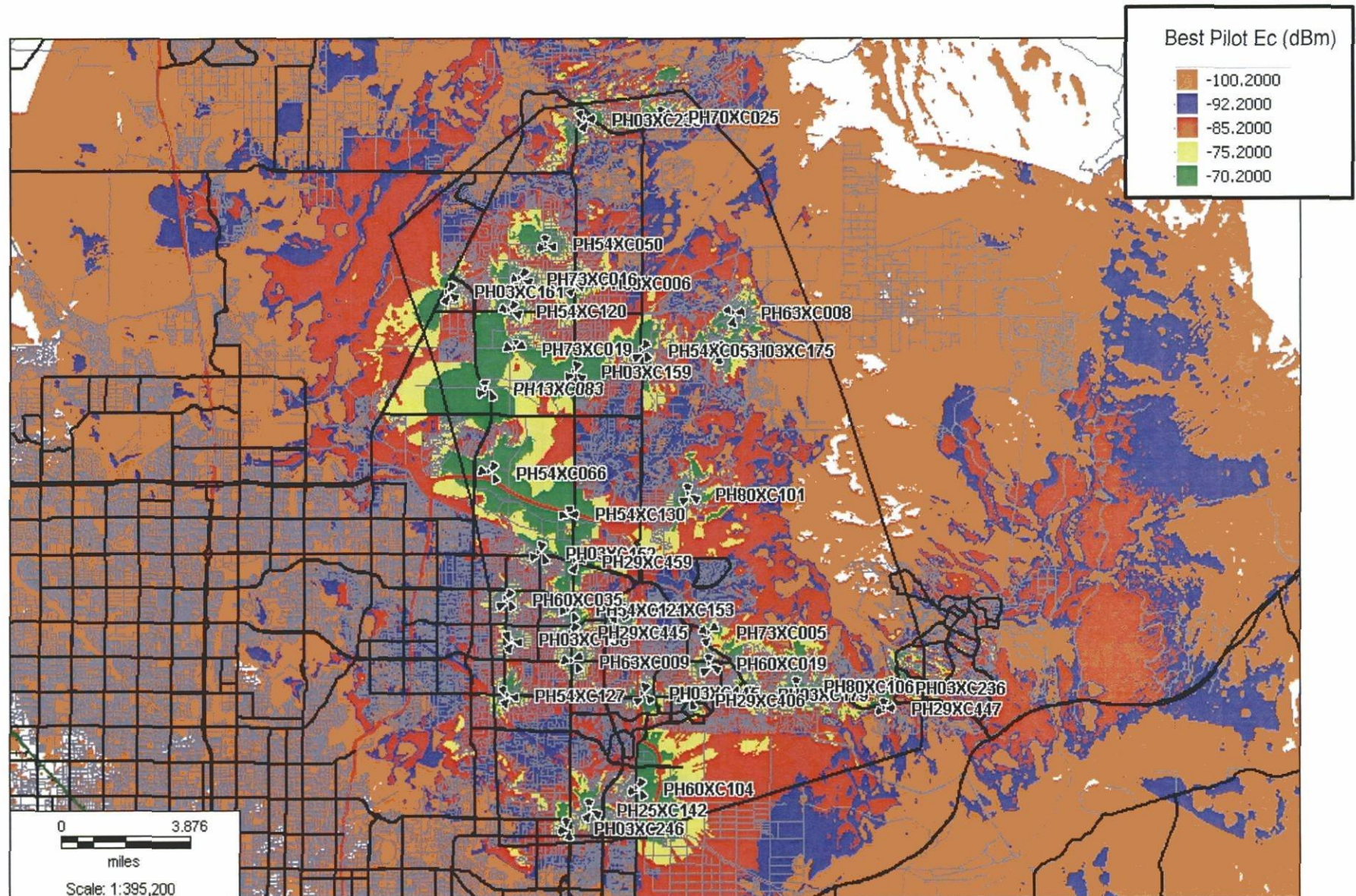
PH03XC252 - 8711 E PINNACLE PEAK RD.

07/05/13

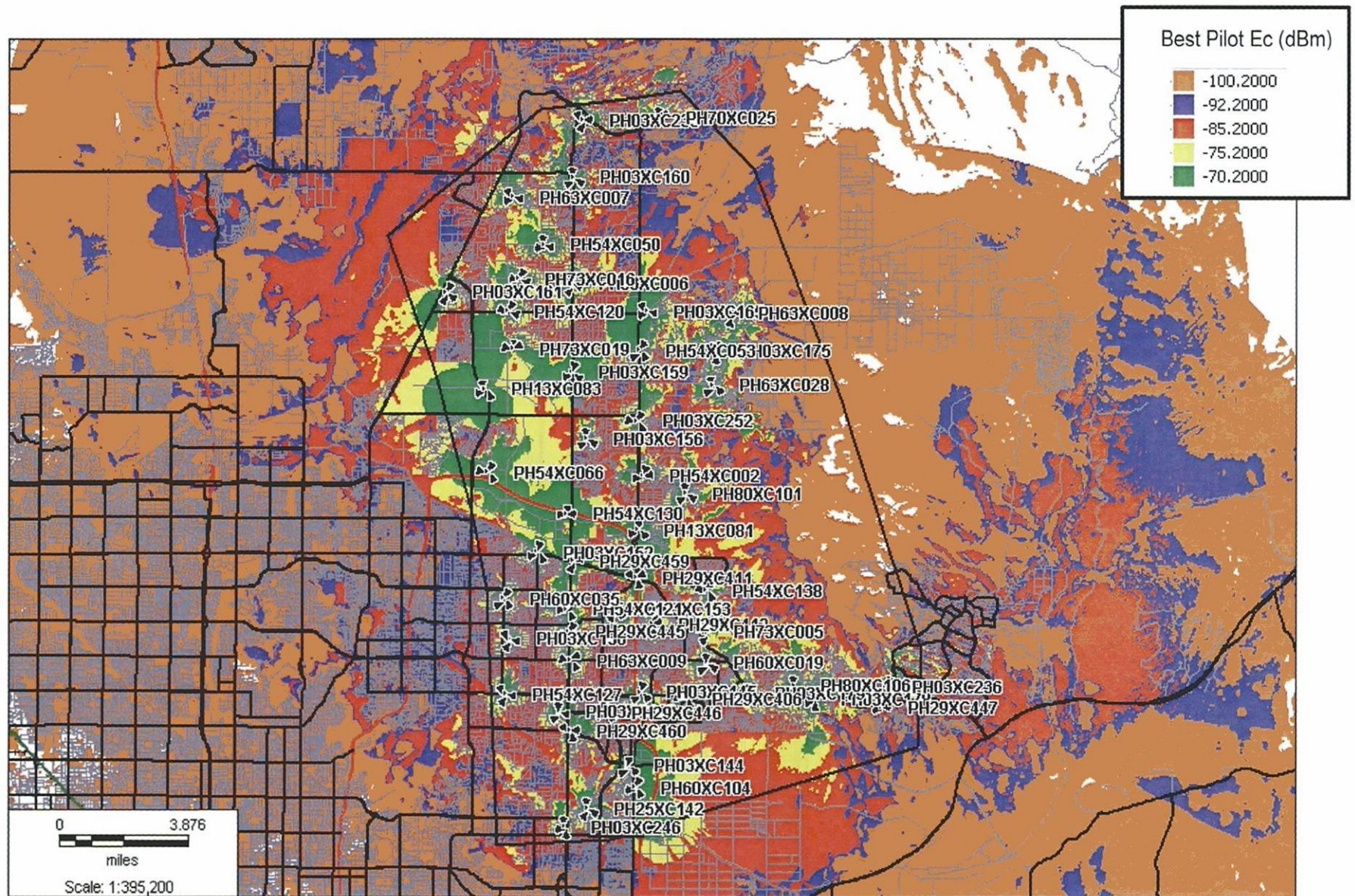
Phoenix Coverage Map With & Without Sites Study 3G1x (1900 MHz)



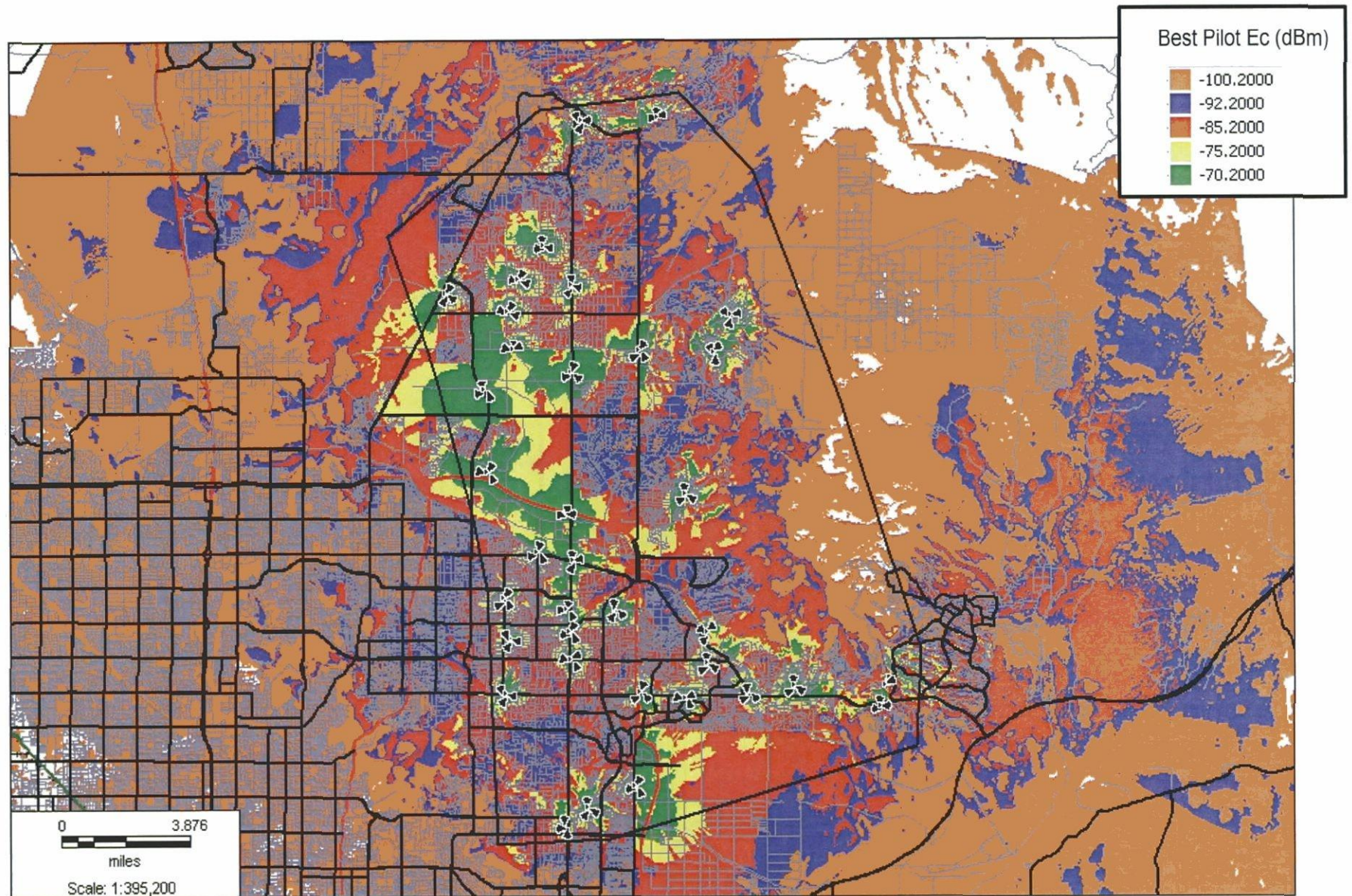
Single site Coverage : Without Site & With Label



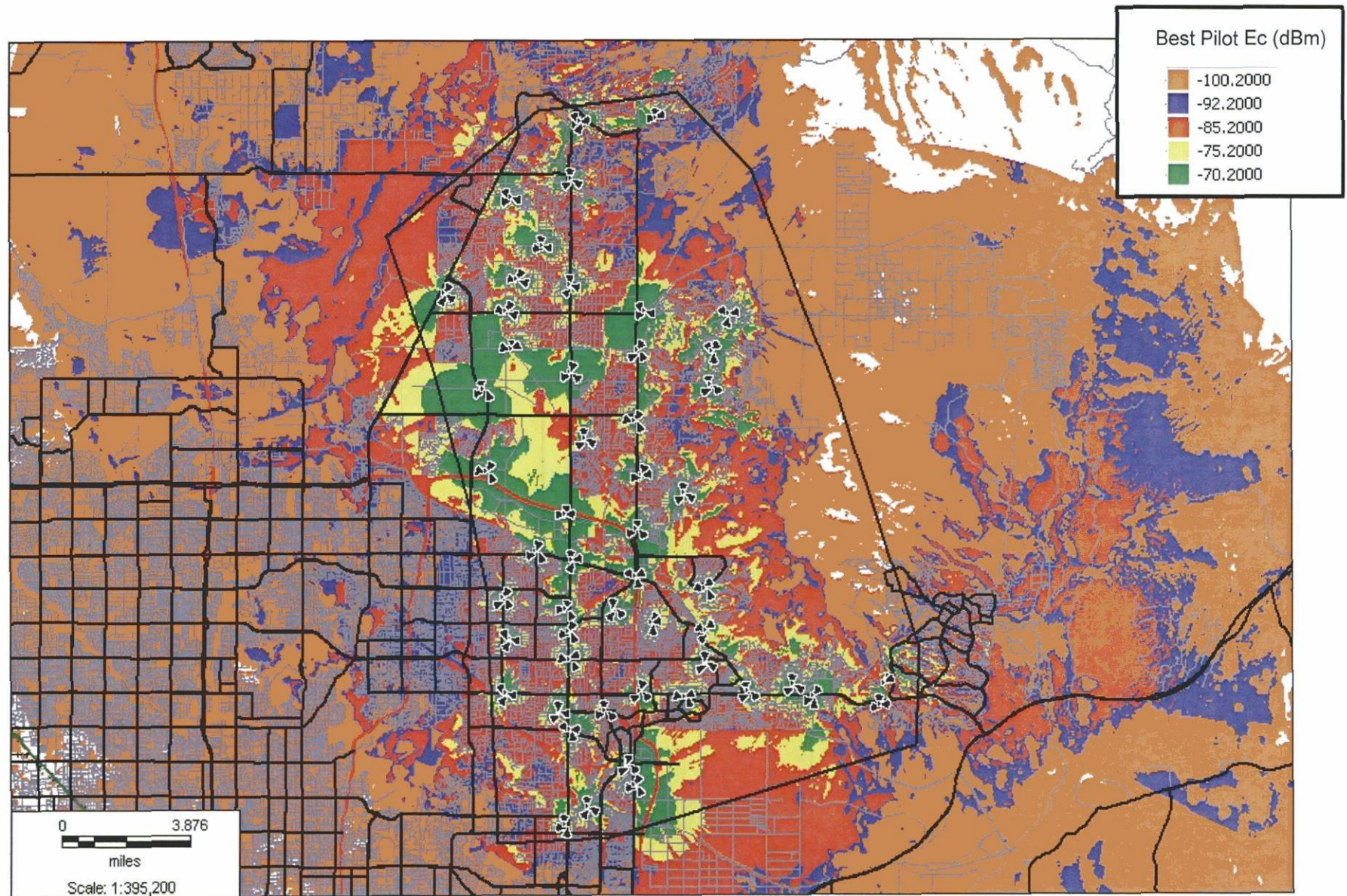
Single site Coverage: With Site & Label



Single site Coverage : Without Site & Label



Single site Coverage: With Site & Without Label





City of Scottsdale Cash Transmittal

92495

Received From :

CLEAR BLUE SERVICES
11011 S 48TH ST
PHOENIX, AZ 85044
602-426-9500

Bill To :

CLEAR BLUE SERVICES
11011 S 48TH ST
PHOENIX, AZ 85044
602-426-9500

Reference # 146-PA-2013

Issued Date 3/7/2013

Address 8711 E PINNACLE PEAK RD

Paid Date

Subdivision

Payment Type CHECK

Marketing Name

Lot Number

Cost Center

MCR

County No

Metes/Bounds No

APN 212-01-597

Gross Lot Area 0

Water Zone

Owner Information

NAOS Lot Area 0

Water Type

VILLAGE AT PINNACLE PEAK LLC

Net Lot Area

Sewer Type

8711 E PINNACLE PEAK RD STE D103

Number of Units 1

Meter Size

SCOTTSDALE, AZ 852553517

Density

QS 44-48

480-513-0707

Code	Description	Additional	Qty	Amount	Account Number
3180	PRE-APPLICATION / SA	PHO	1	\$87.00	100-21300-44221
3199	RECORDS PACKET FOR PREAPPS		1	\$21.00	100-21300-44221

SIGNED BY DAYNA BEDNEY ON 3/7/2013

Total Amount

\$108.00

(When a credit card is used as payment I agree to pay the above total amount according to the Card Issuer Agreement.)

TO HAVE WATER METER SET - CALL 480-312-5650 AND REFER TO TRANSMITTAL # 92495



Pre-Application Request

Purpose:

The purpose of the Pre-Application submittal, and meeting, is for the applicant and City Staff to discuss a proposed Development Application, and the information and process that is necessary for City Staff to process the proposal.

In accordance with the Zoning Ordinance, no development application shall be accepted before a Pre-Application has been submitted, and a Pre-Application meeting has been conducted with City Staff, unless the Pre-Application meeting has been waived by the Zoning Administrator.

Submittal:

The completed Pre-Application request form, all required materials and fees should be submitted in person to the One-Stop-Shop located at 7447 East Indian School Road. All checks shall be payable to "City of Scottsdale."

Scheduling

After the Pre-Application packet has been accepted at the One-Stop-Shop, a staff member will contact the Applicant within five (5) Staff Working Days to schedule a Pre-Application meeting with the assigned staff member(s). Generally, a Pre-Application meeting is scheduled within five (5) to fifteen (15) Staff Working Days from the date of the submittal.

Project Name: PH03XC252 - Drinkwater	
Property's Address: 8711 E. Pinnacle Peak Rd., Scottsdale AZ 85255	
Property's Zoning District Designation:	
Property Details:	
<input type="checkbox"/> Single-Family Residential <input type="checkbox"/> Multi-Family Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Other	
Has a 'Notice of Compliance' been issued? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, provide a copy with this submittal	
Owner: Village at Pinnacle Peak LLC	Applicant: Dayna Bedney
Company:	Company: Clear Blue Services for AT&T
Address: 8711 E Pinnacle Peak	Address: 11011 S. 48th St., Phoenix 85044
Phone: 480.513.0707 Fax:	Phone: 602.426.9500 Fax:
E-mail:	E-mail: daynabedney@clearblueservices.com
Owner Signature	Applicant Signature
Official Use Only Submittal Date: 3-7-13 Application No.: 146 -PA- 2013	

Planning, Neighborhood & Transportation Division

7447 E Indian School Road Ste 105, Scottsdale, AZ 85251 Phone: 480-312-7000 Fax: 480-312-7088



Pre-Application Request

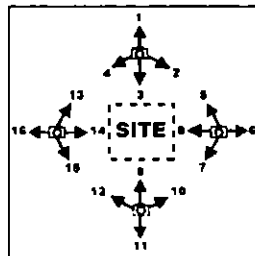
Development Application Type:

Please check the appropriate box of the Type(s) of Application(s) you are requesting

Zoning	Development Review	Signs
<input type="checkbox"/> Text Amendment (TA)	<input type="checkbox"/> Development Review (Major) (DR)	<input type="checkbox"/> Master Sign Program (MS)
<input type="checkbox"/> Rezoning (ZN)	<input type="checkbox"/> Development Review (Minor) (SA)	<input type="checkbox"/> Community Sign District (MS)
<input type="checkbox"/> In-fill Incentive (II)	<input type="checkbox"/> Wash Modification (WM)	Other
<input type="checkbox"/> Conditional Use Permit (UP)	<input type="checkbox"/> Historic Property (HP)	<input type="checkbox"/> Annexation/De-annexation (AN)
<input type="checkbox"/> Exemptions to the Zoning Ordinance	<input type="checkbox"/> Land Divisions (PP)	<input type="checkbox"/> General Plan Amendment (GP)
<input type="checkbox"/> Hardship Exemption (HE)	<input type="checkbox"/> Subdivisions	<input type="checkbox"/> In-Lieu Parking (IP)
<input type="checkbox"/> Special Exception (SX)	<input type="checkbox"/> Condominium Conversion	<input type="checkbox"/> Abandonment (AB)
<input type="checkbox"/> Variance (BA)	<input type="checkbox"/> Perimeter Exceptions	Other Application Type Not Listed
<input type="checkbox"/> Minor Amendment (MA)	<input type="checkbox"/> Plat Correction/Revision	<input type="checkbox"/>

Submittal Requirements: (fees subject to change every July)

- ☒ Pre-Application Fee: \$ 87
- ☒ Records Packet Fee: \$ 21
Processed by staff. The applicant need not visit the Records desk to obtain the packet.
(Only required for ZN, II, UP, DR, PP, AB applications, or otherwise required by Staff)
- ☒ Application Narrative:
The narrative shall describe the propose of the request, and all pertinent information related to the request, such as, but not limited to, site circulation, parking and design, drainage, architecture, proposed land use, and lot design.
- ☐ Property Owner Authorization Letter
(Required for the SA and MS Pre-Applications)
- ☐ Site / Context Photographs
 - Provide color photographs showing the site and the surrounding properties. Use the guidelines below for photos.
 - Photos shall be taken looking in towards the project site and adjacent to the site.
 - Photos should show adjacent improvements and existing on-site conditions.
 - Each photograph shall include a number and direction.
 - Sites greater than 500 ft. in length, also take the photo locations shown in the dashed lines.
 - Photos shall be provided 8 1/2 x 11 paper, max. two per page.



- The following list of Additional Submittal Information is not required for a Pre-Application meeting, unless indicated below by staff prior to the submittal of this request.
- Applicants are advised to provide any additional information listed below. This will assist staff to provide the applicant with direction regarding an application.

Additional Submittal Information

- ☐ Site Plan (two copies)
- ☐ Subdivision plan (two copies)
- ☐ Floor Plans (two copies)
- ☐ Elevations (two copies)
- ☐ Landscape plans (two copies)
- ☐ H.O.A. Approval letter
- ☐ Sign Criteria Regulations & Language (two copies)
- ☐ Material Samples – color chips, awning fabric, etc.
- ☐ Cross Sections – for all cuts and fills
- ☐ Conceptual Grading & Drainage Plan (three copies)
- ☐ Exterior Lighting – provide cut sheets, details and photometrics for any proposed exterior lighting.
- ☐ Boundary Survey (required for minor land divisions)
- ☐ Areal of property that includes property lines and highlighted area abandonment request.
- ☐ One copy of the recorded document for the area that is requested to be abandoned. Such as: subdivision plat, map of dedication, GLO (General Land Office) federal patent roadway easement, or separate dedication document. A copy of most recorded documents to be abandoned may be purchased at the City of Scottsdale Records Dept. (480-312-2356), or the Maricopa County Recorder's Office (602-506-3535). A copy of the General Land Office (GLO) federal patent roadway easement may be purchased from the Bureau of Land Management (602-417-9200).

Planning, Neighborhood & Transportation Division

7447 E Indian School Road Ste 105, Scottsdale, AZ 85251 Phone: 480-312-7000 Fax: 480-312-7088

**Sprint Nextel**

6220 Sprint Parkway, KSOPHD0514-5B870
Overland Park, KS 66251
Office: (913) 315-1878 Fax: (913) 523-0436

David Kirk

RF Engineer II
Regulatory Compliance

March 28, 2013

Mr. Kevin Sonoda
Director, Telecommunication Policy
City of Scottsdale
7384 East 2nd Street
Scottsdale, AZ 85251

Dear Mr. Sonoda,

Per the zoning section of the Scottsdale Revised Code, Appendix B, Article VII, Section 7.2000(H)(11), attached is a list of all Sprint Nextel sites approved by the Scottsdale City Planning Department. Each site has been measured, tested and certified to be compliant relative to Federal Communications Commission ("FCC") Guidelines discussed in OET Bulletin 65.

There are a total of 70 sites, 51 legacy Sprint (CDMA, 1900 MHz) and 19 legacy Nextel (iDEN, 851 MHz) sites.

Please note that Sprint Nextel considers the rooftops sites as occupational/controlled environments. Sprint Nextel has posted appropriate signage, notified the landlords of the radio frequency ("RF") environment on the rooftops and made them aware they are responsible for notifying workers of the effects of exposure to RF energy; therefore, the FCC occupational/controlled limit has not been exceeded (2.836 mW/cm² for 851 and 5.0 mW/cm² for 1900 MHz).

In addition, the 3 power transmission towers (AZ0028, PH03XC165 and AZ0063/PH73XC005) had high readings, but are still considered compliant. The high readings are due to the effects from the high voltage overhead power lines.

If you have any questions, do not hesitate to call.

David Kirk
National RF Engineering

Name of WCF Site (1)	WCF Address	Date Approved	Date "On-Air"	Is WCF in ROW?	Date of RF Test	Name of Tester	2013 Highest RF Measurement (2) (mW/cm²)	In Compliance?	Sprint Nextel's Comments
AZ0028	28175 N. Pima Road	11/19/1998	7/29/1999	Y	1/15/2013	Xue Wang/Sathya	1.78	Y	High RF levels are due to the effects of overhead power lines.
AZ0049	4343 N. Scottsdale Rd	4/21/1997	8/22/1997	N	1/16/2013	Xue Wang/Sathya	0.05	Y	Rooftop. Occupational/Controlled. MPE limit for occupational/controlled is 2.836 mW/cm²
AZ0059	7725 E. Redfield Rd	12/11/1996	8/22/1997	N	1/31/2013	Xue Wang	0.05	Y	
AZ0060	11000 N. 115th St.	2/20/1997	8/22/1997	N	1/31/2013	Xue Wang	0.15	Y	
AZ0063	12360 N. Frank Lloyd Wright	8/25/2003	12/23/2003	Y	1/15/2013	Xue Wang/Sathya	1.21	Y	High RF levels are due to the effects of overhead power lines.
AZ0081	7811 E. Pierce St.	3/6/1997	11/25/1997	N	1/16/2013	Xue Wang/Sathya	0.03	Y	
AZ0114	10600 East Crescent Moon Drive	9/29/2003	5/8/2004	N	1/24/2013	Xue Wang/Sathya	0.04	Y	Rooftop. Occupational/Controlled. MPE limit for occupational/controlled is 2.836 mW/cm²
AZ0133	5601 E. Greenway Road	4/21/1999	10/14/1999	N	1/25/2013	Xue Wang/Sathya	0.05	Y	
AZ0141	6504 E. Thomas Rd	7/31/2000	1/3/2001	Y	1/17/2013	Xue Wang/Sathya	0.79	Y	
AZ0143	6235 E. Camelback Road	9/28/1999	1/7/2000	N	1/16/2013	Xue Wang/Sathya	0.08	Y	
AZ0149	7373 East Doubletree Ranch Rd	1/26/2000	3/3/2000	N	1/30/2013	Xue Wang/Sathya	0.33	Y	Rooftop. Occupational/Controlled. MPE limit for occupational/controlled is 2.836 mW/cm²
AZ0157	9075 E. Jackrabbit Rd	11/7/2003	5/27/2004	Y	1/17/2013	Xue Wang/Sathya	0.18	Y	
AZ0169	13444 E. Shea Blvd	4/8/2003	9/17/2004	N	1/29/2013	Xue Wang/Sathya	0.41	Y	Rooftop. Occupational/Controlled. MPE limit for occupational/controlled is 2.836 mW/cm²
AZ0196	5638 E. Duxie Rd	10/23/2003	5/30/2007	N	1/24/2013	Xue Wang/Sathya	0.02	Y	
AZ0316	9377 E. Bell Rd	6/23/2000	2/2/2001	N	1/17/2013	Xue Wang/Sathya	0.09	Y	Rooftop. Occupational/Controlled. MPE limit for occupational/controlled is 2.836 mW/cm²
AZ0426	7499 E. Paradise Lane	2/22/2002	5/8/2003	N	1/25/2013	Xue Wang/Sathya	0.21	Y	Rooftop. Occupational/Controlled. MPE limit for occupational/controlled is 2.836 mW/cm²
AZ0430	9050 East Pinnacle Peak Rd	3/19/2004	12/17/2004	N	1/24/2013	Xue Wang/Sathya	0.38	Y	Rooftop. Occupational/Controlled. MPE limit for occupational/controlled is 2.836 mW/cm²
AZ0456	7350 E. Gold Dust	12/16/2002	5/22/2003	N	1/25/2013	Xue Wang/Sathya	0.15	Y	Rooftop. Occupational/Controlled. MPE limit for occupational/controlled is 2.836 mW/cm²
AZ0460	7373 N. Scottsdale Rd	11/22/2004	5/31/2005	N	1/28/2013	Xue Wang/Sathya	0.77	Y	Rooftop. Occupational/Controlled. MPE limit for occupational/controlled is 5 mW/cm²
PH03XC133	8615 E. McDowell Rd	4/17/1997	6/6/1997	N	1/28/2013	Xue Wang/Sathya	0.03	Y	
PH03XC135	8040 E. Indian School Rd	6/6/1995	6/6/1997	N	1/29/2013	Xue Wang/Sathya	0.01	Y	
PH03XC136	6504 E. Thomas Rd	3/5/1997	6/6/1997	N	1/17/2013	Xue Wang/Sathya	0.79	Y	
PH03XC137	6235 E. Camelback Rd	2/25/1997	6/6/1997	N	1/16/2013	Xue Wang/Sathya	0.08	Y	
PH03XC143	6935 E. Gold Dust	11/21/1996	6/6/1997	N	1/28/2013	Xue Wang/Sathya	0.03	Y	
PH03XC144	8630 E. Via De Ventura	1/9/1997	6/6/1997	N	1/28/2013	Xue Wang/Sathya	0.02	Y	Rooftop. Occupational/Controlled. MPE limit for occupational/controlled is 5 mW/cm²
PH03XC145	8889 E. Desert Cove Ave	4/8/1997	6/6/1997	N	1/28/2013	Xue Wang/Sathya	0.04	Y	
PH03XC152	6300 E. Bell Rd	2/27/1997	6/6/1997	N	1/15/2013	Xue Wang/Sathya	0.05	Y	
PH03XC153	8225 Raintree	7/18/1996	6/6/1997	N	1/30/2013	Xue Wang/Sathya	0.03	Y	
PH03XC156	7520 E. Adobe Dr.	2/20/1997	6/6/1997	N	1/30/2013	Xue Wang/Sathya	0.02	Y	Rooftop. Occupational/Controlled. MPE limit for occupational/controlled is 5 mW/cm²
PH03XC159	25510 N. Scottsdale Rd.	3/14/1997	6/6/1997	Y	1/30/2013	Xue Wang/Sathya	0.33	Y	
PH03XC160	34505 N. Scottsdale Rd.	2/20/1997	6/6/1997	N	2/4/2013	Xue Wang/Sathya	0.05	Y	Rooftop. Occupational/Controlled. MPE limit for occupational/controlled is 5 mW/cm²
PH03XC165	8870 W. Dynamite Rd.	5/10/1997	11/15/1997	Y	3/6/2013	Xue Wang	1.18	Y	High RF levels are due to the effects of overhead power lines.
PH03XC175	26546 N. Alma School Rd.	4/15/1997	10/23/1997	N	2/4/2013	Xue Wang/Sathya	2.58	Y	Rooftop. Occupational/Controlled. MPE limit for occupational/controlled is 5 mW/cm²
PH03XC178	10655 N. 130th St.	2/29/1997	11/27/1997	Y	1/31/2013	Xue Wang	0.05	Y	
PH03XC179	11000 N. 115th St.	2/20/1997	6/11/1997	N	1/31/2013	Xue Wang	0.15	Y	
PH03XC244	9000 E. Chaparral Dr	1/8/1998	8/18/1998	Y	1/31/2013	Xue Wang	0.08	Y	
PH03XC246	6166 N. Scottsdale Rd	4/3/1997	6/6/1997	N	2/5/2013	Xue Wang/Sathya	0.02	Y	
PH03XC252	8711 E. Pinnacle Peak Rd	12/31/1996	11/15/1997	N	2/1/2013	Xue Wang/Sathya	0.02	Y	
PH13XC081	18320 N. Pima Rd	3/21/2000	12/27/2000	Y	2/1/2013	Xue Wang/Sathya	0.58	Y	
PH13XC084	10190 E. McKellips Rd	6/26/1998	1/28/1999	N	2/25/2013	Xue Wang	0.04	Y	
PH13XC086	4343 N. Scottsdale Rd	3/30/1998	12/4/1998	N	1/16/2013	Xue Wang/Sathya	0.05	Y	Rooftop. Occupational/Controlled. MPE limit for occupational/controlled is 5 mW/cm²
PH23XC004	3932 N. Pima Rd	3/20/2000	7/29/2000	Y	2/8/2013	Xue Wang/Sathya	0.22	Y	
PH25XC019	10471 E. Cactus Rd	1/20/2005	9/22/2005	Y	2/18/2013	Xue Wang/Sathya	0.06	Y	
PH25XC142	7809 E. Indian Bend Rd	3/5/2004	1/19/2005	N	2/5/2013	Xue Wang/Sathya	0.01	Y	
PH29XC406	10685 N. 100th St.	4/6/2001	9/10/2001	N	2/26/2013	Xue Wang	0.03	Y	
PH29XC411	16136 N. Pima Rd	10/12/2000	4/24/2001	Y	2/28/2013	Xue Wang	0.03	Y	
PH29XC412	9172 E. Thunderbird Rd	6/5/2000	12/29/2000	Y	2/18/2013	Xue Wang/Sathya	0.09	Y	
PH29XC446	8050 E. Mountain View Rd	12/9/1999	1/10/2001	N	2/5/2013	Xue Wang/Sathya	1.04	Y	Rooftop. Occupational/Controlled. MPE limit for occupational/controlled is 5 mW/cm²
PH29XC459	16205 N. Scottsdale Rd	2/20/2001	10/12/2001	N	2/1/2013	Xue Wang/Sathya	0.05	Y	
PH29XC460	9111 N. Scottsdale Rd	2/10/2000	1/3/2001	Y	2/4/2013	Xue Wang/Sathya	0.02	Y	
PH29XC462	2312 N. Hayden Rd	6/6/2001	7/18/2002	Y	1/31/2013	Xue Wang	0.15	Y	
PH40XC301	5150 N. Miller Rd	7/25/2001	12/13/2001	N	2/25/2013	Xue Wang	0.02	Y	
PH54XC002	20789 N. Pima Rd.	9/27/2004	3/8/2005	N	2/26/2013	Xue Wang	0.05	Y	Rooftop. Occupational/Controlled. MPE limit for occupational/controlled is 5 mW/cm²
PH54XC053	City Row-Swc Pima Road And Jomax Road	6/24/2003	11/28/2003	Y	2/21/2013	Xue Wang/Sathya	0.02	Y	
PH54XC103	1784 N. Scottsdale Rd	10/16/2001	8/30/2002	N	2/1/2013	Xue Wang/Sathya	0.02	Y	
PH54XC121	7142 E. Acorn Dr.	7/31/2001	8/7/2002	Y	2/18/2013	Xue Wang/Sathya	0.05	Y	
PH54XC130	Swc Of Scottsdale Rd & Sr101	6/19/2003	10/29/2003	N	2/21/2013	Xue Wang/Sathya	0.05	Y	
PH54XC138	10405E. McDowell Mountain Ranch Rd.	3/25/2003	10/30/2003	N	3/6/2013	Xue Wang	0.5	Y	Rooftop. Occupational/Controlled. MPE limit for occupational/controlled is 5 mW/cm²
PH80XC035	15024 N. 56th St	12/23/2003	9/28/2004	N	3/4/2013	Xue Wang	0.02	Y	
PH80XC104	7330 N. Pima Rd	3/7/2000	9/27/2005	N	2/25/2013	Xue Wang	0.03	Y	
PH83XC001	39730 N. Cave Creek Rd.	3/9/1998	8/18/2004	N	2/26/2013	Xue Wang	0.03	Y	
PH83XC006	29499 N. Scottsdale Rd	1/19/2005	3/24/2005	N	2/21/2013	Xue Wang/Sathya	0.01	Y	
PH83XC008	10997 E. Dynamite Rd	9/19/2003	9/24/2004	N	2/21/2013	Xue Wang/Sathya	0.01	Y	
PH83XC009	12225 N. Scottsdale Rd	1/18/2005	7/27/2005	Y	2/25/2013	Xue Wang	0.04	Y	
PH83XC028	25000 N. Windy Walk	1/18/2005	4/7/2005	N	3/4/2013	Xue Wang	0.15	Y	Rooftop. Occupational/Controlled. MPE limit for occupational/controlled is 5 mW/cm²
PH70XC025	9320 E. Cave Creek Road	4/21/2006	5/14/2007	N	2/29/2013	Xue Wang	0.05	Y	
PH73XC005	12360 N. Frank Lloyd Wright	1/4/2006	4/27/2007	Y	1/15/2013	Xue Wang/Sathya	1.21	Y	High RF levels are due to the effects of overhead power lines.
PH73XC016	5839 E. Duxie Rd	10/23/2003	7/19/2007	Y	1/24/2013	Xue Wang/Sathya	0.02	Y	
PH80XC106	12475 E. Via Linda, Scottsdale, AZ 85259		10/18/2012	N	3/1/2013	Xue Wang	0.04	Y	
PH80XC003	7700 East McDowell Parkway, Scottsdale, AZ 85258		12/12/2007	N	3/1/2013	Xue Wang	0.06	Y	Rooftop. Occupational/Controlled. MPE limit for occupational/controlled is 5 mW/cm²

(1) CDMA and IDEN cell site collocations highlighted
(2) RF energy measurements are general population/uncontrolled standards.
3). New site(s) highlighted at the bottom



Goodman Networks

Network Knowledge... Delivered.

ANTENNA/EQUIPMENT REPLACEMENT PROJECT

Sprint

NETWORK VISION MMBTS LAUNCH



DRINKWATER

PH03XC252

8711 E. PINNACLE PEAK RD.
SCOTTSDALE, AZ 85255
MARICOPA COUNTY

NETWORK VISION MMBTS LAUNCH PHOENIX-AZ MARKET

APRVL	DESCRIPTION	DATE
PROJECT MANAGER		
CONSTRUCTION MANAGER		
RF ENGINEER		
SITE ACQUISITION		
PLANNING CONSULTANT		
PROPERTY OWNER		
OTHER		

PREPARED FOR

Sprint



Alcatel-Lucent

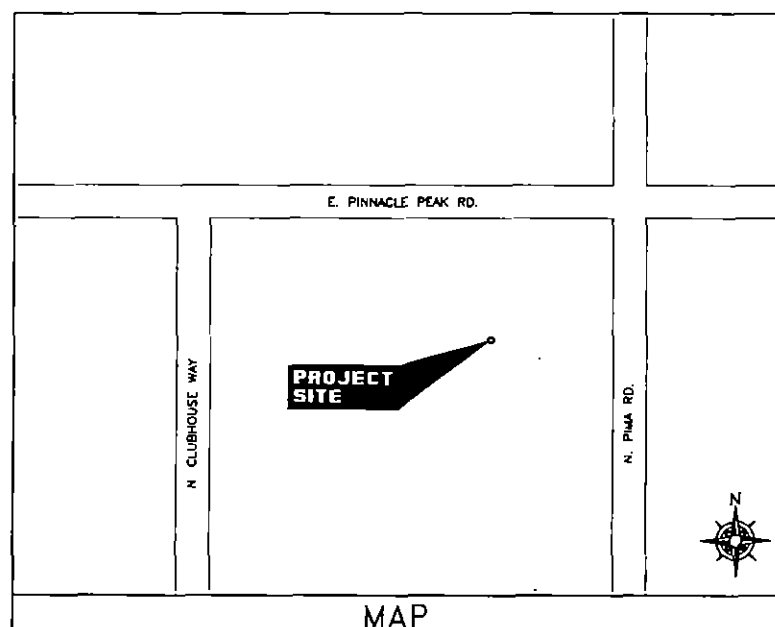


**Clear Blue
Services**

11011 S. 48TH ST., SUITE 210
PHOENIX, AZ 85044 602-955-1100

DRINKWATER
PH03XC252

8711 E. PINNACLE PEAK RD.
SCOTTSDALE, AZ 85255



MAP

ARIZONA STATE CODE COMPLIANCE:

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

- 2006 IBC, STANDARDS AND AMENDMENTS
- 2006 IRC, STANDARDS AND AMENDMENTS
- 2006 IFB, STANDARDS AND AMENDMENTS
- 2006 IPC, STANDARDS AND AMENDMENTS
- 2005 NEC, STANDARDS AND AMENDMENTS

ACCESSIBILITY REQUIREMENTS:

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2006 IBC BUILDING CODE.

APPLICABLE CODES

OWNER/LANDLORD:

VILLAGE AT PINNACLE PEAK, LLC
8711 E. PINNACLE PEAK RD.,
SUITE 100-103
SCOTTSDALE, AZ 85255
PHONE: (480)-513-0707

TOWER OWNER:

VILLAGE AT PINNACLE PEAK, LLC
8711 E. PINNACLE PEAK RD.,
SUITE 100-103
SCOTTSDALE, AZ 85255
PHONE: (480)-513-0707

APPLICANT:

SPRINT
8040 S. 48TH ST., SUITE 200
PHOENIX, AZ 85044

TOWER TYPE:

FAUX BELL TOWER

EXISTING SITE TYPE:

W.C.F.

ASSESSORS PARCEL NUMBER:

212-01-597

LATITUDE:

33.8975 N

LONGITUDE:

-111.892778 W

EXISTING ZONING:

C-2

EXISTING PROJECT AREA:

81 SQ. FT.

PROJECT AREA INCREASE:

0 SQ. FT.

PROPOSED OCCUPANCY:

U

EXISTING OCCUPANCY:

U

JURISDICTION:

CITY OF SCOTTSDALE

ELECTRICAL PROVIDER:

APS

AV PROVIDER:

COX

DEVELOPMENT SUMMARY

SPRINT PROPOSES TO MODIFY AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY

- REMOVE (8) EXISTING PANEL ANTENNAS (2 PER SECTOR)
- INSTALL (3) NEW PANEL ANTENNAS (1 PER SECTOR)
- REMOVE (1) EXISTING DC POWER PLANT/BATTERY CABINET
- REMOVE (1) EXISTING MDO-CELL CABINET
- INSTALL (1) NEW 9927/9228 BTS CABINET
- INSTALL (1) NEW BATTERY CABINET
- INSTALL (1) NEW FIBER DISTRIBUTION BOX
- REMOVE ASSOCIATED EXISTING SPRINT ANTENNA COAXIAL CABLES
- INSTALL (3) NEW HYBRIFLEX FIBER OPTIC CABLES USING EXISTING COAX ROUTE (1 PER SECTOR)
- INSTALL (8) NEW RRH'S
- INSTALL (1) NEW GPS ANTENNA AND CABLE

THESE PLANS HAVE BEEN DEVELOPED FOR THE MODIFICATION TO AN EXISTING TELECOMMUNICATIONS FACILITY OWNED OR LEASED BY SPRINT. CLEAR BLUE SERVICES 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 & MOUNT.

PROJECT DESCRIPTION

CLIENTS REPRESENTATIVE:

OWNER
SPRINT

DEVELOPER
ALCATEL-LUCENT
2500 W. UTOPIA ROAD
PHOENIX, AZ 85027
CONTACT: JIM BARRETT
PHONE: (480) 747-5183

ZONING & PERMITTING
CLEAR BLUE SERVICES
11011 S. 48TH ST.
SUITE 210
PHOENIX, AZ 85044
CONTACT: KENT FLAKE
(602) 426-9500

A/E
CLEAR BLUE SERVICES
11011 SOUTH 48TH STREET
SUITE 210
PHOENIX, AZ 85044
CONTACT: CHRIS HALL
PHONE: (602) 426-9500

DEVELOPER AGENT
GOODMAN NETWORKS
8400 INTERNATIONAL PKWY.
SUITE 1000
PLANO, TX 75093
CONTACT: JOEL HENRIE
PHONE: (972) 406-9692

DEVELOPER LOCAL AGENT
GOODMAN NETWORKS
20783 N. 83RD. AVE.
#103-182
PEORIA, AZ 85382
CONTACT: NEIL MIDDLETON
PHONE: (214) 842-3403

CONSULTANT TEAM

DEPART 2500 W. UTOPIA RD.:

1. HEAD EAST ON W. UTOPIA RD TOWARD N. 23RD AVE., GO 0.1 MI.
 2. W. UTOPIA RD. TURNS SLIGHTLY LEFT AND BECOMES N. 23RD AVE., GO 0.4 MI.
 3. TURN RIGHT ONTO W. BEARDSLEY RD., GO 0.6 MI.
 4. TAKE THE RAMP ON THE LEFT ONTO AZ-101 LOOP E., GO 9.7 MI.
 5. TAKE EXIT 34 FOR SCOTTSDALE RD., GO 0.5 MI.
 6. TURN LEFT ONTO N. SCOTTSDALE RD., GO 2.6 MI.
 7. TURN RIGHT ONTO E. PINNACLE PEAK RD., DESTINATION WILL BE ON THE RIGHT, GO 1.9 MI.
- THE FAUX BELL TOWER IS LOCATED ON THE ROOF ADJACENT TO THE SOUTHWEST FACING WALL OF THE VILLAGE.
- 8711 E. PINNACLE PEAK RD., SCOTTSDALE, AZ 85255

DIRECTIONS

* CONTRACTOR & CREWS SHALL ABIDE BY SPRINT CONSTRUCTION STANDARDS/REQUIREMENTS AS DESCRIBED IN THE ALU SPRINT SAFETY HANDBOOK.

* OSHA REGULATIONS/STANDARDS SHALL BE REVIEWED & FOLLOWED BY ALL EQUIPMENT INSTALLERS AND TOWER/ROOF TOP CONTRACTORS/SUBCONTRACTORS DURING CONSTRUCTION.

* THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REMEDY ALL FAULTY, INFERIOR AND/OR IMPROPER MATERIALS, DAMAGED GOODS, AND/OR FAULTY WORKMANSHIP FOR ONE (1) YEAR AFTER THE PROJECT IS COMPLETE AND ACCEPTED UNDER THIS CONTRACT, UNLESS NOTED OTHERWISE IN THE CONTRACT BETWEEN THE OWNER AND THE CONTRACTOR. (EXCEPTION) THE ROOFING SUBCONTRACTOR SHALL FURNISH A MAINTENANCE AGREEMENT FOR ALL WORK DONE, COSIGNED BY THE GENERAL CONTRACTOR, TO MAINTAIN THE ROOFING IN A WATER-TIGHT CONDITION FOR A PERIOD OF TWO (2) YEARS STARTING AFTER THE DATE OF SUBSTANTIAL COMPLETION OF THE PROJECT, UNLESS OTHERWISE WRITTEN IN THE CONTRACT BETWEEN THE OWNER AND THE CONTRACTOR.

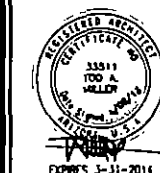
* THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION FOR THE SAFETY OF THE OWNER'S EMPLOYEES, WORKMEN, AND ALL TIMES DURING THE CONSTRUCTION OF THE PROJECT.

* THE CONTRACTOR SHALL BE REQUIRED TO PAY FOR ALL NECESSARY PERMITS AND/OR FEES WITH RESPECT TO THE WORK TO COMPLETE THE PROJECT. BUILDING PERMIT APPLICATIONS SHALL BE FILED BY THE OWNER OR HIS REPRESENTATIVE. CONTRACTOR SHALL OBTAIN PERMIT AND MAKE FINAL PAYMENT FOR SAID DOCUMENT.

* SPRINT GO TO VERIFY ALL MEASUREMENTS OF EXISTING CONDUITS FOR FIBER RUN AND ANY POWER RUNS.

GENERAL NOTES

PROFESSIONAL SEAL



THIS DOCUMENT CONTAINS AN ELECTRONIC
SIGNATURE PURSUANT TO A.P. 101-111
AND WILL BE FULLY VALID AND ENFORCEABLE
ONLY WHEN SIGNED UNDER THE BRITISH
SIGNATURE TO THE DOCUMENT TO
BE SIGNED BY THE SIGNER.

PRELIMINARY UNLESS SIGNED

EXPRES 3-31-2014

SHEET TITLE

TITLE PAGE

SHEET NUMBER

T-1

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL BUILDING CODE, THE LATEST EDITION AND ALL OTHER APPLICABLE CODES AND ORDINANCES.
2. CONTRACTOR SHALL CONSTRUCT SITE IN ACCORDANCE WITH THESE DRAWINGS AND SPRINT INTEGRATED CONSTRUCTION STANDARDS FOR WIRELESS SITES (LATEST REVISION). THE SPECIFICATION IS THE RULING DOCUMENT AND ANY DISCREPANCIES BETWEEN THE SPECIFICATION AND THESE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
3. CONTRACTOR SHALL VISIT THE JOB SITE AND SHALL FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE NEW WORK AND SHALL MAKE PROVISIONS AS TO THE COST THEREOF. FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK. NO COMPENSATION WILL BE AWARDED BASED ON CLAIM OF LACK OF KNOWLEDGE OF FIELD CONDITIONS.
4. PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT AND APPURTENANCES, AND LABOR NECESSARY TO EFFECT ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
5. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS. SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS AND/OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE WORK.
6. 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.
7. CONTRACTOR SHALL RECEIVE CLARIFICATION IN WRITING, AND SHALL RECEIVE IN WRITING AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
8. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING THE BEST CONSTRUCTION SKILLS AND ATTENTION. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER CONTRACT, UNLESS OTHERWISE NOTED.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS.
10. CONTRACTOR SHALL COORDINATE HIS WORK WITH THE SUPERINTENDENT OF BUILDINGS & GROUNDS AND SCHEDULE HIS ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO RADIO EQUIPMENT, ANTENNAS AND ANY OTHER PORTIONS OF THE WORK.
12. INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
13. MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SURFACES, EQUIPMENT, IMPROVEMENTS, PIPING ETC. AND IMMEDIATELY REPAIR ANY DAMAGE THAT OCCURS DURING CONSTRUCTION.
14. IN DRILLING HOLES INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS, ETC., MUST BE CLEARLY UNDERSTOOD THAT REINFORCING STEEL SHALL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER ANY CIRCUMSTANCES (UNLESS NOTED OTHERWISE). LOCATIONS OF REINFORCING STEEL ARE NOT DEFINITELY KNOWN AND THEREFORE MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT.
15. REPAIR ALL EXISTING WALL SURFACES DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND IN WITH ADJACENT SURFACES.
16. SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS.
17. KEEP CONTRACT AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.
18. MINIMUM BEND RADII OF ANTENNA CABLES SHALL BE IN ACCORDANCE WITH CABLE MANUFACTURERS RECOMMENDATIONS.
19. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF THE ENGINEER.
20. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION SHALL BE IN CONFORMANCE WITH JURISDICTIONAL OR STATE AND LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL AND COORDINATED WITH LOCAL REGULATORY AUTHORITIES.
21. LIGHT SHADED LINES AND NOTES REPRESENT WORK PREVIOUSLY DONE. DARK SHADED LINES AND NOTES REPRESENT THE SCOPE OF WORK FOR THIS PROJECT. CONTRACTOR SHALL VERIFY IF EXISTING CONSTRUCTION IS COMPLETE. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY EXISTING CONDITIONS THAT DEViate FROM THE DRAWINGS PRIOR TO BEGINNING CONSTRUCTION.
22. CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS AND/OR WIRING CERTIFICATES REQUIRED FOR THE ELECTRICAL SERVICE UPGRADE. IN ADDITION, CONTRACTOR SHALL PROVIDE ALL NECESSARY COORDINATION AND SCHEDULING WITH THE SERVING ELECTRICAL UTILITY AND LOCAL INSPECTION AUTHORITIES.

1. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ANY/ALL ELECTRICAL WORK INDICATED. ANY/ALL CONSTRUCTION SHALL BE IN ACCORDANCE W/DRAWINGS AND ANY/ALL APPLICABLE SPECIFICATIONS. IF ANY PROBLEMS ARE ENCOUNTERED BY COMPLYING WITH THESE REQUIREMENTS, CONTRACTOR SHALL NOTIFY 'CONSTRUCTION MANAGER' AS SOON AS POSSIBLE, AFTER THE DISCOVERY OF THE PROBLEMS, AND SHALL NOT PROCEED WITH THAT PORTION OF WORK, UNTIL THE 'CONSTRUCTION MANAGER' HAS DIRECTED THE CORRECTIVE ACTIONS TO BE TAKEN.
2. ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH ANY/ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATION INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF. ALL EXISTING CONDITIONS OF ELECTRICAL EQUIP., LIGHT FIXTURES, ETC., THAT ARE PART OF THE PANEL SYSTEM, SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THE SUBMITTAL OF HIS BID. FAILURE TO COMPLY WITH THE PARAGRAPH WILL IN NO WAY RELIEVE CONTRACTOR OF PERFORMING ALL WORK NECESSARY FOR A COMPLETE AND WORKING SYSTEM.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NEC AND ALL CODES AND LOCAL ORDINANCES OF THE LOCAL POWER & TELEPHONE COMPANIES HAVING JURISDICTION AND SHALL INCLUDE BUT NOT BE LIMITED TO

- A. UL -- UNDERWRITERS LABORATORIES
B. NEC -- NATIONAL ELECTRICAL CODE
C. NEMA -- NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
D. OSHA -- OCCUPATIONAL SAFETY AND HEALTH ACT
E. IBC -- INTERNATIONAL BUILDING CODE
F. NFPA -- NATIONAL FIRE CODES

4. DO NOT SCALE ELECTRICAL DRAWINGS. REFER TO SITE PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT, AND CONFIRM WITH 'CONSTRUCTION MANAGER' ANY SIZES AND AND LOCATIONS WHEN NEEDED.
5. EXISTING SERVICES: CONTRACTOR SHALL NOT INTERRUPT EXISTING SERVICES WITHOUT THE WRITTEN PERMISSION OF SPRINT

6. CONTRACTOR SHALL PAY FOR ANY/ALL PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR IS TO OBTAIN PERMITS AND APPROVED SUBMITTALS PRIOR TO THE WORK BEGINNING OR ORDERING EQUIPMENT.
7. THE TERM "PROVIDE" USED IN CONSTRUCTION DOCUMENTS AND SPECIFICATIONS, INDICATES THAT THE CONTRACTOR SHALL FURNISH AND INSTALL.
8. CONTRACTOR SHALL CONFORM WITH LOCAL UTILITY COMPANY ANY/ALL REQUIREMENTS SUCH AS THE: LUG SIZE RESTRICTIONS, CONDUIT ENTRY, SIZE OF TRANSFORMERS, SCHEDULED DOWNTIME FOR THE OWNERS' CONFIRMATION, ETC. ANY/ALL CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER, PRIOR TO BEGINNING ANY WORK.
9. MINIMUM WIRE SIZE SHALL BE #12 AWG, NOT INCLUDING CONTROL WIRING, UNLESS NOTED OTHERWISE. ALL CONDUCTORS SHALL BE COPPER WITH THWN INSULATION.
10. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET/DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
11. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION. CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS FOR THE EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
12. ELECTRICAL SYSTEM SHALL BE AS COMPLETELY AND EFFECTIVELY GROUNDED, AS REQUIRED BY SPECIFICATION, SET FORTH BY SPRINT.
13. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS, WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULL OPERATIVE AND SUBJECT TO REGULATORY INSPECTION AND APPROVAL BY CONSTRUCTION MANAGER.
14. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
15. CONTRACTOR SHALL GUARANTEE ANY/ALL MATERIALS AND WORK FREE FROM DEFECTS OR A PERIOD OF NOT LESS THAN TWO YEARS FROM DATE OF CUSTOMER'S ACCEPTANCE.
16. THE CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ANY ADDITIONAL CHARGE AND SHALL INCLUDE THE REPLACEMENT OF THE REPAIR OF ANY OTHER PHASE OF THE INSTALLATION, WHICH MAY HAVE BEEN DAMAGED THEREIN WITHIN 48 HOURS.
17. ADEQUATE AND REQUIRED LIABILITY INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LOSS AND ANY/ALL PROPERTY DAMAGE FOR THE DURATION OF WORK.
18. PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES AND DEVICES FOR ALL OUTLETS AS INDICATED.
19. DITCHING AND BACK FILL: CONTRACTOR SHALL PROVIDE FOR ALL UNDERGROUND INSTALLED CONDUIT AND/OR CABLES INCLUDING EXCAVATION AND BACKFILLING AND COMPACTION. REFER TO NOTES AND REQUIREMENTS, EXCAVATION, AND BACKFILLING.
20. MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SHALL APPEAR ON THE LIST OF U.L. APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE NEC, NEMA AND IEEE.
21. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR MANUFACTURES CATALOG INFORMATION OF ANY/ALL LIGHTING FIXTURES, SWITCHES AND ALL OTHER ELECTRICAL ITEMS FOR APPROVAL BY THE CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
22. ANY CUTTING OR PATCHING DEEMED NECESSARY FOR ELECTRICAL WORK IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY AND SHALL BE INCLUDED IN THE COST FOR WORK AND PERFORMED TO THE SATISFACTION OF THE 'CONSTRUCTION MANAGER' UPON FINAL ACCEPTANCE.
23. THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS WITH ONLY TYPEWRITTEN DIRECTORIES ALL ELECTRICAL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
24. DISCONNECT SWITCHES SHALL BE H.P. RATED HEAVY-DUTY, QUICK-MAKE AND QUICK-BREAK ENCLOSURES, AS REQUIRED BY EXPOSURE TYPE.
25. ALL CONNECTIONS SHALL BE MADE WITH A PROTECTIVE COATING OF AN ANTI-OXIDE COMPOUND SUCH AS "NO-OXIDE A" BY DEARBORNE CHEMICAL CO. COAT ALL WIRE SURFACES BEFORE CONNECTING EXPOSED COPPER SURFACES. INCLUDING GROUND BARS, SHALL BE TREATED - NO SUBSTITUTIONS.
26. REACEWAYS: CONDUIT SHALL BE SCHEDULE 40 PVC MEETING OR EXCEEDING NEMA TC2 - 1990. CONTRACTOR SHALL PLAG AND CAP EACH END OF SPARE AND EMPTY CONDUITS AND PROVIDE TWO SEPARATE PULL STRINGS - 200 LBS TEST POLYETHYLENE CORD. ALL CONDUIT BENDS SHALL BE A MINIMUM OF 2 FT. RADIUS. RGS CONDUITS WHEN SPECIFIED, SHALL MEET UL-6 FOR GALVANIZED STEEL. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT. COAT ALL THREADS WITH 'BRITZ ZINC' OR 'GOLD CALV'.
27. SUPPORT OF ALL ELECTRICAL WORK SHALL BE AS REQUIRED BY NEC.
28. CONDUCTORS: CONTRACTOR SHALL USE 98% CONDUCTIVITY COPPER WITH TYPE THWN INSULATION, 600 VOLT, COLOR CODED. USE SOLID CONDUCTORS FOR WIRE UP TO AND INCLUDING NO. 8 AWG. USE STRANDED CONDUCTORS FOR WIRE ABOVE NO. 8 AWG.
29. CONNECTORS FOR POWER CONDUCTORS: CONTRACTOR SHALL USE PRESSURE TYPE INSULATED TWIST-ON CONNECTORS FOR NO. 10 AWG AND SMALLER. USE SOLDERLESS MECHANICAL TERMINAL LUGS FOR NO. 8 AWG AND LARGER.
30. SERVICE: 240/120V, SINGLE PHASE, 3 WIRE CONNECTIONS AVAILABLE FROM UTILITY COMPANY. OWNER OR OWNERS AGENT WILL APPLY FOR POWER.

1. ALL WORK PERFORMED SHALL BE DONE IN ACCORDANCE WITH ISSUED PERMITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF FINES AND PROPER CLEAN UP FOR AREAS IN VIOLATION.
2. CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR CONSTRUCTION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS DURING CONSTRUCTION FOR PROTECTION OF ADJACENT PROPERTIES, ROADWAYS AND WATERWAYS AND SHALL BE MAINTAINED IN PLACE THROUGH FINAL JURISDICTIONAL INSPECTION & RELEASE OF SITE.
3. CONTRACTOR SHALL INSTALL/CONSTRUCT ALL NECESSARY SEDIMENT/SILT CONTROL FENCING AND PROTECTIVE MEASURES WITHIN THE LIMITS OF SITE DISTURBANCE PRIOR TO CONSTRUCTION.
4. NO SEDIMENT SHALL BE ALLOWED TO EXIT THE PROPERTY. THE CONTRACTOR IS RESPONSIBLE FOR TAKING ADEQUATE MEASURES FOR CONTROLLING EROSION. ADDITIONAL SEDIMENT CONTROL FENCING MAY BE REQUIRED IN ANY AREAS SUBJECT TO EROSION.
5. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE ON THE SITE AT ALL TIMES WITH SILT AND EROSION CONTROL MEASURES MAINTAINED ON THE DOWNSTREAM SIDE OF SITE DRAINAGE. ANY DAMAGE TO ADJACENT PROPERTY AS A RESULT OF EROSION WILL BE CORRECTED AT THE CONTRACTORS EXPENSE.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTIONS AND ANY REPAIRS OF ALL SEDIMENT CONTROL MEASURES INCLUDING SEDIMENT REMOVAL AS NECESSARY.

1. VERIFY EACH COAXIAL CABLE LENGTH, DIAMETER, ROUTING, COLOR CODING AND ALL APPURTENANCES.
2. THE MAXIMUM COAXIAL CABLE LENGTH AND CORRESPONDING COAXIAL CABLE DIAMETER IS SHOWN ON SHEET A-4. THIS CABLE LENGTH IS TO BE USED FOR FABRICATION OR CONSTRUCTION. ACTUAL ANTENNA CABLE LENGTH(S) MUST BE VERIFIED. COAXIAL CABLE SHALL BE PROVIDED BY SPRINT.
3. ALL COAX CABLES SHALL UTILIZE GROUND KITS, GROUNDED AS FOLLOWS:
 - A. NEAR ANTENNA RAD CENTER ELEVATION,
 - B. MIDDLE OF TOWER (MID-HEIGHT OF ANTENNA), IF CABLE RUN IS OVER 200',
 - C. BOTTOM OF TOWER,
 - D. AT MASTER GROUND BAR 3'-0" FROM MWBS-BBU CABINET
4. ALL TOP JUMPERS SHALL BE LENGTHS AS SHOWN AND INSTALLED BY CONTRACTOR.
5. ALL CABLES SHALL BE COLOR CODED AS SHOWN ON SHEET RF-1 AND IN ACCORDANCE WITH SPRINT SPECIFICATIONS
6. BANDING SHALL BE IN ACCORDANCE WITH SHEET A-4, RF-1 AND AS FOLLOWS:

- A. MAIN LINE COLOR BANDS SHALL BE 2" WIDE MAINTAIN 1" SPACING BETWEEN COLORS.
 - B. FREQUENCY COLOR BANDS SHALL BE 2" WIDE WITH NO SPACE BETWEEN COLORS.
 - C. JUMPER COLOR BANDS SHALL BE 1" WIDE WITH 1" SPACE.
 - D. START COLOR BANDS 2" BEYOND WEATHERPROOFING.
 - E. START SELECTOR COLOR NEXT TO END CONNECTORS.
7. FINAL COAXIAL ANTENNA CABLE SIZES SHALL BE DETERMINED BY ALU SPRINT RF ENGINEER. SEE ANTENNA SCHEDULE SHEET A-4. BASED ON FINAL CABLE RUN LENGTHS DETERMINED BY SPRINT.
 8. SEE CONSTRUCTION MANAGER FOR ANTENNA SUPPORT ASSEMBLY TYPE.
 9. ALL COAXIAL CABLE WILL BE SECURED TO THE DESIGNED SUPPORT STRUCTURE AT DISTANCES NOT TO EXCEED 3' OR THE CABLE MANUFACTURERS SPECIFICATIONS WHICHEVER IS LESS, WITH HARDWARE SPECIFIED IN THE COAXIAL CABLE ROUTING DETAILS OF THE SUPPLIED STRUCTURAL REPORT BY OTHERS.
 10. PROVIDE AT LEAST 6" OF SLACK IN THE MAIN COAXIAL CABLES AT THE ANTENNA MOUNTING ELEVATION TO PROVIDE FOR FUTURE CONNECTOR REPLACEMENT.

1. VERIFY EACH HYBRID CABLE LENGTH, ROUTING, DIAMETER, COLOR CODING AND ALL APPURTENANCES WITH SPRINT.
2. THE HYBRID CABLE AND DIAMETER LENGTH IS SHOWN ON A-4. EXCESS CABLE LENGTHS TO BE DRESSED IN A MANNER APPROVED BY SPRINT. CABLES CANNOT BE CUT TO FIT.
3. HYBRID CABLE INTERNAL GROUND WIRE TO BE GROUNDED AT TOP AND BOTTOM PER SAMUSUNG'S (SPRINT) SPECIFICATIONS.
4. EXCESS TOP 15' HYBRID CABLE FIBER JUMPERS TO BE DRESSED IN A MANNER APPROVED BY SPRINT. CANNOT BE COILED, MUST BE SECURED TO TOWER MOUNTS..
5. ALL MAIN CABLES SHALL BE COLOR CODED AS SHOWN ON SHEET RF-1 & IN ACCORDANCE WITH SPRINT SPECIFICATIONS
6. BANDING SHALL BE IN ACCORDANCE WITH SHEET A-4, RF-1.
 - A. MAIN LINE COLOR BANDS SHALL BE 2" WIDE. MAINTAIN 1" SPACING BETWEEN.
 - B. JUMPER COLOR BANDS SHALL BE 1" WIDE WITH 1" SPACE.
 - C. START COLOR BANDS 2" BEFORE MAIN CABLE END.
7. FINAL HYBRID CABLE SIZES SHALL BE DETERMINED BY ALL SPRINT RF ENGINEER. SEE HYBRID CABLE SCHEDULE SHEET RF-1. BASED ON FINAL CABLE RUN LENGTHS DETERMINED BY SPRINT.
8. ALL HYBRID CABLE WILL BE SECURED TO THE DESIGNED SUPPORT STRUCTURE AT DISTANCES NOT TO EXCEED 3' HORIZONTALLY OR 4' VERTICALLY OR THE CABLE MANUFACTURER'S SPECIFICATIONS WHICHEVER IS LESS, WITH HARDWARE SPECIFIED IN THE HYBRID CABLE ROUTING DETAILS OF THE SUPPLIED STRUCTURAL SUPPORT

1. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
2. DO NOT SCALE BUILDING DIMENSIONS FROM DRAWING
3. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON AS-BUILT DRAWINGS BY GENERAL CONTRACTOR AND ISSUED TO ARCHITECT/ENGINEER AT COMPLETION OF PROJECT.
4. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS AND THEIR DIMENSIONS SHOWN ON PLANS HAVE BEEN PLOTTED FROM AVAILABLE RECORDS THE ENGINEER AND OWNER ASSUME NOT RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
5. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES BOTH HORIZONTALLY AND VERTICALLY PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.
6. CONTRACTOR SHALL CALL LOCAL DIGGER HOT LINE FOR UTILITY LOCATIONS 48 HOURS PRIOR TO START OF CONSTRUCTION
7. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
8. GRADING OF THE SITE WORK AREA IS TO BE SMOOTH AND CONTINUOUS IN SLOPE AND IS TO FEATHER INTO EXISTING GRADES AT THE GRADING LIMITS.
9. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY

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Laid back or braced in accordance with correct occupational safety and health administration (OSHA) requirements.

10. STRUCTURAL FILLS SUPPORTING PAVEMENTS SHALL BE COMPACTED TO 95% OF MAXIMUM STANDARD PROCTOR DRY DENSITY.

11. NEW GRADES NOT IN BUILDING AND DRIVEWAY IMPROVEMENT AREA TO BE ACHIEVED BY FILLING WITH APPROVED CLEAN FILL AND COMPACTED TO 95% OF STANDARD PROCTOR DENSITY.

12. ALL FILL SHALL BE PLACED IN UNIFORM LIFTS. THE LIFT THICKNESS SHOULD NOT EXCEED THAT WHICH CAN BE PROPERLY COMPACTED THROUGHOUT ITS ENTIRE DEPTH WITH THE EQUIPMENT AVAILABLE.

13. ANY FILLS PLACED ON EXISTING SLOPES THAT ARE STEEPER THAN 10 HORIZONTAL TO 1 VERTICAL SHALL BE PROPERLY BENCHED INTO THE EXISTING SLOPE AS DIRECTED BY A GEOTECHNICAL ENGINEER.

14. CONTRACTOR SHALL CLEAN ENTIRE SITE DAILY AFTER CONSTRUCTION SUCH THAT NO PAPERS, THRASH, WEEDS, BRUSH OR ANY OTHER DEPOSITS WILL REMAIN. ALL MATERIALS COLLECTED DURING CLEANING OPERATIONS SHALL BE DISPOSED OF OFF-SITE BY THE GENERAL CONTRACTOR.

15. ALL TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH THE IMPROVEMENTS SHALL BE PROTECTED BY THE GENERAL CONTRACTOR.

16. ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY GENERAL CONTRACTOR WITH LOCAL UTILITY COMPANY, TELEPHONE COMPANY, AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION.

FOUNDATION, EXCAVATION AND BACKFILL NOTES - N/A

1. ALL FINAL GRADED SLOPES SHALL BE A MAXIMUM OF 3 HORIZONTAL TO 1 VERTICAL.

2. ALL EXCAVATIONS PREPARED FOR PLACEMENT OF CONCRETE SHALL BE OF UNDISTURBED SOILS, SUBSTANTIALLY HORIZONTAL AND FREE FROM ANY LOOSE, UNSUITABLE MATERIAL OR FROZEN SOILS, AND WITHOUT THE PRESENCE OF POUNDING WATER. DEWATERING FOR EXCESS GROUND WATER SHALL BE PROVIDED WHEN REQUIRED. COMPACTION OF SOILS UNDER CONCRETE PAD FOUNDATIONS SHALL NOT BE LESS THAN 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY FOR THE SOIL IN ACCORDANCE WITH ASTM D1557.

3. CONCRETE FOUNDATIONS SHALL NOT BE PLACED ON ORGANIC OR UNSUITABLE MATERIAL IF INADEQUATE BEARING CAPACITY IS REACHED AT THE DESIGNED EXCAVATION DEPTH. THE UNSATISFACTORY SOIL SHALL BE EXCAVATED TO ITS FULL DEPTH AND EITHER BE REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION SHALL BE FILLED WITH CONCRETE OF THE SAME TYPE SPECIFIED FOR THE FOUNDATION. CRUSHED STONE MAY BE USED TO STABILIZE THE BOTTOM OF THE EXCAVATION ANY STONE SUB BASE MATERIAL, IF USED, SHALL NOT SUBSTITUTE FOR REQUIRED THICKNESS OF CONCRETE.

4. ALL EXCAVATIONS SHALL BE CLEAN OF UNSUITABLE MATERIAL SUCH AS VEGETATION, TRASH, DEBRIS, AND SO FORTH PRIOR TO BACK FILLING. BACK FILL SHALL CONSIST OF APPROVED MATERIALS SUCH AS FATH, LOAM SAND, CLAY, SAND AND GRAVEL, OR SOFT SHALE, FREE FROM CLODS OR LARGE STONES OVER 2 1/2" MAX DIMENSIONS. ALL BACK FILL SHALL BE PLACED IN COMPACTED LAYERS.

5. ALL FILL MATERIALS AND FOUNDATION BACK FILL SHALL BE PLACED MAXIMUM 6" THICK LIFTS BEFORE COMPACTION. EACH LIFT SHALL BE WETTED IF REQUIRED AND COMPACTED TO NOT LESS THAN 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY FOR SOIL IN ACCORDANCE WITH ASTM D1557.

6. NEWLY PLACED CONCRETE FOUNDATIONS SHALL CURE A MINIMUM OF 72 HRS PRIOR TO BACK FILLING.

7. FINISHED GRADING SHALL BE SLOPED TO PROVIDE POSITIVE DRAINAGE AND PREVENT STANDING WATER. THE FINAL (FINISH) ELEVATION OF SLAB FOUNDATIONS SHALL SLOPE AWAY IN ALL DIRECTIONS FROM THE CENTER. FINISH GRADE OF CONCRETE PADS SHALL BE A MAXIMUM OF 4 INCHES ABOVE FINAL FINISH GRADE ELEVATIONS. PROVIDE SURFACE FILL GRAVEL TO ESTABLISH SPECIFIED ELEVATIONS WHERE REQUIRED.

8. NEWLY GRADED SURFACE AREAS TO RECEIVE GRAVEL SHALL BE COVERED WITH GEOTEXTILE FABRIC TYPE: TYPAR-3401 AS MANUFACTURED BY "CONSTRUCTION MATERIAL 1-800-239-3841" OR AN APPROVED EQUIVALENT, SHOWN ON PLANS. THE GEOTEXTILE FABRIC SHALL BE BLACK IN COLOR TO CONTROL THE RECURRENCE OF VEGETATIVE GROWTH AND EXTEND TO WITHIN 1 FOOT OUTSIDE THE SITE FENCING OR ELECTRICAL GROUNDING SYSTEM PERIMETER WHICH EVER IS GREATER. ALL FABRIC SHALL BE COVERED WITH A MINIMUM OF 4" DEEP COMPACTED STONE OR GRAVEL AS SPECIFIED I.E. FOOT TYPE No. 57 FOR FENCED COMPOUND; FOOT TYPE No. 67 FOR ACCESS DRIVE AREA.

9. IN ALL AREAS TO RECEIVE FILL, REMOVE ALL VEGETATION, TOPSOIL, DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE. PLOW STRIP OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SUCH THAT FILL MATERIAL WILL BIND WITH EXISTING/PREPARED SOIL SURFACE.

10. WHEN SUB GRADE OR PREPARED GROUND SURFACE HAS A DENSITY LESS THAN THAT REQUIRED FOR THE FILL MATERIAL, SCARIFY THE GROUND SURFACE TO DEPTH REQUIRED, PULVERIZE, MOISTURE-CONDITION AND/OR AERATE THE SOILS AND RE-COMPACT TO THE REQUIRED DENSITY PRIOR TO PLACEMENT OF FILLS.

11. IN AREAS WHICH EXISTING GRAVEL SURFACING IS REMOVED OR DISTURBED DURING CONSTRUCTION OPERATIONS, REPLACE GRAVEL SURFACING TO MATCH ADJACENT GRAVEL SURFACING AND RESTORED TO THE SAME THICKNESS AND COMPACTION AS SPECIFIED. ALL RESTORED GRAVEL SURFACING SHALL BE FREE FROM CORRUGATIONS AND WAVES.

12. EXISTING GRAVEL SURFACING MAY BE EXCAVATED SEPARATELY AND REUSED WITH THE CONDITION THAT ANY UNFAVORABLE AMOUNTS OF ORGANIC MATTER, OR OTHER DELETERIOUS MATERIALS ARE REMOVED PRIOR TO REUSE. FURNISH ANY ADDITIONAL GRAVEL RESURFACING MATERIAL AS NEEDED TO PROVIDE A FULL DEPTH COMPACTED SURFACE THROUGHOUT SITE.

13. GRAVEL SUB SURFACE SHALL BE PREPARED TO REQUIRED COMPACTION AND SUB GRADE ELEVATIONS BEFORE GRAVEL SURFACING IS PLACED AND/OR RESTORED. ANY LOOSE OR DISTURBED MATERIALS SHALL BE THOROUGHLY COMPACTED AND ANY DEPRESSIONS IN THE SUB GRADE SHALL BE FILLED AND COMPACTED WITH APPROVED SELECTED MATERIAL. GRAVEL SURFACING MATERIAL SHALL NOT BE USED FOR FILLING DEPRESSIONS IN THE SUB GRADE.

14. PROTECT EXISTING GRAVEL SURFACING AND SUB GRADE IN AREAS WHERE EQUIPMENT LOADS WILL OPERATE.

15. DAMAGE TO EXISTING STRUCTURES AND/OR UTILITIES RESULTING FROM CONTRACTORS NEGLIGENCE SHALL BE REPAIRED AND/OR REPLACED TO THE OWNERS SATISFACTION AT NO ADDITIONAL COST TO THE CONTRACT.

16. ALL SUITABLE BORROW MATERIAL FOR BACK FILL OF THE SITE SHALL BE INCLUDED IN THE B.D. EXCESS TOPSOIL AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF SITE AT LOCATIONS APPROVED BY GOVERNING AGENCIES AT NO ADDITIONAL COST TO THE CONTRACT.

STRUCTURAL STEEL NOTES - N/A

1. ALL STEEL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION. STEEL SECTIONS SHALL BE IN ACCORDANCE WITH ASTM AS INDICATED BELOW:
W-SHAPES: ASTM A992, 50 KSI
ANGLES, BARS CHANNELS: ASTM A36, 36 KSI
HSS SECTIONS: ASTM 500, 48 KSI
PIPE SECTIONS: ASTM A53-C, 35 KSI

2. ALL EXTERIOR EXPOSED STEEL AND HARDWARE SHALL BE HOT DIPPED GALVANIZED.

3. ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION". PAINTED SURFACES SHALL BE TOUCHED UP.

4. NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" ASTM A 307 BOLTS UNLESS NOTED OTHERWISE.

5. FIELD MODIFICATIONS ARE TO BE COATED WITH ZINC ENRICHED PAINT.

GENERAL NOTES

CONCRETE MASONRY NOTES - N/A

1. CONCRETE MASONRY UNITS SHALL BE MEDIUM WEIGHT UNITS CONFORMING TO ASTM C90, GRADE N-1, (F'W=1,500 PS), MEDIUM WEIGHT (115 PCF).

2. MORTAR SHALL BE TYPE "S" (MINIMUM 1,800 PSI AT 28 DAYS).

3. GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS.

4. ALL CELLS CONTAINING REINFORCING STEEL OR EMBEDDED ITEMS AND ALL CELLS IN RETAINING WALLS AND WALLS BELOW GRADE SHALL BE SOLID GROUTED.

5. ALL HORIZONTAL REINFORCEMENT SHALL BE PLACED IN BOND BEAM OR LINTEL BEAM UNITS.

6. WHEN GROUTING IS STOPPED FOR ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE GROUT POUR 1-1/2" BELOW TOP OF THE UPPERMOST UNIT.

7. ALL BOND BEAM BLOCK SHALL BE "DEEP CUT" UNITS.

8. PROVIDE INSPECTION AND CLEAN-OUT HOLES AT BASE OF VERTICAL CELLS HAVING GROUT LIFTS IN EXCESS OF 4'-0" OF HEIGHT.

9. ALL GROUT SHALL BE CONSOLIDATED WITH A MECHANICAL VIBRATOR.

10. CEMENT SHALL BE AS SPECIFIED FOR CONCRETE.

11. REINFORCING BARS - SEE NOTES UNDER "STRUCTURAL CONCRETE NOTES" FOR REQUIREMENTS

12. PROVIDE ONE BAR DIAMETER (A MINIMUM OF 1/2") GROUT BETWEEN MAIN REINFORCING AND MASONRY UNITS.

13. LOW LIFT CONSTRUCTION, MAXIMUM GROUT POUR HEIGHT IS 4 FEET.

14. HIGH LIFT GROUTED CONSTRUCTION MAY BE USED IN CONFORMANCE WITH PROJECT SPECIFICATIONS AND SECTION 2104.6.1 OF U.B.C.

15. ALL CELLS IN CONCRETE BLOCKS SHALL BE FILLED SOLID WITH GROUT, EXCEPT AS NOTED IN THE DRAWINGS OR SPECIFICATIONS.

16. CELLS SHALL BE IN VERTICAL ALIGNMENT, DOWELS IN FOOTINGS SHALL BE SET TO ALIGN WITH CORES CONTAINING REINFORCING STEEL.

17. REFER TO ARCHITECTURAL DRAWINGS FOR SURFACE AND HEIGHT OF UNITS, LAYING PATTERN AND JOINT TYPE.

18. SAND SHALL BE CLEAN, SHARP AND WELL GRADED, FREE FROM INJURIOUS AMOUNTS OF DUST, LUMPS, SHALE, ALKALI OR ORGANIC MATERIAL.

19. BRICK SHALL CONFORM TO ASTM C-62 AND SHALL BE GRADE MW OR BETTER.

STRUCTURAL CONCRETE NOTES - N/A

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301-05, ACI 318-05 AND THE SPECIFICATION FOR CAST-IN-PLACE CONCRETE.

2. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'c)=3,000 PSI AT 28 DAYS UNLESS NOTED OTHERWISE.

3. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES CLASS "B" AND ALL HOOKS SHALL BE STANDARD UNLESS NOTED OTHERWISE.

4. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

CONCRETE CAST AGAINST EARTH3 IN.

CONCRETE EXPOSED TO EARTH OR WEATHER:

#6 AND LARGER.....2 IN.

#5 AND SMALLER & WWF.....1 1/2 IN.

CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND.

SLAB AND WALL.....3/4 IN.

BEAMS AND COLUMNS1 1/2 IN.

5. A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE U.N.O. IN ACCORDANCE WITH ACI 301 SECTION 4.2.4

6. HOLES TO RECEIVE EXPANSION/WEDGE ANCHORS SHALL BE 1/8" LARGER IN DIAMETER THAN THE ANCHOR BOLT, DOWEL OR ROD AND SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. LOCATE AND AVOID CUTTING EXISTING REBAR WHEN DRILLING HOLES IN ELEVATED CONCRETE SLABS

7. USE AND INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER ICBO & MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURES

WEATHERPROOFING NOTES

STANDARD CONSTRUCTION SPECIFICATIONS FOR WIRELESS SITES

3.6 WEATHERPROOFING CONNECTORS AND GROUND KITS:

A. ALL CONNECTORS AND GROUND KITS SHALL BE WEATHERPROOFED USING BUTYL RUBBER WEATHERPROOFING AND TAPE. THIS INSTALLATION MUST BE DONE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION OR AS SHOWN ON THE CONSTRUCTION DRAWINGS (WHICHEVER IS GREATER). IF NO DIRECTION IS PROVIDED, WEATHERPROOFING MUST BE DONE PER THE FOLLOWING INSTRUCTIONS.

1. THE COAXIAL CABLE CONNECTION OR GROUND KIT CAN BE ENCOMPASSED INTO COLD SHRINK AND COMPLETELY WRAPPED WITH 2 INCH WIDE ELECTRICAL TAPE OVERLAPPING EACH ROW BY APPROXIMATELY 1/2" AND EXTENDING PAST THE CONNECTION BY TWO INCHES AS DISCUSSED BELOW, OR
2. THE COAXIAL CABLE CONNECTION OR GROUND KIT CAN BE WRAPPED WITH LAYERS OF ELECTRICAL/BUTYL RUBBER/ELECTRICAL TAPE AS DISCUSSED BELOW; OR
3. THE COAXIAL CABLE CONNECTION OR GROUND KIT CAN BE WRAPPED WITH TWO LAYERS OF 1.5 INCH WIDE SELF-AMALGAMATING TAPE COVERED WITH TWO LAYERS OF ELECTRICAL TAPE AS DISCUSSED BELOW.

A. COLD SHRINK INSTALLATION PROCEDURE:

1. REQUIRED MATERIAL: COLD SHRINK TUBE, SPACERS AS NEEDED, BLACK ELECTRICAL TAPE-2 INCHES WIDE
2. REQUIRED TOOLS: KNIFE AND TAPE MEASURE

STEP 1: THOROUGHLY CLEAN AND DRY THE SURFACE OF COAXIAL CABLE AND CONNECTOR TO REMOVE ALL GREASE AND DIRT. MARK THE MAIN FEED (LARGER DIAMETER) COAXIAL CABLE AT LEAST TWO INCHES ABOVE THE CONNECTION AS THE SPECIFIED START DIMENSION FOR THE COLD SHRINK.

STEP 2: SLIDE THE COLD SHRINK TUBE OVER THE PRE-CONNECTORIZED END OF THE LARGER DIAMETER COAXIAL CABLE PRIOR TO MAKING CONNECTOR INTERFACES MAKE THE CONNECTION.

STEP 3: REMOVE WAX PAPER FROM A SPACER HALF AND PRESS ONTO COAXIAL CABLE DIRECTLY BEHIND THE CONNECTOR. REMOVE THE WAX PAPER FROM THE OTHER SPACER HALF AND ALIGN THE TWO SPACER HALVES WITH ADHESIVE PORTIONS FACING EACH OTHER. PRESS THE SPACER HALVES TOGETHER. THE SPACER WILL BE PLACED NEXT TO THE CONNECTOR ON THE SMALLER DIAMETER COAXIAL CABLE SIDE.

STEP 4: SLIDE THE COLD SHRINK TUBE OVER THE CONNECTION TO THE SPECIFIED START DIMENSION MARK. HOLD THE COLD SHRINK TUBE AND COAXIAL CABLE IN ONE HAND SO THAT THE EDGE OF COLD SHRINK TUBE IS IN LINE WITH THE MARK.

STEP 5: WITH YOUR FREE HAND, BEGIN REMOVING COLD SHRINK TUBE CORE. THE CORE WILL BE REMOVED BY UNWINDING IN A COUNTERCLOCKWISE DIRECTION WHILE LIGHTLY PULLING THE ATTACHED CORD AWAY FROM THE TUBE.

STEP 6: USE BOTH HANDS TO CONTINUE THE UNWINDING PROCESS AS THE COLD SHRINK TUBE BEGINS TO COLLAPSE INTO POSITION CONTINUE THE UNWINDING PROCESS UNTIL THE CORE IS COMPLETELY REMOVED AND THE COLD SHRINK TUBE IS INSTALLED.

STEP 7: EXCESS COLD SHRINK TUBE EXTENDING TWO INCHES BEYOND THE SPACER HALVES CAN BE REMOVED OR LEFT IN PLACE. EXCESS COLD SHRINK TUBE CAN BE CAREFULLY CUT OFF WITH A KNIFE.

STEP 8: WRAP OVER THE COLD SHRINK TUBE WITH ONE LAYER OF BLACK ELECTRICAL TAPE 2 INCH WIDTH OVERLAPPING EACH ROW BY 1/2 INCH. THIS TOP LAYER MUST BE WRAPPED USING A SHINGLED EFFECT. THE LAYER SHALL BE WRAPPED SO THAT THE ENDS ARE IN THE UPWARD DIRECTION CREATING A SHINGLED EFFECT WITH THE TAPE SO WATER WILL BE REPELLED AND NOT ALLOWED TO COLLECT AND POOL. THIS TOP LAYER OF ELECTRICAL TAPE MUST EXTEND TWO INCHES (THE TAPE WIDTH) PAST THE COLD SHRINK TUBE ONTO THE UNDERLYING CABLE. TAPE SHALL BE WRAPPED SO THAT NO VOIDS OR AIR PACKETS ARE PRESENT. TAPE SHALL BE CUT WITH A SHARP KNIFE.

B. BUTYL RUBBER TAPE INSTALLATION PROCEDURE:

1. REQUIRED MATERIAL: BLACK ELECTRICAL TAPE-2 INCH WIDE AND BUTYL RUBBER TAPE 2 TO 3 INCHES WIDE.
2. REQUIRED TOOLS: KNIFE OR SCISSORS

STEP 1: THOROUGHLY CLEAN AND DRY THE SURFACE OF COAXIAL CABLE AND CONNECTOR TO REMOVE ALL GREASE AND DIRT. WRAP CONNECTOR/GROUND KIT WITH TWO LAYERS OF BLACK ELECTRICAL TAPE-2 INCH WIDTH OVERLAPPING EACH ROW BY APPROXIMATELY 1/2 INCH. THESE LAYERS OF TAPE MUST BE WRAPPED TIGHT ENOUGH SO THAT NO VOIDS OR AIR PACKETS ARE PRESENT AND MUST EXTEND ONE INCH PAST THE CONNECTOR/GROUND KIT ON EACH SIDE. TWO ROWS SHALL BE APPLIED, ONE IN EACH DIRECTION, WITH THE TOP ROW SHINGLED TO PROMOTE WATER RUNOFF.

STEP 2: WRAP CONNECTOR/GROUND KIT WITH ONE LAYER OF BUTYL RUBBER TAPE (2 TO 3 INCHES WIDTH) OVER THE BLACK ELECTRICAL TAPE OVERLAPPING EACH ROW BY APPROXIMATELY 1/2 INCH. THE BUTYL RUBBER TAPE MUST EXTEND 2 TO 3 INCHES (THE TAPE WIDTH) PAST THE ELECTRICAL TAPE AND COME IN GOOD CONTACT WITH THE UNDERLYING CABLE, ON CONNECTORS, WHEN WEATHERPROOFING FROM THE MAIN LINE TO THE JUMPER, BUILD UP THIS AREA WITH EXTRA BUTYL RUBBER TAPE TO INSURE A SMOOTH TRANSITION FREE OF VOIDS AND AIR PACKETS DOWN TO THE SMALLER DIAMETER CABLE.

STEP 3: WRAP CONNECTOR/GROUND KIT WITH TWO LAYERS OF BLACK ELECTRICAL TAPE 2 INCH WIDTH OVERLAPPING EACH ROW BY 1/2 INCH. THESE LAST TWO LAYERS MUST BE WRAPPED USING A SHINGLED EFFECT. THE TOP LAYER SHALL BE WRAPPED SO THAT THE ENDS ARE IN THE UPWARD DIRECTION CREATING A SHINGLED EFFECT WITH THE TAPE SO WATER WILL BE REPELLED AND NOT ALLOWED TO COLLECT AND POOL. THESE TOP LAYERS OF ELECTRICAL TAPE MUST EXTEND TWO INCHES (THE TAPE WIDTH) PAST THE BUTYL RUBBER TAPE ONTO THE UNDERLYING CABLE.

ALL LAYERS OF TAPE SHALL BE WRAPPED SO THAT NO VOIDS OR AIR PACKETS ARE PRESENT. THE LAST WRAP OF TAPE SHALL NOT BE PULLED OR STRETCHED. ALL TAPE SHALL BE CUT WITH A SHARP KNIFE OR SCISSORS.

D. SELF-AMALGAMATING TAPE INSTALLATION PROCEDURE:

1. REQUIRED MATERIAL: SELF-AMALGAMATING TAPE -1.5 INCHES WIDE AND BLACK ELECTRICAL TAPE - 2 INCHES WIDE.
2. REQUIRED TOOLS: KNIFE OR SCISSORS.

STEP 1: THOROUGHLY CLEAN AND DRY THE SURFACE OF COAXIAL CABLE AND CONNECTOR TO REMOVE ALL GREASE AND DIRT.

STEP 2: START WRAPPING SELF-AMALGAMATING TAPE ON THE CABLE AT LEAST 2 INCHES FROM THE CONNECTOR/GROUND KIT. MAKE SURE TAPE IS STRETCHED TIGHT DURING THIS APPLICATION.

STEP 3: WHILE STRETCHING TAPE, MAKE ONE WRAP OF THE TAPE AROUND THE CABLE, MAKING SURE THE TAPE IS WRAPPED ONTO ITSELF. THE TAPE WILL ONLY ADHERE TO ITSELF.

STEP 4: CONTINUE WRAPPING THE CABLE AND CONNECTOR/GROUND KIT USING HALF OVERLAP (0.75 INCH WIDE) LAYERS.

STEP 5: WRAP OVER AND PAST THE CONNECTOR/GROUND KIT AT LEAST 2 INCHES.

STEP 6: TO TERMINATE THE SELF-AMALGAMATING TAPE, WRAP THE TAPE AT LEAST ONE FULL ROUND OVER THE CABLE STRETCHING THE TAPE TIGHT. CUT THE TAPE USING KNIFE OR SCISSORS AND APPLY THE LOOSE END TO THE UNDERLYING SELF-AMALGAMATING TAPE USING THUMB PRESSURE.

STEP 7: TWO ROWS OF SELF-AMALGAMATING TAPE SHALL BE APPLIED IN THIS MANNER, IN ALTERNATING DIRECTIONS. THE TOP LAYER SHALL BE WRAPPED SO THAT THE ENDS ARE IN AN UPWARD DIRECTION CREATING A SHINGLED EFFECT WITH THE TAPE SO WATER WILL BE REPELLED.

STEP 8: WRAP OVER SELF-AMALGAMATING TAPE WITH TWO LAYERS OF BLACK ELECTRICAL TAPE- 2 INCH WIDTH OVERLAPPING EACH ROW BY 1/2 INCH. THESE TOP TWO LAYERS MUST ALSO BE WRAPPED USING A SHINGLED EFFECT. THE LAYERS SHALL BE WRAPPED SO THAT THE ENDS ARE IN THE UPWARD DIRECTION CREATING A SHINGLED EFFECT WITH THE TAPE SO WATER WILL BE REPELLED AND NOT ALLOWED TO COLLECT AND POOL. THESE TOP LAYERS OF ELECTRICAL TAPE MUST EXTEND TWO INCHES (THE TAPE WIDTH) PAST THE SELF-AMALGAMATING TAPE ONTO THE UNDERLYING CABLE. ALL LAYERS OF TAPE SHALL BE WRAPPED SO THAT NO VOIDS OR AIR PACKETS ARE PRESENT. THE LAST WRAP OF TAPE SHALL NOT BE PULLED OR STRETCHED. ALL TAPE SHALL BE CUT WITH A SHARP KNIFE OR SCISSORS.

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EXPIRES 3-31-2014

THIS DOCUMENT CONTAINS AN ELECTRONIC
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SHEET TITLE

GENERAL NOTES

SHEET NUMBER

N-2

BATTERY MFG.:	EAST PEKAN MANUFACTURING	A. QUANTITIES OF 500 GAL. OR LESS ARE EXEMPT PER TABLE 3-E OF THE 1997 U.S.C.
MODEL NO.:	124VR-143	B. SINGLE VESSEL CAPACITIES OF 20 GAL. OR LESS, AND AGGREGATE QUANTITIES NOT IN EXCESS OF 100 GAL. ARE EXEMPT PER ARTICLE 64 OF THE 2007 C.F.C.
ELECTROLYTE CONTENT PER BATTERY:	2.17 GALLONS	C. QUANTITIES LESS THAN 30 GAL. ARE EXEMPT FROM C.F.C. ARTICLE 80, AND SHALL NOT REQUIRE PERMIT.
ELECTROLYTE HAZARD CLASSIFICATION PER 07 C.F.C. (B) 2 % SULFURIC ACID:	CORROSIVE	D. ANY CHARGES OR ADDITIONS TO BACK-UP BATTERIES MUST COMPLY WITH 2007 C.F.C. ARTICLE 64, AND SHALL NOT CONTAIN ELECTROLYTE QUANTITIES IN EXCESS OF 50.
NO. OF BATTERIES TO BE INSTALLED:	20 MAX	
TOTAL ELECTROLYTE CONTAINED ON SITE (2.17 x 20 = 43.4):	43.4 GALLONS MAX.	



BATTERY INFORMATION

NONE	3	RF SIGNAGE
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THIS FACILITY CONTAINS
CORROSIVE LIQUID
TOXIC LIQUID
CLASS 1 WATER REACTIVE LIQUID



**HAZARDOUS
MATERIAL
STORAGE
AREA**

NONE	2
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(1) *Interpretation and effect of the provisions of the Convention shall be subject to the jurisdiction of the International Court of Justice.*



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16. *After dealing with former & continuing/olders' Commitment Agent as well as other business matters, the Board of Directors of the Company shall be dissolved.*

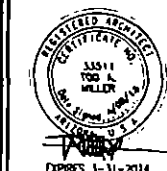


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DOWNEY, CA 91704 (714) 962-1200

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The document contains an electronic signature pursuant to 28 USC 533 and title 28 USC 533 and title 28 USC 533.

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SHEET TWO

SIGNAGE & NOTES

SHEET NUMBER

G-1

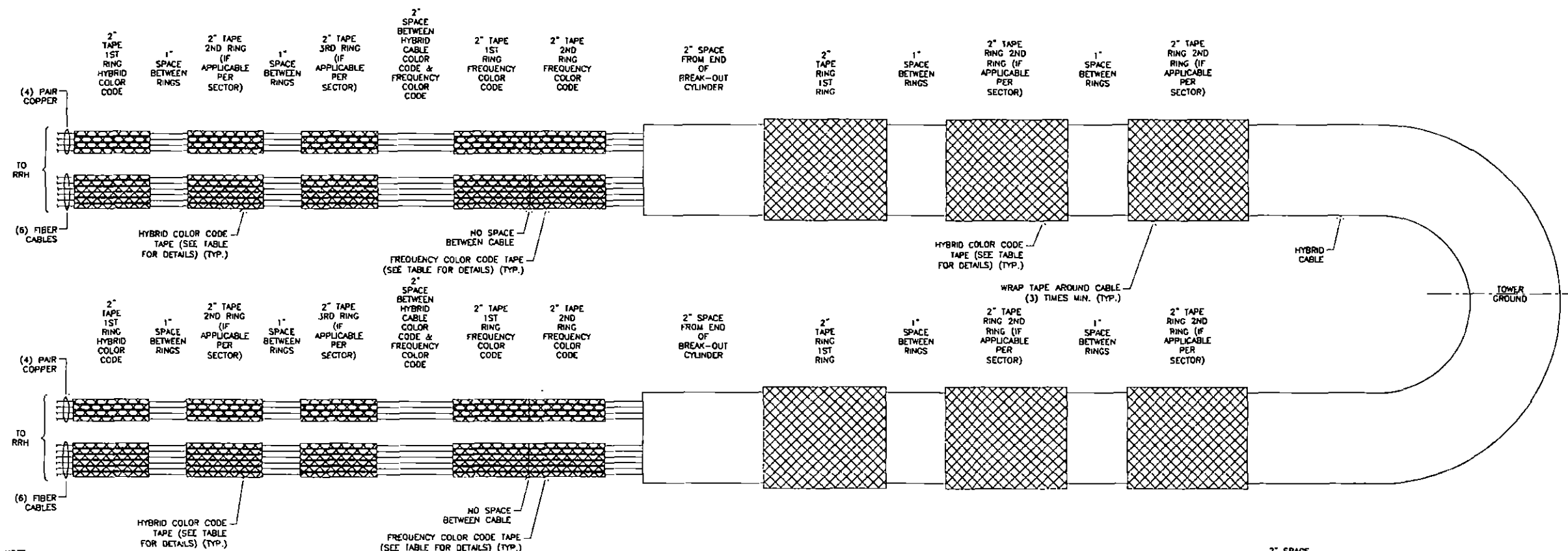
1. EXISTING ANTENNAS ARE CDMA UNLESS NOTED OTHERWISE.
2. NEW SPRINT ANTENNAS INCLUDE RESPECTIVE RRH'S WHICH SHALL BE MOUNTED ON THE PIPE BEHIND THE ANTENNA SIMILAR TO THAT SHOWN ON ANTENNA DETAIL
3. FIELD VERIFY EXISTING AZIMUTH BEFORE RELOCATING THE ANTENNA, IF REQUIRED. PRIOR APPROVAL FROM SPRINT TO BE GRANTED BEFORE RELOCATION OF ANTENNAS.
4. ALL AZIMUTHS ARE TO BE ESTABLISHED CLOCKWISE FROM THE TRUE NORTH HEADING. CONTRACTOR SHALL VERIFY NEW 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 LICENSED STRUCTURAL ENGINEER TO VERIFY TOWER IS CAPABLE OF SUPPORTING THE NEW LOADS. REFER TO STRUCTURAL ANALYSIS BY OTHERS. CONTRACTOR SHALL REFER TO TOWER STRUCTURAL CALCULATIONS FOR ADDITIONAL LOADS, NO ERECTION OF MODIFICATION OF TOWER SHALL BE MADE WITHOUT APPROVAL OF STRUCTURAL ENGINEER.

REFER TO THE OWNER PROVIDED
PLUMBING SCENARIO
DOCUMENTATION FOR COLOR
CODING NOTES, FREQUENCIES,
EXAMPLES AND CHARTS

FOR REFERENCE ONLY. REFER TO LATEST RFDS

ANTENNA SCHEDULE

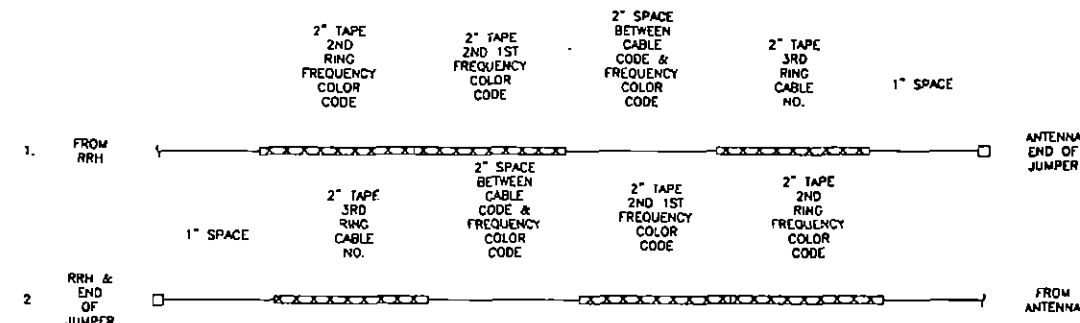
3	HYBRID & JUMPER CABLE COLOR CODING	N.T.S.	2
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NOTE

1. ALL CABLES SHALL BE MARKED AT THE TOP AND BOTTOM WITH 2" COLORED TAPE OR STENCIL. A "COLD" TAPE SHALL BE OBTAINED FROM GRAVAD ELECTRIC.
2. THE FIRST RING SHALL BE CLOSEST TO THE END OF THE CABLE AND SPACED APPROXIMATELY 2" FROM AN END CONNECTOR, WEATHERPROOFING, OR BREAK-OUT CYLINDER, WITH 1" SPACE BETWEEN EACH RING.
3. THE HYBRID CABLE COLOR SHALL BE APPLIED IN ACCORDANCE WITH THE "TYPICAL HYBRID CABLE COLOR CODE" TABLE ABOVE FOR THE RESPECTIVE SECTOR.
4. INDIVIDUAL POWER PAIRS AND FIBER CABLES SHALL BE LABELED WITH BOTH THE HYBRID CABLE COLOR FOR THE RESPECTIVE SECTOR AND A FREQUENCY COLOR CODE IN ACCORDANCE WITH THE "FREQUENCY COLOR CODE FOR PAIRS AND FIBER CABLES OF HYBRID CABLE" TABLE ABOVE.
5. A 2" GAP SHALL SEPARATE THE HYBRID CABLE COLOR CODE FROM THE FREQUENCY COLOR CODE.
6. THE 2" COLOR RINGS FOR THE FREQUENCY CODE SHALL BE PLACED NEXT TO EACH OTHER WITH NO SPACES.
7. THE 2" COLORED TAPE(S) SHALL EACH BE WRAPPED A MINIMUM OF 3 TIMES AROUND THE HYBRID CABLE OR INDIVIDUAL CABLES, AND THE TAPE SHALL BE KEPT IN THE SAME LOCATION AS MUCH AS POSSIBLE.
8. COLOR BAND ON JUMPERS SHALL BE 2" WIDE WITH A 2" SPACE.

FOR REFERENCE ONLY. REFER TO
LATEST EIG SCOPING PLAN FOR
COLOR CODING.



COLOR CODING DETAIL (CUSTOMER SUPPLIED DIAGRAM)

N.T.S.	1
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Services

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DRINKWATER
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ESTIMATED TIME TO COMPLETE: 10-15 MIN.

SHEET FILE









ANTENNA & CABLE COLOR CODING DETAILS

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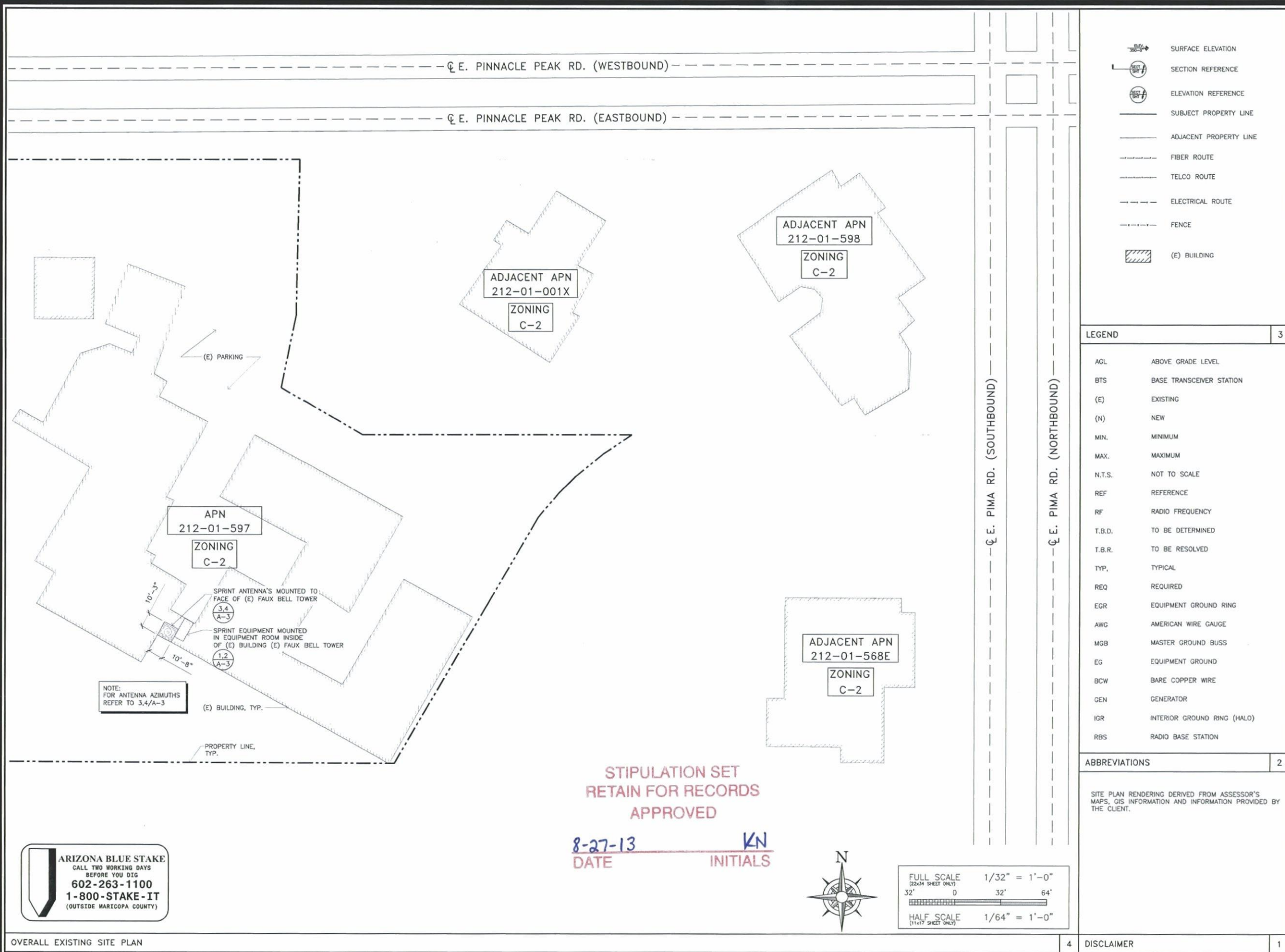
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SHEET TITLE

OVERALL EXISTING SITE PLAN

SHEET NUMBER

A-1

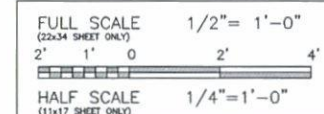


OVERALL EXISTING SITE PLAN

4	DISCLAIMER
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EXISTING ANTENNA PLAN



4	EXISTING EQUIPMENT PLAN
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INITIALS

(N) GPS ANTENNA
 (2) PER SECTOR
 (TYP. 3 SECTORS)

(N) 800/1900 MULTI-MODAL ANTENNA ON (N) PIPE MOUNT
 (1) PER SECTOR
 (TYP. 3 SECTORS)

(N) (1) 1900 RRH
 (N) (1) 800 RRH
 PER SECTOR
 MOUNTED TO (N) UNISTRUT
 ON THE INTERIOR FACE OF
 (E) FAUX BELL TOWER
 (TOTAL OF 6)

(N) ANDREWS MT-221L ANTENNA MOUNT
 (1) PER SECTOR
 (TYP. 3 SECTORS)

(E) EMPTY PIPE MOUNT (TO REMAIN)

(FUTURE)

SECTOR 1

SECTOR 2

SECTOR 3

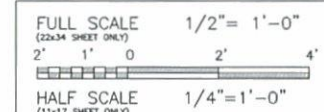
290°

30°

100°

1'-0"

FINAL ANTENNA PLAN

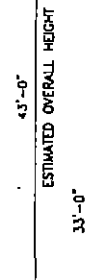


3	FINAL EQUIPMENT PLAN
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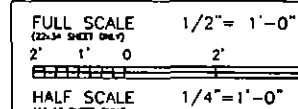
A-3

RFS HYBRIFLEX MODEL # HB114-1-GRU4-M5F

MOUNT THE (N) CABLING TIGHT AGAINST (E)
BUILDING AND PAINT TO MATCH FOR SCREENING
PURPOSES.

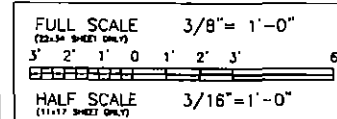


SCALE: 1/4" = 1'-0"	3
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T

REMOVE JUMPER FROM (E) ANTENNA IN POSITION #2 & SWING OVER AND RECONNECT TO (E) ANTENNA IN POSITION #1. REMOVE (E) ANTENNA IN POSITION #2 FREEING PIPE MOUNT FOR NEW MULTI-MODEL ANTENNA.



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NOTES:

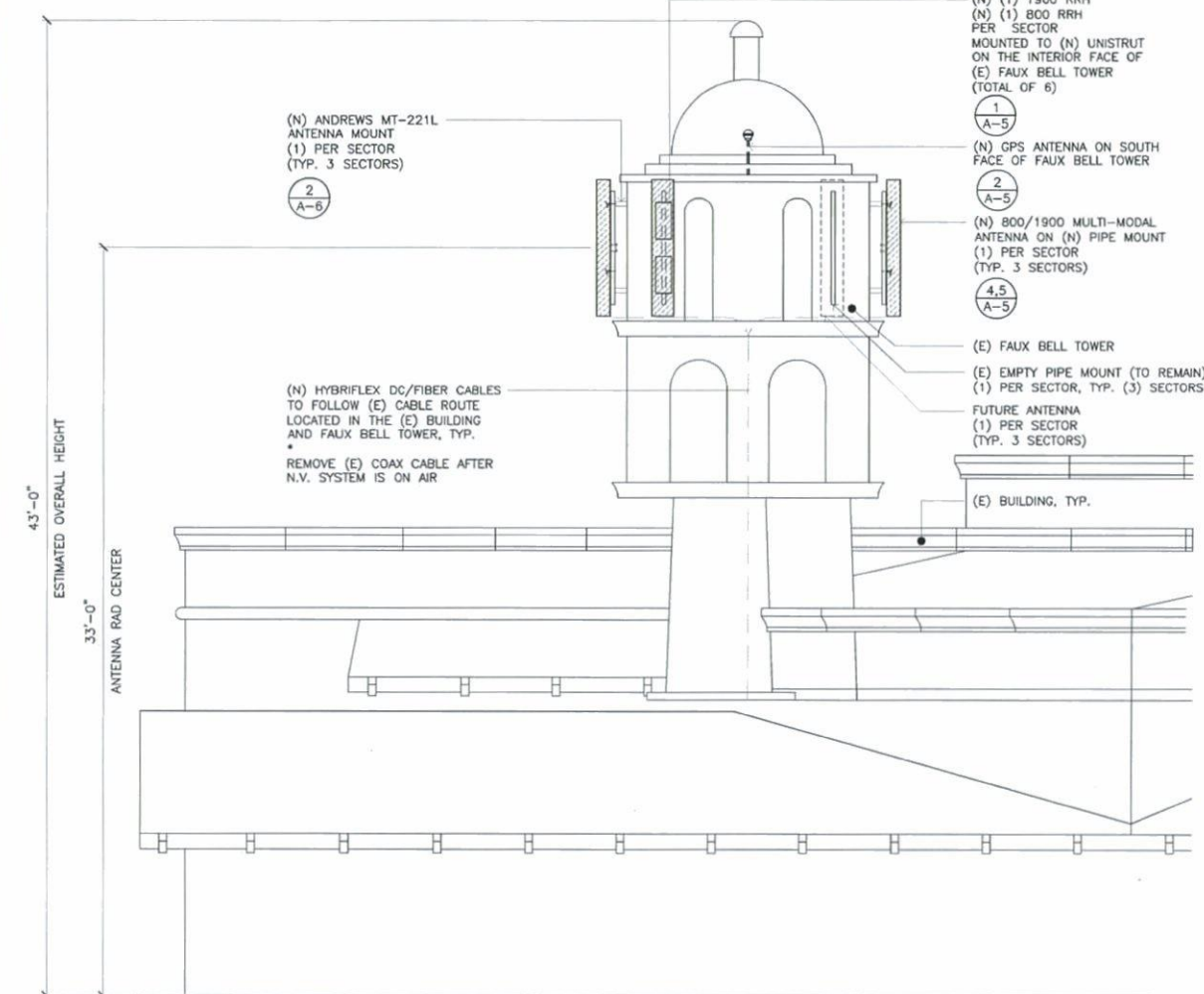
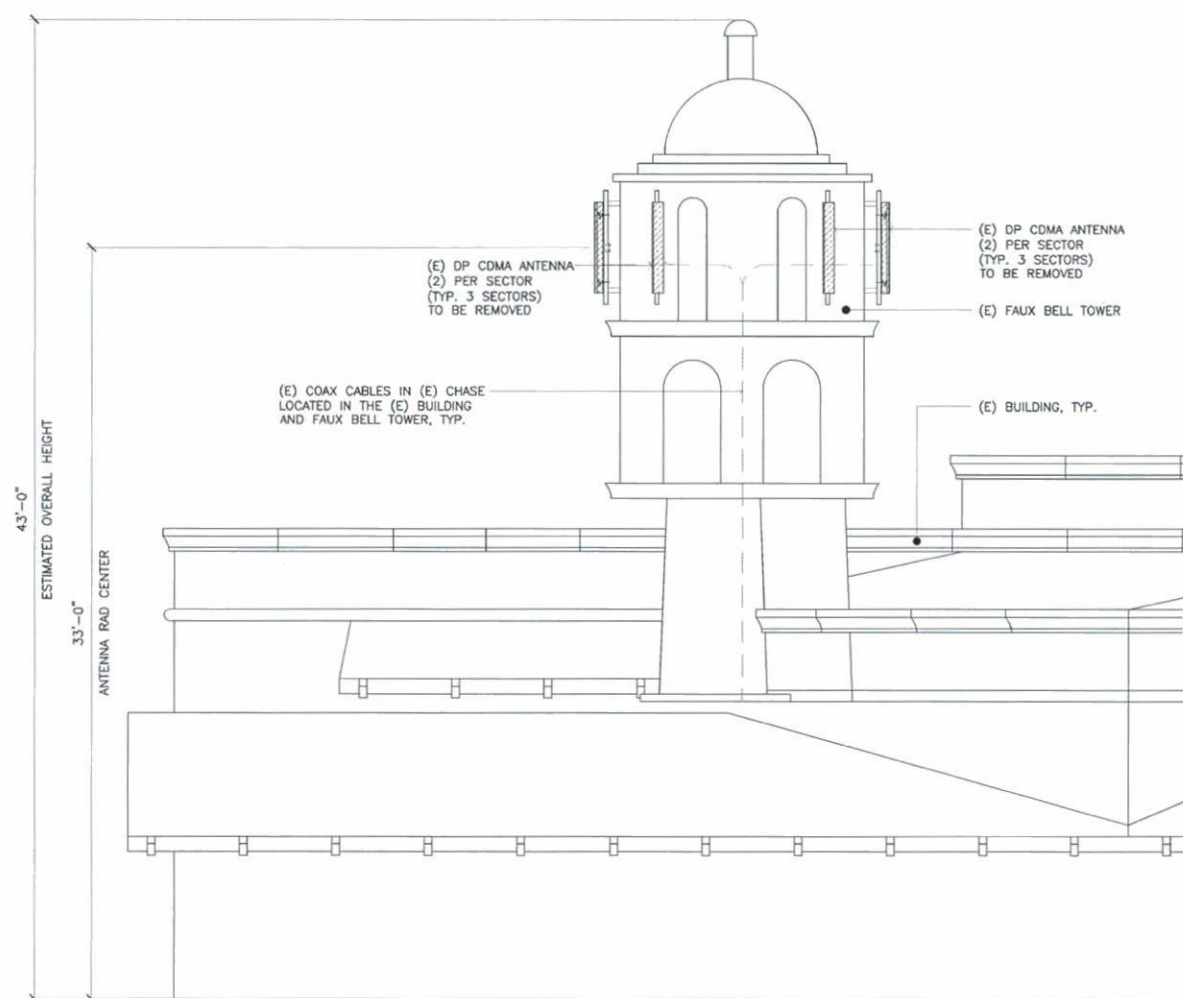
1. PROJECT OWNER RESPONSIBLE FOR PROVIDING A GLOBAL/LOCAL STRUCTURAL STABILITY ANALYSIS OF EQUIPMENT ANCHORS, SUPPORTS & DESIGN/DETAILING OF ANY STRUCTURAL MODIFICATIONS/REINFORCEMENT REQUIRED THERETO. THIS DOCUMENT MUST BE ACCOMPANIED BY A PE STAMPED/SIGNED STRUCTURAL ASSESSMENT ANALYSIS REPORT.
2. PAINT NEW EQUIPMENT TO MATCH EXISTING OR PER JURISDICTIONAL REQUIREMENTS.
DO NOT PAINT RRHs UNLESS APPROVED THRU ALU REVIEW.
3. WHEN MOUNTING RRH's AND ANTENNA TO THE SAME PIPE, ENSURE THE MOUNT PIPE IS MINIMUM 3" DIA., SCHEDULE 40. USE APPROPRIATE CROSSOVER CLAMP AS REQUIRED.
4. THE STRUCTURAL CERTIFICATION #PH03XC252, DATED JANUARY 13, 2013 BY CLEAR BLUE SERVICES ON BEHALF OF ALU IS INCLUSIVE OF THE ENTIRE ANTENNA SUPPORT STRUCTURE (i.e. T-ARMS), PLATFORMS, AND ALL OTHER ASPECTS OF THE STRUCTURE THAT WILL SUPPORT THE SPRINT NETWORK VISION EQUIPMENT DEPLOYMENT.

HYBRIFLEX NOTE:

RFS HYBRIFLEX ASSEMBLY
ANY INDOOR LOCATIONS (INCLUDING SHELTER ENTRANCE SITES)
 RFS HYBRIFLEX MODEL # HB114-1-0BU4-M5J
ALL OUTDOOR SITES
 RFS HYBRIFLEX MODEL # HB114-1-0BU4-M5F

NOTE:

MOUNT THE (N) CABLING TIGHT AGAINST (E) BUILDING AND PAINT TO MATCH FOR SCREENING PURPOSES.



STIPULATION SET
 RETAIN FOR RECORDS
 APPROVED

8-27-13
 DATE

KN
 INITIALS

EXISTING NORTH FAUX BELL TOWER ELEVATION

SCALE: 1/4" = 1'-0" 2

FINAL NORTH FAUX BELL TOWER ELEVATION

SCALE: 1/4" = 1'-0" 1

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 Services
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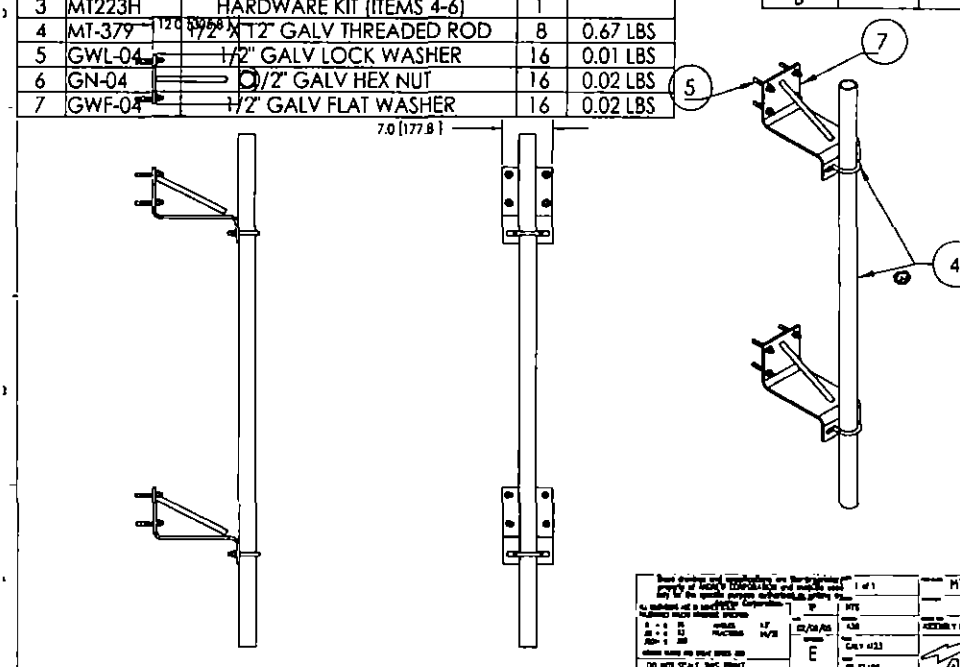
SHEET TITLE

TOWER ELEVATIONS

SHEET NUMBER

A-4

		REVISIONS	
REV.	ZONE	DESCRIPTION	BY DATE
B		REVISED & REDRAWN	JTS 04/12/01
C		REDRAWN IN SOLIDWORKS	ACG 09/06/06
D		REVISION CALL L.L.C.	HSM 07/23/08



* 5/8" S.S. THROUGH BOLT W/ S.S. FLAT AND S.S. LOCK WASHERS AND NUTS AS REQUIRED

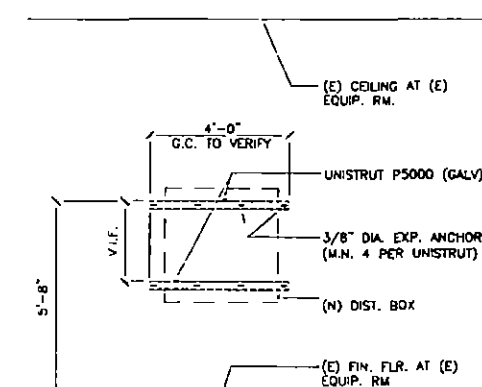
USE VALMONT P272 3" DIA. x 72" ANTENNA MOUNTING PIPE (SCHED 40)

Based on the information on this document, it is the policy of the FBI to release this document to the public unless it is determined that it contains information that is exempt from release under the provisions of the Freedom of Information Act, 5 U.S.C. 552.		1 of 1	MT-272L
1. Subject: ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED		2. Authority: 50 USC 3024	3. Date: 10/10/01
4. Reason: FOIA b 7(D)		5. Date: 10/10/01	6. By: SP-10
7. Date: 10/10/01		8. Date: 10/10/01	9. By: SP-10
10. Date: 10/10/01		11. Date: 10/10/01	12. By: SP-10
13. Date: 10/10/01		14. Date: 10/10/01	15. By: SP-10
16. Date: 10/10/01		17. Date: 10/10/01	18. By: SP-10
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22. Date: 10/10/01		23. Date: 10/10/01	24. By: SP-10
25. Date: 10/10/01		26. Date: 10/10/01	27. By: SP-10
28. Date: 10/10/01		29. Date: 10/10/01	30. By: SP-10
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496. Date: 10/10			

N.T.S.	2
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N.T.S.	1
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* 5/8" S.S. THROUGH BOLI W/ S.S. FLAT AND S.S. LOCK WASHERS AND NUTS AS REQUIRED

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THE DOCUMENT CONTAINS AN ELECTRONIC
MESSAGE DATED 10 APR 97 AT
14 11 44 IT IS A NOTIFICATION FOR
THE PERSONS UNDER THE CUSTODY OF THE
POLICE OF THE REGISTRAR, TO
NOTICE THE DOCUMENT BY THE DAY

CONSTRUCTION DETAILS

A-6

1. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH CURRENT NATIONAL ELECTRICAL CODES AND ALL LOCAL AND STATE CODES, LAWS, AND ORDINANCES. PROVIDE ALL COMPONENTS AND WIRING SIZES AS REQUIRED TO MEET NEC STANDARDS.
2. CONTRACTOR SHALL COORDINATE WITH LOCAL POWER COMPANY FOR REQUIREMENTS OF POWER SERVICE LINE TO THE METER BASE. POWER SERVICE REQUIREMENT IS COMMERCIAL AC NOMINAL 120/208 VOLT OR 120/240 VOLT, SINGLE PHASE WITH 200 AMP RATING.
3. CONTRACTOR SHALL COORDINATE WITH LOCAL TELEPHONE COMPANY FOR SERVICE LINE REQUIREMENTS TO TERMINATE AT THE PPC CABINET.
4. CONTRACTOR SHALL FURNISH AND INSTALL ELECTRIC METER BASE AND 200A DISCONNECT SWITCH PER SITE PLAN AND DETAIL DRAWINGS. THE METER BASE SHOULD BE LOCATED IN A MANNER WHERE ACCESSIBLE BY THE LOCAL POWER COMPANY.
5. LOCAL POWER COMPANY SHALL PROVIDE 200 AMP ELECTRIC METER. CONTRACTOR SHALL COORDINATE INSTALLATION OF METER WITH LOCAL POWER COMPANY.
6. WIRE SHALL BE AS FOLLOWS, #10 OR SMALLER WIRE SHALL BE 75°C RATED SOLID COPPER, WITH THIN/THIN AWG INSULATION, #8 AND LARGER WIRE SHALL BE 75°C RATED STRANDED COPPER, WITH THIN/THIN AWG INSULATION. INDOOR CONDUCTORS SHALL BE INSTALLED IN EMT UNLESS NOTED OTHERWISE. OUTDOOR CONDUCTORS SHALL BE INSTALLED IN RIGID METALLIC CONDUIT UNLESS NOTED OTHERWISE. CONDUCTORS THAT ARE IN CONDUIT OUTDOORS OR UNDERGROUND SHALL BE RATED THIN/THIN-2 OR XHHW-2 FOR FEEDER CONDUCTORS. WHERE EMT IS ALLOWED OUTDOOR IT SHALL BE UTILIZED WITH LISTED COMPRESSION FITTINGS. SET CORP FITTINGS ARE NOT ACCEPTABLE.
7. ALL TELCO CONDUIT LINES SHALL BE 4" SCH. 40 PVC CONDUIT UNLESS OTHERWISE INDICATED. THE TELCO CONDUIT FROM THE PPC SHALL BE ROUTED AND TERMINATED AT DESIGNATED TELCO DEMARCATION OR 2-FEET OUTSIDE FENCED AREA, NEAR UTILITY POLE (IN FENCED AREA), OR END CAP OFF AND PROVIDE MARKER STAKE PAINTED BRIGHT ORANGE WITH DESIGNATION FOR TELCO SERVICE.
8. CONDUITS INSTALLED AT PCS EQUIPMENT ENDS PRIOR TO THE EQUIPMENT INSTALLATION SHALL BE STUBBED AND CAPPED AT 6" ABOVE GRADE OR PLATFORM. IF SERVICE LINES CAN'T BE INSTALLED INITIALLY, PROVIDE NYLON PULL CORD IN CONDUITS.
9. THE SPRINT CABINET, INCLUDING 200 AMP LOAD PANEL AND TELCO PANEL, SHALL BE PROVIDED BY OWNER AND INSTALLED BY THE CONTRACTOR. CONTRACTOR IS TO INSTALL BREAKER(S) NOT PROVIDED BY MANUFACTURER. SEE PANEL SCHEDULE ON THIS SHEET FOR BREAKER REQUIREMENTS. NEW BREAKERS SHALL HAVE SCC RATINGS GREATER THAN AVAILABLE FAULT CURRENT AT LOAD CENTER.
10. LOCATION OF ELECTRIC METER AND SERVICE DISCONNECT SWITCH TO BE PROVIDED BY GENERAL CONTRACTOR.
11. #2 WIRE TO BE UTILIZED IN ELECTRIC SERVICE RUNS EXCEEDING 100'.
12. CONTRACTOR SHALL INSPECT THE EXISTING CONDITIONS PRIOR TO SUBMITTING BID. ANY QUESTIONS ARISING DURING THE BID PERIOD IN REGARDS TO THE CONTRACTORS FUNCTIONS, THE SCOPE OF WORK, OR ANY OTHER ISSUE RELATED TO THIS PROJECT SHALL BE BROUGHT UP DURING THE BID PERIOD WITH THE PROJECT MANAGER FOR CLARIFICATION, NOT AFTER THE CONTRACT HAS BEEN AWARDED.
13. LOCATION OF EQUIPMENT, CONDUIT AND DEVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE AND SHALL BE COORDINATED WITH FIELD CONDITIONS PRIOR TO ROUGH-IN
14. THE CONDUIT RUNS AS SHOWN ON THE PLANS ARE APPROXIMATE. EXACT LOCATION AND ROUTING SHALL BE PER EXISTING FIELD CONDITIONS.
15. PROVIDE PULL BOXES AND JUNCTION BOXES WHERE SHOWN OR REQUIRED BY NEC.

16. ALL CONDUITS SHALL BE RMC WITH BENDS MADE IN ACCORDANCE WITH NEC TABLE 346-10. NO RIGHT ANGLE DEVICE OTHER THAN STANDARD CONDUIT ELBOWS WITH 12" MINIMUM INSIDE SWEEPS FOR ALL CONDUITS 2" OR LARGER.
17. ALL CONDUIT TERMINATIONS SHALL BE PROVIDED WITH PLASTIC THROAT INSULATING GROUNDING BUSHINGS.
18. ALL WIRES SHALL BE TAGGED AT ALL PULL BOXES, J-BOXES, EQUIPMENT BOXES AND CABINETS WITH APPROVED PLASTIC TAGS, ACTION CRAFT, BRADY, OR APPROVED EQUAL.
19. ALL MATERIAL SHALL BE NEW AND HAVE A U.L. LABEL.
20. CONDUIT ROUGH-IN SHALL BE COORDINATED WITH THE MECHANICAL EQUIPMENT TO AVOID LOCATION TO CONFLICTS. VERIFY WITH MECHANICAL CONTRACTOR AND COMPLY AS REQUIRED.
21. ALL PANEL DIRECTORIES SHALL BE TYPEWRITTEN NOT HAND WRITTEN.
22. INSTALL AN EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUITS PER THE SPECIFICATIONS AND NEC. THE EQUIPMENT GROUNDING CONDUCTORS SHALL BE BONDED AT ALL JUNCTION BOXES, PULL BOXES, AND ALL DISCONNECT SWITCHES, STARTERS, AND EQUIPMENT CABINETS.
23. THE CONTRACTOR SHALL PREPARE AS-BUILT DRAWINGS. DOCUMENT ANY AND ALL WIRING AND EQUIPMENT CONDITIONS AND CHANGES WHILE COMPLETING THIS CONTRACT. SUBMIT AT SUBSTANTIAL COMPLETION.
24. ALL DISCONNECT SWITCHES AND OTHER CONTROLLING DEVICES SHALL BE PROVIDED WITH ENGRAVED PHENOLIC NAMEPLATES INDICATING EQUIPMENT CONTROLLED, BRANCH CIRCUITS INSTALLED ON, AND PANEL FIELD LOCATIONS FED FROM (NO EXCEPTIONS.) PROVIDE SAMPLE FOR CONSTRUCTION MANAGER'S APPROVAL.
25. ALL ELECTRICAL DEVICES AND INSTALLATIONS OF THE DEVICES SHALL COMPLY WITH (ADA) AMERICANS WITH DISABILITIES ACT AS ADOPTED BY THE APPLICABLE STATE.
26. PROVIDE CORE DRILLING AS NECESSARY FOR PENETRATIONS OR RISERS THROUGH BUILDING. DO NOT PENETRATE STRUCTURAL MEMBERS WITHOUT CONSTRUCTION MANAGERS APPROVAL. SLEEVES AND/OR PENETRATIONS IN FIRE RATED CONSTRUCTION SHALL BE PACKED WITH FIRE RATED MATERIAL WHICH SHALL MAINTAIN THE FIRE RATING OF THE WALL OR STRUCTURE. FILL FOR FLOOR PENETRATIONS SHALL PREVENT PASSAGE OF WATER, SMOKE, FIRE AND FUMES. ALL MATERIAL SHALL BE UL APPROVED FOR THIS PURPOSE.
27. ELECTRICAL CHARACTERISTICS OF ALL EQUIPMENT (NEW AND EXISTING) SHALL BE FIELD VERIFIED WITH THE OWNER'S REPRESENTATIVE AND EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN OF CONDUIT AND WIRE. ALL EQUIPMENT SHALL BE PROPERLY CONNECTED ACCORDING TO THE NAMEPLATE DATA FURNISHED ON THE EQUIPMENT (THE DESIGN OF THESE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AT THE TIME OF DESIGN AND SOME EQUIPMENT CHARACTERISTICS MAY VARY FROM DESIGN AS SHOWN ON THESE DRAWINGS)
28. LOCATION OF ALL OUTLET, BOXES, ETC., AND THE TYPE OF CONNECTION (PLUG OR DIRECT) SHALL BE CONFIRMED WITH THE OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.
29. BURIED METALLIC CONDUITS AND ELBOW SHALL BE WRAPPED WITH MOISTURE RESISTANT TAPE. TAPE SHALL BE 2 INCHES WIDE, 20 MIL THICK, SHALL BE 1/2 LAPPED TO ACHIEVE TWO LAYERS. EXTEND 8" BEYOND ELBOWS AND 8" ABOVE SURFACE.-

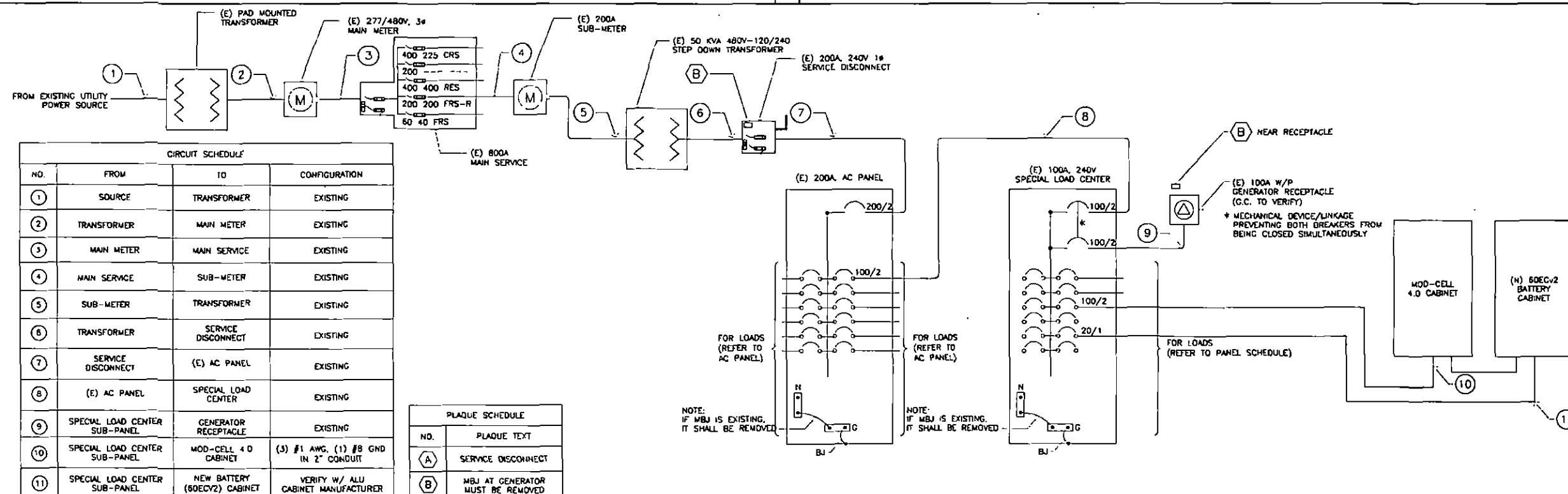
EXISTING 100A PANEL SCHEDULE

PROPOSED 100A PANEL SCHEDULE

G. C TO VERIFY NO LOAD ON BREAKERS NOT LABELED IN POSITION (2/10) IN PANEL IF NOT IN USE. DISCONNECT EQUIPMENTS. DISCONNECT WIRING FROM AC PANEL SIDE AND ON END EQUIPMENTSS SIDE AND CAP WIRING WITH WIRE NUT AND HALF LAPPED ELECTRICAL TAPE WITH FLAG AND LABELED AS SPARE. INSTALL (1) 20A SINGLE POSITION BREAKER IN POSITION (3) IN SUB PANEL FOR CONVENIENCE OUTLET.

NONE	3	ELECTRICAL PANEL SCHEDULES
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NONE	
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ELECTRICAL ONE-LINE DIAGRAM

PREPARED FOR

Sprint 

Alcatel-Lucent

Clear Blue Services

DRINKWATER
PH03XC252

8711 E. PINNACLE PEAK RD.
SCOTTSDALE, AZ 85255

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PROFESSIONAL SEA



SHEET ONE

ELECTRICAL DETAILS
& NOTES

SHEET NUMBER

E-1

NEW BATTERY (806CV2) CABINET

MOD CELL 4.0 CABINET

LOAD CENTER

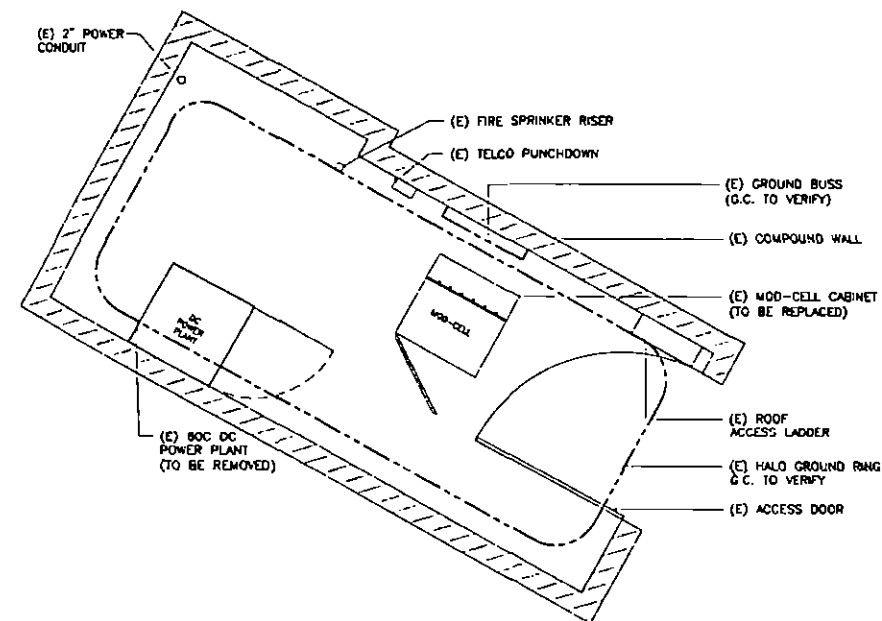
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SEE ELECTRICAL ONE LINE DIAGRAM

REFER TO HYBRID CABLE SPECS

DC CABLING WITHIN THE MANUFACTURED HYBRID CABLES

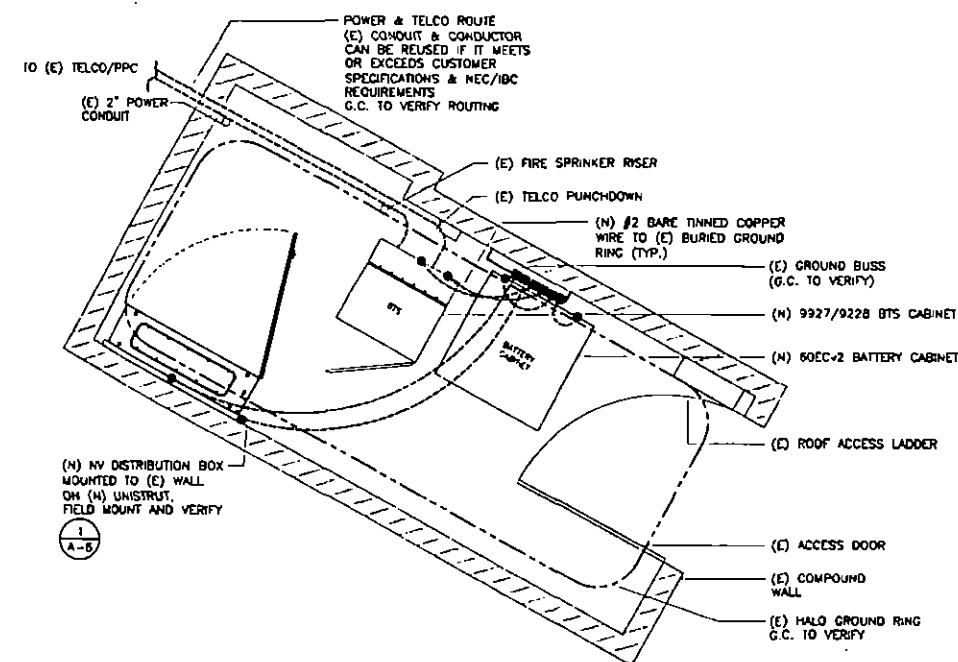
1. MINIMUM CABLE LENGTH BETWEEN THE O/U AND BATTERY IS 700MM (2.75 in)
2. MAXIMUM CABLE LENGTH DISTANCE IS 900mm (35.43 in).
WEATHER PROOFING SHALL INCORPORATE PPC
WEATHERPROOFING TAPE KIT. COLD SHRINK SHALL NOT BE
USED.
3. ROUTE DC CONDUCTORS IN CONDUITS TO PROPOSED MWBS
CABINET 48VDC POWER DISTRIBUTION PANEL TO AND FROM
NEW BATTERY (60ECV2) CABINET.
4. -48 VDC CABLES BETWEEN PROPOSED MWBS CABINET &
RRH'S ARE FACTORY ASSEMBLED AND EQUIPPED WITH ONE
PRE-TERMINATED END.
5. ALL FIELD INSTALLED OC CABLEING SHALL BE TYPE RHH/RHM
AND SHALL BE UL THERMOSET INSULATED.



FULL SCALE
(25-34 SHIRT SIZE)
2' 1' 0 2'
1/2" = 1'-0"

HALF SCALE
(11-12 SHIRT SIZE)
1/4" = 1'-0"

NONE	4	EXISTING EQUIPMENT PLAN
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FULL SCALE $1/2" = 1'-0"$
(22x34 Sheet One)
2' 1' 0 2'
HALF SCALE $1/4" = 1'-0"$
(11x12 Sheet One)

3	FINAL EQUIPMENT PLAN
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8711 E. PINNACLE PEAK RD.
SCOTTSDALE, AZ 85255

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PROFESSIONAL SEAL



THIS DOCUMENT CONTAINS AN ELLIPTICAL
SIGNATURE SUBJECT TO AFS BILL A
AND BILL A IS A LOCATION FOR
NEW VISION UNDER THE BOLD
SUPERVISION OF THE OFFICIAL TO
WORK A THIS DOCUMENT IS ALL AND

PRELIMINARY UNLESS SIGNED

SHEET TITLE

DC POWER ONE-LINE DIAGRAM & DETAILS

SHEET NUMBER

E-2

