



PLANNING SUBMITTAL FORM

Permit info: _____
 Application Date: _____ Rec'd by: _____
 FOR OFFICE USE ONLY

6015 Glenwood Street ▪ Garden City, ID 83714 ▪ 208.472.2921 (tel.)
 208.472.2926 (FAX) ▪ www.gardencityidaho.org ▪ planning@gardencityidaho.org

APPLICANT	PROPERTY OWNER
Name: Sarah Baird	Name:
Company: Crown Castle on behalf of Sprint	Company: Ulysses Asset Sub II, LLC
Address: 1505 Westlake Ave N, Suite 800	Address: 8247 W State St.
City: Seattle	City: Garden City
State: WA Zip: 98109	State: ID Zip: 83714
Tel.: 206-336-3204	Tel.:
FAX:	FAX:
E-mail: sarah.baird@crowncastle.com	E-mail:

ACTION REQUESTED (check all that apply)

ALL BLUEPRINTS MUST BE FOLDED INTO 8 1/2" X 11" SIZE WITH THE TITLE BLOCK/PANEL FACE UP SO AS TO FIT WITHIN A LEGAL SIZE FILE FOLDER

- | | | |
|--|--|--|
| <input type="checkbox"/> Appeal
<input type="checkbox"/> Lot Line Adjustment
<input type="checkbox"/> City Code Text Amendment
<input type="checkbox"/> Sign Permit
<input type="checkbox"/> Specific Area Plan
<input checked="" type="checkbox"/> Conditional (special) Use Permit
<input type="checkbox"/> Temporary Use Permit
<input type="checkbox"/> Easement/Vacation of Easement | <input type="checkbox"/> Design Review
<input type="checkbox"/> Final Plat
<input type="checkbox"/> Flood Plain Dev
<input type="checkbox"/> Variance
<input type="checkbox"/> MFH Installation
<input type="checkbox"/> Minor PUD
<input type="checkbox"/> Minor Land Division
<input type="checkbox"/> Ability to Serve-CUP, DSR or SUB if applicable | <input type="checkbox"/> Preliminary Plat
<input type="checkbox"/> Preliminary PUD
<input type="checkbox"/> Re-zone
<input type="checkbox"/> Zoning Certificate
<input type="checkbox"/> MFH Removal |
|--|--|--|

PROPERTY INFORMATION

Site address: 8247 W. State St., Garden City, ID 83714

Subdivision Name: Azalea	Lot: 11	Block: 2
Tax Parcel Number: R0719420250	Zoning: C-2	Total Acres: 0.567
Proposed Use: This is an existing wireless communications facility with no change to the use.	Floodplain: yes	no

I consent to this application and hereby certify that information contained on this application and in the accompanying materials is correct to the best of my knowledge. I will hold harmless and indemnify the City of Garden City from any and all claims and/or causes of action from or an outcome of the issuance of a permit from the City.

Sarah Baird 8/1/2019

 signature of the applicant (date)

See Letter of Authorization

 signature of the owner (date)



CONDITIONAL USE PERMIT	
Permit info: _____	
Application Date: _____	Rec'd by: _____
FOR OFFICE USE ONLY	

6015 Glenwood Street ▪ Garden City, ID 83714 ▪ 208.472.2921
 ▪ www.gardencityidaho.org ▪ planning@gardencityidaho.org

APPLICANT	PROPERTY OWNER
Name: Sarah Baird	Name:
Company: Crown Castle on behalf of Sprint	Company: Ulysses Asset Sub II, LLC
Address: 1505 Westlake Ave N, Suite 800	Address: 8247 W State St.
City: Seattle	City: Garden City
State: WA Zip: 98109	State: ID Zip: 83714
Tel.: 206-336-3204	Tel.:
E-mail: sarah.baird@crowncastle.com	E-mail:

PROPERTY AND DESIGN INFORMATION

Site Address: 8247 W. State St., Garden City, ID 83714

Subdivision Name: Azalea	Lot: 11	Block: 2
Tax Parcel Number: R0719420250	Zoning: C-2	Total Acres: 0.567
Proposed Use: This is an existing wireless communications facility with no change to the use.	Floodplain: YES	NO

Describe the proposed use:
 This is an existing wireless communications facility with no change to the use.

Check any that are applicable to this application: <i>*If any boxes are checked, attach the Design Review Application*</i>	I will build a new structure
	I will add 25% or more to the floor area of an existing building
	I will alter, replace rehabilitate or restore 25% or more of a store façade.

How is the use appropriate to the location, the lot, and the neighborhood, and is compatible with the uses permitted in the applicable zoning district?
 This is an existing wireless communications facility with no change to use.

Is the use supported by adequate public facilities or services such as water/sewer, schools, roads, parks, transit, fire protection and police protection?

Yes

How does the use affect the health, safety or welfare of the community?

This is an existing wireless communications facility with no change to use.

How does the use support the goals of the Comprehensive Plan?

This is an existing wireless communications facility with no change to use.

How far is the proposed use from a pedestrian/bicycle pathway?

This is an existing wireless communications facility with no change to use.

I consent to this application and hereby certify that information contained on this application and in the accompanying materials is correct to the best of my knowledge. I agree to be responsible for all application materials, fees and application correspondence with the City. I will hold harmless and indemnify the City of Garden City from any and all claims and/or causes of action from or an outcome of the issuance of a permit from the City.

 8/1/2019
Signature of the Applicant (date)

See Letter of Authorization
Signature of the Owner (date)

APPLICATION INFORMATION REQUIRED

NOTE:

AN ELECTRONIC COPY OF THE ENTIRE APPLICATION SUBMITTAL REQUIRED

INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED UNDER ANY CIRCUMSTANCES

ONE (1) HARD COPY OF EACH CHECKLIST ITEM REQUIRED:

- Compliance Statement and Statement of Intent
- Neighborhood Map
- Will Serve Letter
- 11"x17" Site Plan
- Irrigation/Ditch Company Authorization Letter
- Photos of Site
- Neighborhood Meeting Verification
- Affidavit of Legal Interest
- Waiver Request of Application Materials

**Additional information may be required by staff such as a traffic/parking analysis, a use analysis or documents related specifically to a business.*



PLEASE CHECK THE FOLLOWING:

INFORMATION REQUIRED ON COMPLIANCE STATEMENT AND STATEMENT OF INTENT:

- Statement explaining how the proposed use(s) is compliant with the standards of review for the proposed application. Cite the ordinances the proposed use(s) is compliant with
- Should include purpose, scope, and intent of project
- Information concerning noxious uses, noise, vibration, and any other aspects of the use or structure that may impact adjacent properties or the surrounding community

INFORMATION REQUIRED ON NEIGHBORHOOD MAP:

- 8 ½" x 11" size minimum
- Location of contiguous lots and lot(s) immediately across from any public or private street, building envelopes and/or existing buildings and structures at a scale not less than one inch equals one hundred feet (1" = 100')
- Impact of the proposed siting on existing buildings, structures, and/or building envelopes

INFORMATION REQUIRED ON SITE PLAN:

- Scale not less than 1" = 20'), legend, and north arrow.
- Property boundary, dimensions, setbacks and parcel size.
- Location of the proposed building, improvement, sign, fence or other structure, and the relationship to the platted building envelope and/or building zone
- Building envelope dimensions with the center of the envelope location established in relation to the property lines
- Adjacent public and private street right of way lines
- Total square footage of all proposed structures calculated for each floor. If the application is for an addition or alteration to an existing building or structure, then the new or altered portions shall be clearly indicated on the plans and the square footage of new or altered portion and the existing building shall be included in the calculations

- For uses classified as drive-through, the site plan shall demonstrate safe pedestrian and vehicular access and circulation on the site and between adjacent properties as required in Section 8-2C-13 of Title 8.

INFORMATION REQUIRED FOR IRRIGATION/DITCH AUTHORIZATION LETTER:

- Required if irrigation canal/irrigation ditch runs through property or along property lines

INFORMATION FOR NEIGHBORHOOD MEETING VERIFICATION:

- Copy of notice sent to property owners within 300' of an applicable property
- List of notice recipients with names and addresses
- Sign-up sheet from meeting

INFORMATION REQUIRED FOR WAIVER REQUEST OF APPLICATION MATERIALS:

- Statement must include a list of the application materials to be waived and an explanation for the request



1505 Westlake Ave N Suite 800
Seattle, WA 98109

Phone : (206) 336-3204
Fax:
www.crowncastle.com

August 7, 2019

City of Garden City
6015 Glenwood Street
Garden City, ID 83714

RE: Eligible Facilities Request to modify equipment on a communications tower located at:
8247 W State Street, Garden City, ID, 83714
Crown Site Number: 824322 / Crown Site Name: GrdnCity_Roe
Customer Site Number: SL90XCBA2 / Application Number: 429284

Crown Castle USA Inc. ("Crown Castle") on behalf of SprintCom, Inc. ("Sprint PCS") is submitting the attached Eligible Facilities Request application to modify transmission equipment on a telecommunications tower located at 8247 W State Street, Garden City, ID 83714 in CITY OF GARDEN CITY, ID (the "GrdnCity_Roe Tower") under protest in order to move this project forward.

Section 6409 of the Middle Class Tax Relief and Job Creation Act of 2012, commonly known as the "Spectrum Act" (Pub. Law No. 112-96, 126 Stat 156), mandates that state and local governments "may not deny, and shall approve, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station." Additionally, if "the reviewing State or local government determines that the application is incomplete" [they] "must provide written notice to the applicant within 30 days of receipt of the application, clearly and specifically delineating all missing documents or information." Under federal law, an Eligible Facilities Request is deemed granted with written notification in sixty (60) days after an application is filed with a local jurisdiction, excluding tolling.

Sprint PCS proposes to modify the "GrdnCity_Roe Tower" as follows:

Install (6) antennas, (6) RRH's, (3) 5' T-Arm sector mounts, (3) hybrid cables, (1) fiber cable, (12) 800 MHz jumpers, and (12) 1900 MHz jumpers on existing tower. Sprint also proposes to remove existing gate and install (3) cabinets on new 10'x10' concrete pad, (1) H-frame, (1) work light, (1) GPS antenna, ice bridge, and 200A meter and disconnect within existing compound.

Itemized list of submittal documents:

- (1) Cover Letter
- (1) Compliance Statement and Letter of Intent
- (1) Planning Submittal Form
- (1) Conditional Use Permit Application
- (2) Site Photos
- (1) Neighborhood Map
- (1) Radius Notice Request for Addresses
- (1) Ada County Assessor Parcel Map



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Seattle, WA 98109

Phone: (206) 336-3204
Fax:
www.crowncastle.com

- (1) Property Owner Address List
- (1) Property Owner Neighborhood Meeting Notice
- (1) Neighborhood Meeting Sign-In Sheet
- (1) Affidavit of Legal Interest
- (1) Construction Drawings stamped by Idaho State engineer – 11"x17" print
- (1) Check for payment

Waiver is requested for application materials, Will Serve Letter, and Irrigation/Ditch Company Authorization Letter, as no sewage treatment or potable water is needed for wireless communications facilities.

Sprint PCS is committed to working cooperatively with all jurisdictions around the country to secure expeditious approval of requests to modify existing personal wireless service facilities. If you should require more information regarding the Spectrum Act, please do not hesitate to contact me with your questions.

Sincerely,

A handwritten signature in black ink that reads 'Sarah Baird'.

Sarah Baird
Sarah.Baird@crowncastle.com
(206) 336-3204



Crown Castle
1505 Westlake Avenue North, Suite 800
Seattle, WA 98109

August 1, 2019

City of Garden City
6015 Glenwood Street
Garden City, ID 83714

RE: Compliance Statement and Statement of Intent
8247 W State Street, Garden City, ID, 83714
Crown Site Number: 824322 / Crown Site Name: GrdnCity_Roe
Customer Site Number: SL90XCBA2 / Application Number: 429284

Dear Reviewing Parties:

Sprint PCS is requesting conditional use permit approval to expand a current legal non-conforming use in the C-2 zone pursuant to Garden City Code § 8-1B-3. The existing facility was lawfully established through Conditional Use Permit 03-17-CU by Garden City on December 17, 2003. Garden City subsequently amended allowed uses in the C-2 zone that excluded Wireless Communication Facilities.

This letter is submitted as the Compliance Statement and Statement of Intent in consideration of the requirement by Garden City for a conditional use permit application.

Project: 824322 Sprint Modification / SLO2089D

Applicant: Sprint PCS
c/o Crown Castle USA, Inc.
1505 Westlake Ave N., Suite 800
Seattle, WA 98109
Phone: (206) 336-3204

Preparer for Applicant: Sarah Baird
Crown Castle USA, Inc.
1505 Westlake Ave N., Suite 800
Seattle, WA 98109
Phone: (206) 336-3204

Property Owner: Ulysses Asset Sub II, LLC
8247 W. State St.
Garden City, ID 83714

Request: Conditional Use Permit to expand an existing legal non-conforming use, pursuant to Garden City Code 8-1B-3

Location: 8247 W. State St.
Garden City, Idaho 83714

Parcel #: R0719420250

Zoning: C-2 (General Commercial)

Sprint PCS (Sprint) continues to expand and upgrade its wireless communication network to meet the public's demand for current and future technologies related to wireless services. The proposed installation includes installing antennas and ancillary equipment at the 107' level on the existing 118' monopole that currently exists. Associated ground equipment is proposed to be located within the existing fenced compound. Detailed construction drawings are included with this application.

§ 8-1B-3 NONCONFORMING USES:

A. A nonconforming use may continue as long as the use remains lawful and is not abandoned, expanded, or extended, subject to the following provisions:

1. Nonconforming uses, structures, or portions thereof that have been declared dangerous and not abated or are a chronic public nuisance as defined by Garden City code shall lose their nonconforming status for failure to act.

Response: Not applicable as none of the aforementioned has been declared nor are they reasonably applicable to the facility.

2. No existing use or structure containing a nonconforming use may be expanded in intensity or degree of use, enlarged, extended, constructed, reconstructed, moved, or structurally altered except: (a) through the approval of a conditional use permit in accord with the procedures set forth in chapter 6, article B, "Specific Provisions", of this title; or (b) where the use of the structure is changed to a conforming use.

Response: Not applicable. The applicant and parties to the applicant (applicants) do not agree with Garden City staff's interpretation that the proposed collocation constitutes an expansion in intensity or degree of use, enlargement, or extension. The existing facility is a wireless facility that includes a tower and equipment compound. As such the proposed collocation does not change, enlarge or extend that use or facility. Additionally the proposed project is an Eligible Facilities Request. In order to move the project forward this application is submitted under protest in order to satisfy subsection (a) of this section. As such the applicants have not agreed the proposal is not an Eligible Facility nor waive any rights or remedy under Federal Law including associated Order(s).

3. A nonconforming use may be extended to occupy additional land area only through the approval of a conditional use permit in accordance with the procedures set forth in chapter 6, article B, "Specific Provisions", of this title.

Response: This conditional use permit application is submitted to satisfy City staff's interpretation and position for this subsection. The preceding response is incorporated by reference as it shares applicability to our position to this subsection as well.

4. *The nonconforming use shall be deemed to be abandoned and shall not be reestablished if the use of the property is changed. Conducting activity of another use on the property, commencing utility service for another use, or approval of an application to change the use of a property shall be considered change of use.*

Response: Not applicable. There is no proposed change of use.

B. *A nonconforming use may be changed only to a conforming use.*

Response: Not applicable. There is no proposed change of use.

C. *If a nonconforming use has ceased for twelve (12) consecutive months and not declared the intent to continue the nonuse of the use or improvements designed for the use, as defined by Idaho Code section 67-6538 and approved Garden City procedures, or has been replaced with a conforming use, the nonconforming use shall be deemed abandoned and shall not be reestablished. If a nonconforming use has ceased for ten (10) consecutive years the nonconforming use shall be deemed abandoned and shall not be reestablished regardless of declaration to continue the nonuse of the use or improvements designed for the use.*

Response: Not applicable. The legal non-conforming use has not ceased.

8-2C-46: WIRELESS COMMUNICATION FACILITY:

A. *Setback:*

1. *A wireless communication facility shall not be located closer than five thousand two hundred eighty feet (5,280') (1 mile) from an existing cellular tower.*

Response: Not applicable as a wireless communication facility as defined by the City's code is not proposed. § 8-7A-2 defines a Wireless Communication Facility as (a) *steel monopole, guywire tower, lattice tower or other similar structure designed to support directional antennas, parabolic dishes or antennas, microwave dishes; in addition to associated ground equipment and other similar equipment used in the wireless communications industry.* The proposed collocation of antennas are to be attached to an **existing** legal non-conforming Wireless Communication Facility.

2. *In addition to the setbacks required for the base zoning district as set forth in section 8-2B-3, table 8-2B-2, "Form Standards In All Base Zoning Districts", of this chapter, a support tower for a wireless communication facility shall be set back one foot (1') for every ten feet (10') of the total tower height.*

Response: Not applicable as a new support tower is not proposed.

3. All equipment shelters, cabinets or other on ground ancillary structures shall meet the setback requirements of the zone.

Response: All ancillary structures including cabinets are proposed within the existing fenced compound which already complies with the required minimum 5-foot setback to all property lines in the C-2 zone.

B. Height: The maximum height, including all antenna attachments shall be one hundred feet (100') in the C-1 zone and one hundred twenty five feet (125') in the LI zone.

Response: Not applicable as the existing facility is not within a C-1 or LI zone. As previously stated the proposed installation includes installing antennas and ancillary equipment at the 107' level on the existing 118' monopole that was legally established in 2003.

Further, § 8-2B-3 (E)(2) exempts maximum height limitations as follows: *The maximum height limitations shall not apply to the following: fire and hose tower; power line tower; water tank or tower; windmill; **wireless communication facility**, or other commercial or personal tower **and/or antenna structure; or other appurtenances** usually required to be placed above the level of the ground and not intended for human occupancy (emphasis added in bold.)*

C. Collocation: No new towers shall be allowed unless there has been an analysis certified by a qualified engineer and specific to the site that collocation on an existing wireless communication facility is infeasible. Evidence to demonstrate that no existing facility can accommodate the proposed new facility may consist of any of the following:

1. No existing towers or structures are located within the geographic area required to meet the proposed facility's requirements;
2. Existing structures are not of sufficient height to meet the engineering requirements of the proposed structure;
3. Existing structures do not have sufficient structural strength to support the proposed antenna and/or equipment;
or
4. The proposed antenna would cause electromagnetic interference with the antenna on existing structures, or the antenna on the existing structure would cause similar interference with the proposed antenna.

Response: Not applicable as a new tower is not proposed.

D. Site Design:

1. Tower facilities shall be landscaped with a buffer outside the perimeter of the compound in accordance with the standards set forth in subsection 8-4I-5C of this title.

Response: No impact or change to the existing combination of existing solid wood fence and existing landscaping previously installed to satisfy this condition are proposed as all equipment is proposed to be within the existing fenced compound or attached to the tower as applicable.

2. Materials, colors, textures and screening shall be used that blend the tower facility to the natural and built environment. Supporting electrical and mechanical equipment installed on the tower shall use colors that are similar to the tower.

Response: Supporting electrical and mechanical equipment proposed for installation on the tower will match the materials, colors and textures of the existing electrical and mechanical equipment currently installed that includes colors that are similar to the tower.

3. Except as required by the federal aviation administration (FAA) or the federal communications commission (FCC), transmission structures shall not be artificially lighted. Equipment shelters may use lighting consistent with the lighting standards set forth in section 8-4A-4, "Outdoor Lighting", of this title.

Response: No new tower lighting is proposed as part of this application.

E. Site Maintenance: A wireless communication facility that is no longer in use shall be completely removed and the site restored to its preexisting condition within six (6) months of the cessation of operation.

Response: The proposed wireless communication facility will be removed within six months of the cessation of operation to the extent that any conflicting law or right that may conflict including legal remedy(s) is not waived should this unlikely event occur.

F. Other Regulations Apply: The site and structure design shall be subject to review by the design committee and the process set forth in section 8-6B-3 of this title. (Ord. 898-08, 9-8-2008; and. Ord. 944-12, 5-14-2012)

Response: This section is recognized notwithstanding pre-emptive law and ruling under the Middle Class Tax Relief and Job Creation Act of 2012, Pub. L. No. 112-96, § 6409 (2012) and subsequent FCC Infrastructure Orders.

Conclusion

Thank you in advance for your prompt review and approval of this application.

Sincerely,



Sarah Baird
Sarah.Baird@crowncastle.com
(206) 336-3204



SPRINT SITE NUMBER: SL90XCBA2
SPRINT SITE NAME: GRDNCITY_ROE
SITE TYPE: MONOPOLE
TOWER HEIGHT: 118'-0"

CROWN CASTLE BU #: 824322
SITE ADDRESS: 8247 W. STATE STREET
GARDEN CITY, ID 83714
COUNTY: ADA
JURISDICTION: CITY OF GARDEN CITY

SPRINT NEIGHBORHOOD EXPANSION / FIRST TIME INSTALL



SPRINT SITE NUMBER: SL90XCBA2
BU #: 824322
GRDNCITY_ROE
 8247 W. STATE STREET
 GARDEN CITY, ID 83714
 EXISTING 118'-0" MONOPOLE

SITE INFORMATION	
SITE NAME:	GRDNCITY_ROE
SITE ADDRESS:	8247 W. STATE STREET GARDEN CITY, ID 83714
COUNTY:	ADA
MAP/PARCEL #:	R0719420250
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	43° 40' 22.63"
LONGITUDE:	-116° 17' 21.27"
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	2,605 FT
CURRENT ZONING:	C-2
JURISDICTION:	CITY OF GARDEN CITY
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	VB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	BLYNN PROPERTIES LLC 8247 W STATE ST GARDEN CITY, ID 83714
TOWER OPERATOR:	CROWN CASTLE USA INC. 1505 WESTLAKE AVENUE NORTH, SUITE 800 SEATTLE, WA 98109
CARRIER/APPLICANT:	SPRINT 6391 SPRINT PARKWAY OVERLAND PARK, KS 66251-2650
CROWN CASTLE APPLICATION ID:	429284
ELECTRIC PROVIDER:	IDAHO POWER 800-488-6151

DRAWING INDEX	
SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
T-3	GENERAL NOTES
C-1.1	OVERALL SITE PLAN
C-1.2	EXISTING OVERALL SITE PLAN
C-1.3	FINAL ENLARGED SITE PLAN
C-2	EXISTING AND FINAL TOWER ELEVATIONS
C-3	ANTENNA AND RRU LAYOUT & MOUNTING DETAILS
C-4	EQUIPMENT CABINET DETAILS
C-5	EQUIPMENT DETAILS
C-6	EQUIPMENT DETAILS
C-7	EQUIPMENT DETAILS
C-8	EQUIPMENT DETAILS
E-1	ELECTRICAL DETAILS
G-1	GROUNDING PLANS
G-2	TOWER EQUIPMENT GROUNDING & DETAILS
G-3	GROUNDING DETAILS

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 11x17. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

LOCATION MAP

DRIVING DIRECTIONS FROM NAMPA MUNICIPAL AIRPORT:

- DEPART I-84 E BL / E 3RD ST S TOWARD 5TH AVE S
- TURN LEFT ONTO I-84 BL / 11TH AVE S
- KEEP RIGHT TO STAY ON I-84 BL / GARRITY BLVD
- TURN RIGHT ONTO US-20 / US-26 / W CHINDEN BLVD
- TURN LEFT ONTO ID-55 / S EAGLE RD
- TURN RIGHT ONTO ID-44 / ID-55
- KEEP STRAIGHT ONTO ID-44 / E STATE ST
- ARRIVE AT SITE

PROJECT TEAM

A&E FIRM:
 POD GROUP
 11490 BLUEGRASS PARKWAY
 LOUISVILLE, KY 40299
 (502) 437-5252

CROWN CASTLE CONTACTS:
 1505 WESTLAKE AVENUE NORTH, SUITE 800
 SEATTLE, WA 98109
 AARON HOTTELL - PROJECT MANAGER
 (206) 336-3225 AARON.HOTTELL@CROWNCastle.COM
 JOSHUA SAATHOFF - CONSTRUCTION MANAGER
 (720) 450-3010 JOSHUA.SAATHOFF@CROWNCastle.COM
 NATASHA MONTALVO - A&E SPECIALIST
 (206) 336-2886 NATASHA.MONTALVO.CONTRACTOR@CROWNCastle.COM
 SARAH BAIRD - REAL ESTATE SPECIALIST - ZONING & PERMITTING
 (206) 336-3204 SARAH.BAIRD@CROWNCastle.COM

SPRINT CONTACT:
 PM: CHRISTINE LANDEN (949) 382-8811
 CM: SEAN NAGEOTTE (253) 344-9809
 SAQ: ERIC SIME (253) 344-8680

PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO ENHANCE BROADBAND CONNECTIVITY AND CAPACITY TO THE EXISTING ELIGIBLE WIRELESS FACILITY.

TOWER SCOPE OF WORK

- INSTALL (6) ANTENNAS
- INSTALL (6) RRHs
- INSTALL (3) 5' T-ARM RMV-XXX SECTOR MOUNTS
- INSTALL (3) 1-9/16" HYBRID CABLES
- INSTALL (1) FIBER CABLE
- INSTALL (12) 800MHz JUMPERS (4 PER SECTOR)
- INSTALL (12) 1900MHz JUMPERS (4 PER SECTOR)

GROUND SCOPE OF WORK

- REMOVE EXISTING GATE
- INSTALL (1) E-CAB, (1)B-CAB &(1)I-CAB
- INSTALL (1) H-FRAME W/ PPC & TELCO
- INSTALL 10'x10' CONCRETE PAD
- INSTALL (1) WORK LIGHT
- INSTALL ICE BRIDGE
- INSTALL (1) GPS ANTENNA
- INSTALL 200A METER AND DISCONNECT

DESIGN PACKAGE BASED ON THE APPLICATION ID: 429284
 REVISION: 3

NOTE:
 PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN NOC AT (800) 788-7011 & CROWN CONSTRUCTION MANAGER

APPLICABLE CODES/REFERENCE DOCUMENTS

ALL WORK SHALL BE PERFORMED AND MATERIALS 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 CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

CODE TYPE	CODE	REFERENCE DOCUMENTS:
BUILDING	2015 IBC AND AMMENDMENTS	STRUCTURAL ANALYSIS: BY P-SEC
MECHANICAL	2012 IMC AND AMMENDMENTS	APRIL 10, 2018
ELECTRICAL	2017 NEC	MOUNT ANALYSIS: BY OTHERS

LEGAL DESCRIPTION:
 LOT 11 BLK 2 AZALEA SUBDIVISION

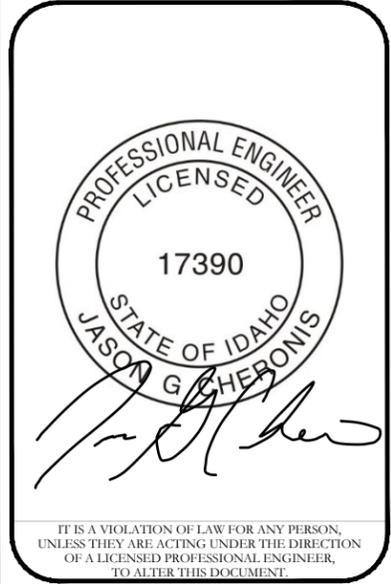
STRUCTURAL ANALYSIS IS CONDITIONALLY PASSING. NO WORK SHALL BE STARTED UNTIL CONDITIONS IN THE ABOVE MENTIONED DOCUMENT ARE MET

INSTALLER NOTE:
 REFERENCE LATEST SPRINT CONSTRUCTION STANDARDS

CALL IDAHO ONE CALL (800) 342-1585
 CALL 3 WORKING DAYS BEFORE YOU DIG!

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	3.30.18	CDL	PRELIMINARY	JGC
B	4.30.18	EEW	PRELIMINARY	JGC
C	5.16.18	EEW	PRELIMINARY	JGC
0	5.24.18	EEW	CONSTRUCTION	JGC



SHEET NUMBER: T-1 **REVISION: 0**

CROWN CASTLE SITE WORK GENERAL NOTES:

1. THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
2. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES, SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION.
3. ALL SITE WORK TO COMPLY WITH QAS-STD-10068 "INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE TOWER SITE" AND LATEST VERSION OF TIA 1019 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."
4. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS.
5. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
6. 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 CONTRACTOR, OWNER AND/OR LOCAL UTILITIES.
7. THE SUBCONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE.
8. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS.
9. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
10. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
11. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE PROJECT SPECIFICATIONS.
12. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
13. NOTICE TO PROCEED- NO WORK TO COMMENCE PRIOR TO COMPANY'S WRITTEN NOTICE TO PROCEED AND THE ISSUANCE OF A PURCHASE ORDER.
14. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/TIA 1019 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSI/TIA-1019 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.

SPRINT CONSTRUCTION NOTES

SECTION 01 100 - SCOPE OF WORK

THE WORK:

MUST COMPLY WITH ALL APPLICABLE ADOPTED CODES AND STANDARDS, AND PORTIONS THEREOF. SPRINT METHOD OF PROCEDURE (MOP) AND SPRINT STANDARDS AT THE TIME OF CONSTRUCTION START.

PRECEDENCE:

SHOULD CONFLICTS OCCUR BETWEEN THE STANDARD CONSTRUCTION SPECIFICATIONS FOR WIRELESS SITES INCLUDING THE STANDARD DETAILS FOR WIRELESS SITES AND THE CONSTRUCTION DRAWINGS, INFORMATION ON THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE. ALONG WITH SPRINT CONSTRUCTION MANAGER APPROVAL.

SITE FAMILIARITY:

CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS PRIOR TO PROCEEDING WITH CONSTRUCTION.

ON-SITE SUPERVISION:

THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

DRAWINGS, SPECIFICATIONS AND DETAILS REQUIRED AT JOBSITE:

THE CONSTRUCTION CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS AT THE JOBSITE FROM MOBILIZATION THROUGH CONSTRUCTION COMPLETION.

A. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. PROVIDE ALL MATERIALS AND LABOR AS REQUIRED TO PROVIDE A COMPLETE FUNCTIONING SYSTEM. MODIFICATIONS MAY BE REQUIRED TO SUITE JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.

B. CONTRACTOR SHALL NOTIFY SPRINT CONSTRUCTION MANAGER OF ANY VARIATIONS PRIOR TO PROCEEDING WITH THE WORK. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS NOTED OTHERWISE. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.

C. MARK THE FIELD SET OF DRAWINGS IN RED, DOCUMENTING ANY CHANGES FROM THE CONSTRUCTION DOCUMENTS.

METHODS OF PROCEDURE (MOPS) FOR CONSTRUCTION:

CONTRACTOR SHALL PERFORM WORK AS DESCRIBED IN THE FOLLOWING INSTALLATION AND COMMISSIONING MOPS. CONTRACTOR IS RESPONSIBLE FOR DISTRIBUTION OF LATEST MOPS.

- A. TOP HAT
- B. HOW TO INSTALL A NEW CABINET
- C. BASE BAND UNIT IN EXISTING UNIT
- D. INSTALLATION OF BATTERIES
- E. INSTALLATION OF FIBER CABLE
- F. INSTALLATION OF RRU'S
- G. CABLING
- H. TS-0200 REV 5 - ANTENNA LINE ACCEPTANCE STANDARDS
- I. SPRINT CELL SITE ENGINEERING NOTICE - EN 2012-001, REV 1.
- J. COMMISSIONING MOPS

SECTION 01 200 - COMPANY FURNISHED MATERIAL AND EQUIPMENT

- A. COMPANY FURNISHED MATERIAL AND EQUIPMENT IS IDENTIFIED ON THE RF DATA SHEET IN THE CONSTRUCTION DRAWINGS.
- B. CONTRACTOR IS RESPONSIBLE FOR SPRINT PROVIDED MATERIAL AND EQUIPMENT TO ENSURE IT IS PROTECTED AND HANDLED PROPERLY THROUGHOUT THE CONSTRUCTION DURATION.
- C. CONTRACTOR IS RESPONSIBLE FOR RECEIPT OF SPRINT FURNISHED EQUIPMENT AT CELL SITE OR CONTRACTORS LOCATION. CONTRACTOR TO COMPLETE SHIPPING AND RECEIPT DOCUMENTATION

IN ACCORDANCE WITH COMPANY PRACTICE. CONTRACTOR MAY BE REQUIRED TO PICK UP MATERIAL AT LOCATION PRESCRIBED BY SPRINT.

SECTION 01 300 - CELL SITE CONSTRUCTION

NOTICE TO PROCEED:

NO WORK SHALL COMMENCE PRIOR TO COMPANY'S WRITTEN NOTICE TO PROCEED AND THE ISSUANCE OF WORK ORDER.

SITE CLEANLINESS:

CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK, CONTRACTOR SHALL REMOVE FROM THE SITE ALL REMAINING RUBBISH, IMPLEMENTS, TEMPORARY FACILITIES, AND SURPLUS MATERIALS.

SECTION 01 400 - SUBMITTALS AND TESTS

ALTERNATIVES:

AT THE COMPANY'S REQUEST, ANY ALTERNATIVES TO THE MATERIALS OR METHODS SPECIFIED SHALL BE SUBMITTED TO SPRINT'S CONSTRUCTION MANAGER FOR APPROVAL. SPRINT WILL REVIEW AND APPROVE ONLY THOSE REQUESTS MADE IN WRITING. NO VERBAL APPROVALS WILL BE CONSIDERED.

TESTS AND INSPECTIONS:

A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION TESTS, INSPECTIONS AND PROJECT DOCUMENTATION.

B. CONTRACTOR SHALL ACCOMPLISH TESTING INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

1. COAX SWEEPS AND FIBER TESTS PER TS-200 REV 5 ANTENNA LINE ACCEPTANCE STANDARDS.
2. AGL, AZIMUTH AND DOWNTILT: PROVIDE AN AUTOMATED REPORT UPLOADED TO SITERA USING A COMMERCIAL MADE-FOR PURPOSE ELECTRONIC ANTENNA ALIGNMENT TOOL (AAT). INSTALLED AZIMUTH, CENTERLINE AND DOWNTILT MUST CONFORM WITH RF CONFIGURATION DATA.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CORRECTIONS TO ANY WORK IDENTIFIED AS UNACCEPTABLE IN SITE INSPECTION ACTIVITIES AND/OR AS A RESULT OF TESTING.
4. ALL TESTING REQUIRED BY APPLICABLE INSTALLATION MOPS.

C. REQUIRED CLOSEOUT DOCUMENTATION INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:

1. AZIMUTH, DOWNTILT, AGL FROM SUNSIGHT INSTRUMENTS - ANTENNA ALIGNMENT TOOL (AAT)
2. SWEEP AND FIBER TESTS.
3. SCANABLE BARCODE PHOTOGRAPHS OF TOWER TOP AND INACCESSIBLE SERIALIZED EQUIPMENT.
4. ALL AVAILABLE JURISDICTIONAL PERMIT AND OCCUPANCY INFORMATION.
5. PDF SCAN OF REDLINES PRODUCED IN FIELD.
6. A PDF SCAN OF REDLINE MARK-UPS SUITABLE FOR USE IN ELECTRONIC AS-BUILT DRAWING PRODUCTION.
7. LIEN WAIVERS.
8. FINAL PAYMENT APPLICATION.
9. REQUIRED FINAL CONSTRUCTION PHOTOS.
10. CONSTRUCTION AND COMMISSIONING CHECKLIST COMPLETE WITH NO DEFICIENT ITEMS.
11. APPLICABLE POST NTP TASKS INCLUDING DOCUMENT UPLOADS COMPLETED IN SITERA (SPRINT'S DOCUMENT REPOSITORY OF RECORD).
12. CLOSEOUT PHOTOGRAPHS AND CLOSEOUT CHECKLIST: SPRINT WILL PROVIDE SEPARATE GUIDANCE.

g. PROVIDE PHOTOGRAPHS OF FINAL PROJECT PER THE FOLLOWING LIST. ADDITIONAL PHOTOS MAY BE REQUIRED TO SUPPORT ACCEPTANCE PROCESSES

- (i) BACK MAIN FIBER CABLE ROUTE (MINIMUM TWO PHOTOS)
 - (ii) OF EACH ANTENNA AND RRU
 - (iii) MANUFACTURERS NAME TAG FOR ALL SERIALIZED EQUIPMENT
 - (iv) PULL AND DISTRIBUTION BOXES INTERMEDIATE BETWEEN RRU'S AND RBS (DOOR OPEN)
 - (v) RBS CABINET WITH DOOR OPEN SHOWING MODIFICATIONS
 - (vi) POWER CABINET, DOORS OPEN, BATTERIES INSTALLED
 - (vii) BREAK OUT CYLINDERS
 - (viii) ASR SIGNAGE FOR SPRINT OWNED TOWERS
 - (ix) RADIATION EXPOSURE WARNING SIGNS
 - (x) PHOTOGRAPH FROM EACH SECTOR FROM APPROXIMATELY RAD CENTER OF ANY NEW ANTENNA AT HORIZON.
- b. LOAD PHOTOS TO SITERA PROJECT LIBRARY 15. IN 15 CREATE NEW CATEGORY: 2.5 DEPLOYMENT, AND SECTION: PERMANENT CONSTRUCTION. LABEL PHOTOS WITH SITE CASCADE AND VIEW BEING DEPICTED. CAMERAS USED TO TAKE PHOTOS SHALL BE GPS ENABLED SUCH THAT THE GPS COORDINATES ARE INCLUDED IN THE PHOTO MEDIA-FILE INFORMATION.

COMMISSIONING:

PERFORM ALL COMMISSIONING AS REQUIRED BY APPLICABLE MOPS

INTEGRATION:

PERFORM ALL INTEGRATION ACTIVITIES AS REQUIRED BY APPLICABLE MOPS

SECTION 09 900 - PAINTING

QUALITY ASSURANCE:

- A. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- B. COMPLY WITH ALL ENVIRONMENTAL REGULATIONS FOR VOLATILE ORGANIC COMPOUNDS.

MATERIALS:

A. MANUFACTURERS: BENJAMIN MOORE, ICI DEVOE COATINGS, PPG, SHERWIN WILLIAMS OR APPROVED PROVIDE PREMIUM GRADE, PROFESSIONAL-QUALITY PRODUCTS FOR COATING SYSTEMS.

PAINT SCHEDULE:

A. EXTERIOR ANTENNAE AND ANTENNA MOUNTING HARDWARE: ONE COAT OF PRIMER AND TWO FINISH COATS. PAINT FOR ANTENNAE SHALL BE NON-METALLIC BASED AND CONTAIN NO METALLIC PARTICLES. PROVIDE COLORS AND PATTERNS AS REQUIRED TO MASK APPEARANCE OF ANTENNAE ON ADJACENT BUILDING SURFACES AND AS ACCEPTABLE TO THE OWNER. REFER TO ANTENNA MANUFACTURER'S INSTRUCTION WHENEVER POSSIBLE.

B. WATER TANKS: TOUCH UP - PREPARE SURFACES TO BE REPAIRED. FOLLOW INDUSTRY STANDARDS AND REQUIREMENTS OF OWNER TO MATCH EXISTING COATING AND FINISH.

PAINTING APPLICATION:

1. INSPECT SURFACES, REPORT UNSATISFACTORY CONDITIONS IN WRITING; BEGINNING WORK MEANS ACCEPTANCE OF SUBSTRATE.
2. COMPLY WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS FOR PREPARATION, PRIMING AND COATING WORK. COORDINATE WITH WORK OF OTHER SECTIONS.
3. MATCH APPROVED MOCK-UPS FOR COLOR, TEXTURE, AND PATTERN. RE-COAT OR REMOVE AND REPLACE WORK WHICH DOES NOT MATCH OR SHOWS LOSS OF ADHESION.
4. CLEAN UP, TOUCH UP AND PROTECT WORK.

TOUCHUP PAINTING:

1. GALVANIZING DAMAGE AND ALL BOLTS AND NUTS SHALL BE TOUCHED UP AFTER TOWER ERECTION WITH "GALVANOX," "DRY GALV," OR "ZINC-IT."
2. FIELD TOUCHUP PAINT SHALL BE DONE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
3. ALL METAL COMPONENTS SHALL BE HANDLED WITH CARE TO PREVENT DAMAGE TO THE COMPONENTS, THEIR PRESERVATIVE TREATMENT, OR THEIR PROTECTIVE COATINGS.

SECTION 11 700 - ANTENNA ASSEMBLY, REMOTE RADIO UNITS AND CABLE INSTALLATION

SUMMARY:

THIS SECTION SPECIFIES INSTALLATION OF ANTENNAS, RRU'S, AND CABLE EQUIPMENT, INSTALLATION, AND TESTING OF COAXIAL FIBER CABLE.

ANTENNAS AND RRU'S:

THE NUMBER AND TYPE OF ANTENNAS AND RRU'S TO BE INSTALLED IS DETAILED ON THE CONSTRUCTION DRAWINGS.

NV FIBER CABLE:

EXISTING NV FIBER CABLE WILL BE USED AT EACH SITE. CABLE SHALL BE USED PER THE CONSTRUCTION DRAWINGS AND THE APPLICABLE MANUFACTURER'S REQUIREMENTS.

JUMPERS AND CONNECTIONS:

FURNISH AND INSTALL 1/2" COAX JUMPER CABLES BETWEEN THE RRU'S AND ANTENNAS. JUMPERS SHALL BE TYPE LDF 4, FLC 12-50, CR 540, OR FXL 540. SUPER-FLEX CABLES ARE NOT ACCEPTABLE JUMPERS BETWEEN THE RRU'S AND ANTENNAS OR TOWER TOP AMPLIFIERS SHALL CONSIST OF 1/2" FOAM DIELECTRIC, OUTDOOR RATED COAXIAL CABLE. MINIMUM LENGTH FOR JUMPER SHALL BE SO AS TO ALLOW FOR THE PROPER BEND RADIUS PER MANUFACTURER OR SPRINT SPECIFICATIONS.

REMOTE ELECTRICAL TILT (RET) CABLES:

MISCELLANEOUS:

INSTALL SPLITTERS, COMBINERS, FILTERS PER RF DATA SHEET, FURNISHED BY SPRINT.

ANTENNA INSTALLATION:

THE CONTRACTOR SHALL ASSEMBLE ALL ANTENNAS ONSITE IN ACCORDANCE WITH THE INSTRUCTIONS SUPPLIED BY THE MANUFACTURER. ANTENNA HEIGHT, AZIMUTH AND FEED ORIENTATION INFORMATION SHALL BE AS DESIGNATED ON THE CONSTRUCTION DRAWINGS.

A. THE CONTRACTOR SHALL POSITION THE ANTENNA ON TOWER PIPE MOUNTS SO THAT THE BOTTOM STRUT IS LEVEL. THE PIPE MOUNTS SHALL BE PLUMB TO WITHIN 1 DEGREE.

B. ANTENNA MOUNTING REQUIREMENTS: PROVIDE ANTENNA MOUNTING HARDWARE AS INDICATED ON THE CONSTRUCTION DRAWINGS.

FIBER CABLE INSTALLATION:

A. THE CONTRACTOR SHALL ROUTE, TEST AND INSTALL ALL CABLES AS INDICATED ON THE CONSTRUCTION DRAWINGS AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

B. THE INSTALLED RADIUS OF THE CABLES SHALL NOT BE LESS THAT THE MANUFACTURER'S SPECIFICATIONS FOR BENDING RADII.

C. EXTREME CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE CABLES DURING HANDLING AND INSTALLATION.

1. FASTENING MAIN FIBER CABLES:

a. LATTICE AND GUYED TOWERS:

ALL CABLES SHALL BE PERMANENTLY FASTENED TO THE COAX LADDER AT 4'-0" OC USING NON-MAGNETIC STAINLESS STEEL CLIPS. HOISTING GRIPS SHOULD BE INSTALLED AT MID-POINT IF CABLE RUN EXCEEDS 200' AS WELL AS TOP SIDE.

a. MONOPOLE:

ALL CABLES SHALL BE PERMANENTLY SUPPORTED WITH HOISTING GRIPS AT INTERVALS OF NO MORE THAN 200' (ONE HOISTING GRIP PER COAX).

1. FASTENING INDIVIDUAL FIBER AND DC CABLES ABOVE BREAKOUT ENCLOSURE (MEDUSA). WITHIN THE MMBS CABINET AND ANY INTERMEDIATE DISTRIBUTION BOXES.

a. FIBER: SUPPORT FIBER BUNDLES USING 1/2" VELCRO STRAPS OF THE REQUIRED LENGTH AT 18" O.C. STRAPS SHALL BE UV, OIL AND WATER RESISTANT AND SUITABLE FOR INDUSTRIAL INSTALLATIONS AS MANUFACTURED BY TEXTOL OR APPROVED EQUAL.

b. DC: SUPPORT DC BUNDLES WITH ZIP TIES OF THE ADEQUATE LENGTH. ZIP TIES TO BE UV STABILIZED, BLACK NYLON, WITH TENSILE STRENGTH AT 12,000 PSI AS MANUFACTURED BY NELCO PRODUCTS OR EQUAL.

2. FASTENING OR SECURING JUMPERS SHOULD CONSIST OF STAINLESS STEEL CLIPS, 18" FROM REAR OF CONNECTOR AND 24" THEREAFTER AND AT NO TIME SHALL THEY CONTACT TOWER OR STRUCTURAL STEEL.

3. CABLE INSTALLATION:

a. INSPECT CABLE PRIOR TO USE FOR SHIPPING DAMAGE. NOTIFY THE CONSTRUCTION MANAGER.

b. CABLE ROUTING CABLE INSTALLATION SHALL BE PLANNED TO ENSURE THAT THE LINES WILL BE PROPERLY ROUTED IN THE CABLE ENVELOPE AS INDICATED ON THE DRAWINGS. AVOID TWISTING AND CROSSOVERS.

c. HOIST CABLE USING PROPER HOISTING GRIPS. DO NOT EXCEED MANUFACTURER'S RECOMMENDED MAXIMUM BEND RADIUS.

5. GROUNDING OF TRANSMISSION LINES: ALL TRANSMISSION LINES SHALL BE GROUNDED AS INDICATED ON DRAWINGS.

6. HYBRID CABLE COLOR CODING: ALL COLOR CODING SHALL BE AS REQUIRED IN TS 0200 REV 5.

7. HYBRID CABLE LABELING: INDIVIDUAL HYBRID AND DC BUNDLES SHALL BE LABELED ALPHA-NUMERICALLY A ACCORDING TO SPRINT CELL SITE ENGINEERING NOTICE - EN 2012-001, REV 1.



SPRINT SITE NUMBER:
SL90XCBA2

BU #: 824322
GRDNCITY_ROE

8247 W. STATE STREET
GARDEN CITY, ID 83714

EXISTING 118'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	3.30.18	CDL	PRELIMINARY	JGC
B	4.30.18	EEW	PRELIMINARY	JGC
C	5.16.18	EEW	PRELIMINARY	JGC
0	5.24.18	EEW	CONSTRUCTION	JGC



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET NUMBER: **T-2** REVISION: **0**

WEATHERPROOFING EXTERIOR CONNECTORS AND HYBRID CABLE GROUND KITS:

- A. ALL FIBER AND COAX CONNECTORS AND GROUND KITS SHALL BE WEATHERPROOFED.
- B. WEATHERPROOFED USING ONE OF THE FOLLOWING METHODS. ALL INSTALLATIONS MUST BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND INDUSTRY BEST PRACTICES.

- 1. SELF-AMALGAMATING TAPE: CLEAN SURFACES. APPLY A DOUBLE WRAP OF SELF AMALGAMATING TAPE 2" BEYOND CONNECTOR. APPLY A SECOND WRAP OF SELF-AMALGAMATING TAPE IN OPPOSITE DIRECTION. APPLY DOUBLE WRAP OF 2" WIDE ELECTRICAL TAPE EXTENDING 2" BEYOND THE SELF AMALGAMATING TAPE.
- 2. 3M SLIM LOCK CLOSURE 716: SUBSTITUTIONS WILL NOT BE ALLOWED.
- 3. JMA-WPS SERIES ENCLOSURE.
- 4. BUTYL AND TAPE, 1 COMPLETE WRAP OF 3/4" PRE-TAPE, BUTYL WRAPPED IN HALF INCH LAP LAYERS, ENDED WITH SHINGLED DOWNWARD 3 WRAPS OF 2" TAPE, 3 WRAPS OF 3/4" TAPE SHINGLED DOWNWARD, FREE OF WRINKLES, BUCKLES AND FLAGGING.
- 5. OPEN FLAME ON JOB SITE IS NOT ACCEPTABLE

- C. ANTENNA MOUNTING REQUIREMENTS: PROVIDE ANTENNA MOUNTING HARDWARE AS INDICATED ON THE CONSTRUCTION DRAWINGS.

FIBER CABLE INSTALLATION:

- A. THE CONTRACTOR SHALL ROUTE, TEST AND INSTALL ALL CABLES AS INDICATED ON THE CONSTRUCTION DRAWINGS AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

- B. THE INSTALLED RADIUS OF THE CABLES SHALL NOT BE LESS THAT THE MANUFACTURER'S SPECIFICATIONS FOR BENDING RADI.

- C. EXTREME CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE CABLES DURING HANDLING AND INSTALLATION.

- 1. FASTENING MAIN FIBER CABLES:

a. LATTICE AND GUYED TOWERS:

ALL CABLES SHALL BE PERMANENTLY FASTENED TO THE COAX LADDER AT 4'-0" OC USING NON-MAGNETIC STAINLESS STEEL CLIPS. HOISTING GRIPS SHOULD BE INSTALLED AT MID-POINT IF CABLE RUN EXCEEDS 200' AS WELL AS TOP SIDE.

b. MONOPOLE:

ALL CABLES SHALL BE PERMANENTLY SUPPORTED WITH HOISTING GRIPS AT INTERVALS OF NO MORE THAN 200' (ONE HOISTING GRIP PER COAX).

- 2. FASTENING INDIVIDUAL FIBER AND DC CABLES ABOVE BREAKOUT ENCLOSURE (MEDUSA). WITHIN THE MMBS CABINET AND ANY INTERMEDIATE DISTRIBUTION BOXES.

a. FIBER: SUPPORT FIBER BUNDLES USING 1/2" VELCRO STRAPS OF THE REQUIRED LENGTH AT 18" O.C. STRAPS SHALL BE UV, OIL AND WATER RESISTANT AND SUITABLE FOR INDUSTRIAL INSTALLATIONS AS MANUFACTURED BY TEXTOL OR APPROVED EQUAL.

b. DC: SUPPORT DC BUNDLES WITH ZIP TIES OF THE ADEQUATE LENGTH. ZIP TIES TO BE UV STABILIZED, BLACK NYLON, WITH TENSILE STRENGTH AT 12,000 PSI AS MANUFACTURED BY NELCO PRODUCTS OR EQUAL.

- 3. FASTENING OR SECURING JUMPERS SHOULD CONSIST OF STAINLESS STEEL CLIPS, 18" FROM REAR OF CONNECTOR AND 24" THEREAFTER AND AT NO TIME SHALL THEY CONTACT TOWER OR STRUCTURAL STEEL.

- 4. CABLE INSTALLATION:

- a. INSPECT CABLE PRIOR TO USE FOR SHIPPING DAMAGE. NOTIFY THE CONSTRUCTION MANAGER.

b. CABLE ROUTING CABLE INSTALLATION SHALL BE PLANNED TO ENSURE THAT THE LINES WILL BE PROPERLY ROUTED IN THE CABLE ENVELOPE AS INDICATED ON THE DRAWINGS. AVOID TWISTING AND CROSSOVERS.

c. HOIST CABLE USING PROPER HOISTING GRIPS. DO NOT EXCEED MANUFACTURER'S RECOMMENDED MAXIMUM BEND RADIUS.

- 5. GROUNDING OF TRANSMISSION LINES: ALL TRANSMISSION LINES SHALL BE GROUNDED AS INDICATED ON DRAWINGS.

- 6. HYBRID CABLE COLOR CODING: ALL COLOR CODING SHALL BE AS REQUIRED IN TS 0200 REV 5.

- 7. HYBRID CABLE LABELING: INDIVIDUAL HYBRID AND DC BUNDLES SHALL BE LABELED ALPHA-NUMERICALLY ACCORDING TO SPRINT CELL SITE ENGINEERING NOTICE - EN 2012-001, REV 1.

WEATHERPROOFING EXTERIOR CONNECTORS AND HYBRID CABLE GROUND KITS:

- A. ALL FIBER AND COAX CONNECTORS AND GROUND KITS SHALL BE WEATHERPROOFED.
- B. WEATHERPROOFED USING ONE OF THE FOLLOWING METHODS. ALL INSTALLATIONS MUST BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND INDUSTRY BEST PRACTICES.

- 1. SELF-AMALGAMATING TAPE: CLEAN SURFACES. APPLY A DOUBLE WRAP OF SELF AMALGAMATING TAPE 2" BEYOND CONNECTOR. APPLY A SECOND WRAP OF SELF-AMALGAMATING TAPE IN OPPOSITE DIRECTION. APPLY DOUBLE WRAP OF 2" WIDE ELECTRICAL TAPE EXTENDING 2" BEYOND THE SELF AMALGAMATING TAPE.
- 2. 3M SLIM LOCK CLOSURE 716: SUBSTITUTIONS WILL NOT BE ALLOWED.
- 3. JMA-WPS SERIES ENCLOSURE.
- 4. BUTYL AND TAPE, 1 COMPLETE WRAP OF 3/4" PRE-TAPE, BUTYL WRAPPED IN HALF INCH LAP LAYERS, ENDED WITH SHINGLED DOWNWARD 3 WRAPS OF 2" TAPE, 3 WRAPS OF 3/4" TAPE SHINGLED DOWNWARD, FREE OF WRINKLES, BUCKLES AND FLAGGING.
- 5. OPEN FLAME ON JOB SITE IS NOT ACCEPTABLE

SECTION 11 800 - INSTALLATION OF MULTIMODAL BASE STATIONS (MMBS) AND RELATED EQUIPMENT

SUMMARY:

A. THIS SECTION SPECIFIES MMBS CABINETS, POWER CABINETS, AND INTERNAL EQUIPMENT INCLUDING BUT NOT LIMITED TO RECTIFIERS, POWER DISTRIBUTION UNITS, BASE BAND UNITS, SURGE ARRESTORS, BATTERIES, AND SIMILAR EQUIPMENT FURNISHED BY THE COMPANY FOR INSTALLATION BY THE CONTRACTOR (OFC).

B. CONTRACTOR SHALL PROVIDE AND INSTALL ALL MISCELLANEOUS MATERIALS AND PROVIDE ALL LABOR REQUIRED FOR INSTALLATION EQUIPMENT IN EXISTING CABINET OR NEW CABINET AS SHOWN ON DRAWINGS AND AS REQUIRED

BY THE APPLICABLE INSTALLATION MOPS.

- C. COMPLY WITH MANUFACTURER'S INSTALLATION AND START-UP REQUIREMENTS.

DC CIRCUIT BREAKER LABELING:

- A. LABEL CIRCUIT BREAKERS ACCORDING TO SPRINT CELL SITE ENGINEERING NOTICE - EN 2012-001, REV 1. SECTION 26 100 - BASIC ELECTRICAL REQUIREMENTS

SUMMARY:

THIS SECTION SPECIFIES BASIC ELECTRICAL REQUIREMENTS FOR SYSTEMS AND COMPONENTS.

QUALITY ASSURANCE:

A. ALL EQUIPMENT FURNISHED UNDER DIVISION 26 SHALL CARRY UL LABELS AND LISTINGS WHERE SUCH LABELS AND LISTING ARE AVAILABLE IN THE INDUSTRY.

B. MANUFACTURERS OF EQUIPMENT SHALL HAVE A MINIMUM OF THREE YEARS EXPERIENCE WITH THEIR EQUIPMENT INSTALLED AND OPERATING IN THE FIELD IN A USE SIMILAR TO THE NEW USE FOR THIS PROJECT.

C. MATERIALS AND EQUIPMENT: ALL MATERIALS AND EQUIPMENT SPECIFIED IN DIVISION 26 OF THE SAME TYPE SHALL BE OF THE SAME MANUFACTURER AND SHALL BE NEW, OF THE BEST QUALITY AND DESIGN, AND FREE FROM DEFECTS.

SUPPORTING DEVICES:

A. MANUFACTURED STRUCTURAL SUPPORT MATERIALS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS. PROVIDE PRODUCTS BY THE FOLLOWING:

- 1. ALLIED TUBE AND CONDUIT.
- 2. B-LINE SYSTEM.
- 3. UNISTRUT DIVERSIFIED PRODUCTS.
- 4. THOMAS & BETTS

B. FASTENERS: TYPES, MATERIALS AND CONSTRUCTION FEATURES AS FOLLOWS:

- 1. EXPANSION ANCHORS: CARBON STEEL WEDGE OR SLEEVE TYPE.
- 2. POWER-DRIVEN THREADED STUDS: HEAT-TREATED STEEL. DESIGNED SPECIFICALLY FOR THE INTENDED SERVICE.
- 3. FASTEN BY MEANS OF WOOD SCREWS IN WOOD.
- 4. TOGGLE BOLTS ON HOLLOW MASONRY UNITS.
- 5. CONCRETE INSERTS OR EXPANSION BOLTS ON CONCRETE OR SOLID MASONRY.
- 6. MACHINE SCREWS, WELDED THREADED STUDS, OR SPRING-TENSION CLAMPS ON STEEL.
- 7. EXPLOSIVE DEVICES FOR ATTACHING HANGERS TO STRUCTURE SHALL NOT BE PERMITTED.
- 8. DO NOT WELD CONDUIT, PIPE STRAPS, OR ITEMS OTHER THAN THREADED STUDS TO STEEL STRUCTURES.
- 9. IN PARTITIONS OF LIGHT STEEL CONSTRUCTION, USE SHEET METAL SCREWS.

SUPPORTING DEVICES:

A. INSTALL SUPPORTING DEVICES TO FASTEN ELECTRICAL COMPONENTS SECURELY AND PERMANENTLY IN ACCORDANCE WITH NEC.

B. COORDINATE WITH THE BUILDING STRUCTURAL SYSTEM AND WITH OTHER TRADES.

C. UNLESS OTHERWISE INDICATED ON THE DRAWINGS, FASTEN ELECTRICAL ITEMS AND THEIR SUPPORTING HARDWARE SECURELY TO THE STRUCTURE IN ACCORDANCE WITH THE FOLLOWING:

- 1. ENSURE THAT THE LOAD APPLIED BY ANY FASTENER DOES NOT EXCEED 25 PERCENT OF THE PROOF TEST LOAD.
- 2. USE VIBRATION AND SHOCK-RESISTANT FASTNERS FOR ATTACHMENTS TO CONCRETE SLABS.

ELECTRICAL IDENTIFICATION:

A. UPDATE AND PROVIDE TYPED CIRCUIT BREAKER SCHEDULES IN THE MOUNTING BRACKET, INSIDE DOORS OF AC PANEL BOARDS WITH ANY CHANGES MADE TO THE AC SYSTEM.

B. BRANCH CIRCUITS FEEDING AVIATION OBSTRUCTION LIGHTING EQUIPMENT SHALL BE CLEARLY IDENTIFIED AS SUCH AT THE BRANCH CIRCUIT PANELBOARD.

SECTION 26 200 - ELECTRICAL MATERIALS AND EQUIPMENT

CONDUIT:

A. RIGID GALVANIZED STEEL (RGS) CONDUIT SHALL BE USED FOR EXTERIOR LOCATIONS ABOVE GROUND AND IN UNFINISHED INTERIOR LOCATIONS AND FOR UNDERGROUND RUNS. RIGID CONDUIT AND FITTINGS SHALL BE STEEL, COATED WITH ZINC EXTERIOR AND INTERIOR BY THE HOT DIP GALVANIZING PROCESS. CONDUIT SHALL BE PRODUCED TO ANSI SPECIFICATIONS C80.1, FEDERAL SPECIFICATION WW-C-581 AND SHALL BE LISTED WITH THE UNDERWRITERS' LABORATORIES. FITTINGS SHALL BE THREADED - SET SCREW OR COMPRESSION FITTINGS WILL NOT BE ACCEPTABLE. RGS CONDUITS SHALL BE MANUFACTURED BY ALLIED, REPUBLIC OR WHEATLAND.

B. UNDERGROUND CONDUIT IN CONCRETE SHALL BE POLYVINYLCHLORIDE (PVC) SUITABLE FOR DIRECT BURIAL AS APPLICABLE. JOINTS SHALL BE BELLED, AND FLUSH SOLVENT WELDED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. CONDUIT SHALL BE CARLON ELECTRICAL PRODUCTS OR APPROVED EQUAL.

C. TRANSITIONS BETWEEN PVC AND RIGID (RGS) SHALL BE MADE WITH PVC COATED METALLIC LONG SWEEP RADIUS ELBOWS.

D. ALL UNDERGROUND CONDUIT OR CONDUIT IN CONCRETE SHOULD BE PVC. EMT OR RIGID GALVANIZED STEEL CONDUIT MAY BE USED IN FINISHED SPACES CONCEALED IN WALLS AND CEILINGS. EMT SHALL BE MILD STEEL, ELECTRICALLY WELDED, ELECTRO-GALVANIZED OR HOT-DIPPED GALVANIZED AND PRODUCED TO ANSI SPECIFICATIONS C80.3, FEDERAL SPECIFICATION WW-C-563, AND SHALL BE UL LISTED. EMT SHALL BE MANUFACTURED BY ALLIED, REPUBLIC OR WHEATLAND, OR APPROVED EQUAL. FITTINGS SHALL BE METALLIC COMPRESSION. SET SCREW CONNECTIONS SHALL NOT BE ACCEPTABLE.

E. LIQUID TIGHT FLEXIBLE METALLIC CONDUIT SHALL BE USED FOR FINAL CONNECTION TO EQUIPMENT FITTINGS SHALL BE METALLIC GLAND TYPE COMPRESSION FITTINGS, MAINTAINING THE INTEGRITY OF CONDUIT SYSTEM. SET SCREW CONNECTIONS SHALL NOT BE ACCEPTABLE. MAXIMUM LENGTH OF FLEXIBLE CONDUIT SHALL NOT EXCEED 6- FEET. LPMC SHALL BE PROTECTED AND SUPPORTED AS REQUIRED BY NEC. MANUFACTURERS OF FLEXIBLE CONDUITS SHALL BE CAROL, ANACONDA METAL HOSE OR UNIVERSAL METAL HOSE, OR APPROVED EQUAL.

F. MINIMUM SIZE CONDUIT SHALL BE 3/4 INCH (21MM).

HUBS AND BOXES:

A. AT ENTRANCES TO CABINETS OR OTHER EQUIPMENT NOT HAVING INTEGRAL THREADED HUBS PROVIDE METALLIC THREADED HUBS OF THE SIZE AND CONFIGURATION REQUIRED HUB SHALL INCLUDE LOCK NUT AND NEOPRENE O-RING SEAL. PROVIDE IMPACT RESISTANT 105 DEGREE C PLASTIC BUSHINGS TO PROTECT CABLE INSULATION

- B. CABLE TERMINATION FITTINGS FOR CONDUIT

- 1. CABLE TERMINATORS FOR RGS CONDUITS SHALL BE TYPE CRC BY O-Z/GEDNEY OR EQUAL BY ROXTEC.

- 2. CABLE TERMINATORS FOR LPMC SHALL BE ETCO - CL2075, OR MADE FOR THE PURPOSE PRODUCTS BY ROXTEC.

C. EXTERIOR PULL BOXES AND PULL BOXES IN INTERIOR INDUSTRIAL AREAS SHALL BE PLATED CAST ALLOY, HEAVY DUTY, WEATHERPROOF, DUST PROOF, WITH GASKET, PLATED IRON ALLOY COVER AND STAINLESS STEEL COVER SCREWS, CROUSE-HINDS WAB SERIES OR EQUAL.

D. CONDUIT OUTLET BODIES SHALL BE PLATED CAST ALLOY WITH SIMILAR GASKET COVERS. OUTLET BODIES SHALL BE OF THE CONFIGURATION AND SIZE SUITABLE FOR THE APPLICATION, PROVIDE CROUSE-HINDS FORM 8 OR EQUAL.

E. MANUFACTURER FOR BOXES AND COVERS SHALL BE HOFFMAN, SQUARE "D", CROUSE-HINDS, COOPER, ADALET, APPLETON, O-Z GEDNEY, RACO, OR APPROVED EQUAL.

SUPPLEMENTAL GROUNDING SYSTEM:

A. FURNISH AND INSTALL A SUPPLEMENTAL GROUNDING SYSTEM TO THE EXTENT INDICATED ON THE DRAWINGS. SUPPORT SYSTEM WITH NON-MAGNETIC STAINLESS STEEL CLIPS WITH RUBBER GROMMET. GROUNDING CONNECTORS SHALL BE TINNED COPPER WIRE, SIZES AS INDICATED ON THE DRAWINGS. PROVIDE STRANDED OR SOLID BARE OR INSULATED CONDUCTORS EXCEPT AS OTHERWISE NOTED.

B. SUPPLEMENTAL GROUNDING SYSTEM: ALL CONNECTIONS TO BE MADE WITH CAD WELDS, EXCEPT AT EQUIPMENT USE LUGS OR OTHER AVAILABLE GROUNDING MEANS AS REQUIRED BY MANUFACTURER; AT GROUND BARS USE TWO-HOLE SPADES WITH NO-OX.

C. STOLEN GROUND-BARS: IN THE EVENT OF STOLEN GROUND BARS, CONTACT SPRINT CONSTRUCTION MANAGER FOR REPLACEMENT INSTRUCTION USING THREADED ROD KITS.

EXISTING STRUCTURE:

A. EXISTING EXPOSED WIRING AND ALL EXPOSED OUTLETS, RECEPTACLES, SWITCHES, DEVICES, BOXES, AND OTHER EQUIPMENT THAT ARE NOT TO BE UTILIZED IN THE COMPLETED PROJECT SHALL BE REMOVED OR DE-ENERGIZED AND CAPPED IN THE WALL, CEILING, OR FLOOR SO THAT THEY ARE CONCEALED AND SAFE. WALL, CEILING, OR FLOOR SHALL BE PATCHED TO MATCH THE ADJACENT CONSTRUCTION.

CONDUIT AND CONDUCTOR INSTALLATION:

A. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON-PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER, PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.

B. CONDUCTORS SHALL BE PULLED IN ACCORDANCE WITH ACCEPTED GOOD PRACTICE.

ADDITIONAL REQUIRED NOTES:

- GC IS RESPONSIBLE FOR HIRING ALL 3RD PARTY SPECIAL INSPECTIONS AS REQUIRED PER MUNICIPALITY
- GC IS RESPONSIBLE FOR VERIFYING ALL FIELD MEASUREMENTS PRIOR TO STARTING CONSTRUCTION
- DO NOT OPEN RRU PACKAGES IN THE RAIN
- NO OPEN FLAME ON SITE
- GC TO ENSURE HYBRIDS ARE SUPPORTED EVERY 3'-0" ON HORIZONTAL AND 4'-0" ON VERTICAL RUNS



6391 SPRINT PARKWAY
OVERLAND, KS 66251-2650



1505 WESTLAKE AVENUE NORTH, SUITE 800
SEATTLE, WA 98109



11490 BLUEGRASS PKWY
LOUISVILLE, KY 40299
502-437-5252

SPRINT SITE NUMBER:
SL90XCBA2

BU #: 824322
GRDNCITY_ROE

8247 W. STATE STREET
GARDEN CITY, ID 83714

EXISTING 118'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	3.30.18	CDL	PRELIMINARY	JGC
B	4.30.18	EEW	PRELIMINARY	JGC
C	5.16.18	EEW	PRELIMINARY	JGC
0	5.24.18	EEW	CONSTRUCTION	JGC



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SHEET NUMBER:

T-3

REVISION:

0



1 OVERALL SITE PLAN
 SCALE: 1"=30'-0" (FULL SIZE)
 1"=60'-0" (11x17)



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CROWN CASTLE
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 SEATTLE, WA 98109

POD
 POWER OF DESIGN
 11490 BLUEGRASS PKWY
 LOUISVILLE, KY 40299
 502-437-5252

SPRINT SITE NUMBER:
SL90XCBA2

BU #: 824322
GRDNCITY_ROE

8247 W. STATE STREET
 GARDEN CITY, ID 83714

EXISTING 118'-0" MONOPOLE

ISSUED FOR:

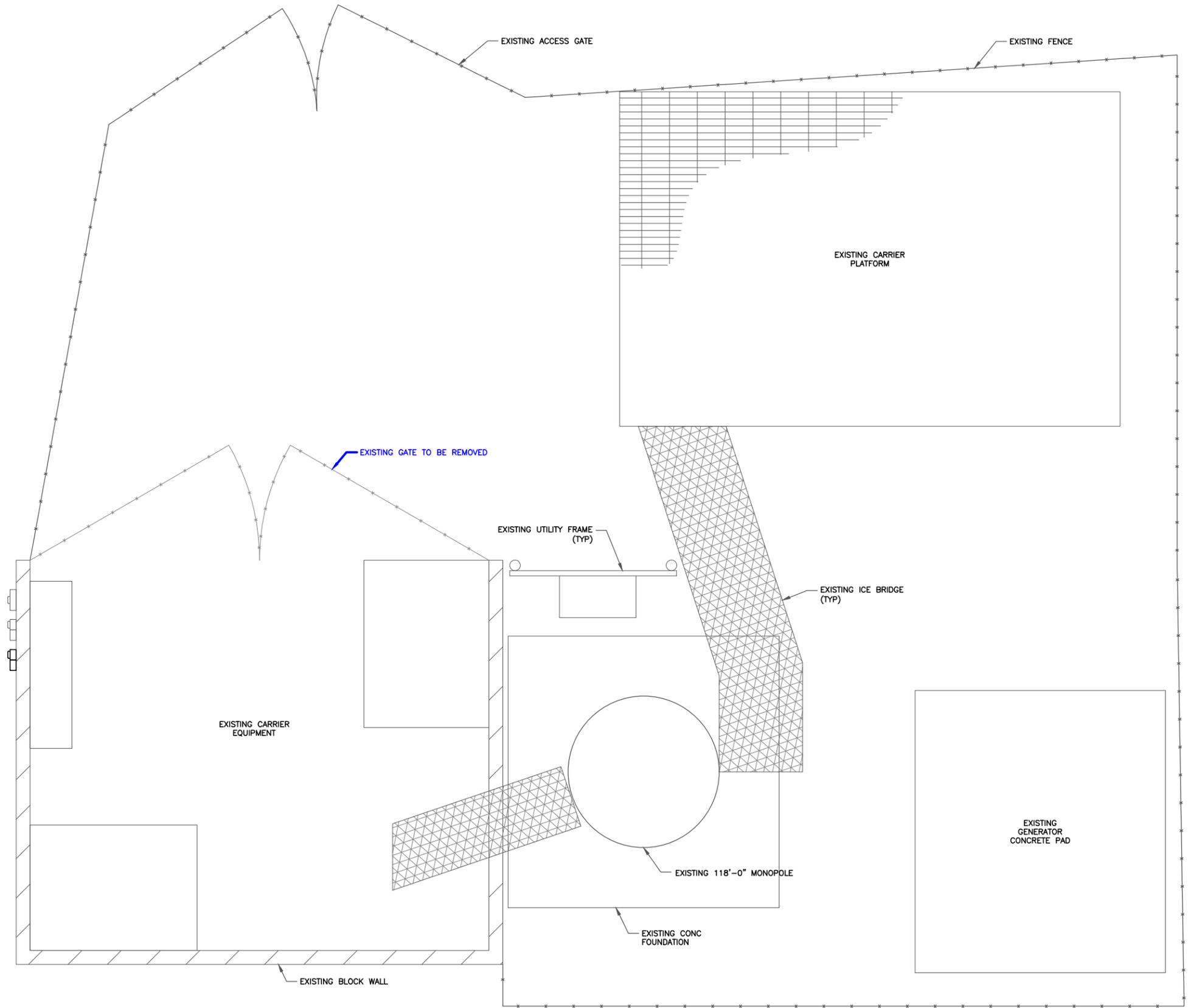
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A	3.30.18	CDL	PRELIMINARY	JGC
B	4.30.18	EEW	PRELIMINARY	JGC
C	5.16.18	EEW	PRELIMINARY	JGC
0	5.24.18	EEW	CONSTRUCTION	JGC

PROFESSIONAL ENGINEER
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 17390
 STATE OF IDAHO
 JASON G. ZHERONIS

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SHEET NUMBER: **C-1.1** REVISION: **0**

NOTE: ANTENNAS REMOVED FOR CLARITY



1 EXISTING ENLARGED SITE PLAN
 SCALE: 3/4"=1'-0" (FULL SIZE)
 3/8"=1'-0" (11x17)

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SPRINT SITE NUMBER:
SL90XCBA2

BU #: **824322**
GRDNCITY_ROE

8247 W. STATE STREET
 GARDEN CITY, ID 83714

EXISTING 118'-0" MONOPOLE

ISSUED FOR:

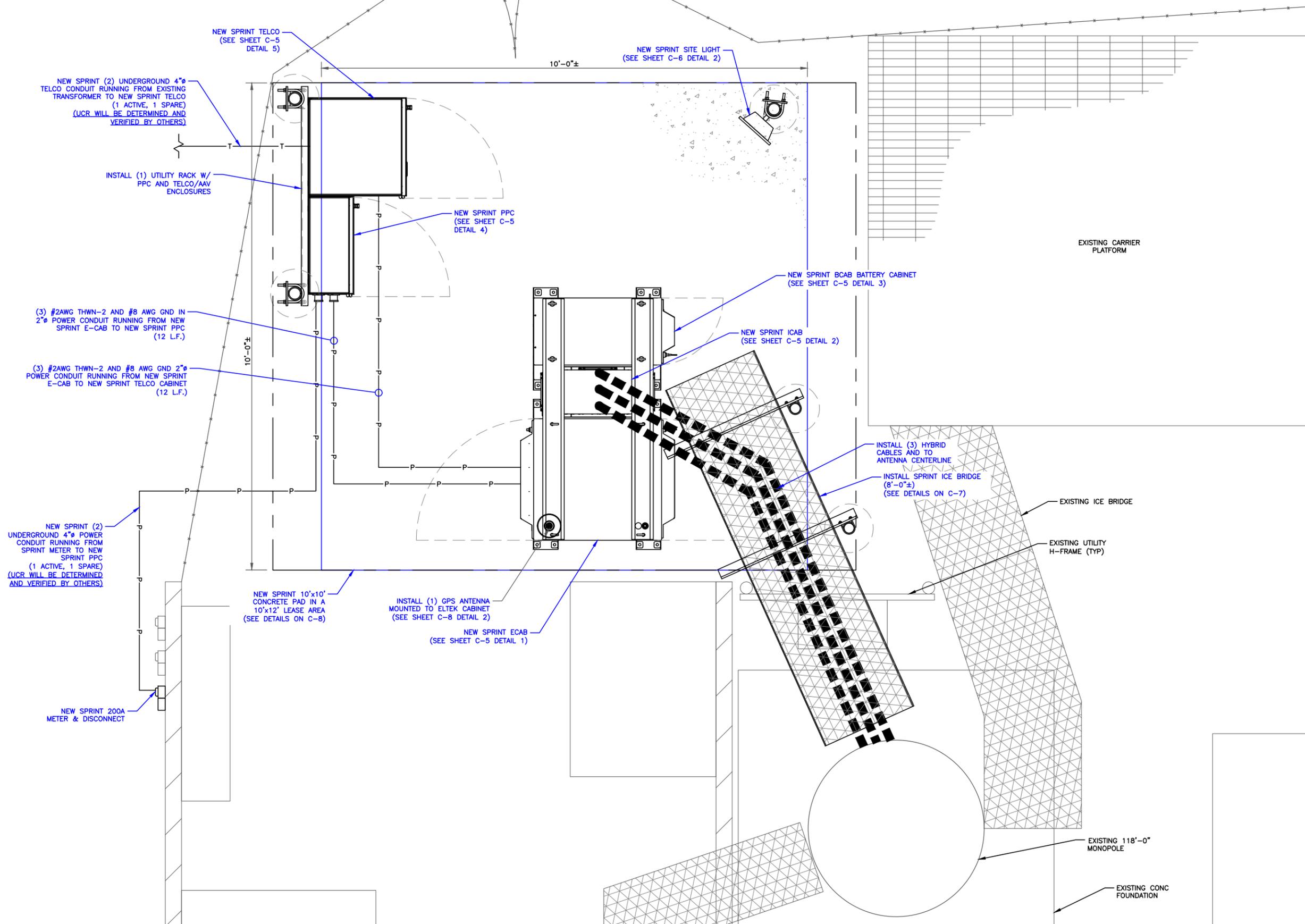
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A	3.30.18	CDL	PRELIMINARY	JGC
B	4.30.18	EEW	PRELIMINARY	JGC
C	5.16.18	EEW	PRELIMINARY	JGC
0	5.24.18	EEW	CONSTRUCTION	JGC

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SHEET NUMBER: **C-1.2** REVISION: **0**

NOTE: ANTENNAS REMOVED FOR CLARITY



1 FINAL ENLARGED SITE PLAN
 SCALE: 1"=1'-0" (FULL SIZE)
 1/2"=1'-0" (11x17)

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 502-437-5252

SPRINT SITE NUMBER:
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BU #: 824322
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8247 W. STATE STREET
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EXISTING 118'-0" MONOPOLE

ISSUED FOR:

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0	5.24.18	EEW	CONSTRUCTION	JGC

PROFESSIONAL ENGINEER
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 STATE OF IDAHO
 JASON G. SHERONIS

Jason G. Sheronis

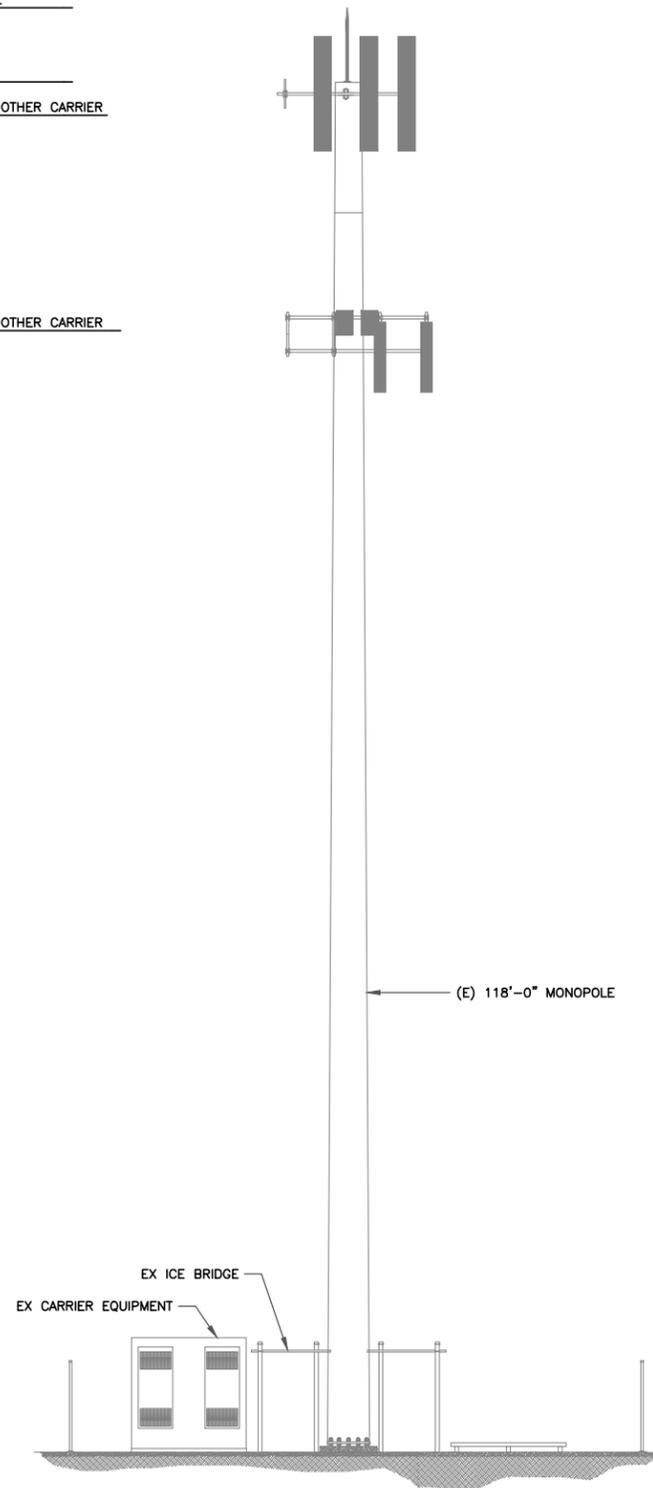
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SHEET NUMBER: **C-1.3** REVISION: **0**

TOP OF APPURTENANCE
ELEV. = 124'-6" AGL

TOP OF TOWER
ELEV. = 118'-0" AGL
ANTENNA RAD CENTER OTHER CARRIER
ELEV. = 117'-0" AGL

ANTENNA RAD CENTER OTHER CARRIER
ELEV. = 96'-0" AGL



1 EXISTING ELEVATION
SCALE: NOT TO SCALE

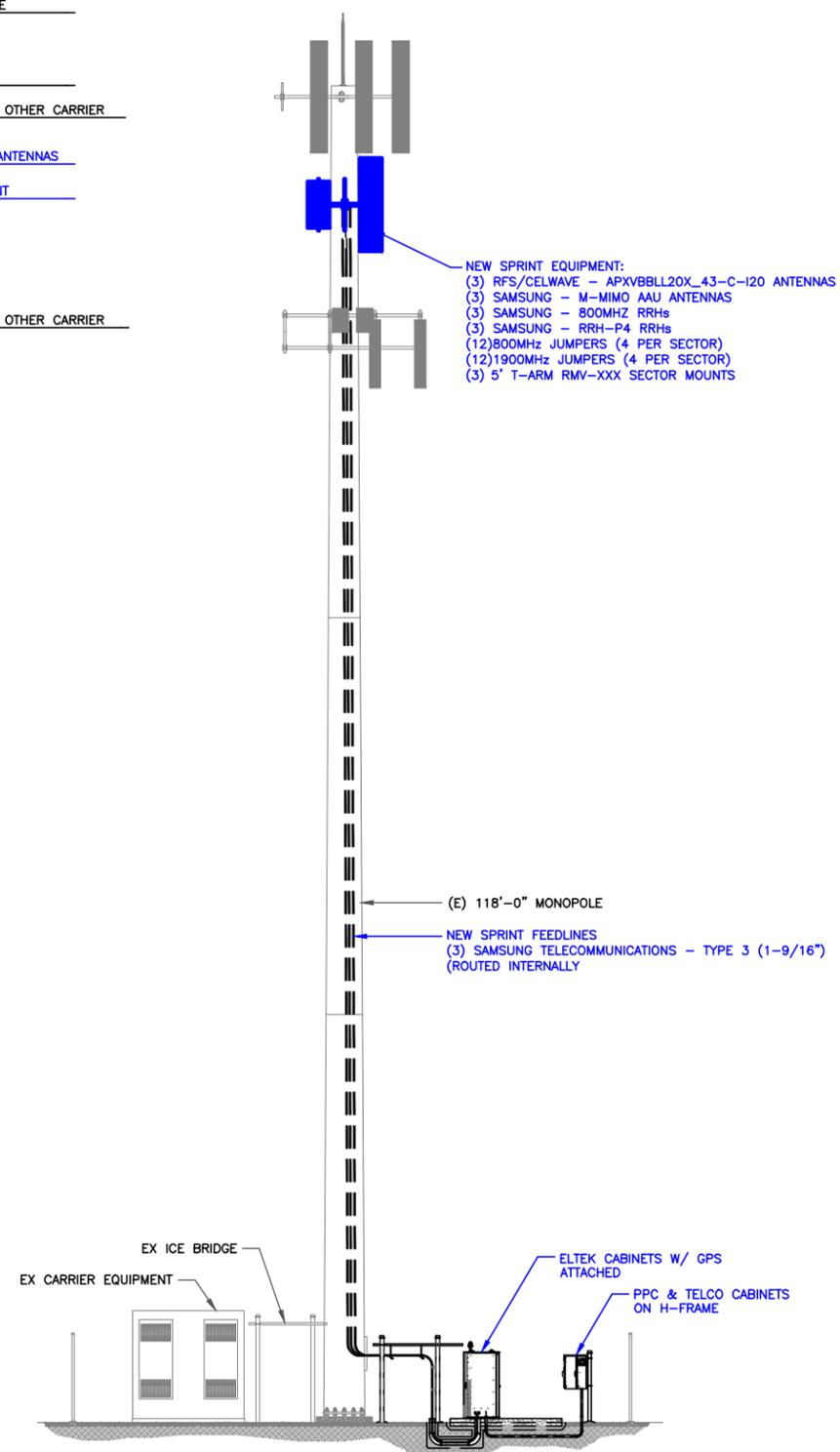
TOP OF APPURTENANCE
ELEV. = 124'-6" AGL

TOP OF TOWER
ELEV. = 118'-0" AGL
ANTENNA RAD CENTER OTHER CARRIER
ELEV. = 117'-0" AGL

TOP OF NEW SPRINT ANTENNAS
ELEV. = 110'-6" AGL
NEW SPRINT EQUIPMENT
ELEV. = 107'-0" AGL

ANTENNA RAD CENTER OTHER CARRIER
ELEV. = 96'-0" AGL

SPRINT EQUIPMENT
ANTENNA CL: 107'-0"
MOUNT CL: 107'-0"



2 FINAL ELEVATION
SCALE: NOT TO SCALE

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BU #: **824322**
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EXISTING 118'-0" MONOPOLE

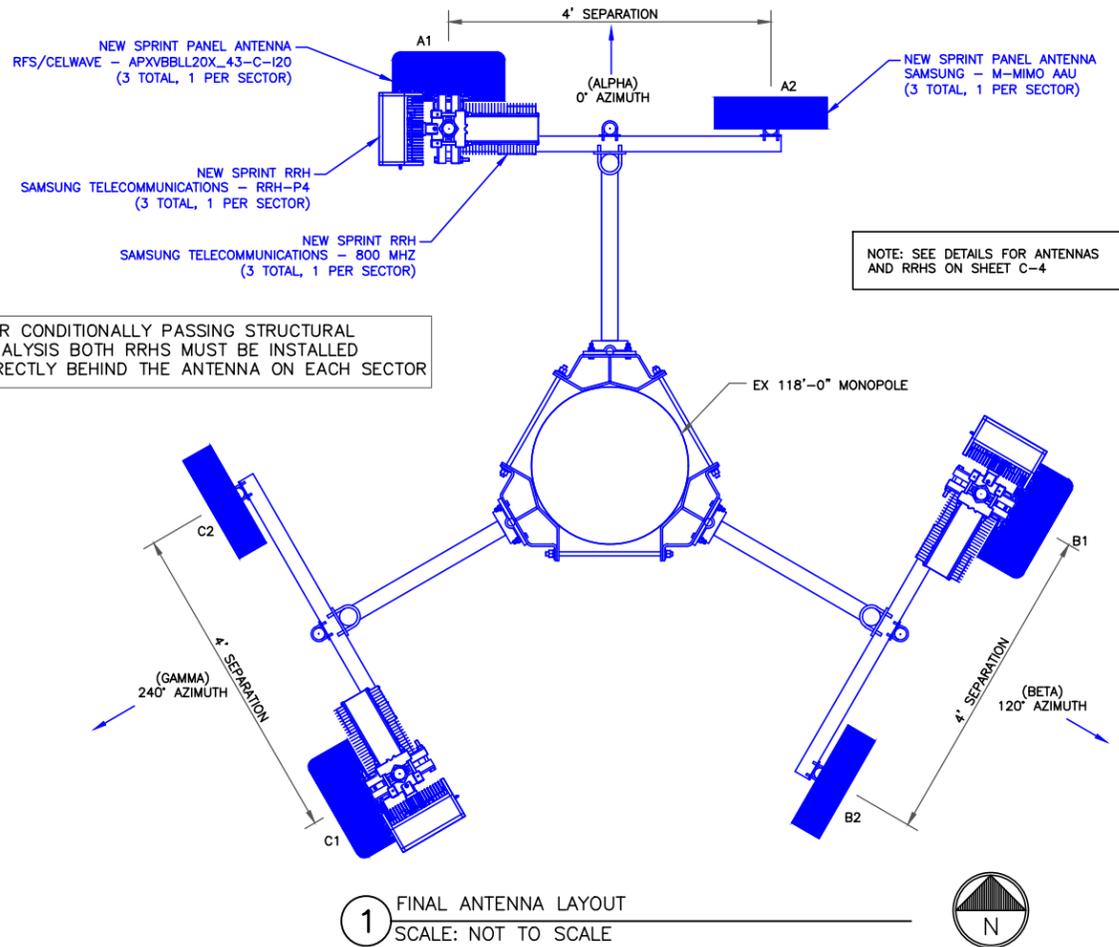
ISSUED FOR:

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PROFESSIONAL ENGINEER
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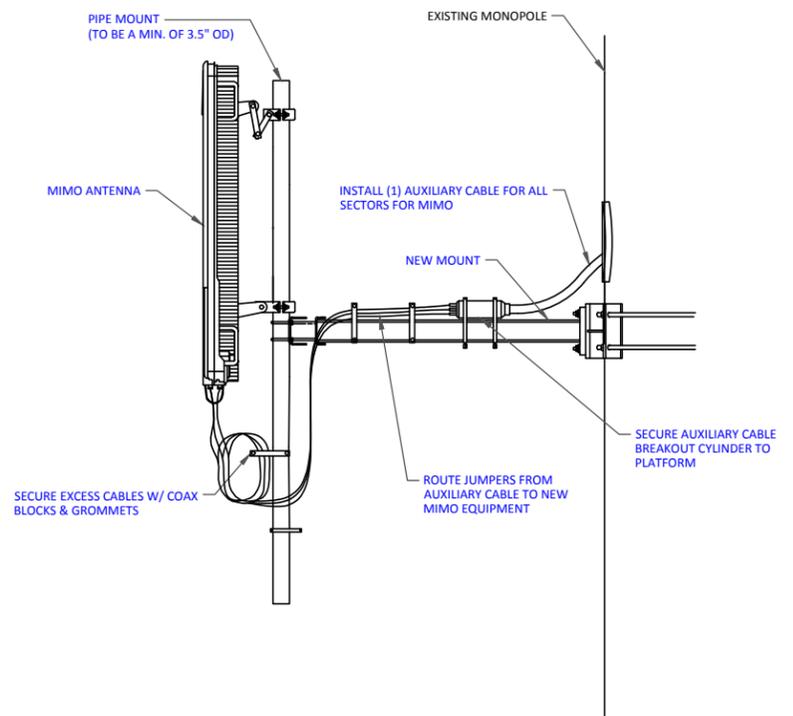
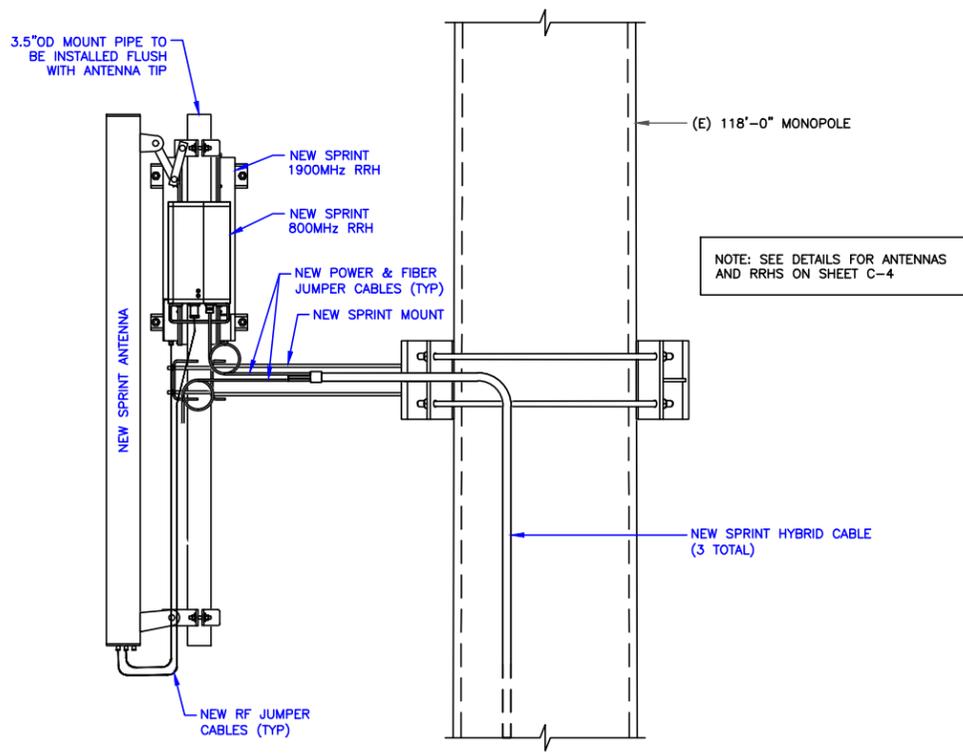
SHEET NUMBER: **C-2** REVISION: **0**



FINAL ANTENNA SCHEDULE

POSITION	EXIST/NEW	ANTENNA MODEL	FREQ. MHZ	AZIMUTH	RAD CENTER	MECH. TILT	ELECT. TILT	PIPE DIAM.	PIPE HEIGHT
A-1	NEW	APXVBBLL20X_43-C-120	800/1900	0°	107'-0"	0°	0°/0°	3.5"	96"
A-2	NEW	M-MIMO AAU	2500	0°	107'-0"	0°	0°/0°	3.5"	96"
B-1	NEW	APXVBBLL20X_43-C-120	800/1900	120°	107'-0"	0°	0°/0°	3.5"	96"
B-2	NEW	M-MIMO AAU	2500	120°	107'-0"	0°	0°/0°	3.5"	96"
C-1	NEW	APXVBBLL20X_43-C-120	800/1900	240°	107'-0"	0°	0°/0°	3.5"	96"
C-2	NEW	M-MIMO AAU	2500	240°	107'-0"	0°	0°/0°	3.5"	96"

2 FINAL ANTENNA SCHEDULE
SCALE: NOT TO SCALE



SPRINT SITE NUMBER:
SL90XCBA2

BU #: 824322
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8247 W. STATE STREET
GARDEN CITY, ID 83714

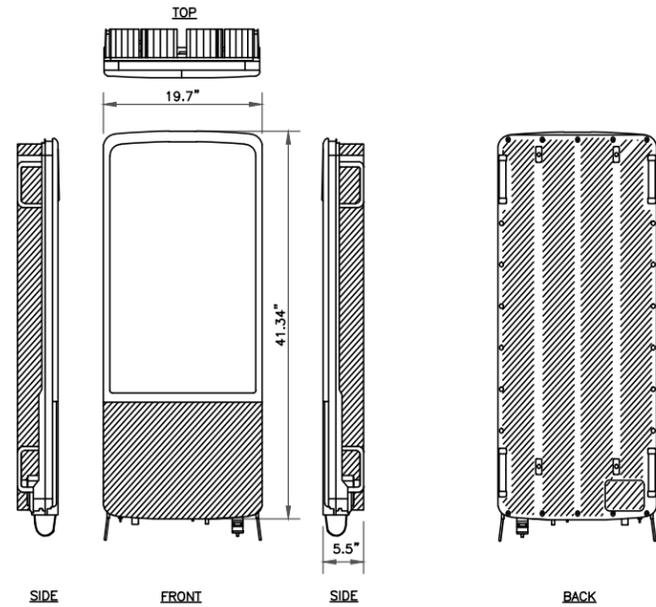
EXISTING 118'-0" MONOPOLE

ISSUED FOR:

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0	5.24.18	EEW	CONSTRUCTION	JGC

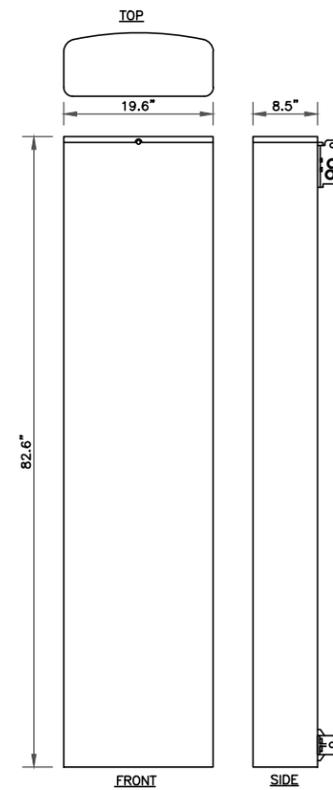


SHEET NUMBER: **C-3** REVISION: **0**



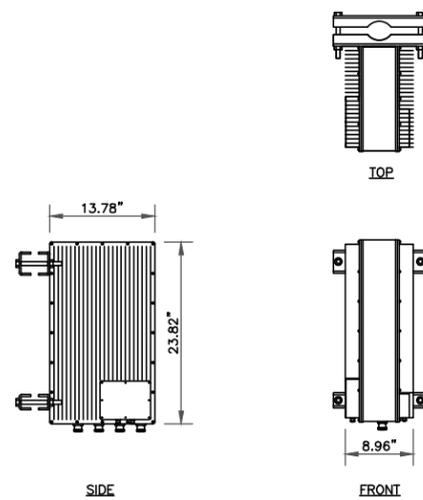
SAMSUNG - 64T64R
 WEIGHT (WITHOUT MOUNTING HARDWARE): 143.3 LBS
 SIZE (HxWxD): 41.34" X 19.7" X 5.5"

1 SAMSUNG 64T64R M-MIMO AAU
 SCALE: NOT TO SCALE



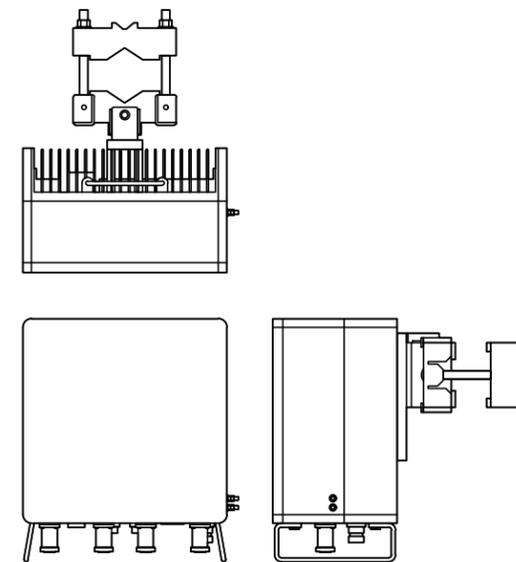
WEIGHT (WITHOUT MOUNTING HARDWARE): 85.3 LBS
 SIZE (HxWxD): 82.6"x19.6"x8.5"

2 RFS/CELWAVE / APXVBBLL20X_43-C-I20
 SCALE: NOT TO SCALE



SAMSUNG - RRH-P4
 WEIGHT (WITHOUT MOUNTING HARDWARE): 59.5 LBS
 SIZE (HxWxD): 23.82x13.78x8.96 IN.

3 SAMSUNG TELECOMMUNICATIONS - RRH-P4 1900 MHz
 SCALE: NOT TO SCALE



SAMSUNG - RRH-C4
 WEIGHT: 48.5 LBS.
 SIZE (HxWxD): 12.6x12.6x7.68 IN.

4 SAMSUNG TELECOMMUNICATIONS - RRH-C4 (RFD01F)
 SCALE: NOT TO SCALE

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0	5.24.18	EEW	CONSTRUCTION	JGC

PROFESSIONAL ENGINEER
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 STATE OF IDAHO
 JASON G. CHERONIS

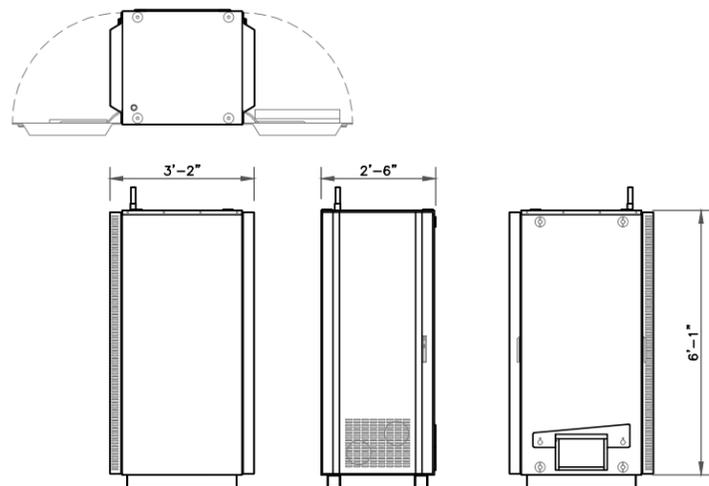
Jason G. Cheronis

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SHEET NUMBER: **C-4** REVISION: **0**

INSTALLER NOTES:

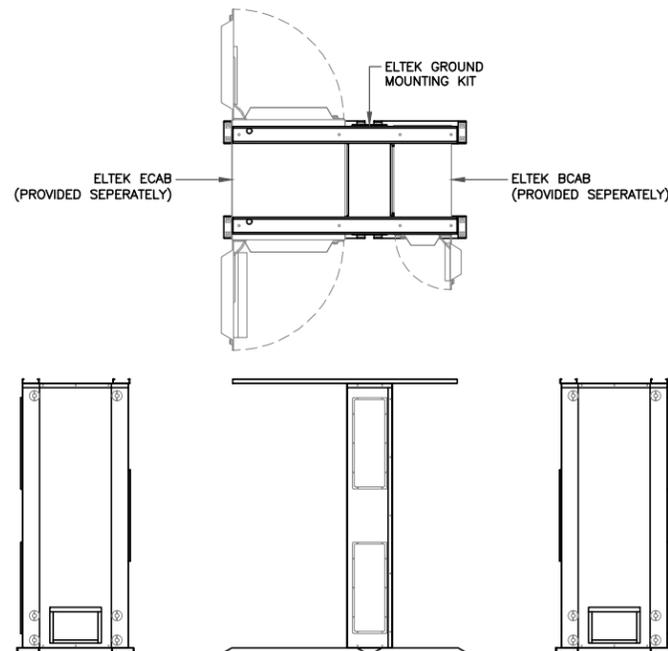
ATTACH CABINETS TO CONCRETE PAD USING (4) ANCHORS—ONE IN EACH CORNER. ANCHORS TO BE 1/2" DIAMETER SIMPSON STRONG-TIE STAINLESS STEEL STRONG-BOLT 2 WEDGE ANCHORS WITH MINIMUM 4" NOMINAL EMBEDMENT (ICC ESR-3037) OR EQUIVALENT. INSTALL ANCHORS PER MANUFACTURER'S RECOMMENDATIONS.



EQUIPMENT NOTES:

HEIGHTxWIDTHxDEPTH: 73.5" x 30.0" x 38.0"
(1868mm x 761mm x 965.2mm)
APPROX. WEIGHT: 505.0 LBS (229 kg) WITHOUT EQUIPMENTS

1 ELTEK – ECAB CABINET
SCALE: NOT TO SCALE

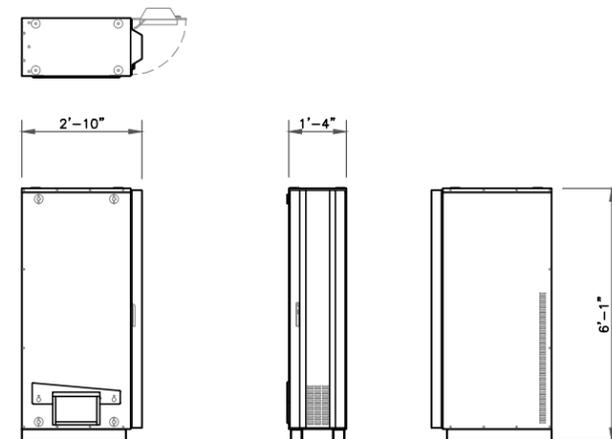


APPROX. WEIGHT: 180.0 LBS

2 ELTEK – GROUND MOUNTING KIT
SCALE: NOT TO SCALE

INSTALLER NOTES:

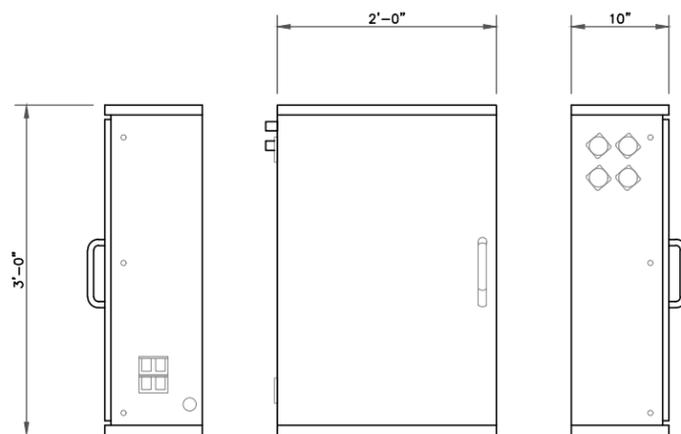
ATTACH CABINETS TO CONCRETE PAD USING (4) ANCHORS—ONE IN EACH CORNER. ANCHORS TO BE 1/2" DIAMETER SIMPSON STRONG-TIE STAINLESS STEEL STRONG-BOLT 2 WEDGE ANCHORS WITH MINIMUM 4" NOMINAL EMBEDMENT (ICC ESR-3037) OR EQUIVALENT. INSTALL ANCHORS PER MANUFACTURER'S RECOMMENDATIONS.



EQUIPMENT NOTES:

HEIGHTxWIDTHxDEPTH: 73.5" x 16.5" x 34.7"
(1868mm x 431mm x 882mm)
APPROX. WEIGHT: 330.0 LBS (229 kg) WITHOUT BATTERIES

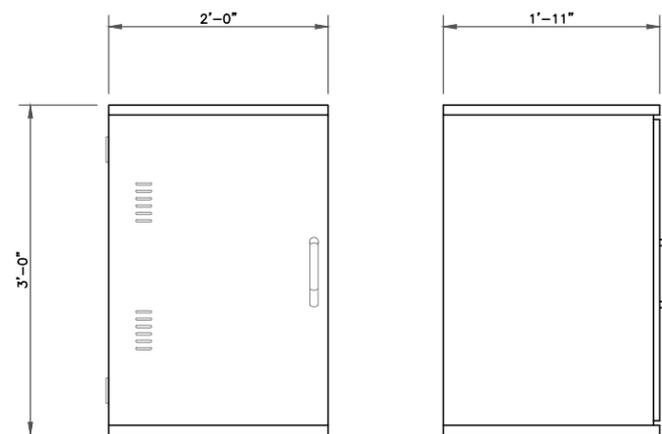
3 ELTEK – BCAB BATTERY CABINET
SCALE: NOT TO SCALE



ELTEK PPC SPECIFICATIONS

POWER CABINET DIMENSIONS: 36" x 24" x 10"
APPROXIMATELY 80 LBS
VOLTAGE: 120/240 VAC, SINGLE PHASE
AMPERAGE: 200A
FAULT CURRENT RATING: 22kAIC
MAIN BREAKERS: 200A SQUARE D, QO TYPE
TRANSFER TYPE: SLIDE BAR MECHANICAL INTERLOCK
DISTRIBUTION: 24 POSITION, 200A LOAD CENTER
BRANCH BREAKERS: 20A BREAKER FOR GFCI OUTLET
GENERATOR RECEPTACLE: 15A BREAKER FOR TELCO CABINET FAN
200A CAMLOCK

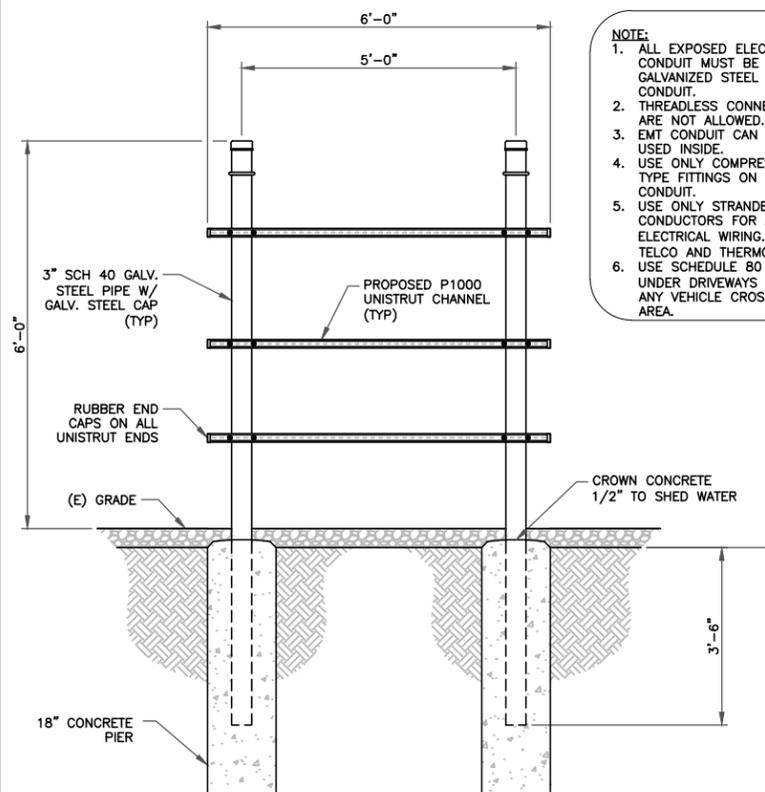
4 ELTEK – POWER CABINET (PPC)
SCALE: NOT TO SCALE



EQUIPMENT NOTES:

HEIGHTxWIDTHxDEPTH: 36.0" x 24.0" x 23.0"
(914.4mm x 609.6mm x 584.2mm)
APPROX. WEIGHT: 50.0 LBS (22.67 kg)

5 ELTEK – TELCO CABINET
SCALE: NOT TO SCALE



NOTE:

- ALL EXPOSED ELECTRICAL CONDUIT MUST BE GALVANIZED STEEL RIGID CONDUIT.
- THREADLESS CONNECTORS ARE NOT ALLOWED.
- EMT CONDUIT CAN ONLY BE USED INSIDE.
- USE ONLY COMPRESSION TYPE FITTINGS ON EMT CONDUIT.
- USE ONLY STRANDED CONDUCTORS FOR ALL ELECTRICAL WIRING. (EXCEPT TELCO AND THERMOSTAT)
- USE SCHEDULE 80 CONDUIT UNDER DRIVEWAYS AND/OR ANY VEHICLE CROSSING AREA.

6 H-FRAME DETAIL
SCALE: NOT TO SCALE

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CROWN CASTLE
1505 WESTLAKE AVENUE NORTH, SUITE 800
SEATTLE, WA 98109

POD
POWER OF DESIGN
11490 BLUEGRASS PKWY
LOUISVILLE, KY 40299
502-437-5252

SPRINT SITE NUMBER:
SL90XCBA2

BU #: 824322
GRDNCITY_ROE

8247 W. STATE STREET
GARDEN CITY, ID 83714

EXISTING 118'-0" MONOPOLE

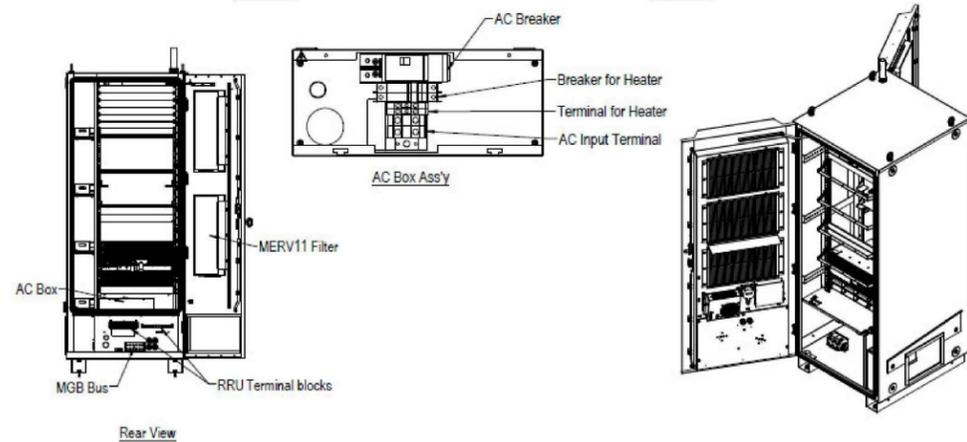
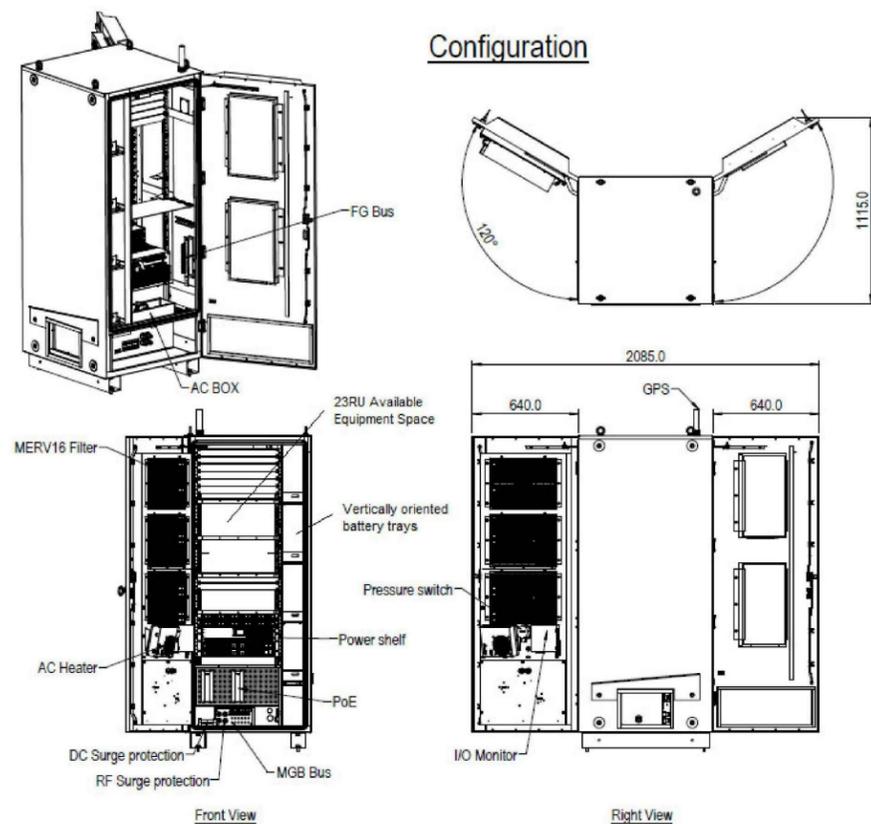
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	3.30.18	CDL	PRELIMINARY	JGC
B	4.30.18	EEW	PRELIMINARY	JGC
C	5.16.18	EEW	PRELIMINARY	JGC
0	5.24.18	EEW	CONSTRUCTION	JGC

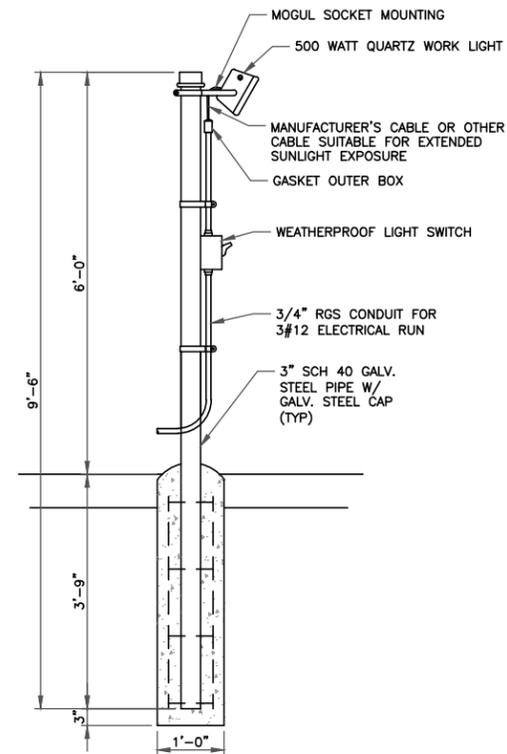
PROFESSIONAL ENGINEER
LICENSED
17390
STATE OF IDAHO
JASON G. GHERONIS

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SHEET NUMBER: **C-5** REVISION: **0**



1 E-CAB EXTERIOR CABINET DETAIL
SCALE: NOT TO SCALE



2 FREE STANDING WORK SITE LIGHT ATTACHED TO POST
SCALE: NOT TO SCALE

3 NOT USED
SCALE: NOT TO SCALE

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502-437-5252

SPRINT SITE NUMBER:
SL90XCBA2

BU #: **824322**
GRDNCITY_ROE

8247 W. STATE STREET
GARDEN CITY, ID 83714

EXISTING 118'-0" MONOPOLE

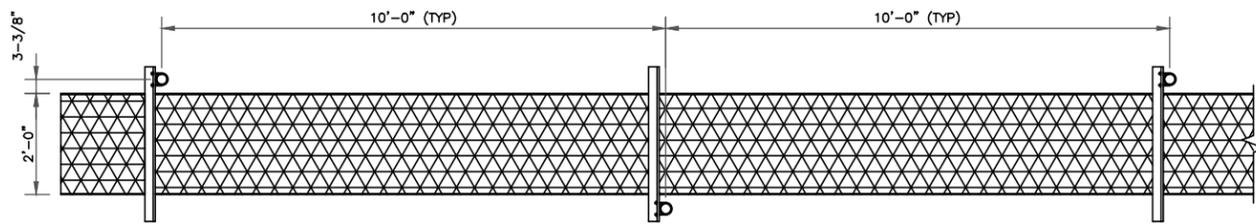
ISSUED FOR:

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0	5.24.18	EEW	CONSTRUCTION	JGC

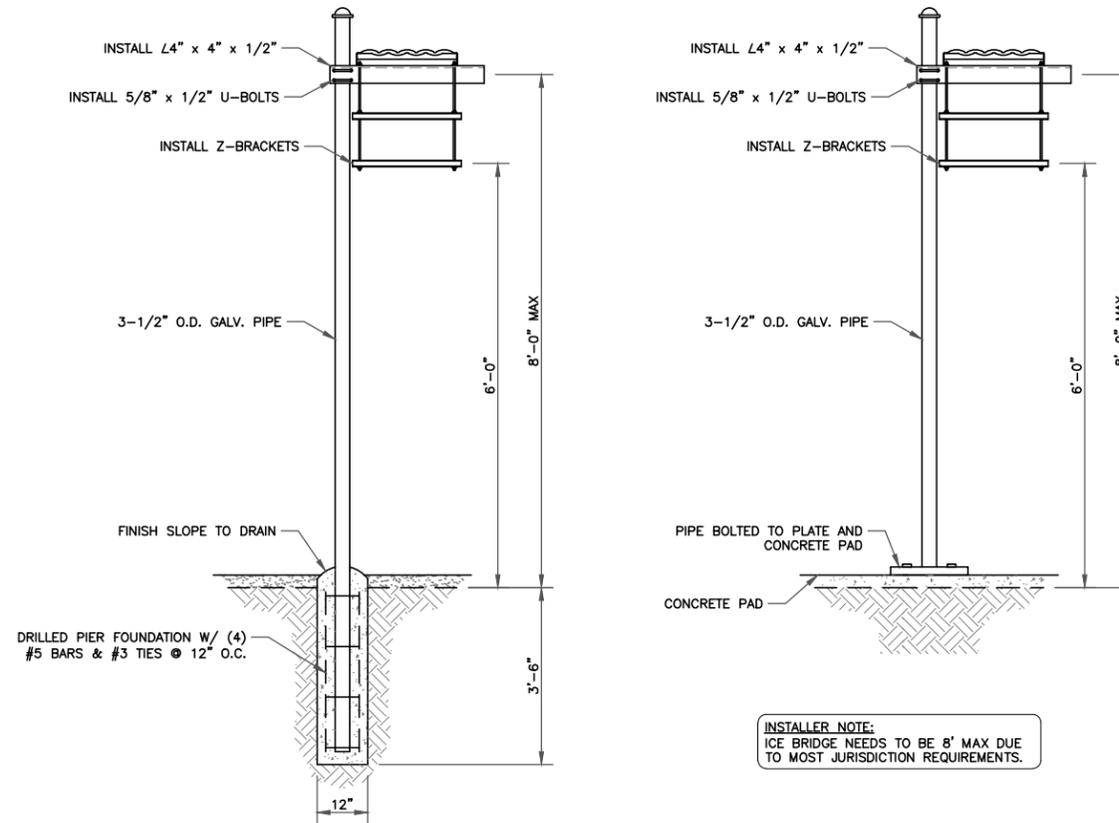


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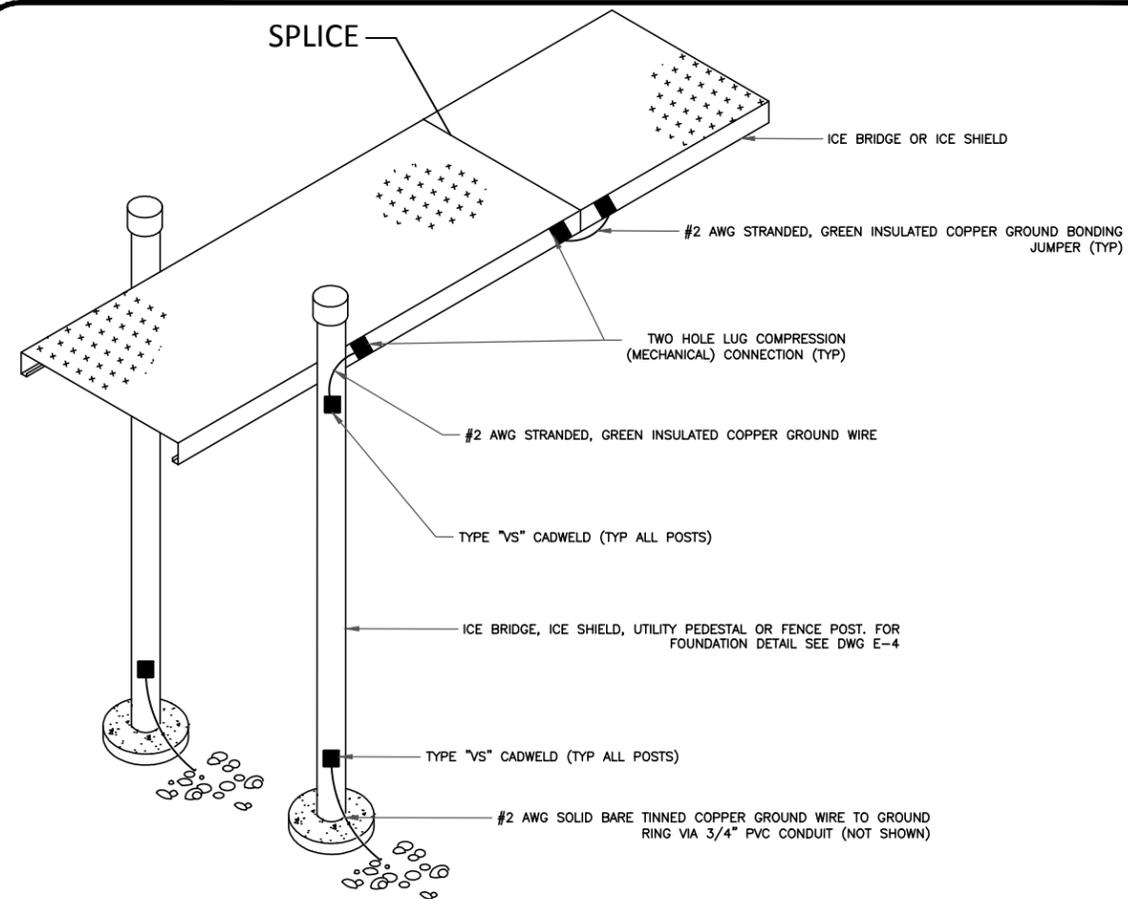
SHEET NUMBER: **C-6** REVISION: **0**



1 ICE BRIDGE DETAILS
SCALE: NOT TO SCALE



INSTALLER NOTE:
ICE BRIDGE NEEDS TO BE 8' MAX DUE
TO MOST JURISDICTION REQUIREMENTS.



3 ICE BRIDGE GROUNDING
SCALE: NOT TO SCALE

2 NOT USED
SCALE: NOT TO SCALE

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LOUISVILLE, KY 40299
502-437-5252

SPRINT SITE NUMBER:
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BU #: 824322
GRDNCITY_ROE

8247 W. STATE STREET
GARDEN CITY, ID 83714

EXISTING 118'-0" MONOPOLE

ISSUED FOR:

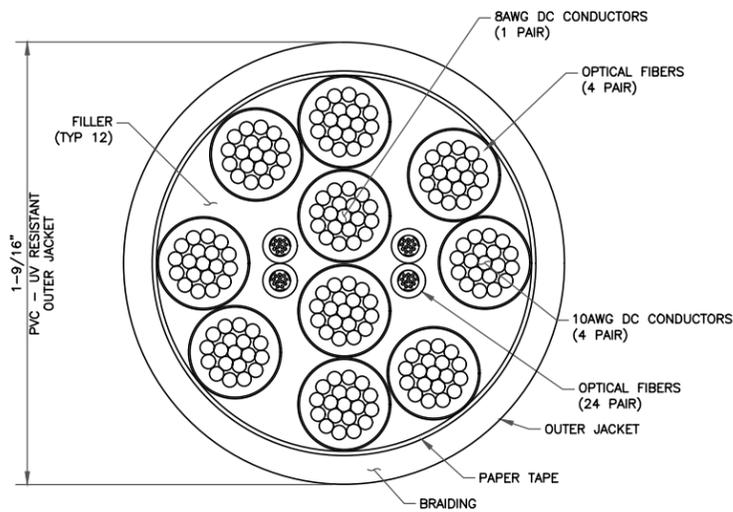
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C	5.16.18	EEW	PRELIMINARY	JGC
0	5.24.18	EEW	CONSTRUCTION	JGC

PROFESSIONAL ENGINEER
LICENSED
17390
STATE OF IDAHO
JASON G. THERONIS

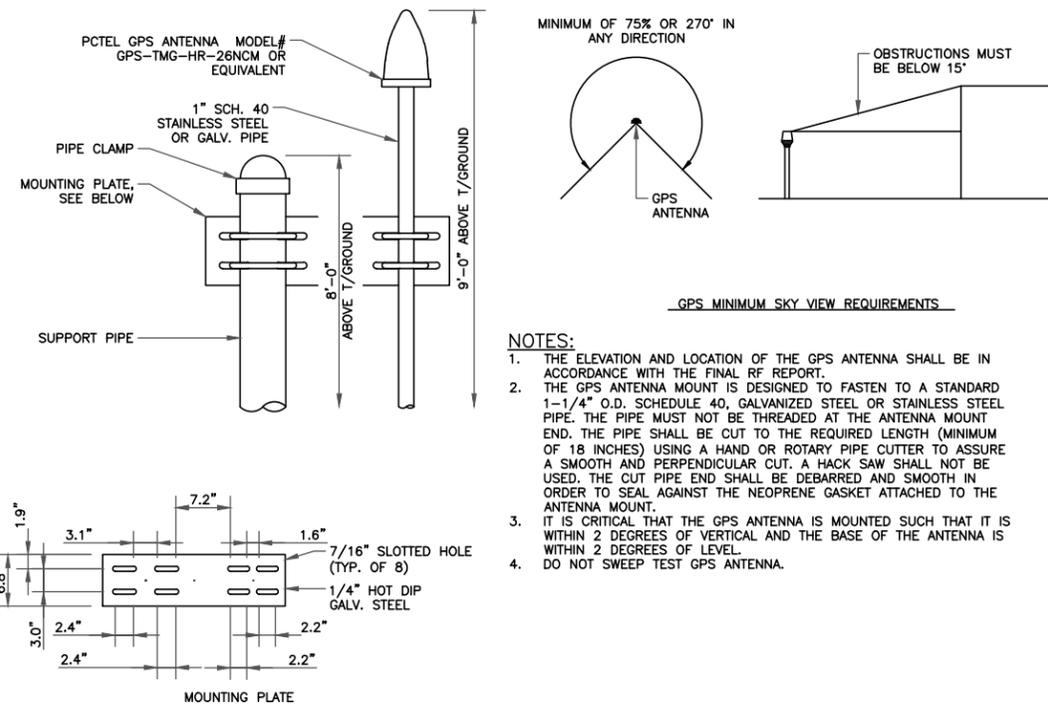
Jason G. Theronis

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SHEET NUMBER: **C-7** REVISION: **0**

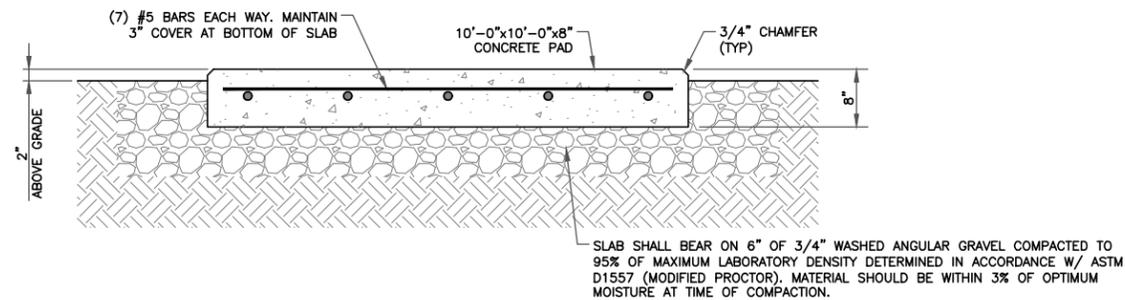


1 HYBRID CABLE SPECIFICATIONS
SCALE: NOT TO SCALE



- NOTES:**
1. THE ELEVATION AND LOCATION OF THE GPS ANTENNA SHALL BE IN ACCORDANCE WITH THE FINAL RF REPORT.
 2. THE GPS ANTENNA MOUNT IS DESIGNED TO FASTEN TO A STANDARD 1-1/4" O.D. SCHEDULE 40, GALVANIZED STEEL OR STAINLESS STEEL PIPE. THE PIPE MUST NOT BE THREADED AT THE ANTENNA MOUNT END. THE PIPE SHALL BE CUT TO THE REQUIRED LENGTH (MINIMUM OF 18 INCHES) USING A HAND OR ROTARY PIPE CUTTER TO ASSURE A SMOOTH AND PERPENDICULAR CUT. A HACK SAW SHALL NOT BE USED. THE CUT PIPE END SHALL BE DEBARRED AND SMOOTH IN ORDER TO SEAL AGAINST THE NEOPRENE GASKET ATTACHED TO THE ANTENNA MOUNT.
 3. IT IS CRITICAL THAT THE GPS ANTENNA IS MOUNTED SUCH THAT IT IS WITHIN 2 DEGREES OF VERTICAL AND THE BASE OF THE ANTENNA IS WITHIN 2 DEGREES OF LEVEL.
 4. DO NOT SWEEP TEST GPS ANTENNA.

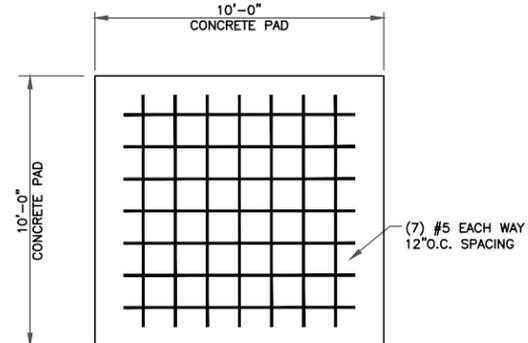
2 GPS ANTENNA DETAIL
SCALE: NOT TO SCALE



INSTALLER NOTE:
REINFORCING SHALL HAVE MINIMUM 3" CONCRETE COVER WHEN CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.

INSTALLER NOTE:
CONCRETE MIXES SHALL BE DESIGNED BY A CERTIFIED LABORATORY AND APPROVED BY THE ENGINEER. CONCRETE EXPOSED TO FREEZE-THAW CYCLES TO CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH WATER-TO-CEMENT RATIO (W/C) AS SHOWN BELOW. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY ENGINEER. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90°F AT TIME OF PLACEMENT. MINIMUM CONCRETE STRENGTH (f'c) TO BE NOTED BELOW.

FOUNDATIONS (W/C:0.50)	4,000 psi
SLAB ON GRADE (W/C:0.45)	4,500 psi



3 CONCRETE PAD DETAIL
SCALE: NOT TO SCALE

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11490 BLUEGRASS PKWY
LOUISVILLE, KY 40299
502-437-5252

SPRINT SITE NUMBER:
SL90XCBA2

BU #: 824322
GRDNCITY_ROE

8247 W. STATE STREET
GARDEN CITY, ID 83714

EXISTING 118'-0" MONOPOLE

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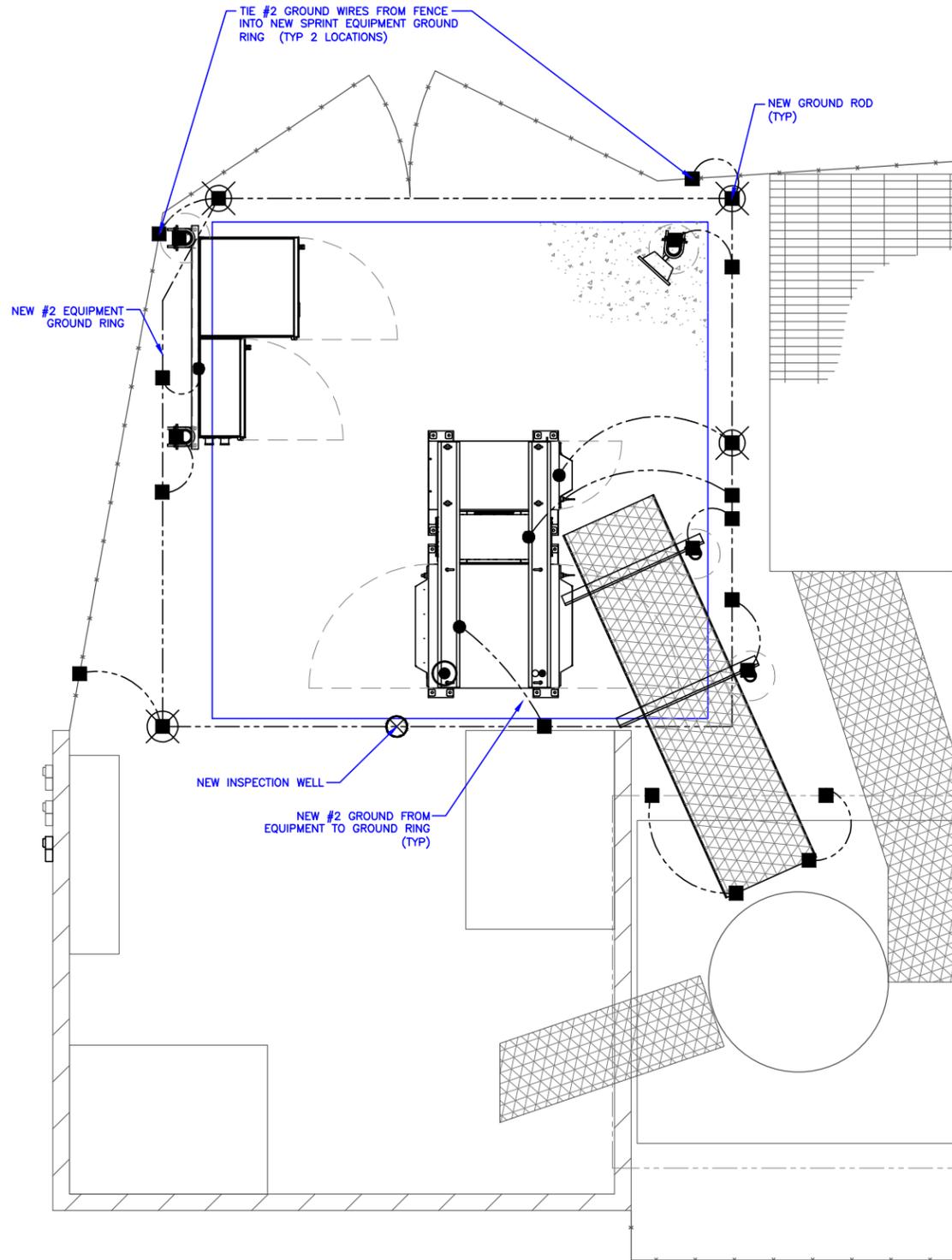
PROFESSIONAL ENGINEER
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STATE OF IDAHO
JASON G. CHERONIS

Jason G. Cheronis

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SHEET NUMBER: **C-8** REVISION: **0**

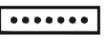
NOTE: POWER AND TELCO ROUTES TO BE DETERMINED IN UTILITY COORDINATION DRAWINGS BY OTHERS

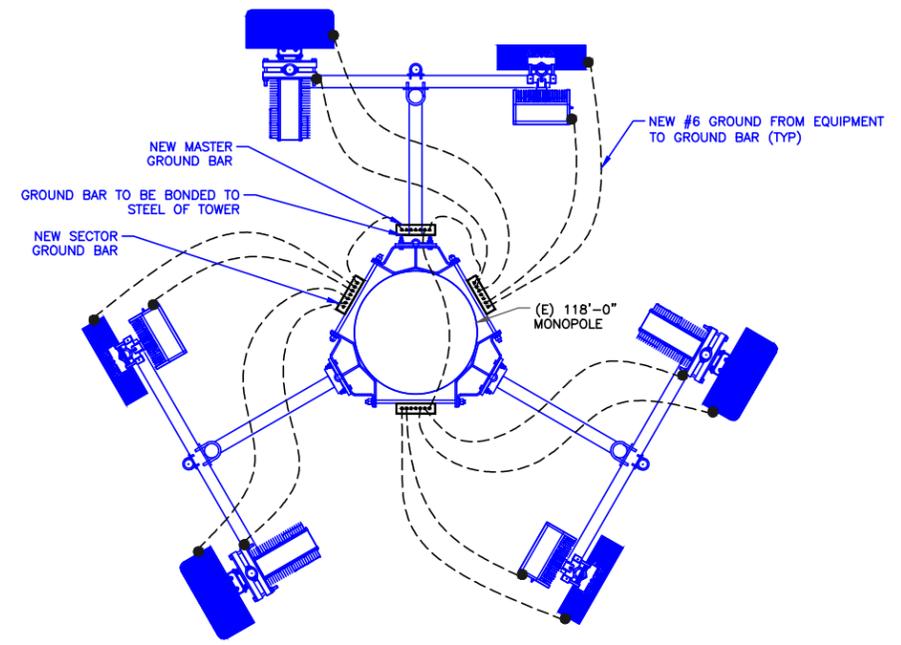


1 EQUIPMENT GROUNDING PLAN
SCALE: NOT TO SCALE



GROUNDING LEGEND

-  INSPECTION WELL VERIFY LOCATION W/ CONSTR. MGR.
-  5/8"x10'-0" COPPER CLAD GROUND ROD, 10' O.C. (TYP)
-  #6 AWG STRANDED & INSULATED
-  #2 AWG SOLID COPPER TINNED
-  GROUND BUS BAR
-  EXOTHERMIC WELD (CADWELD) (UNLESS OTHERWISE NOTED)
-  MECHANICAL CONNECTION



2 ANTENNA GROUNDING PLAN
SCALE: NOT TO SCALE



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8247 W. STATE STREET
GARDEN CITY, ID 83714

EXISTING 118'-0" MONOPOLE

ISSUED FOR:

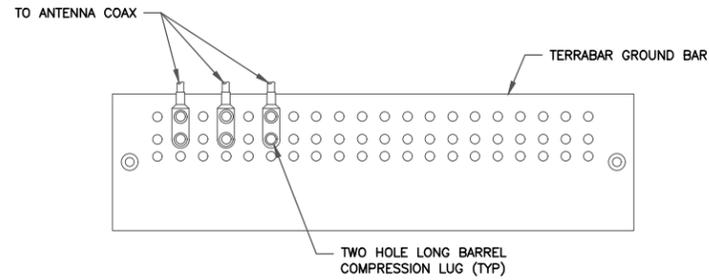
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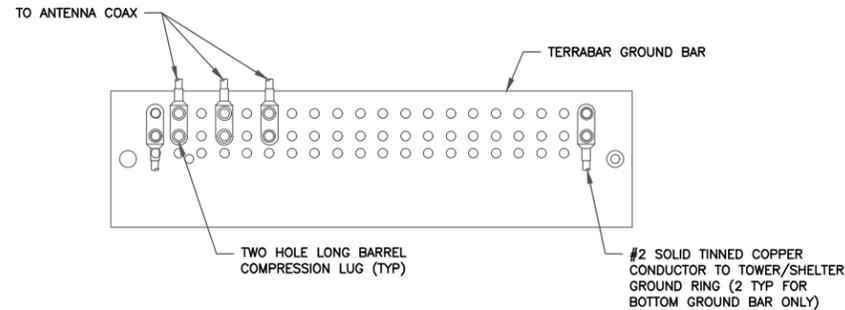
SHEET NUMBER: **G-1** REVISION: **0**



NOTE:

1. DOUBLING UP "OR STACKING" OF CONNECTIONS IS NOT PERMITTED.
2. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
3. GROUND BAR SHALL NOT BE ISOLATED FROM THE TOWER. MOUNT DIRECTLY TO TOWER STEEL.

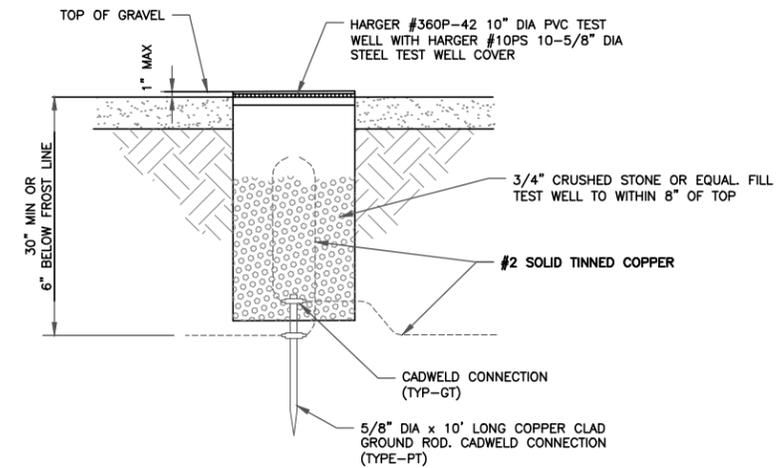
1 ANTENNA GROUND BAR DETAIL
SCALE: NOT TO SCALE



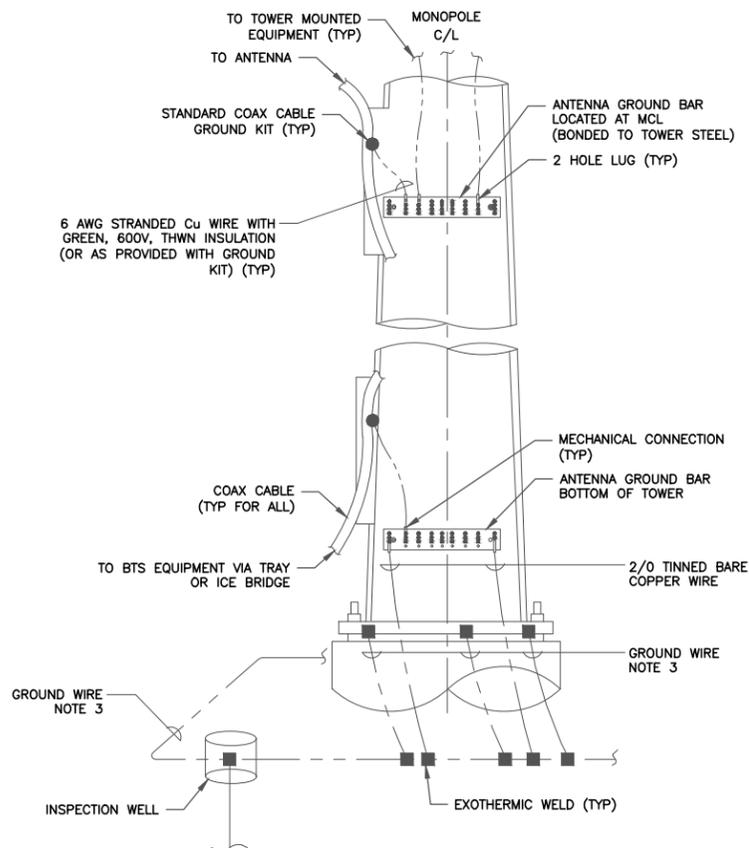
NOTE:

1. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
2. GROUND BAR SHALL NOT BE ISOLATED FROM THE TOWER. MOUNT DIRECTLY TO TOWER STEEL (TOWER ONLY).
3. INSTALL GROUND BARS AT 75 FT. INTERVAL MAXIMUM.
4. GROUND BAR SHALL BE ISOLATED FROM BUILDING OR SHELTER.

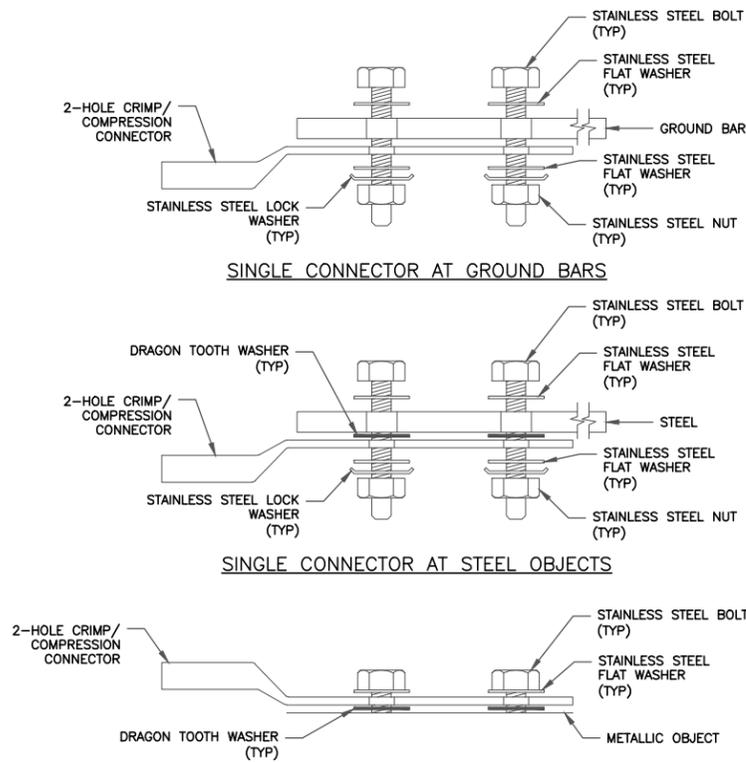
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



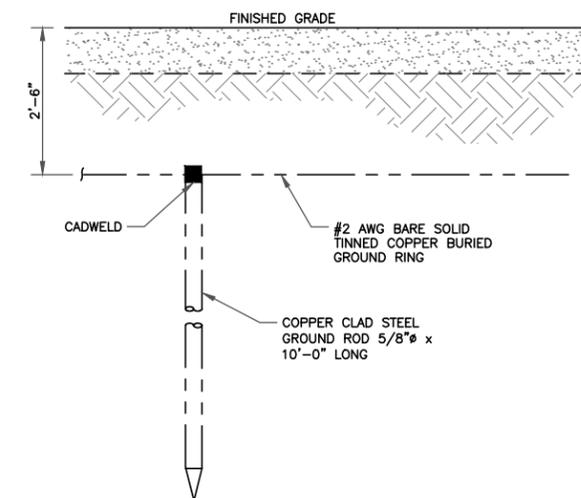
3 TEST WELL DETAIL
SCALE: NOT TO SCALE



4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



6 GROUND ROD
SCALE: NOT TO SCALE

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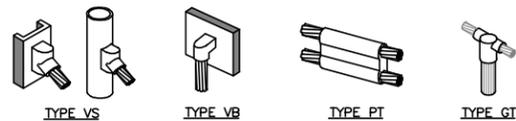
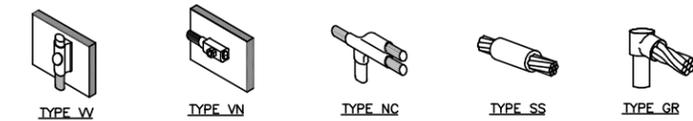
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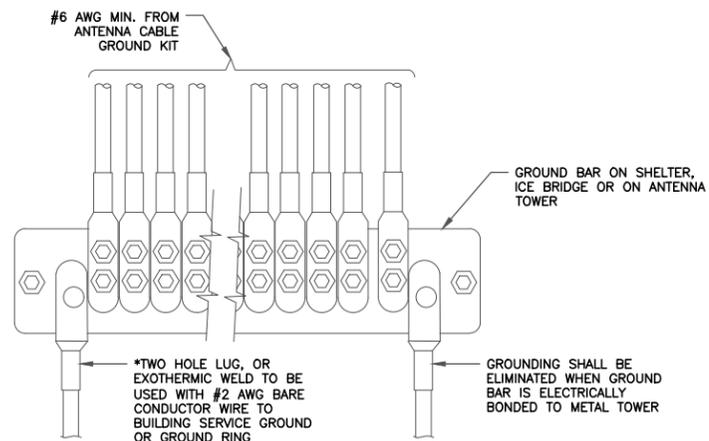
SHEET NUMBER: **G-2** REVISION: **0**



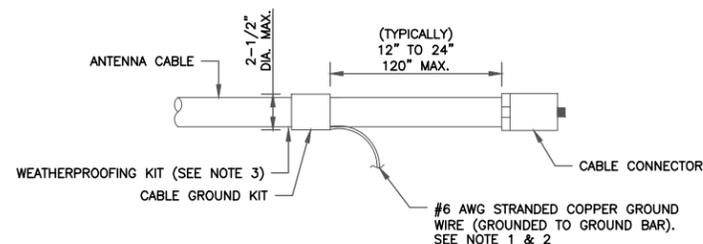
NOTE:

1. ERICO EXOTHERMIC "MOLD TYPE" SHOWN HERE ARE EXAMPLES. CONSULT WITH CONSTRUCTION MANAGER FOR SPECIFIC MOLDS TO BE USED FOR THIS PROJECT.
2. MOLD TYPE ONLY TO BE USED BELOW GRADE WHEN CONNECTING GROUND RING TO GROUND ROD.

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE



2 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE

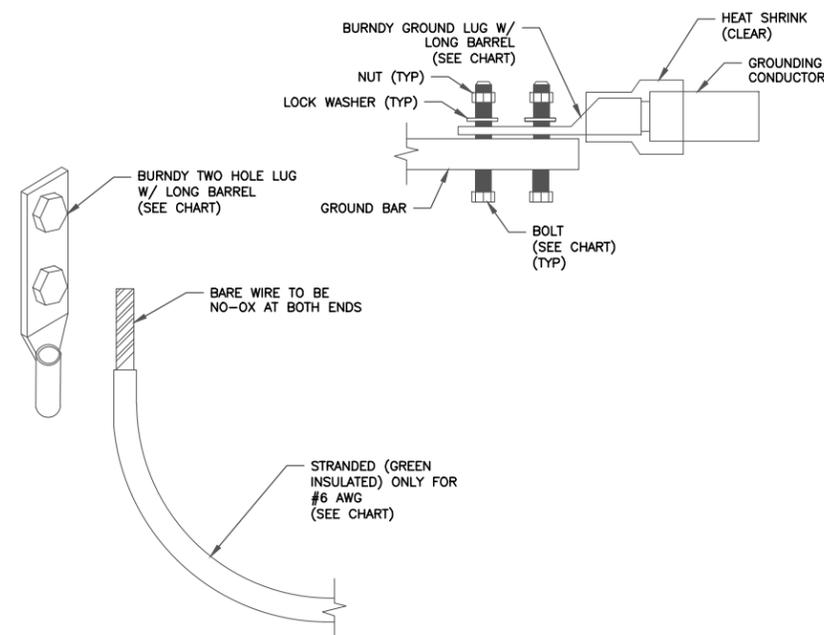


NOTE:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
3. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT; COLD SHRINK SHALL NOT BE USED.

3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE

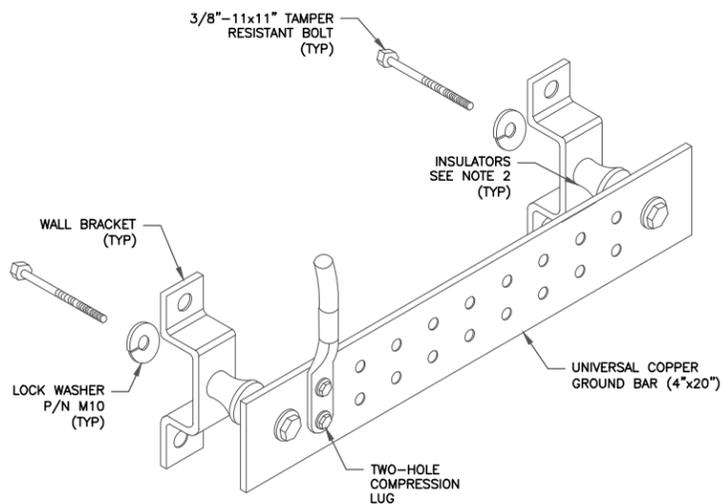
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



NOTE:

1. ALL GROUNDING LEADS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL HARDWARE BOLTS, NUTS, LOCK WASHERS SHALL BE STAINLESS STEEL. ALL HARDWARE ARE TO BE AS FOLLOWS: BOLT, FLAT WASHER, GROUND BAR, GROUND LUG, FLAT WASHER, NUT.

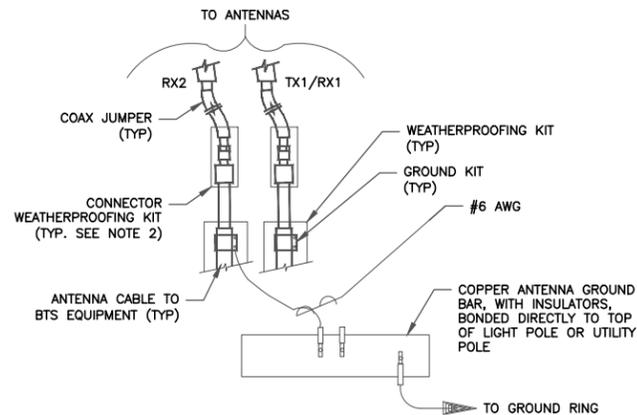
4 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



NOTE:

1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY QAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION; CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.
2. OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL. USE INSULATORS WHEN ATTACHING TO BUILDING OR SHELTERS.

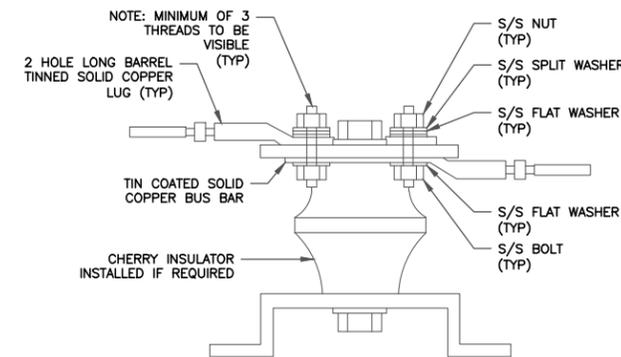
5 GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTE:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT; COLD SHRINK SHALL NOT BE USED.

6 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



SPRINT SITE NUMBER:
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GRDNCITY_ROE

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SHEET NUMBER: **G-3** REVISION: **0**



08.24.2018



BLYNN PROPERTIES LLC
PO BOX 1550
EAGLE, ID 83616-0000

IDAHO STATE DEPT OF FORESTRY
8355 W STATE ST
BOISE, ID 83714-6071

HENRY JUDITH A
8270 W PAMELA ST
BOISE, ID 83714-0000

IDAHO STATE DEPT OF LANDS
300 N 6TH ST
BOISE, ID 83720-0000

PETERSON CHARLES RAY
8207 W PAMELA ST
BOISE, ID 83714-0000

OLSON CHRISTOPHER S
8378 W PAMELA ST
GARDEN CITY, ID 83714-0000

MHC SHENANDOAH ESTATES LLC
PO BOX 6115
CHICAGO, IL 60606-0000

KRANZLER CONRAD A
8358 W STATE ST
BOISE, ID 83714-0000

HATCH SHELLEY J
2804 S BLACKSPUR WAY
MERIDIAN, ID 83642-0000

MHC SHENANDOAH ESTATES LLC
PO BOX 6115
CHICAGO, IL 60606-0000

MH RENTALS LLC
1272 N TYRA AVE
BOISE, ID 83713-0000

HATFIELD DAVID
8261 W PAMELA ST
GARDEN CITY, ID 83714-0000

CARROLL LARRY D
8151 W KERRY ST
BOISE, ID 83714-0000

BLYNN PROPERTIES LLC
PO BOX 1550
EAGLE, ID 83616-0000

GRAY JODY A
8333 W PAMELA ST
GARDEN CITY, ID 83714-0000

SUTHERLAND LEE
8369 W PAMELA ST
GARDEN CITY, ID 83714-0000

BISS JOHN W
499 S MERIDIAN RD
MERIDIAN, ID 83642-0000

BEYER FLOYD E JR
8234 W PAMELA ST
GARDEN CITY, ID 83714-0000

LAIRD ANDREA
8351 W PAMELA ST
GARDEN CITY, ID 83714-0000

AVEST LIMITED PARTNERSHIP
PO BOX 140337
GARDEN CITY, ID 83714-0000

ZIMMERMAN GEORGE LEE
636 RIDGEWOOD RD
DULUTH, MN 55804-0000

CARTER RICHARD
8332 W PAMELA ST
GARDEN CITY, ID 83714-0000

MURDOCK TAYLOR LEE DAVID
8297 W PAMELA ST
GARDEN CITY, ID 83714-0000

SOMMER MICHAEL W
8279 W PAMELA ST
GARDEN CITY, ID 83714-0000

KELLY KIMBERLEY J
8252 W PAMELA ST
GARDEN CITY, ID 83714-0000

STEVENSON JEFFREY
8314 W PAMELA ST
GARDEN CITY, ID 83714-0000

SOMMER SCOTT E
PO BOX 1541
MERIDIAN, ID 83680-0000

JOHNSON RODNEY
8306 W STATE ST
BOISE, ID 83714-0000

HFP REDLEG 12 LLC
PO BOX 140111
GARDEN CITY, ID 83714-0000



Crown Castle
1505 Westlake Avenue North, Suite 800
Seattle, WA 98109

July 2, 2019

Dear Property Owner / Resident:

Garden City Development Services requires an opportunity for a meeting between the applicant of a development proposal and the residents of the neighborhood in which the development will occur. This meeting is required prior to a formal submittal of the development application to the city.

This letter is notice of an opportunity to review and discuss the Sprint PCS proposal to install six antennas and the associated equipment at the existing wireless communications facility located at 8247 W State Street, Garden City, ID, 83714.

This is not a public hearing or a formal meeting. Public officials will not be present. If you have any questions regarding this pre-application requirement, please feel free to contact me.

Purpose: To review and provide comments regarding the Sprint PCS installation

When: 6:00 pm – 7:00 pm

Where: Garden City Public Library at 6015 N. Glenwood St., Garden City, ID 83714

Project: Sprint PCS New Colocation

Sincerely,

A handwritten signature in black ink that reads 'Sarah Baird'.

Sarah Baird
Real Estate Specialist
Sarah.Baird@crowncastle.com
(206) 336-3204



ADA COUNTY ASSESSOR

190 E. Front Street, Suite 107, Boise, ID 83702

(208) 287-7262 www.adacountyassessor.org

RADIUS NOTICE REQUEST FOR ADDRESSES

Idaho Code 9-348(1)(b) prohibits the distribution or sale of mailing lists in order to protect the privacy of taxpayers. However, this list can be provided if you are requesting a list of property addresses to fulfill a requirement required by any statute, ordinance, rule, law or by any governing agency (Idaho Code 9-348(8)).

Please check the purpose below:

- Subdivision
- Conditional Use Permit
- Variance
- Expansion of Extension of a Nonconforming Use
- Zoning Ordinance Map Amendment
- Property Line Adjustment or Lot Split
- Annexation
- Comprehensive Plan Amendments
- Other: _____

Agency: Crown Castle on behalf of Sprint

Parcel Number or Address of Subject Property:

APN: R0719420250
Address: 8247 W. State St.
Garden City, ID 83714

Brief Description:

Sprint would like to collocate on existing wireless communications facility, requiring expansion of CUP.

Applicant:

Name: Sarah Baird, Crown Castle, on behalf of Sprint

Address: 1505 Westlake Ave N, Suite 800

City: Seattle State: WA Zip: 98109

Telephone: 206-336-3204

Would you like to have the list emailed to you? YES NO

Email address: sarah.baird@crowncastle.com

Under penalty of perjury, I hereby certify that I will not be using, nor will I allow to be used in any form or manner, the records, documents, or lists obtained from the Ada County Assessor's Office as a mailing or telephone number list for purposes other than listed above.

By: *Sarah Baird* Date: 8/30/2018

Sign In

Name

Address

Richard G Carter

8332 W. Pamela

~~VERETT~~ BRYER

8294 W. Pamela ST

602-555-7003

NEIGHBORHOOD MAP

