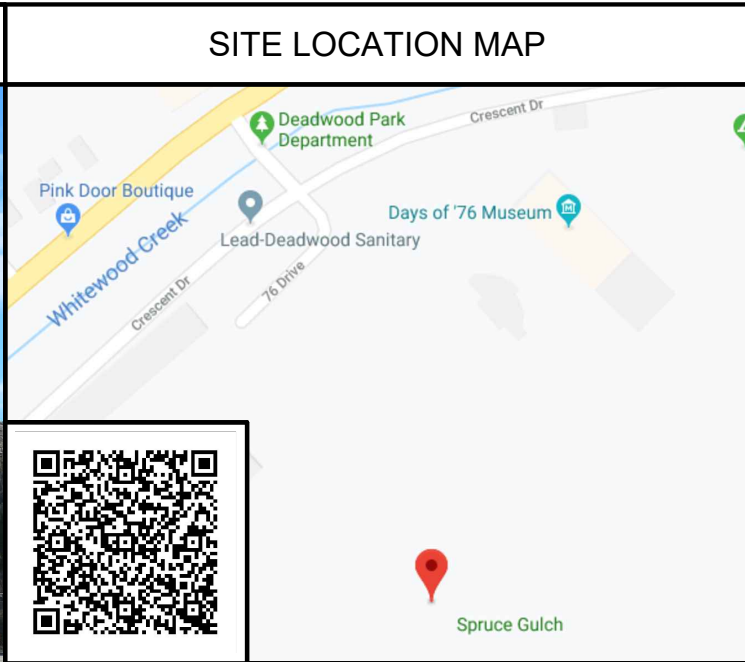




POLE LOCATION

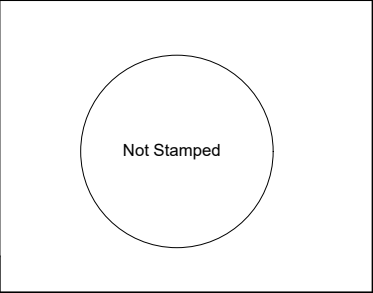


SITE LOCATION MAP

SD01 DAYS OF 76 SC1
DEADWOOD SD 57732

verizon
10801 Bush Lake Rd
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952.946.4694 voice

DESIGN 1
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PROJECT DESCRIPTION			SHEET INDEX	
WORK ITEM	SUPPLIED BY	INSTALLED BY	SHEET	SHEET DESCRIPTION
VERIZON OWNED EQUIPMENT	VERIZON	CONTRACTOR	TITLE SHEET	PROJECT INFORMATION, MAPS, DIRECTIONS, & SHEET INDEX
CABLING	CONTRACTOR	CONTRACTOR	SHEET 1	SITE PLAN
(1) RAYCAP BOX	CONTRACTOR	CONTRACTOR	SHEET 2	ELEVATION, ANTENNA & EQUIPMENT KEY, ANTENNA PLAN
(1) HAND HOLE	FIBER PROVIDER	FIBER PROVIDER	SHEET 3	MOUNTING DETAILS & PLANS
(1) PROPOSED POLE	VERIZON	CONTRACTOR	SHEET 4	EQUIPMENT DETAILS
2" CONDUIT/DUCT (FOR ELECTRICAL RUN)	CONTRACTOR	CONTRACTOR	SHEET 5	FIBER & POWER ROUTING PLAN
ELECTRICAL RUN	BLACK HILLS ENERGY	BLACK HILLS ENERGY	SHEET 6	FIBER & POWER DETAILS, GROUNDING PLAN
FIBER FROM FIBER HAND HOLE TO EQUIPMENT	CONTRACTOR	CONTRACTOR	SHEET 7	GENERAL NOTES
			1	SURVEY

NOT FOR CONSTRUCTION

PROJECT NO: 20181833009
LOCATION CODE: 500526
CHECKED BY: TAB

SD01 DAYS OF 76 SC1
40 CRESCENT DR
DEADWOOD, SD 57732

SUBMITTAL:

INITIAL:	DATE:	DESCRIPTION:
ET	06-10-19	REV. A
RB	07-22-19	REV. B
NPR	08-26-19	REV. C
ATJ	10-16-19	REV. D
SWS	02-13-20	REV. E
ATJ	10-23-23	REV. F
ATJ	12-06-23	REV. G

STRUCTURAL ANALYSIS:

DATE:	DESCRIPTION:

RFDS:

DATE:	

PLOT DATE	12-06-23
SET TYPE	LESSOR SIGNOFF
SHEET TITLE	TITLE SHEET
SHEET NUMBER	TITLE

SITE INFORMATION

APPROX. ADDRESS: 40 CRESCENT DR
DEADWOOD, SD 57732

SITE COORDINATES: N 44° 23' 03.37" (NAD83)
W 103° 43' 00.40" (NAD83)

PROJECT NUMBER: 20181833009

LOCATION CODE: 500526

EXISTING POLE TYPE: N/A

EXISTING POLE FINISH: N/A

NEW POLE MATERIAL: ALUMINUM

NEW POLE FINISH: PAINT

PAINT CODE: SW 6993" BLACK OF NIGHT"

POLE DISPOSAL INFORMATION: N/A

- NOTES**
- In the event that Special Inspections are not performed in compliance with the contract terms, bid specifications and/or specified form, the General Contractor will be liable for all damages, construction performance, failures, and corrective actions related to the same.
 - The following general notes shall apply to drawings and govern unless otherwise noted or specified.
 - The work delineated in these drawings and described in the specifications shall conform to codes, standards and regulations that have jurisdiction in the state of SD, and the city of Deadwood.
 - Requirements and regulations pertaining to R.F. safety codes and practices must be incorporated in the work even though they may not be listed individually and separately in either the drawings or the specifications.
 - Compare field conditions with drawings. Any discrepancies shall be directed to the designer for clarification prior to fabrication and/or construction. Submit necessary shop drawings prior to fabrication for approval by the designer. No information or details on these sheets may be used without the permission of the owner, or the designer.
 - Do not scale drawings!
 - Unless otherwise shown or noted, typical details shall be used where applicable.
 - Details shall be considered typical at similar conditions.
 - Safety measures: The contractor shall be solely and completely responsible for the conditions of the job site, including safety of the persons and property and for independent engineering reviews of these conditions. The designer's job site review is not intended to include review of the adequacy of the contractor's safety measures.
 - Within these plans and specifications, "Owner" implies VERIZON WIRELESS.
 - The work is the responsibility of the general contractor unless noted otherwise.
 - The terms "contractor" and "g.c." refer to the owner's general contractor and the general contractor's sub-contractors. It is the general contractor's responsibility to determine the division of work among sub-contractors.
 - The general contractor is responsible in obtaining necessary public and private underground utility locate services prior to start of excavating / construction.

DIRECTORY

PROPERTY OWNER:
CITY OF DEADWOOD

ASSET OWNER:
VERIZON WIRELESS
10801 BUSH LAKE RD.
BLOOMINGTON, MN 55438
CONTACT: AMANDA TURNER

POWER PROVIDER:
BLACK HILLS ENERGY
625 NINTH STREET
RAPID CITY, SD 57701
CONTACT: DREW HEID
PHONE: 605-206-2967

DESIGNER:
DESIGN 1 OF EDEN PRAIRIE
9973 VALLEY VIEW ROAD
EDEN PRAIRIE, MN 55344
PHONE: 952-903-9299

VERIZON REAL ESTATE MANAGER:
CONTACT: AMANDA TURNER
EMAIL: amanda.turner@verizonwireless.com



A OVERVIEW OF SITE

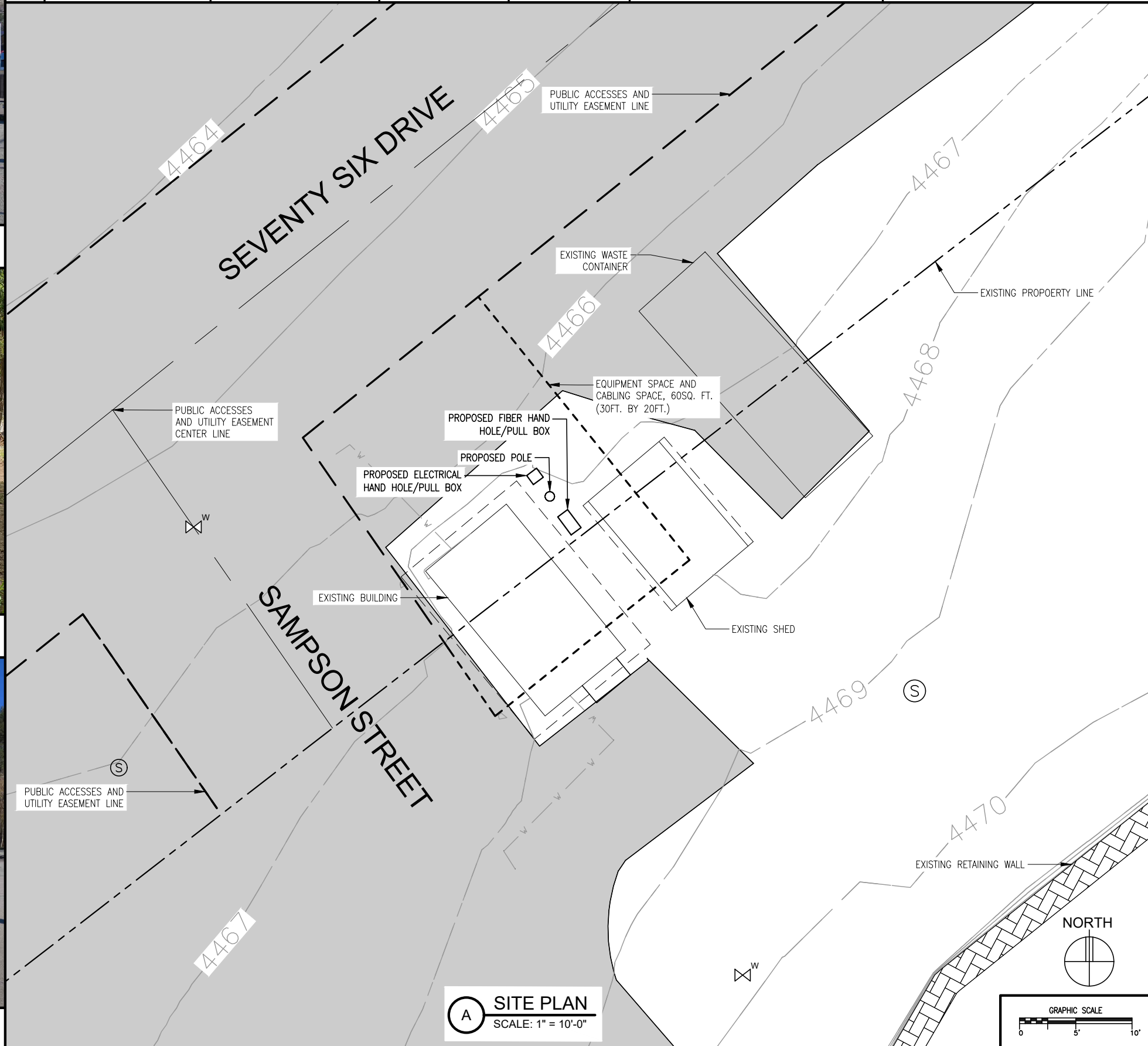


B OVERVIEW OF SITE

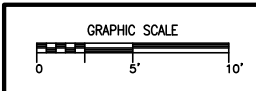


C OVERVIEW OF SITE

LEGEND	(E)	ELECTRIC MANHOLE	(T)	TELECOM MANHOLE	(EM)	ELECTRIC METER	(WH)	WATER HYDRANT	(DHE)	OVERHEAD ELECTRIC LINE	(S)	UNDERGROUND SANITARY SEWER LINE
	(HE)	ELECTRIC HAND-HOLE	(U)	UTILITIES MANHOLE	(GM)	GAS METER	(UP)	UTILITY POLE	(UGE)	UNDERGROUND ELECTRIC LINE	(SS)	UNDERGROUND STORM SEWER LINE
	(HT)	TELECOM HAND-HOLE	(W)	WATER MANHOLE	(GV)	GAS VALVE	(LP)	LIGHT POLE	(UGT)	UNDERGROUND TELCO LINE	(X)	FENCE
	(S)	SANITARY SEWER MANHOLE	(EP)	ELECTRICAL PEDESTAL	(WV)	WATER VALVE	(S)	SIGN	(GAS)	UNDERGROUND GAS LINE	(TREE)	TREE
	(ST)	STORM SEWER MANHOLE	(TP)	TELCO PEDESTAL	(WCS)	WATER CURB STOP	(W)	UNDERGROUND WATER LINE	(SCB)	STORM CATCH BASIN (SHAPE VARIES)	(SCB)	STORM CATCH BASIN (SHAPE VARIES)



A SITE PLAN
SCALE: 1" = 10'-0"



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DESIGN 1

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PROJECT NO:	20181833009
LOCATION CODE:	500526
CHECKED BY:	TAB

SD01 DAYS OF 76 SC1

40 CRESCENT DR
DEADWOOD, SD 57732

SUBMITTAL:		
INITIAL:	DATE:	DESCRIPTION:
ET	06-10-19	REV. A
RB	07-22-19	REV. B
NPR	08-26-19	REV. C
ATJ	10-16-19	REV. D
SWS	02-13-20	REV. E
ATJ	10-23-23	REV. F
ATJ	12-06-23	REV. G

STRUCTURAL ANALYSIS:	
DATE:	DESCRIPTION:

RFDS:	
DATE:	08-10-23

PLOT DATE	12-06-23
SET TYPE	LESSOR SIGNOFF
SHEET TITLE	SITE PLAN
SHEET NUMBER	SHEET 1

PROPOSED ANTENNA KEY															
NODE	AZIMUTH	POSITION	PORT	QTY	MANUFACTURER	MODEL	MOD TYPE	ANTENNA HEIGHT	ANTENNA WIDTH	ANTENNA WEIGHT	ANTENNA TIP	ANTENNA CENTER	ELEC DOWNTILT	MECH DOWNTILT	STATUS
SC1	310°	-	-	1	JMA	MX08FRO265-20	700+45	24.0"	20.0"	29.6 LBS	30.0'	29.0'	2'	0'	PROPOSED
-	-	-	-	-	-	-	700-45	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	850+45	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	850-45	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	PCS+45	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	PCS-45	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	AWS+45	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	AWS-45	-	-	-	-	-	-	-	-
SC1	310°	-	-	1	ERICSSON	AIR1652_B77D	CBAND	21.3"	8.1"	31.0 LBS	27.0'	26.1'	1'	0'	PROPOSED
SC1	310°	-	-	1	ERICSSON	KRE105281/1	CBRS	7.8"	7.8"	1.8 LBS	23.8'	23.2'	8'	0'	PROPOSED

PROPOSED EQUIPMENT KEY			
QTY.	MANUFACTURER	MODEL	STATUS
1	ERICSSON	4490	PROPOSED
-	-	-	-
-	-	-	-
1	ERICSSON	4455	PROPOSED
-	-	-	-
-	-	-	-
-	-	-	-
1	ERICSSON	4408 B48 AC	PROPOSED

PROPOSED ADDITIONAL EQUIPMENT:
 (1) RAYCAP BOX, MODEL# RSCAC-1333-PS-240
 (1) MILBANK U5871XL1005T9 LOAD CETER, OR EQUIVALENT

A ANTENNA AND EQUIPMENT KEY
 SCALE: N/A

NOTE:

THE VALMONT POLE WILL BE REQUIRED TO BE EMBEDDED A MINIMUM DISTANCE OF 12'-0" BELOW THE SURFACE GRADE. EXCAVATION SHALL BE SIZED SUCH THAT THE OUTSIDE DIAMETER OF THE EXCAVATED HOLE SHALL BE A MINIMUM OF 12" GREATER THAN THE DIAMETER OF THE POLE BUTT END. EXCAVATION TO BE TERMINATED 12" BELOW POLE BUTT END.

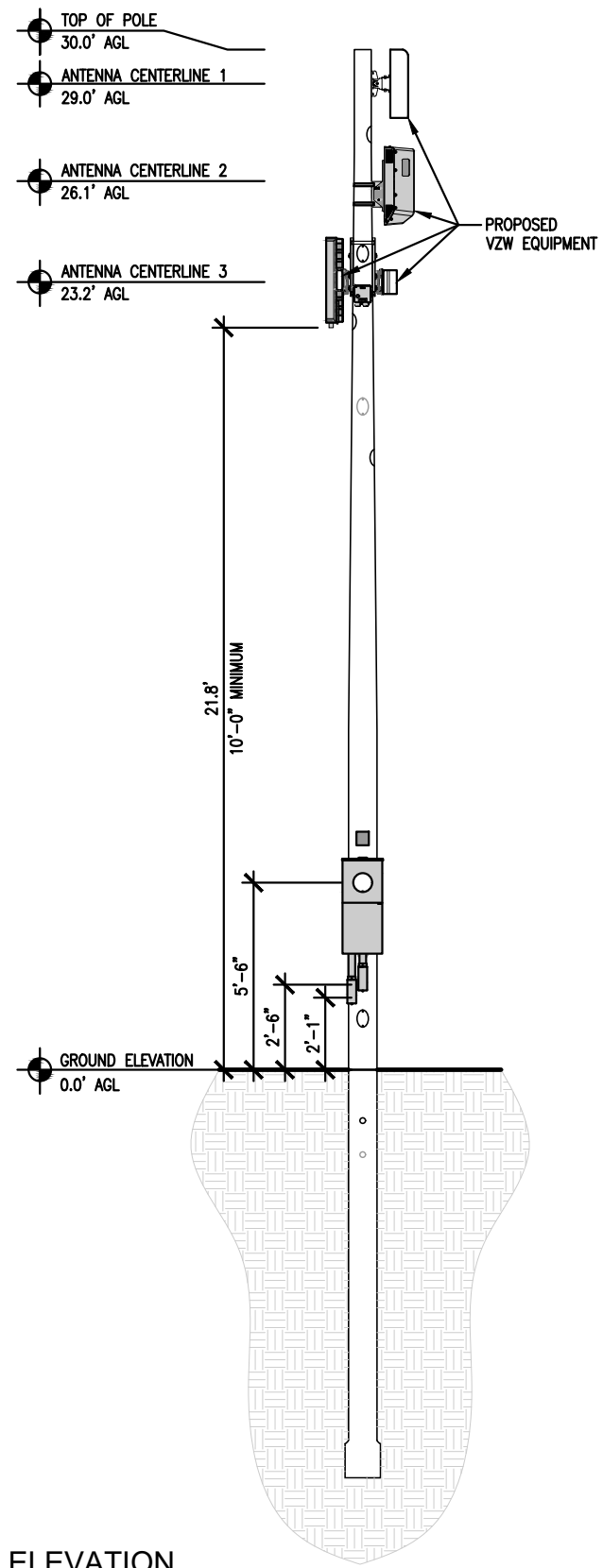
BACKFILL MATERIAL TO BE GRADED AND WELL-COMPACTED AGGREGATE MATERIAL. 12" OF BACKFILL MATERIAL SHALL BE PLACED AND WELL-COMPACTED AT THE BOTTOM OF THE EXCAVATION. BACKFILL MATERIAL SHALL BE PLACED AND WELL-COMPACTED IN LIFTS NOT TO EXCEED 6" IN THICKNESS. BACKFILL SHALL BE COMPACTED TO 95% STANDARD PROCTOR. BACKFILL SHALL BE WELL BANKED AND TAMPED AROUND THE POLE TO A HEIGHT OF 6" ABOVE GRADE.

PRESUMPTIVE SOIL CONDITIONS HAVE BEEN ASSUMED AS SITE SOIL CONDITIONS OR GEOTECHNICAL REPORT HAVE NOT BEEN PROVIDED FOR REVIEW AND ANALYSIS. OUR DESIGN HAS ASSUMED THE EXISTING SOILS AT THE SITE CONFORM TO 2015 MN BUILDING CODE - TABLE 1806.2, CLASS OF MATERIALS 5.) CLAY, SANDY CLAY, SILTY CLAY

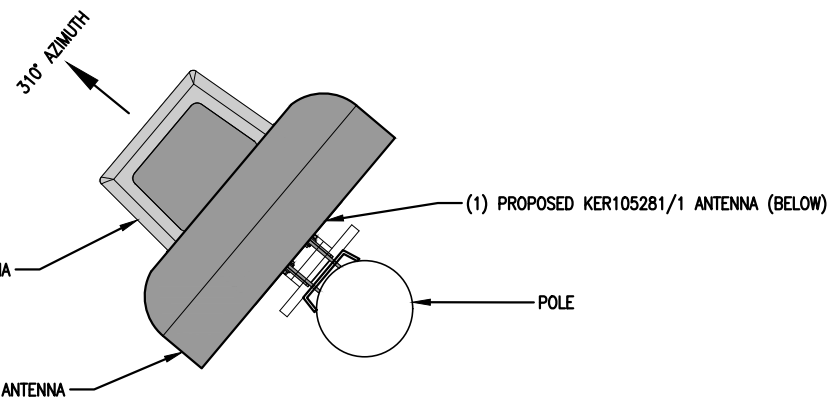
CLAYEY SILT SILT AND SANDY SILT (CL, ML, MH, AND CH) WITH THE FOLLOWING PRESUMED LOAD BEARING VALUES:
 VERTICAL FOUNDATION PRESSURE = 1,500 PSF
 LATERAL BEARING PRESSURE = 100 PSF/FT BELOW NATURAL GRADE

MINIMUM TOP 4" OF BACKFILL AROUND POLES SHALL BE TOPSOIL AND ALL DISTURBED AREAS MUST BE RESTORED WITH SEED OR SOD (SEE SHEET 6, SITE WORK, SPEC 02 8500)

IF BETTER SOILS ARE PRESENT AT THE SITE, THE CURRENT DESIGN IS SUFFICIENT. HOWEVER, IF WORSE SOILS ARE PRESENT, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY HERZOG ENGINEERING, LLC (612-844-1234) AS A REDISIGN MAY BE NECESSARY.



C NEW POLE ELEVATION
 SCALE: 3/16" = 1'-0"



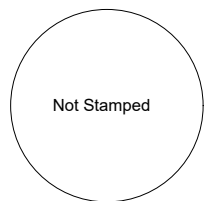
B ANTENNA PLAN
 SCALE: 1" = 1'-0"
 NORTH



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PROJECT NO:	20181833009
LOCATION CODE:	500526
CHECKED BY:	TAB

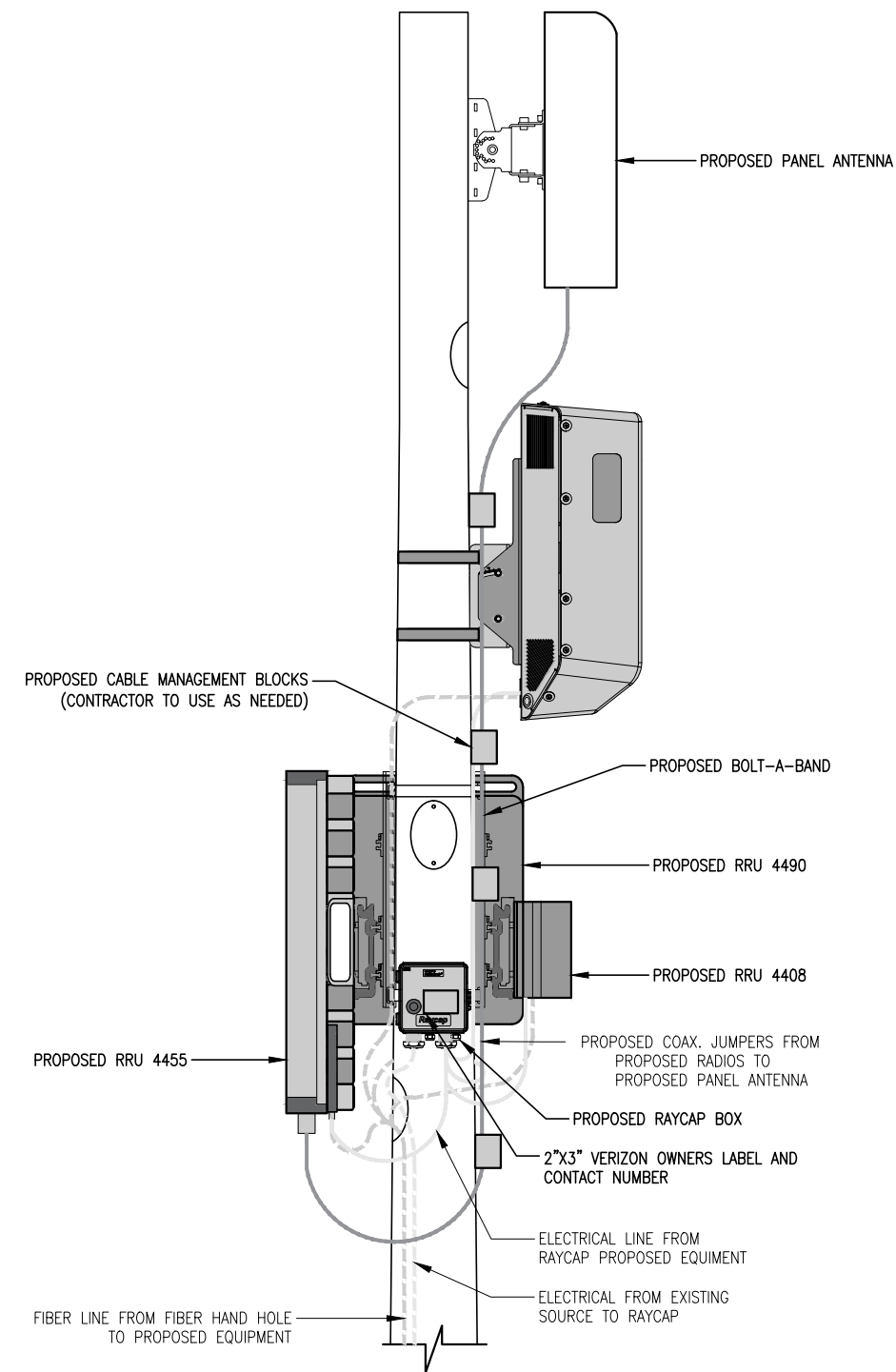
SD01 DAYS OF 76 SC1
 40 CRESCENT DR
 DEADWOOD, SD 57732

SUBMITTAL:		
INITIAL:	DATE:	DESCRIPTION:
ET	06-10-19	REV. A
RB	07-22-19	REV. B
NPR	08-26-19	REV. C
ATJ	10-16-19	REV. D
SWS	02-13-20	REV. E
ATJ	10-23-23	REV. F
ATJ	12-06-23	REV. G

STRUCTURAL ANALYSIS:	
DATE:	DESCRIPTION:

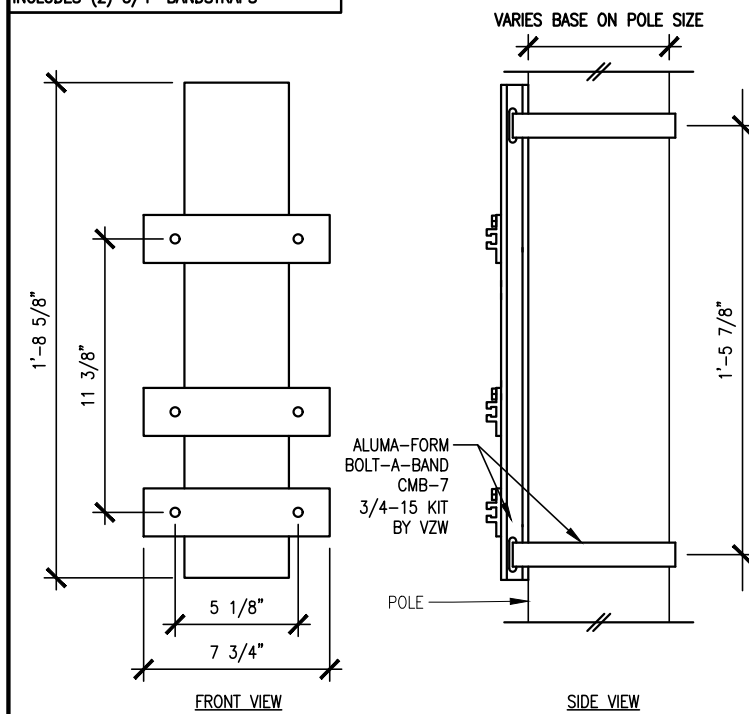
RFDS:	
DATE:	
08-10-23	

PLOT DATE	12-06-23
SET TYPE	LESSOR SIGNOFF
SHEET TITLE	ELEVATION & ANTENNA PLAN
SHEET NUMBER	SHEET 2



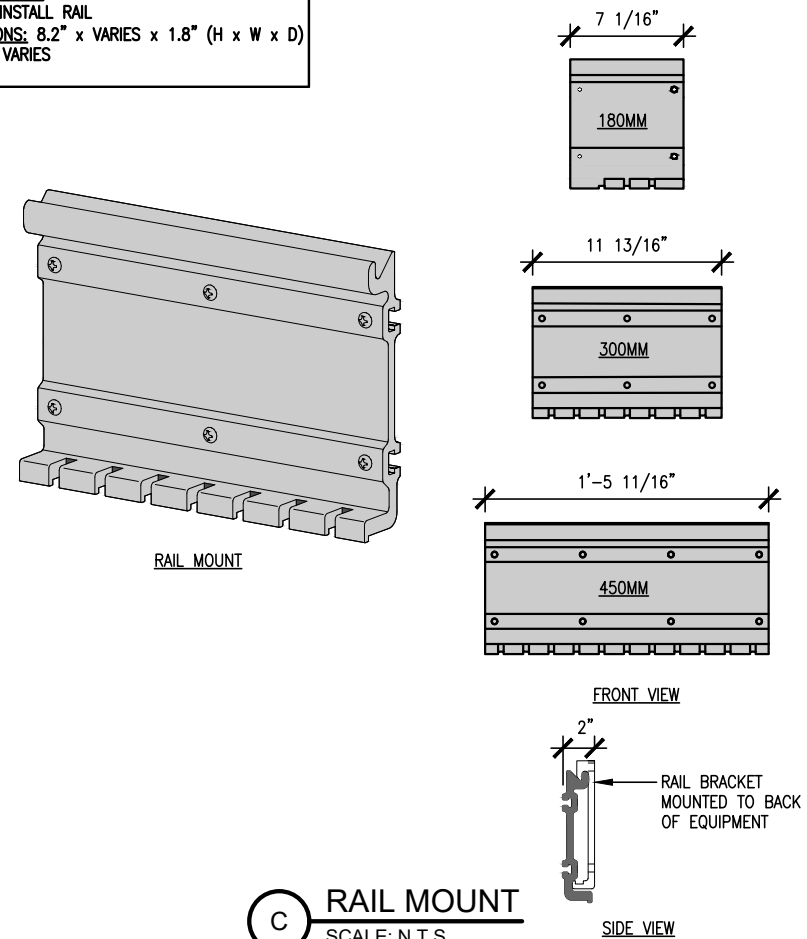
A ANTENNA AND EQUIPMENT MOUNTING DETAIL
SCALE: 3/4" = 1'-0"

MANUFACTURE: ALUMA-FORM
MODEL: CMB-7 3/4-3-11 KIT
DIMENSIONS: 20-5/8" x 7-3/4" (H x W)
WEIGHT: 3.44 LBS.
INCLUDES (2) 3/4" BANDSTRAPS

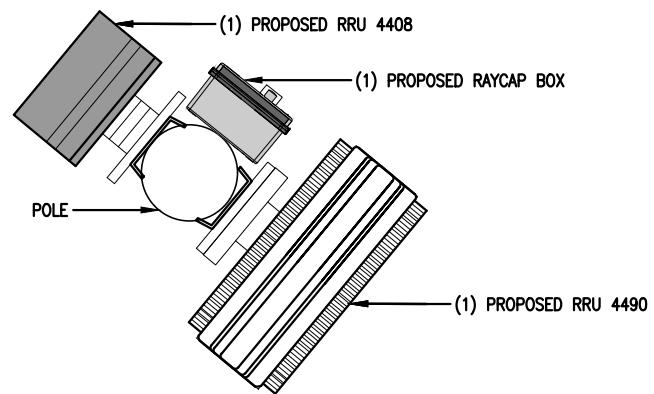


B BOLT-A-BAND
SCALE: N.T.S

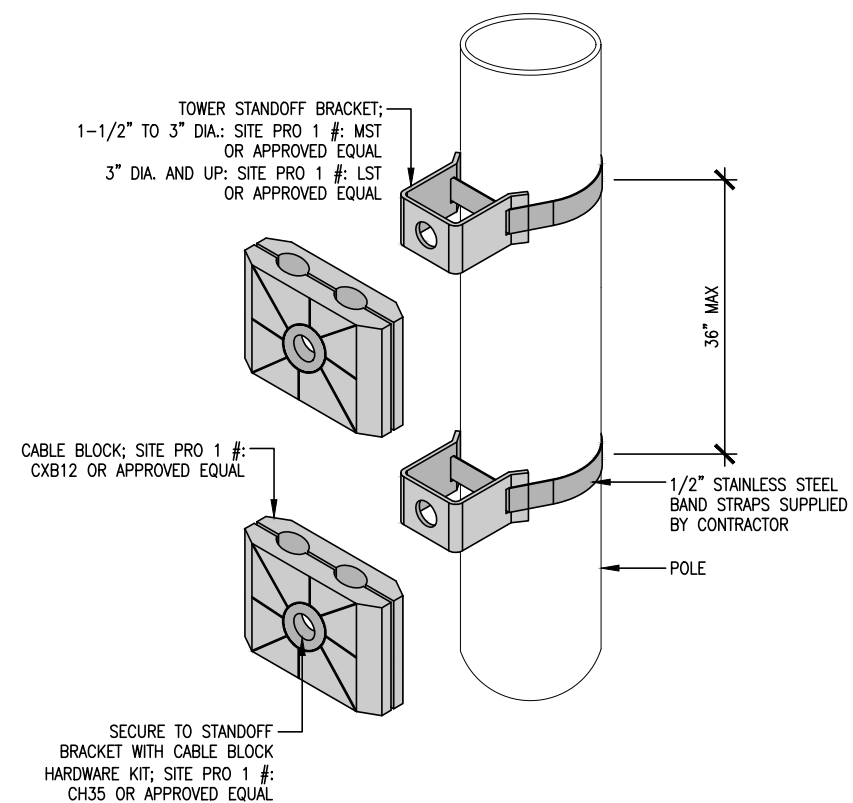
MANUFACTURE: ERICSSON
MODEL: INSTALL RAIL
DIMENSIONS: 8.2" x VARIES x 1.8" (H x W x D)
WEIGHT: VARIES



C RAIL MOUNT
SCALE: N.T.S



D EQUIPMENT PLAN
SCALE: 1" = 1'-0"



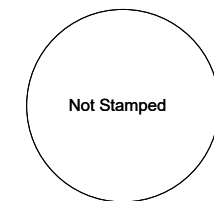
E TYP. CABLE MANAGEMENT
SCALE: N.T.S



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PROJECT NO:	20181833009
LOCATION CODE:	500526
CHECKED BY:	TAB

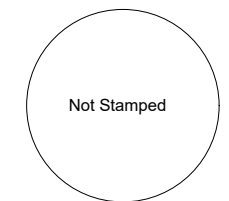
SD01 DAYS OF 76 SC1

40 CRESCENT DR
DEADWOOD, SD 57732

SUBMITTAL:		
INITIAL:	DATE:	DESCRIPTION:
ET	06-10-19	REV. A
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ATJ	10-16-19	REV. D
SWS	02-13-20	REV. E
ATJ	10-23-23	REV. F
ATJ	12-06-23	REV. G

STRUCTURAL ANALYSIS:	
DATE:	DESCRIPTION:
RFDS:	
DATE:	08-10-23

PLOT DATE	12-06-23
SET TYPE	LESSOR SIGNOFF
SHEET TITLE	MOUNTING DETAIL & PLANS
SHEET NUMBER	SHEET 3



NOT FOR
CONSTRUCTION

PROJECT NO:	20181833009
LOCATION CODE:	500526
CHECKED BY:	TAB

SD01 DAYS OF 76 SC1

40 CRESCENT DR
DEADWOOD, SD 57732

SUBMITTAL:		
INITIAL:	DATE:	DESCRIPTION:
ET	06-10-19	REV. A
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ATJ	10-23-23	REV. F
ATJ	12-06-23	REV. G

STRUCTURAL ANALYSIS:	
DATE:	DESCRIPTION:

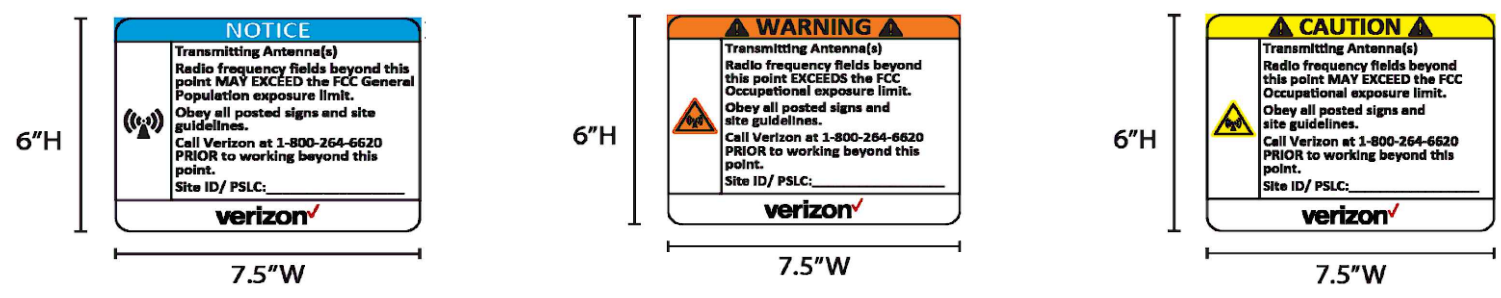
RFDS:	
DATE:	
08-10-23	

PLOT DATE	12-06-23
SET TYPE	LESSOR SIGNOFF
SHEET TITLE	EQUIPMENT DETAILS
SHEET NUMBER	SHEET 4

TUFF-SEAL BUSHING LIST

PART #	BUSHING SPEC	# OF HOLES	Ø OF EACH HOLE	HUB SIZE
RSR-500-2	SRB-500-2	2	.500/.375	1 1/2"
RSR-508-2	SRB-508-2	2	0.5	1 1/2"
RSR-510-2	SRB-510-2	2	0.625	1 1/2"
RSR-506-3	SRB-506-3	3	0.375	1 1/2"

B TUFF-SEAL BUSHING
SCALE: N.T.S



NOTES:
1. THE GC IS TO CONFIRM WITH VZW CE ON THE PROPER COLOR AND HEIGHT THE RF SIGNS ARE TO BE ATTACHED TO THE POLE.

A RF WARNING SIGNS
SCALE: N.T.S



C OVERVIEW OF SITE



D OVERVIEW OF SITE



E OVERVIEW OF SITE

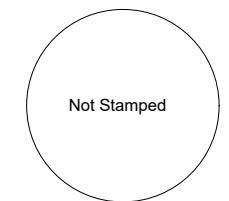
- NOTE:
1. G.C. TO ADHERE TO BLACK HILLS ENERGY HANDBOOK TRENCH AND BORE REQUIREMENTS, INCLUDING REMOVAL OF ROCK, AND PROVIDING SAND BED.
 2. 911 ADDRESS OF SITE MUST BE POSTED ON METER SOCKET, ALONG WITH CUSTOMER NAME.
 3. ALL TREES IN UTILITY RIGHT OF WAY MUST BE CUT AND REMOVED.



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LOCATION CODE:	500526
CHECKED BY:	TAB

SD01 DAYS OF 76 SC1

40 CRESCENT DR
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SUBMITTAL:		
INITIAL:	DATE:	DESCRIPTION:
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ATJ	10-16-19	REV. D
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ATJ	10-23-23	REV. F
ATJ	12-06-23	REV. G

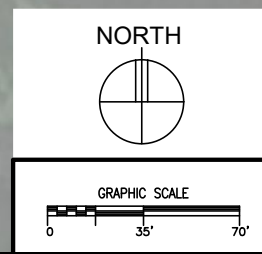
STRUCTURAL ANALYSIS:	
DATE:	DESCRIPTION:

RFDS:	
DATE:	
08-10-23	

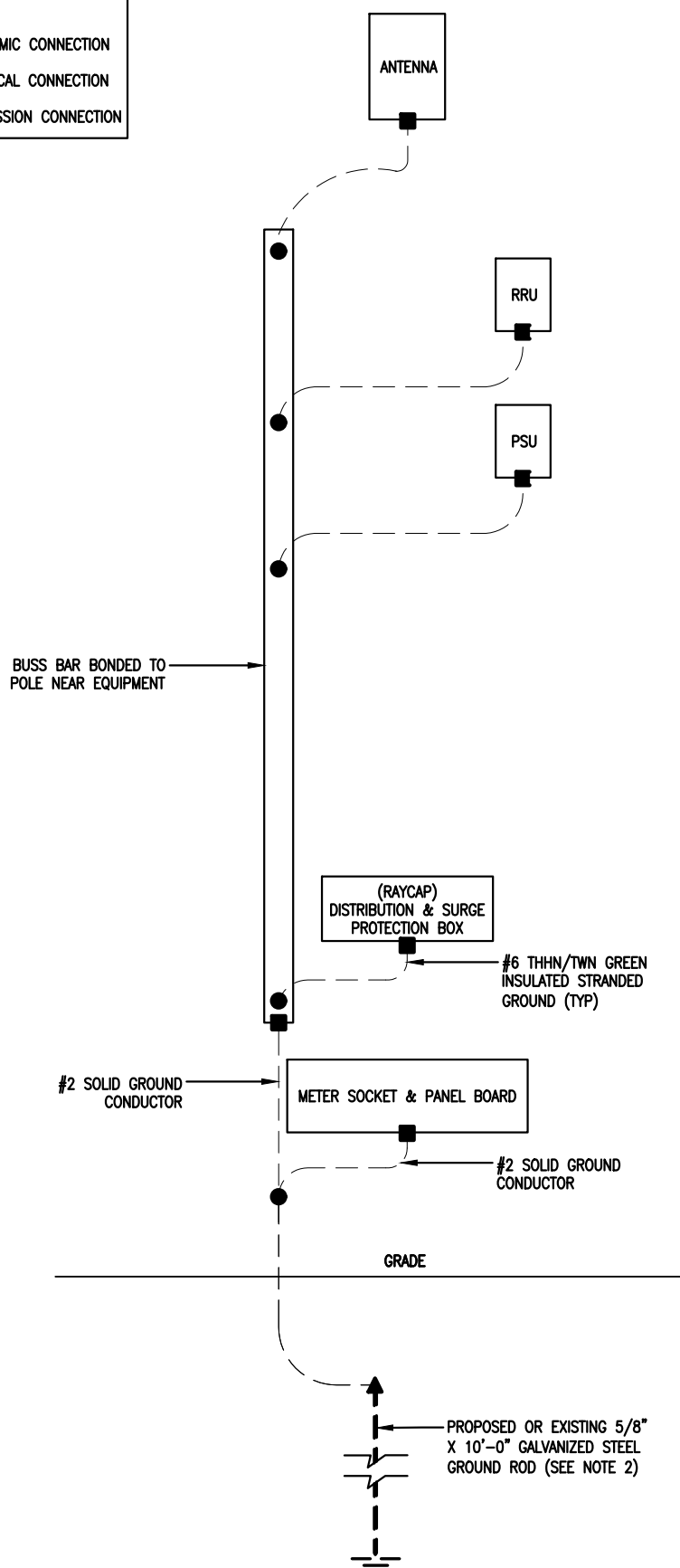
PLOT DATE	12-06-23
SET TYPE	LESSOR SIGNOFF
SHEET TITLE	FIBER AND POWER ROUTING PLAN
SHEET NUMBER	SHEET 5



A UTILITY PLAN
SCALE: 1" = 70'-0"

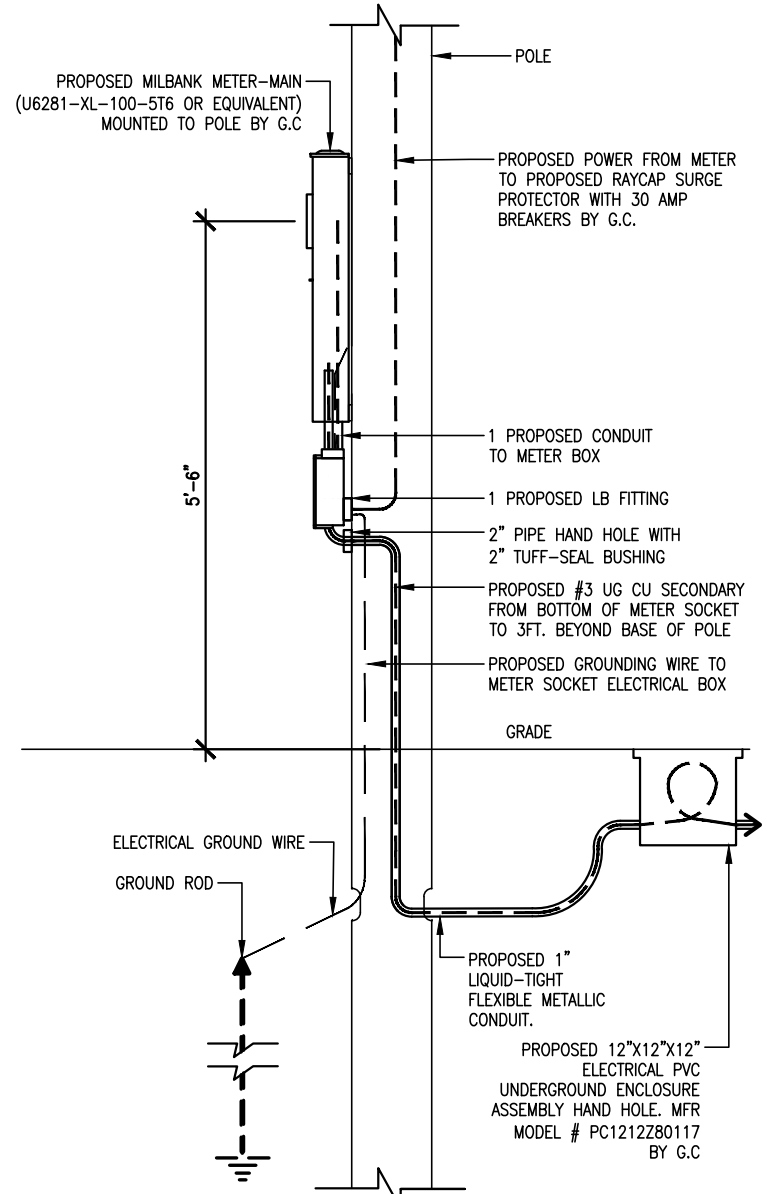
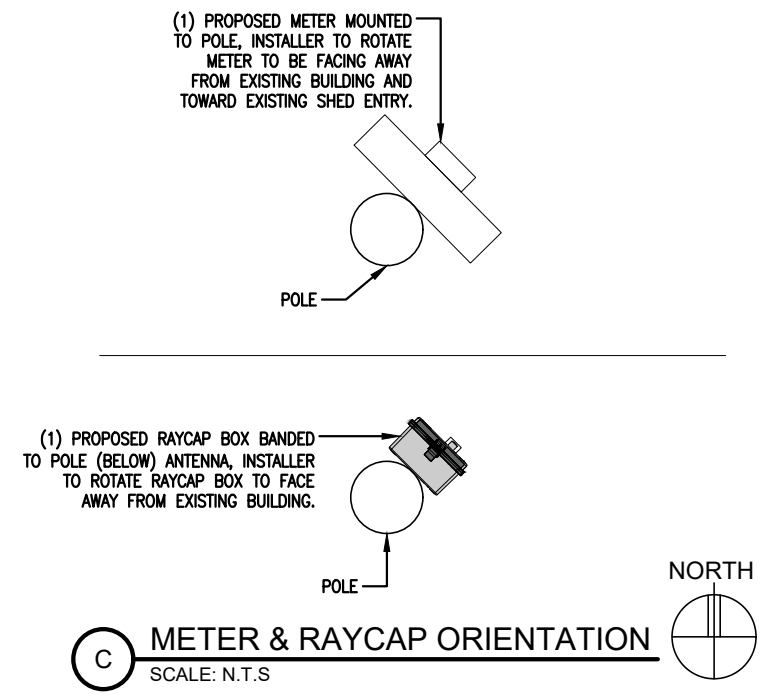


- LEGEND:**
- ▲ EXOTHERMIC CONNECTION
 - MECHANICAL CONNECTION
 - COMPRESSION CONNECTION

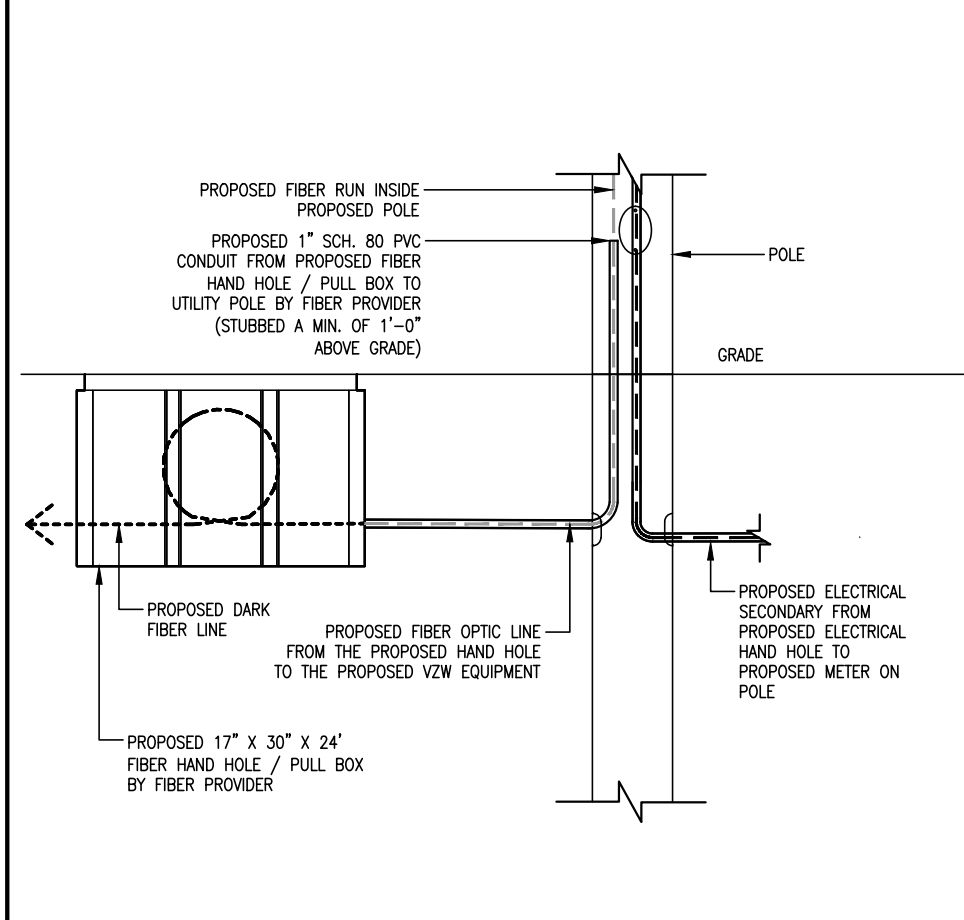
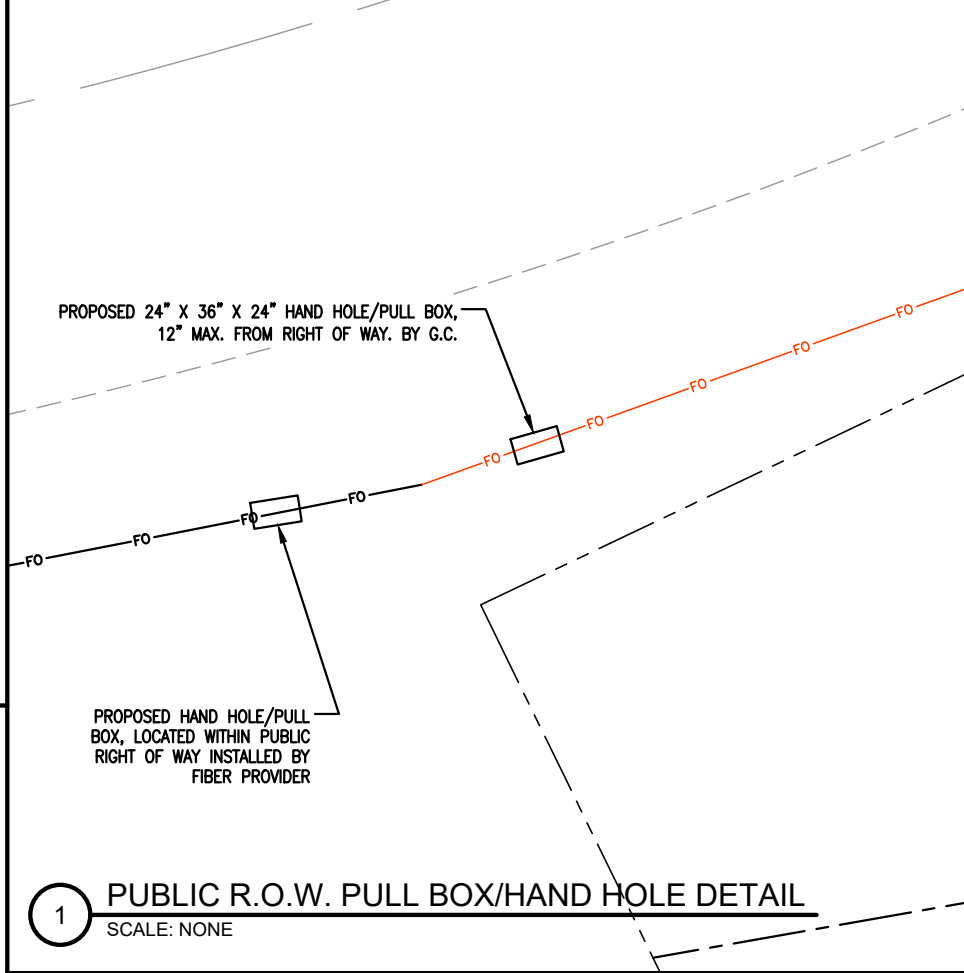


- NOTES:**
1. GROUNDING RISER FOR DIAGRAMMATIC PURPOSES ONLY. SEE ELEVATION DRAWINGS FOR EQUIPMENT AND ANTENNA LOCATIONS.
 2. DRIVE GROUND RODS TO A MINIMUM DEPTH OF 30" OR 6" BELOW FROST LINE

A **GROUNDING DIAGRAM**
SCALE: N.T.S



B **METER MOUNTING DETAIL / POWER**
SCALE: 1/2" = 1'-0"



B **FIBER HAND HOLE**
SCALE: 1/2" = 1'-0"

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PROJECT NO:	20181833009
LOCATION CODE:	500526
CHECKED BY:	TAB

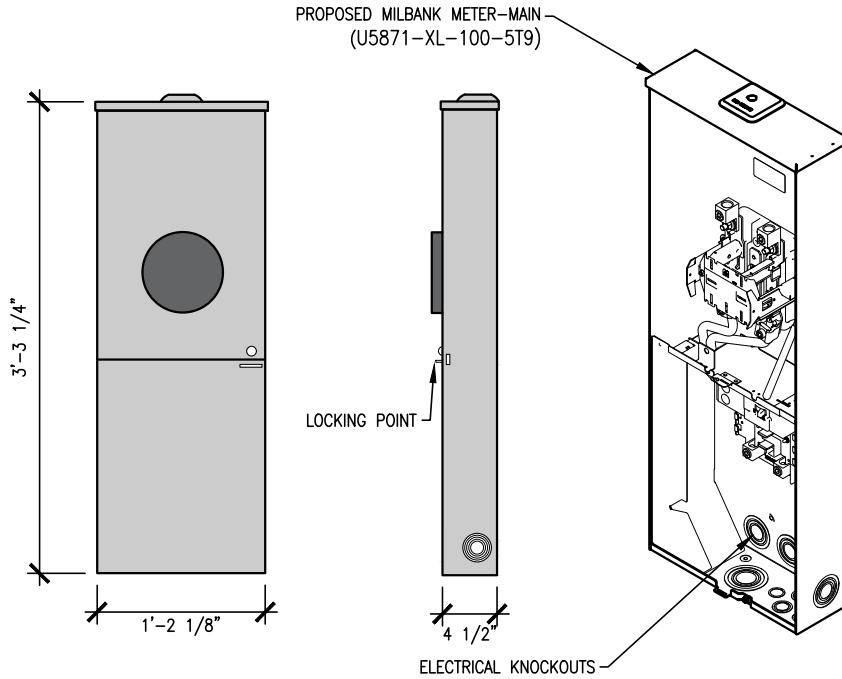
SD01 DAYS OF 76 SC1
40 CRESCENT DR
DEADWOOD, SD 57732

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INITIAL:	DATE:	DESCRIPTION:
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ATJ	12-06-23	REV. G

STRUCTURAL ANALYSIS:	
DATE:	DESCRIPTION:

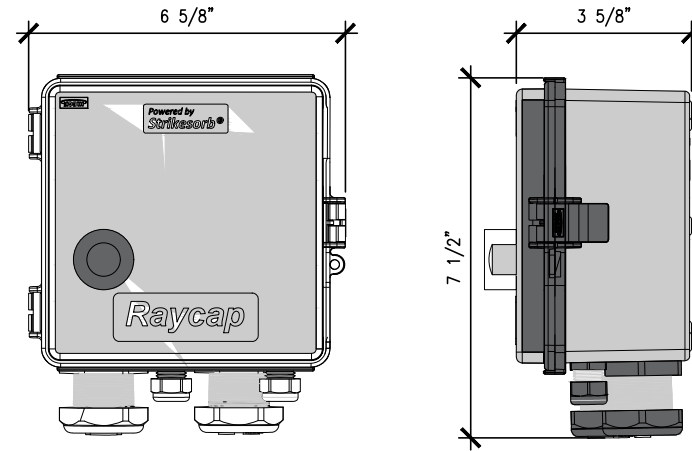
RFDS:	
DATE:	08-10-23
PLOT DATE	12-06-23
SET TYPE	LESSOR SIGNOFF
SHEET TITLE	ELECTRICAL, FIBER & GROUNDING DETAILS
SHEET NUMBER	SHEET 6

MANUFACTURE: RAYCAP
 MODEL NO: RSCAC-1333-PS-240

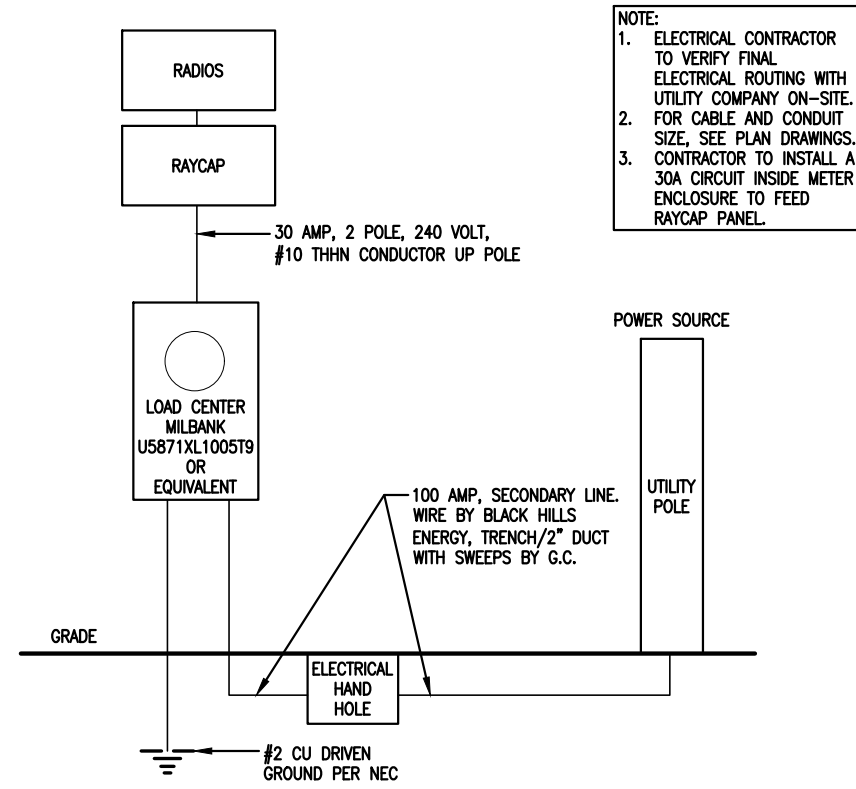


A METER BOX DETAIL
 SCALE: N.T.S

NOTE:
 RAYCAP INSTALLATION & BUILD QUALITY AS PER MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS. SEE MANUFACTURER'S INFORMATION PACKET FOR MORE INFORMATION.



B RAYCAP DETAIL
 SCALE: N.T.S



NOTE:
 1. ELECTRICAL CONTRACTOR TO VERIFY FINAL ELECTRICAL ROUTING WITH UTILITY COMPANY ON-SITE.
 2. FOR CABLE AND CONDUIT SIZE, SEE PLAN DRAWINGS.
 3. CONTRACTOR TO INSTALL A 30A CIRCUIT INSIDE METER ENCLOSURE TO FEED RAYCAP PANEL.

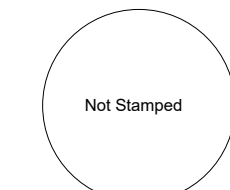
C ONE LINE RISER DIAGRAM
 SCALE: N.T.S

verizon

10801 Bush Lake Rd
 Bloomington, MN 55438
 952.946.4694 voice

DESIGN 1

9973 VALLEY VIEW RD.
 EDEN PRAIRIE, MN 55344
 (952) 903-9299
 WWW.DESIGN1EP.COM



NOT FOR CONSTRUCTION

PROJECT NO:	20181833009
LOCATION CODE:	500526
CHECKED BY:	TAB

SD01 DAYS OF 76 SC1
 40 CRESCENT DR
 DEADWOOD, SD 57732

SUBMITTAL:		
INITIAL:	DATE:	DESCRIPTION:
ET	06-10-19	REV. A
RB	07-22-19	REV. B
NPR	08-26-19	REV. C
ATJ	10-16-19	REV. D
SWS	02-13-20	REV. E
ATJ	10-23-23	REV. F
ATJ	12-06-23	REV. G

STRUCTURAL ANALYSIS:	
DATE:	DESCRIPTION:

PLOT DATE	12-06-23
SET TYPE	LESSOR SIGNOFF
SHEET TITLE	ELECTRICAL, FIBER & GROUNDING DETAILS
SHEET NUMBER	SHEET 7

ELECTRICAL LOAD ANALYSIS PANEL					
VOLTAGE: 120/240 V -1PH OCCUPANCY: TELECOMMUNICATION TOWER					
DESCRIPTION OF LOAD	LOAD	AMPS AT 240V 1 Ø			
		Ø A	Ø B	Ø C	Ø N
ANTENNA POWER X 1.25 =	1500	6.25	6.25	-	-
TOTAL CONNECTED LOAD =		6.25	6.25	-	-
SERVICE AMPACITY		100	100	-	100

NOTE:

- FIELD VERIFY LOAD PRIOR TO INSTALLING WIRE, CONDUIT, ETC.
- ALL LOADS REQUIRE APPROPRIATE GROUND WIRE.
- ALL CONDUCTORS SHALL BE COPPER UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL INSTALL FEEDERS BASED ON THE OVER CURRENT DEVICE RATINGS.
- ABOVE GROUND CONDUIT SHALL BE RIGID EMT OR IMC CONDUIT OR BETTER.
- CONTRACTOR SHALL INSTALL A MINIMUM 2"x3" LABEL IN BLUE LETTERING ON A CONTRASTING DATE OF CALCULATION FOR AVAILABLE SHORT CIRCUIT CURRENT.
- ALL THE INSTALLED ELECTRICAL MATERIALS, APPARATUS, DEVICES, APPLIANCES OR EQUIPMENT SHALL BE IN FULL COMPLIANCE WITH STATE OF MINNESOTA RULES AND OTHER APPLICABLE CODES. THE MARKER'S NAME, TRADEMARK OR OTHER IDENTIFICATION SYMBOL SHALL BE PLACED ON ALL THE MATERIALS, APPARATUS, DEVICES, APPLIANCES, FIXTURES AND EQUIPMENT. ALL THE INSTALLED ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED AND LABELED FOR INTENDED USE AND SHALL BE INCLUDED IN A LIST PUBLISHED BY AN APPROVED AGENCY.
- SERVICE DISCONNECT AND METERING LOCATION SHALL BE COORDINATED WITH VERIZON AND XCEL ENERGY.
- ALL UNDERGROUND CABLE SHALL BE BURIED 24" MINIMUM UNDERGROUND. IT SHALL BE ROUTED IN MINIMUM PVC SCH 80 CONDUIT.
- CONTRACTOR TO PROVIDE HAND HOLE/PULL BOX TO PROTECT CABLE I.E. STREET CROSSING, LONG RUN, OR CABLE DIRECTION CHANGE MORE THAN 270 DEGREES.
- ALL WORK SHALL MEET LATEST ADOPTED NEC AND OTHER NATIONAL AND LOCAL CODES.
- ALL CABLE AND CONDUIT ROUTING IS SHOWN DIAGRAMMATICALLY. CONTRACTOR TO FIND THE BEST CODE COMPLIANT METHOD AND COORDINATE IT WITH VZW, CITY AND UTILITY.

GENERAL CONDITIONS

00 0001 PERMITS
Construction Permit shall be acquired by, or in the name of, Verizon Wireless, to be hereinafter referred to as the OWNER. Other permits shall be acquired by the Contractor.

00 0002 SURVEY FEES
Survey shall be furnished by the designer. Layout Staking shall be coordinated with the Surveyor per "Request For Quote", (RFQ).

01 0010 INSURANCE & BONDS
Contractor is to furnish Insurance certificates for themselves and subcontractors. Contractor will provide any required Bonding. Contractor agrees to warranty the project for (1) one year after completion.

01 0400 SUPERVISION & COORDINATION
Contractor shall provide supervision throughout the Project, coordinating the work of the Subcontractors, and delivery & installation of Owner-furnished items. Contractor's responsibilities include arranging & conducting of Underground Utilities Locates. Contractor shall comply with municipal, county, state and/or federal codes, including OSHA.

01 0600 TESTING
Contractor is responsible for providing Agencies with sufficient notice to arrange for Test Samples (i.e.: Concrete Cylinders), and for Special Inspections.

01 2000 MEETINGS
Contractor shall make themselves aware of, and attend, meetings with the Owner and/or designer. Contractor is to attend a Pre-Construction Meeting of all parties involved, prior to the start of construction.

01 5100 TEMPORARY UTILITIES
Contractor shall maintain the job site in a clean and orderly fashion, providing temporary sanitary facilities, and waste disposal.

01 5300 EQUIPMENT RENTAL
Contractor shall furnish equipment necessary to expedite work.

01 5900 FIELD OFFICES & SHEDS
Contractor shall provide security (fence area or trailer module) for tools and materials that remain overnight on site.

01 7000 CLEAN UP & CLOSE OUT
Contractor shall clean up the Site to the satisfaction of Owner. Contractor shall complete the items listed on the Owner's Punch List, and shall sign and return the List to the Owner. Contractor shall maintain a set of drawings during the job, on which changes shall be noted in red ink. A full set of redlined drawings (As-Builts) are to be given to the designer at Job completion and submit "construction work complete memo" to Construction Engineer.

01 8000 TRUCKS & MILEAGE
Contractor shall provide transportation for their own personnel.

01 8300 TRAVEL TIME & PER DIEM
Contractor shall provide room and board for their own personnel, and reasonable time for traveling to & from job site.

01 9200 TAXES
Contractor shall pay sales and/or use tax on materials and taxable services.

01 10000 WATER & SERVICE SPECIFICATIONS
Contractor to visually verify the actual depth of water mains and services prior to crossing via trenches construction methods.

SITWORK

02 5000 PAVING & SURFACING
Existing bituminous and concrete surfaces damaged during the construction process must be returned to pre construction condition or better. Coordinate with owner and designer.

02 7800 POWER TO SITE
Contractor shall coordinate the electrical service to the RRU's with the Utility Provider. Contractor to provide Roycap for VZW use.

02 7900 TELCO TO SITE
Contractor shall provide 2" schedule 40 PVC conduit, (schedule 80 PVC under roads and drives) with 'large sweep' elbows & pull string for TELCO service as noted on plans. Cable to be fiber optic lines, source and provider T.B.D.

02 8500 IRRIGATION SYSTEMS
Contractor shall add to/re-route existing irrigation system as necessary for new construction. Contractor shall provide temporary irrigation of new seed or sod, to be maintained so it survives 1 year after planting

02 9000 LANDSCAPING
Contractor to restore turf areas damaged by construction to preconstruction condition or better.
Contractor shall protect existing landscape elements that are not in the Scope of Work. Reasonable precautions shall be taken to assure the health of existing trees and shrubbery. If conflicts arise regarding the location of root systems, branch lines, etc., the designer must be contacted prior to performing Work that may cause damage. Damage resulting from disregard of this Article shall be compensated by the

Responsible Party and at a cost to be determined by the Property Owner, designer, and Owner. Contractor shall furnish and install new seed or sod.
Watering shall be as described in 02 8500.

CONCRETE

03 1000 CONCRETE FORM WORK
Concrete forms shall be dimension lumber, modular, or steel.

METALS

05 0000 METALS
Contractor will furnish and install structural and fabricated steel items not specifically furnished by Owner, and install Owner-furnished items. Structural steel shall be fabricated and erected per AISC specifications. Welding shall conform to AWS standards. Field welding shall be as shown on Shop Drawings, performed by AWS Certified Welders, and inspected as prescribed by the Structural Engineer. Steel shall be ASTM A992 OR A36, and 3/4" field bolts shall be A325. Temporary erecting bolts, clip hangers, and bracing shall be furnished by Contractor. Fabrications shall be shop welded if possible, and galvanized before delivery to site. Structural steel, and miscellaneous iron and steel, shall be hot dipped galvanized per ASTM A123 thickness grade 55. Fabricated iron and steel hardware shall be hot dipped galvanized per ASTM A153. Repair of damaged or uncoated galvanized surfaces shall be per ASTM A780.

FINISHES

09 9000 PAINTING
Contractor shall provide materials and labor for all painting indicated in the construction documents and shall touch-up construction related scrapes & scratches with appropriate paint.
Contractor to obtain Lessor and designer approvals of all swatches prior to application of paint:

* Contractor to paint non 5G antennas, RRU's, and related equipment SW 6993" Black of Night". See SHEET 3 for 5G Wrap. (if applicable).

SPECIAL CONSTRUCTION

13 1400 ANTENNA INSTALL
Contractor shall install Owner's antennas and feed lines during erecting. Contractor shall test and certify feed lines per current VZW standards.

13 3423 TRANSPORT AND SET ANTENNAS / EQUIPMENT
Contractor shall provide crane(s) and/or truck for transporting, setting antennas and related equipment on light pole.

13 3613 ANTENNA MOUNTS
Contractor to install antenna mounts per manufacturers specifications.

13 RF SIGNAGE
Contractor to install at minimum 2 identical "RF WARNING" stickers at 7 foot above grade level, 180 degrees apart from each other.

13 5000 CONCEALMENT FILM
Contractor to furnish the antennas and equipment with Concealment Film as indicated in the drawings. Concealment Film to be 3M "Envision Print Wrap Films 480mC". Concealment film to be mirror-like, solid-color or custom-pattern as indicated in the drawings. Printing to be performed by a 3M MCS Certified graphics manufacturer. Printed concealment film to be covered with 3M "Anti-Graffiti Wrap Matte Overlaminated 8590M". Concealment film to be installed on antennas and equipment to the extents indicated in the drawings and shall exclude heat-sink "fins", manufacturer's labels, ventilation holes and cable connections. Installation of the overlaminated, printed concealment film onto antennas and equipment to be by a trained 3M "Preferred", "Endorsed" or "Certified" installer or graphic installation company. For procuring the proper 3M concealment film with the desired color/pattern and to find local certified installers contact ConcealFab at (719) 599-3400 or sales@concealfab.com.

** NOTE SOLID COLORS AS FOLLOWS IF USING SHERWIN WILLIAMS **
Solid color to be Sherwin Williams SW 6993" Black of Night", for color conversion to RGB and Hex Values see <https://www.sherwin-williams.com/home-builders/color/tools/downloadable-color-palettes>.

ELECTRIC

16 5000 LIGHTING AND ELECTRICAL
See SHEET 5 & SHEET 6 for details.

16 6000 GROUNDING
Contractor shall make themselves familiar with and follow the current GROUNDING STANDARDS of VERIZON WIRELESS. Contractor shall perform work as shown on Grounding Plans. Any site-specific grounding issues not covered by the GROUNDING STANDARD are to be addressed by the Contractor to the Owner.

SCOPE OF WORK:

CONTRACTOR SHALL PROVIDE MATERIALS, LABOR, TOOLS, TRANSPORTATION, SUPERVISION, ETC. TO FULLY EXECUTE WORK. WORK REQUIREMENTS ARE DETAILED ON THE DRAWINGS AND SPECIFICATIONS AND SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING ITEMS:

SITE PREPARATION
INSTALL ANTENNAS/RRU's
POWER/FIBER TO RRU's
SITE GROUNDING

EQUIPMENT

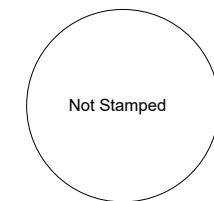
The Designer/EOR makes no warranty, expressed or implied, on the structural adequacy for proprietary brackets, clips, parts from a manufacture.



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Bloomington, MN 55438
952.946.4694 voice



9973 VALLEY VIEW RD.
EDEN PRAIRIE, MN 55344
(952) 903-9299
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NOT FOR
CONSTRUCTION

PROJECT NO:	20181833009
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SD01 DAYS OF 76 SC1

40 CRESCENT DR
DEADWOOD, SD 57732

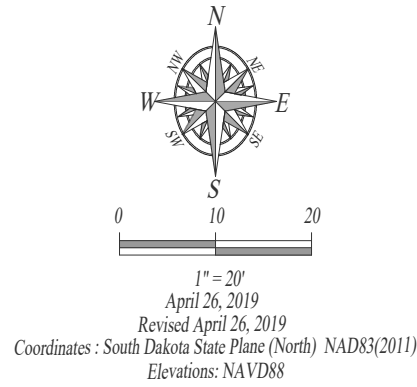
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ATJ	12-06-23	REV. G

STRUCTURAL ANALYSIS:	
DATE:	DESCRIPTION:
RFDS:	
DATE:	08-10-23

PLOT DATE	12-06-23
SET TYPE	LESSOR SIGNOFF
SHEET TITLE	GENERAL NOTES
SHEET NUMBER	SHEET 8

SURVEYOR'S NOTES

1. Utilities shown are from visual inspection.
2. Elevations are NAVD88 and the Coordinates are South Dakota State Plane (North) NAD83(2011) as determined by a static session performed on 4/22/2019 and processed through the NGS Online Positioning User Service (OPUS)



Deadwood Amusement Park Tract
(Document No. 2013-2127)

Seventy Six Drive

Deadwood City Shop Tract
(Document No. 2013-2127)

Electrical Panel

LEGEND

- = Utility Pole
- = Storm Sewer Inlet
- = Manhole
- = Water Valve
- = Utility Pole
- = Electric Meter
- = Water Line
- = Overhead Utility Line
- = Found Survey Monument as LS 6577
- = Control Point

= Tree (Deciduous)



Fisk Land Surveying & Consulting Engineers, Inc.
1022 Main Street (P.O. Box 8154)
Rapid City, South Dakota 57709
(605) 348-1538

Days of 76 SD01
Proposed Utility Easement
Section 23, T5N, R3E, BHM, Deadwood,
Lawrence County, South Dakota

Surveyed by:
CD/JH

Date
8/16/2019

Drawn by:
CDD

Checked by:
RF

Revisions

Topographic Survey

1 of 1

Project No.
19-01-08