

Rico Planning Commission Memorandum

Date: September 3rd, 2020

TO: Town of Rico Planning Commission
FROM: Kari Distefano, Rico Town Manager
SUBJECT: Items on the Agenda

Consideration of an application for a height variance for a cell phone tower at 119 S. Glasgow (Rico Fire Department Building), SAC Wireless on behalf of AT&T, applicant.

The applicant, SAC Wireless, is requesting a height variance for a cell phone tower that will be replacing the existing tower and associated equipment on the Rico Fire Station lot. The Rico Fire Station is in the Historic Commercial Zone District. In this zone district, the maximum allowable height for structures is 30'. The existing tower is 30' high. The applicant is requesting a variance for a tower that would be 45' high. According to the narrative in the application, a copy of which is included in this packet, they want to install equipment that would allow the operation of FirstNet. As stated in the narrative "The FirstNet mission is to deploy, operate, maintain, and improve the first high-speed, nationwide wireless broadband network dedicated to public safety". In addition to the Variance Application, there are two maps included in the packet. They are intended to illustrate the difference in coverage between the 30' tower and the 45' tower. The application is complete and compliant.

When evaluating a variance application, the following should be considered:

There are special circumstances existing on the property on which the application is made related to size, shape, area, topography, surrounding conditions, access, and location that do not apply generally to other property in the same area and Zone District;

the Variance will not unduly impact such things as: snow removal, streetscapes, separation of buildings for fire protection, and opportunity for off-street parking, which are provided by minimum setbacks; solar access, and protection of neighbors views to the surrounding mountains, which are provided by maximum building heights; continuity of design, minimization of visual impact, and provision of minimal yard area, which is provided by maximum floor areas (particular attention shall be given to the impacts of the Variance on neighbors); and,

the Variance, if granted, will not constitute a material detriment to the public welfare or injury to the use, of property in the vicinity; and,
the Variance is not sought to relieve a hardship to development of the property which has been created by the Applicant; and,

the proposed use is a permitted use in the underlying Zone District.

The applicant has addressed these questions in the application and makes the argument that this is a public safety issue. This service is available only to first responders but it is my understanding that the FirstNet service passes through AT&T. Thursday I called AT&T hoping for an AT&T technician that could answer two questions. Will cell service get better in Rico as a result of this tower? Would AT&T be able to expand its service in Rico? In the past, I have been told by AT&T that they don't extend their service to Rico. I was on hold on Thursday with AT&T for an hour before having to give up and move on to other things.

As you all know, cell service in Rico is a problem. I get constant complaints about Verizon. It does not interconnect with land lines and is often just bad. Despite the fact that AT&T says they don't have service in Rico, both my phone and the SCADA for our water system use AT&T. We rarely have problems but if you call AT&T, they will tell you that AT&T does not serve Rico and on several occasions my service has disappeared for a period of time and the technicians were unable to tell me what was going on.

Later a conversation with Joseph Levie, who is the point person for this application, suggested that it may be possible for other AT&T customers to use the service when it was not being used by first responders. I advised him that it would be useful to be able to answer that question at the meeting.

It is my recommendation that the possibility that this tower would allow other AT&T users, besides those that are first responders should be explored prior to granting this variance.

Complete & Compliant Letter



December 4th, 2020

SAC Wireless on behalf of AT&T
Joseph Levie

RE: Height variance for a cell phone tower at 119 S. Glasgow

Dear Applicants,

The Town of Rico has received an application for height variance for a proposed cell phone tower at 119 S. Glasgow. I have performed an initial review of this application and at this time the application is complete and compliant. This determination does not preclude the Town from determining following additional review at a subsequent time, that the application is not complete or compliant. In such an event, the Town Staff would require the applicant to correct any deficiencies.

Pursuant to this determination that this application is complete and compliant, this application is scheduled for the December 9th, 2020 Rico Planning Commission meeting and the December 14th Rico Board of Trustee's meeting.

These applications include the following required components:

Attachments Required Variance:

☒ Two (2) 24" by 36" paper Plats (1) electronic (pdf) site plan showing the following signed and stamped by a surveyor licensed in the State of Colorado:

☒ North Arrow

☒ Adjacent streets with labels

☒ Scale not greater than 1"= 20' unless the entire site will not fit on a 24"x 36" sheet

☒ Areas of environmental concern if applicable

☒ Vicinity Map

☒ Locations of existing buildings if applicable

☒ Lot lines

☒ Location of proposed buildings if applicable

☒ Easements

☒ Location of existing utilities if applicable

☒ Acreage of Lot

☒ Location of setbacks and proposed setbacks if applicable

☒ Description of Variance Request – cite Rico Land Use sections for which the variance is sought.

☒ Narrative of reasons that Variance should be granted

☒ Statement from County Treasurer showing the status of current taxes due on affected property

☒ Letter of agency if applicant is other than the owner of the property

☒ An application fee in the amount of \$200.00

☒ A Certificate of Mailing with names, addresses, and property owned of property owners within 200 feet of subject property

☒ A copy of the deed for the property.

Date Application Received: 10-15-2020

Application Reviewed by: KLD

Application Fee Received: 10 -15-2020

Date of Hearing: 12-09-2020 & 12-14-2020

Application Complete: Yes

Rico Planning Commission Action _____

Mailing Notice Complete: Yes

Approval Subject to Conditions _____

Other comments:

None.

Variance Application



Applicant Name SAC Wireless on behalf of AT&T Phone Number 312-858-9024
Address 540 W. Madison 9th Floor Chicago, IL 60661 Cell Phone Number 312-858-9024
Email joseph.levie@sacw.com Fax Number _____
Street Address of Subject Property 119 S. Gasgow Ave
Legal Description of Subject Property LTS 9, 10, 11, 12 BLK 2 - Town of Rico

Zone District of Subject Property Historic Commerical

Attachments Required:

- ☒ Description of Variance Request – cite Rico Land Use sections for which the variance is sought.
 - ☒ Narrative of reasons that Variance should be granted
 - ☒ Statement from County Treasurer showing the status of current taxes due on affected property
 - ☒ Letter of agency if applicant is other than the owner of the property
 - ☒ An application fee in the amount of \$200.00
 - ☐ A Certificate of Mailing with names, addresses, and property owned of property owners within 200 feet of subject property.
 - ☒ A copy of the deed for the property.
 - ☐ Two (2) 24" by 36" Site Plans and (1) electronic (pdf) site plan showing the following:
-

**Project Narrative for Commnet Rico
Jurisdiction- Town of Rico, Colorado
119 S. Gasgow Avenue Rico, CO 81332**

Description of Proposed Use

Commnet is currently proposing a drop and swap where they will be building a new 45' stealth flag pole next to the existing 33' stealth flag pole and then decommissioning/demolishing the existing tower. The RAD center of the FirstNet antennas will be located at 30' and the RAD center for the comment Antennas will be located at 41'. There will also be an addition of (1) two bay ground cabinet to a new shifted leased area. The current zoning classification of the site is Historic Commercial.

ANTENNAS: Three sectors would consist of a total of two (2) new panel antennas. See page A-2.0 "Proposed Antenna Plan" of the drawings submitted with this application for reference to the antenna layout.

CABINETS: Commnet proposes installing (1) two bay equipment. The dimensions and model information can be found on page A-4.0 of the attached plans. The concrete pad will be 3'-6"x10'-0". The new layout of the new equipment will be installed per plans, according to page A-1.1, "Proposed Site Plan."

Requirements for Proposed Use

The proposed site was chosen to comply with the Town of Rico's land use requirements, as closely as feasibly possible.

204.6. Building Height. The highest point of each roof segment shall not exceed 28 feet as measured from the average height of the supporting points of that roof segment at pre-construction grade. The lowest exposed point of the structure to the highest point of the structure shall not exceed 35 feet of total elevation. For structures with an irregular footprint, the Enforcement Official shall determine the reference points which meet the purpose of this RLUC. Existing pre-construction grade shall be determined by the Town's two foot contour maps, as exist or may be amended from time to time, or shall be determined by a survey prepared by a licensed surveyor. Any property owner has the right to challenge reference points determined by the Enforcement Official for structures with an irregular footprint. This challenge must be initiated first through a Variance Application (Section 430, et. al.), and subsequently may be appealed to the Board of Trustees by following RLUC, Section 516.

Applicant Response: Commnet is requesting the variance to go about the 35' highest point on a structure in order to install FirstNet equipment and move over the existing commnet equipment onto the new tower. The FirstNet mission is to deploy, operate, maintain, and improve the first high-speed, nationwide wireless broadband network dedicated to public safety. This reliable, highly secure, interoperable, and innovative public safety communications platform will bring 21st century tools to public safety agencies and first responders, allowing them to get more information quickly and helping them to make faster and better decisions. The installation of FirstNet will have a direct impact to the police department.

244. Standards for Review

244.1 The application complies with the Design Regulations for the HC Zone District; the application should incorporate architectural features similar to features established by the historic commercial structures in the Town; such features include, but are not limited to: windows, doors, cornices, trim, and decorative architectural features; and,

Applicant Response: The design of the proposed wireless communication facility will match the existing stealth flag pole. The proposed tower will also be a stealthed flagpole instead of an ordinary monopole. This stealth design was chosen to fit in with the decorative architectural features of the Historic Zone District.

244.2 proposed structure or alteration of existing structure utilizes design that is practical and functional with respect to pedestrian traffic flow, parking, loading and deliveries;

Applicant Response: The new wireless telecommunications facility will not interfere with any pedestrian traffic flow, parking, load and deliverables. The compound is enclosed by an existing wooden fence and the proposed stealth flag pole is an unmanned site.

244.3 the design provides visual interest by avoiding long monotonous walls without windows, doors, openings, or trim detail and by using siding materials, doors, windows, and trim detail that provide visible texture, relief, and shadow lines; and,

Applicant Response: The stealth flagpole was designed to fit in with the decorative architectural features of the Historic Zone District.

244.4 the overall design is compatible and complimentary to existing buildings in the HC Zone District.

Applicant Response: The New wireless telecommunications facility design will match the design of the existing telecommunications facility.

436. Standards for review of Variance Applications

436.1. There are special circumstances existing on the property on which the application is made related to size, shape, area, topography, surrounding conditions, access, and location that do not apply generally to other property in the same area and Zone District;

Applicant Response: The current property has the use of a fire station. We propose the installation of this facility to help deploy the FirstNet equipment that benefits the first responders, including the Fire Department, Police Department and EMTs. Additionally, the tower would allow the expansion for future wireless growth to improve service in the surrounding area. There is already an existing wireless telecommunications facility located on this property.

436.2. the Variance will not unduly impact such things as: snow removal, streetscapes, separation of buildings for fire protection, and opportunity for off-street parking, which are provided by minimum setbacks; solar access, and protection of neighbors views to the surrounding mountains, which are provided by maximum building heights; continuity of design, minimization of visual impact, and provision of minimal yard area, which is provided by maximum floor areas (particular attention shall be given to the impacts of the Variance on neighbors); and,

Applicant Response: As this is an unmanned facility, the site will not unduly impact items listed above as the tower is located on south side of the Rico Volunteer Fire Department away from the firetruck access driveway. The tower is also not located in an area that would impact snow removal, streetscape, separation of a building for fire protection, or an area that would be used as off-street parking. The tower is in a nook in the back of the fire station, which minimizes the visual impact that would disrupt any views to the surrounding mountains or solar access. Additionally, the site will not generate excessive traffic; will not cause any noise, air, light or water pollution. No noise, lights, dust or vibrations will be generated. Screening has been taken into consideration in project design and is reflected so in the plans. The visual impact to the adjoining properties will not be significantly altered by the replacement pole or the new antennas and equipment due to the proposed concealment features.

436.3. the Variance, if granted, will not constitute a material detriment to the public welfare or injury to the use, of property in the vicinity; and,

Applicant Response: The variance will not constitute a material detriment to the public welfare or injury to the use, or property in the vicinity because there already is an existing wireless telecommunication facility on the property in the location where the new tower will be installed.

436.4. the Variance is not sought to relieve a hardship to development of the property which has been created by the Applicant; and,

Applicant Response: The variance is not sought to relieve a hardship to development of the property which has been created by the applicant. The new wireless telecommunications facility is being built to improve the communication for public safety and first responders.

436.5. that the proposed use is a permitted use in the underlying Zone District.

The use for wireless facilities is already existing due to the previous approval of the existing tower.

Other Information

If you have any further questions or comments concerning this application, please feel free to contact me at 312-858-9024, or via email at: Joseph.lavie@sacw.com. I thank you in advance for your kind courtesies and attention with respect to this application.

Joseph Levie

From: Joi Redshaw <dcjoir@fone.net>
Sent: Monday, July 13, 2020 9:44 AM
To: Joseph Levie
Subject: exempt property

Here is a screen print that shows owner information. This property is exempt.

ACCOUNT FILE MAINTENANCE			
Account	504736222009	Flag R	
Name	RICO TOWN OF	LEGAL DESCRIPTION	Acres
Address 1		WITHIN CORPORATE LIMITS	
Address 2		FROM: RICO PROPERTIES LLC	
Address 3	P.O. BOX 56	RICO LTS 9,10,11,12 BLK 2	
Address 4	RICO	36-40-11	
State/Zip	CO 81332 0000	B-65 P-587 B-71 P-30	
Property	119 S. GLASGOW AVE	B-180 P-75-77	
Map Num	504736222009		
Prev Name1	RICO PROPERTIES L.L.C.		
Prev Name2	RICO DEVELOPMENT CORPORATION	VALUES-ASSD TAXABLE	EXEMPT
		LAND	2900
Use	91490 City 00000 Subdv 00052		
Anlys	000 Tax/Dst 102 Zone 00		
Exempt	E Late Filing Advrt Y Bnkrpt N	TOTALS	2900
ACRES: Master	Legal Value Ignore PP \$ 2233 Exemption N		
000000000000	000 000 NOV # NOD #		
CHANGES			



LETTER OF AUTHORIZATION

TO THE CITY/COUNTY OF: Rico

APPLICATION FOR ZONING/USE/BUILDING PERMIT

The undersigned Rico Fire Protection District of the below described Property ("Owner"), does/do hereby appoint Commnet of Nevada, LLC ("Commnet"), as agent for the purpose of consummating any zoning and permitting applications necessary to ensure its ability to use and/or construct improvements to the Property leased, or licensed to it, for the purpose of constructing a wireless communications facility. I understand that the application may be denied, modified or approved with conditions and that those conditions or modifications must be complied with prior to issuance of building permits. Owner hereby authorizes the employees of the City/County of Rico to enter upon the Property during normal business hours as necessary to inspect the Property for the purpose of processing this application.

Property Located at: 119 S. Glasgow Ave, Rico, CO 81332 ("Property")

Assessor's Parcel Number: 504736222009

Owner's Name (print): Rico Fire Protection District

Signature (and title, if applicable) of Property Owner:

Name:  _____

Title: Chairman RFPD

Date Executed: June 23, 2020

Site Name: Rico



October 18, 2019

Re: LETTER OF AUTHORIZATION FOR SAC WIRELESS

Dear Sir or Madam:

By way of this letter, please recognize that Commnet has engaged SAC Wireless to represent our company to evaluate site conditions, negotiate modifications to our current real estate agreements, obtain necessary permits, and perform maintenance and service work at our facilities. Commnet values its reputation with its landlords and local government agencies and has instructed SAC Wireless to protect its good standing in all matters. To that extent, please accept this as Commnet authorization for you to discuss the terms of our site agreement and possible improvements or changes that may be proposed at the facility with SAC Wireless.

We very much appreciate your assistance in the continuing operation of this wireless communication facility. Thank you for your attention to this matter and if you require further information or if you have any questions, please feel free to contact Cindy Phillips at (720) 733-7854.

Regards,

Ken Bomer
SVP - Network Operations
Commnet Wireless

AFFIDAVIT OF MAILING PUBLIC NOTICE LETTER

Town of Rico
P.O. Box 9
Rico, Colorado, 81332

Re: Certification and Affidavit of Mailing Public Notice Letter for (legal description of property), Town of Rico.

I hereby declare that I, Jeremy Boone of SAC Wireless, mailed a copy of the Town approved, enclosed public letter via U.S. First Class Mail, postage prepaid thereon on 11/18/2020 to the attached list of property owners. The public notice letter was prepared and mailed in accordance with the public noticing requirements of the Rico Land Use Code. The public notice letter was placed in the mail on 11/18/2020, which was 20 days prior to the public hearing(s) to be held on December 9th & December 16th, 2020. The list of property owners includes all lot and condominium property owners located within 200 feet of the boundary of the existing or proposed lot(s). The adjacent property owner list was compiled from the Dolores County GIS website or Assessors Office.

Attached is the copy of the noticing letter, list of all property owners noticed, including their lot number and mailing address, a copy of the vicinity map mailed with the noticing letter, and a map showing all lots that were included within the 200 foot noticing area.

I declare under penalty of perjury under the laws of the State of Colorado that the foregoing is true and correct.



Parcel Number	Owner Name		Mailing Address	City	State	Zip Code	Property Address
504736223021	MILLS ANNA LYNNE		P.O. BOX 324	RICO	CO	813320000	134 S. GLASGOW AVE.
504736223018	TEACHER BD, INC. MONEY PURCHASE	PENSION PLAN	280 WIGMORE DRIVE	PASADENA	CA	911050000	102 S. GLASGOW STREET
504736221002	RICO TOWN OF		P.O. BOX 56	RICO	CO	813320000	RIVERVIEW DR.
504736221003	HASLER JORY & ELIZABETH A.	STAFFORD (JT)	P.O. BOX 282	RICO	CO	813320000	137 S. RIVER STREET
504736222002	DOLORES COUNTY SCHOOL DIST RE-2		P.O. BOX 459	DOVE CREEK	CO	813240000	16 W. CAMPBELL STREET
504736222003	HOLT FAMILY TRUST	HOLT P. DUANE & JUDY L. TRUSTEES	P.O. BOX 30	GILA BEND	AZ	853370030	130 S. RIVER STREET
504736222004	HASLER JORY		P.O. BOX 282	RICO	CO	813320000	136 S. ARGENTINE STREET
504736222001	DOLORES COUNTY SCHOOL DIST RE-2		P.O. BOX 459	DOVE CREEK	CO	813240000	101 S. GLASGOW AVENUE
504736222009	RICO TOWN OF		P.O. BOX 56	RICO	CO	813320000	119 S. GLASGOW AVE
504736222013	RICO FIRE PROTECTION DISTRICT		P.O. BOX 39	RICO	CO	813320000	125 S. GLASGOW AVE
504736222014	RICO FIRE PROTECTION DISTRICT		P.O. BOX 39	RICO	CO	813320000	131 S. GLASGOW AVE
504736222005	YELLOWMAN LINDA & GENEVIEVE		P.O. BOX 36	RICO	CO	813320000	137 S. GLASGOW AVENUE
504736223017	UTE TRAIL MTN. HOMES, LLC.		952 GRETN GREEN WAY	LOS ANGELES	CA	900490000	102 S. GLASGOW STREET
504736223004	MORRIS ROBERT J. & JEAN ANN	MORRIS REVOCABLE LIVING TRUST	1907 SOUTH 14TH AVENUE	YUMA	AZ	853640000	110 S. GLASGOW AVE.
504736223015	PASQUINELLI GARY J. FAMILY TRUST	AGREEMENT	P.O. BOX 2949	YUMA	AZ	853662949	116 S. GLASGOW AVENUE
504736223007	RICO HOTEL, LLC, A DELAWARE LLC		565 MOUNTAIN VILLAGE BLVD.	TELLURIDE	CO	814350000	124 S. GLASGOW AVE



Town of Rico

Hasler

Dolores County School
District

Holt

Hasler

Dolores County School
District

Town of Rico

Rico Fire Protection
District

Rico Fire Protection
District

Yellowman

Ute Trail MTN.

Teacher

Morris

Pasquinelli

Rico Hotel, LLC

Mills

NOTICE OF PENDING MINOR VARIANCE APPLICATION

Date: November 12, 2020

RE: Public Hearing on Variance Application

Dear Property Owner,

You are receiving this public notice as required by the Town of Rico Land Use Code because you own property within 200 feet of a proposed variance application.

The application is for a Commnet project in partnership with AT&T to build a new 45' stealth flag pole next to the existing 33' stealth flag pole and then demolish the existing tower at 119 S. Glasgow Avenue. This will allow FirstNet to be added to the new stealth flag pole. The existing Commnet equipment will also be transferred from the existing tower to the new tower. The FirstNet network will provide first responders with priority access to wireless communications services on a single nationwide network, enabling increased coordination among first responder agencies and decreased response times throughout the Town of Rico. A variance is required for a tower that exceeds 35'.

Name of Applicant: SAC Wireless on Behalf of AT&T

Type of Development Application(s): Variance Application

Legal Description:

Location 119 S. GLASGOW AVE
WITHIN CORPORATE
Legal1 LIMITS FROM: RICO
PROPERTIES LLC
Legal2 RICO LTS 9,10,11,12 BLK
2 36-40-11
Legal3 B-65 P-587 B-71 P-30 B-
180 P-75-77
Legal4 B-193 P-340,351 B-233 P-
496,497
Legal5 B-238 P-312 B-266 P-
445,446B-276 P-497,498

Address: 119 S. Glasgow Avenue Rico, Colorado

Lot Size: +/- 101'-3" x 100'-0"

Review Authority: Rico Planning Commission and Rico Board of Trustees

Rico Planning Commission Hearing Date: December 9th, 2020

Board of Trustee's Hearing Date: December 16th, 2020

Location of Public Hearing: Rico Town Hall, 2 Commercial Street, Rico Colorado, 81332

Send emailed comments addressed to the townmanager@ricocolorado.gov

Or by surface mail to:

Kari Distefano

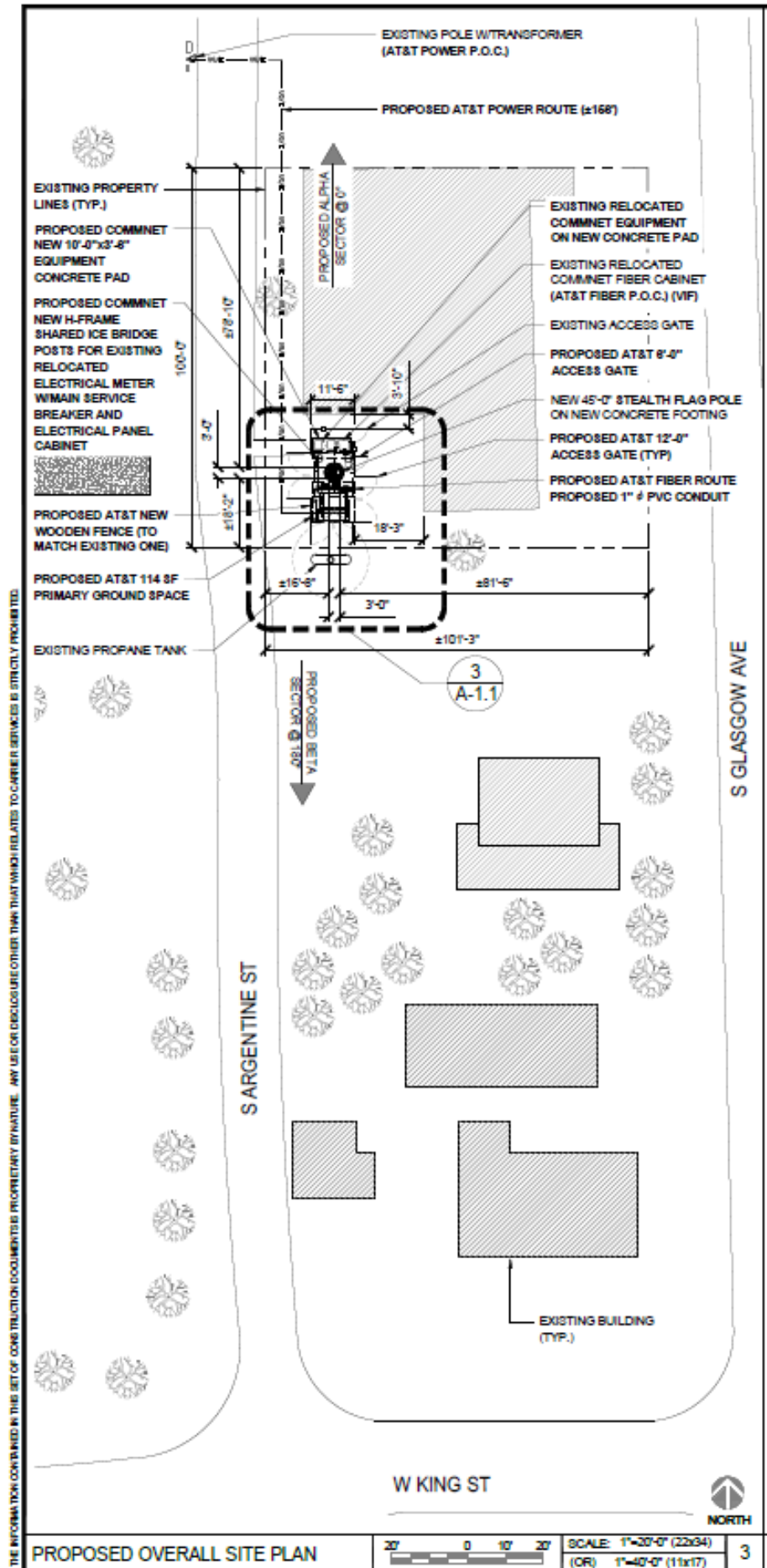
Town of Rico

PO Box 9

Rico Colorado, 81332

Please see map of the location on the next page

MAP



Doc 6.00

WARRANTY DEED

THIS DEED, dated March 1, 2004
between the Jerrie L. Matthews Akey and Robert H. Akey,
of the County of Dolores, State of Colorado, grantor and

the Rico Fire Protection District, a Colorado Municipal Corporation, whose legal
address is 2 Commercial Street, P.O. Box 39, Rico, CO 81332,
of the County of Dolores, State of Colorado, grantee:

STATE DOCUMENTARY FEE
DATE 3-16-04
\$ 6.00

WITNESS, that the grantor, for and in consideration of the sum of
SIXTY THOUSAND DOLLARS (\$60,000.00), the receipt and sufficiency of which is hereby acknowledged, has
granted, bargained, sold and conveyed, and by these presents does grant, bargain, sell, convey and confirm, unto the
grantee, heirs and assigns forever, all the real property, together with improvements, if any situate, lying and being
in the County of Dolores, State of Colorado, described as follows:

**Lots 13 and 14, Block 2, Town of Rico, according to the plat thereof filed for record in the office of the Clerk
and Recorder.**

also known by street and number as **TBD, Town of Rico, 81332**

TOGETHER with all and singular the hereditaments and appurtenances thereto belonging, or in anywise
appertaining, the reversion and reversions, remainder and remainders, rents, issues and profits thereof, and the
estate, right, title, interest, claim and demand whatsoever of the grantor, either in law or equity, of, in and to the
above bargained premises, with the hereditaments and appurtenances;

TO HAVE AND TO HOLD the said premises above bargained and described, with the appurtenances, unto the
grantee, heirs and assigns forever. The grantor, for seller, heirs and personal representatives, do covenant, grant,
bargain and agree to and with the grantee, heirs and assigns, that at the time of the ensealing and delivery of these
presents, is well seized of the premises above conveyed, has good, sure, perfect, absolute and indefeasible estate of
inheritance, in law, in fee simple, and has good right, full power and authority to grant, bargain, sell and convey the
same in manner and form as aforesaid, and that the same are free and clear from all former and other grants,
bargains, sales, liens, taxes, assessments, encumbrances and restrictions of whatever kind or nature soever.

The grantor shall and will **WARRANT AND FOREVER DEFEND** the above bargained premises in the quiet and
peaceable possession of the grantee, heirs and assigns, against all and every person or persons lawfully claiming the
whole or any part thereof.

IN WITNESS WHEREOF, the grantor has executed this deed on the date set forth above:

Jerrie L. Matthews Akey
Jerrie L. Matthews Akey

Robert H. Akey
Robert H. Akey

STATE OF Colorado }
COUNTY OF Montezuma } ss.

acknowledged the foregoing instrument before me this 1st day of March 2004 by Jerrie L. Matthews
and Robert H. Akey.

Witness my hand and official seal.

My commission expires: _____

(SEAL)

Gaylene James
Notary Public

GAYLENE JAMES
NOTARY PUBLIC
STATE OF COLORADO

My Commission Expires 07/06/2007

Heading=305°

Grid Size : 2' x 2'

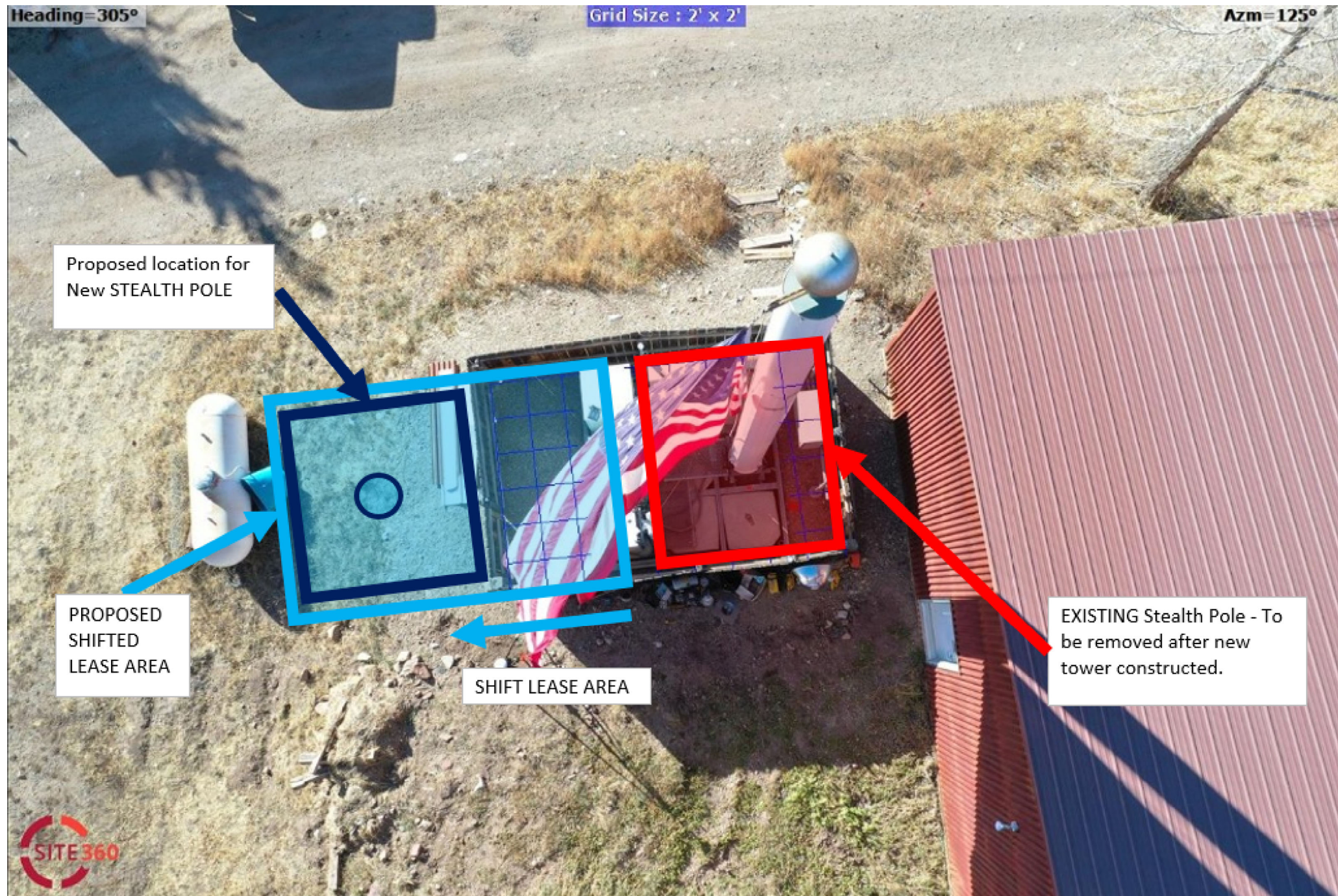
Azm=125°

Proposed location for
New STEALTH POLE

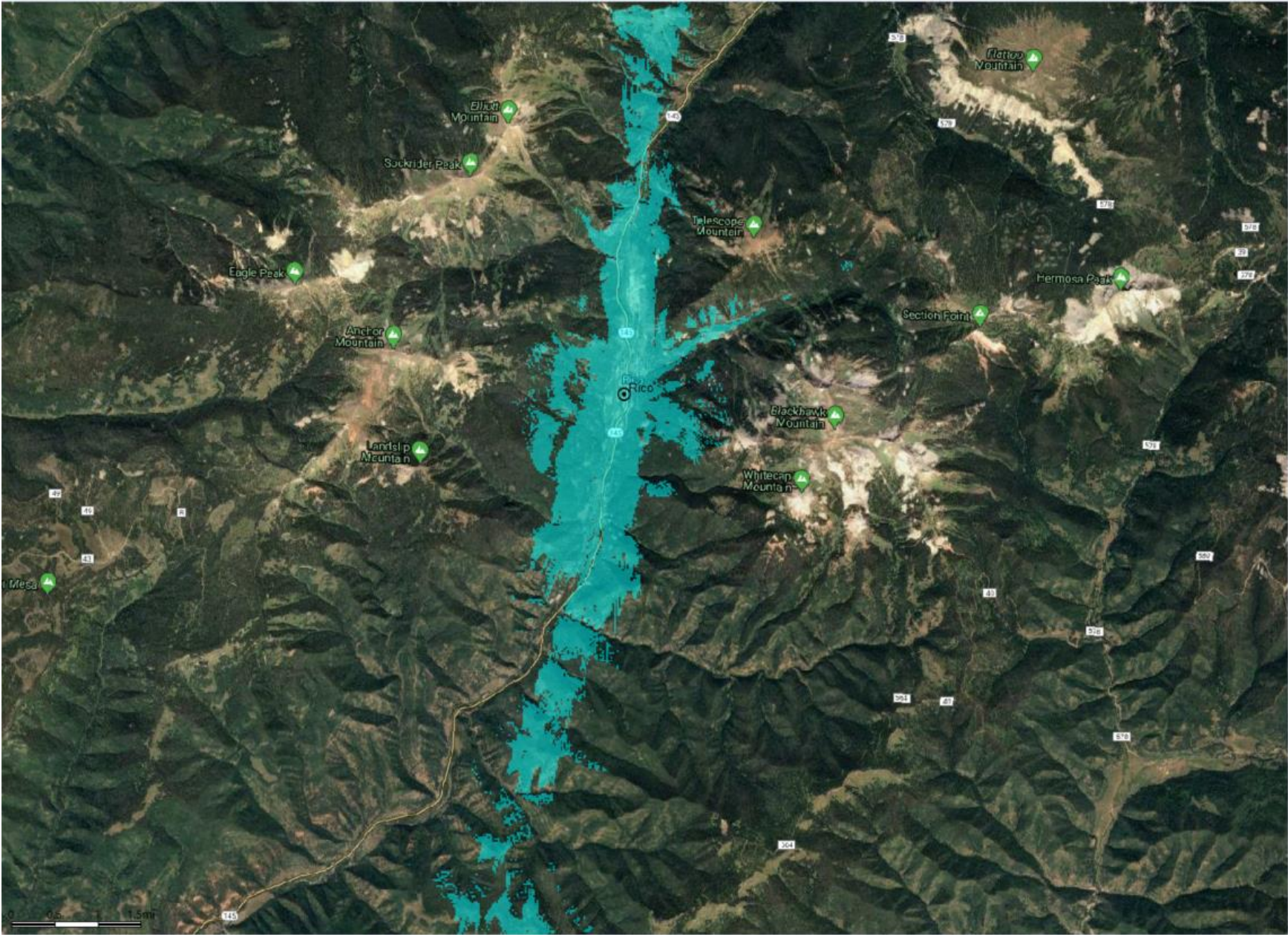
PROPOSED
SHIFTED
LEASE AREA

SHIFT LEASE AREA

EXISTING Stealth Pole - To
be removed after new
tower constructed.



Rico, CO
Existing Coverage
Commnet Wireless- 28ft Antenna Height
08/10/2020

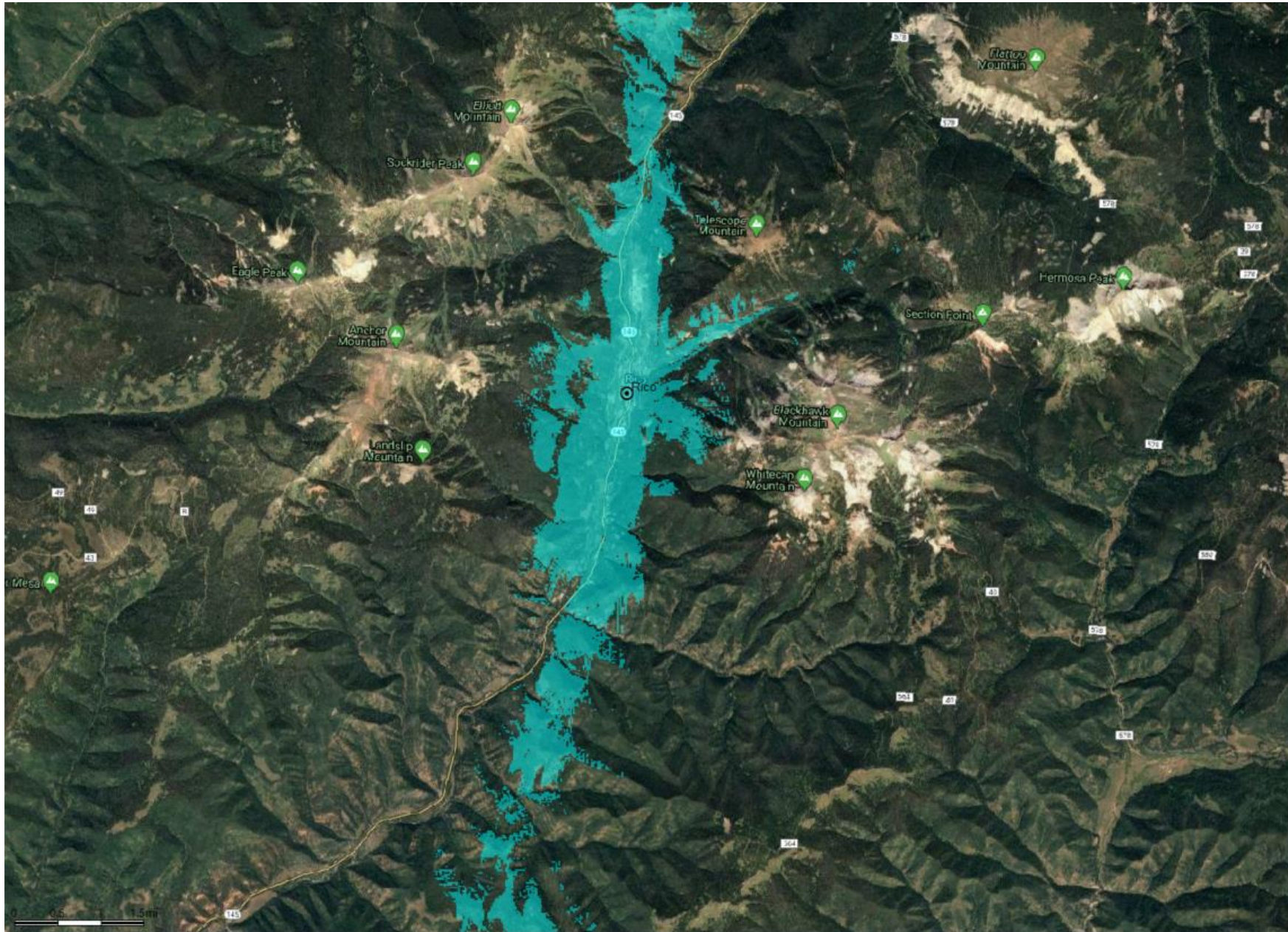


Rico, CO

Proposed Coverage

Commnet Wireless- 41ft Antenna Height, 45ft Tower Height

08/10/2020

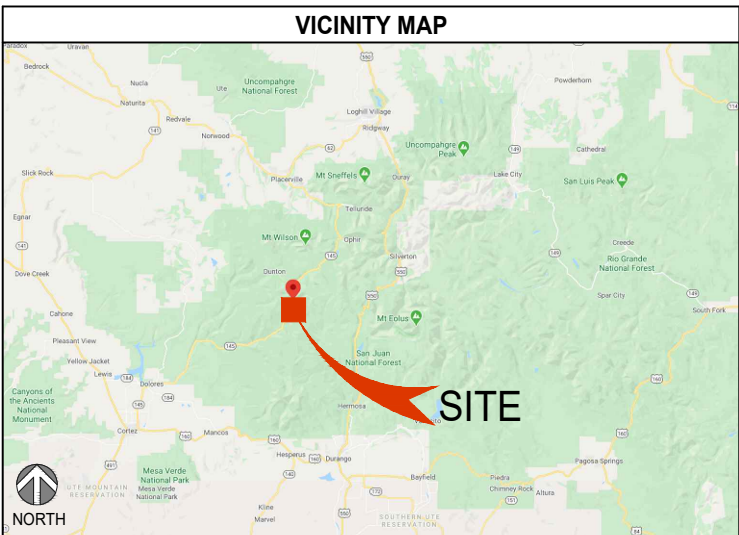



PROJECT: FIRSTNET
SITE NUMBER: NML02707A
FA #: 15061840
PACE #: MRANM032091
SITE NAME: RICO
ADDRESS: 119 S. GLASGOW AVE
RICO, CO 81332



PROJECT INFORMATION	
SITE NAME:	RICO
SITE NUMBER:	NML02707A
SITE ADDRESS:	119 S. GLASGOW AVE RICO, CO 81332
JURISDICTION:	CITY OF RICO
COUNTY:	DOLORES
TOWER OWNER:	COMMNET
LATITUDE:	37.690222
LONGITUDE:	-108.031889
CONSTRUCTION TYPE:	V-N
OCCUPANCY:	U
A.P.N. :	TBD
PROPOSED USE:	UNMANNED TELECOMMUNICATION FACILITY
PROPERTY OWNER:	THE RICO FIRE PROTECTION DISTRICT 119 S. GLASGOW AVE RICO, CO 81332
AT&T PROJECT MANAGER:	ANTHONY V. DROSI PROJECT MANAGER-ALTERNATE BUILD MODEL AT&T MOBILITY 7337 TRADE ST., RM 3684 SAN DIEGO, CA 92121-4202 OFFICE: (858) 886-1255 MOBILE: (858) 337-7968
APPLICANT:	SAC WIRELESS ON BEHALF OF AT&T PRESTON FORD PROJECT MANAGER- US MAJORS SAC WIRELESS 2810 S.ROOSEVELT ST. TEMPE, AZ 85282 623-256-2704 preston.ford@sacw.com www.sacw.com

PROJECT TEAM	
ARCHITECT: JOHN M. BANKS ARCHITECT JOHN BANKS 604 FOX GLEN BARRINGTON, IL 60010 CONTACT: JOHN BANKS PHONE: (847) 277-0070 EMAIL: jbanks@westchesterservices.com	CONSTRUCTION MANAGER: SAC WIRELESS WALTER RAYPOLE 10375 PARK MEADOWS DR STE 250 LONE TREE, CO 80124 PHONE: (719) 466-9629 EMAIL: wait.raypole@sacw.com
PLANNING/ZONING CONSULTANT: SAC WIRELESS PRESTON FORD PROJECT MANAGER- US MAJORS SAC WIRELESS 2810 S.ROOSEVELT ST. TEMPE, AZ 85282 623-256-2704 preston.ford@sacw.com www.sacw.com	





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SCOPE OF WORK
AT&T PROPOSES TO: <ul style="list-style-type: none">EXISTING 30'-0" FLAG POLE TO BE REMOVEDNEW 45'-0" STEALTH FLAG POLE ON NEW CONCRETE FOOTING TO BE INSTALLEDNEW WOODEN FENCE (TO MATCH THE EXISTING ONE)INSTALL (2) NEW AT&T PANEL ANTENNASINSTALL (2) NEW AT&T RADIOS (AHLBA)INSTALL (2) NEW AT&T RADIOS (AHFIB)INSTALL (2) NEW AT&T ANTENNA COLLAR MOUNT W/ MOUNTING PIPESINSTALL (1) NEW AT&T DC9 SURGE SUPPRESSORINSTALL (1) NEW AT&T DC12 SURGE SUPPRESSORINSTALL (1) NEW AT&T FIBER TRUNK 24 PAIR CABLEINSTALL (3) NEW AT&T DC TRUNK CABLESINSTALL (1) NEW AT&T DELTA 2-BAY EQUIPMENT CABINETINSTALL (1) NEW AT&T ICE-BRIDGEINSTALL (1) NEW AT&T 5'-6"x7'-1" CONCRETE EQUIPMENT PADINSTALL (2) NEW AT&T H-FRAMEINSTALL (1) NEW AT&T METER W/ MAIN SERVICE BREAKERINSTALL (1) NEW AT&T ELECTRICAL PANELINSTALL (1) NEW AT&T FIBER BOXINSTALL (1) NEW AT&T OUTDOOR GFCI OUTLET
COMMNET PROPOSES TO: <ul style="list-style-type: none">REMOVE EXISTING COMMNET METAL PLATFORM WITH CONCRETE BLOCKSREMOVE PART OF EXISTING COMPOUND FENCE AND EXPAND COMPOUND FENCED AREAINSTALL (1) PROPOSED COMMNET 3'-6"x10'-0" CONCRETE EQUIPMENT PADINSTALL (1) PROPOSED H-FRAME SHARED ICE BRIDGE POSTS FOR EXISTING RELOCATED EQUIPMENTSINSTALL (1) PROPOSED COMMNET FTTA BOXRELOCATE (4) EXISTING COMMNET RADIOSRELOCATE EXISTING COMMNET ANTENNAS ON NEW STEALTH FLAG POLE, PER PLANRELOCATE EXISTING COMMNET EQUIPMENT CABINETS ON NEW CONCRETE PAD, PER PLANRELOCATE (2) EXISTING COMMENT H-FRAME W/EXISTING EQUIPMENT, PER PLAN

DRIVING DIRECTIONS
DIRECTIONS FROM DURANGO-LA PLATA COUNTY AIRPORT: <ol style="list-style-type: none">HEAD NORTH ON AIRPORT RD TOWARD CO-172 S, TURN LEFT ONTO CO-172 NTURN LEFT ONTO US-160 W, KEEP LEFTTURN LEFT AT THE 1ST CROSS STREET ONTO US-160 WTURN RIGHT ONTO CO-184 W/N MAIN STCONTINUE TO FOLLOW CO-184 WTURN RIGHT ONTO CO-145 N,TURN LEFT ONTO W KING STTURN RIGHT ONTO S ARGENTINE ST, DESTINATION WILL BE ON THE RIGHT
LEGAL DESCRIPTION
LOTS 13 AND 14, BLOCK 2, TOWNSHIP OF RICO, ACCORDING TO THE PLAT THEREOF FILED FOR RECORD SEPTEMBER 13, 1979 IN BOOK 7 AT PAGE 11.

SPECIAL NOTES
<div><div><ol style="list-style-type: none">ALL WORK SHALL BE INSTALLED IN CONFORMANCE WITH CURRENT CARRIER CONSTRUCTION INSTALLATION GUIDE.EXISTING CONDITIONS WILL BE VERIFIED IN FIELD. IF SIGNIFICANT DEVIATIONS OR DETERIORATION ARE ENCOUNTERED AT THE TIME OF CONSTRUCTION, A REPAIR PERMIT WILL BE OBTAINED & CONTRACTOR SHALL NOTIFY ARCHITECT OR ENGINEER OF RECORD IMMEDIATELY.CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER OF</div><div><p>RECORD IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR THE SAME.</p><ol style="list-style-type: none">THESE DRAWINGS ARE FULL SIZE & SCALEABLE ON 22"x34" SHEET SIZE & ARE NOT REDUCED IN SIZE.STATEMENT THAT COMPLIANCE WITH THE ENERGY CODE IS NOT REQUIRED. -SCOPE OF WORK DOES NOT INVOLVE MODIFICATIONS TO EXTERIOR ENVELOPE OF BUILDING, HVAC SYSTEMS OR ELECTRICAL LIGHTING.</div></div>

DRAWING INDEX	
SHEET	DESCRIPTION
T-1.0	TITLE SHEET
T-2.0	GENERAL NOTES
T-3.0	AT&T SECTOR COLOR CODE
T-3.1	COMMNET SECTOR COLOR CODE
A-1.0	OVERALL SITE PLAN
A-1.1	SITE PLAN
A-2.0	AT&T PROPOSED ANTENNA & EQUIPMENT PLANS
A-2.1	COMMNET PROPOSED ANTENNA & EQUIPMENT PLANS
A-3.0	EXISTING & PROPOSED ELEVATIONS
A-4.0	AT&T EQUIPMENT DETAILS & SPECIFICATIONS
A-4.1	AT&T EQUIPMENT DETAILS & SPECIFICATIONS
A-4.2	AT&T EQUIPMENT DETAILS & SPECIFICATIONS
A-4.3	AT&T EQUIPMENT DETAILS & SPECIFICATIONS
A-4.4	COMMNET EQUIPMENT DETAILS & SPECIFICATIONS
A-4.5	COMMNET EQUIPMENT DETAILS & SPECIFICATIONS
A-4.6	COMMNET EQUIPMENT DETAILS & SPECIFICATIONS
E-1.0	AT&T 1-LINE DIAGRAM & SYMBOLS KEY
E-1.1	COMMNET 1-LINE DIAGRAM & SYMBOLS KEY
G-1.0	AT&T EQUIPMENT & ANTENNA GROUNDING PLANS
G-1.1	COMMNET EQUIPMENT & ANTENNA GROUNDING PLANS
G-2.0	GROUNDING NOTES & DETAILS
NOT FOR CONSTRUCTION UNLESS APPROVED BY JURISDICTION	

GENERAL NOTES
THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.
DO NOT SCALE DRAWINGS
CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER OF RECORD IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR THE SAME.
PROJECT NOTES
FCC: EVERY WIRELESS TELECOMMUNICATIONS FACILITY SHALL MEET THE REGULATIONS OF THE FCC REGARDING PHYSICAL AND ELECTROMAGNETIC INTERFERENCE. THE ONLY SIGNAGE WHICH IS PERMITTED IS THAT WHICH IS REQUIRED BY STATE OR FEDERAL LAW.
CODE COMPLIANCE
<ul style="list-style-type: none">2018 INTERNATIONAL BUILDING CODE2017 NATIONAL ELECTRICAL CODE2018 INTERNATIONAL MECHANICAL CODE2018 INTERNATIONAL FIRE CODE



REVISIONS			
REV	DATE	DESCRIPTION	INITIALS
E	07/28/20	90% CD FOR REVIEW	YH
F	09/09/20	90% CD FOR REVIEW	YH
G	09/22/20	90% CD FOR REVIEW	YH
H	11/03/20	90% CD FOR REVIEW	YH
I	11/03/20	90% CD FOR REVIEW	YH
J	11/11/20	90% CD FOR REVIEW	DWM

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME AND UNDER MY DIRECT SUPERVISION AND THAT I AM DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF COLORADO"

FIRSTNET
RICO
NML02707A
119 S. GLASGOW AVE
RICO, CO 81332

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1.0

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.

GENERAL NOTES:

- THIS FACILITY IS EXEMPT FROM ACCESSIBILITY REQUIREMENTS PER COLORADO/INTERNATIONAL BUILDING CODE SECTION 11B-203.5. THIS FACILITY IS NON-OCCUPIABLE SPACE AND ENTERED ONLY BY SERVICE PERSONNEL.
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL BUILDING CODE, THE LATEST EDITION AND ALL OTHER APPLICABLE CODES AND ORDINANCES.
- CONTRACTOR SHALL CONSTRUCT SITE IN ACCORDANCE WITH THESE DRAWINGS AND CONSTRUCTION SPECIFICATIONS. THE SPECIFICATION IS THE RULING DOCUMENT AND ANY DISCREPANCIES BETWEEN THE SPECIFICATION AND THESE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER OF RECORD PRIOR TO PROCEEDING WITH CONSTRUCTION.
- CONTRACTOR SHALL VISIT THE JOB SITE AND SHALL FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PREVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFORMING THAT THE WORK MAY BE ACCOMPLISH AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER OF RECORD PRIOR TO THE COMMENCEMENT OF WORK. NO COMPENSATION WILL BE AWARDED BASED ON CLAIM OF LACK OF KNOWLEDGE OF FIELD CONDITIONS.
- 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.
- 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.
- DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
- CONTRACTOR SHALL 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 DOCUMENT.
- 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.
- 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.
- CONTRACTOR SHALL COORDINATE HIS WORK WITH THE SUPERINTENDENT OF THE BUILDING & GROUNDS & SCHEDULE HIS ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS.
- 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.
- INSTALL ALL EQUIPMENT AND MATERIAL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SURFACE, EQUIPMENT, IMPROVEMENTS, PIPING, ETC. AND IMMEDIATELY REPAIR ANY DAMAGE THAT OCCURS DURING CONSTRUCTION.
- IN DRILLING HOLES INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS, ETC., IT 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.
- REPAIR ALL EXISTING WALL SURFACE DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND IN WITH ADJACENT SURFACE.
- SEAL PENETRATION THROUGH FIRE RATED AREAS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS.
- 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 CONDITIONS AND FREE FROM PAINT SPOT, DUST, OR SMUDGES OF ANY NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.
- MINIMUM BEND RADIUS OF ANTENNA CABLE SHALL BE IN ACCORDANCE WITH CABLE MANUFACTURER'S RECOMMENDATIONS.
- 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.
- ALL CONSTRUCTION IS TO ADHERE TO AT&T'S INTEGRATED CONSTRUCTION STANDARDS UNLESS COLORADO CODE IS MORE STRINGENT.
- THE INTENT OF THE PLANS AND SPECIFICATIONS IS TO PERFORM THE CONSTRUCTION IN ACCORDANCE WITH THE COLORADO BUILDING STANDARDS CODE. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE APPROVED PLANS AND SPECIFICATIONS WHEREIN THE FINISH WORK WILL NOT COMPLY WITH THE REFERENCED CODE ON SHEET T-1.0, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE JURISDICTION BEFORE PROCEEDING WITH THE WORK.
- GENERAL CONTRACTOR TO ENSURE THAT ALL BUILDING PENETRATIONS ARE SEALED AND WEATHERPROOFED

SITE WORK NOTES:

- DO NOT SCALE BUILDING DIMENSIONS FROM DRAWINGS.
- 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 OR ENGINEER OF RECORD AT COMPLETION OF PROJECT.
- ALL EXISTING UTILITIES, FACILITIES, CONDITIONS AND THEIR DIMENSIONS SHOWN ON PLANS HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT OR ENGINEER OF RECORD AND OWNER ASSUME NO 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 WORK SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
- CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES BOTH HORIZONTAL AND VERTICALLY PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT OR ENGINEER OF RECORD FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT OR ENGINEER OF RECORD. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE. CONTRACTOR SHALL CALL LOCAL DIGGER HOT LINE FOR UTILITY LOCATIONS 48 HOURS PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR SHALL CLEAN ENTIRE SITE AFTER CONSTRUCTION SUCH THAT NO PAPER, TRASH, WEEDS, BRUSH OR ANY OTHER DEPOSITS WILL REMAIN. ALL MATERIALS COLLECTED DURING CLEANING OPERATIONS SHALL BE DISPOSED OF OFF-SITE BY THE GENERAL CONTRACTOR.

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

PAINTING NOTES & SPECIFICATIONS:

A. GENERAL

- ALL PAINT PRODUCT LINES SHALL BE SHERWIN WILLIAMS UNLESS SPECIFICALLY NOTED OTHERWISE.
- CONTRACTOR SHALL PREPARE ALL SURFACES AND APPLY ALL FINISHES PER LATEST EDITION OF MANUFACTURER'S SPECIFICATIONS.
- COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS REGARDING SUFFICIENT DRYING TIME BETWEEN COATS WITH PROVISIONS AS RECOMMENDED BY MANUFACTURER FOR EXISTING WEATHER CONDITIONS.
- FINISH COLOR AND TEXTURE OF ALL PAINTED SURFACES SHALL MATCH EXISTING ADJACENT SURFACES UNLESS OTHERWISE NOTED.
- ALL PAINT MATERIAL DATA SHEETS SHALL BE PROVIDED TO THE AT&T CONSTRUCTION MANAGER.
- PREPARE PREVIOUSLY PAINTED SURFACE BY LIGHT SANDING WITH 400 GRIT SANDPAPER AND NON-HYDROCARBON WASH. PREPARE GALVANIZED SURFACES BY ACID ETCH OR SOLVENT CLEANING IN ACCORDANCE WITH SSPC-SP1.
- FURNISH DROP CLOTHES, SHIELDS, MASKING AND PROTECTIVE METHODS TO PREVENT SPRAY OR DROPPINGS FROM DAMAGING ADJACENT SURFACES AND FACILITIES.
- APPLY PAINT BY AIRLESS SPRAY, SANDING LIGHTLY BETWEEN EACH SUCCEEDING ENAMEL COAT ON FLAT SURFACES. APPLY MATERIAL TO ACHIEVE A COATING NO THINNER THAN THE DRY FILM THICKNESS INDICATED.
- APPLY BLOCK FILTER TO CONCRETE BLOCK CONSTRUCTION AT A RATE TO ENSURE COMPLETE COVERAGE WITH PORES COMPLETELY FILLED.
- CONTRACTOR SHALL CORRECT RUNS, SAGS, MISSES AND OTHER DEFECTS INCLUDING INADEQUATE COVERAGE AS DIRECTED BY THE AT&T CONSTRUCTION MANAGER. REPAINT AS NECESSARY TO ACHIEVE SURFACES WHICH ARE SMOOTH, EVENLY COATED WITH UNIFORM SHEEN AND FREE FROM BLEMISHES.

B. COATING SYSTEM SPECIFICATIONS

- DTM ACRYLIC COATING (SERIES B66) BY SHERWIN WILLIAMS CO. 1ML DFT PER COAT APPLIED IN TWO COATS OVER DTM BONDING PRIMER (B66A50).
- 100% ACRYLIC, LATEX COATING EQUIVALENT TO A-100 (SERIES A-82) BY SHERWIN WILLIAMS CO. 1 DFT PER COAT APPLIED IN TWO COATS OVER SPECIFIED PRIMER. PAINT & PRIMER

ANTENNAS - PAINT SHALL BE VERIFIED WITH MANUFACTURER IF ACCEPTABLE
PRIMER - KEM AQUA E61-W525
TOPCOAT - COROTHANE II B65W200/B60V22

BTS CABINET
PRIMER - KEM AQUA E61-W525
TOPCOAT - COROTHANE II B65W200/B60V22
COAXIAL JUMPER CABLES

PRIMER - AS REQUIRED FOR ADHESION. APPLY ONE COAT OF KEM AQUA WATER REDUCIBLE PRIMER E61W25 REDUCED 25%
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

RAW STEEL
PRIMER - KEM BOND HS B50WZ4, DMT ACRYLIC PRIMER
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

GALVANIZED METAL
ACID ETCH WITH COMMERCIAL ETCH OR VINEGAR PRIMER COAT AND FINISH COAT (GALVITE HIGH SOLIDS OR DTM PRIMER/FINISH)

STAINLESS STEEL
PRIMER - OTM WASH PRIMER, B71Y1
TOPCOATS - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

PRE-PRIMED STEEL
TOUCH UP ANY RUST OR UN-PRIMED STEEL WITH KEM BOND HS, SS0WZ4

ALUMINUM & COPPER
PRIMER - DTM WASH PRIMER, B71Y1
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

CONCRETE MASONRY
PRIMER - PRO MAR EXTERIOR BLOCK FILLER
TOPCOAT - 2 COATS A-100 LATEX HOUSE & TRIM, SHEEN TO MATCH

CONCRETE STUCCO (EXISTING)
2 COATS A-100 LATEX HOUSE & TRIM, SHEEN TO MATCH

STUCCO
PRIMER - PRO MAR MASONRY CONDITIONED B-46 W21000
TOPCOAT - SUPERPAINT A-80 SERIES A-89 SATIN A-84 GLOSS

WOOD
PRIMER - A-100 EXTERIOR ALKYD W009D PRIMER Y-24W20
TOPCOAT - 2 COATS A-100 LATEX HOUSE & TRIM SHEEN TO MATCH ADJACENT SURFACES

FIELD CUTS/ DAMAGE (PRIOR TO PRIME & PAINT)
FIRST & SECOND COAT - CUPRINOL CLEAR WOOD PRESERVATIVE #158-0356 ALL PENETRATIONS INTO FINISHED GLU-LAMS SHALL BE CAULKED WITH "SIKAFLEX" SEALANT
STEEL TOUCH UP
STEEL THAT HAS BEEN WELDED, CUT OR SCRATCHED IN THE FIELD SHALL BE TOUCHED UP WITH COLD GALVANIZED PAINT.

GROUNDING NOTES:

- COMPRESSION CONNECTIONS (2), 2 AWG BARE TINNED SOLID COPPER CONDUCTORS TO GROUNDING BAR. ROUTE CONDUCTORS TO BURIED GROUNDING RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
- ALL HARDWARE 18-8 STAINLESS STEEL, INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING. ALL HARDWARE SHALL BE STAINLESS STEEL 3/8 INCH DIAMETER OR LARGER.
- FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.

- NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUNDING BAR AND BOLTED ON THE BACK SIDE.
- NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATION, AND CONNECTION ORIENTATION. PROVIDE AS REQUIRED.
- ALL ELECTRICAL AND GROUNDING AT THE CELL SITE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 780 (LATEST EDITION), COLORADO BUILDING STANDARDS AND MANUFACTURER.

FIRE DEPARTMENT NOTES:

- IF FIRE DEPARTMENT FINAL INSPECTION IS REQUIRED, SCHEDULE INSPECTION 2 DAYS IN ADVANCE.
- A COLORADO/INTERNATIONAL FIRE CODE PERMIT TO OPERATE BATTERY SYSTEMS WITH STATIONARY LEAD-ACID BATTERIES IS NOT REQUIRED FOR THE QUANTITIES ON SITE.
- A COLORADO/INTERNATIONAL FIRE CODE PERMIT MAY BE REQUIRED FOR THE HAZARDOUS MATERIALS ON SITE.
- REQUIRED SIGNAGE SHALL INCLUDE LETTERING HEIGHT OF AT LEAST ONE INCH, IN A COLOR THAT CONTRASTS TO THE SIGN BACKGROUND, AND SHALL BE PROMINENTLY DISPLAYED.
- AN APPROVED METHOD TO NEUTRALIZE SPILLED ELECTROLYTE SHALL BE PROVIDED IN THE BATTERY ROOM.
- BATTERIES SHALL BE PROVIDED WITH SAFETY VENTING CAPS.
- CONTRACTOR SHALL VERIFY IN FIELD THE EXISTENCE OR INSTALLATION OF A FIRE EXTINGUISHER WITH A MINIMUM RATING OF 2A-10BC, WITH A CHARGE STATUS ACCEPTABLE TO THE LOCAL FIRE AUTHORITY HAVING JURISDICTION.
- LOCATIONS AND CLASSIFICATIONS OF EXTINGUISHERS SHALL BE IN ACCORDANCE WITH THE COLORADO INTERNATIONAL FIRE CODE STANDARD 10-1 AND PLACEMENT IS SUBJECT TO APPROVAL OF THE COUNTY BUILDING FIRE INSPECTOR.
- STORAGE, DISPENSING OR USE OF ANY FLAMMABLE AND COMBUSTIBLE LIQUIDS, FLAMMABLE AND COMPRESSED GASES, AND OTHER HAZARDOUS MATERIALS SHALL COMPLY WITH UNIFORM FIRE CODE REGULATIONS.
- EXIT DOORS SHALL BE ABLE TO OPEN FROM THE INSIDE WITHOUT THE USE OF KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
- ADDRESS NUMBERS SHALL BE A MINIMUM 6 INCHES HIGH AND PLAINLY VISIBLE FROM ROADWAY BUILDING IS ADDRESSED ON.
- ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE CONSTRUCTED SO AS TO MAINTAIN AN EQUAL OR GREATER FIRE RATING.
- DECORATIVE MATERIALS SHALL BE MAINTAINED IN A FLAME-RETARDANT CONDITION. [COLORADO/INTERNATIONAL FIRE CODE 807.3]

CONCRETE:

PART 1 - GENERAL

- WORK INCLUDES FORMWORK, REINFORCEMENT, ACCESSORIES, CAST-IN-PLACE CONCRETE, FINISHING, AND CURING.
- INSPECTIONS
 - CONTRACTOR IS RESPONSIBLE FOR SCHEDULING BUILDING DEPARTMENT INSPECTIONS REQUIRED FOR THE SCOPE OF WORK BEING PERFORMED.
 - ALL REINFORCING STEEL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND UPLOADED TO TALON VIEW FOR APPROVAL.
- QUALITY ASSURANCE
 - CONSTRUCT AND ERECT CONCRETE FORM WORK IN ACCORDANCE WITH ACI 301 AND ACI 318.
 - PERFORM CONCRETE REINFORCING WORK IN ACCORDANCE WITH ACI 301, ACI 318, AND ASTM A184.
 - PERFORM CAST-IN-PLACE CONCRETE WORK IN ACCORDANCE WITH ACI 301, ACI 318, AND ACI 117-90.
- SUBMITTALS
SUBMIT CONCRETE MIX DESIGN AND REINFORCING STEEL SHOP DRAWINGS FOR APPROVAL BY AT&T CONSTRUCTION MANAGER. THE SHOP DRAWINGS SHALL BE SUBMITTED IN THE FORM OF TWO (2) CONCRETE MIX DESIGN INFORMATION SHEETS AND TWO (2) DRAWINGS FOR REINFORCING STEEL.

PART 2 - PRODUCTS

- REINFORCEMENT MATERIALS
 - REINFORCEMENT STEEL, ASTM A615, 60KSI YIELD GRADE, REINFORCING STEEL RODS, PLAIN FINISH.
 - WELDED STEEL WIRE FABRIC ASTM A185 PLAIN TYPE, IN FLAT SHEETS, PLAIN FINISH.
 - CHAIRS, BOLSTERS, BAR SUPPORTS, SPACERS, SIZED AND SHAPED FOR SUPPORTS OF REINFORCING.
 - FABRICATE CONCRETE REINFORCING IN ACCORDANCE WITH ACI 315, AND ACI 318, AND ASTM A184.
- CONCRETE MATERIALS
 - CEMENT: ASTM C150, PORTLAND TYPE.
 - FINE AND COURSE AGGREGATES: ASTM C33 - MAXIMUM SIZE OF CONCRETE AGGREGATE SHALL NOT EXCEED ONE (3/4) INCH SIZE SUITABLE FOR INSTALLATION METHODS UTILIZED FOR ONE-THIRD CLEAR DISTANCE BEHIND OR BETWEEN REINFORCING.
 - WATER: CLEAN AND NOT DETRIMENTAL TO CONCRETE.
 - AIR ENTRAINING ADMIXTURE: ASTM C260.
- CONCRETE MIX
 - CONCRETE MATERIALS SHALL CONFORM TO THE APPROPRIATE A.C.I. REQUIREMENTS FOR EXPOSED STRUCTURAL CONCRETE.
 - MIX AND DELIVER CONCRETE IN ACCORDANCE WITH ASTM C94, ALT. 3.
 - PROPORTIONS OF CONCRETE MATERIALS SHALL BE SUITABLE FOR THE INSTALLATION METHOD UTILIZED AND SHALL RESULT IN DURABLE CONCRETE FOR LOCAL ANTICIPATED AGGRESSIVE ACTIONS. THE DURABILITY REQUIREMENTS OF ACI 318 CHAPTER F4 SHALL BE SATISFIED BASED ON THE CONDITIONS EXPECTED AT THE SITE. PROVIDE CONCRETE AS FOLLOWS:

- COMPRESSIVE STRENGTH 4000 PSI AT 28 DAYS. SLUMP : 3 INCHES.

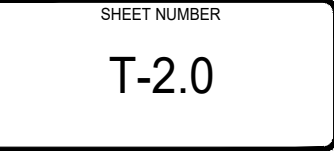
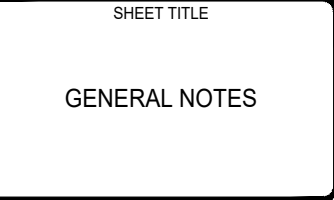
REFERENCED DOCUMENTS:

- CONSTRUCTION DRAWINGS:** 11/22/2019 BY: B+T GROUP
- SCOPE OF WORK:** 12/17/2019 (DATE OF REFERENCE SPREADSHEET)
- SITE VISIT:** 11/12/2019



REVISIONS			
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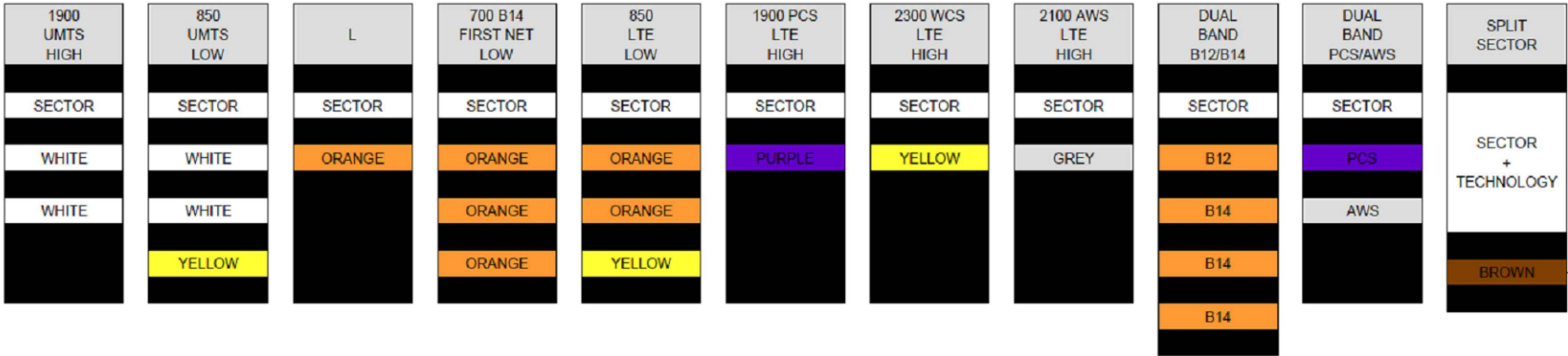
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DSW (DESERT SOUTHWEST)

SECTOR COLORS



TECHNOLOGY COLOR CODE



COLOR CODE REPRESENTS ALPHA SECTOR, FIRST MAIN LINE - RED 1, WITH LTE700, WCS, AWS, PCS

1 BROWN STRIPE = SPLIT SECTOR

TECHNOLOGY/JUMPER								QUADPLEXER PORT	TAPE BAND COLOR ON MAINLINE COAX									
1C-LTE 700 TX1/RX1	PORT1	SECTOR					SPLIT	LTE LOW 700 B12	1									
WCS TX1/RX1	PORT2	SECTOR						WCS	4									
2C/6C-AWS TX1/RX1	PORT3	SECTOR						AWS	3									
2C/5C-PCS TX1/RX1	PORT4	SECTOR						PCS	2									
1C-LTE 700 TX2/RX2	PORT1	SECTOR	SECTOR					LTE LOW 700 B12	1									
WCS TX2/RX2	PORT2	SECTOR	SECTOR					WCS	4									
2C/6C-AWS TX2/RX2	PORT3	SECTOR	SECTOR					AWS	3									
2C/5C-PCS TX2/RX2	PORT4	SECTOR	SECTOR					PCS	2									
FIRST NET-LTE 700 TX1/RX1	PORT1	SECTOR	SECTOR	SECTOR				LTE LOW 700 B12	1									
WCS TX3/RX3	PORT2	SECTOR	SECTOR	SECTOR				WCS	4									
2C/6C-AWS TX3/RX3	PORT3	SECTOR	SECTOR	SECTOR				AWS	3									
2C/5C-PCS TX3/RX3	PORT4	SECTOR	SECTOR	SECTOR				PCS	2									
FIRST NET-LTE 700 TX2/RX2	PORT1	SECTOR	SECTOR	SECTOR	SECTOR			LTE LOW 700 B12	1									
WCS TX4/RX4	PORT2	SECTOR	SECTOR	SECTOR	SECTOR			WCS	4									
2C/6C-AWS TX4/RX4	PORT3	SECTOR	SECTOR	SECTOR	SECTOR			AWS	3									
2C/5C-PCS TX4/RX4	PORT4	SECTOR	SECTOR	SECTOR	SECTOR			PCS	2									

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SAN DIEGO, CA 92122
www.sacw.com

604 FOX GLEN
BARRINGTON, IL 60010
TELEPHONE: 847.277.0070
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SHEET TITLE

AT&T
SECTOR COLOR CODE

SHEET NUMBER

T-3.0

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COMMNET COLOR CODE

Cable Color Code Schedule

Technology	Cable Type	Tape Color	Comments		
LTE	Power Trunk	1 Orange Wrap	Additional Power or Fiber Trunks for LTE, Add 1 Additional Wrap		
LTE	Fiber Trunk	1 Orange Wrap			
GSM/UMTS	Power Trunk	1 Yellow Wrap	Additional Power or Fiber Trunks for GSM/UMTS, Add 1 Additional Wrap		
GSM/UMTS	Fiber Trunk	1 Yellow Wrap			
CDMA/EVDO	Power Trunk	1 Green Wrap	Additional Power or Fiber Trunks for CDMA, Add 1 Additional Wrap		
CDMA/EVDO	Fiber Trunk	1 Green Wrap			
UMTS	Power Trunk	1 Purple Wrap	Additional Power or Fiber Trunks for UMTS, Add 1 Additional Wrap		
UMTS	Fiber Trunk	1 Purple Wrap			
EVDO	Power Trunk	1 White Wrap	Additional Power or Fiber Trunks for DO, Add 1 Additional Wrap		
EVDO	Fiber Trunk	1 White Wrap			
Technology	Cable Type	Tape Color	Comments		
LTE	Power Jumper	1 Orange + Freq+Sector			
LTE	Fiber Jumper	1 Orange + Freq+Sector			
GSM/UMTS	Power Jumper	1 Yellow + Freq+Sector			
GSM/UMTS	Fiber Jumper	1 Yellow + Freq+Sector			
CDMA/EVDO	Power Jumper	1 Green + Freq+Sector			
CDMA/EVDO	Fiber Jumper	1 Green + Freq+Sector			
UMTS	Power Jumper	1 Purple + Freq+Sector			
UMTS	Fiber Jumper	1 Purple + Freq+Sector			
EVDO	Power Jumper	1 White + Freq+Sector			
EVDO	Fiber Jumper	1 White + Freq+Sector			
Frequency	Color		Technology	Cable Type	Tape Color
700	Black/Blank		LTE	RET	1 Orange + Sector (additional sector wrap for each additional RET cable, first wrap starts at the RRU)
850	Grey		GSM/UMTS	RET	1 Yellow + Sector (additional sector wrap for each additional RET cable, first wrap starts at the RRU)
1900	Brown		CDMA/EVDO	RET	1 Green + Sector (additional sector wrap for each additional RET cable, first wrap starts at the RRU)
			UMTS	RET	1 Purple + Sector (additional sector wrap for each additional RET cable, first wrap starts at the RRU)
			EVDO	RET	1 White + Sector (additional sector wrap for each additional RET cable, first wrap starts at the RRU)
Sector	Cable Type	Color			
X	Coax Jumper	Red			
Y	Coax Jumper	White			
Z	Coax Jumper	Blue			


RRU P/N Code (Located on RRU tag)	
129555731012	ZXSDR R8882 S8500(B6B) 850 CDMA<E dual mode
129555731009	ZXSDR R8882 S8500 (B6A) 850 standard CDMA only
129555731011	ZXSDR R8882 S1900(B6B) 1900 CDMA<E dual mode
129555731010	ZXSDR R8882 S1900 (B5A) 1900 standard CDMA only

129555731037	850 CDMA R8882	New Single Mode
129555731035	1900 CDMA R8882	New Single Mode


129555731023	ZXSDR R8882 S8500(B6B) - 850 GSM/UMTS
129555731024	ZXSDR R8882 S1900(B6B) - 1900 GSM/UMTS

Example: Color Code for LTE for 700 MHz Power or Fiber Trunk - 1 Orange Wrap, 1 Black or Leave Blank (cable color is already black)


Example: Color Code for GSM/UMTS for 850 MHz Power or Fiber Trunk- 1 Yellow Wrap, 1 Grey



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5015 SHOREHAM PLACE, SUITE 150
SAN DIEGO, CA 92122
www.sacw.com



604 FOX GLEN
BARRINGTON, IL 60010
TELEPHONE: 847.277.0070
FAX : 847.277.0080
ae@westchesterservices.com

JOHN M. BANKS
ARCHITECT
604 FOX GLEN
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TELEPHONE: 847-277-0070
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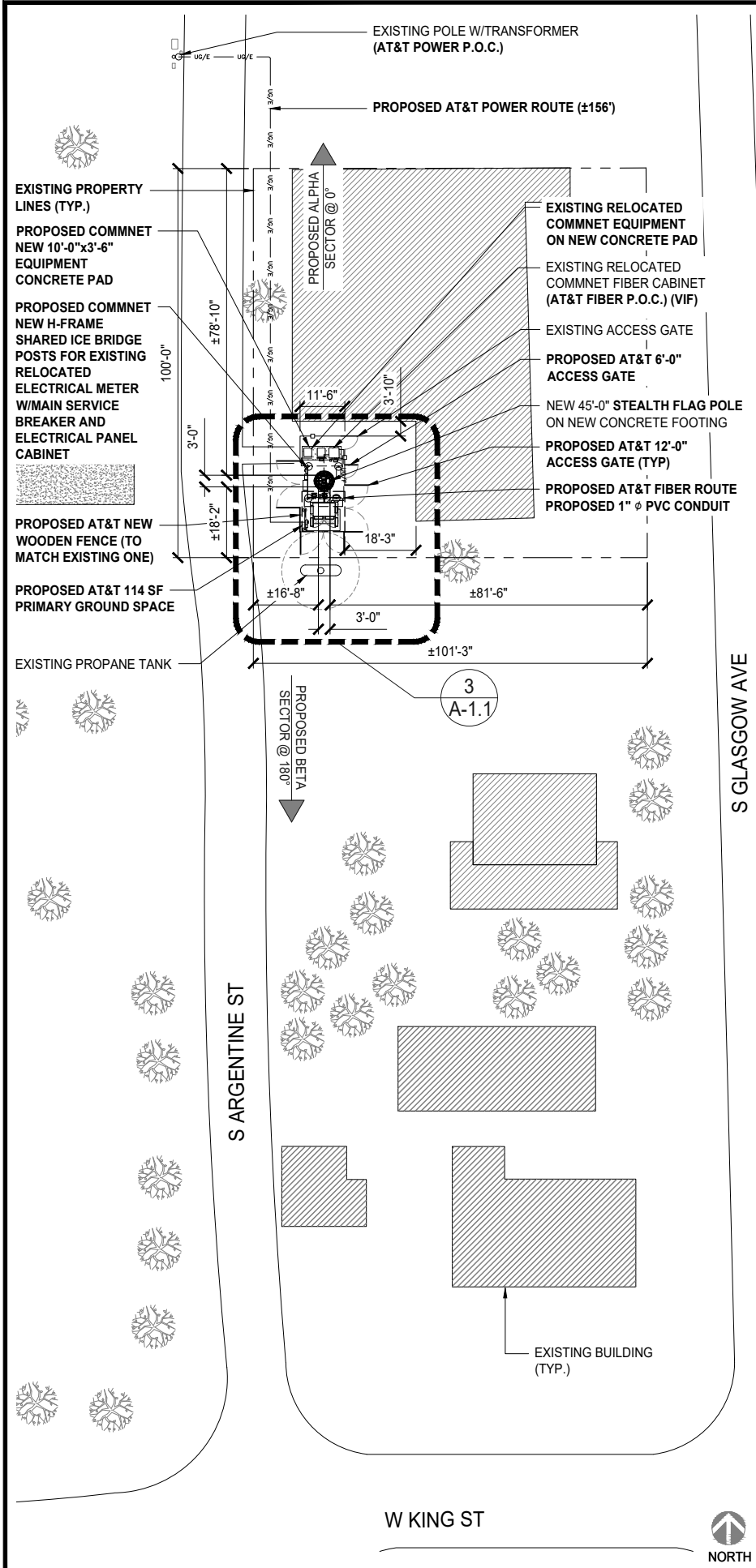
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SECTOR COLOR CODE

SHEET NUMBER

T-3.1

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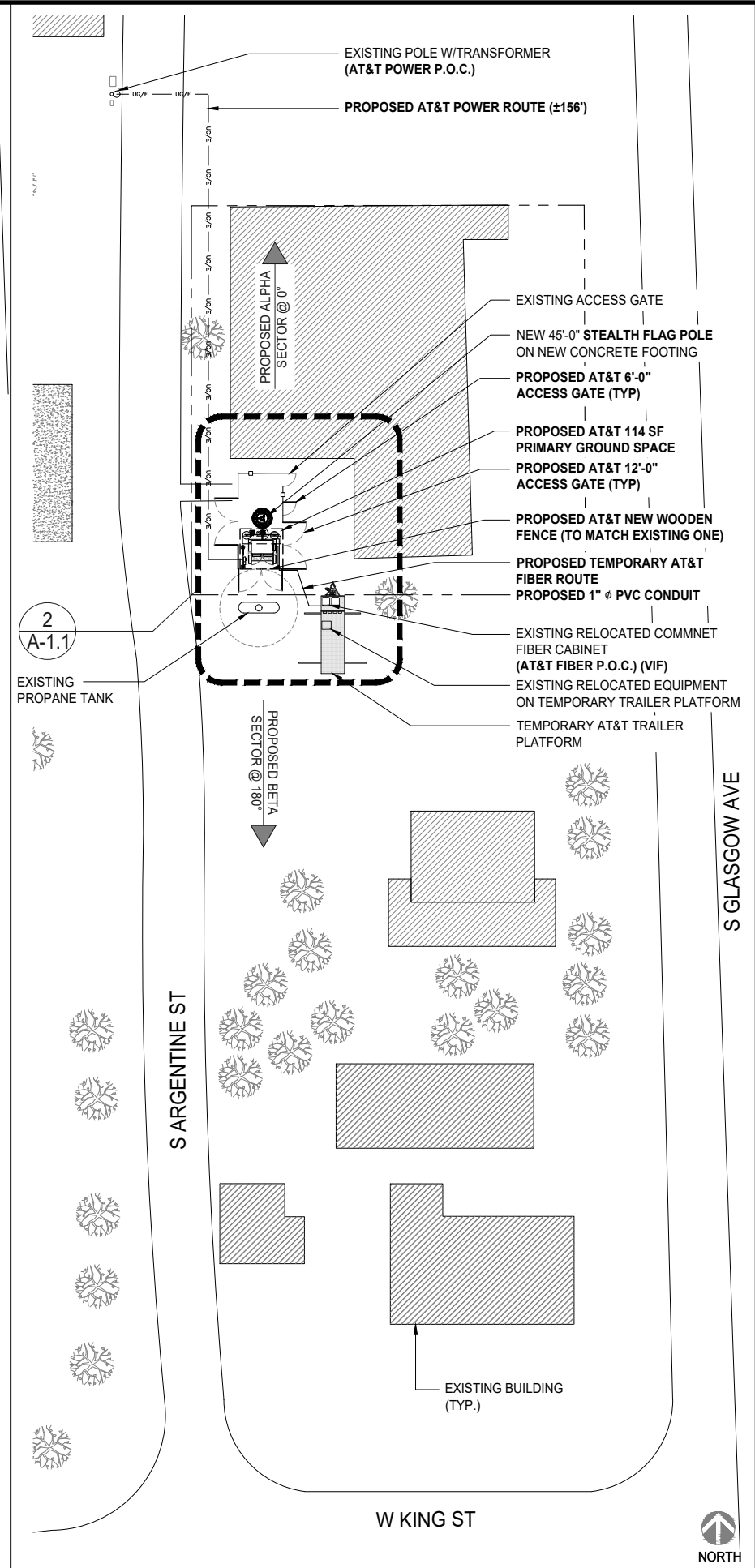


PROPOSED OVERALL SITE PLAN

20' 0 10' 20'

SCALE: 1"=20'-0" (22x34)
(OR) 1"=40'-0" (11x17)

3

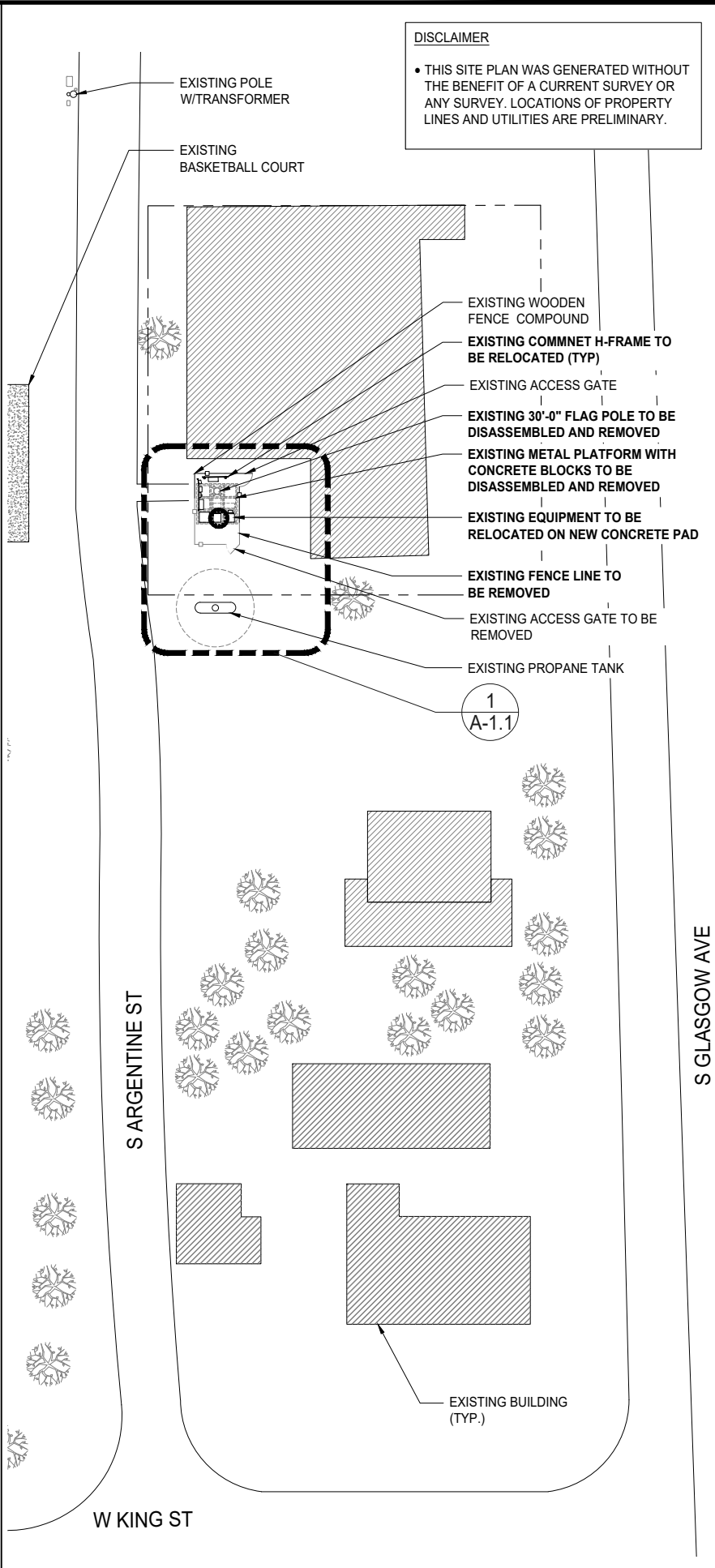


TEMPORARY OVERALL PLAN

20' 0 10' 20'

SCALE: 1"=20'-0" (22x34)
(OR) 1"=40'-0" (11x17)

2



DEMOLITION OVERALL PLAN

20' 0 10' 20'

SCALE: 1"=20'-0" (22x34)
(OR) 1"=40'-0" (11x17)

1

DISCLAIMER

• THIS SITE PLAN WAS GENERATED WITHOUT THE BENEFIT OF A CURRENT SURVEY OR ANY SURVEY. LOCATIONS OF PROPERTY LINES AND UTILITIES ARE PRELIMINARY.


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5015 SHOREHAM PLACE, SUITE 150
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www.sacw.com


WESTCHESTER SERVICES LLC
604 FOX GLEN
BARRINGTON, IL 60010
TELEPHONE: 847.277.0070
FAX : 847.277.0080
ae@westchesterservices.com

JOHN M. BANKS ARCHITECT
604 FOX GLEN
BARRINGTON, IL 60010
TELEPHONE: 847-277-0070
FAX : 847-277-0080
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OVERALL SITE PLAN

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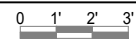
A-1.0

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-
- PROPOSED COMMNET NEW 10'-0" x 3'-6" EQUIPMENT CONCRETE PAD
 EXISTING WOODEN FENCE
 PROPOSED COMMNET NEW H-FRAME SHARED ICE BRIDGE POSTS FOR EXISTING RELOCATED ELECTRICAL METER W/MAIN SERVICE BREAKER AND ELECTRICAL PANEL CABINET
 EXISTING BUILDING
 EXISTING RELOCATED COMMNET EQUIPMENT ON NEW CONCRETE PAD
 EXISTING RELOCATED COMMNET FIBER CABINET (AT&T FIBER P.O.C.) (VIF)
 EXISTING ACCESS GATE
 2 A-2.1
 EXISTING RELOCATED COMMNET EQUIPMENT
 PROPOSED AT&T 6'-0" ACCESS GATE
 1 A-2.0 1 A-2.1
 NEW 45'-0" STEALTH FLAG POLE ON NEW CONCRETE FOOTING
 PROPOSED AT&T FIBER ROUTE
 PROPOSED 1" Ø PVC CONDUIT
 PROPOSED AT&T NEW H-FRAME FOR NEW EQUIPMENTS
 PROPOSED AT&T DELTA 2-BAY EQUIPMENT CABINET, (1) TOTAL
 PROPOSED AT&T NEW WOODEN FENCE (TO MATCH EXISTING ONE)
 PROPOSED AT&T POWER ROUTE (±156')
 2 A-2.0
 PROPOSED AT&T 12'-0" ACCESS GATE (TYP)
 PROPOSED AT&T PRIMARY GROUND SPACE
 PROPOSED AT&T 114 SF PRIMARY GROUND SPACE
 EXISTING PROPERTY LINES (TYP.)
 PROPOSED AT&T NEW H-FRAME W/ NEW ELECTRICAL METER W/MAIN SERVICE BREAKER

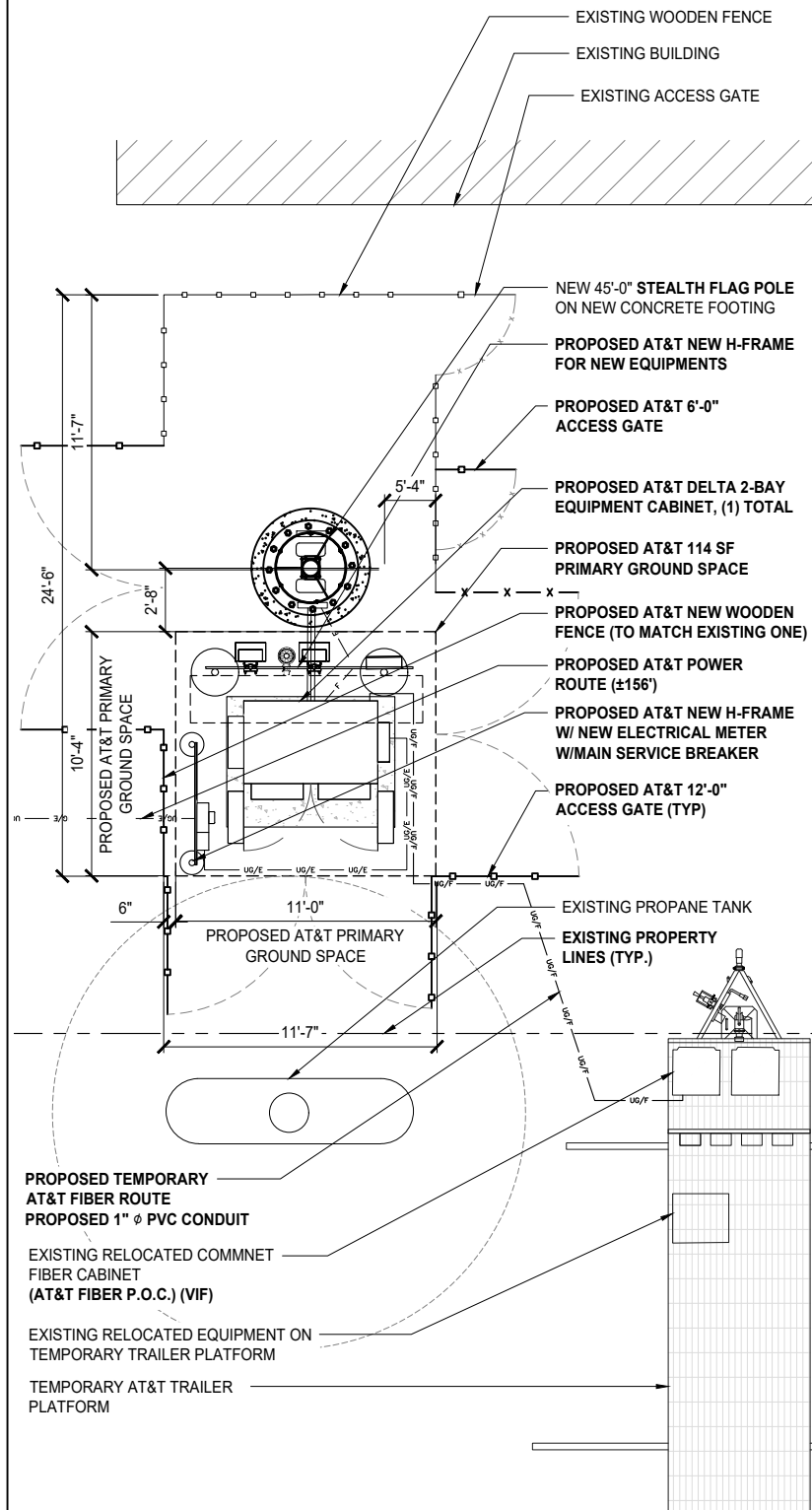


PROPOSED SITE PLAN

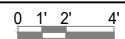


SCALE: 3/8"=1'-0" (22x34)
(OR) 3/16"=1'-0" (11x17)

3



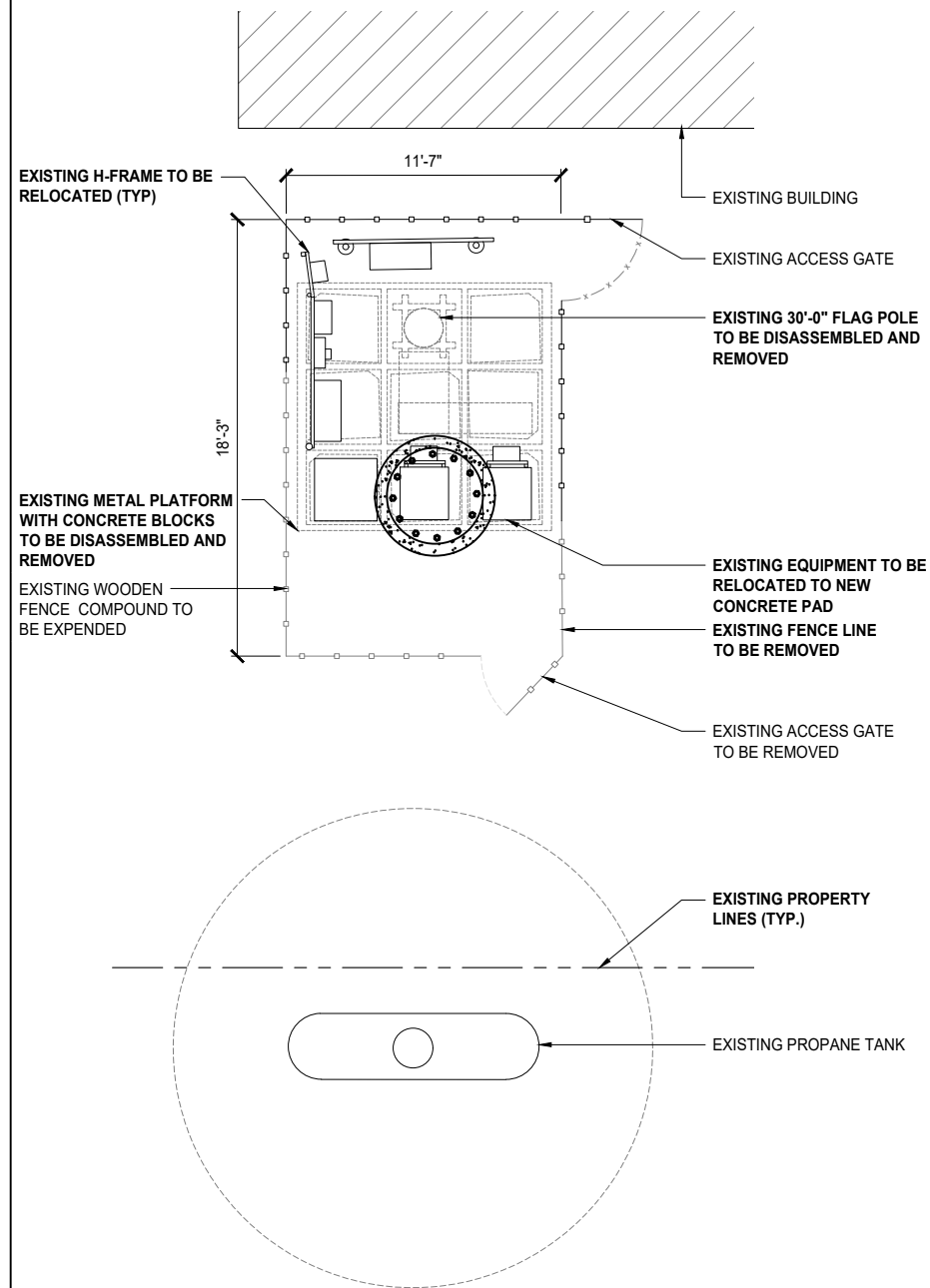
TEMPORARY SITE PLAN



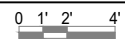
SCALE: 1/4"=1'-0" (22x34)
(OR) 1/8"=1'-0" (11x17)

2

- REMOVE EXISTING TOWER CONCRETE AND GROUNDING UP TO 3' BELOW GRADE.
- REPLACE EXISTING SOIL TO MATCH EXISTING GRADE.
- EXISTING DEBRIS AND/OR TRASH TO BE CLEARED AND REMOVED FROM SITE.

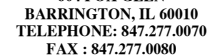


DEMOLITION PLAN



SCALE: 1/4"=1'-0" (22x34)
(OR) 1/8"=1'-0" (11x17)

1



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TELEPHONE: 847-277-0070
FAX : 847-277-0080
banks@westchesterservices.com

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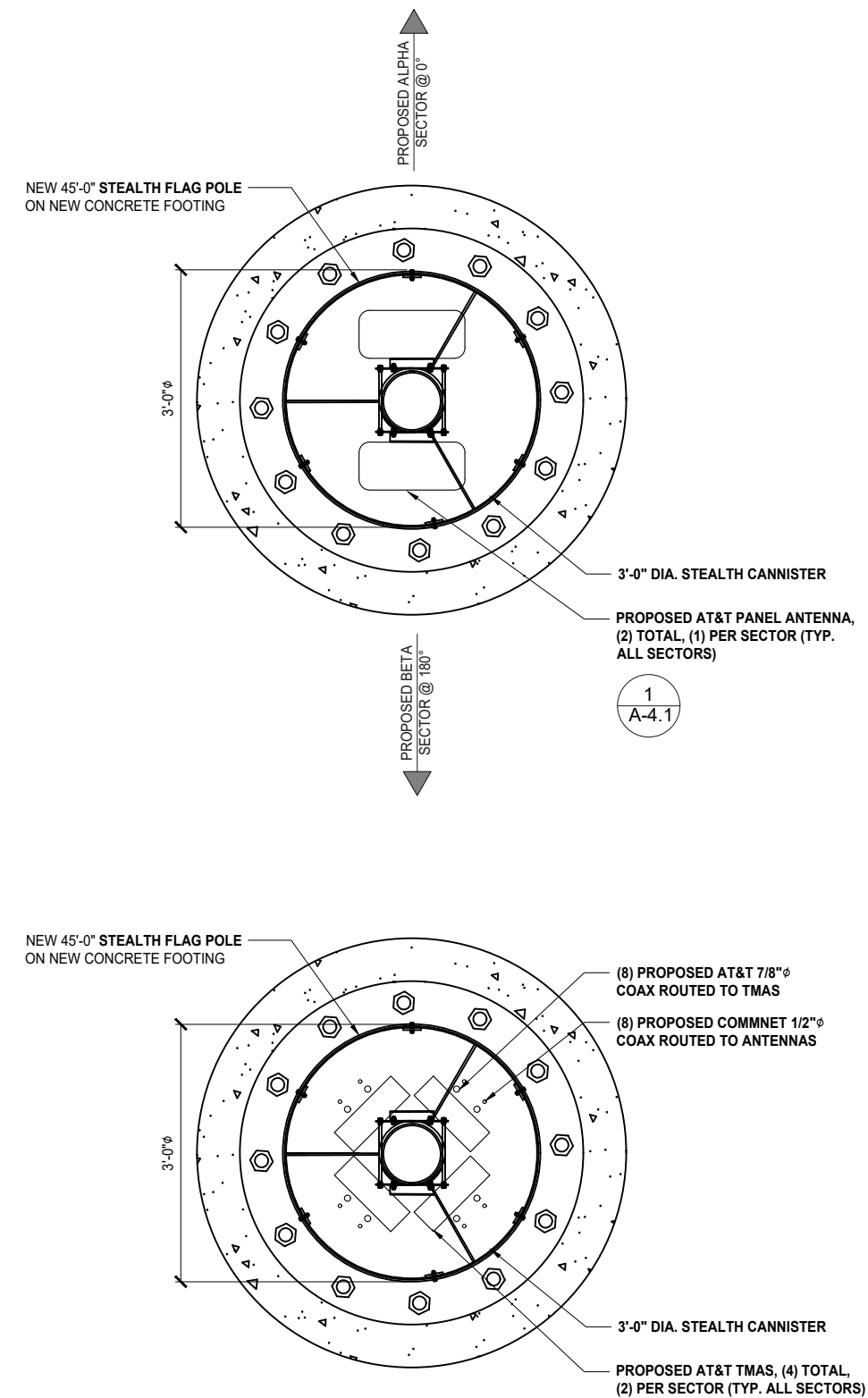
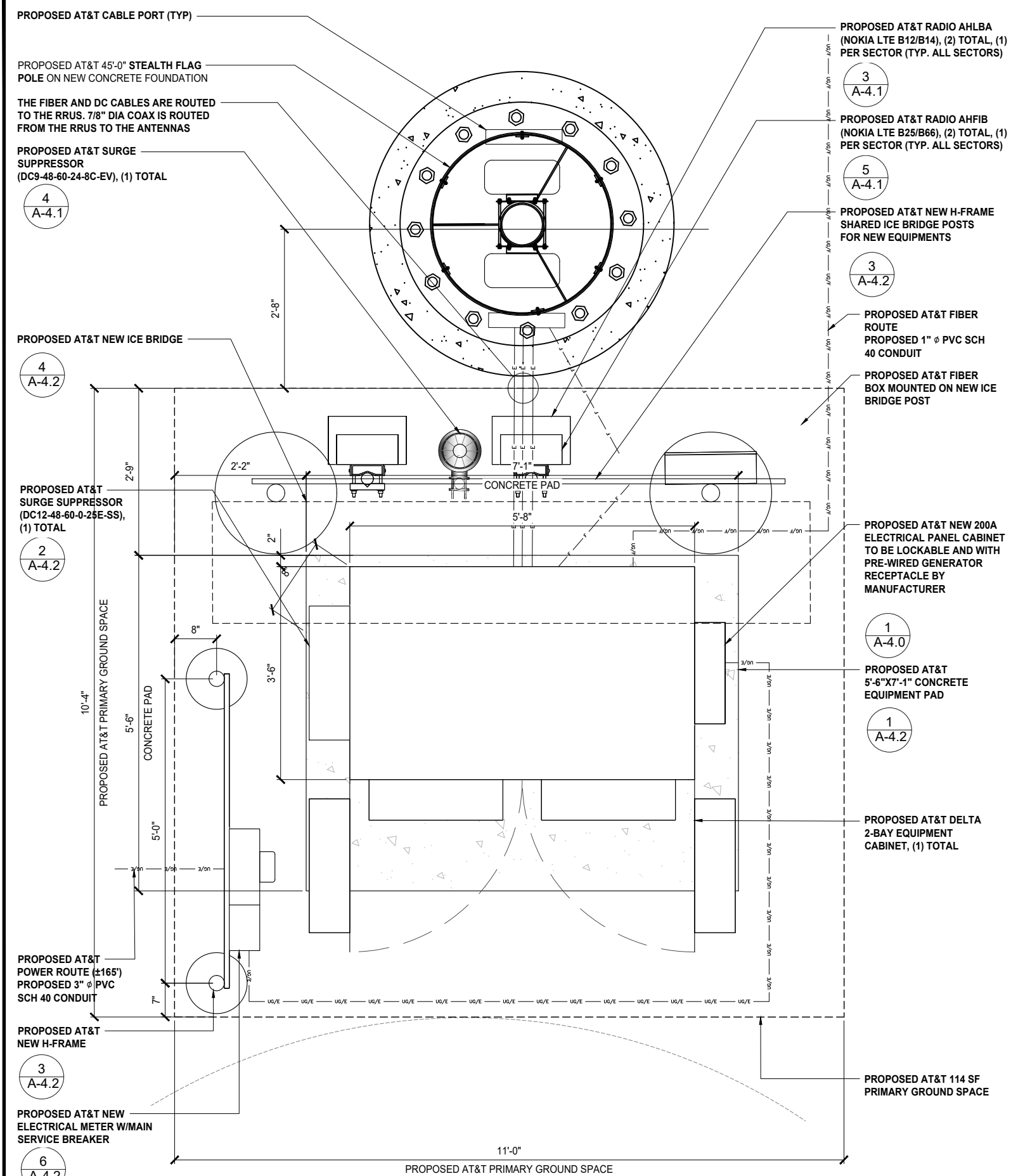
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SHEET TITLE

SITE PLAN

SHEET NUMBER

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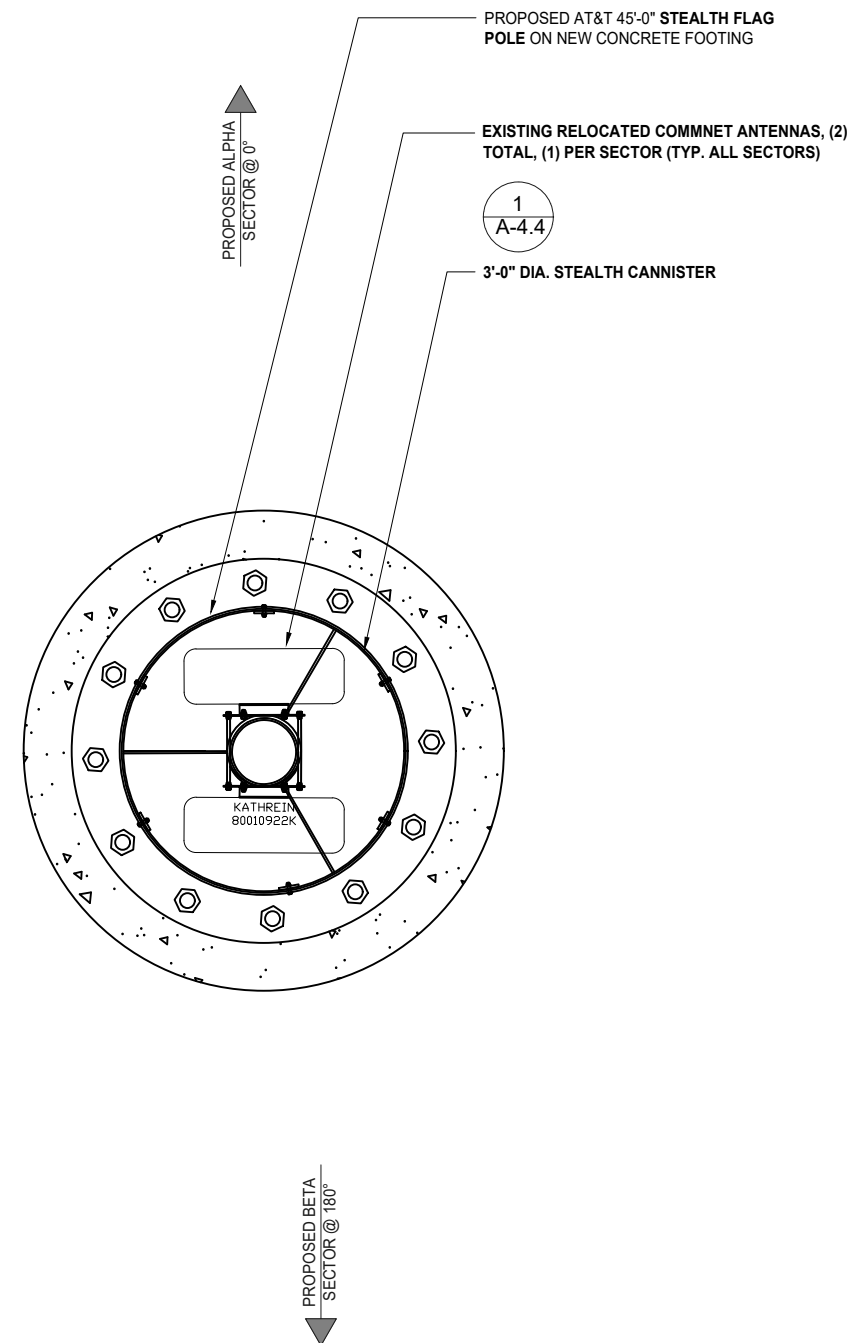
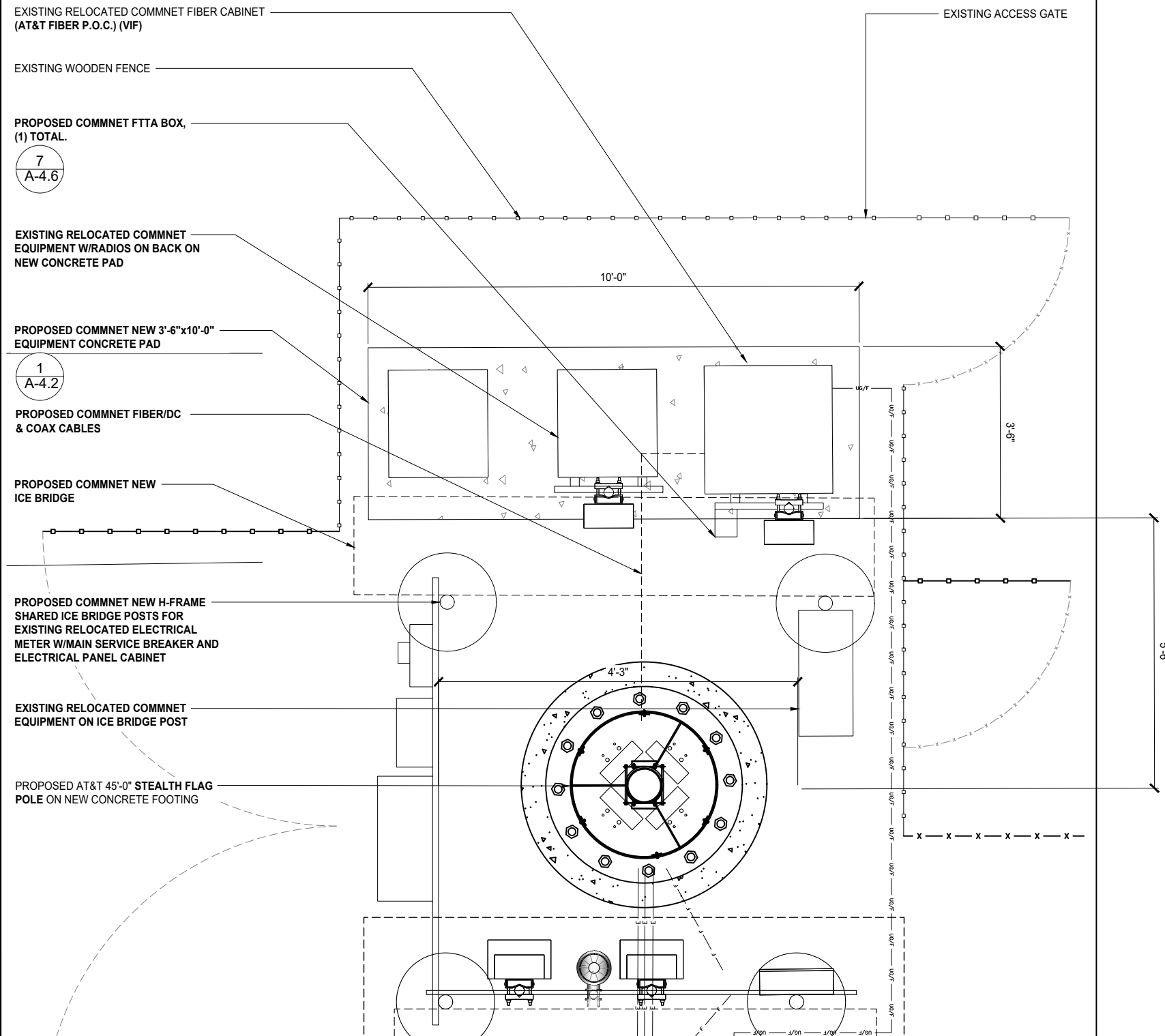
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RICO, CO 81332

SHEET TITLE

AT&T PROPOSED ANTENNA & EQUIPMENT PLANS

SHEET NUMBER

A-2.0



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SAN DIEGO, CA 92122
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**604 FOX GLEN
BARRINGTON, IL 60010
TELEPHONE: 847.277.0070
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SHEET TITLE

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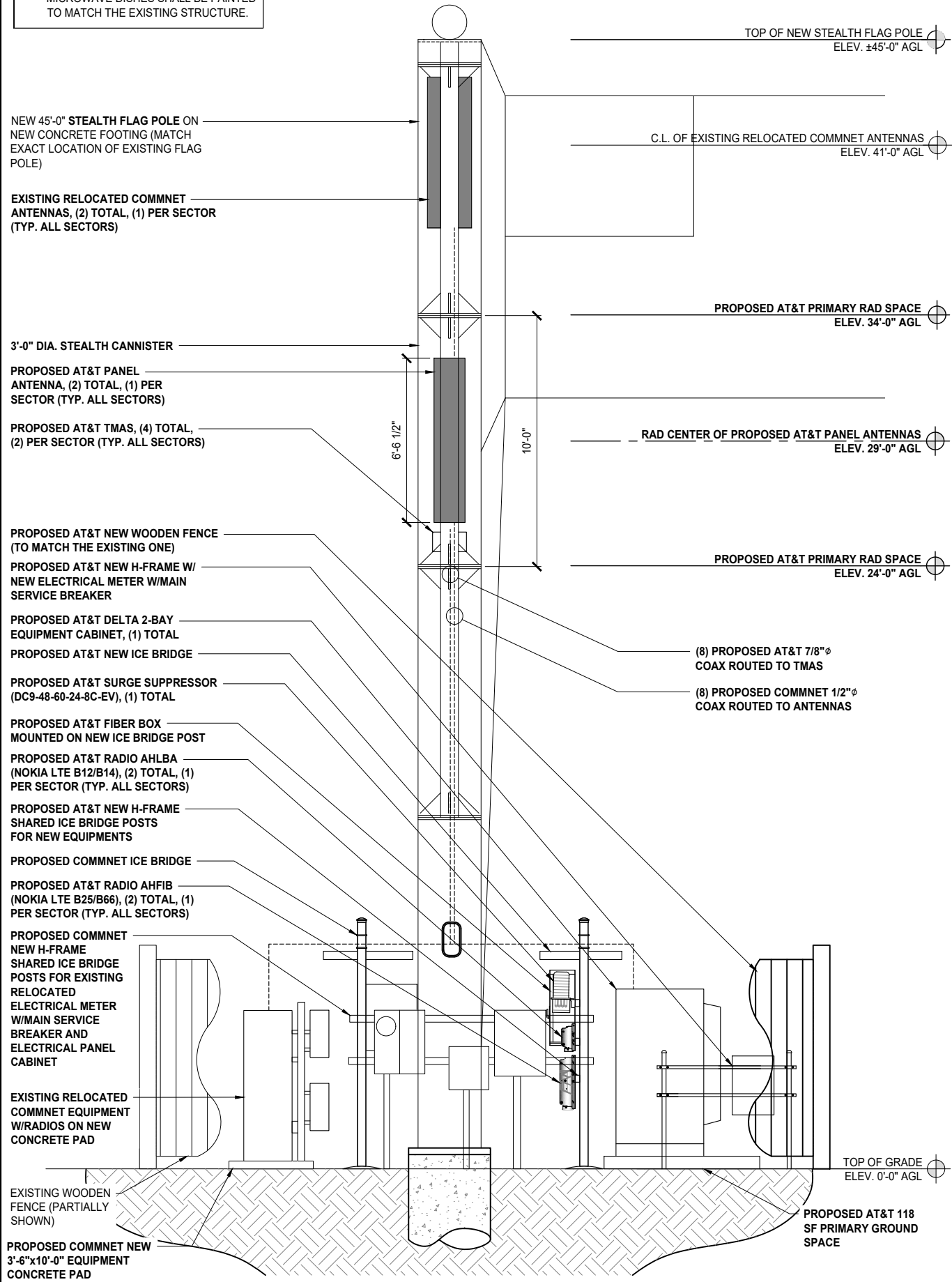
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NOTE:
• ALL PROPOSED ANTENNAS AND MICROWAVE DISHES SHALL BE PAINTED TO MATCH THE EXISTING STRUCTURE.

• PROPOSED RAD CENTER @ 29'-0"

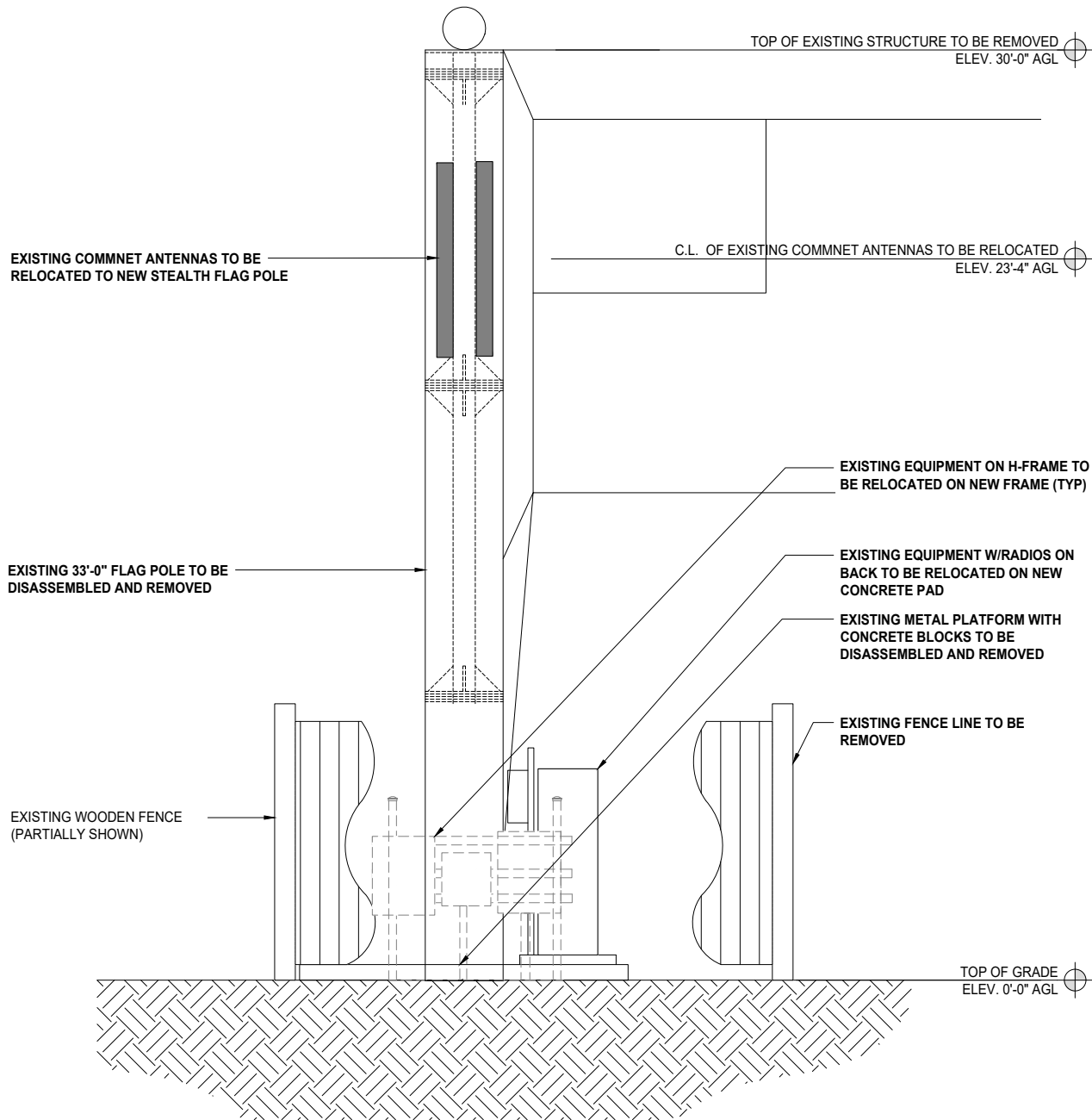


PROPOSED WEST ELEVATION

0 1' 2' 3' SCALE: 3/8"=1'-0" (22x34)
(OR) 3/16"=1'-0" (11x17)

2

EXISTING WEST ELEVATION



0 1' 2' 3' SCALE: 3/8"=1'-0" (22x34)
(OR) 3/16"=1'-0" (11x17)

1



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SHEET TITLE

EXISTING & PROPOSED
WEST ELEVATIONS

SHEET NUMBER

A-3.0



ESOF020-HCV02 2-Bay Walk Upto Cabinet (WUC)

Product Features

- Sealed Multi-bay Equipment and Power Compartment
- Sealed Battery Compartment
- Corrosion Resistant Aluminum enclosure
- Thermo-siphon HEX cooling
- R6 Thermal Insulation Material
- Attachment Rails for AC Load Center
- Rear Access Hatches
- Optional Dual GPS Antenna Mount



Specifications

Model	ESOF020-HCV02 Walk Upto Cabinet (WUC)
1. General	
System cooling capacity	2.5kW Equip Heat Load with Equip Inlet <55C @ 46C ambient
Dimensions (W x H x D)	68W" x 42"D (50" including HEX) x 80"H (add 6" plinth)
Protection class	NEMA4
Door latches	3 point latches (can be pad locked)
Ground bar	2ea 10-positions
Lifting Mechanism	4 lifting brackets
Equipment Compartment	Bay 1 – 23", 19RU for DC Power System and PDU Bay 2 – 23", 44RU for equipment
Battery Compartment	Shelves for 3 strings batteries, designed for: GNB Marathon M12V180FT Energys SBS190F Energys SBS170F
Weight	1860 lbs (Batteries, Power System and Load Equipment excluded)
Materials:	Enclosure Aluminum AL5052, Inner frames Galvanized steel
Finish	Powder Paint RAL7032
Safety	cULus LISTED pending
2. Environment	
Operating temperature	-40°C to +50°C (-40°F to +122°F)
Storage temperature	-40°C to +75°C (-40°F to +158°F)
Acoustics	65 dBA @ 40C equipment inlet, 75 dBA @ 55C equipment inlet
Humidity (relative)	95%, non-condensing (Max.)
3. Thermal management	
Cooling system	Equipment compartment: 2 200W/K Thermosiphon HEX
Heating system	Equipment compartment: 2 1500W DC heaters Battery compartment: 1 1500W DC heater
4. Equipment	
Arranged for third-party equipment:	AC Load Center (not provided) DC Power System (not provided) Batteries (not provided)
Cable Entry:	
AC Cable	(2) Trade Size 2" ports
Bottom Cable	Arranged for (3) Roxtec EzEntry 24/24 multi-port (not provided) Arranged for (3) Roxtec EzEntry 16/16 multi-port (not provided)
Lower Rear	(4) Trade Size 3" ports
Upper Rear	Arranged for (1) Valmont E575 port kit (not provided)
5. Optional Items	
Optional items	NEQ.20115 – Dual GPS Antenna Mast Kit (Delta 3798100742-S) NEQ.20114 – Wave Guide Top Plate (Valmont E575)
6. Ordering information	
System	NEQ.20212– Cabinet 2-Bay 2-HEX (Delta ESOF020-HCV02)

Delta Group Website:
www.deltaww.com

Product Website:
www.deltapowersolutions.com

United States of America & Canada
Delta Electronics (USA) Inc.
2925 E. Plano Parkway
Plano, Texas 75074

Sales
Bryan Kearse
Office 919-767-3836
Cell 919-800-7107
Bryan.Kearse@deltaww.com

Hari Subramanian
Cell 214-415-4977
Hari.Subramanian@deltaww.com

Support
Field Support
1-877-DELTA-08 option 3
(877-335-8208 option 3)
DEUSTPS.Support@deltaww.com

Installation Services
DEUSTPS.Services@deltaww.com

Orders
DEUSTPS.Orders@deltaww.com

Sales
DEUSTPS.Sales@deltaww.com

RMA
DEUSTPS.RMA@deltaww.com

*All specifications are subject to change without prior notice.

www.deltaww.com



2

EN_V0.1 / VB 09062018



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I	11/03/20	90% CD FOR REVIEW	YH	
J	11/11/20	90% CD FOR REVIEW	DWM	

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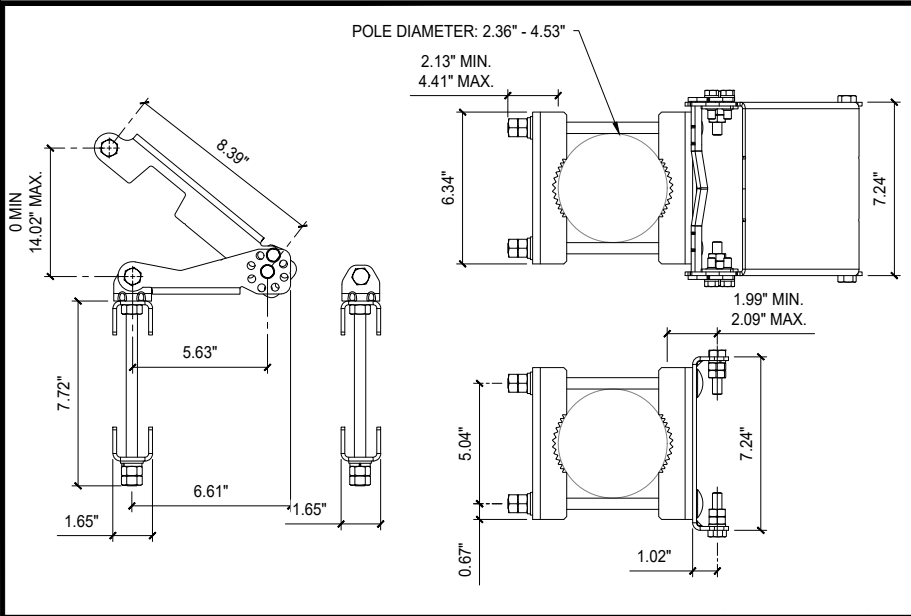
SHEET TITLE

EQUIPMENT DETAILS &
SPECIFICATIONS

SHEET NUMBER

A-4.0

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POLE DIAMETER: 2.36" - 4.53"
2.13" MIN.
4.41" MAX.

8.39°

0 MIN.
14.02" MAX.

7.72"

5.63"

1.65"

6.61"

1.65"

1.99" MIN.
2.09" MAX.

7.24"

5.04"

0.67"

1.02"

MANUFACTURER: NOKIA
MODEL: AHFIB

MECHANICAL
NET WEIGHT: 66.1 LBS
DIMENSION (LxWxD): 22.05"x12.13"x5.87"
12.13"

22.05"

5.87"

DC IN OPT1 OPT2 RET EAC

GND

ANT1 ANT2 ANT3 ANT4

FRONT VIEW

BOTTOM VIEW

MANUFACTURER: NOKIA
MODEL: AHLBA

MECHANICAL
NET WEIGHT: 101.4 LBS
DIMENSION (LxWxD): 28.7"x15.4"x9.5"

28.7"

15.4"

9.5"

DC IN OPT1 OPT2 RET EAC

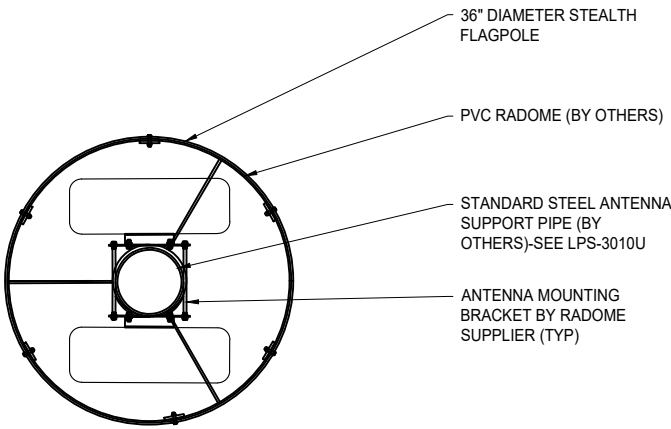
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ANT1 ANT2 ANT3 ANT4

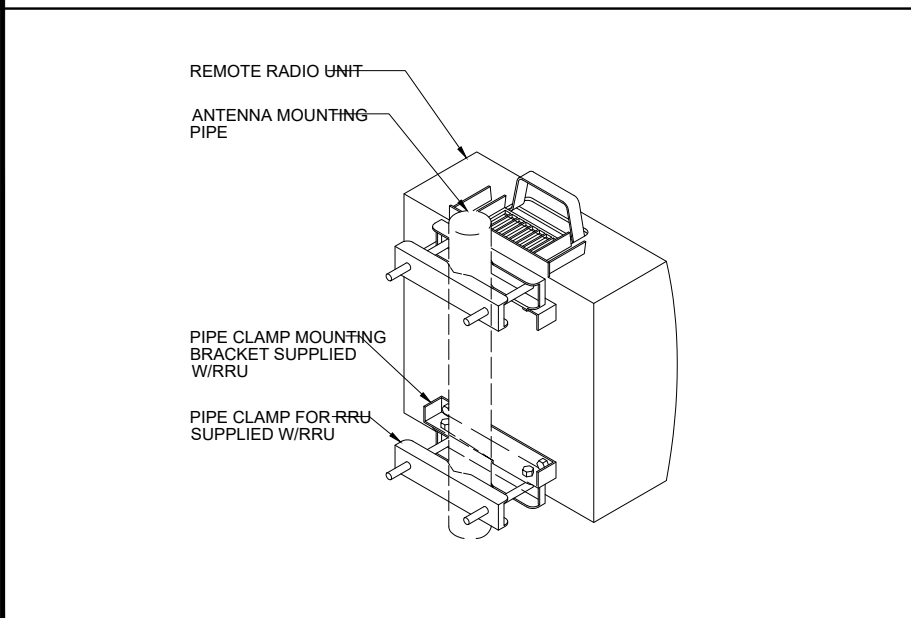
ISOMETRIC VIEW

BOTTOM VIEW

BSAMNT-3 ANTENNA MOUNTING BRACKET	NTS	8	RADIO AHFIB (OR SIMILAR)	NTS	6	RADIO AHLBA (OR SIMILAR)	NTS	3
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ANTENNA MOUNTING



REMOTE RADIO UNIT

ANTENNA MOUNTING PIPE

PIPE CLAMP MOUNTING BRACKET SUPPLIED W/RRU

PIPE CLAMP FOR RRU SUPPLIED W/RRU

MANUFACTURER: RAYCAP
MODEL: DC9-48-60-24-8C-EV
CEQ 21427

OF CIRCUITS PROTECTED: 9
SURGE PROTECTIVE DEVICE: TYPE 2
MAX. CONTINUOUS
OPERATING DC VOLTAGE: 60 VDC
ENCLOSURE TYPE: OUTDOOR NEMA 4X
ENCLOSURE DIMS (LxWxH): 18.28"x10.24"x31.4"
WEIGHT (SYSTEM): 16 LBS
WEIGHT (MOUNT): 10.22 LBS

RAYCAP SUPPLIED POLE MOUNTING BRACKET

1/2"x3-5/8"x5-1/2"x3" U-BOLT (HDG.)

CROSSOVER PLATE VALMONT PART # SCX3-K OR APPROVED EQUAL

CROSSOVER PLATE

RAYCAP DC9 OVER VOLTAGE PROTECTOR WITH DOME COVER

DOME SECURING BAND

CLIP FOR ATTACHING DC9 (OVP) TO BASE ASSEMBLY (TYP)

POWER CABLE INGRESS PORTS (TYP.)

RAYCAP SUPPLIED BASE ASSEMBLY

CABLE TIE BAR

1/2"x3-5/8"x5-1/2"x3" U-BOLT (HDG.)

MANUFACTURER: KATHREIN
MODEL: 800372991
CONNECTOR: (12) 4.3-10 FEMALE
CONNECTOR POSITION: BOTTOM

MECHANICAL
WEIGHT: 84.8 LBS (W/O MOUNTING)
DIMENSIONS (HxWxD): 77.9"x14.9"x6.5"

MOUNTING HARDWARE: 85010096 (INCLUDED W/ ANTENNA)

77.9"

6.5"

14.9"

ANTENNA MOUNTING KIT (85010096) INCLUDED W/ ANTENNA

FRONT VIEW

BOTTOM VIEW

PIPE CLAMP MOUNTING BRACKET	NTS	7	SURGE SUPPRESSOR - DC9-48-60-24-8C-EV	NTS	4	800372991K ANTENNA (OR SIMILAR)	1/2"=1'-0" (22x34) 1/4"=1'-0" (11x17)	1
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SAN DIEGO, CA 92122
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WESTCHESTER SERVICES LLC
604 FOX GLEN
BARRINGTON, IL 60010
TELEPHONE: 847.277.0070
FAX : 847.277.0080
ae@westchesterservices.com

JOHN M. BANKS ARCHITECT
604 FOX GLEN
BARRINGTON, IL 60010
TELEPHONE: 847-277-0070
FAX : 847-277-0080
jbanks@westchesterservices.com

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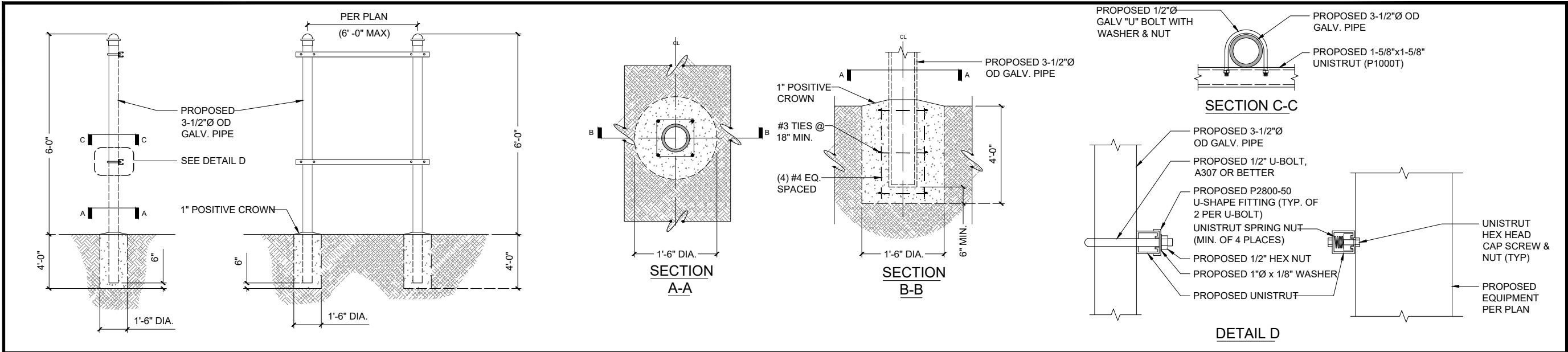
SHEET TITLE

**AT&T
EQUIPMENT DETAILS &
SPECIFICATIONS**

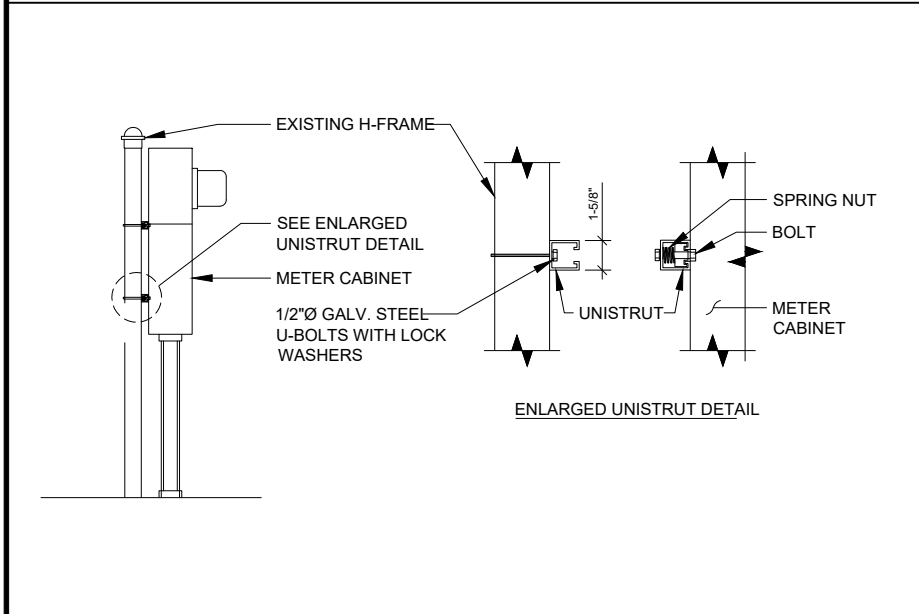
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A-4.1

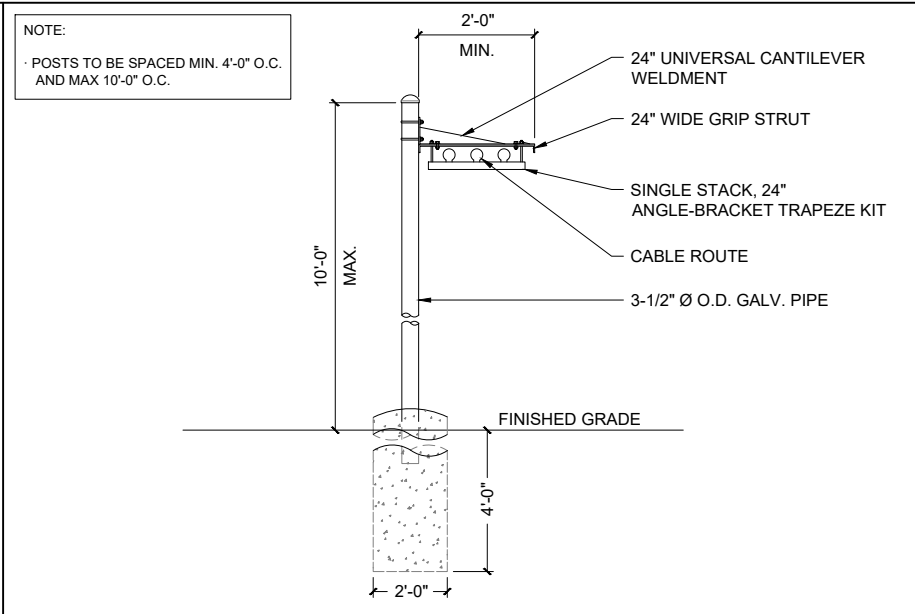
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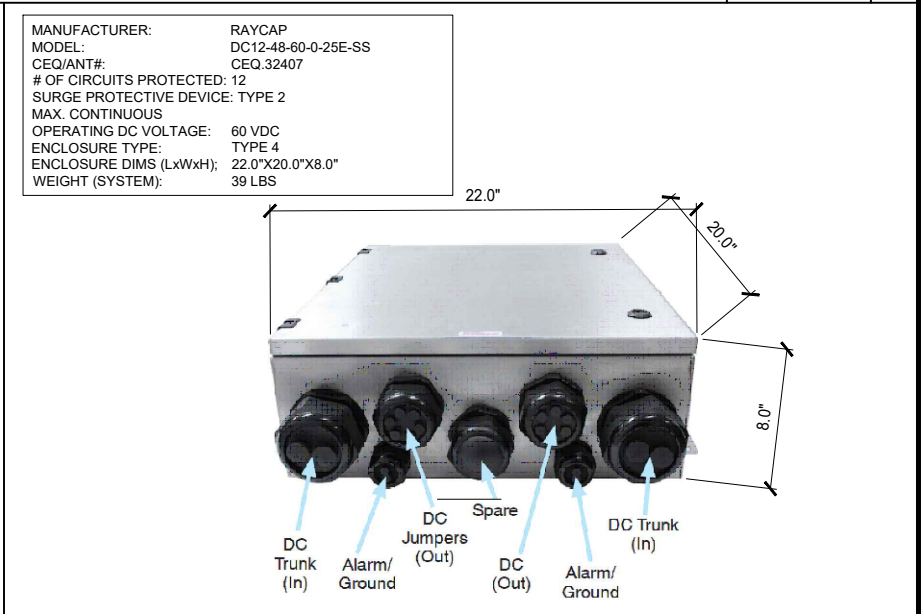
H-FRAME DETAIL NTS 3



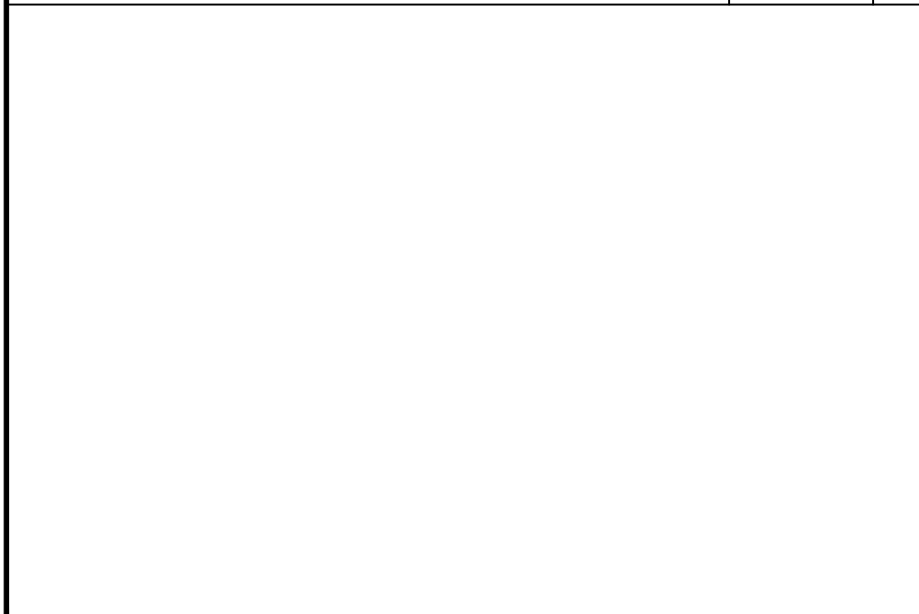
METER CABINET TO H-FRAME NTS 6



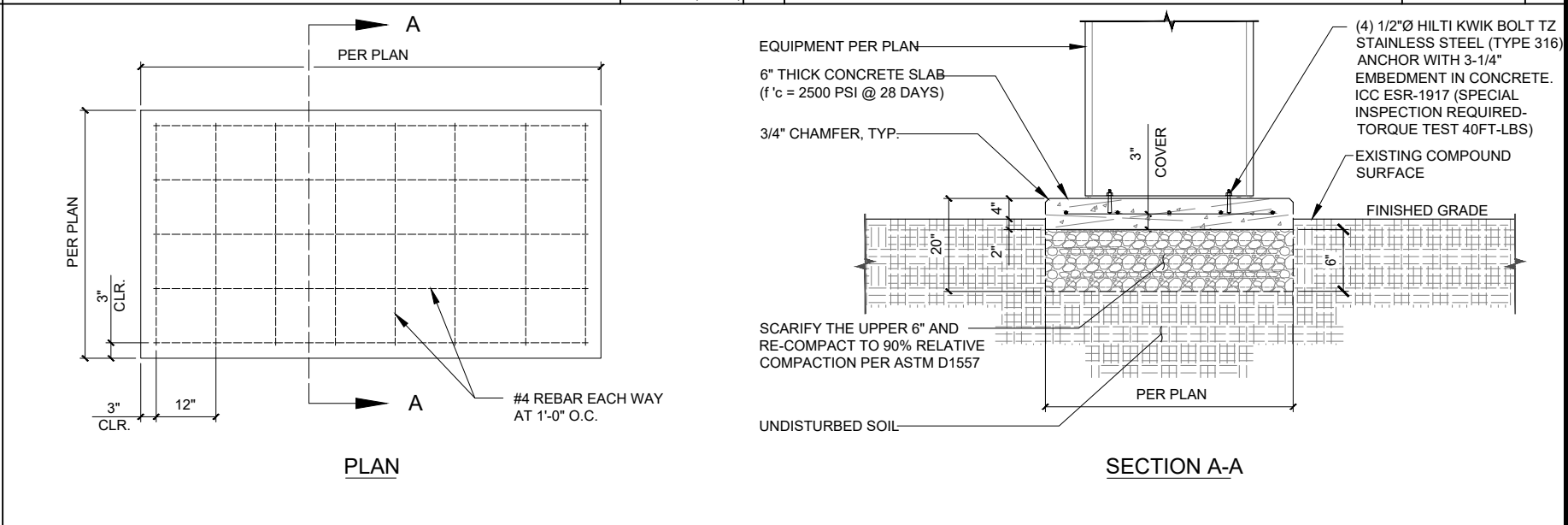
ICE BRIDGE DETAIL 1/2"=1'-0" (22x34) 1/2"=1'-0" (11x17) 4



DC12-48-60-25E-SS (OR SIMILAR) NTS 2



NOT USED NTS 5



CONCRETE EQUIPMENT PAD NTS 1



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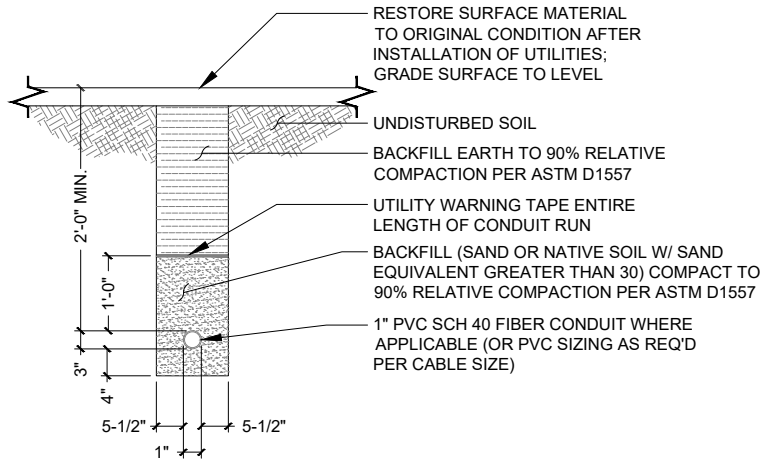
SHEET TITLE

AT&T
EQUIPMENT DETAILS &
SPECIFICATIONS

SHEET NUMBER

A-4.2

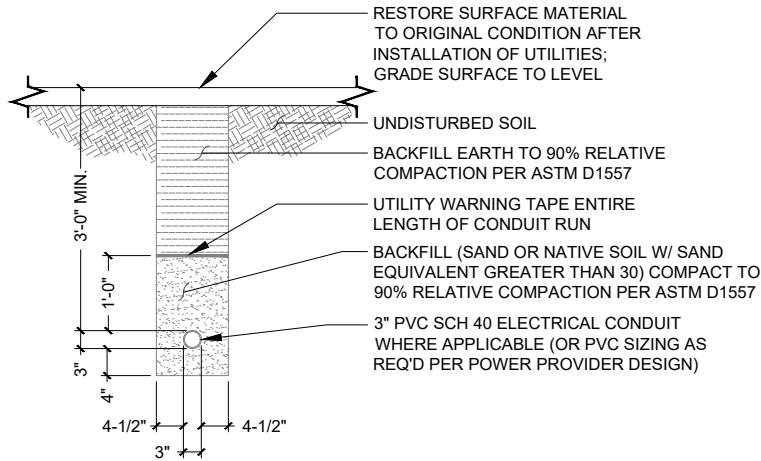
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FIBER TRENCH

NTS

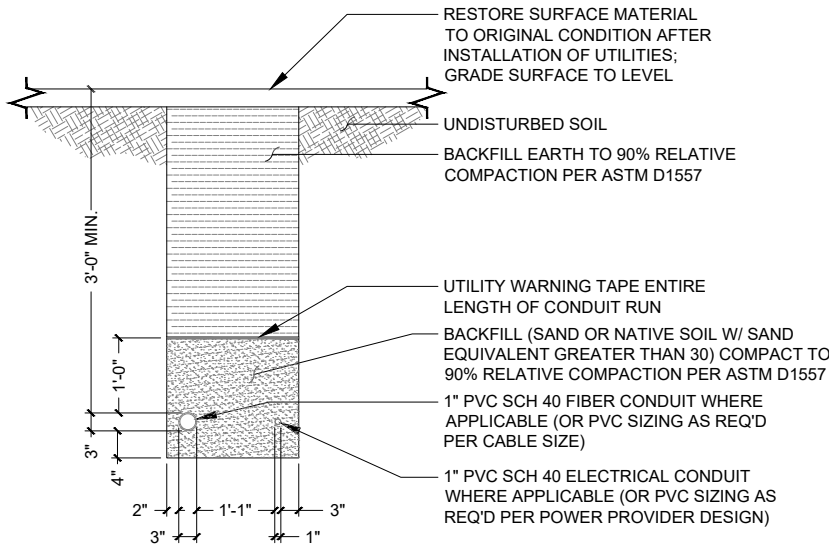
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POWER TRENCH

NTS

2



DUAL UTILITY TRENCH

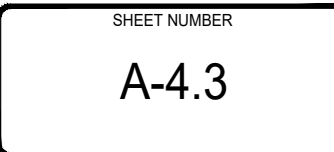
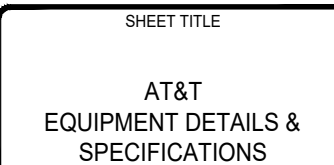
NTS

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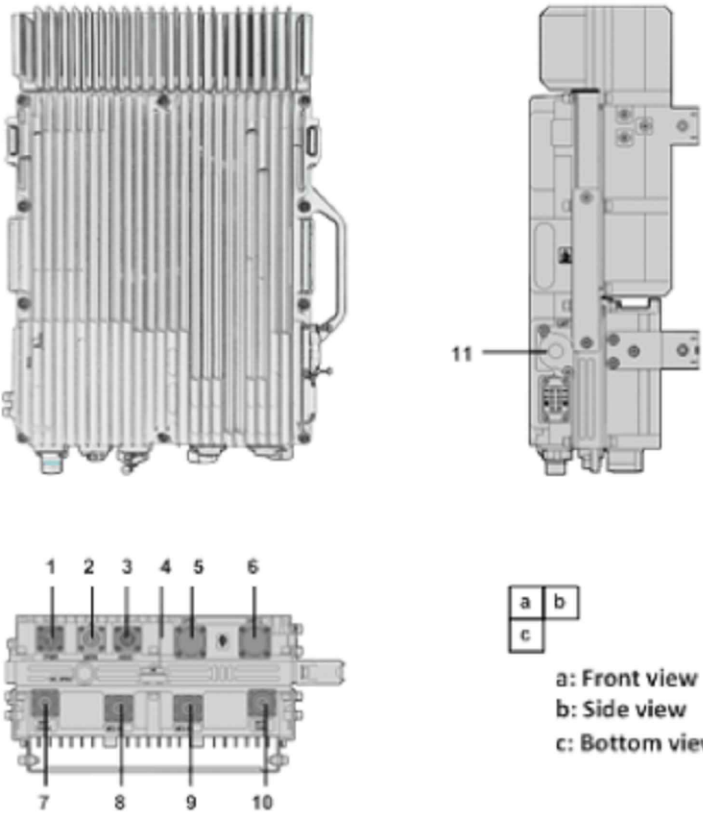



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			<div>MANUFACTURER: ZTE MODEL: ZXSDR - R8882 (2*60W) MECHANICAL NET WEIGHT: 23 KG - 50.7 LBS DIMENSION (LxWxD): 18.9"x12.6"x5.1" (480*320*150 mm)</div> <div>MANUFACTURER: ZTE MODEL: ZXSDR - R8882 (2*40W) MECHANICAL NET WEIGHT: 20 KG - 44.09 LBS DIMENSION (LxWxD): 14.96"x12.6"x5.51" (380*320*140 mm)</div> <div></div>		
NOT USED	NTS	3	RADIO ZTE ZXSDR R8882	NTS	2
NOT USED	NTS	4	ANTENNA MOUNTING	1"=1'-0" (22x34) 1"=1'-0" (11x17)	1



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WESTCHESTER
SERVICES LLC
604 FOX GLEN
BARRINGTON, IL 60010
TELEPHONE: 847.277.0070
FAX : 847.277.0080
ae@westchesterservices.com

JOHN M. BANKS
ARCHITECT
604 FOX GLEN
BARRINGTON, IL 60010
TELEPHONE: 847-277-0070
FAX : 847-277-0080
jbanks@westchesterservices.com

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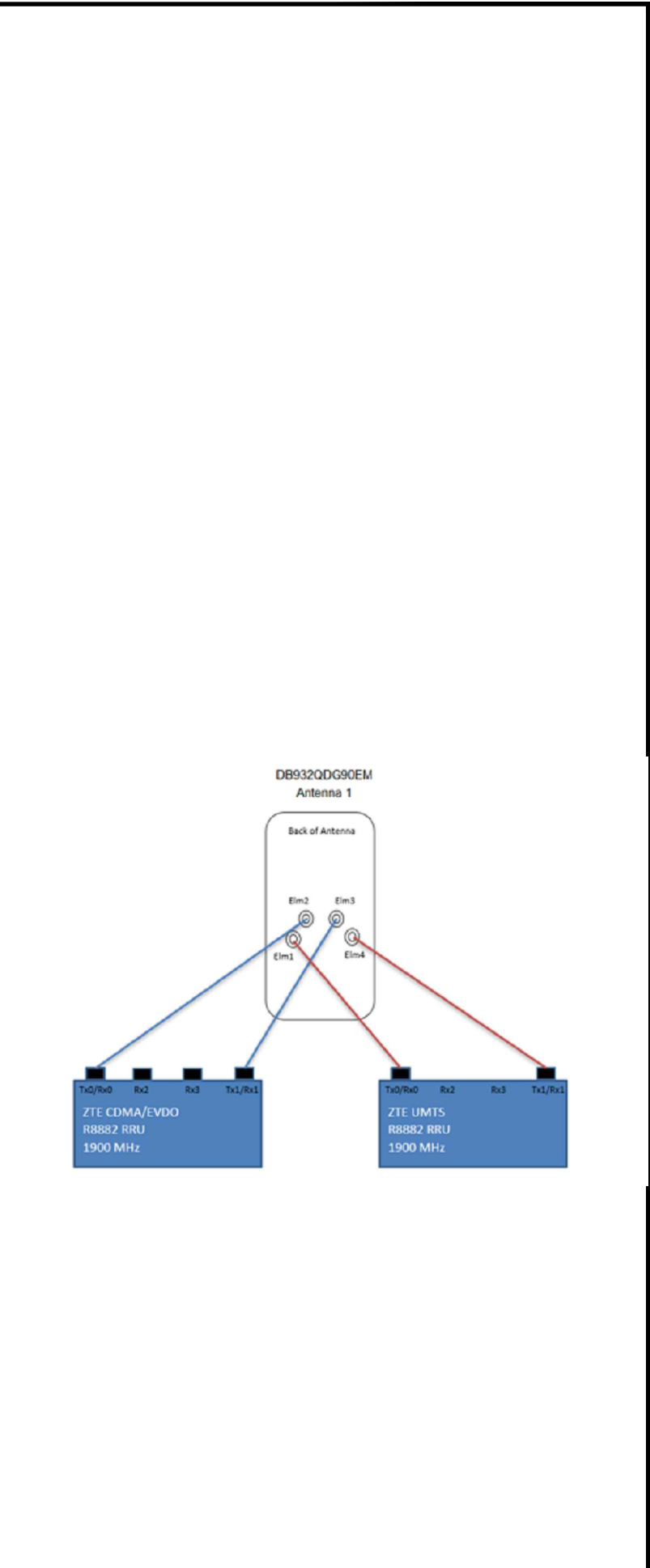
SHEET TITLE

COMMNET EQUIPMENT
DETAILS & SPECIFICATIONS

SHEET NUMBER

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<div><div><div></div><div>Commnet</div><div>Connecting Rural America</div></div></div>												
RF DESIGN AND ENGINEERING SHEET												
SITE INFORMATION				SITE NAME		STATE		COUNTY				
Market / Call Sign				Rico		CO		Dolores				
FCC #/Site Identifier				LOCATION INFORMATION								
Engineer				Latitude Deg		Lat Min		Lat Sec		Lat Decimal		
Date (mm/dd/yy)				37		41		24.8		37.690222		
Candidate Sheet Information				Longitude Deg		Long Min		Long Sec		Long Decimal		
Upgrade				108		1		54.8		-108.031889		
Modified By				Ground Elev (ft)		Structure Type				Structure Ht (ft)		
H.Muneer				8791.7		Stealth - Flagpole				45		
SYSTEM INFORMATION				Site Coverage Objectives								
Technology												
UMTS												
CDMA-1x												
EVDO												
BTS Vendor												
ZTE												
BTS Model / RRU model												
BS8700/R8882												
Switch Name												
Castle Rock												
Radios on Tower or at Base												
Tower												
Feeder Type												
Fiber												
Feeder length (ft)												
61												
Frequency Band												
1900MHz C5 Band												
Channel/Carrier Totals Per Sector												
1-1-0												
Carrier Bandwidth (LTE)												
n/a												
# of Extended Range Radios(of total)												
0												
Cell Radius / sector(14,28,75,103)(km)												
14-28-0												
MIMO												
n/a												
Equipment Site Totals												
Base Cabinets												
RRU's or RRH's												
WISP Radios												
Antennas												
Coax Lines												
Fiber Lines												
Power Lines												
CAT5 Lines												
TMA's												
FTTA or Squid												
2												
4												
0												
2												
0												
2												
1												
0												
1												
Site Notes / Project Description				Change History								
Decommission GSM, Tower Drop and Swap to accommodate addition of FN. Move all RRU and antenna to new tower. Take All RRU's to tower and replace coax with fiber lines. Use both sides of dual RRU to enable diversity. Coordinates and ground elevation from 2C, confirmed on google earth. This sheet contains information for the existing Commnet equipment only!				08/26/2020 - decommission GSM, structure height, structure type, feeder type, feeder length, frequency band, cell radius, coax lines, fiber lines, power lines, FTTA box, port info updated, plumbing diagram added.								
Sector Information												
Note that all port-specific and cabling information will be on next tab in Plumbing Diagram												
Sector 1 - Color Code Red												
Antenna Number												
Antenna 1												
Antenna 2												
Antenna Model												
DB932QDG90EM												
Antenna Manufacturer												
Decibel												
Antenna Type (panel,omni)												
quad pole												
RET capable												
No												
Antenna Center Line (ft)												
41												
Antenna Azimuth												
0												
RRU / RRH Mounting Height (ft)												
41												
TMA Model												
Sector 2 - Color Code White												
Antenna Number												
Antenna 1												
Antenna 2												
Antenna Model												
DB932QDG90EM												
Antenna Manufacturer												
Decibel												
Antenna Type (panel,omni)												
quad pole												
RET capable												
No												
Antenna Center Line (ft)												
41												
Antenna Azimuth												
180												
RRU / RRH Mounting Height (ft)												
41												
TMA Model												
Sector 3 - Color Code Blue												



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BARRINGTON, IL 60010
TELEPHONE: 847.277.0070
FAX : 847.277.0080
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JOHN M. BANKS
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TELEPHONE: 847-277-0070
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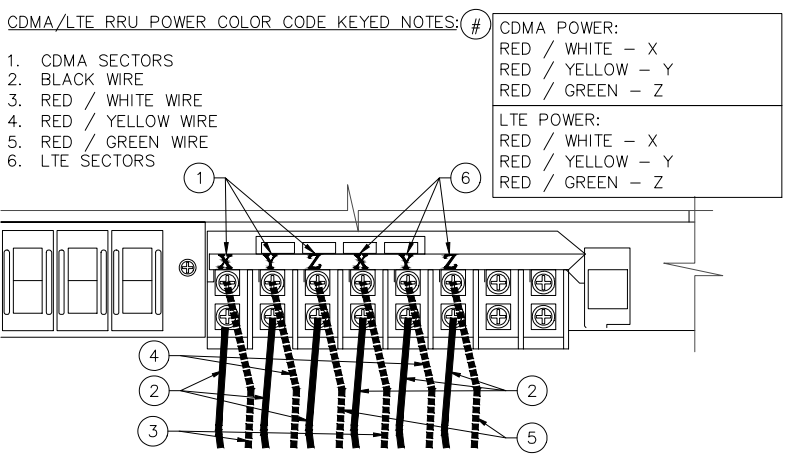
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CABLE COLOR CODE SCHEDULE									
TECHNOLOGY	CABLE TYPE	TAPE COLOR	COMMENTS	RRU P/N CODE (LOCATED ON RRU TAG)					
LTE	POWER TRUNK	1 ORANGE WRAP	ADDITIONAL POWER OR FIBER TRUNKS FOR LTE, ADD 1 ADDITIONAL WRAP	12955731012	ZXSDR R88 S8500 (B6B)	850	CDMA<E DUAL MODE		
LTE	FIBER TRUNK	1 ORANGE WRAP		12955731009	ZXSDR R88 S8500 (B6A)	850	STANDARD CDMA ONLY		
GSM/UMTS	POWER TRUNK	1 YELLOW WRAP	ADDITIONAL POWER OR FIBER TRUNKS FOR GSM/UMTS, ADD 1 ADDITIONAL WRAP	12955731011	ZXSDR R88 S1900 (B6B)	1900	CDMA<E DUAL MODE		
GSM/UMTS	FIBER TRUNK	1 YELLOW WRAP		12955731010	ZXSDR R88 S8500 (B6B)	1900	STANDARD CDMA ONLY		
CDMA	POWER TRUNK	1 GREEN WRAP	ADDITIONAL POWER OR FIBER TRUNKS FOR CDMA, ADD 1 ADDITIONAL WRAP	12955731037	850 CDMA R8882	NEW SINGLE MODE			
CDMA	FIBER TRUNK	1 GREEN WRAP		12955731035	1900 CDMA R8882	NEW SINGLE MODE			
UMTS	POWER TRUNK	1 PURPLE WRAP	ADDITIONAL POWER OR FIBER TRUNKS FOR UMTS, ADD 1 ADDITIONAL WRAP	12955731023	ZXSDR R8882 S8500(B6B)	- 850	GSM/UMTS		
UMTS	FIBER TRUNK	1 PURPLE WRAP		12955731024	ZXSDR R8882 S1900(B6B)	- 1900	GSM/UMTS		
DO	POWER TRUNK	1 WHITE WRAP	ADDITIONAL POWER OR FIBER TRUNKS FOR DO, ADD 1 ADDITIONAL WRAP						
DO	FIBER TRUNK	1 WHITE WRAP							
TECHNOLOGY	CABLE TYPE	TAPE COLOR	COMMENTS						
LTE	POWER TRUNK	1 ORANGE+FREQ+SECTOR							
LTE	FIBER TRUNK	1 ORANGE+FREQ+SECTOR							
GSM/UMTS	POWER TRUNK	1 YELLOW+FREQ+SECTOR							
GSM/UMTS	FIBER TRUNK	1 YELLOW+FREQ+SECTOR							
CDMA	POWER TRUNK	1 GREEN+FREQ+SECTOR							
CDMA	FIBER TRUNK	1 GREEN+FREQ+SECTOR							
UMTS	POWER TRUNK	1 PURPLE+FREQ+SECTOR							
UMTS	FIBER TRUNK	1 PURPLE+FREQ+SECTOR							
DO	POWER TRUNK	1 WHITE+FREQ+SECTOR							
DO	FIBER TRUNK	1 WHITE+FREQ+SECTOR							
FREQUENCY	COLOR								
700	BLACK/BLANK								
850	GREY								
1900	BROWN								
SECTOR	CABLE TYPE	COLOR							
X	COAX JUMPER	RED							
Y	COAX JUMPER	WHITE							
Z	COAX JUMPER	BLUE							
EXAMPLE	COLOR CODE FOR LTE FOR 700MHz -1 ORANGE WRAP, 1 BLACK OR LEAVE BLANK (CABLE COLOR IS ALREADY BLACK) ON POWER / FIBER TRUNK								
	COLOR CODE FOR GSM/UMTS FOR 850 MHz - 1 YELLOW WRAP, 1 GREY								



RRU POWER COLOR CODE CDMA/LTE

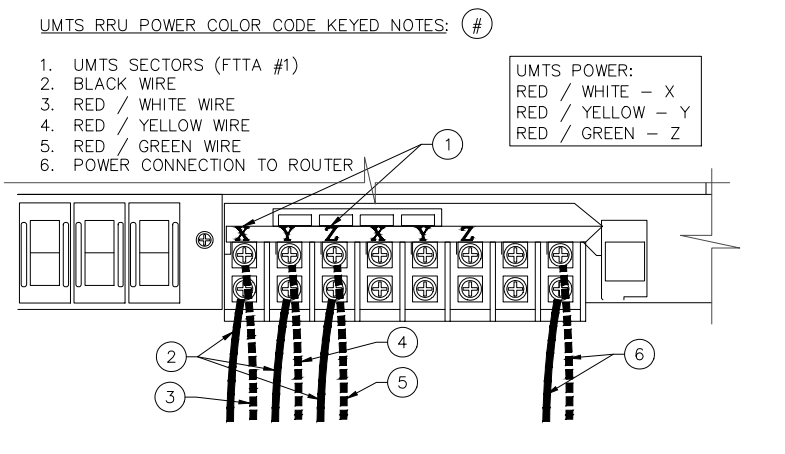
NTS

6

NOT USED

NTS

3



RRU POWER COLOR CODE UMTS

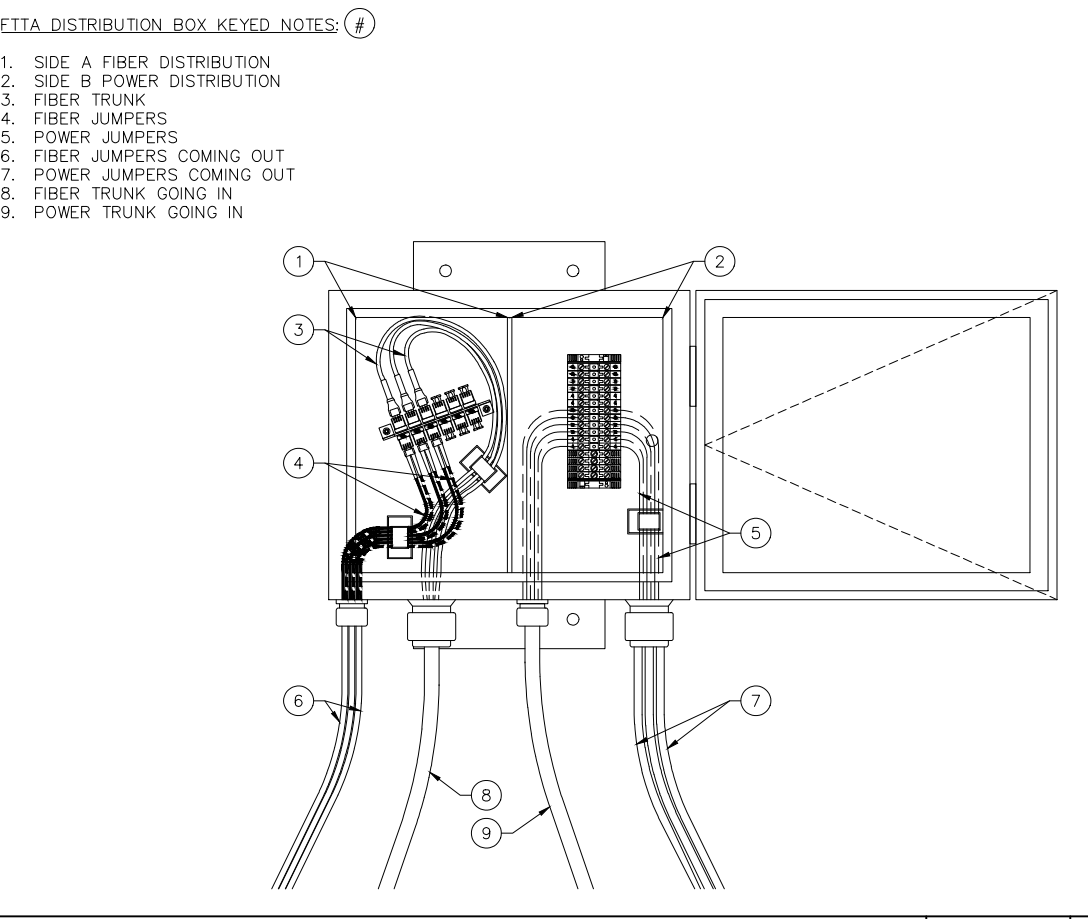
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5

FTTA CONNECTION BOX

NTS

2



NTS

7

FTTA POWER CONNECTION

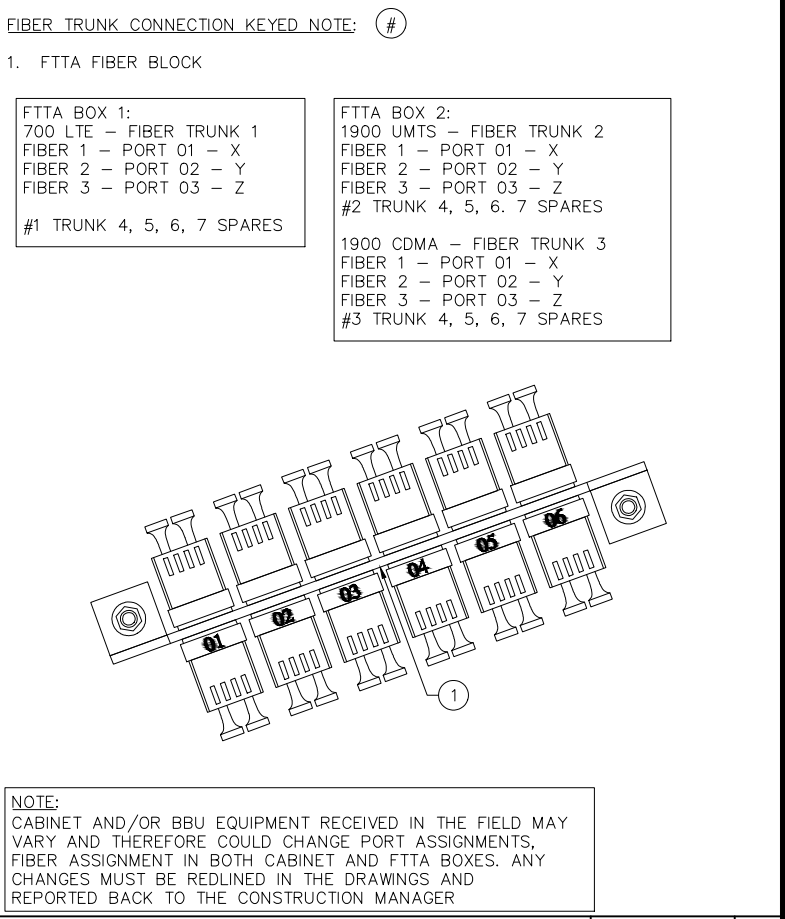
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4

FIBER TRUNK CONNECTION

NTS

1




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604 FOX GLEN
BARRINGTON, IL 60010
TELEPHONE: 847.277.0070
FAX : 847.277.0080
ae@westchesterservices.com

JOHN M. BANKS
ARCHITECT
604 FOX GLEN
BARRINGTON, IL 60010
TELEPHONE: 847-277-0070
FAX : 847-277-0080
jbanks@westchesterservices.com

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J	11/11/20	90% CD FOR REVIEW	DWM

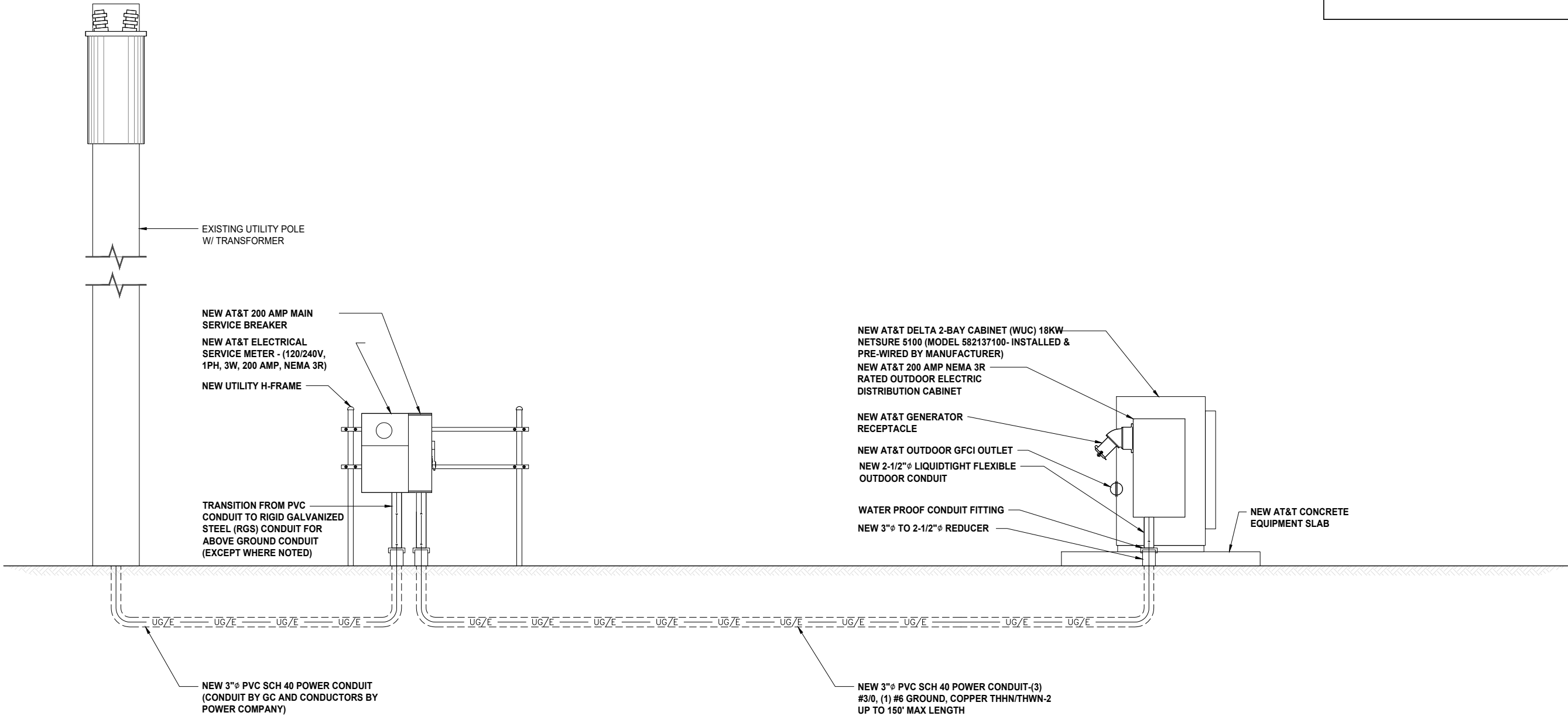
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SHEET TITLE
COMMNET EQUIPMENT
DETAILS & SPECIFICATIONS

SHEET NUMBER
A-4.6

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SYMBOLS KEY

- DISCONNECT SWITCH
- UTILITY METER
- CIRCUIT BREAKER
- FUSE
- GENERATOR
- LIGHT SWITCH



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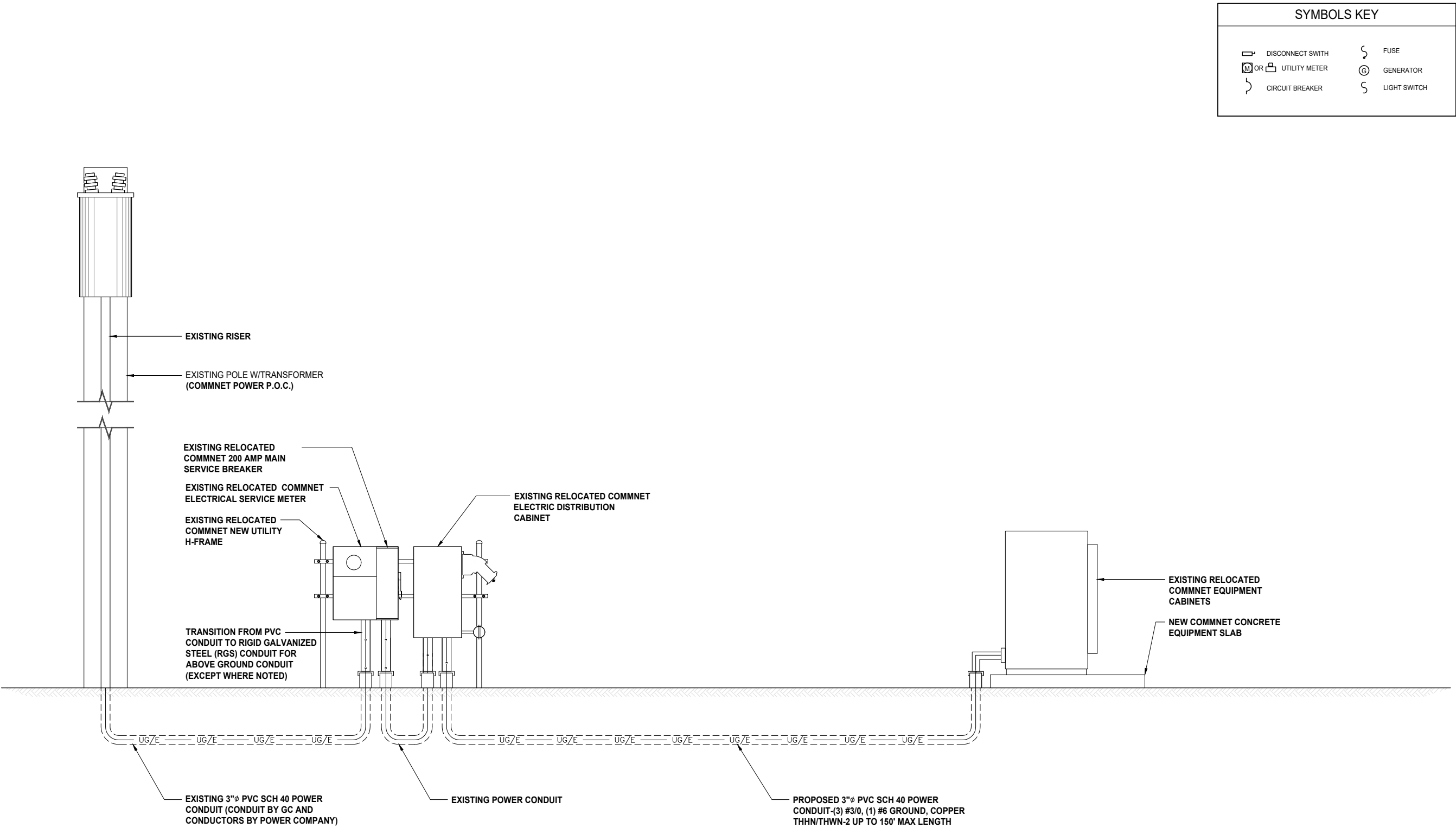
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1-LINE DIAGRAM &
SYMBOLS KEY
AT&T

SHEET NUMBER

E-1.0

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SYMBOLS KEY			
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	UTILITY METER		GENERATOR
	CIRCUIT BREAKER		LIGHT SWITCH



Commnet
Connecting Rural America



SAC
A Nokia company
5015 SHOREHAM PLACE, SUITE 150
SAN DIEGO, CA 92122
www.sacw.com



**WESTCHESTER
SERVICES LLC**
604 FOX GLEN
BARRINGTON, IL 60010
TELEPHONE: 847.277.0070
FAX : 847.277.0080
ae@westchesterservices.com

**JOHN M. BANKS
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BARRINGTON, IL 60010
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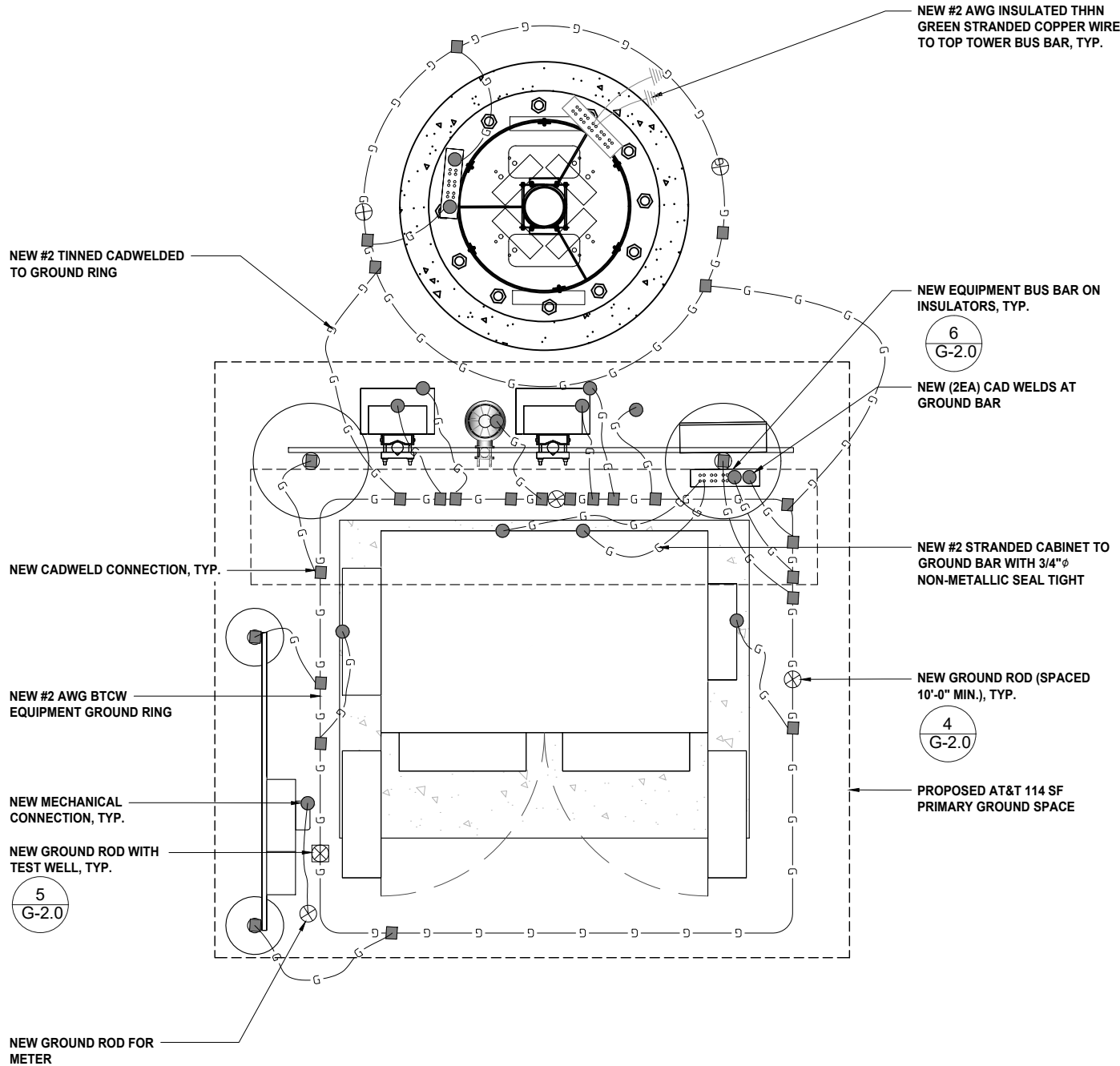
SHEET TITLE

1-LINE DIAGRAM &
SYMBOLS KEY
COMMNET

SHEET NUMBER

E-1.1

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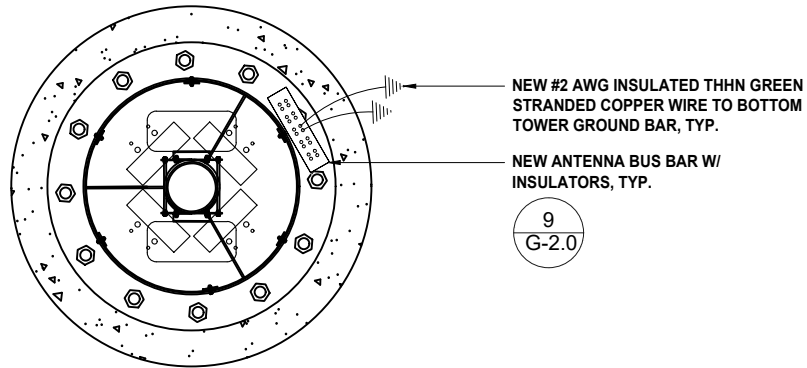


PROPOSED AT&T EQUIPMENT GROUNDING PLAN

0 3" 6" 1'

SCALE: 3/4"=1'-0" (22x34)
(OR) 3/8"=1'-0" (11x17)

2



PROPOSED AT&T ANTENNA GROUNDING PLAN

0 3" 6" 1'

SCALE: 3/4"=1'-0" (22x34)
(OR) 3/8"=1'-0" (11x17)

1



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5015 SHOREHAM PLACE, SUITE 150
SAN DIEGO, CA 92122
www.sacw.com



604 FOX GLEN
BARRINGTON, IL 60010
TELEPHONE: 847.277.0070
FAX : 847.277.0080
ae@westchesterservices.com

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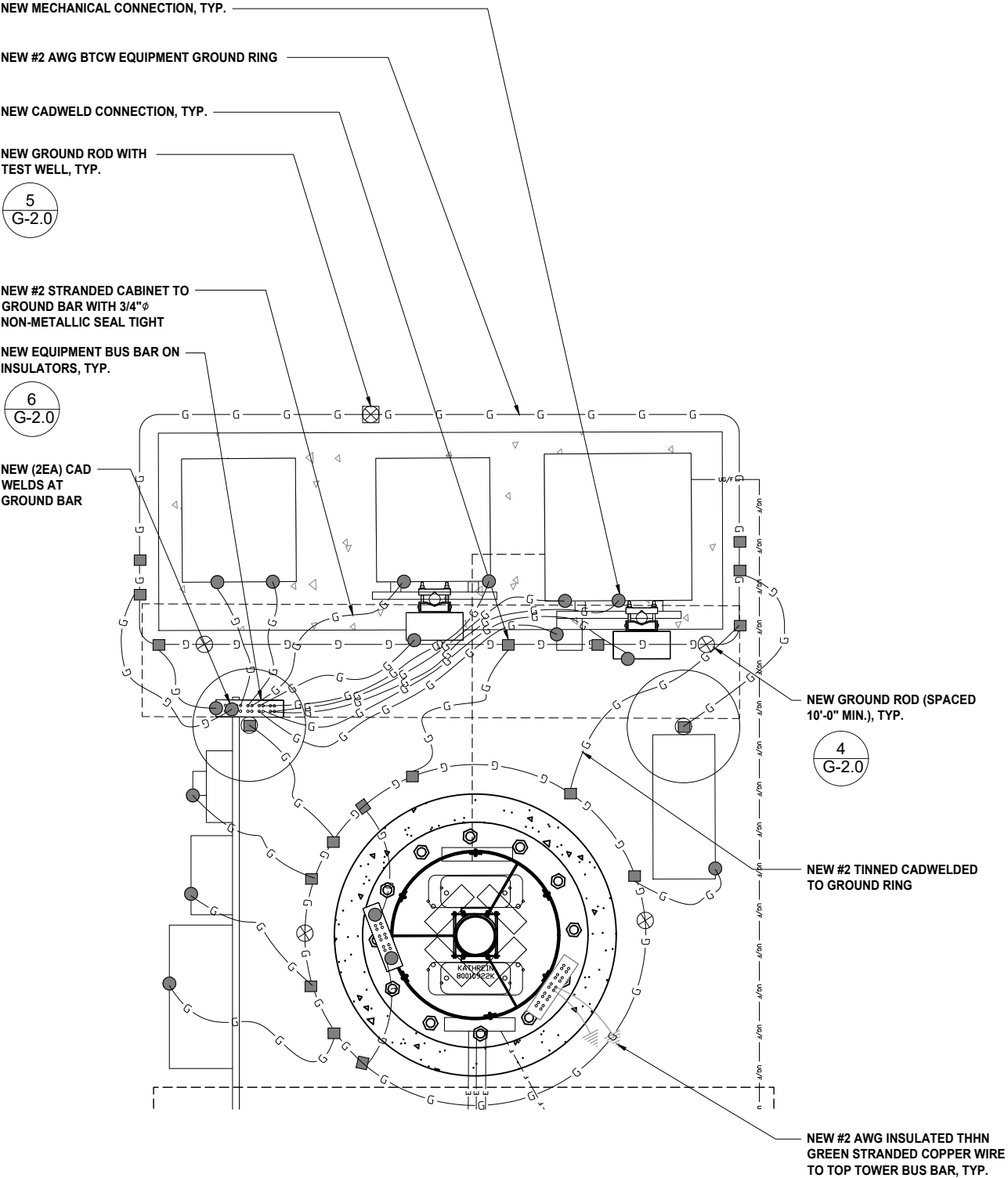
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AT&T EQUIPMENT &
ANTENNA GROUNDING
PLANS

SHEET NUMBER

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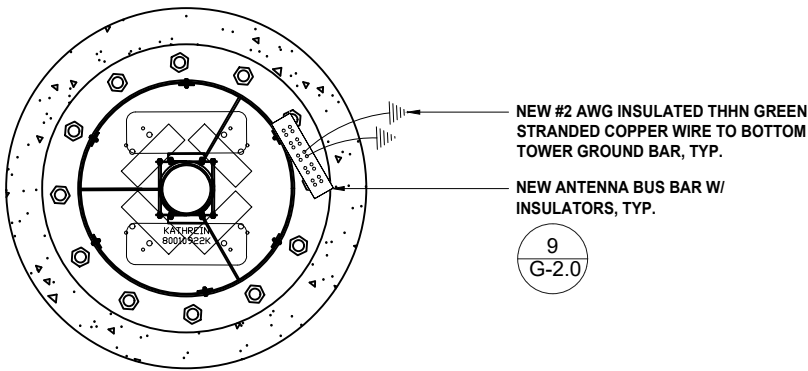


PROPOSED COMMNET EQUIPMENT GROUNDING PLAN



SCALE: 3/4"=1'-0" (22x34)
(OR) 3/8"=1'-0" (11x17)

2



PROPOSED COMMNET ANTENNA GROUNDING PLAN



SCALE: 3/4"=1'-0" (22x34)
(OR) 3/8"=1'-0" (11x17)

1



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A Nokia company
5015 SHOREHAM PLACE, SUITE 150
SAN DIEGO, CA 92122
www.sacw.com



604 FOX GLEN
BARRINGTON, IL 60010
TELEPHONE: 847.277.0070
FAX : 847.277.0080
ae@westchesterservices.com

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BARRINGTON, IL 60010
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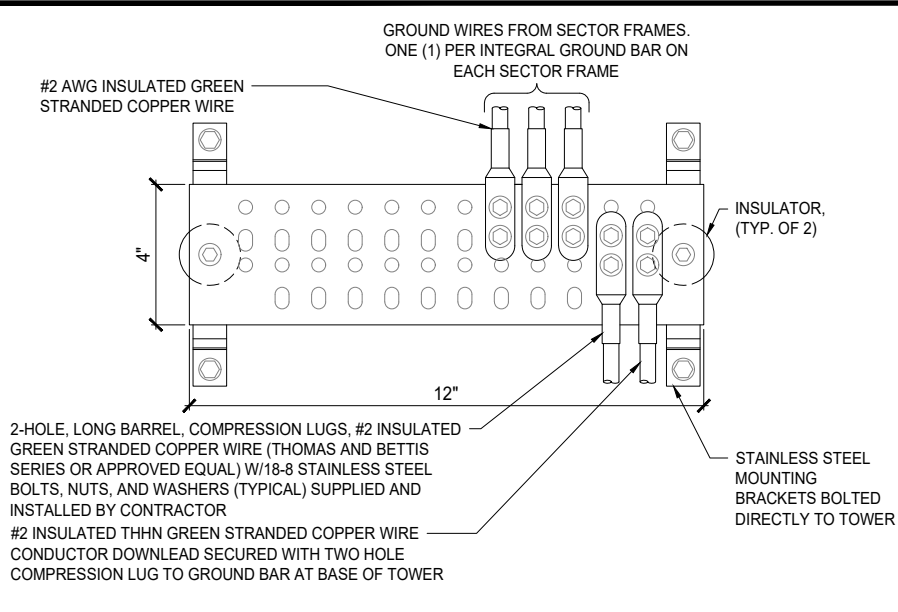
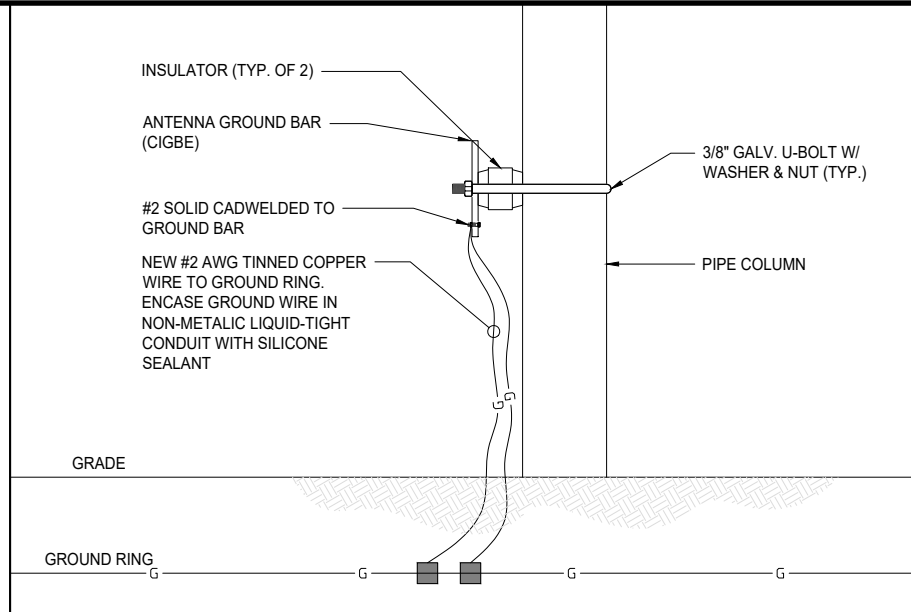
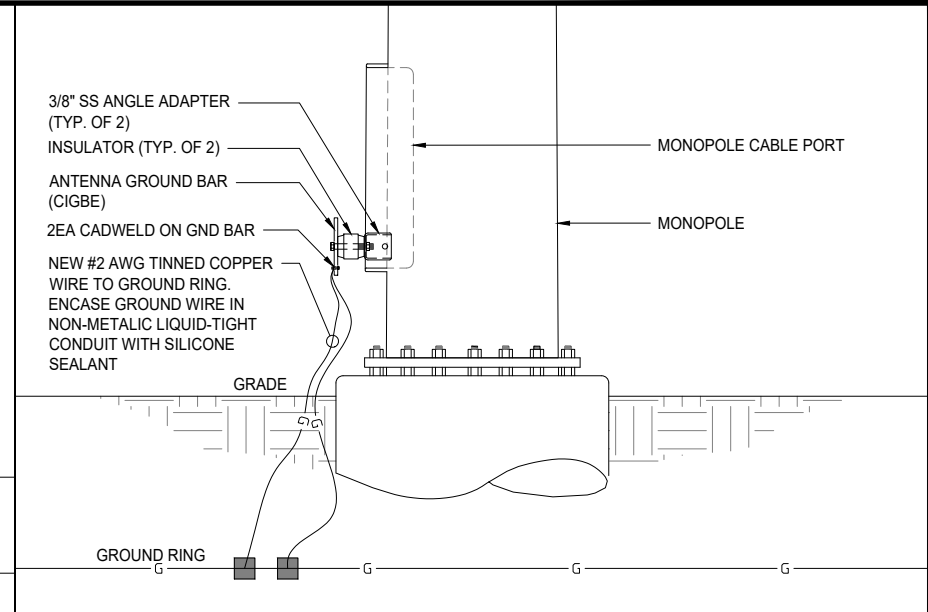
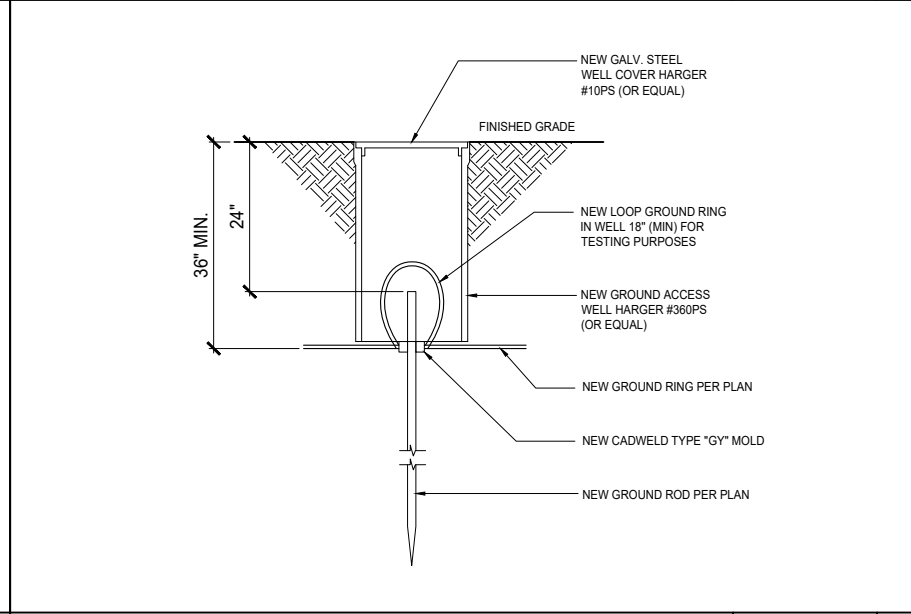
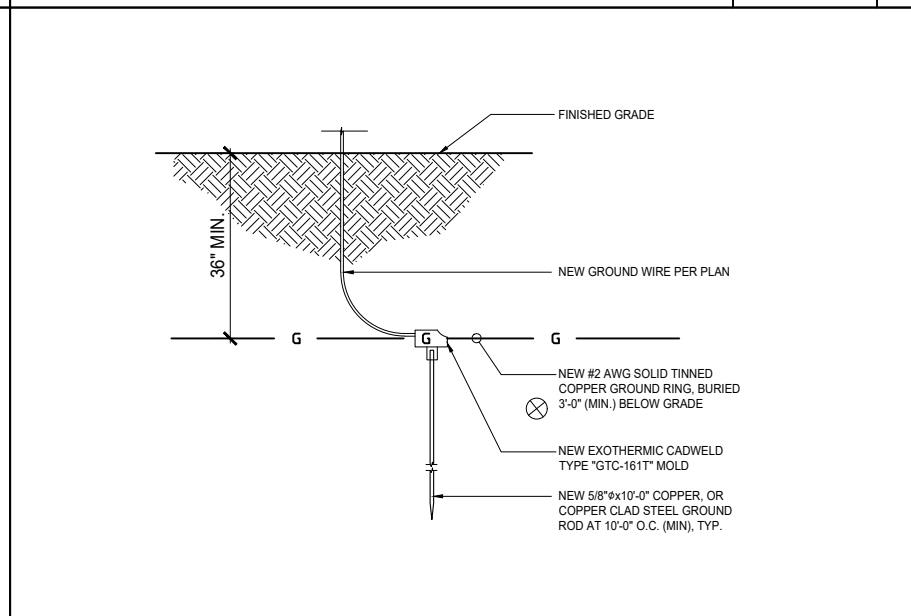
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COMMNET ANTENNA
GROUNDING PLANS

SHEET NUMBER

G-1.1

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		GROUND BAR DETAIL		NTS	NUMBER			NTS	6			NTS	3
		TEST WELL		NTS	#			NTS	#	<div><div><div></div><div>COPPER GROUND ROD</div></div><div><div></div><div>MECHANICAL CONNECTION</div></div><div><div></div><div>CADWELD CONNECTION</div></div><div><div></div><div>FIELD VERIFY & TIE INTO EXISTING GROUNDING SYSTEM</div></div><div><div></div><div>TEST WELL</div></div><div><div></div><div>GROUND BAR</div></div><div><div></div><div>GROUNDING WIRE</div></div></div> <div><div>GROUNDING LEGEND</div><div>SCALE N.T.S.</div><div>2</div></div> <div><div><div>1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS.</div><div>2. GROUND ALL ANTENNA BASES, FRAMES, CABLE RUNS, AND OTHER METALLIC COMPONENTS USING GROUND WIRES AND CONNECT TO SURFACE MOUNTED BUS BARS, FOLLOW ANTENNA AND BTS MANUFACTURES PRACTICES FOR GROUNDING REQUIREMENTS. GROUND COAX SHIELDS AT BOTH ENDS AND EXIT FROM TOWER OR POLE USING MFR'S PRACTICES.</div><div>3. ALL GROUND WIRE SHALL BE GREEN INSULATED WIRE ABOVE GROUND.</div><div>4. CONTRACTOR TO VERIFY AND TEST GROUND TO SOURCE. GROUNDING AND OTHER OPERATIONAL TESTING WILL BE WITNESSED BY A AT&T REPRESENTATIVE.</div><div>5. CONTRACTOR TO ABIDE BY ALL AT&T SAFETY STANDARDS DURING SITE CONSTRUCTION.</div><div>6. CONTRACTOR SHALL REFER TO AT&T STANDARDS FOR GROUNDING CONNECTIONS & INSTALLATION METHODS.</div><div>7. NOTIFY CONSTRUCTION MANAGER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.</div><div>8. GROUNDING ROD NOTES (WHERE APPLICABLE)</div><div>9. ELECTRICAL CONTRACTOR SHALL PERFORM AND PROVIDE THE GROUND RESISTANCE TESTING WITH AN APPROVED EQUIPMENT DEVICE THAT HAS A CURRENT CALIBRATION. TEST RESULTS SHALL NOT EXCEED 5 OHMS.</div></div></div>			
NOT USED		GROUND ROD		NTS	#	GENERAL GROUNDING NOTES		SCALE N.T.S.	1				



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SAC
A Nolina company
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SAN DIEGO, CA 92122
www.sacw.com



WESTCHESTER
SERVICES LLC
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BARRINGTON, IL 60010
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FAX : 847.277.0080
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FIRSTNET
RICO
NML02707A
119 S. GLASGOW AVE
RICO, CO 81332

SHEET TITLE

GROUNDING NOTES & DETAILS

SHEET NUMBER

G-2.0