


POLE LOCATION



SITE LOCATION MAP



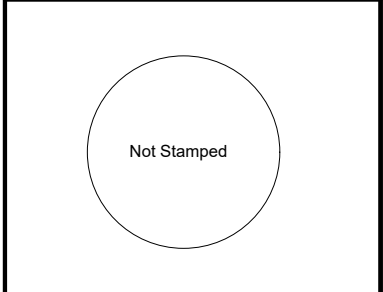


SD01 DT DEADWOOD SC1

DEADWOOD SD WALL MOUNTED SMALLCELL

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



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	BUILDING PLAN
RAYCAP BOX	VERIZON	CONTRACTOR	SHEET 2	ELEVATIONS, EQUIPMENT KEY
FIBER HAND HOLE	FIBER PROVIDER	FIBER PROVIDER	SHEET 3	SECTION VIEWS, ONE-LINE DIAGRAMS & RF STICKERS
FIBER FROM FIBER HAND HOLE TO EQUIPMENT	CONTRACTOR	CONTRACTOR	SHEET 4	SITE PLAN
UNDERGROUND ELECTRICAL RUN	CONTRACTOR	CONTRACTOR	SHEET 5	SITE PHOTOS
			SHEET 6	SITE PHOTOS
			SHEET 7	GENERAL NOTES

NOT FOR CONSTRUCTION

PROJECT NO:	20191986315
LOCATION CODE:	528343
CHECKED BY:	TAB
SD01 DT DEADWOOD SC1	
703 MAIN STREET DEADWOOD, SD 57732	

SITE INFORMATION

APPROX. ADDRESS:	703 MAIN STREET DEADWOOD, SD 57732
SITE COORDINATES:	N 44° 22' 32.95" (NAVD83) W 103° 43' 50.03" (NAVD83)
GROUND ELEVATION:	911.9'(NAVD88)
PROJECT NUMBER:	20191986315
LOCATION CODE:	528343
EXISTING POLE TYPE:	METAL
EXISTING POLE FINISH:	PAINT
NEW POLE MATERIAL:	STEEL
NEW POLE FINISH:	GALV
PAINT CODE:	SW# 6991 "BLACK MAGIC"

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/Engineer for clarification prior to fabrication and/or construction. Submit necessary shop drawings prior to fabrication for approval by the Designer/Engineer. No information or details on these sheets may be used without the permission of the owner, or the Designer/Engineer.
- 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 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

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

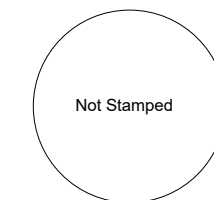
LESSEE:
 VERIZON WIRELESS
 10801 BUSH LAKE ROAD
 BLOOMINGTON, MN 55438
 CONTACT: AMANDA TURNER

LESSOR:
 CITY OF DEADWOOD
 LORNIE STALDER (PUBLIC BUILDINGS SUPERINTENDENT)
 PHONE: (605) 578-3082
 EMAIL: lornie@cityofdeadwood.com

SITE ACQUISITION:
 BUELL CONSULTING, INC.
 720 MAIN STREET, SUITE 200
 ST. PAUL, MN 55108
 CONTACT: PETE MCNALLY
 PHONE: (515) 314-0219

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

SUBMITTAL:		
INITIAL:	DATE:	DESCRIPTION:
ATJ	12-16-22	REV. A
STRUCTURAL ANALYSIS:		
DATE:	DESCRIPTION:	
RFDS:		
DATE:	10-12-22	
PLOT DATE	12-16-22	
SET TYPE	PRELIMINARY	
SHEET TITLE	TITLE SHEET	
SHEET NUMBER	TITLE	



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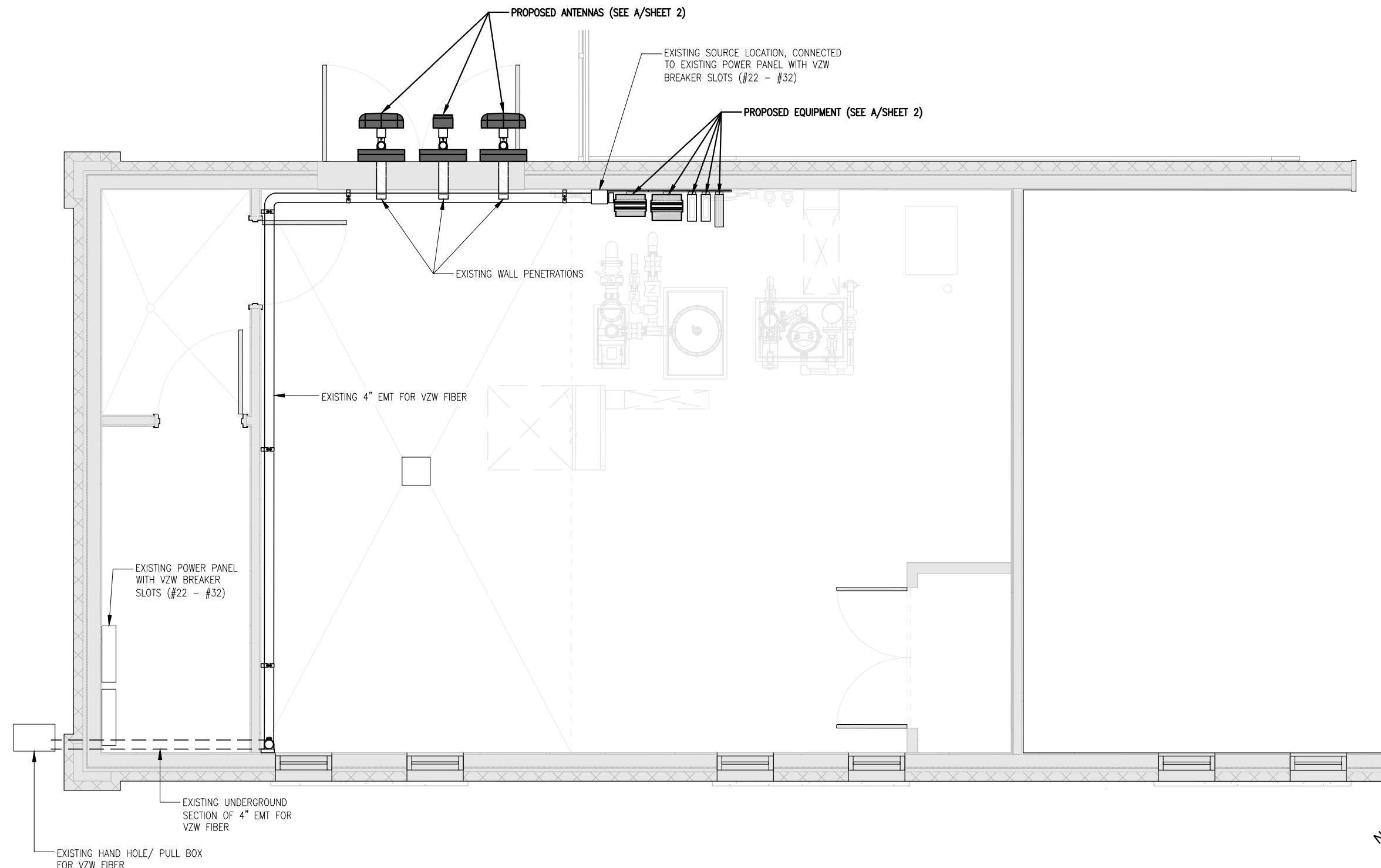
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10-12-22	

PLOT DATE	12-16-22
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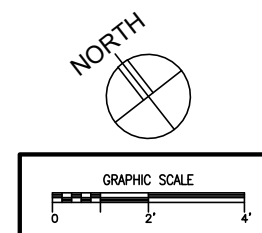
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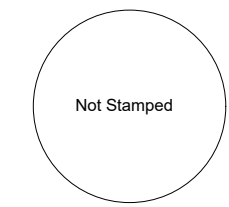
SHEET TITLE	BUILDING PLAN
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SHEET NUMBER	SHEET 1
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A PROPOSED BUILDING PLAN
SCALE: 1/4" = 1'-0"





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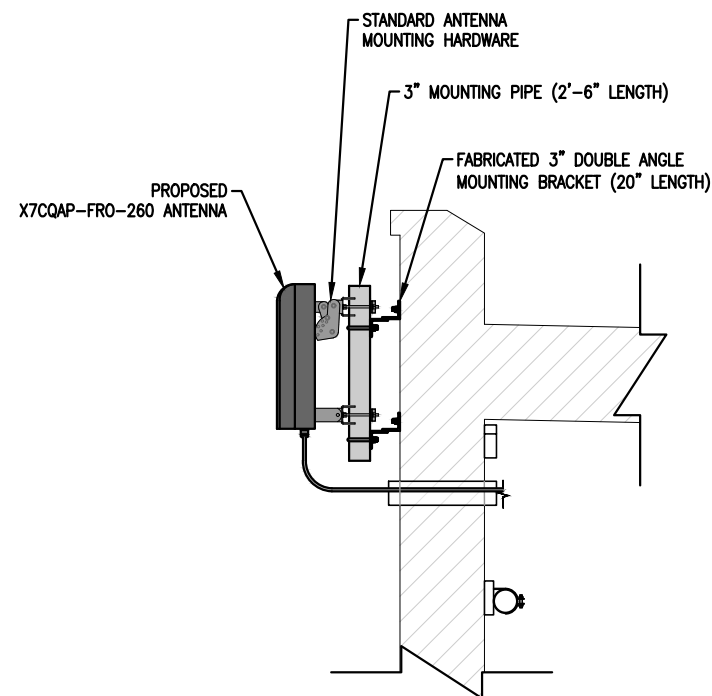
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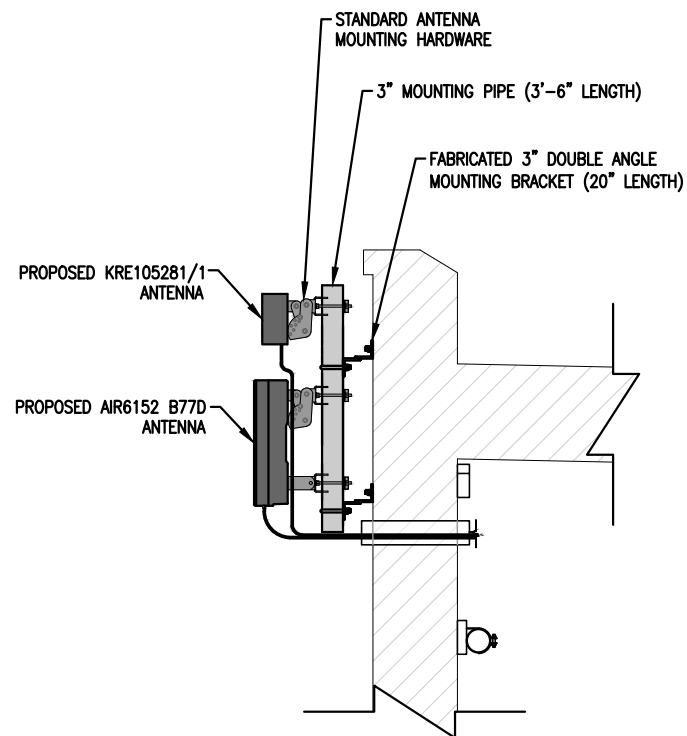
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SHEET TITLE	SECTIONS, ONE-LINES & RF STICKERS
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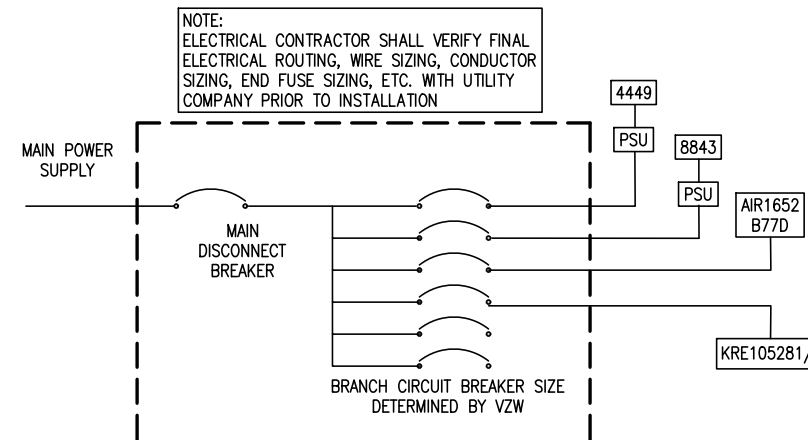
SHEET NUMBER	SHEET 3
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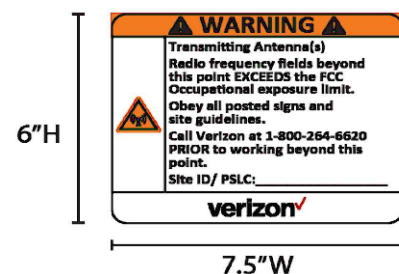
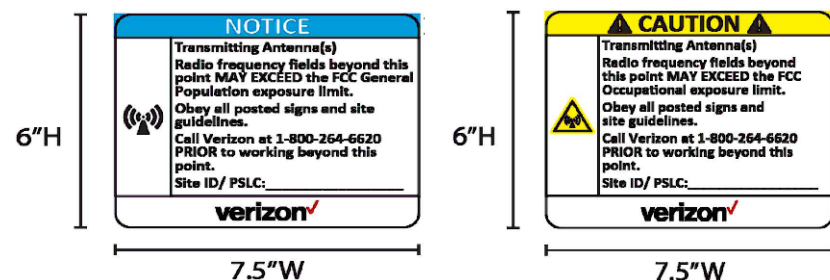
A ANTENNA MOUNTING DETAIL 1
SCALE: 1/8" = 1'-0"



B ANTENNA MOUNTING DETAIL 2
SCALE: 1/8" = 1'-0"

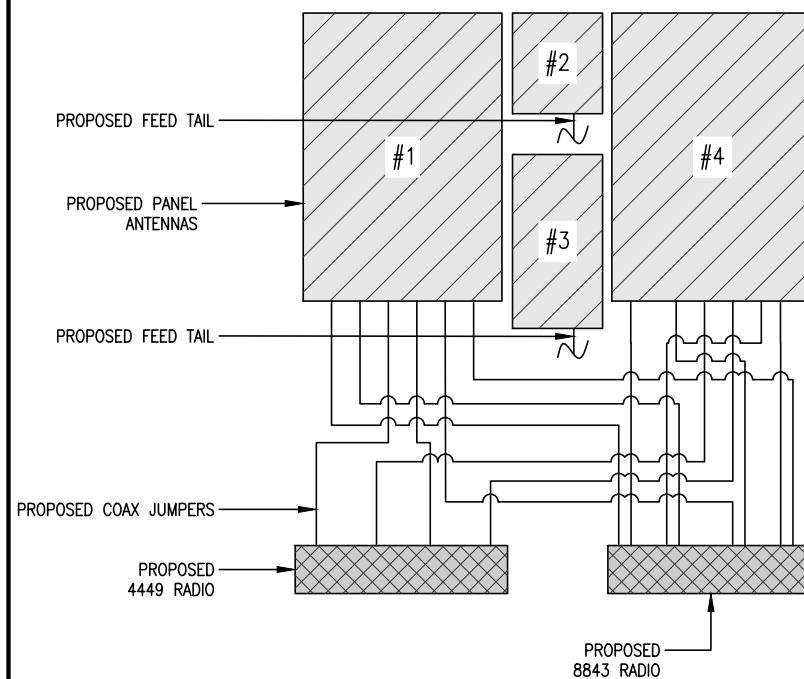


C ELECTRICAL ONE-LINE DIAGRAM
SCALE: N/A

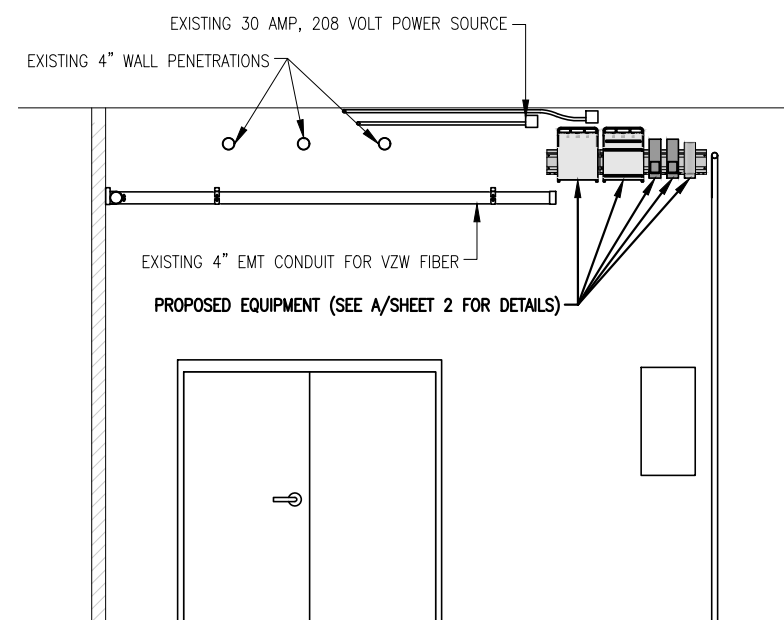


NOTES:
1. THE GC IS TO CONFIRM WITH VZW CE ON THE PROPER COLOR AND HEIGHT THE RF SIGNS ARE TO BE ATTACHED TO THE POLE.

D RF WARNING SIGNS
SCALE: N.T.S.

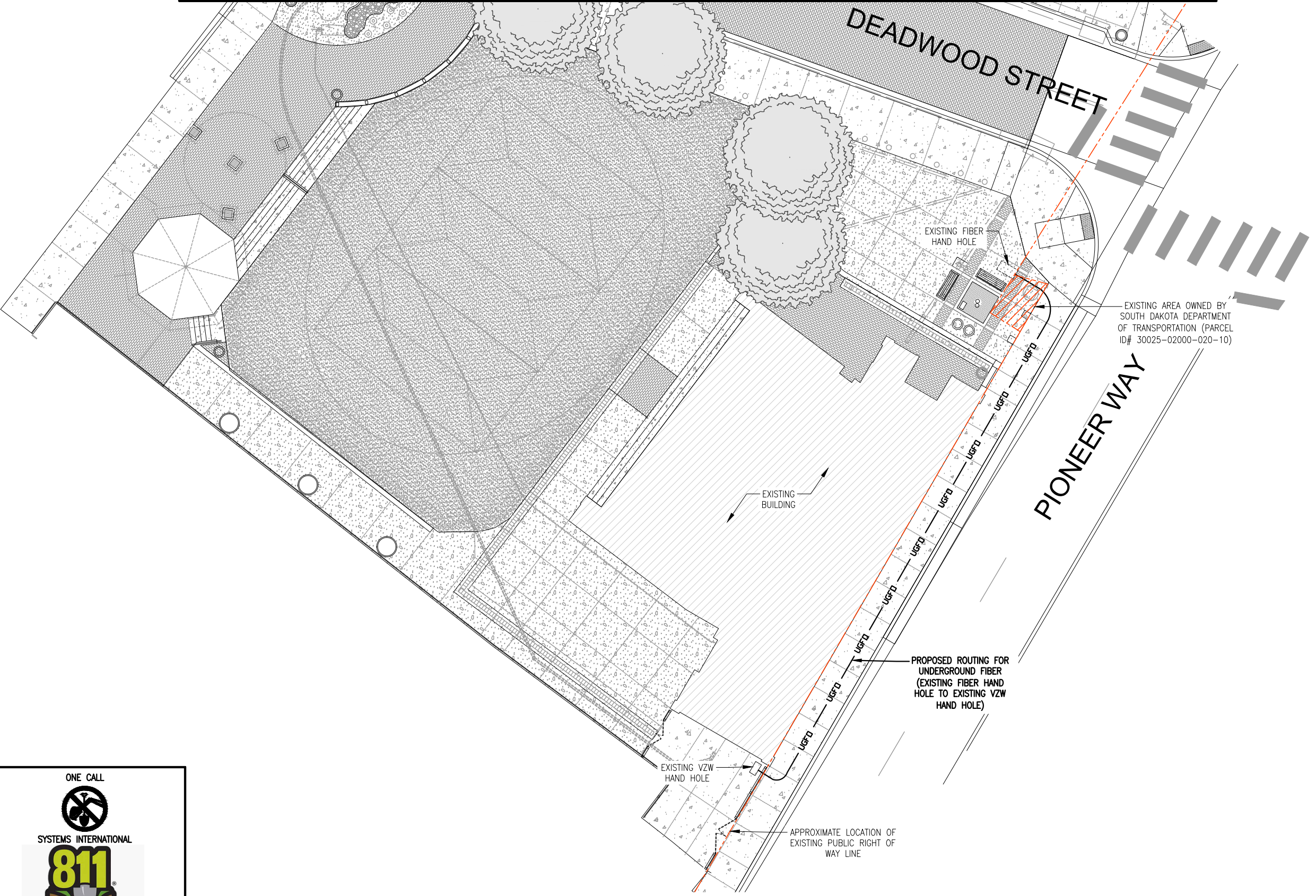


E ANTENNA ONE-LINE DIAGRAM
SCALE: N.T.S.



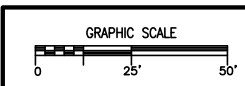
B EQUIPMENT MOUNTING ELEVATION
SCALE: 3/16" = 1'-0"

LEGEND	(E) ELECTRIC MANHOLE	(T) TELECOM MANHOLE	(MP) ELECTRIC METER	(WH) WATER HYDRANT	(DHE) OVERHEAD ELECTRIC LINE	(S) UNDERGROUND SANITARY SEWER LINE
	(EH) 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)



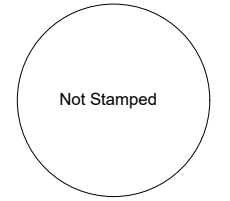
A SITE PLAN
SCALE: 1"=20'-0"

NOTE:
REFER TO SHEET 1 FOR DRAWING LEGEND



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703 MAIN STREET
DEADWOOD, SD 57732

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PLOT DATE	12-16-22
SET TYPE	PRELIMINARY
SHEET TITLE	UTILITY ROUTING PLAN
SHEET NUMBER	SHEET 4





1 FIBER HH PHOTO



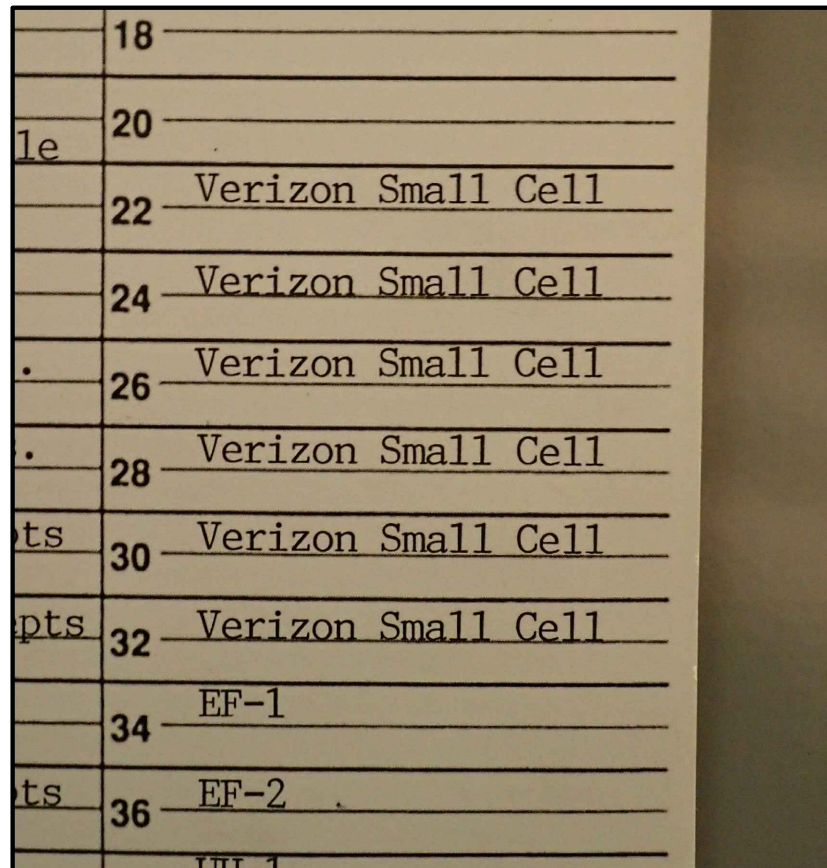
2 INSIDE HH PHOTO



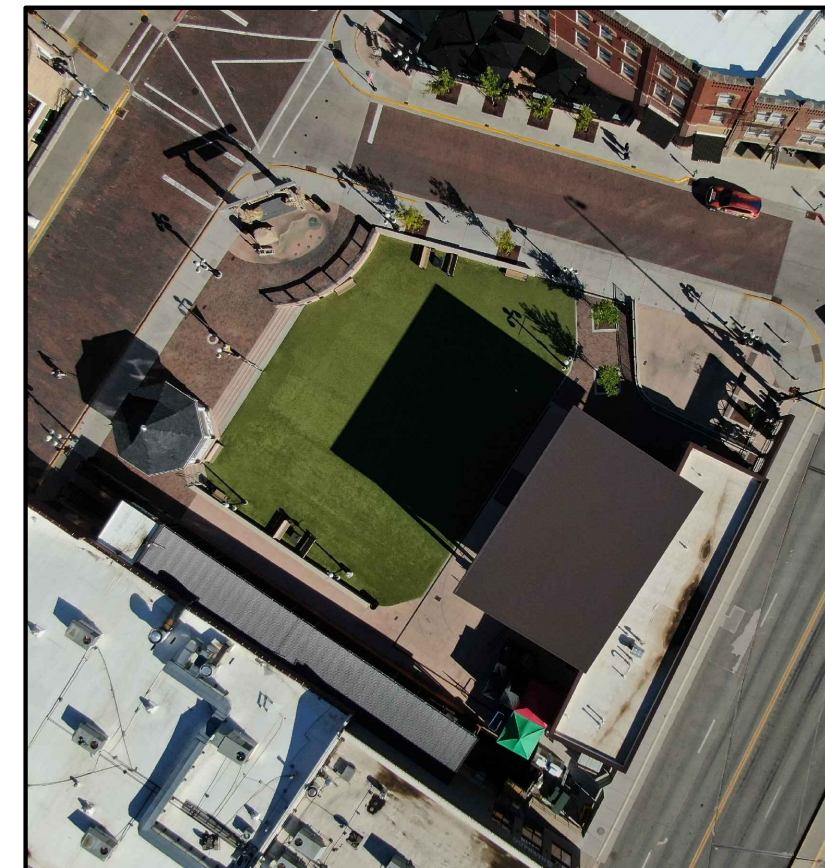
3 POWER PANEL PHOTO



4 ELECTRICAL BREAKERS PHOTO



5 BREAKER LIST PHOTO



6 AERIAL PHOTO

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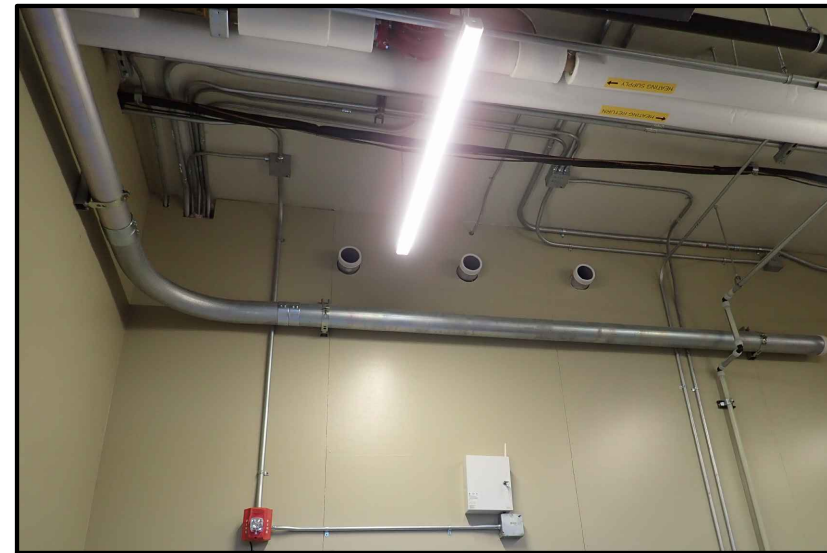
PLOT DATE	12-16-22
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SHEET TITLE	SITE PHOTOS
SHEET NUMBER	SHEET 5



1 VZW HH PHOTO



2 INSIDE VZW HH PHOTO



3 4" EMT PHOTO



4 EXISTING OUTDOOR LIGHT PHOTO



5 EQUIPMENT MOUNTING SPACE PHOTO



6 AREA BELOW EQUIPMENT PHOTO

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SET TYPE	PRELIMINARY
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SHEET TITLE	SITE PHOTOS
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SHEET NUMBER	SHEET 6
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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.

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 Raycap 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 architectural 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# 6991 "BLACK MAGIC". See SHEET 3 for 5G Wrap.

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 Overlamine 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# 6991 "BLACK MAGIC", 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

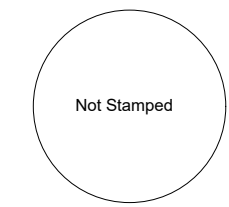
Equipment supplier shall be responsible for verifying that the capacity of the equipment supports, brackets, attachments, etc. meet the loading requirements



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