

**COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION**

In the Matter of:

ELECTRONIC APPLICATION OF CELLCO)	
PARTNERSHIP D/B/A VERIZON WIRELESS FOR)	CASE NO.
APPROVAL OF CO-LOCATION ON EXISTING)	2023-00126
TOWER IN BARREN COUNTY, KENTUCKY)	

* * * * *

**RESPONSE TO OCTOBER 6, 2023 ORDER
ELECTRONIC APPLICATION OF CELLCO
PARTNERSHIP D/B/A VERIZON WIRELESS 2023-00126**

Cellco Partnership, d/b/a Verizon Wireless (“Applicant”), by counsel, pursuant to 807 KAR 55:063 (3), Section 8, submitted a notice of electronic filing on April 13, 2023. Subsequently, after submitting the request of electronic application, applicant was made aware of the correct procedure for Co-Location on existing tower. Applicant hereby requests to Withdraw the Notice of Intent to Use Electronic Filing.

RESPONSE

1. Applicant submitted Co-Location Notice pursuant to 807 KAR 5:001, Section 8, on April 14, 2023, attached hereto as Exhibit A.
2. Drawings providing a description of the plan to co-locate were included with the Co-Location Notice, attached hereto as Exhibit B. Said plans for co-location demonstrated there would be no increase the tower height and no change any lighting, attached hereto as Exhibit B.
3. Applicant received acknowledgement of co-location notice on April 14, 2023, attached hereto as Exhibit C.
4. Attached hereto as Exhibit D please find an Affidavit of Certification for all information contained in this Request.

All Exhibits to this Request are hereby incorporated by reference.

All responses and requests associated with this Request may be directed to:

Russell L. Brown
Clark, Quinn, Moses, Scott & Grahm, LLP
320 North Meridian Street, Suite 1100
Indianapolis, IN 46204
Phone: (317) 637-1321
FAX: (317) 687-2344
Email: rbrown@clarkquinnlaw.com

WHEREFORE, Applicant respectfully request that the PSC accept the foregoing request to Withdraw the Notice of Intent to use electronic filing (2023-00126).

Respectfully submitted,



Russell L. Brown
Clark, Quinn, Moses, Scott & Grahm, LLP
320 North Meridian Street, Suite 1100
Indianapolis, IN 46204
Phone: (317) 637-1321 / FAX: (317) 687-2344
Email: rbrown@clarkquinnlaw.com
Attorney for Celco Partnership d/b/a Verizon Wireless
October

Dated October 9, 2023

LIST OF EXHIBITS

- A. PSC Notice for Co-Location
- B. Site Development Plans
- C. PSC Co-Location Acknowledgement
- D. Affidavit of Certification



Elizabeth Bentz Williams
AICP
ebw@clarkquinnlaw.com

320 N. Meridian St., Ste. 1100
Indianapolis, IN 46204
(317) 637-1321 main
(317) 687-2344 fax

April 14, 2023
VIA EMAIL: PSCED@ky.gov

Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
Frankfort, KY 40601

RE: Notice Pursuant to 807 KAR 5:063 (3)
Co-location Notification
Verizon Wireless Site Name: Grays Knob

Dear Executive Director:

This letter is submitted in compliance with the above referenced administrative regulation to provide you notice that Cellco Partnership, d/b/a Verizon Wireless ("Verizon Wireless"), as a licensed public utility in the Commonwealth of Kentucky plans to co-locate its antennas and related equipment on an existing 300' (plus 15' lightning rod) self-support tower.

In compliance with the terms of 807 KAR 5:063 (3), we hereby provide the following additional information for the records of the Kentucky Public Service Commission:

1. The full name and address for the Verizon Wireless entity is:
Cellco Partnership d/b/a Verizon Wireless
One Verizon Way
Basking Ridge, NJ 07920
2. The name, and address of the owners of the existing structure upon which Verizon Wireless will co-locate is:
Appalachian Wireless
101 Technology Trail
Ivel, KY 41642
3. The location of the co-location structure is:
North Latitude: 36° 49' 50.6", West Longitude 83° 19' 19.44"
4. The street address of the tower is:
114 Blandon Drive, Harland, KY 40831

Kentucky Public Service Commission

Re: Co-Location – Grays Knob

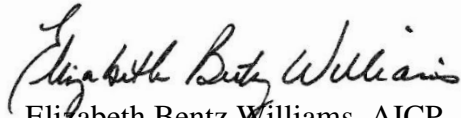
April 14, 2023

Page 2 of 2

5. Drawings providing a description of the plan to co-locate are included with this notice. The co-location will not increase the tower height and not change any lighting.
6. The original PSC Order No: 2008-00266

Please contact the undersigned if further information is required by the Commission in connection with this notice.

Very Truly Yours,



Elizabeth Bentz Williams, AICP
Clark, Quinn, Moses, Scott & Grahn
320 N. Meridian St., Ste. 1100
Indianapolis, IN 46204
O (317) 637-1321
ebw@clarkquinnlaw.com

EBW
Enclosure

LV GRAYS KNOB

114 BLANTON DRIVE
HARLAN, KY 40831
HARLAN COUNTY

TOWER OWNER: APPALACHIAN WIRELESS
APPALACHIAN WIRELESS SITE NAME: DRESSEN

CELLCO PARTNERSHIP
D/B/A



EXISTING 300'-0" SELF SUPPORT TOWER W/15' LIGHTNING
ARRESTOR -TOTAL TOWER HEIGHT 315'-0"

APPALACHIAN WIRELESS SITE	PROPERTY OWNER EAST KENTUCKY NETWORK, LLC 101 TECHNOLOGY TRAIL IVEL, KY 41642 CONTACT: RAINA HELTON PHONE: (606) 477-2355 LOCATION ID: 641080/5000368252
VERIZON SITE	POLICE HARLAN COUNTY SHERIFF'S OFFICE 210 E CENTRAL ST # 202 HARLAN, KY 40831 PHONE: (606) 573-1313
CLIENT CONTACT	FIRE HARLAN CITY FIRE DEPT. STATION 1 114 N MAIN ST HARLAN, KY 40831 PHONE: (606) 573-4130
TOWER OWNER	GENERAL INFORMATION LATITUDE : 36.830722 N LONGITUDE : 83.329028 W ELEVATION : 1399.9' AMSL 1988 (NAVD88)
APPALACHIAN WIRELESS	VERIZON LEASE AREA 20'-0" x 28'-0" (560 SF)
101 TECHNOLOGY TRAIL	CONTACT: RAINA HELTON MOBILE: (606) 477-2355 EXT:1005 E-MAIL: RHELTON@EKN.COM

PROJECT SUMMARY	
------------------------	--

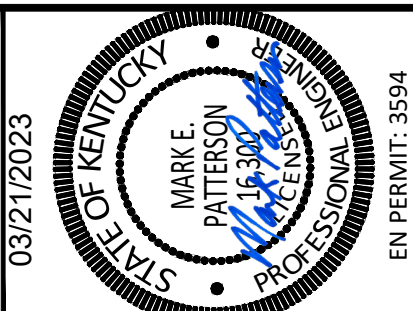
PROJECT DESCRIPTION	<p>ALL ITEMS WITHIN THESE CONSTRUCTION DOCUMENTS ARE BY TOWER OWNERS GENERAL CONTRACTOR AND HIS SUB-CONTRACTORS UNLESS NOTED AS (VZW GC) WHICH SHALL INCLUDE VERIZON GENERAL CONTRACTOR AND HIS SUB-CONTRACTORS. GENERALLY DESCRIBED BELOW:</p> <p>VERIZON SCOPE (VZW GC):</p> <ul style="list-style-type: none"> NO WATER OR SEWAGE SERVICES RUN TO SITE COMPOUND EXPANSION: REMOVE EXISTING FENCE, RELOCATE EXISTING GATE, AND INSTALL NEW FENCE INSTALL NEW VZW SUBSURFACE GROUNDING SYSTEM INSTALL ELECTRICAL SERVICE CONDUIT WITH PULL TAPES FROM ILC ENCLOSURE STUB-UP WITHIN VZW EQUIPMENT PAD TO UTILITY DROP POLE INSTALL NEW CONDUITS WITH PULL TAPES FROM VZW ILC & EQUIPMENT ENCLOSURE STUB-UP LOCATIONS TO THE GENERATOR LOCATION WITHIN VZW EQUIPMENT PAD INSTALL NEW CONDUITS WITH PULL TAPES FROM RF CABINET TO OVP H-FRAME LIT FIBER LOCATION INSTALL (1) NEW "VERIZON ONLY" FIBER OPTIC CONDUIT WITH PULL TAPE AND TRACER WIRE FROM VZW EQUIPMENT TO NEW "VERIZON ONLY" 24" X 36" HANDHOLE OUTSIDE COMPOUND INSTALL (1) NEW "VERIZON ONLY" FIBER OPTIC CONDUIT WITH PULL TAPE AND TRACER WIRE FROM NEW "VERIZON ONLY" 24" X 36" HANDHOLE OUTSIDE COMPOUND TO NEW "VERIZON ONLY" 24" X 36" HANDHOLE AT EXISTING UTILITY POLE INSTALL (1) NEW "VERIZON ONLY" FIBER OPTIC CONDUIT WITH PULL TAPE FROM NEW "VERIZON ONLY" 24" X 36" HANDHOLE OUTSIDE COMPOUND AND STUB UP AT FUTURE FIBER PEDESTAL LOCATION INSTALL (2) 1-1/4" & (1) 1" INNERDUCTS WITH PULL TAPES AND TRACER WIRE WITHIN "VERIZON ONLY" FIBER OPTIC CONDUITS INSTALL A NEW 11'-6" X 14'-9" PREFABRICATED CANOPY ON EXISTING CONCRETE PAD INSTALL NEW 30 KW DIESEL GENERATOR ON EXISTING CONCRETE PAD INSTALL VZW ANTENNAS, LINES, COAX, GPS ANTENNA AND RADIO EQUIPMENT INSTALL VZW ANTENNAS, LINES, COAX, GPS ANTENNA AND RADIO EQUIPMENT ON TOWER INSTALL VZW ANTENNAS, LINES, COAX, GPS ANTENNA AND RADIO EQUIPMENT ON TOWER INSTALL EXISTING SUBSURFACE GROUND LEADS TO VZW EQUIPMENT & FACILITIES INSTALL VZW ELECTRIC SERVICE CONDUCTORS FROM UTILITY DROP POLE TO VZW ILC ENCLOSURE GENERATOR INSTALL CIRCUITS FROM VZW ILC TO VZW EQUIPMENT ENCLOSURES INSTALL NEW OUTDOOR OVP AND CABLING H-FRAME SUPPORT
----------------------------	---

LOCATION MAP	
---------------------	--

APPLICABLE CODES	ARCHITECTURAL POWER OF DESIGN GROUP, LLC 11490 BLUEGRASS PARKWAY LOUISVILLE, KY 40299 PHONE: (502) 437-5252
ARCHITECTURAL	SURVEYOR POWER OF DESIGN GROUP, LLC 11490 BLUEGRASS PARKWAY LOUISVILLE, KY 40299 PHONE: (502) 437-5252

CONSULTANT TEAM	
------------------------	--

DESCRIPTION	PROJECT INFORMATION, SITE MAPS, SHEET INDEX SITE SURVEY REVISION LOG TOWER ELEVATION ENVIRONMENTAL EVALUATION -NOTHING TO CONTRACTOR- (REFERENCE ONLY) OVERALL SITE PLAN w/AERIAL OVERLAY OVERALL SITE PLAN GRADING AND E&S CONTROL PLAN DIMENSIONED SITE PLAN DETAILED EQUIPMENT PAD PLAN GENERAL SITE CONSTRUCTION NOTES FENCE DETAILS AND NOTES SITE DETAILS FOUNDATION PLAN AND STRUCTURAL NOTES FOUNDATION DETAILS FOUNDATION CONDUIT PENETRATION PLAN ICE BRIDGE DETAILS OVERALL SITE UTILITY PLAN SITE UTILITY PLAN EXISTING UTILITY DROP POLE EQUIPMENT PAD UTILITY PLAN & EQUIPMENT PAD TRENCH SECTIONS PANEL SCHEDULE, ONE LINE DIAGRAM, ELECTRICAL NOTES AND DETAILS ELECTRICAL DETAILS OVP & ILC H-FRAME ELEVATIONS AND DETAILS EQUIPMENT CABINET ELEVATIONS EQUIPMENT PAD LIGHTING PLAN GROUNDING SITE PLAN GROUNDING NOTES VERIZON GROUNDING PLAN AND NOTES GROUNDING DETAILS GROUNDING DETAILS GROUNDING DETAILS ANTENNA PLAN AND DETAILS (REFERENCE ONLY) TOWER DETAILS (REFERENCE ONLY)
SHEET NUMBER	T-1 B-1 TO B-1.2 R-1 TE-1 CIVIL E-0 C-1 C-1A C-2 C-3 C-4 C-5 C-6 E-1 E-2 D-3 E-4 S-1 S-2 S-3 S-4 ELECTRICAL E-0 E-1 E-1A E-2 E-3 E-4 E-5 E-6 E-7 GROUNDING G-1 G-2 G-3 G-4 G-5 G-6 REFERENCE DRAWINGS RF-1 TOWER (BY OTHERS) TW-1



CONSTRUCTION DRAWINGS	EN PERMIT: 3594	
REV.	DATE	DESCRIPTION
A	3.9.23	ISSUED FOR REVIEW
0	3.21.23	ISSUED AS FINAL

SITE INFORMATION:	LV GRAYS KNOB 114 BLANTON DR HARLAN, KY 40831 HARLAN COUNTY
APPALACHIAN WIRELESS SITE NAME:	DRESSEN
POD NUMBER:	22-130589
DRAWN BY:	POD
CHECKED BY:	MEP
DATE:	10.14.22
SHEET TITLE:	PROJECT INFORMATION, SITE MAPS, SHEET INDEX
SHEET NUMBER:	T-1

FROM LOUISVILLE MTSO: 2421 HOLLOWAY ROAD LOUISVILLE, KY 40299: HEAD SOUTH ON HOLLOWAY RD TOWARD PLANTSIDE DR (0.1 MI). TURN LEFT AT THE 1ST CROSS STREET ONTO PLANTSIDE DR (0.9 MI). USE THE LEFT 2 LANES TO TURN LEFT ONTO BLANKENBAKER PKWY (0.7 MI). USE THE RIGHT LANE TO TAKE THE RAMP ONTO I-64 E (63.5 MI). KEEP RIGHT AT THE FORK TO CONTINUE ON I-75 S (82.2 MI). TAKE EXIT 29 FOR US-25/US-25E/CUMBERLAND GAP PARKWAY TOWARD CORBIN/BARBORVILLE (0.3 MI). USE THE LEFT 2 LANES TO TURN LEFT ONTO US-25 E S (34.6 MI). TURN LEFT ONTO US-119 N/HARLAN RD & CONTINUE TO FOLLOW US-119 N (28.9 MI). TURN RIGHT ONTO KY-3459/SUNSHINE RD (0.1 MI). TURN LEFT ONTO CR-1200H (2.20 FT). SITE ACCESS ROAD WILL BE LOCATED ON LEFT (WEST) SIDE OF ROAD.

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

2018 KENTUCKY BUILDING CODE
TIA/IEA-222 - REVISION G (INCLUDES ADDENDUM #2)
2012 INTERNATIONAL MECHANICAL CODE (IMC 2012)
KENTUCKY STATE PLUMBING CODE (815 KAR CHAP 20)
2017 NATIONAL ELECTRICAL CODE (NEC) - NFPA 70
2012 INTERNATIONAL FIRE CODE (2012 IFC)
2012 INTERNATIONAL ENERGY CODE (COMMERCIAL)
GAS CODE
2009 NATIONAL FUEL GAS CODE (NFPA 54)

ACCESSIBILITY REQUIREMENTS:
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2009 IBC BUILDING CODE.

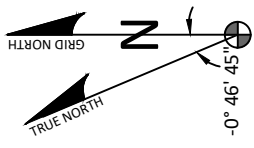
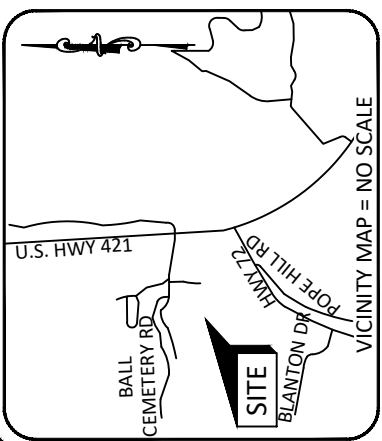
ARCHITECTURAL
POWER OF DESIGN GROUP, LLC
11490 BLUEGRASS PARKWAY
LOUISVILLE, KY 40299
PHONE: (502) 437-5252

SURVEYOR
POWER OF DESIGN GROUP, LLC
11490 BLUEGRASS PARKWAY
LOUISVILLE, KY 40299
PHONE: (502) 437-5252

PROJECT DESCRIPTION	<p>ALL ITEMS WITHIN THESE CONSTRUCTION DOCUMENTS ARE BY TOWER OWNERS GENERAL CONTRACTOR AND HIS SUB-CONTRACTORS UNLESS NOTED AS (VZW GC) WHICH SHALL INCLUDE VERIZON GENERAL CONTRACTOR AND HIS SUB-CONTRACTORS. GENERALLY DESCRIBED BELOW:</p> <p>VERIZON SCOPE (VZW GC):</p> <ul style="list-style-type: none"> NO WATER OR SEWAGE SERVICES RUN TO SITE COMPOUND EXPANSION: REMOVE EXISTING FENCE, RELOCATE EXISTING GATE, AND INSTALL NEW FENCE INSTALL NEW VZW SUBSURFACE GROUNDING SYSTEM INSTALL ELECTRICAL SERVICE CONDUIT WITH PULL TAPES FROM ILC ENCLOSURE STUB-UP WITHIN VZW EQUIPMENT PAD TO UTILITY DROP POLE INSTALL NEW CONDUITS WITH PULL TAPES FROM VZW ILC & EQUIPMENT ENCLOSURE STUB-UP LOCATIONS TO THE GENERATOR LOCATION WITHIN VZW EQUIPMENT PAD INSTALL NEW CONDUITS WITH PULL TAPES FROM RF CABINET TO OVP H-FRAME LIT FIBER LOCATION INSTALL (1) NEW "VERIZON ONLY" FIBER OPTIC CONDUIT WITH PULL TAPE AND TRACER WIRE FROM VZW EQUIPMENT TO NEW "VERIZON ONLY" 24" X 36" HANDHOLE OUTSIDE COMPOUND INSTALL (1) NEW "VERIZON ONLY" FIBER OPTIC CONDUIT WITH PULL TAPE AND TRACER WIRE FROM NEW "VERIZON ONLY" 24" X 36" HANDHOLE OUTSIDE COMPOUND TO NEW "VERIZON ONLY" 24" X 36" HANDHOLE AT EXISTING UTILITY POLE INSTALL (1) NEW "VERIZON ONLY" FIBER OPTIC CONDUIT WITH PULL TAPE FROM NEW "VERIZON ONLY" 24" X 36" HANDHOLE OUTSIDE COMPOUND AND STUB UP AT FUTURE FIBER PEDESTAL LOCATION INSTALL (2) 1-1/4" & (1) 1" INNERDUCTS WITH PULL TAPES AND TRACER WIRE WITHIN "VERIZON ONLY" FIBER OPTIC CONDUITS INSTALL A NEW 11'-6" X 14'-9" PREFABRICATED CANOPY ON EXISTING CONCRETE PAD INSTALL NEW 30 KW DIESEL GENERATOR ON EXISTING CONCRETE PAD INSTALL VZW ANTENNAS, LINES, COAX, GPS ANTENNA AND RADIO EQUIPMENT INSTALL VZW ANTENNAS, LINES, COAX, GPS ANTENNA AND RADIO EQUIPMENT ON TOWER INSTALL EXISTING SUBSURFACE GROUND LEADS TO VZW EQUIPMENT & FACILITIES INSTALL VZW ELECTRIC SERVICE CONDUCTORS FROM UTILITY DROP POLE TO VZW ILC ENCLOSURE GENERATOR INSTALL CIRCUITS FROM VZW ILC TO VZW EQUIPMENT ENCLOSURES INSTALL NEW OUTDOOR OVP AND CABLING H-FRAME SUPPORT
----------------------------	--

LOCATION MAP	
---------------------	--

VICINITY MAP	
---------------------	--



BASED ON KENTUCKY STATE PLANE SINGLE ZONE AND DETERMINED BY GPS OBSERVATIONS COMPLETED ON AUGUST 5, 2022.

GLOBAL POSITIONING SYSTEMS NOTE

1. THE BOUNDARY CORNERS AND A PORTION OF THE TOPOGRAPHY WAS LOCATED USING GPS.
2. THE TYPE OF GPS UTILIZED WAS NETWORK ADJUSTED REAL TIME KINEMATIC (KDOT VRS NETWORK), NAD 83 KENTUCKY SINGLE ZONE WITH THE ORTHOMETRIC HEIGHT COMPUTED USING GEOID18. RELATIVE POSITIONAL ACCURACY VARIED FROM 0.02' TO 0.06' HORIZONTALLY.
3. SPECTRA PRECISION EPOCH 50 DUAL FREQUENCY RECEIVERS WERE USED TO PERFORM THE SURVEY.

GENERAL NOTES

NO SEARCH OF PUBLIC RECORDS HAS BEEN COMPLETED BY POD GROUP TO DETERMINE ANY DEFECTS AND/OR AMBIGUITIES IN THE TITLE OF THE SUBJECT PROPERTY.

THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARENT PARCEL BUT DEPICTS THE "AS-BUILT" LOCATION OF THE TOWER SITE AS OF AUGUST 5, 2022, AND ONLY A PARTIAL BOUNDARY SURVEY OF THE PARENT PARCEL HAS BEEN PERFORMED.

A PORTION OF THIS SURVEY WAS CONDUCTED BY METHOD OF RANDOM TRAVERSE WITH SIDE SHOTS UNADJUSTED CLOSURE EQUALS 0.02', FOR A PRECISION OF 1:32,396 AND HAS NOT BEEN ADJUSTED.

THIS PROPERTY IS SUBJECT TO ANY RECORDED EASEMENTS AND/OR RIGHTS OF WAY SHOWN HEREON OR NOT.

THIS PLAT IS NOT INTENDED FOR LAND TRANSFER.

THE PARENT PARCEL, THE EXISTING LEASE AREA AND THE EXISTING ACCESS & UTILITY EASEMENT SHOWN HEREON ARE NOT LOCATED IN A 100-YEAR FLOOD PLAIN (ZONE X) PER FLOOD HAZARD BOUNDARY MAP, COMMUNITY-PANEL NUMBER 21095C0279F, DATED AUGUST 10, 2021.

LAND SURVEYOR'S CERTIFICATE

I, MARK E. PATTERSON, HEREBY CERTIFY THAT I AM A LICENSED PROFESSIONAL LAND SURVEYOR LICENSED IN COMPLIANCE WITH THE LAWS OF THE COMMONWEALTH OF KENTUCKY. I FURTHER CERTIFY THAT THIS PLAT AND THE SURVEY ON THE GROUND WERE PERFORMED BY PERSONS UNDER MY DIRECT SUPERVISION, AND THAT THE DIRECTIONAL AND LINEAR MEASUREMENTS BEING WITNESSED BY MONUMENTS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. THE "URBAN" SURVEY, AND THE PLAT ON WHICH IT IS BASED, MEETS ALL SPECIFICATIONS AS STATED IN KAR 201.18:150.

Max Patterson
 MARK PATTERSON, PLS #3136

03/09/2023

DATE



Know what's below. Call before you dig.
 1-800-752-6007
 PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICES AGENCIES BEFORE COMMENCING WORK.

PARCEL ID: 070-00-00-007.00
 DAHHAN ABDULKADER
 DEED BOOK 484, PAGE 371

PARCEL ID: 070-00-00-007.04
 EAST KENTUCKY NETWORK, LLC
 DEED BOOK 417, PAGE 456

EX. SELF SUPPORT TOWER
 EAST KENTUCKY NETWORK, LLC
 d.b.a. APPALACHIAN WIRELESS
 ASR: #1265240
 LATITUDE: 36° 49' 50.6"
 LONGITUDE: -83° 19' 44.5"
 ELEVATION: 1399.9'± AMSL

AS SURVEYED
 NAD 83
 LATITUDE: 36° 49' 50.367934"
 LONGITUDE: 83° 19' 44.842996"
 NAVD 88
 GROUND ELEVATION: 1437.9'± AMSL

PARCEL ID: 070-00-00-007.00
 DAHHAN ABDULKADER
 DEED BOOK 484, PAGE 371

PARCEL ID: 070-00-00-006.00
 BROTHERS CONSTRUCTION INC



REV.	DATE	DESCRIPTION
A	8.15.22	PRELIM ISSUE W/TITLE
0	3.9.23	ISSUED AS FINAL

SITE INFORMATION:
LV GRAYS KNOB
 CATRONS CREEK 0
 DRESSEN, KY 40831
 HARLAN COUNTY

TAX PARCEL NUMBER:
 070-00-00-007.04

PROPERTY OWNER:
 EAST KENTUCKY NETWORK, LLC
 101 TECHNOLOGY TRAIL
 IVEL, KY 41642

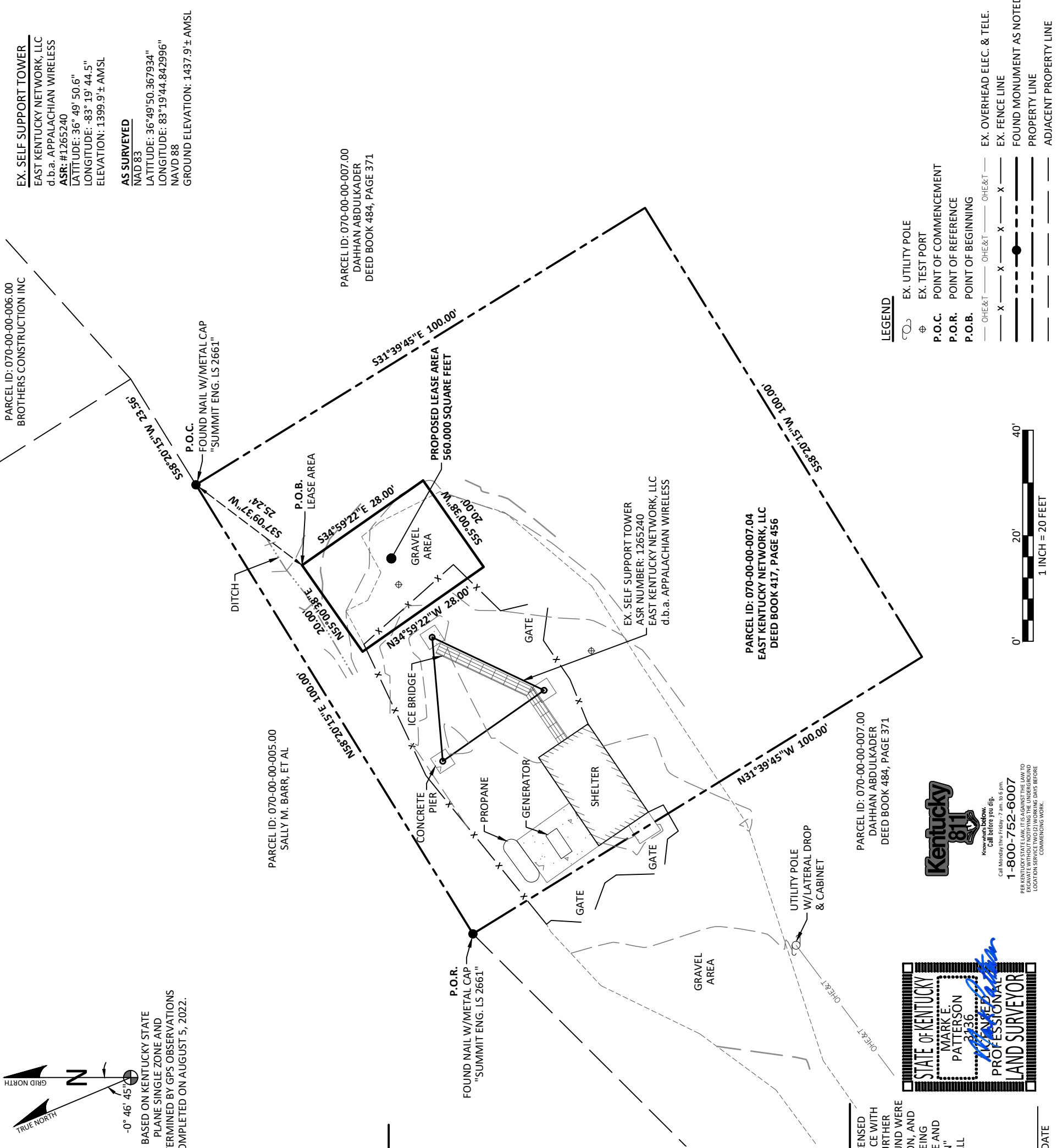
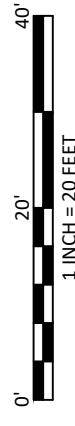
SOURCE OF TITLE:
 DEED BOOK 417, PAGE 456

POD NUMBER: 22-130585
 DRAWN BY: TCS/DAP
 CHECKED BY: MEP
 SURVEY DATE: 8.5.22
 PLAT DATE: 8.15.22

AS-BUILT SURVEY
 THIS DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARENT PARCEL

SHEET NUMBER: (3 pages)
B-1

- LEGEND**
- EX. UTILITY POLE
 - EX. TEST PORT
 - P.O.C. POINT OF COMMENCEMENT
 - P.O.R. POINT OF REFERENCE
 - P.O.B. POINT OF BEGINNING
 - OHE&T OHE&T
 - OHE&T OHE&T
 - EX. OVERHEAD ELEC. & TELE.
 - EX. FENCE LINE
 - FOUND MONUMENT AS NOTED
 - PROPERTY LINE
 - ADJACENT PROPERTY LINE



REPORT OF TITLE

THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY POD GROUP, LLC, AND AS SUCH WE ARE NOT RESPONSIBLE FOR THE INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP TITLE EVIDENCE, UNRECORDED EASEMENTS, AUGMENTING EASEMENTS, IMPLIED OR PRESCRIPTIVE EASEMENTS, OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE AND THIS SURVEY WAS COMPLETED WITH THE AID OF TITLE WORK PREPARED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, FOR THE BENEFIT OF COOTS, HENKE & WHEELER, P.C. - KENTUCKY, ORDER NO. 37336334, CUSTOMER REFERENCE LV GRAYS KNOB, DATED JUNE 27, 2022. THE FOLLOWING COMMENTS ARE IN REGARD TO SAID REPORT:

"SCHEDULE BII, EXCEPTIONS"

- TAXES**
 TYPE OF TAX: COUNTY
 CALENDAR YEAR: 2021
 AMOUNT: \$530.77 ANNUALLY
 PARCEL ID #: 070-00-00-007.04 (PARCEL 1)
 PAID THROUGH: 2021
 ASSESSMENT: \$40,000.00 (TOTAL = LAND AND IMPROVEMENTS, IF ANY)
 (NOT A LAND SURVEYING MATTER, THEREFORE, POWER OF DESIGN GROUP, LLC DID NOT EXAMINE OR ADDRESS THIS ITEM.)
- TAXES**
 TYPE OF TAX: COUNTY
 CALENDAR YEAR: 2021
 AMOUNT: \$319.14 ANNUALLY
 PARCEL ID #: 070-00-00-007.00 (PARCEL 2)
 PAID THROUGH: 2021
 ASSESSMENT: \$24,000.00 (TOTAL = LAND AND IMPROVEMENTS, IF ANY)
 (NOT A LAND SURVEYING MATTER, THEREFORE, POWER OF DESIGN GROUP, LLC DID NOT EXAMINE OR ADDRESS THIS ITEM.)
1. DEED OF EASEMENT IN FAVOR OF CITY OF HARLAN, KENTUCKY, A MUNICIPAL CORPORATION SET FORTH IN INSTRUMENT RECORDED ON FEBRUARY 14, 1975 IN DEED BOOK 1, PAGE 470.
 (THE EASEMENTS, EXCEPTIONS AND RESTRICTIONS AS DESCRIBED IN BOOK 1, PAGE 470 ARE NOT SHOWN ON THE MINOR PLAT ATTACHED TO SAID DEED, THEREFORE THE EASEMENTS, EXCEPTIONS AND RESTRICTIONS DO NOT APPLY.)

2. RIGHT OF WAY EASEMENT IN FAVOR OF SOUTH CENTRAL BELL TELEPHONE COMPANY SET FORTH IN INSTRUMENT RECORDED ON JUNE 19, 1984 IN DEED BOOK 3, PAGE 183.
 (THE EASEMENTS, EXCEPTIONS AND RESTRICTIONS AS DESCRIBED IN BOOK 3, PAGE 183 ARE NOT SHOWN ON THE MINOR PLAT ATTACHED TO SAID DEED, THEREFORE THE EASEMENTS, EXCEPTIONS AND RESTRICTIONS DO NOT APPLY.)

3. NOTICE OF STATE TAX LIEN, DATED FEBRUARY 12, 2003, FILED AGAINST BROTHERS HARDWARE & BUILDING SUPPLY INC., IN FAVOR OF THE COMMONWEALTH OF KENTUCKY, BEING DOCKETED ON FEBRUARY 20, 2003, IN DEED BOOK 34, PAGE 389.
 NOTE: DUE TO SIMILAR OR LIKE NAMES THIS JUDGMENT MAY BE DOCKETED AGAINST SUBJECT PROPERTY OWNER OR IT MAY BE DOCKETED AGAINST A SIMILAR OR LIKE NAME.
 (POWER OF DESIGN GROUP, LLC DID NOT EXAMINE OR ADDRESS THIS ITEM.)

4. NOTICE OF TAX LIEN, DATED AUGUST 23, 2010, FILED AGAINST BROTHERS HARDWARE & BUILDING SUPPLY INC., IN FAVOR OF COMMONWEALTH OF KENTUCKY, BEING DOCKETED ON OCTOBER 15, 2010, IN DEED BOOK 53, PAGE 327.
 NOTE: DUE TO SIMILAR OR LIKE NAMES THIS JUDGMENT MAY BE DOCKETED AGAINST SUBJECT PROPERTY OWNER OR IT MAY BE DOCKETED AGAINST A SIMILAR OR LIKE NAME.
 (POWER OF DESIGN GROUP, LLC DID NOT EXAMINE OR ADDRESS THIS ITEM.)

1. NOTICE OF TAX LIEN, DATED NOVEMBER 27, 2012, FILED AGAINST BROTHERS HARDWARE & BUILDING SUPPLY INC., IN FAVOR OF COMMONWEALTH OF KENTUCKY, BEING DOCKETED ON DECEMBER 13, 2012, IN DEED BOOK 58, PAGE 702.
 NOTE: DUE TO SIMILAR OR LIKE NAMES THIS JUDGMENT MAY BE DOCKETED AGAINST SUBJECT PROPERTY OWNER OR IT MAY BE DOCKETED AGAINST A SIMILAR OR LIKE NAME.
 (POWER OF DESIGN GROUP, LLC DID NOT EXAMINE OR ADDRESS THIS ITEM.)

2. NOTICE OF LIEN FILED BY COMMON WEALTH OF KENTUCKY AGAINST BROTHERS HARDWARE & BUILDING SUPPLY INC., RECORDED ON FEBRUARY 28, 2014, IN DEED BOOK 62, PAGE 127.
 (POWER OF DESIGN GROUP, LLC DID NOT EXAMINE OR ADDRESS THIS ITEM.)

3. LAND CONTRACT DATED MAY 19, 2008, BY AND BETWEEN BROTHERS HARDWARE & BUILDING SUPPLY INC., AND PEDRO ROMAN AND CONSUELLO LOZANO, RECORDED ON NOVEMBER 15, 2013 IN DEED BOOK 450, PAGE 726.
 (DOES NOT AFFECT THE SUBJECT PARCEL.)

4. NOTICE OF JUDGMENT LIEN, FILED AGAINST BRITT BLANTON, KIM BLANTON, BROTHER'S HARDWARE & BUILDING SUPPLY INC., JIMMY BERRY BLANTON, BETTY ARLENE BLANTON, KENTUCKY HIGHLANDS INVESTMENT CORPORATION, PINE MOUNTAIN COMMUNITY DEVELOPMENT CORPORATION AND MOUNTAIN ASSOCIATION FOR COMMUNITY ECONOMIC DEVELOPMENT, INC., IN FAVOR OF COMMERCIAL BANK, INC., BEING DOCKETED ON NOVEMBER 9, 2015, IN DEED BOOK 64, PAGE 747.
 (POWER OF DESIGN GROUP, LLC DID NOT EXAMINE OR ADDRESS THIS ITEM.)

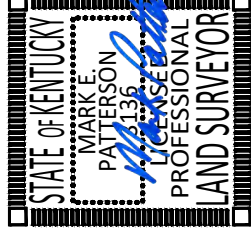
PROPOSED LEASE AREA

THE FOLLOWING IS A DESCRIPTION OF THE PROPOSED LEASE AREA TO BE LEASED FROM THE PROPERTY CONVEYED TO EAST KENTUCKY NETWORK, LLC AS RECORDED IN DEED BOOK 417, PAGE 456 IN THE OFFICE OF THE CLERK IN HARLAN COUNTY, KENTUCKY, PARCEL ID: 070-00-00-007.04, WHICH IS MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND NAIL WITH A METAL CAP STAMPED "SUMMIT ENG. LS 2661 AT THE NORTHEAST CORNER OF THE PARCEL CONVEYED TO EAST KENTUCKY NETWORK, LLC AS RECORDED IN DEED BOOK 417, PAGE 456, SAID POINT OF COMMENCEMENT BEING N58°20'15"E 100.00' FROM A FOUND NAIL WITH A METAL CAP STAMPED "SUMMIT ENG. LS 2661 AT THE NORTHWEST CORNER OF SAID EAST KENTUCKY NETWORK, LLC PARCEL; THENCE TRAVERSING ACROSS THE LAND OF EAST KENTUCKY NETWORK, LLC, S37°09'37"W 25.24' TO THE NORTHEAST CORNER OF THE PROPOSED LEASE AREA AND BEING **THE POINT OF BEGINNING**: THENCE S34°59'22"E 28.00'; THENCE S55°00'38"W 20.00'; THENCE N34°59'22"W 28.00'; THENCE N55°00'38"E 20.00' TO THE POINT OF BEGINNING CONTAINING 560.00 SQUARE FEET AS PER SURVEY BY MARK PATTERSON, PLS #3136 WITH POWER OF DESIGN GROUP, LLC DATED AUGUST 5, 2022.

LAND SURVEYOR'S CERTIFICATE

I, MARK E. PATTERSON, HEREBY CERTIFY THAT I AM A LICENSED PROFESSIONAL LAND SURVEYOR LICENSED IN COMPLIANCE WITH THE LAWS OF THE COMMONWEALTH OF KENTUCKY. I FURTHER CERTIFY THAT THIS PLAT AND THE SURVEY ON THE GROUND WERE PERFORMED BY PERSONS UNDER MY DIRECT SUPERVISION, AND THAT THE DIRECTIONAL AND LINEAR MEASUREMENTS BEING WITNESSED BY MONUMENTS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. THE "URBAN" SURVEY, AND THE PLAT ON WHICH IT IS BASED, MEETS ALL SPECIFICATIONS AS STATED IN KAR 201 18:150.



Max Patterson

03/09/2023

MARK PATTERSON, PLS #3136

DATE



PREPARED FOR:



REVISIONS

REV.	DATE	DESCRIPTION
A	8.15.22	PRELIM ISSUE W/TITLE
0	3.9.23	ISSUED AS FINAL

SITE INFORMATION:

LV GRAYS KNOB
 CATRONS CREEK O
 DRESSEN, KY 40831
 HARLAN COUNTY

TAX PARCEL NUMBER:
 070-00-00-007.04

PROPERTY OWNER:
 EAST KENTUCKY NETWORK, LLC
 101 TECHNOLOGY TRAIL
 IVEL, KY 41642

SOURCE OF TITLE:
 DEED BOOK 417, PAGE 456

POD NUMBER: 22-130585
DRAWN BY: TCS/DAP
CHECKED BY: MEP
SURVEY DATE: 8.5.22
PLAT DATE: 8.15.22

SHEET TITLE:

AS-BUILT SURVEY

THIS DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARENT PARCEL

SHEET NUMBER: (3 pages)

B-1.1

REVISION LOG

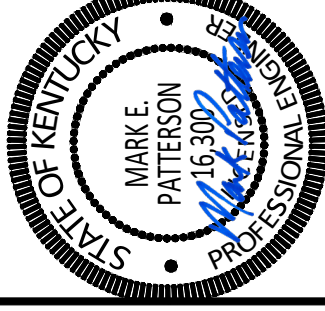
REV*	MM/DD/YY	SHEET NUMBER	DESCRIPTION OF REVISION
A	3/9/2023	ALL SHEETS	ISSUED FOR REVIEW
0	3/21/2023	ALL SHEETS	ISSUED AS FINAL



CELLCO PARTNERSHIP
D/B/A



03/21/2023



EN PERMIT: 3594

CONSTRUCTION DRAWINGS

REV.	DATE	DESCRIPTION
A	3-9-23	ISSUED FOR REVIEW
0	3-21-23	ISSUED AS FINAL

SITE INFORMATION:

LV GRAYS KNOB

114 BLANTON DR
HARLAN, KY 40831
HARLAN COUNTY

APPALACHIAN WIRELESS SITE NAME:

DRESSEN

POD NUMBER: 22-130589

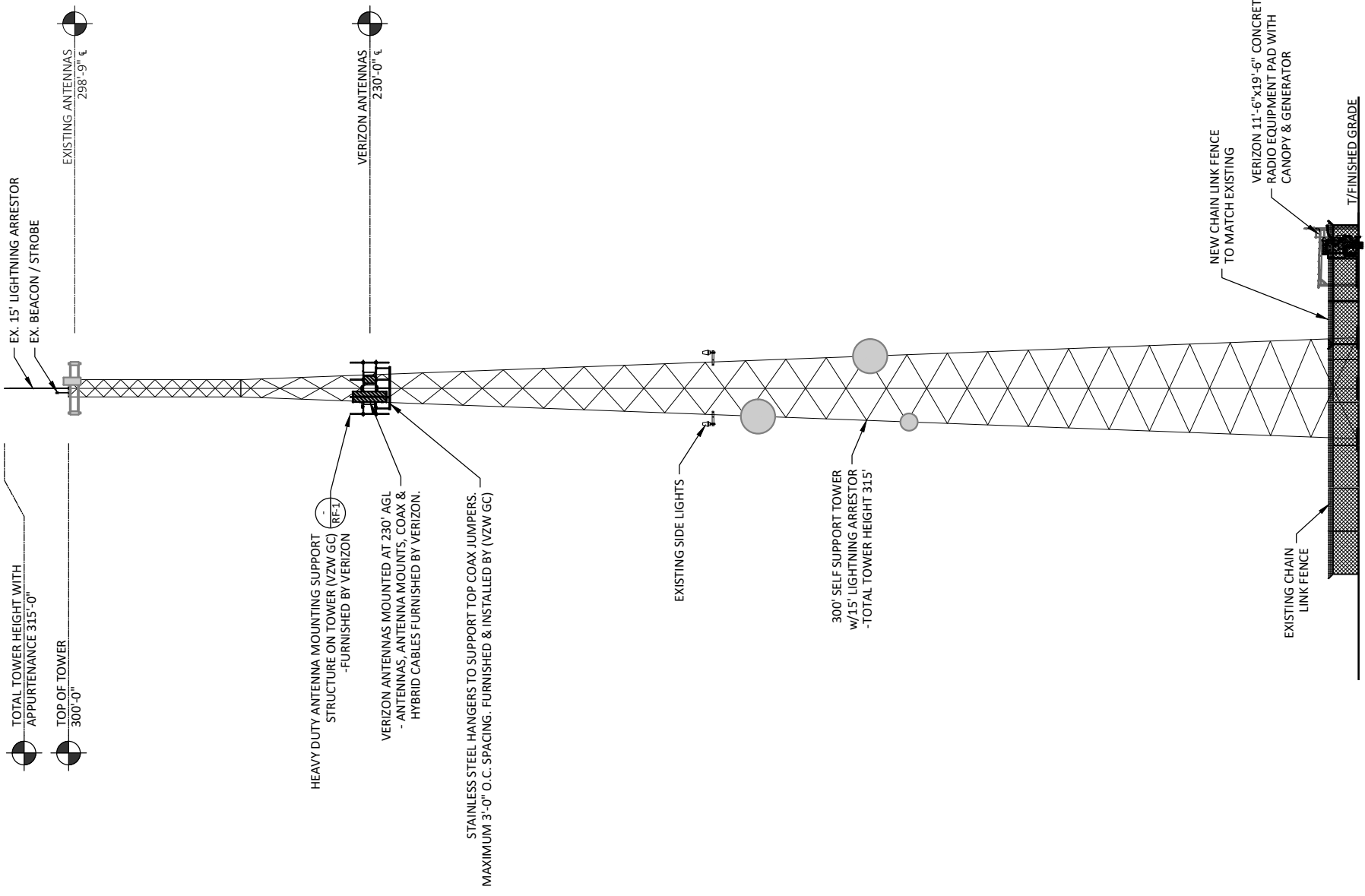
DRAWN BY: POD
CHECKED BY: MEP
DATE: 10.14.22

SHEET TITLE:

REVISION LOG

SHEET NUMBER:

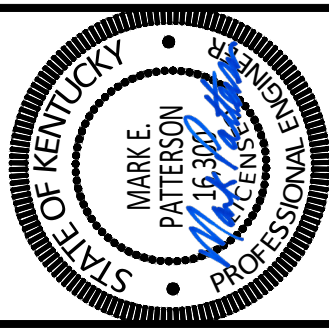
R-1



NOTE:
 1. IT IS THE INSTALLING CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL ANTENNA INFORMATION AGAINST FINAL RADIO ENGINEERING PLAN PROVIDED BY CELCO PARTNERSHIP d/b/a VERIZON (VZW GC)



03/21/2023



EN PERMIT: 3594

CONSTRUCTION DRAWINGS

REV.	DATE	DESCRIPTION
A	3.9.23	ISSUED FOR REVIEW
0	3.21.23	ISSUED AS FINAL

SITE INFORMATION:
LV GRAYS KNOB
 114 BLANTON DR
 HARLAN, KY 40831
 HARLAN COUNTY

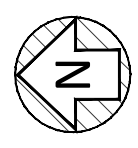
APPALACHIAN WIRELESS SITE NAME:
DRESSEN

POD NUMBER: 22-130589
 DRAWN BY: POD
 CHECKED BY: MEP
 DATE: 10.14.22

SHEET TITLE:

TOWER ELEVATION

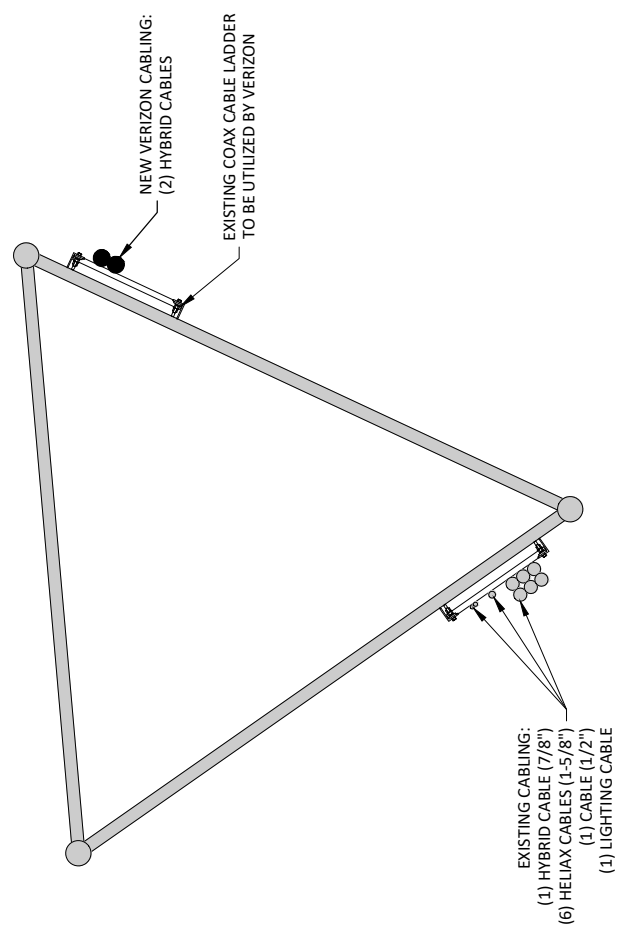
SHEET NUMBER:
TE-1



COAX PLAN
 SCALE: N.T.S.



TOWER ELEVATION
 SCALE: N.T.S.

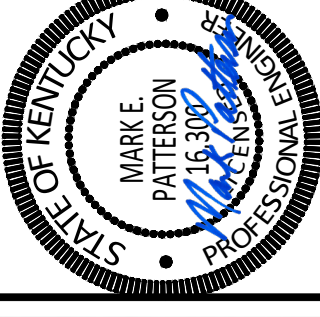




CELLCO PARTNERSHIP
D/B/A



03/21/2023



EN PERMIT: 3594

CONSTRUCTION DRAWINGS

REV.	DATE	DESCRIPTION
A	3-9-23	ISSUED FOR REVIEW
0	3-21-23	ISSUED AS FINAL

SITE INFORMATION:

LV GRAYS KNOB

114 BLANTON DR
HARLAN, KY 40831
HARLAN COUNTY

APPALACHIAN WIRELESS SITE NAME:

DRESSEN

POD NUMBER: 22-130589

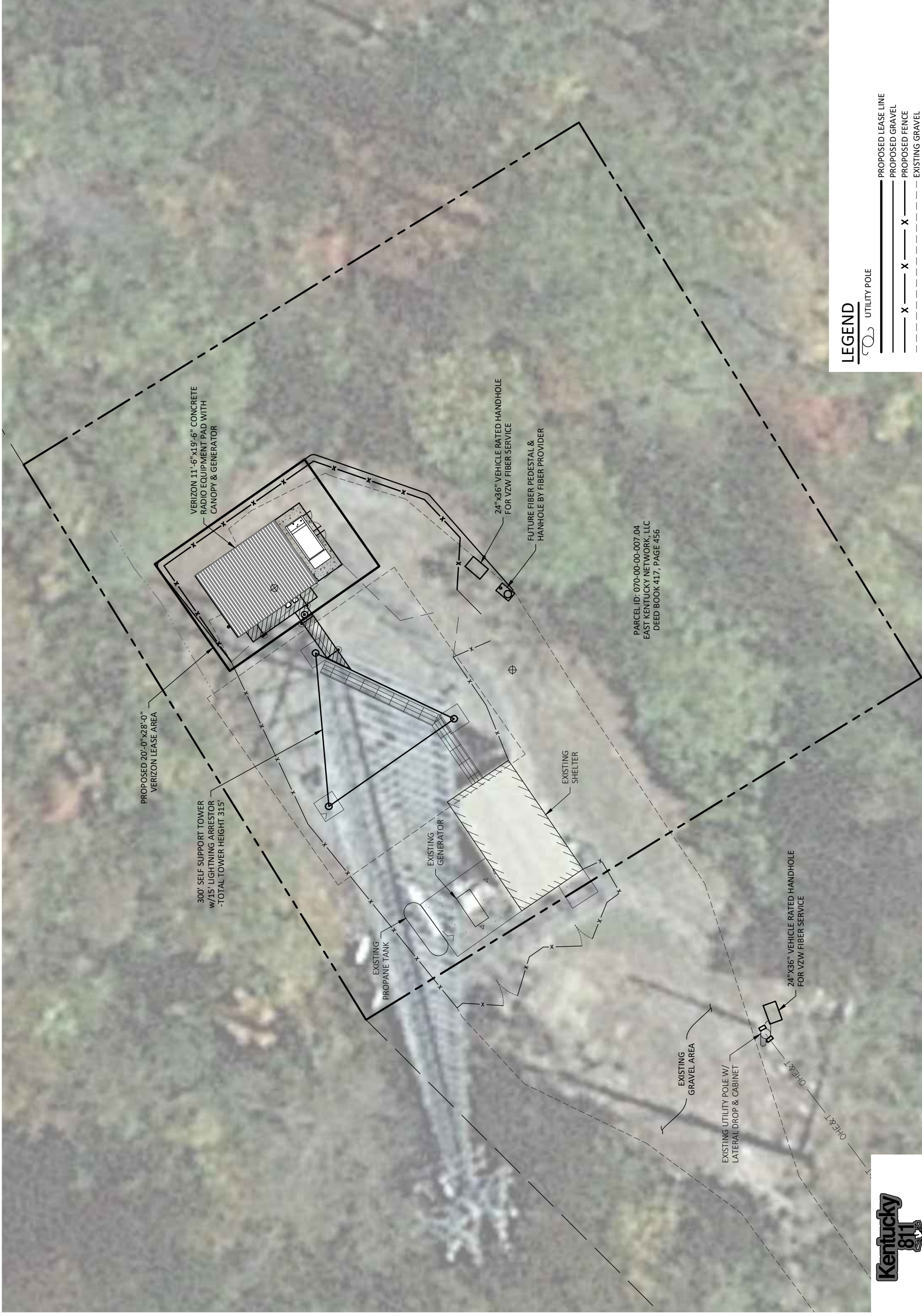
DRAWN BY: POD
CHECKED BY: MEP
DATE: 10.14.22

SHEET TITLE:

OVERALL SITE PLAN W/AERIAL OVERLAY

SHEET NUMBER:

C-1



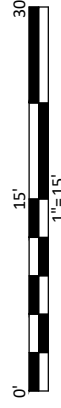
LEGEND

	UTILITY POLE
	PROPOSED LEASE LINE
	PROPOSED GRAVEL
	PROPOSED FENCE
	EXISTING GRAVEL
	EXISTING FENCE
	EXISTING OVERHEAD ELECTRIC & TELEPHONE
	PROPERTY LINE
	ADJACENT PROPERTY LINE
	EXISTING DITCH



OVERALL SITE PLAN W/AERIAL OVERLAY

SCALE: 1" = 15'



Know what's below. Call before you dig.

Call Monday thru Friday, 7 am. to 6 pm.
1-800-752-6007

PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE DAYS BEFORE COMMENCING WORK.

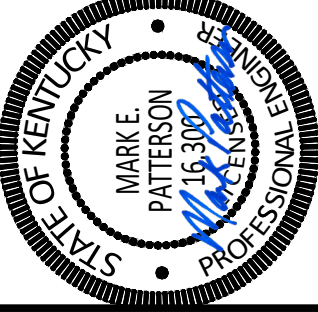


11490 BLUEGRASS PARKWAY
LOUISVILLE, KY 40299
502-437-5252

CELLCO PARTNERSHIP
D/B/A



03/21/2023



EN PERMIT: 3594

CONSTRUCTION DRAWINGS

REV.	DATE	DESCRIPTION
A	3.9.23	ISSUED FOR REVIEW
0	3.21.23	ISSUED AS FINAL

SITE INFORMATION:

LV GRAYS KNOB
114 BLANTON DR
HARLAN, KY 40831
HARLAN COUNTY

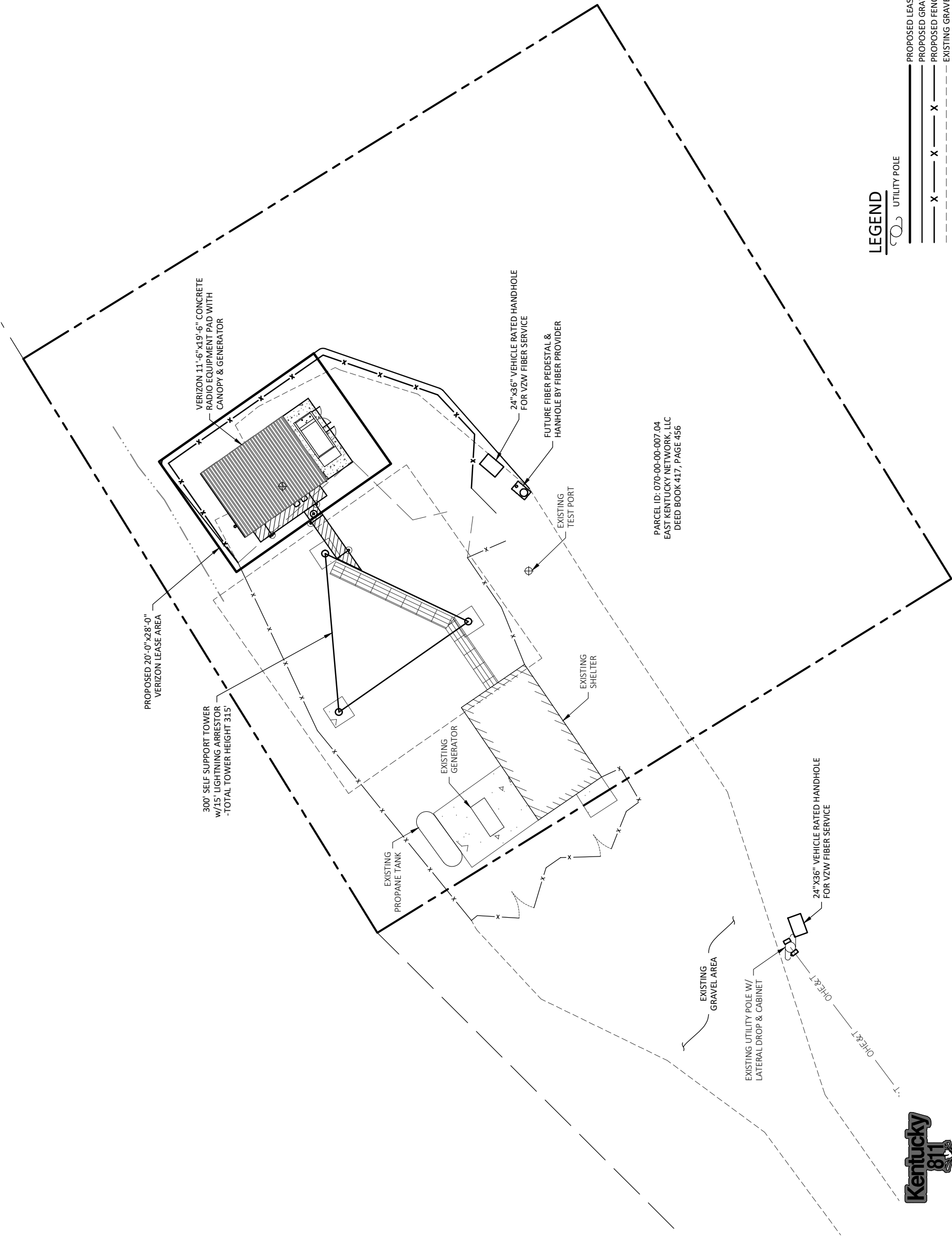
APPALACHIAN WIRELESS SITE NAME:
DRESSEN

POD NUMBER: 22-130589
DRAWN BY: POD
CHECKED BY: MEP
DATE: 10.14.22

SHEET TITLE:

OVERALL SITE PLAN

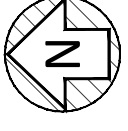
SHEET NUMBER:
C-1A



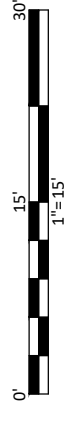
PARCEL ID: 070-00-00-007.04
EAST KENTUCKY NETWORK, LLC
DEED BOOK 417, PAGE 456

LEGEND

	UTILITY POLE
	PROPOSED LEASE LINE
	PROPOSED GRAVEL
	PROPOSED FENCE
	EXISTING GRAVEL
	EXISTING FENCE
	EXISTING OVERHEAD ELECTRIC & TELEPHONE
	PROPERTY LINE
	ADJACENT PROPERTY LINE
	EXISTING DITCH



OVERALL SITE PLAN
SCALE: 1" = 15'



Know what's below.
Call before you dig.
1-800-752-6007
PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTICING THE UNDERGROUND LOCATION SERVICES PROVIDERS BEFORE COMMENCING WORK.

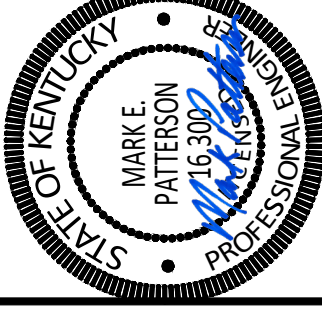


CELLCO PARTNERSHIP

D/B/A



03/21/2023



EN PERMIT: 3594

CONSTRUCTION DRAWINGS

REV.	DATE	DESCRIPTION
A	3-9-23	ISSUED FOR REVIEW
0	3-21-23	ISSUED AS FINAL

SITE INFORMATION:

LV GRAYS KNOB

114 BLANTON DR
HARLAN, KY 40831
HARLAN COUNTY

APPALACHIAN WIRELESS SITE NAME:

DRESSEN

POD NUMBER: 22-130589

DRAWN BY: POD

CHECKED BY: MEP

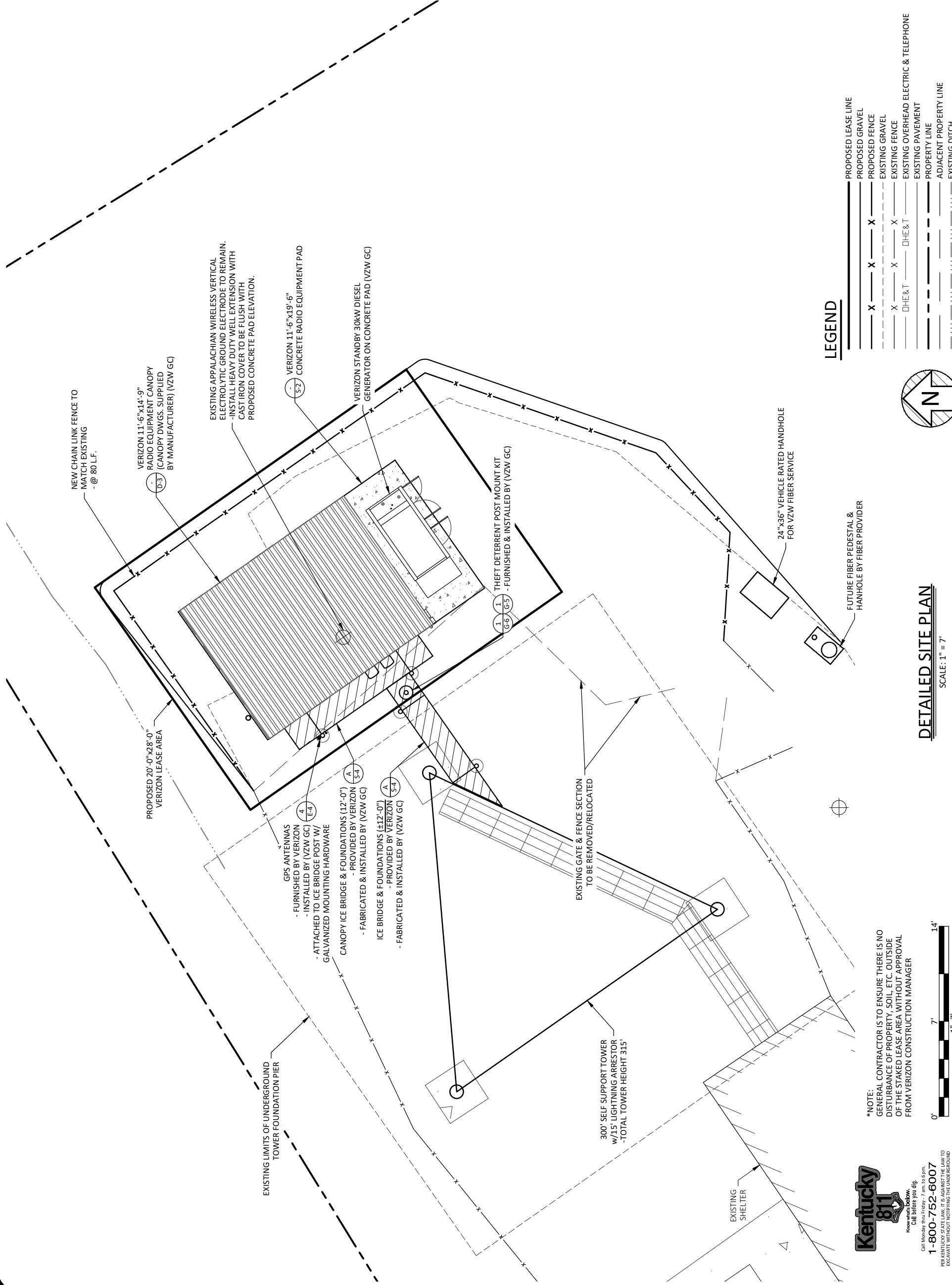
DATE: 10.14.22

SHEET TITLE:

DETAILED SITE PLAN

SHEET NUMBER:

C-3



LEGEND

- X — X — PROPOSED LEASE LINE
- X — X — PROPOSED GRAVEL
- X — X — PROPOSED FENCE
- X — X — EXISTING GRAVEL
- X — X — EXISTING FENCE
- DHE&T — DHE&T
- DHE&T — EXISTING OVERHEAD ELECTRIC & TELEPHONE
- — EXISTING PAVEMENT
- — EXISTING PROPERTY LINE
- — ADJACENT PROPERTY LINE
- — EXISTING DITCH



DETAILED SITE PLAN

SCALE: 1" = 7'

*NOTE:
GENERAL CONTRACTOR IS TO ENSURE THERE IS NO DISTURBANCE OF PROPERTY, SOIL, ETC. OUTSIDE OF THE STAKED LEASE AREA WITHOUT APPROVAL FROM VERIZON CONSTRUCTION MANAGER



Know what's below. Call before you dig.

1-800-752-6007

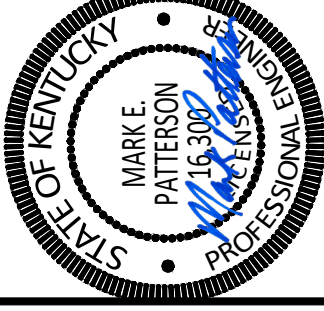
PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE 7 DAYS BEFORE COMMENCING WORK.



CELLCO PARTNERSHIP
D/B/A



03/21/2023



EN PERMIT: 3594

CONSTRUCTION
DRAWINGS

REV.	DATE	DESCRIPTION
A	3-9-23	ISSUED FOR REVIEW
0	3-21-23	ISSUED AS FINAL

SITE INFORMATION:

LV GRAYS KNOB

114 BLANTON DR
HARLAN, KY 40831
HARLAN COUNTY

APPALACHIAN WIRELESS SITE NAME:

DRESSEN

POD NUMBER: 22-130589

DRAWN BY: POD

CHECKED BY: MEP

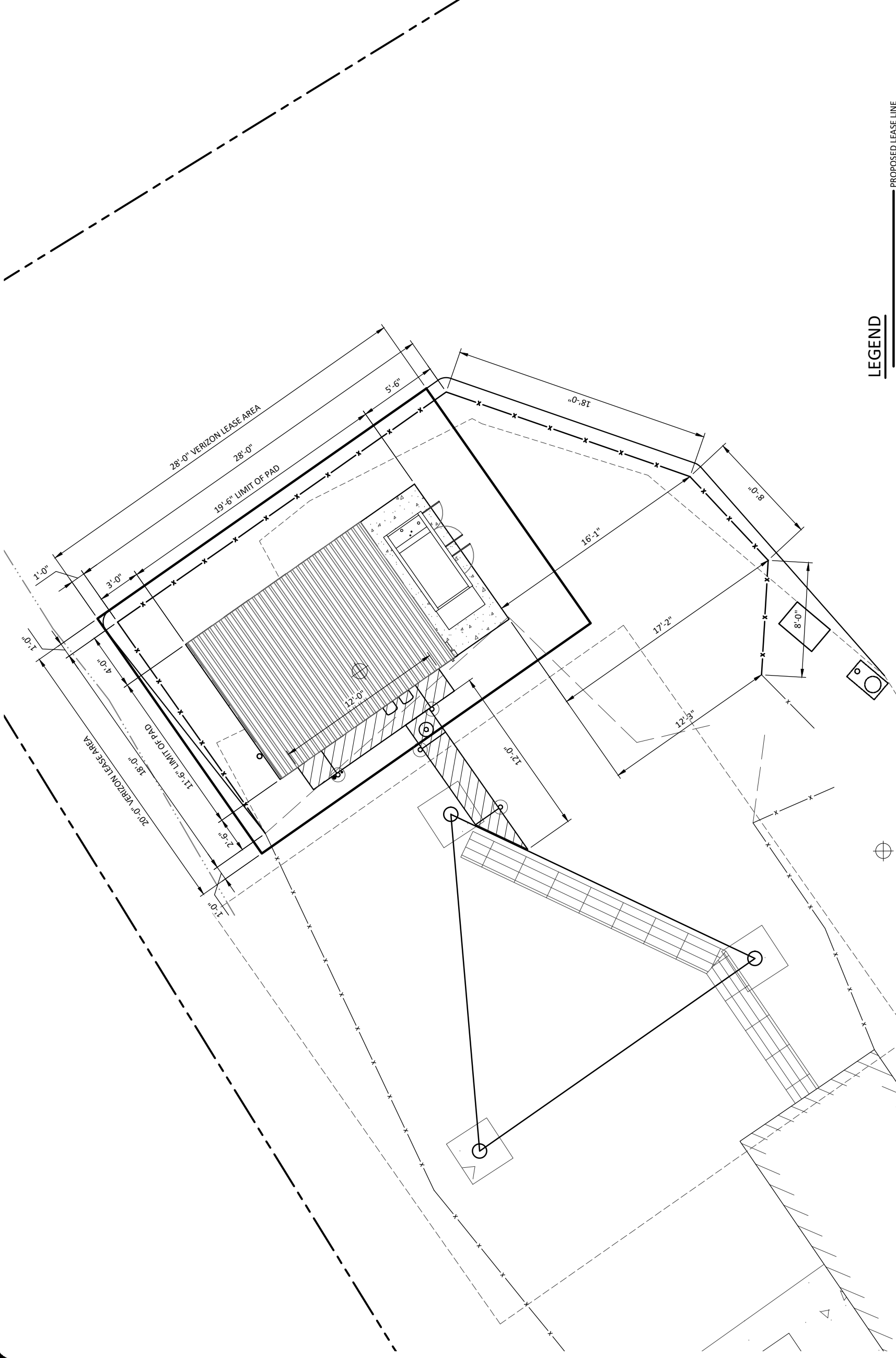
DATE: 10.14.22

SHEET TITLE:

DIMENSIONED SITE
PLAN

SHEET NUMBER:

C-4



LEGEND

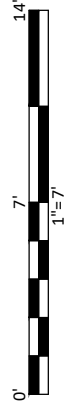
- X — X — PROPOSED LEASE LINE
- X — X — PROPOSED GRAVEL
- X — X — EXISTING GRAVEL
- X — X — EXISTING FENCE
- X — X — EXISTING OVERHEAD ELECTRIC & TELEPHONE
- X — X — EXISTING PAVEMENT
- X — X — PROPERTY LINE
- X — X — ADJACENT PROPERTY LINE
- X — X — EXISTING DITCH



DIMENSIONED SITE PLAN

SCALE: 1" = 7'

*NOTE:
GENERAL CONTRACTOR IS TO ENSURE THERE IS NO
DISTURBANCE OF PROPERTY, SOIL, ETC. OUTSIDE
OF THE STAKED LEASE AREA WITHOUT APPROVAL
FROM VERIZON CONSTRUCTION MANAGER



Call Monday thru Friday, 7 am. to 6 pm.
1-800-752-6007
PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW TO
EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND
UTILITY LOCATIONS SERVICE CENTER BEFORE
COMMENCING WORK.

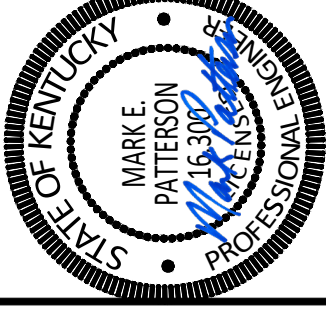


CELLCO PARTNERSHIP

D/B/A



03/21/2023



EN PERMIT: 3594

CONSTRUCTION DRAWINGS

REV.	DATE	DESCRIPTION
A	3-9-23	ISSUED FOR REVIEW
0	3-21-23	ISSUED AS FINAL

SITE INFORMATION:

LV GRAYS KNOB

114 BLANTON DR
HARLAN, KY 40831
HARLAN COUNTY

APPALACHIAN WIRELESS SITE NAME:

DRESSEN

POD NUMBER: 22-130589

DRAWN BY: POD

CHECKED BY: MEP

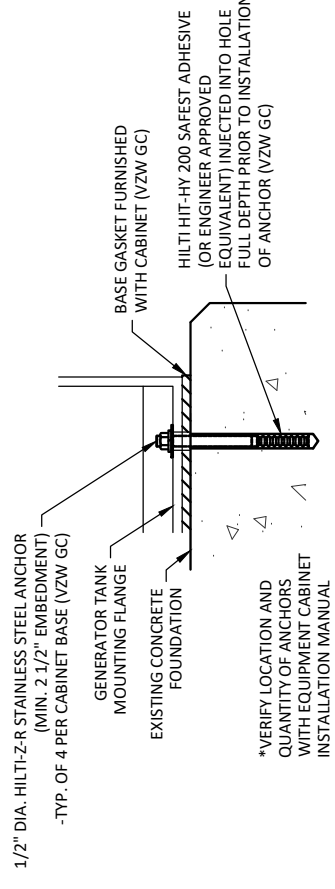
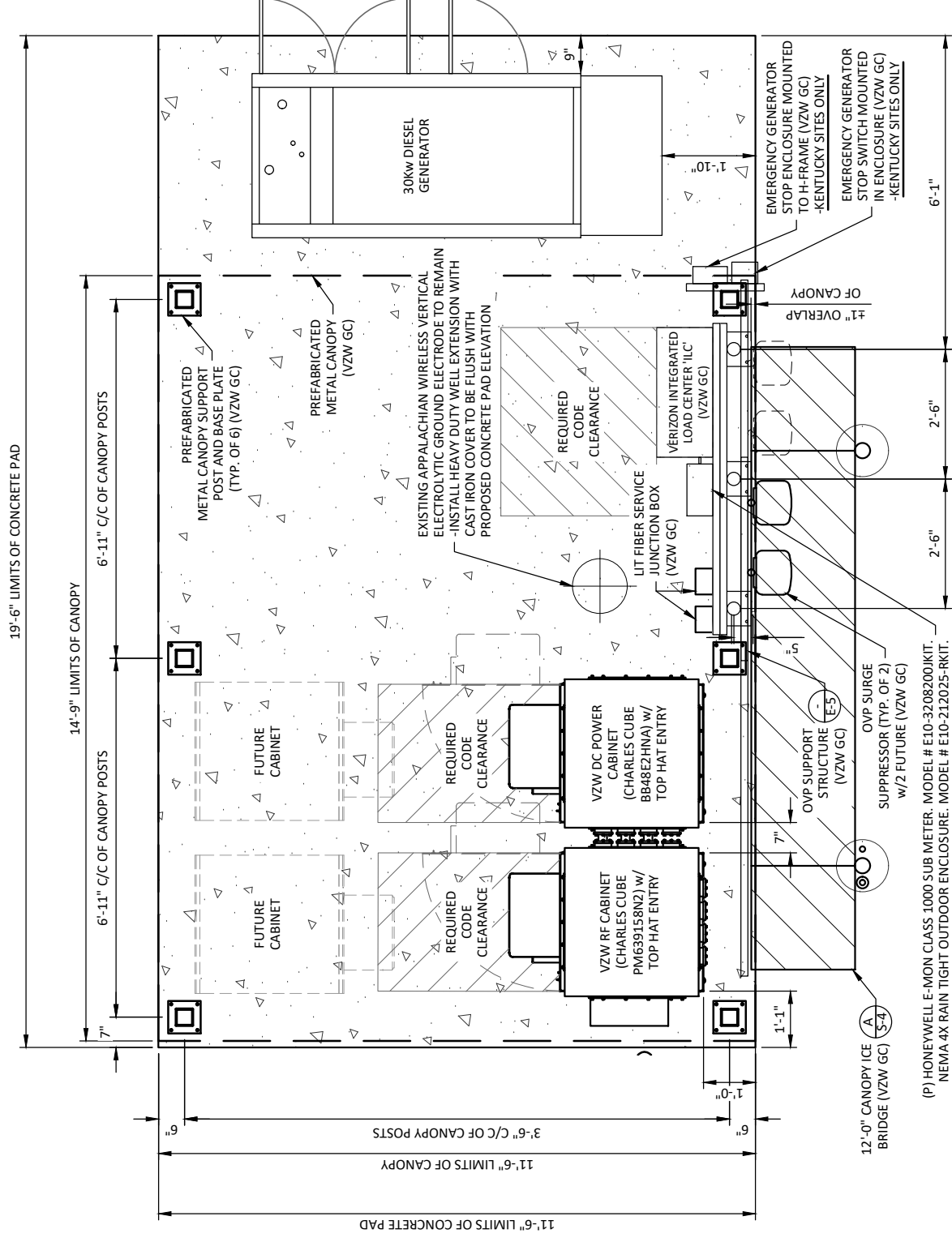
DATE: 10.14.22

SHEET TITLE:

DETAILED EQUIPMENT PAD PLAN

SHEET NUMBER:

C-5



DETAILED EQUIPMENT PAD PLAN

SCALE: 1" = 3'

*NOTE: GENERAL CONTRACTOR IS TO ENSURE THERE IS NO DISTURBANCE OF PROPERTY, SOIL, ETC. OUTSIDE OF THE STAKED LEASE AREA WITHOUT APPROVAL FROM VERIZON CONSTRUCTION MANAGER



Know what's below. Call before you dig. Call Monday thru Friday, 7 am. to 6 pm. 1-800-752-6007 PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE (811) AT LEAST 3 BUSINESS DAYS BEFORE COMMENCING WORK.

EQUIPMENT CABINET MOUNTING DETAIL

SCALE: N.T.S.

1 C-5

GENERAL SITE CONSTRUCTION NOTES

- SCHEDULE:**
THE GENERAL CONTRACTOR SHALL REPAIR/REPLACE ANY DAMAGE TO EXISTING ACCESS DRIVE WITH LIKE MATERIALS AND CONSTRUCTION TO MATCH EXISTING ADJACENT DRIVE DO TO CONSTRUCTION UPON COMPLETION OF CONSTRUCTION.
- TOWER OWNER REPRESENTATIVE:**
APPALACHIAN WIRELESS
101 TECHNOLOGY TRAIL
IVEL, KY 41642
CONTACT: RAINA HELTON
PHONE: (606) 477-2355 EXT: 1005
E-MAIL: RHELTON@EKN.COM
- PROPERTY OWNER REPRESENTATIVE:**
EAST KENTUCKY NETWORK, LLC
101 TECHNOLOGY TRAIL
IVEL, KY 41642
CONTACT: RAINA HELTON
PHONE: (606) 477-2355 EXT: 1005
E-MAIL: RHELTON@EKN.COM
- ANTENNA INSTALLATION:**
THE GENERAL CONTRACTOR (VZW GC) INSTALLING THE PLATFORM SHALL ENSURE THAT THE PLATFORM IS ALIGNED BASED ON THE VERIZON RF PLAN. DURING THIS WORK, THE GENERAL CONTRACTOR SHALL BE LIMITED TO THE WORK WHICH CAN BE PERFORMED OUTSIDE THE VICINITY OF THE TOWER.
ACCESS DRIVEWAY:
THE GENERAL CONTRACTOR SHALL CONSTRUCT THE ACCESS DRIVE PER THE ALIGNMENT AS SHOWN ON THESE DRAWINGS. IF ANY AREA OF CONSTRUCTION REQUIRES ADDITIONAL FILL OF AGGREGATE STONE THAN SHOWN ON THE DRAWINGS, THE GENERAL CONTRACTOR SHALL NOTIFY THE ENGINEER FOR APPROVAL OF THE SIZE, TYPE AND QUANTITY OF STONE/FILL NECESSARY AND SHALL NOT BE USED UNTIL APPROVAL BY THE ENGINEER. THE GENERAL CONTRACTOR SHALL ALSO OBTAIN A DRIVE PERMIT FOR THE NEW ACCESS DRIVE.
- PREFABRICATED EQUIPMENT CANOPY AND GENERATOR:**
THIS VERIZON CONTRACTOR (VZW GC) SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS FOR THE PROPER LIFTING, TRANSPORTING AND ASSEMBLY OF THE PREFABRICATED EQUIPMENT CANOPY FROM THE TRANSPORT TRUCK BED TO THE FINAL POSITION ON THE CONCRETE FOUNDATION. THE GENERATOR SHALL BE LIFTED INTO PLACE BY USING TWO SPREADER BAR ASSEMBLIES. EACH SPREADER BAR SHALL BE A MINIMUM 3" WIDE (RATED TO CARRY 4 TONS). THE GENERATOR WEIGHT IS 3,000# WITH TANK PEDESTAL VERIZON CONTRACTOR (VZW GC) SHALL ANCHOR THE GENERATOR BASE TO THE CONCRETE SLAB USING ANCHOR BOLTS. EXTREME CAUTION SHALL BE TAKEN IN THE INSTALLATION OF THE CANOPY TO AVOID CONTACT WITH EXISTING OVERHEAD UTILITY LINES. THE VERIZON CONTRACTOR (VZW GC) IS RESPONSIBLE FOR A TRENCHING, SECURING OR ASSEMBLING ANY ACCESSORY OR LOOSE ITEMS THAT ARE SHIPPED WITH THE PREFABRICATED EQUIPMENT CANOPY AND GENERATOR AND SHALL INCLUDE THIS WORK IN THE CANOPY INSTALLATION PORTION OF THE BID.
- UTILITIES:**
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXCAVATION AND PROPER BACKFILLING OF TRENCHES AND SUPPLY CONDUIT REQUIRED FOR UNDERGROUND TELEPHONE & ELECTRICAL UTILITIES. ALL TRENCHING SHALL BE COMPACTED TO 95% MAXIMUM DRY DENSITY IN ACCORDANCE W/ASTM D-1557.
THE CONTRACTOR SHALL CONTACT THE TOWER OWNER, DARYL BARTLEY @ (606) 791-0310 PRIOR TO CONSTRUCTION FOR ACCESS AND COORDINATION OF POWER INSTALL.
THE CONTRACTOR SHALL CONTACT LOCAL COUNTY INSPECTOR, DOUGLAS HERREN @ (606) 273-6648 PRIOR TO CONSTRUCTION FOR A COPY OF THEIR SPECIFICATIONS AND INSPECTION REQUIREMENTS BEFORE CONSTRUCTION.
GC/EC TO INSTALL NEW 75 KVA POLE MOUNT TRANSFORMER PER NEC. GC/EC TO CONFIRM CUTOUIT FUSE (PRIMARY OCPD) IS SIZED CORRECTLY FOR ADDED LOAD. GC/EC TO INSTALL NEW 4/0 AL OH CONDUCTORS: (2) 4/0 PHASE, (1) 2/0 NEUTRAL.
GC/EC TO REPLACE THE MAIN BREAKER IN THE EXISTING DROP POLE MOUNTED LOAD CENTER WITH A NEW 150A MAIN BREAKER.
GC/EC TO INSTALL NEW 200A FUSIBLE SAFETY SWITCH (SECONDARY OCPD) SQUARE D (MODEL # D224NRB) AT EXISTING UTILITY DROP POLE. (1) 2.5" PVC SCH 80 RISER MAST W/ WEATHERHEAD AND (3) 3/0 CU THW-N-2 CONDUCTORS. ALL TERMINATION AT OH CONDUCTORS TO BE DONE BY GC/EC. A NEW LB TO BE INSTALLED INTO SIDE OF SAFETY SWITCH ENCLOSURE TO ENSURE CLEARANCE TO TRENCH AROUND UTILITY POLE.
THE CONTRACTOR SHALL RUN AN ELECTRICAL TRENCH WITH 4" CONDUIT AND DETECTABLE PULL TAPE FROM THE NEW RADIO EQUIPMENT PAD FROM EXISTING UTILITY DROP POLE. CONDUITS MUST HAVE A MINIMUM DEPTH OF 36".
GC/EC TO INSTALL HONEYWELL E-MON CLASS 1000 SUB METER (MODEL # E10-3208200KIT) IN A NEMA 4X RAIN TIGHT OUTDOOR ENCLOSURE (MODEL # E10-212025-RKIT) AT VERIZON EQUIPMENT H-FRAME. (1) 10A 2P BREAKER TO BE INSTALLED IN ILC TO SUPPLY E-MON LINE VOLTAGE. CURRENT TRANSFORMERS INSTALLED IN ILC ALL BY GC/EC PER NEC.
THE VERIZON GENERAL CONTRACTOR (VZW GC) SHALL BE RESPONSIBLE FOR THE ORDERING AND COORDINATING THE DELIVERY OF A FIBER OPTIC SERVICE LINE TO THE RADIO EQUIPMENT ENCLOSURE. COORDINATE WITH THE FIBER PROVIDER AND THE VERIZON FACILITY ENGINEER.
- A. THE CONTRACTOR SHALL RUN IN THE FIBER OPTIC TRENCH (1) "VERIZON ONLY" 4" PVC CONDUIT WITH PULL TAPE AND TRACER WIRE FROM THE NEW RADIO EQUIPMENT PAD TO THE NEW HANDHOLE OUTSIDE COMPOUND WITHIN EASEMENT, VERIZON GENERAL CONTRACTOR (VZW GC) WILL COORDINATE WITH FIBER PROVIDER (TBD BY VZW) TO VERIFY EXACT LOCATION OF CONDUIT AND HANDHOLE BEFORE CONSTRUCTION STARTS. (VZW GC) WILL THEN COORDINATE WITH THE CONTRACTOR FOR THIS INSTALLATION. THE FIBER PROVIDER WILL PROVIDE SERVICE TO THE TELCO RACK IN VERIZON EQUIPMENT CABINET.
- B. THE CONTRACTOR SHALL RUN IN THE FIBER OPTIC TRENCH (1) "VERIZON ONLY" 4" PVC CONDUIT WITH PULL TAPE FROM THE NEW HANDHOLE LOCATED OUTSIDE COMPOUND TO THE FUTURE FIBER PEDESTAL LOCATION AND STUB-UP. THE CONTRACTOR SHALL RUN 4" PVC CONDUIT WITH PULL TAPE FROM "VERIZON ONLY" HANDHOLE OUTSIDE COMPOUND TO NEW HANDHOLE AT UTILITY DROP POLE. THE CONTRACTOR SHALL COORDINATE WITH THE VERIZON CONSTRUCTION MANAGER AND THE FIBER SERVICE PROVIDER ON THE FUTURE FIBER PEDESTAL LOCATION. THE CONTRACTOR SHALL PROPERLY BACKFILL THE TRENCHES AFTER SETTLEMENT. CONTACT FIBER PROVIDER (TBD BY VERIZON WIRELESS) FOR APPOINTMENT TO VISIT THE SITE, FOUR TO SIX WEEKS PRIOR TO CONSTRUCTION FOR NEW SERVICE.

FIBER OPTIC SERVICE PROVIDED BY: _____
FIBER PROVIDER TO BE DETERMINED BY VERIZON

- SITE GRADING:**
A. UNIFORMLY GRADE AREA TO BE SMOOTH SURFACE FREE FROM IRREGULAR SURFACE CHANGES COMPLETELY WITH COMPACTION REQUIREMENTS AND GRADE TO CROSS SECTION, TOPO LINES AND ELEVATIONS INDICATED.
 - COMPOUND SURFACE GRADES ARE TO BE SLOPED TO DIRECT WATER AWAY FROM EQUIPMENT PAD AND TOWER TO PREVENT STANDING AND PONDING WATER.
 - COMPOUND SURFACE SHALL BE COMPACTED TO A 95% MAXIMUM DRY DENSITY TO ALLOW PROPER STERILIZATION FOR ACCESS TO ALL CUSTOMERS DENSITY TESTING MAY BE REQUIRED AT VERIZON SUB-GRADE.
 - DITCHES/SWALES AROUND THE COMPOUND AREA AND ALONG ACCESS ROAD SHALL BE CONSTRUCTED SO TO PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING GRADES/SLOPE AND NEW PROPOSED GRADES.
 - SITE GRADING AND DRAINAGE SHOULD BE CONSTRUCTED TO PREVENT WATER FROM ENTERING THE COMPOUND SURFACE OR THE ACCESS ROAD SUB-GRADE.
- MOISTURE CONTROL** - UNIFORMLY MOISTEN OR AERATE SUB-GRADE AND EACH SUBSEQUENT FILL OR BACK FILL LAYER BEFORE COMPACTION TO WITHIN 90% OF OPTIMUM MOISTURE CONTENT. DO NOT PLACE BACK FILL OR FILL MATERIAL ON SURFACES THAT ARE MUDDY, FROZEN OR CONTAIN FROST, SNOW OR ICE.
- STOCKPILING MATERIAL (TOP SOIL OR FILL DIRT)** - SHOULD BE PLACED IN AN AREA THAT CAN BE CONTROLLED TO PREVENT WATER, SNOW, OR ICE FROM EFFECTING MOISTURE CONTENT. STOCKPILES MAY HAVE TO BE COVERED TO PREVENT ADDITIONAL MOISTURE FROM ACCUMULATING SO ACCEPTABLE FILL CAN BE USED.
- DE-WATERING** - PREVENT SURFACE WATER AND SUBSURFACE OR GROUND WATER FROM ENTERING EXCAVATIONS, FROM PONDING ON PREPARED SUB-GRADE, AND FROM FLOODING PROJECT OR BUILD AREA.
- EROSION CONTROL** - MEASURES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.
 - ALL INLETS, DRAINS, PIPES, SWELLS, AND ROADS SHALL BE KEPT CLEAN AND FREE OF DIRT AND SILT.
- GEOTEXTILE FABRIC** - AFTER PLACEMENT AND COMPACTION OF FILL WITHIN THE WORK AREA AND BEFORE THE PLACEMENT OF LIMESTONE AGGREGATE. (SEE SITE AREA SURFACING DETAIL ON D-1), THE ENTIRE DISTURBED WORK AREA SHALL BE COVERED WITH A GEOTEXTILE FABRIC. THIS FABRIC SHALL BE "TENCATE (MIRAFI 500X) WOVEN ENGINEERING FABRIC" INSTALLED ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS.
- TRASH REMOVAL & SANITATION:**
THE GENERAL CONTRACTOR AND VERIZON GENERAL CONTRACTOR (VZW GC) SHALL REMOVE ALL TRASH AS CREATED BY HIMSELF AND HIS SUBCONTRACTORS. TRASH SHALL BE REMOVED FROM THE SITE IN A TIMELY FASHION TO A LEGAL DISPOSAL AREA. THE GENERAL CONTRACTOR SHALL ALSO REMOVE ALL TRASH CREATED BY OTHER CONTRACTORS INCLUDING CABLE REELS, CARDBOARD BOXES AND PACKING. NO BURNING OR BURYING OF TRASH IS PERMITTED.
THE GENERAL CONTRACTOR SHALL PROVIDE AND MAINTAIN A PORTABLE TOILET FOR THE DURATION OF THE CONSTRUCTION PROJECT.
- TOWER:**
A. THE GENERAL CONTRACTOR SHALL VERIFY THE EQUIPMENT PAD FOUNDATION IS LOCATED CORRECTLY WITH RESPECT TO THE TOWER FOUNDATION. THE CONTRACTOR MUST NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO POURING CONCRETE.
B. TOWER & FOUNDATION DESIGN ARE BY OTHERS FOR TOWER OWNER. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL VERIFY IN WRITING FROM TOWER OWNER THAT THE TOWER IS STRUCTURALLY SUFFICIENT TO SUPPORT ALL LOADINGS AS OUTLINED IN THESE DOCUMENTS. TOWER AND FOUNDATION DESIGN SHALL BE PERFORMED BY A LICENSED ENGINEER.
C. THE GENERAL CONTRACTOR SHALL VERIFY THE TOP OF FOUNDATION MATCHES THE FAA APPROVAL LETTER.
- EXCAVATION OF UTILITIES:**
A. FIELD VERIFY THE LOCATION OF ANY EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATING IN THE VICINITY OF THE SITE. ALL EXCAVATIONS SHALL BE MADE BY HAND OVER OR UNDER OR IMMEDIATELY ADJACENT TO ANY EXISTING UTILITIES & GROUNDING.
B. ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION ON THIS PROJECT. CONTACT UNDERGROUND UTILITY PROTECTION SERVICE BEFORE YOU DIG AT 1-800-752-6007 (KY) OR 811.
C. EXISTING UTILITIES ARE SHOWN FROM THE SURVEY AND ARE NOT NECESSARILY COMPLETE AND ACCURATE. THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE, EXPOSE AND DETERMINE IF CONFLICTS EXIST WITH THE NEW IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER. POWER OF DESIGN GROUP, LLC IN ORDER TO RESOLVE ANY CONFLICTS.
- CONTRACTOR'S LICENSE:**
THE GENERAL CONTRACTOR, VERIZON GENERAL CONTRACTOR (VZW GC) AND ALL OF THEIR SUBCONTRACTORS THAT DO ANY WORK ON THIS PROJECT SHALL BE CURRENTLY LICENSED TO PERFORM WORK IN THE LOCATION OF THIS SITE. PROOF OF LICENSES SHALL BE SUPPLIED TO VERIZON PRIOR TO THE COMMENCEMENT OF ANY WORK.
- SEEDING:**
ALL DISTURBED AREAS SHALL BE REPAIRED AND SEED BY THE GENERAL CONTRACTOR, UNLESS OTHERWISE NOTED. SEED DISTURBED AREAS W/4 POUNDS/1000 SQ. FT. - 60% KENTUCKY BLUEGRASS, 18% CREEPING RED FESCUE, 22% ANNUAL RYEGRASS.
- TRAFFIC CONTROL:**
THE CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN ALL REQUIRED TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES OR GOVERNING LOCAL AGENCIES.

- CONSTRUCTION STAKING:**
THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING NEEDED TO COMPLETE ALL THE CONSTRUCTION SHOWN HEREON. CONTACT DESIGN ENGINEER TO SCHEDULE CONSTRUCTION STAKING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING PROPERTY RESULTING FROM THE CONSTRUCTION ACTIVITIES, INCLUDING BUT NOT LIMITED TO PAVEMENT, FINISHED GRADES, LANDSCAPING, BUILDINGS, SURVEY MARKERS, FIELD TILES, CULVERTS, ETC.
- IN THE EVENT ANY DISCREPANCIES OR ERRORS ARE FOUND ON THESE PLANS OR ANY CONFLICT OR PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, THE GENERAL CONTRACTOR OR VERIZON GENERAL CONTRACTOR (VZW GC) SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING WITH THE WORK. NO ADDITIONAL COMPENSATION WILL BE PAID TO THE GENERAL CONTRACTOR OR VERIZON GENERAL CONTRACTOR (VZW GC) FOR WORK HAVING TO BE REDONE FOR GRADE OR GEOMETRIC DISCREPANCIES IF NOTICE TO THE ENGINEER HAS NOT BEEN PROVIDED. THE ENGINEER RESERVES THE RIGHT TO MAKE MINOR ADJUSTMENTS AS NECESSARY TO ACCOMPLISH THE INTENT OF THESE PLANS.
- ALL SITE WORK AND CONSTRUCTION SHALL CONFORM TO ANY AND ALL APPLICABLE CODES AND VERIZON STANDARDS AND SPECIFICATIONS.
- ALL ELEVATIONS AND TOPOGRAPHIC INFORMATION WAS TAKEN FROM A SURVEY SUPPLIED TO POWER OF DESIGN GROUP, LLC BY POWER OF DESIGN GROUP, LLC. POWER OF DESIGN GROUP, LLC HAS NOT VERIFIED THIS INFORMATION AND DOES NOT WARRANT ANY INFORMATION SUPPLIED BY OTHERS.
- THE GENERAL CONTRACTOR SHALL MAINTAIN A COMPLETE AS-BUILT SET OF PLANS AND CONDITIONS, AND SUBMIT SAME TO THE ENGINEER WITHIN 7 DAYS OF COMPLETION OF CONSTRUCTION. AS-BUILT PLANS SUBMITTED TO THE ENGINEER SHALL INCLUDE A DRAWING WITH DIMENSIONS SHOWING THE LOCATION OF THE UNDERGROUND UTILITIES, GROUNDING GRID, PLATFORM, TOWER FOUNDATION, TOWER PLATFORM ORIENTATION, AND FENCE WITHIN THE LEASE AREA OR PROPERTY AND BE CERTIFIED BY A LICENSED PROFESSIONAL SURVEYOR.
- THE GENERAL CONTRACTOR AND VERIZON GENERAL CONTRACTOR (VZW GC) SHALL BE RESPONSIBLE FOR NOTIFICATION OF ALL GOVERNING AGENCIES THAT REQUIRE SITE INSPECTION OF THE WORK AND/OR SIMPLY NOTIFICATION.
- THE GENERAL CONTRACTOR AND VERIZON GENERAL CONTRACTOR (VZW GC) SHALL BE RESPONSIBLE FOR NOTIFICATION AND COORDINATION OF ALL TESTING AGENCIES THAT REQUIRE SITE INSPECTION OR TESTING OF THE WORK AS DIRECTED IN THESE PLANS, GOVERNING AGENCIES AND ALL APPLICABLE CODES.
- PRIOR TO THE SUBMISSION OF BIDS, THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS SHALL VERIFY ALL DETAILS AND SCHEDULES ON THE DRAWINGS AND SPECIFICATIONS PROVIDED BY THE OWNER, FOR MEANING OF ABBREVIATIONS AND ADDITIONAL REQUIREMENTS AND INFORMATION. CHECK ALL CONSTRUCTION DOCUMENTS TO INCLUDE, BUT NOT LIMITED TO, GEOTECHNICAL REPORT, STRUCTURAL ANALYSIS, TOWER, MECHANICAL AND ELECTRICAL DRAWINGS, FOR SCALE, SPACE LIMITATIONS, DOOR SWINGS, ADJACENT CARRIER EQUIPMENT COORDINATION AND ADDITIONAL INFORMATION, ETC. REPORT ANY DISCREPANCIES, CONFLICTS, ETC. TO THE OWNER BEFORE SUBMITTING BIDS.
- WORK SITE SAFETY:**
A. CONSTRUCTION WORK PRESENTS UNIQUE THREATS TO HEALTH AND SAFETY. THE CONTRACTOR AND VERIZON CONTRACTOR (VZW GC) ARE RESPONSIBLE TO EDUCATE THEIR WORK FORCE OF THESE DANGERS AND LIMIT THEIR EXPOSURE TO HAZARDS. THIS EDUCATION SHALL INCLUDE BUT NOT BE LIMITED TO APPLICABLE TRAINING COURSES AND CERTIFICATIONS, PROPER PERSONAL PROTECTIVE EQUIPMENT USAGE, DAILY TAILGATE MEETINGS AND ANY OTHER PREVENTATIVE MEASURES WHICH MAY BE REASONABLY EXPECTED. THE CONTRACTOR, VERIZON CONTRACTOR (VZW GC) AND ALL SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, ADJACENT AREAS AND ANY PROPERTY OCCUPANTS WHO MAY BE AFFECTED BY THE WORK UNDER CONTRACT. ALL CONTRACTORS SHALL REVIEW ALL LANDOWNER, PRIME CONTRACTOR, CARRIER, OSHA, AND LOCAL SAFETY GUIDELINES AND AT ALL TIMES SHALL CONFORM TO THE MOST RESTRICTIVE OF THESE STANDARDS TO ENSURE A SAFE WORKPLACE.
B. TOWER WORK PRESENTS ADDITIONAL THREATS TO HEALTH AND SAFETY. ALL TOWER WORKERS WORKING ON A TOWER MUST BE ADEQUATELY TRAINED AND MONITORED TO ENSURE THAT SAFE WORK PRACTICES ARE LEARNED AND FOLLOWED. AS REQUIRED BY OSHA, WHEN WORKING ON EXISTING COMMUNICATION TOWERS, EMPLOYEES MUST BE PROVIDED WITH APPROPRIATE FALL PROTECTION, TRAINED TO USE THIS FALL PROTECTION PROPERLY, AND THE USE OF FALL PROTECTION MUST BE CONSISTENTLY SUPERVISED AND ENFORCED BY THE CONTRACTOR.
C. ALL SAFETY EQUIPMENT SHALL BE INSPECTED ACCORDING TO ALL OSHA AND INDUSTRY SCHEDULED INTERVALS AND ALL INSPECTIONS SHALL BE DOCUMENTED PER APPLICABLE CODES AND STANDARDS.

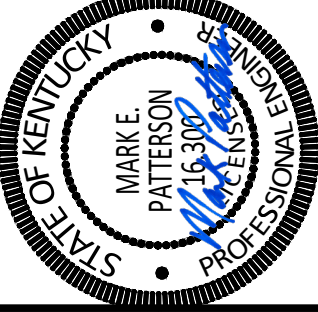


11490 BLUEGRASS PARKWAY
LOUISVILLE, KY 40299
502-437-5252

CELLCO PARTNERSHIP
D/B/A



03/21/2023



EN PERMIT: 3594

CONSTRUCTION DRAWINGS

REV.	DATE	DESCRIPTION
A	3-9-23	ISSUED FOR REVIEW
0	3-21-23	ISSUED AS FINAL

SITE INFORMATION:

LV GRAYS KNOB

114 BLANTON DR
HARLAN, KY 40831
HARLAN COUNTY

APPALACHIAN WIRELESS SITE NAME:
DRESSEN

POD NUMBER: 22-130589
DRAWN BY: POD
CHECKED BY: MEP
DATE: 10.14.22

SHEET TITLE:

GENERAL SITE CONSTRUCTION NOTES

SHEET NUMBER:

C-6



Know what's below.
Call before you dig.
Call 1-800-752-6007

PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW TO OBTAIN LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.



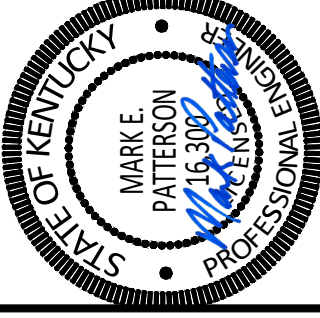
11490 BLUEGRASS PARKWAY
LOUISVILLE, KY 40299
502-437-5252

CELLCO PARTNERSHIP

D/B/A



03/21/2023



EN PERMIT: 3594

CONSTRUCTION DRAWINGS

REV.	DATE	DESCRIPTION
A	3-9-23	ISSUED FOR REVIEW
0	3-21-23	ISSUED AS FINAL

SITE INFORMATION:

LV GRAYS KNOB

114 BLANTON DR
HARLAN, KY 40831
HARLAN COUNTY

APPALACHIAN WIRELESS SITE NAME:

DRESSEN

POD NUMBER: 22-130589

DRAWN BY: MOP

CHECKED BY: MEP

DATE: 10.14.22

SHEET TITLE:

EQUIPMENT PAD & CANOPY ELEVATIONS

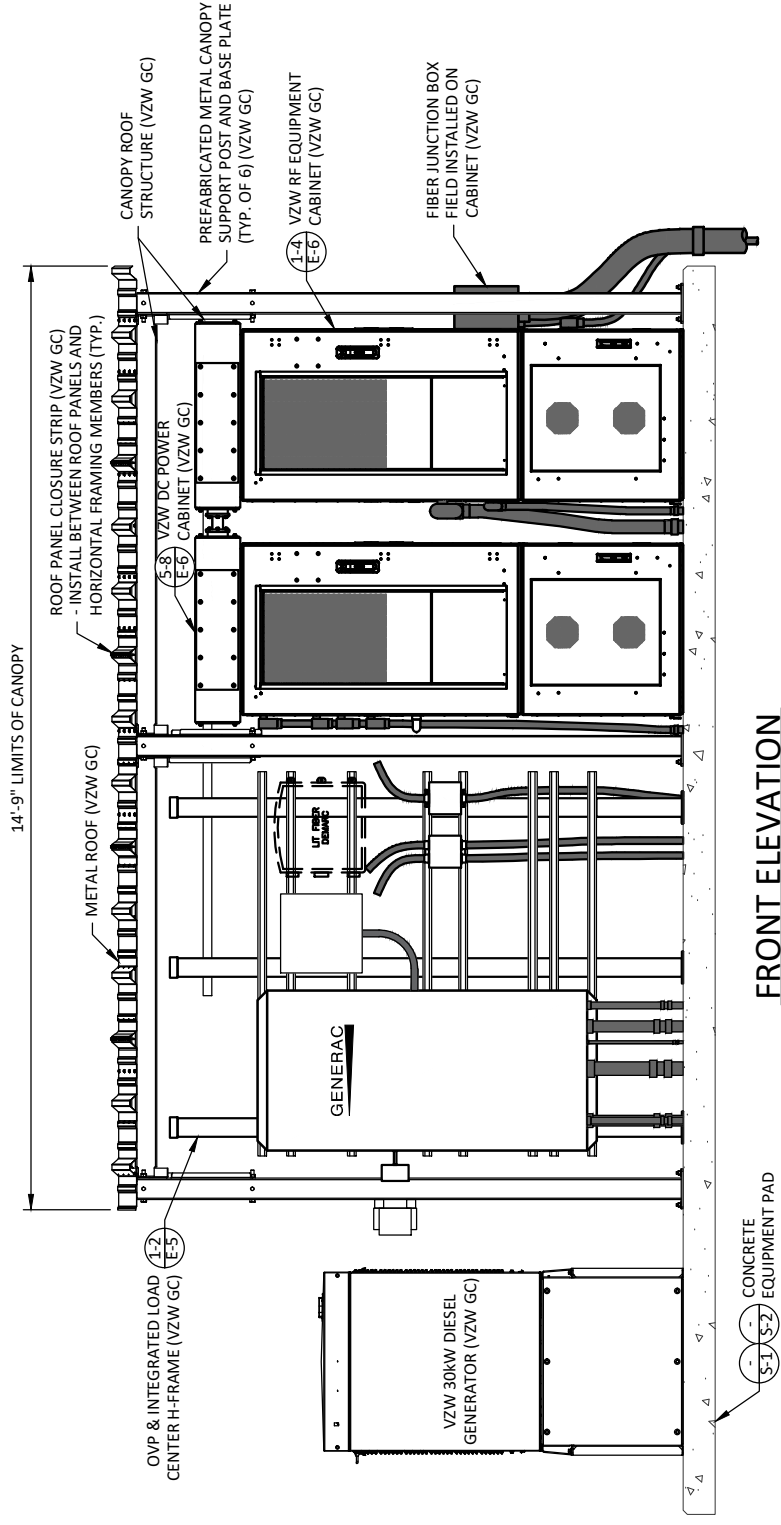
REFERENCE ONLY

SHEET NUMBER:

D-3

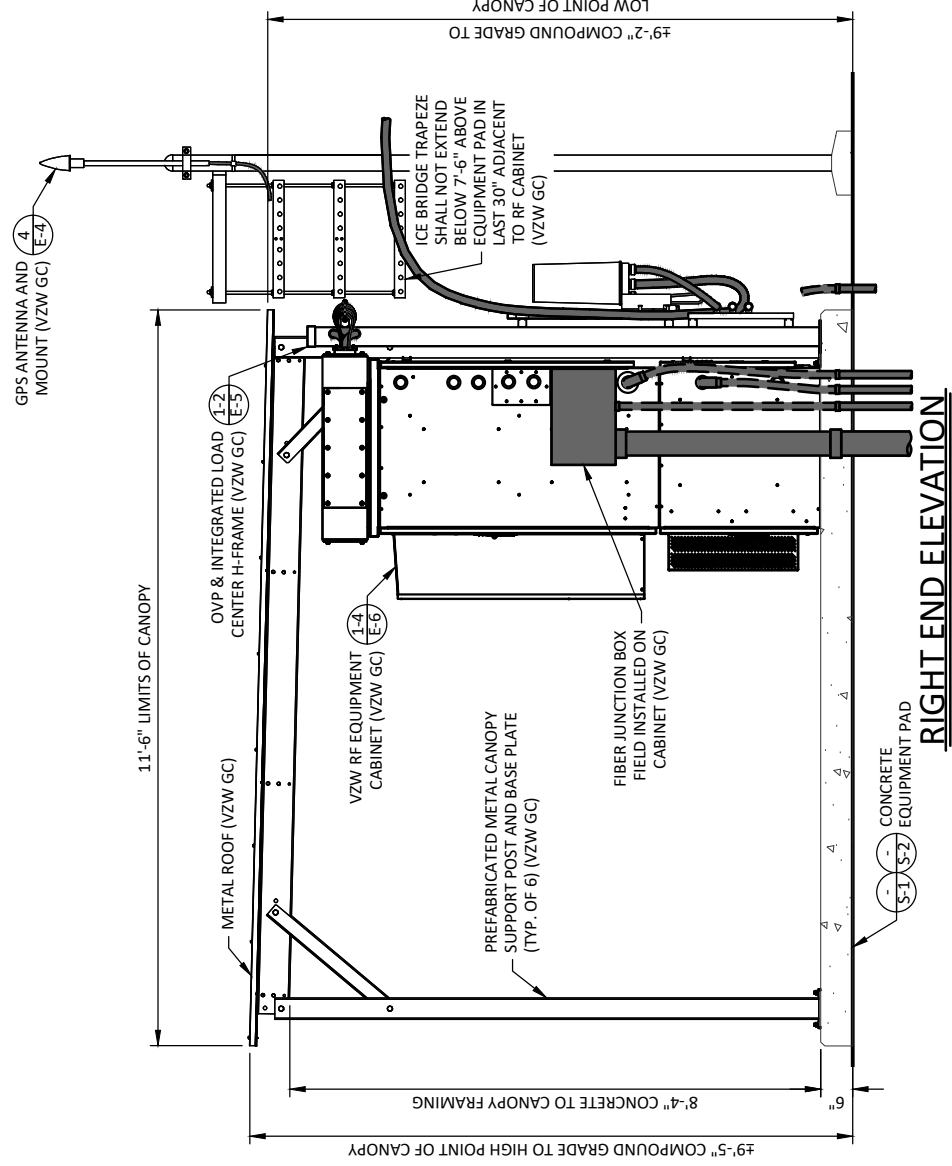
NOTE:

CANOPY ROOF PANELS PROFILE R/PBR. PROVIDE 1.7lb DENSITY POLYETHYLENE FOAM PANEL CLOSURE STRIPS TO MATCH PROFILE. AS MANUFACTURED BY: SEALTITE BUILDING FASTENERS "ST CLOSURE" STRIPS OR EQUAL (VERIFY PROFILE WITH ROOF PANELS SUPPLIED WITH CANOPY)



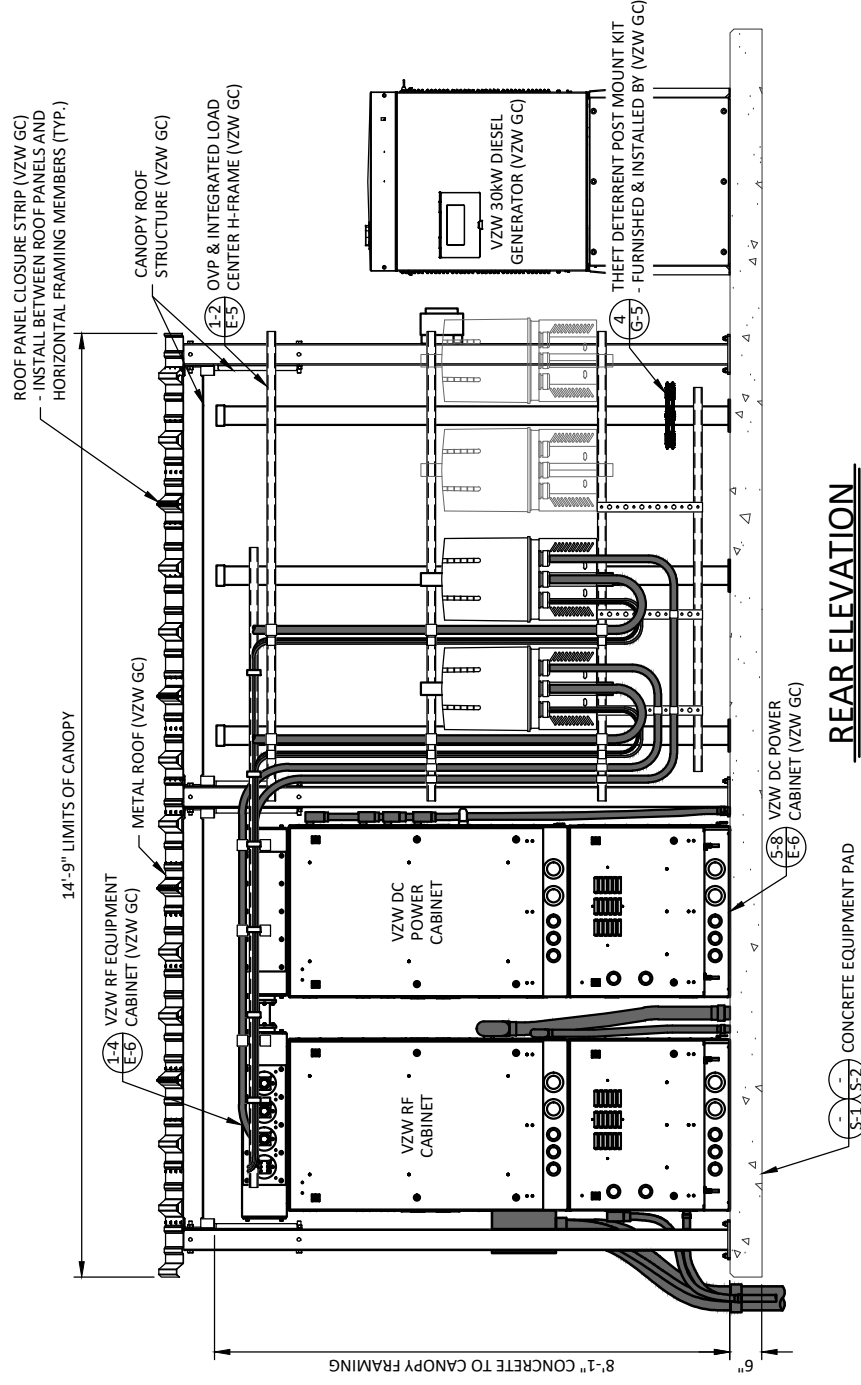
FRONT ELEVATION

SCALE: 1" = 3'



RIGHT END ELEVATION

SCALE: 1" = 3'



REAR ELEVATION

SCALE: 1" = 3'

STRUCTURAL NOTES

- CANOPY SYSTEM DESIGN LOADINGS:
 ROOF SNOW LOAD 70 PSF
 DEAD LOADS 120 PSF
 BASIC WIND SPEED 120 MPH
 DESIGN CODES INTERNATIONAL BUILDING CODE (IBC) 2012 MINIMUM
 DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
 ASCE7-10 OSHA REGULATIONS

- STRUCTURAL STEEL:
 PIPE - ASTM A53 TYPE E OR S GRADE B, OR ASTM A501.
 STRUCTURE FINISH - AFTER FABRICATION ACCORDING TO ASTM A123.

- BUILDING FOUNDATION SYSTEM:
 THE SUBSURFACE REPORT WAS PROVIDED BY WENDELL R. HOLMES, PG.
 DATED JUNE 6, 2008.

ALLOWABLE BEARING CAPACITY BLDG. FOOTINGS * PSF
 *LOAD-BEARING STRENGTH TESTS WERE NOT PERFORMED ON THE BEDROCK

ALL CONTRACTORS SHALL EXERCISE GREAT CARE DURING EXCAVATION. ALL CONTRACTORS SHALL PREDETERMINE UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY IF DEVIATION FROM PLANS EXIST.

THE SUBSURFACE REPORT IS NOT TO BE CONSIDERED AS A COMPLETE RECORD OF THE EXISTING CONDITIONS AT THE SITE. THE CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS, INCLUDING SUBSURFACE CONDITIONS. THE CONTRACTOR SHALL OBTAIN PERMISSION FROM THE OWNER PRIOR TO SITE ENTRY FOR THE PURPOSE OF CONDUCTING SOIL TESTING AND VERIFICATION OF EXISTING CONDITIONS.

FOUNDATION SUBGRADES SHALL BE HAND TRIMMED AND COMPACTED. ALL BACKFILL TO BE FOUNDATION TO 95% MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-1557.

- CONCRETE WORK:
 CONCRETE CYLINDERS SHALL BE TAKEN AND TESTED BY A QUALIFIED CONCRETE TESTING COMPANY. THE GENERAL CONTRACTOR SHALL PROVIDE ONE (1) CYLINDER SAMPLE TAKEN PER TRUCK OR FOUR (4) TOTAL FOR BUILDING FOUNDATION AND THE CONCRETE MUST MEET A 4" SLUMP. THE GENERAL CONTRACTOR SHALL PROVIDE THREE (3) COPIES OF TESTING RESULTS TO VERIZON AND TOWER OWNER. CONSTRUCTION MANAGERS, FAILURE TO PROVIDE WRITTEN DOCUMENTATION WILL RESULT IN A DEDUCTION FROM THE CONTRACT. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY ADDITIONAL COSTS IN TESTING DUE TO DELAYS BY THE GENERAL CONTRACTOR OR HIS SUBCONTRACTORS. USE AIR ENTRAINMENT IN EXTERIOR SLABS.

SPECIFICATION - LATEST EDITION OF ACI-318 - BLDG. FOUNDATION
 AS ADOPTED BY THE STATE OF KENTUCKY F_c=4000 PSI @ 28 DAYS

MATERIALS - 2" - 4" SLUMP - ASTM A615, GRADE 60
 -REINFORCING - ANCHOR BOLTS - ASTM F1554 A36

REINFORCING COVERS - FOOTINGS - 2"
 TOP
 BOTTOM/SIDES - 3"

REINFORCING EMBEDMENT AND LAP SLICES (INCHES) FOR 4000 PSI CONCRETE

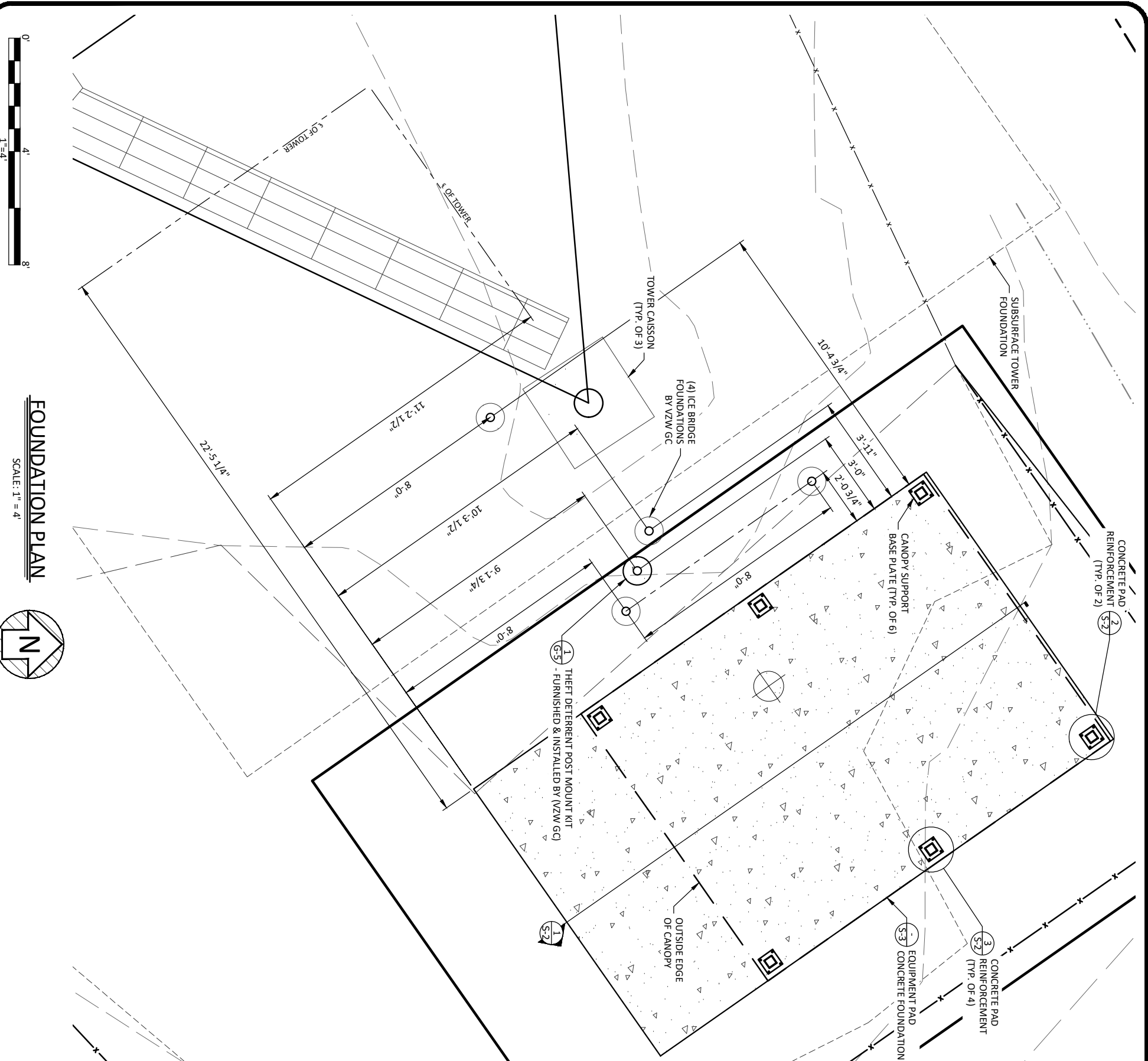
BAR SIZE	ANCHORAGE	SPLICE (OTHER)	ANCHORAGE (TOP)	SPLICE (TOP)
#4	12	25"	25"	33"

CHAMFER TOP CORNERS OF ALL FOUNDATIONS (3/4")

- BURIED CABLE LOCATIONS INFORMATION:
 CONTRACT 48 HR. PRIOR TO DIGGING, GRADING, OR DRILLING 1-800-752-6007 OR 811

ADDITIONAL CONCRETE NOTES:

- ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 96, "STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE" AND ACI 305, 306 AND 307 UNLESS NOTED OTHERWISE.
- ALL DETAILING, FABRICATION AND PLACING OF CONCRETE SHALL CONFORM TO ACI 318-11.
- ALL CONCRETE EXPOSED TO WEATHER SHALL CONTAIN 6% (±1%) AIR ENTRAINMENT.
- PROVIDE CORNER BARS AT ALL LOCATIONS WHERE REINFORCEMENT CHANGES DIRECTION.



FOUNDATION PLAN

SCALE: 1" = 4'



CELLCO PARTNERSHIP
 D/B/A

03/21/2023

EN PERMIT: 3594
CONSTRUCTION DRAWINGS

REV.	DATE	DESCRIPTION
A	3.9.23	ISSUED FOR REVIEW
0	3.21.23	ISSUED AS FINAL

SITE INFORMATION:
LV GRAYS KNOB
 114 BLANTON DR
 HARLAN, KY 40831
 HARLAN COUNTY

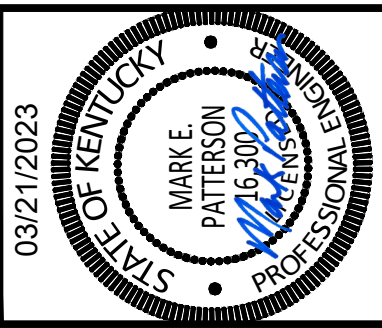
APPALACHIAN WIRELESS SITE NAME:
DRESSEN
 POD NUMBER: 22-130589
 DRAWN BY: POD
 CHECKED BY: MEP
 DATE: 10.14.22

SHEET TITLE:
FOUNDATION PLAN AND STRUCTURAL NOTES

SHEET NUMBER:
S-1



Call Monday thru Friday - 7 am. to 6 pm.
 1-800-752-6007
 PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATIONS. NOTIFY 811 BEFORE ANY COMMENCING WORK.



EN PERMIT: 3594

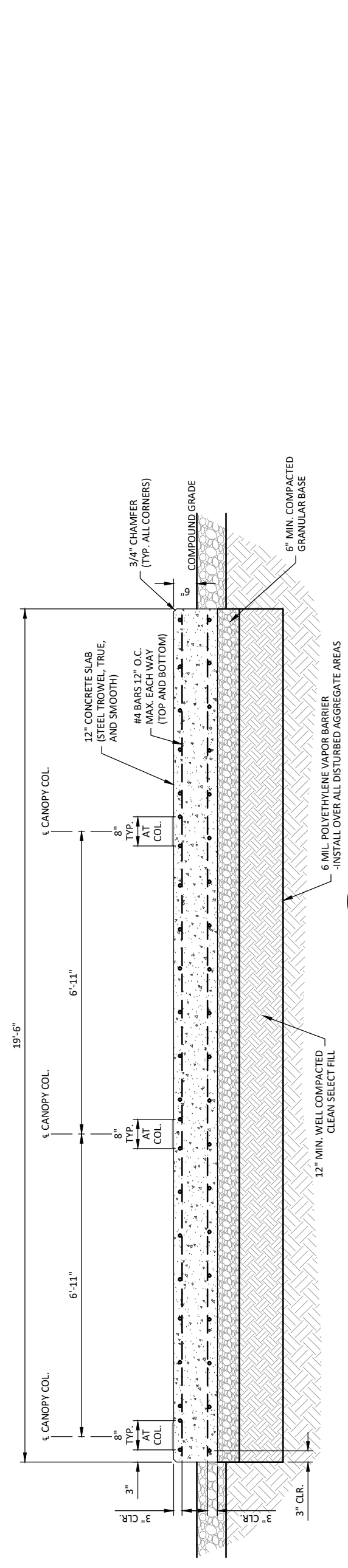
REV.	DATE	DESCRIPTION
A	3.9.23	ISSUED FOR REVIEW
0	3.21.23	ISSUED AS FINAL

SITE INFORMATION:
LV GRAYS KNOB
114 BLANTON DR
HARLAN, KY 40831
HARLAN COUNTY

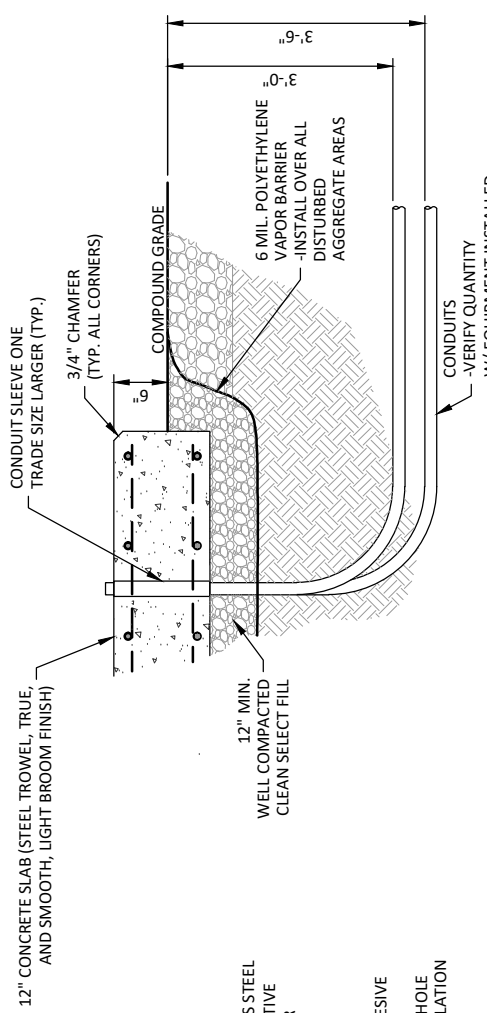
APPALACHIAN WIRELESS SITE NAME:
DRESSEN
POD NUMBER: 22-130589
DRAWN BY: POD
CHECKED BY: MEP
DATE: 10.14.22

SHEET TITLE:
FOUNDATION DETAILS

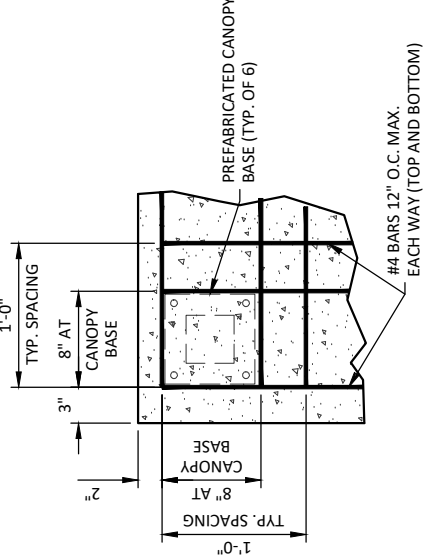
SHEET NUMBER:
S-2



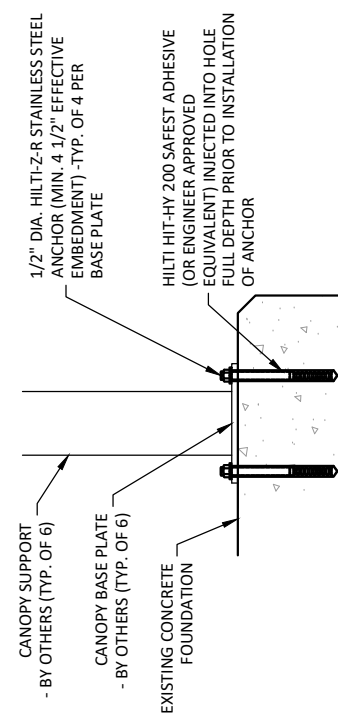
1
CONCRETE PAD SECTION
SCALE: N.T.S.



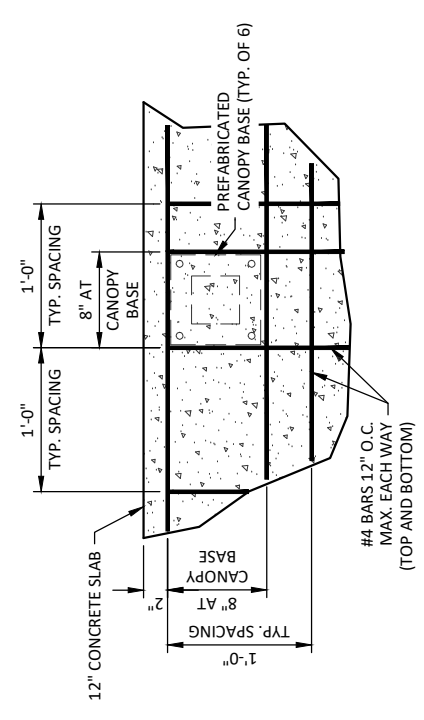
5
CONDUIT PENETRATION DETAIL
SCALE: N.T.S.



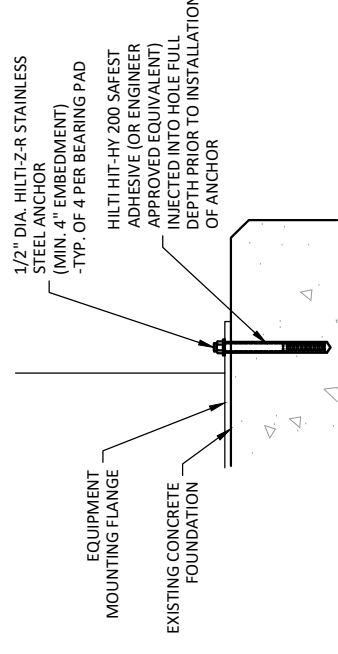
2
CORNER PAD REINFORCEMENT DETAIL
SCALE: N.T.S. (TYP. OF 2)



4
CANOPY BASE PLATE ANCHOR DETAIL
SCALE: N.T.S. (VZW GC)



3
INTERMEDIATE PAD REINFORCEMENT DETAIL
SCALE: N.T.S. (TYP. OF 4)



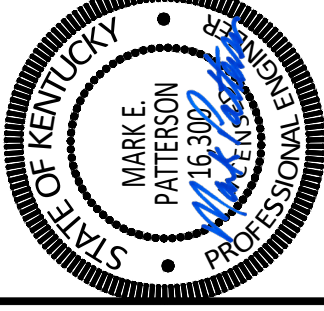
6
EQUIPMENT ANCHOR DETAIL
SCALE: N.T.S.



CELLCO PARTNERSHIP
D/B/A



03/21/2023



EN PERMIT: 3594

CONSTRUCTION DRAWINGS

REV.	DATE	DESCRIPTION
A	3-9-23	ISSUED FOR REVIEW
0	3-21-23	ISSUED AS FINAL

SITE INFORMATION:

LV GRAYS KNOB

114 BLANTON DR
HARLAN, KY 40831
HARLAN COUNTY

APPALACHIAN WIRELESS SITE NAME:
DRESSEN

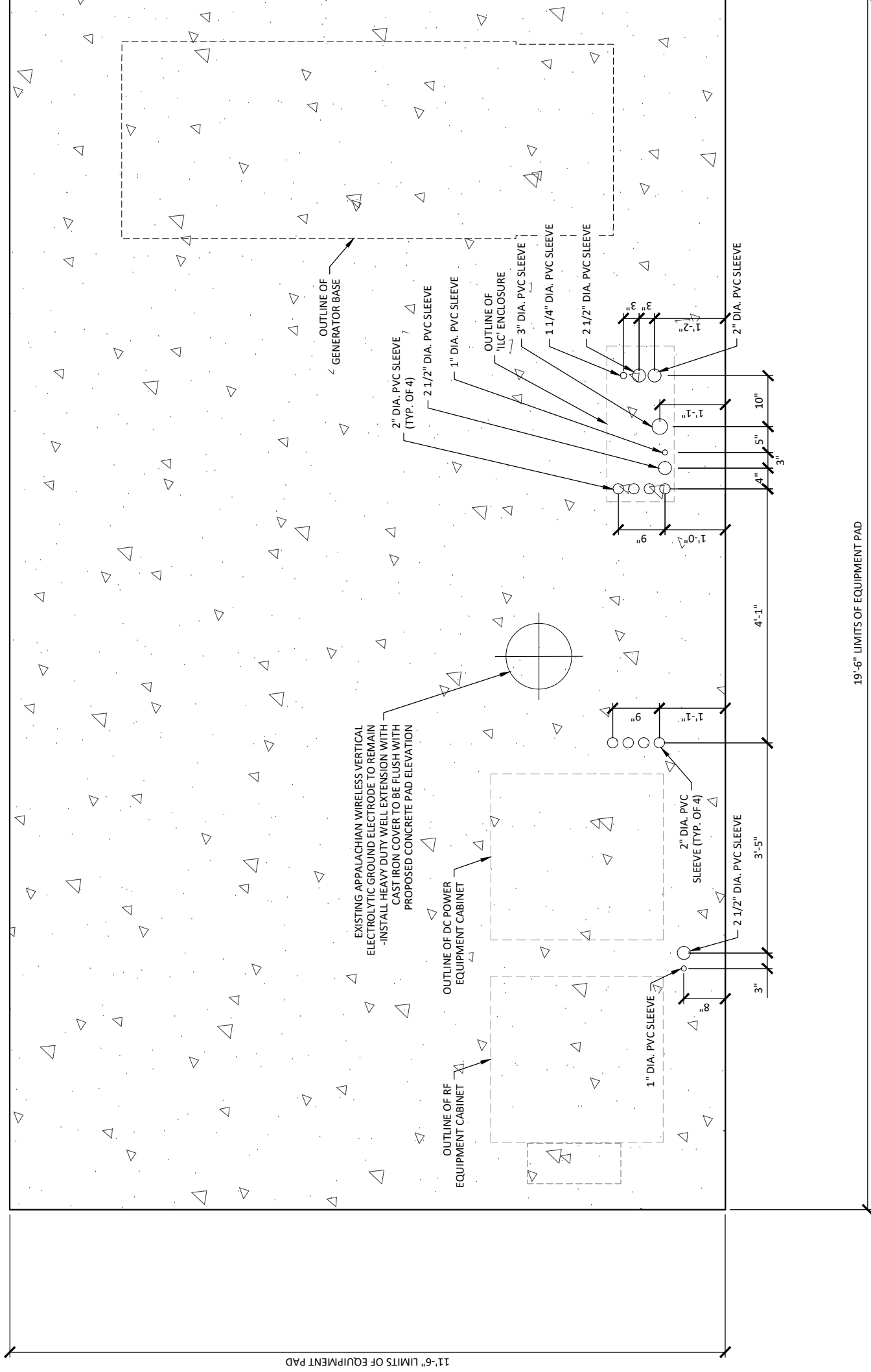
POD NUMBER: 22-130589
DRAWN BY: POD
CHECKED BY: MEP
DATE: 10.14.22

SHEET TITLE:

FOUNDATION CONDUIT PENETRATION PLAN

SHEET NUMBER:

S-3



CONDUIT PENETRATION PLAN

SCALE: 1" = 2'

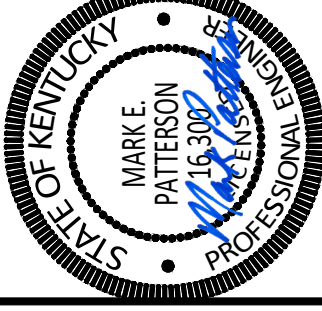


CELLCO PARTNERSHIP

D/B/A



03/21/2023



EN PERMIT: 3594

CONSTRUCTION DRAWINGS

REV.	DATE	DESCRIPTION
A	3-9-23	ISSUED FOR REVIEW
0	3-21-23	ISSUED AS FINAL

SITE INFORMATION:

LV GRAYS KNOB

114 BLANTON DR
HARLAN, KY 40831
HARLAN COUNTY

APPALACHIAN WIRELESS SITE NAME:

DRESSEN

POD NUMBER: 22-130589

DRAWN BY: POD

CHECKED BY: MEP

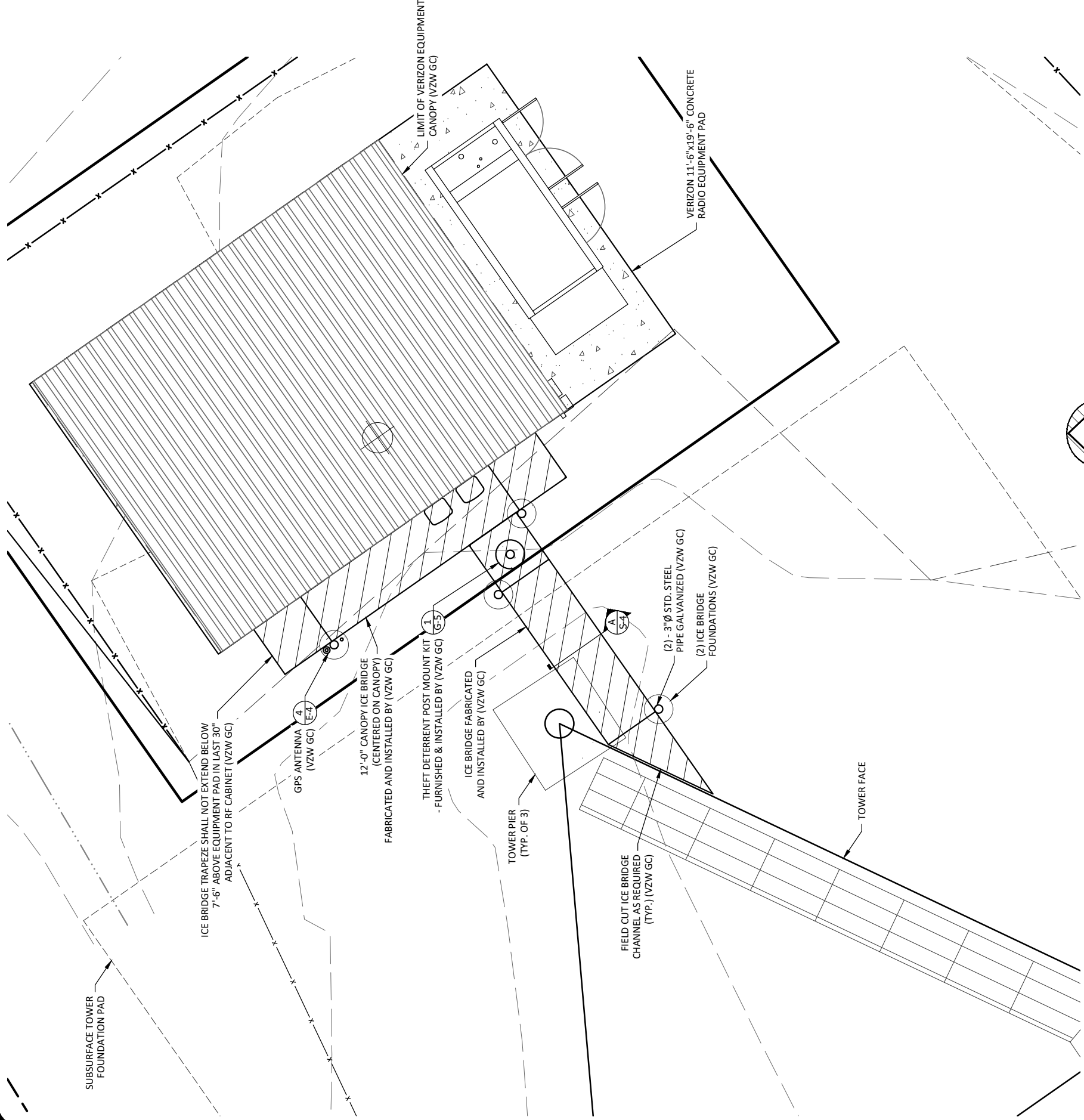
DATE: 10.14.22

SHEET TITLE:

ICE BRIDGE DETAILS

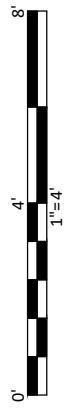
SHEET NUMBER:

S-4



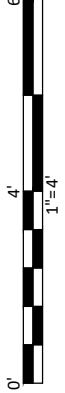
ICE BRIDGE SECTION A

SCALE: 1" = 4'



ICE BRIDGE PLAN

SCALE: 1" = 4'





CELLCO PARTNERSHIP
D/B/A



03/21/2023



EN PERMIT: 3594

CONSTRUCTION DRAWINGS

REV.	DATE	DESCRIPTION
A	3.9.23	ISSUED FOR REVIEW
0	3.21.23	ISSUED AS FINAL

SITE INFORMATION:

LV GRAYS KNOB

114 BLANTON DR
HARLAN, KY 40831
HARLAN COUNTY

APPALACHIAN WIRELESS SITE NAME:
DRESSEN

POD NUMBER: 22-130589

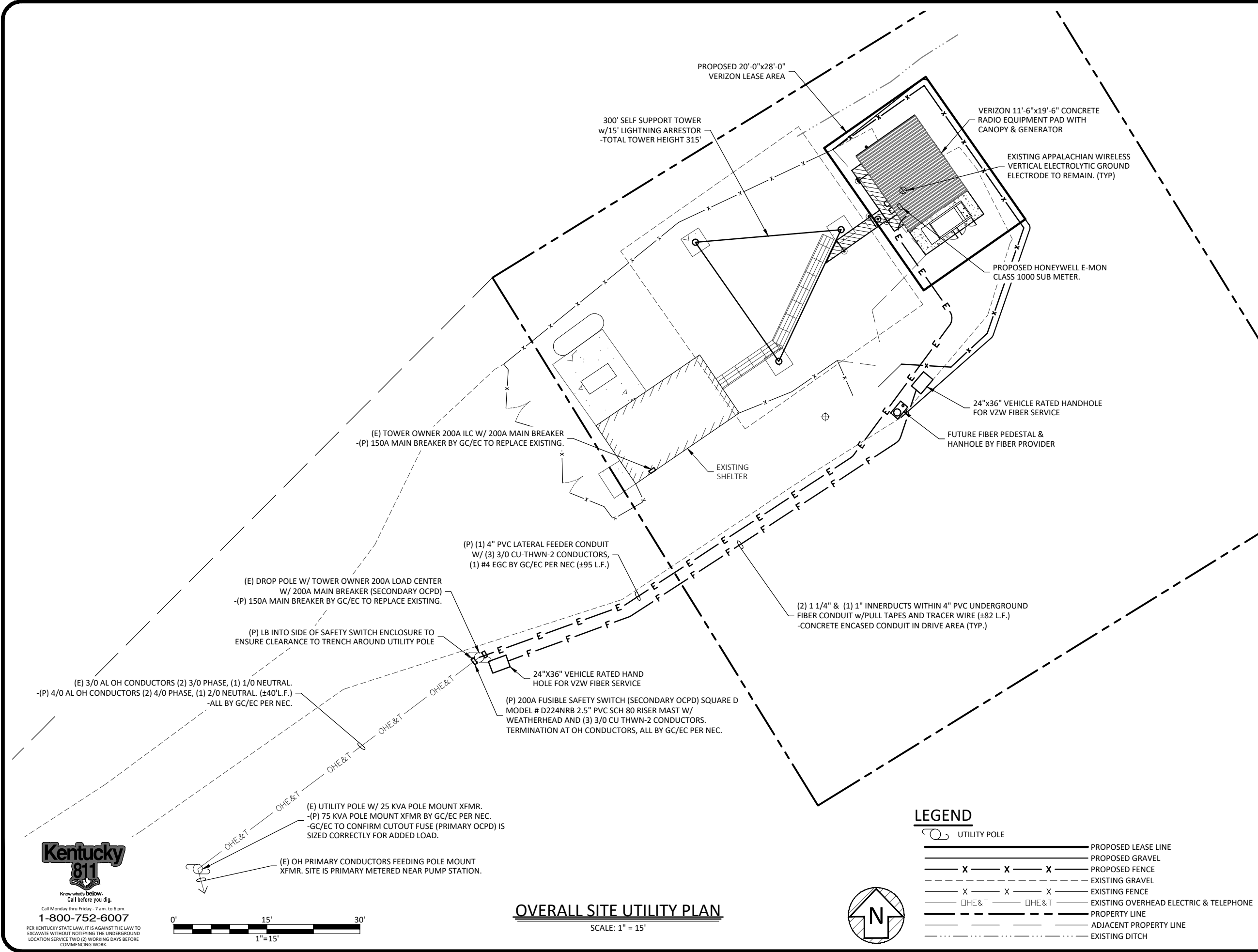
DRAWN BY: POD
CHECKED BY: MEP
DATE: 10.14.22

SHEET TITLE:

OVERALL SITE UTILITY PLAN

SHEET NUMBER:

E-0



LEGEND

- UTILITY POLE
- PROPOSED LEASE LINE
- PROPOSED GRAVEL
- PROPOSED FENCE
- EXISTING GRAVEL
- EXISTING FENCE
- OHE&T
- EXISTING OVERHEAD ELECTRIC & TELEPHONE
- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EXISTING DITCH

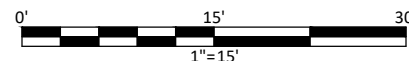
OVERALL SITE UTILITY PLAN

SCALE: 1" = 15'



Know what's below.
Call before you dig.
Call Monday thru Friday - 7 am. to 6 pm.
1-800-752-6007

PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.



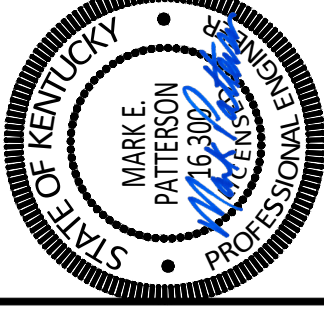


CELLCO PARTNERSHIP

D/B/A



03/21/2023



EN PERMIT: 3594

CONSTRUCTION DRAWINGS

REV.	DATE	DESCRIPTION
A	3-9-23	ISSUED FOR REVIEW
0	3-21-23	ISSUED AS FINAL

SITE INFORMATION:

LV GRAYS KNOB

114 BLANTON DR
HARLAN, KY 40831
HARLAN COUNTY

APPALACHIAN WIRELESS SITE NAME:

DRESSEN

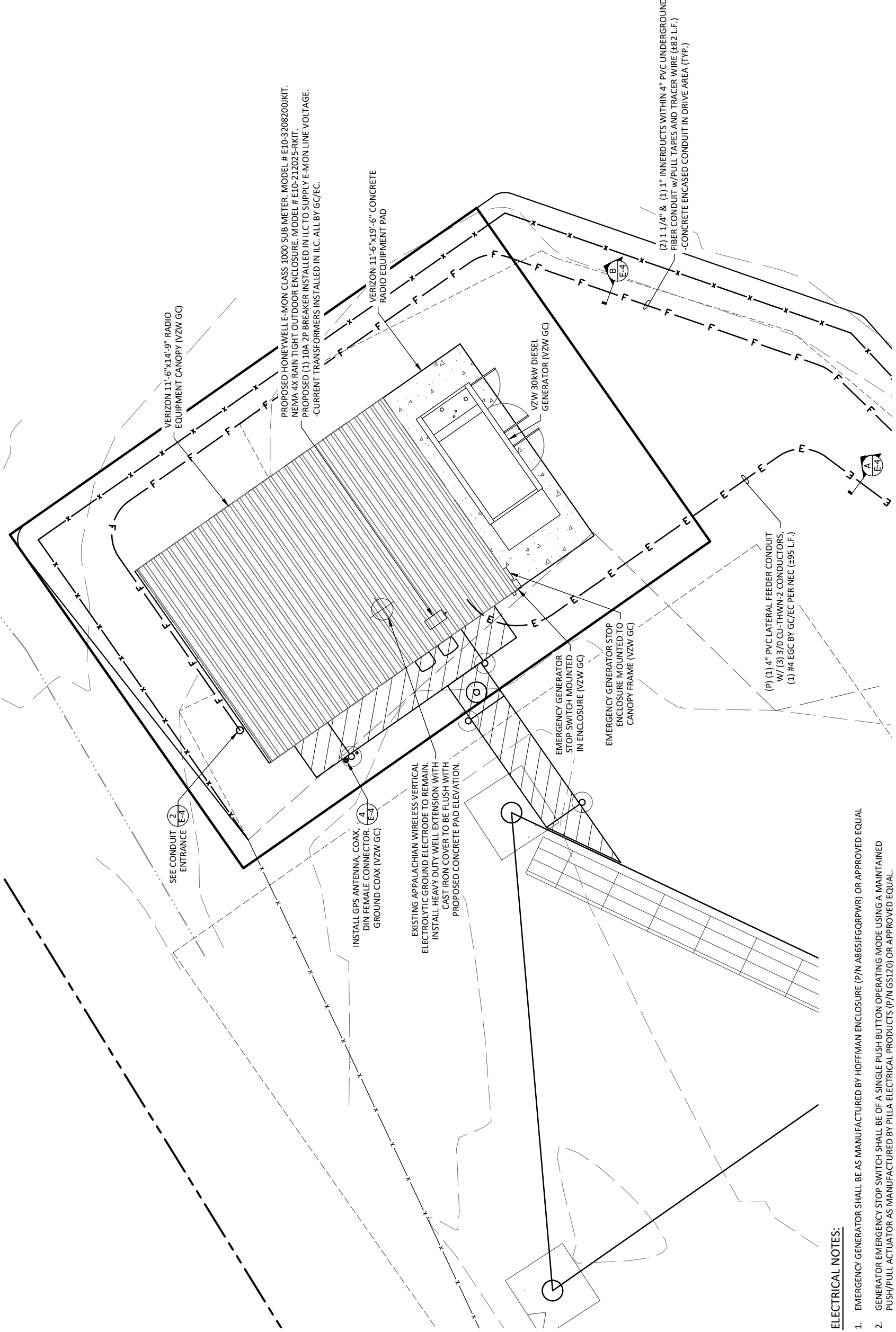
POD NUMBER: 22-130589

DRAWN BY: POD
CHECKED BY: MEP
DATE: 10.14.22

SHEET TITLE:

SHEET NUMBER:

E-1

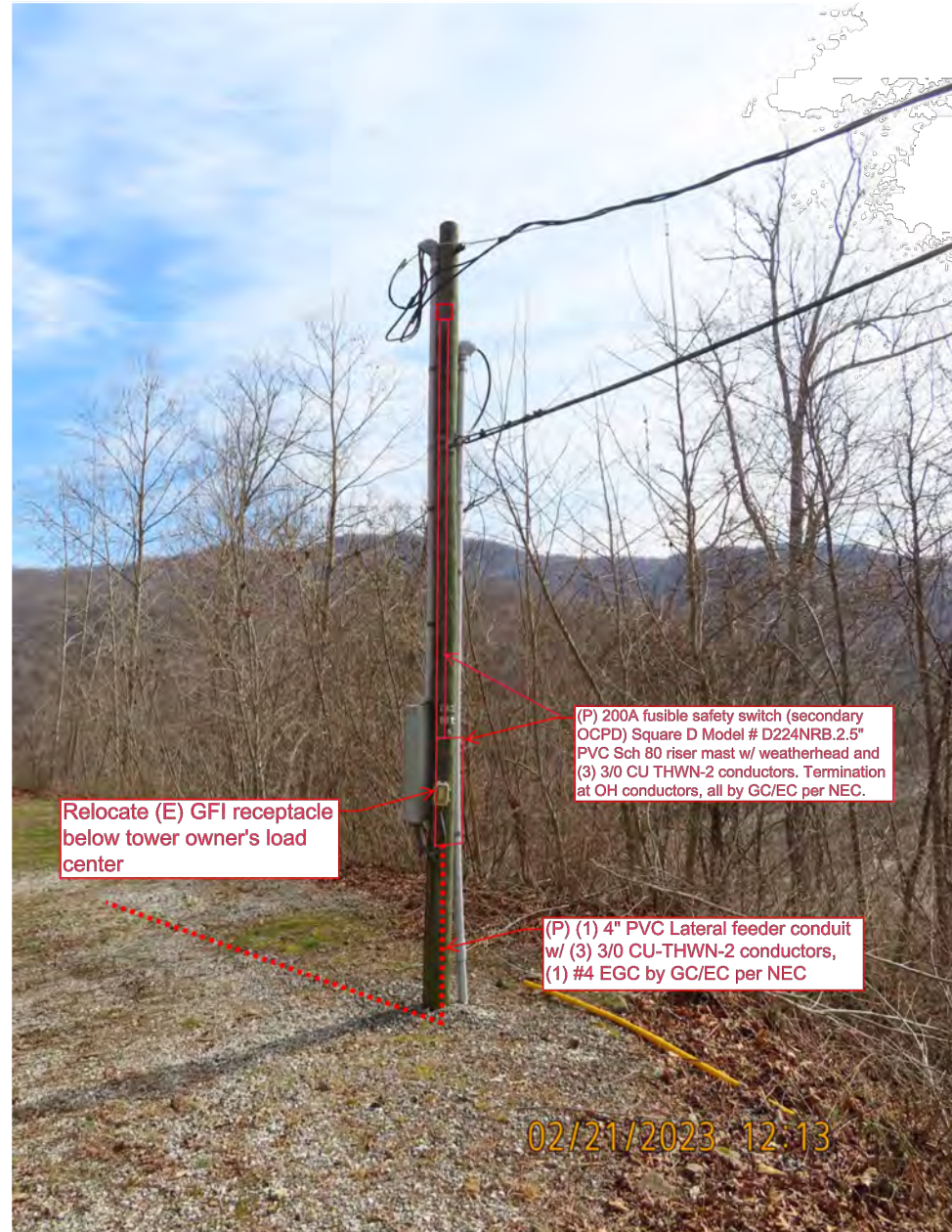


SITE UTILITY PLAN

SCALE: N.T.S.

ELECTRICAL NOTES:

1. EMERGENCY GENERATOR SHALL BE AS MANUFACTURED BY HOFFMAN ENCLOSURE (P/N A865JFGQRPWR) OR APPROVED EQUAL
2. GENERATOR EMERGENCY STOP SWITCH SHALL BE OF A SINGLE PUSH BUTTON OPERATING MODE USING A MAINTAINED PUSH/PULL ACTUATOR AS MANUFACTURED BY PILLA ELECTRICAL PRODUCTS (P/N GS120) OR APPROVED EQUAL.
3. CONTACT BLOCKS SHALL BE RATED AT CONTINUOUS CURRENT OF 10A @ 120 VAC
4. PROVIDE 6'-0" MAX. LIQUIDTIGHT FLEXIBLE METAL CONDUIT AT ALL EQUIPMENT AND GENERATOR CONNECTIONS.
5. ALL CONDUIT SHALL BE ROUTED WITHIN 2'-0" OF PERIMETER COMPOUND FENCE WHERE APPLICABLE.
6. CONDUIT TRENCH WIDTH SHALL NOT EXCEED 18" AT ALL ACCESS DRIVE LOCATIONS AND WHEN CROSSING THE COMPOUND GATE OPENING.
7. ALL CONDUIT RACEWAYS BETWEEN CABINETS ABOVE CONCRETE PAD SHALL BE 2" DIAMETER IMC WITH WEATHERPROOF FITTINGS.



EXISTING UTILITY DROP POLE

SCALE: N.T.S.



CELLCO PARTNERSHIP
D/B/A



03/21/2023



EN PERMIT: 3594

CONSTRUCTION DRAWINGS

REV.	DATE	DESCRIPTION
A	3.9.23	ISSUED FOR REVIEW
0	3.21.23	ISSUED AS FINAL

SITE INFORMATION:

LV GRAYS KNOB

114 BLANTON DR
HARLAN, KY 40831
HARLAN COUNTY

APPALACHIAN WIRELESS SITE NAME:
DRESSEN

POD NUMBER: 22-130589

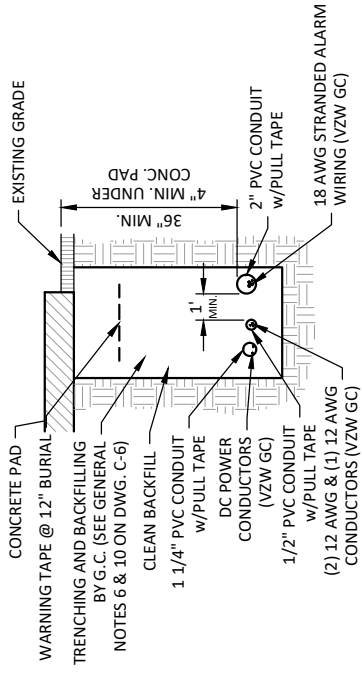
DRAWN BY: POD
CHECKED BY: MEP
DATE: 10.14.22

SHEET TITLE:

**EXISTING UTILITY
DROP POLE**

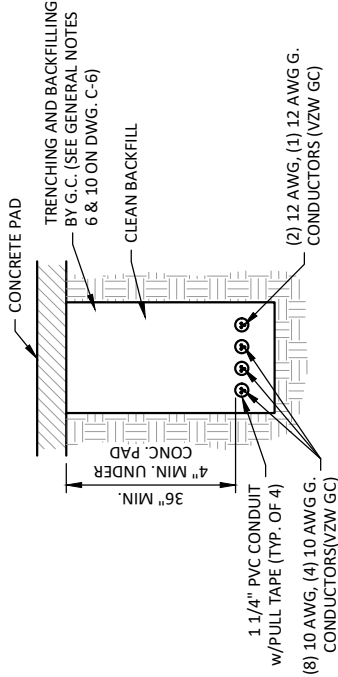
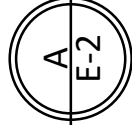
SHEET NUMBER:

E-1A



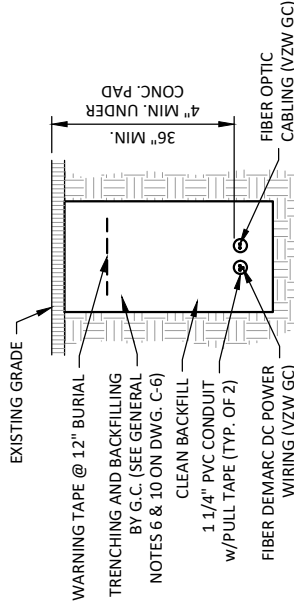
**POWER PLANT FEEDER
TRENCH SECTION DETAIL**

SCALE: N.T.S.



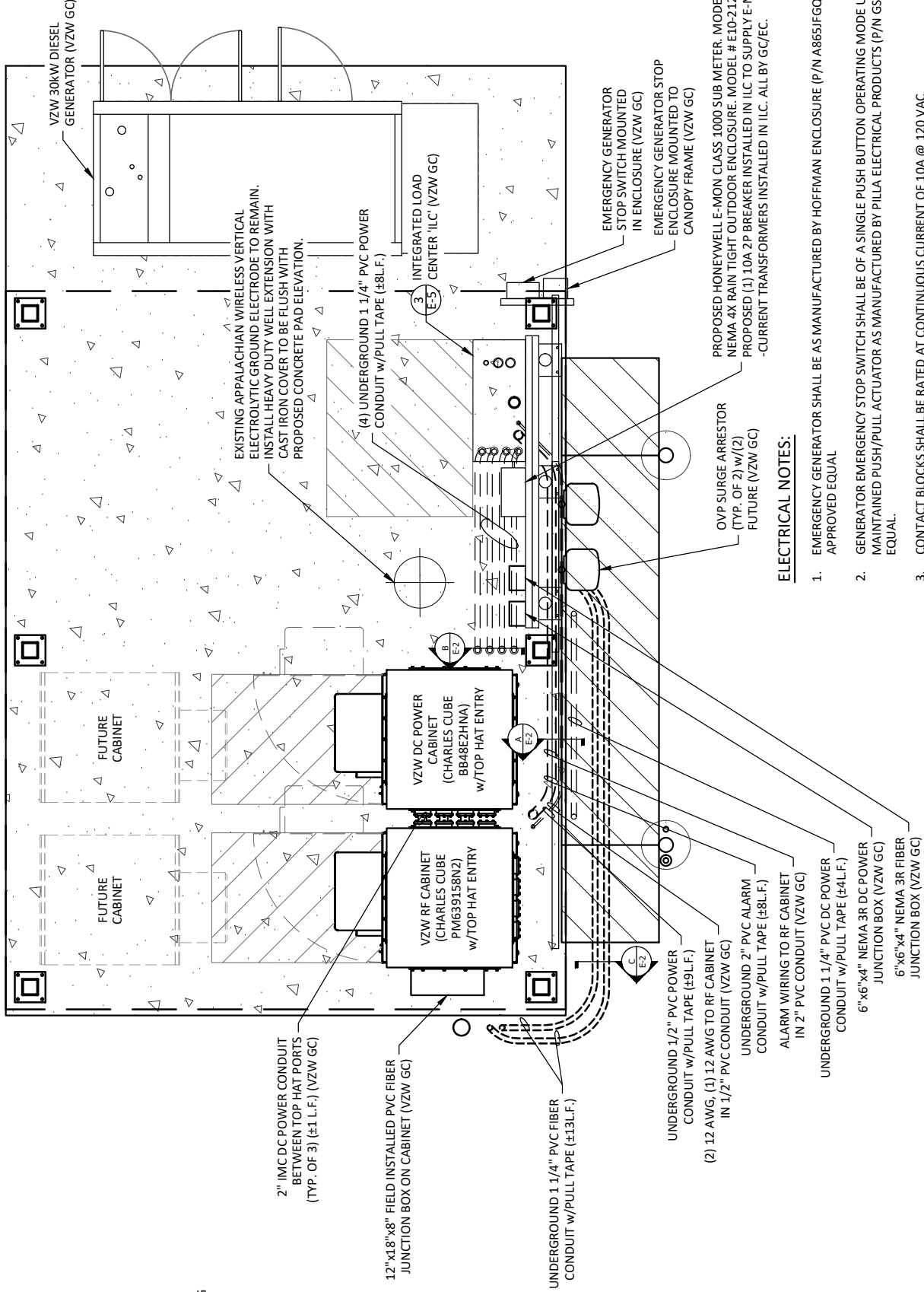
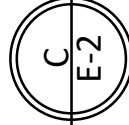
**POWER PLANT FEEDER
TRENCH SECTION DETAIL**

SCALE: N.T.S.



**FIBER DEMARC
TRENCH SECTION DETAIL**

SCALE: N.T.S.



EQUIPMENT PAD UTILITY PLAN

SCALE: 1" = 3'

ELECTRICAL NOTES:

- EMERGENCY GENERATOR SHALL BE AS MANUFACTURED BY HOFFMAN ENCLOSURE (P/N A865JFGQPWR) OR APPROVED EQUAL
- GENERATOR EMERGENCY STOP SWITCH SHALL BE OF A SINGLE PUSH BUTTON OPERATING MODE USING A MAINTAINED PUSH/PULL ACTUATOR AS MANUFACTURED BY PULLA ELECTRICAL PRODUCTS (P/N GS120) OR APPROVED EQUAL.
- CONTACT BLOCKS SHALL BE RATED AT CONTINUOUS CURRENT OF 10A @ 120 VAC
- PROVIDE 6'-0" MAX. LIQUIDTIGHT FLEXIBLE METAL CONDUIT AT ALL EQUIPMENT AND GENERATOR CONNECTIONS.
- ALL CONDUIT SHALL BE ROUTED WITHIN 2'-0" OF PERIMETER COMPOUND FENCE WHERE APPLICABLE.
- CONDUIT TRENCH WIDTH SHALL NOT EXCEED 18" AT ALL ACCESS DRIVE LOCATIONS AND WHEN CROSSING THE COMPOUND GATE OPENING.
- ALL CONDUIT RACEWAYS BETWEEN CABINETS ABOVE CONCRETE PAD SHALL BE 2" DIAMETER IMC WITH WEATHERPROOF FITTINGS.



CELLCO PARTNERSHIP

D/B/A



03/21/2023



EN PERMIT: 3594

**CONSTRUCTION
DRAWINGS**

REV.	DATE	DESCRIPTION
A	3-9-23	ISSUED FOR REVIEW
0	3-21-23	ISSUED AS FINAL

SITE INFORMATION:

LV GRAYS KNOB

114 BLANTON DR
HARLAN, KY 40831
HARLAN COUNTY

APPALACHIAN WIRELESS SITE NAME:

DRESSEN

POD NUMBER: 22-130589

DRAWN BY: MEP
CHECKED BY: 10.14.22
DATE:

SHEET TITLE:

**EQUIPMENT PAD
UTILITY PLAN &
EQUIPMENT PAD
TRENCH SECTIONS**

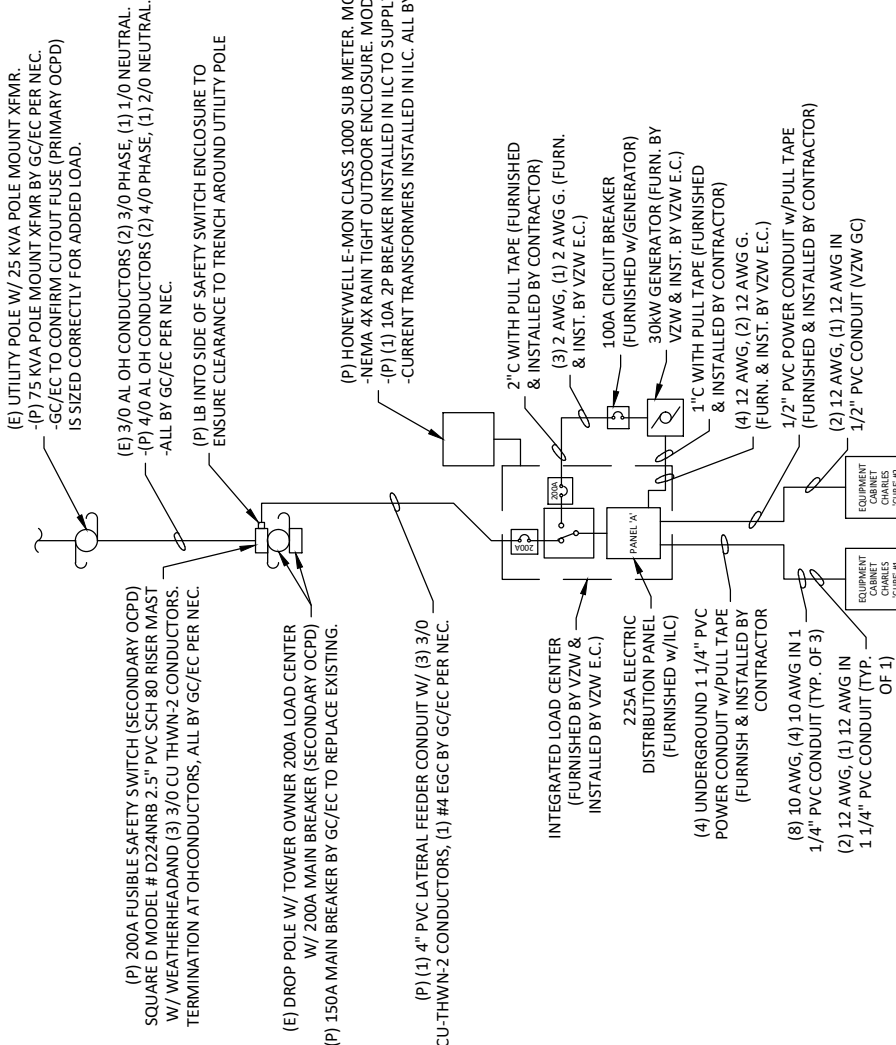
SHEET NUMBER:

E-2

VERIZON PANEL "A" SCHEDULE					
MAIN: 225/2	VOLTAGE: 120/240	PHASE: 1 WIRE: 3			
TO AUTOMATIC TRANSFER SWITCH	225A				
DESCRIPTION	BRKR.	WATTS	BRKR.	WATTS	DESCRIPTION
RECTIFIER #1	20/2	1800	20/2	1800	RECTIFIER #2
RECTIFIER #3	20/2	1800	20/2	1800	RECTIFIER #4
RECTIFIER #5	20/2	1800	20/2	1800	RECTIFIER #6
RECTIFIER #7	20/2	1800	20/2	1800	RECTIFIER #8
SPACE					SPACE
SPACE					SPACE
SPACE					SPACE
SPACE					SPACE
SPACE					SPACE
SPACE					SPACE
GFCI RECEPTACLE (RF CABINET)	15/1	180			SPACE
CANOPY LIGHTS	20/1	126	15/1	180	GFCI RECEPTACLE (DC PWR CABINET)
GEN. BLOCK HEATER	20/1	1500	20/1	250	GEN. BATTERY CHARGER
SURGE ARRESTOR					

SURFACE MOUNTED NEMA 3R W/DOOR
 CONTINUOUS LOAD = 0.00 KW, 00.00 AMPS
 22K AIC BREAKERS
 TOTAL CONNECTED LOAD = 38.80 KW, 161.67 AMPS
 (E.C. SHALL VERIFY AIC RATINGS W/LOCAL POWER CO.)

PANEL SCHEDULE "A"



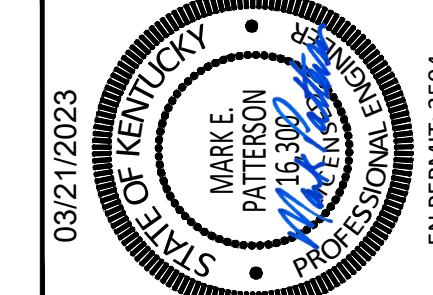
ONE LINE DIAGRAM
 SCALE: N.T.S.

GENERAL ELECTRICAL NOTES

- UNLESS NOTED AS VERIZON GENERAL CONTRACTOR OR VZW GC, ALL WORK ITEMS ON ELECTRICAL "E" & GROUNDING "G" SHEETS SHALL BE PERFORMED BY THE GENERAL CONTRACTOR'S ELECTRICAL CONTRACTOR. ALL WORK SHOWN AS NEW UNLESS NOTED EXISTING.
- THE GENERAL CONTRACTOR AND VERIZON ELECTRICAL CONTRACTORS SHALL BE LICENSED TO PERFORM WORK IN THE COUNTY OF THIS PROJECT AND SHALL BE RESPONSIBLE FOR OBTAINING AN ELECTRICAL PERMIT FROM THE COUNTY.
- UNDERGROUND CONDUIT SHALL BE SCH. 40 PVC PLASTIC DUCT WITH ALL BENDS MINIMUM 24" RADIUS 90° SWEEP SCH. 80 UNLESS OTHERWISE NOTED ON DRAWINGS. ELECTRICAL AND FIBER UTILITY LATERAL CONDUITS SHALL BE MINIMUM 36" RADIUS 90° SWEEP SCH. 80. ALL PVC SCH80 PIPING AND FITTINGS SHALL USE BELL END WHERE FEASIBLE.
- ALL WORK SHALL BE IN ACCORDANCE WITH N.E.P.A. AND N.E.C. CODES, NEMA STANDARDS AND ALL LOCAL CODES.
- PRIOR TO TRENCHING AND FOR COORDINATING OF THE FIBER AND ELECTRICAL SERVICES, SEE SHEET C-6 GENERAL NOTE #6 FOR UTILITY CONTACT NAMES & PHONE NUMBERS.
- ABOVE GRADE RISER CONDUIT SHALL BE RIGID SCH. 80 PVC WITH MATCHING FITTINGS UNLESS NOTED OTHERWISE.
- ALL WIRE SHALL BE COPPER, 600V THHN-2/THWN-2 OR XHHW-2 90°C UNLESS NOTED OTHERWISE.
- ALL ELECTRICAL CONTRACTORS SHALL ABIDE BY ALL GUIDELINES REQUIRED BY TOWER OWNER AND VERIZON WIRELESS, INCLUDING BUT NOT LIMITED TO, a) STAGE CONSTRUCTION AND REPORT WHEN ON AND OFF THE SITE, b) PROVIDE LOG BOOK RECORDS OF PERSONNEL ON TOWER, c) PROVIDE R.F. MONITORING DEVICES TO TOWER PERSONNEL, d) VERIZON TO INSPECT ALL TRENCHING BEFORE BACKFILLING.
- THE ELECTRICAL CONTRACTOR SHALL INSTALL ALL UNDERGROUND CONDUITS SHOWN ON PLANS UNLESS NOTED OTHERWISE. ALL UNDERGROUND CONDUIT SHALL BE STUBBED-UP AND CAPPED AT THE LOCATION INDICATED ON PLANS. VZW CONTRACTOR SHALL COMPLETE ALL CONDUIT TERMINATIONS TO VZW ENCLOSURES.
- THE VZW ELECTRICAL CONTRACTOR SHALL VERIFY ELECTRICAL SERVICE REQUIRED - 120/240V, SINGLE PHASE, 200 AMP BEFORE ROUGH IN.
- GENERAL CONTRACTOR AND VZW ELECTRICAL CONTRACTORS SHALL PROVIDE FIRE WATCH DURING ALL WELDING OPERATIONS. TWO (2) HAND HELD 30 LB. FIRE EXTINGUISHERS & ADEQUATE WATER SUPPLY SHALL BE APPROVED BY THE CLIENT AND THE TOWNSHIP WATER AUTHORITY.
- SEAL ALL PENETRATIONS WITH SILICONE SEALANT.
- ELECTRICAL WORK PRESENTS SPECIFIC THREATS TO THE HEALTH AND SAFETY OF WORKERS ON SITE. SPECIFICALLY ELECTROCUTIONS ARE THE FOURTH LEADING CAUSE OF DEATH ON CONSTRUCTION SITES. ALL ELECTRICAL WORKERS SHALL HAVE CURRENT CERTIFICATIONS WHICH SATISFY ALL TRAINING REQUIREMENTS FOR THE ELECTRICAL WORK THEY ARE PERFORMING PER OSHA STANDARDS. ALL ELECTRICAL WORKERS SHALL ADHERE TO ALL SAFETY RULES AND REGULATIONS FOR WORKER AND PUBLIC SAFETY. ALL WORK SHALL BE PERFORMED BY QUALIFIED ELECTRICIANS TRAINED FOR THE TYPE OF WORK AND THE VOLTAGES PRESENT FOR EACH TASK. THE CONTRACTOR SHALL REVIEW ALL LANDOWNER, PRIME CONTRACTOR, CARRIER, OSHA, NFPA 70E, AND LOCAL SAFETY GUIDELINES AND AT ALL TIMES SHALL CONFORM TO THE MOST RESTRICTIVE OF THESE STANDARDS TO ENSURE A SAFE WORKPLACE.
- CONNECT NEUTRAL TERMINAL IN SERVICE DISCONNECTING DEVICE TO GROUNDING ELECTRODE. (2) 0 AWG TINNED STRANDED COPPER GROUNDING ELECTRODE CONDUCTOR IN 1" PVC CONDUIT). CONNECT FIRST GROUNDING ELECTRODE TO SECOND GROUNDING ELECTRODE WITH 2/0 AWG TINNED STRANDED COPPER CONDUCTOR EXOTHERMICALLY WELDED TO ELECTRODES.
- VZW E.C. SHALL VERIFY SUFFICIENT CAPACITY EXISTS AT EXISTING METER CENTER. NOTIFY ENGINEER IMMEDIATELY IF SERVICE IS NOT ADEQUATE.
- REFER TO ELECTRICAL SITE PLAN FOR CONDUIT AND WIRE REQUIREMENTS.
- ALL ELECTRICAL EQUIPMENT PLACARDS MUST BE ENGRAVED PLASTIC LABELS ONLY, NO P-TOUCH LABELS ARE TO BE USED. PLACARDS SHALL BE 1 1/2" x 5" IN SIZE AND PERMANENTLY AFFIXED TO THE ENCLOSURES EASILY VISIBLE LOCATIONS.
- VERIZON ELECTRICAL PLACARD REQUIREMENTS:
 18.a. AVAILABLE FAULT CURRENT RATING FROM UTILITY PROVIDER WITH DATE.
 18.b. VERIZON SERVICE DISCONNECT AT METER BASE.
 18.c. GENERATOR MAIN BREAKER AT INTEGRATED LOAD CENTER "ILC".
 18.d. GENERATOR NEUTRAL CONDUCTOR BONDED TO SERVICE GROUNDING ELECTRODE IN THIS ENCLOSURE AT METER CENTER AND INTEGRATED LOAD CENTER "ILC" NEUTRAL BAR.
 18.e. VERIZON GENERATOR
 18.f. ACCESS PROPERTY OF VERIZON WIRELESS AT ALL VERIZON FIBER HANDHOLES FASTENED TO INSIDE WALL OF HANDHOLE.
- ALL EQUIPMENT SHALL BE GROUNDED PER LATEST EDITION OF NEC AND AS INDICATED ON GROUNDING PLAN.
- ELECTRICAL EQUIPMENT SHALL BE MIN 3'-0" FROM ANY STRUCTURE AND AS REQUIRED BY LOCAL UTILITY COMPANIES.
- 2 AWG BARE SOLID TINNED COPPER WIRE LEADS FROM NEW H-FRAME STRUCTURE TO BE BONDED TO EXISTING GROUNDING SYSTEM (TYP)
- ALL METALLIC CABINETS & ENCLOSURES MUST BE GROUNDED WITH 2 AWG TO GROUND RING.
- ALL ABOVE GRADE GROUND VZW CONNECTIONS SHALL BE IN 1/2" FLEXIBLE PVC CONDUIT W/ANTI-THEFT COMPOUND. ALL OTHER LEADS SHALL BE IN 1/2" PVC CONDUIT.
- ALL HARDWARE USED MUST BE GALVANIZED OR STAINLESS STEEL, NO ZINC OR OTHER MATERIAL IS TO BE USED.
- VERIZON FURNISH & INSTALL ALL INNER CONNECTING CONDUITS BETWEEN CABINETS AND LAND ALL AC POWER TO VZW EQUIPMENT.
- ALL CONDUIT RUNS SHALL HAVE A CONTINUOUS SLOPE DOWNWARD AND AWAY FROM THE METERBOARD SO THAT WATER WILL NOT FLOW FROM THE EQUIPMENT. TRENCHES SHALL BE EXCAVATED ALONG STRAIGHT LINES BEFORE CONDUIT ARE INSTALLED SO THE ELEVATION CAN BE ADJUSTED, IF NECESSARY, TO AVOID UNSEEN OBSTACLES.
- PRIOR TO THE SUBMISSION OF BIDS, THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS SHALL VERIFY ALL DETAILS AND SCHEDULES ON THE DRAWINGS AND SPECIFICATIONS PROVIDED BY THE OWNER, FOR MEETING OF ABBREVIATIONS AND ADDITIONAL REQUIREMENTS AND INFORMATION, CHECK STRUCTURAL AND OTHER MECHANICAL AND ELECTRICAL DRAWINGS FOR SCALE, SPACE LIMITATIONS, DOOR SWINGS, ADJACENT CARRIER EQUIPMENT COORDINATION AND ADDITIONAL INFORMATION, ETC. REPORT ANY DISCREPANCIES, CONFLICTS, ETC. TO THE OWNER BEFORE SUBMITTING BIDS.



CELLCO PARTNERSHIP
 D/B/A
verizon



EN PERMIT: 3594
CONSTRUCTION DRAWINGS

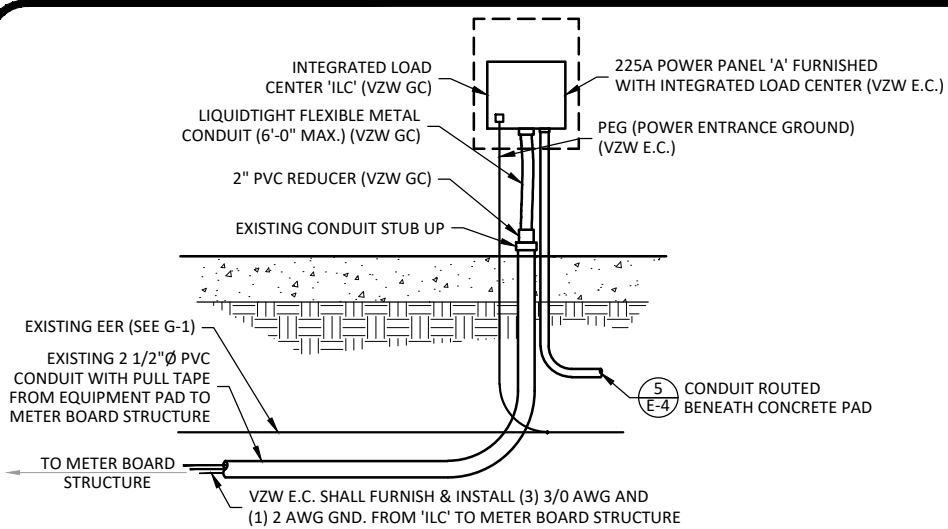
REV.	DATE	DESCRIPTION
A	3-9-23	ISSUED FOR REVIEW
0	3-21-23	ISSUED AS FINAL

SITE INFORMATION:
LV GRAYS KNOB
 114 BLANTON DR
 HARLAN, KY 40831
 HARLAN COUNTY

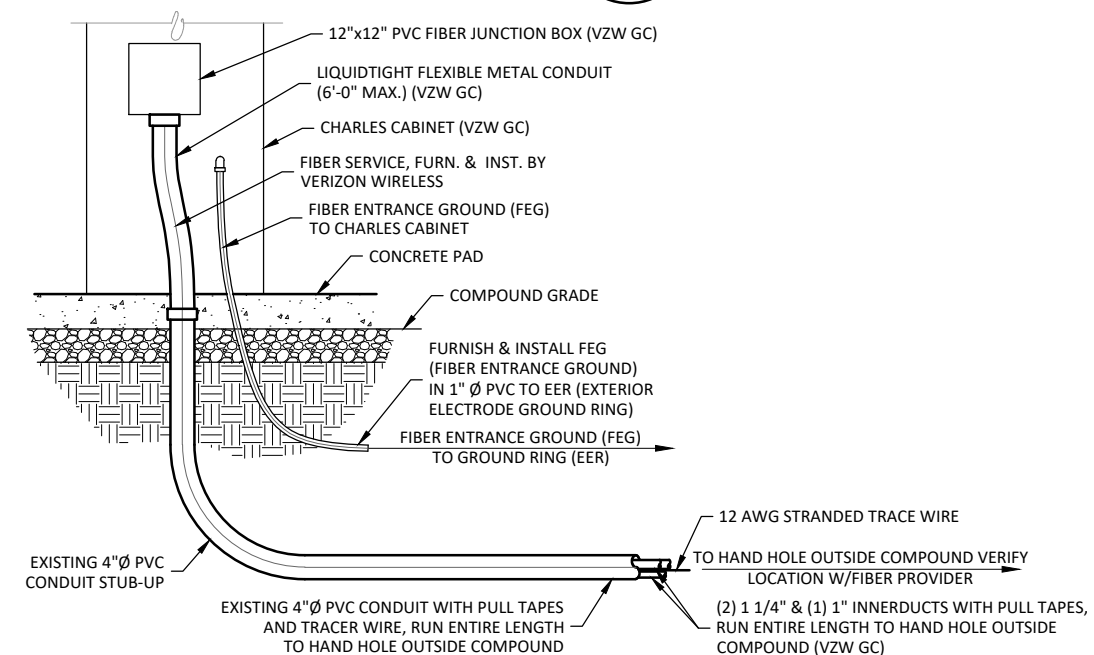
APPALACHIAN WIRELESS SITE NAME:
DRESSEN
 POD NUMBER: 22-130589
 DRAWN BY: MEP
 CHECKED BY: MOD
 DATE: 10.14.22

SHEET TITLE:
**PANEL SCHEDULE,
 ONE LINE DIAGRAM,
 ELECTRICAL NOTES
 AND DETAILS**

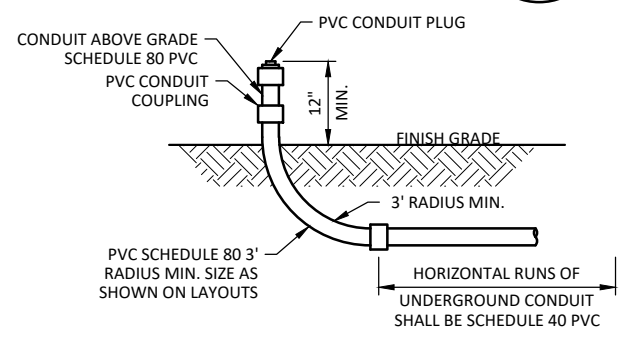
SHEET NUMBER:
E-3



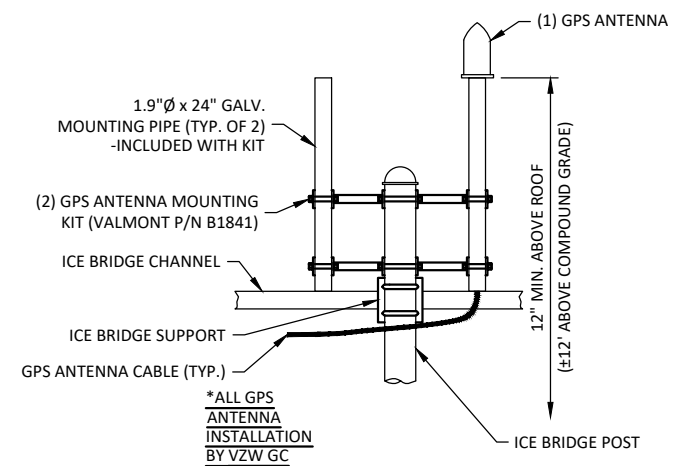
SERVICE ENTRANCE DETAIL
SCALE: N.T.S.
1
E-4



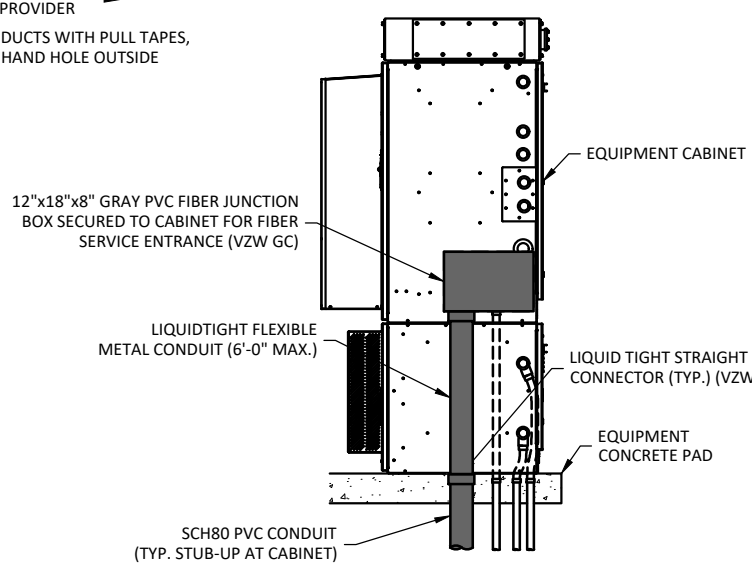
FIBER CONDUIT ENTRANCE DETAIL
SCALE: N.T.S.
2
E-4



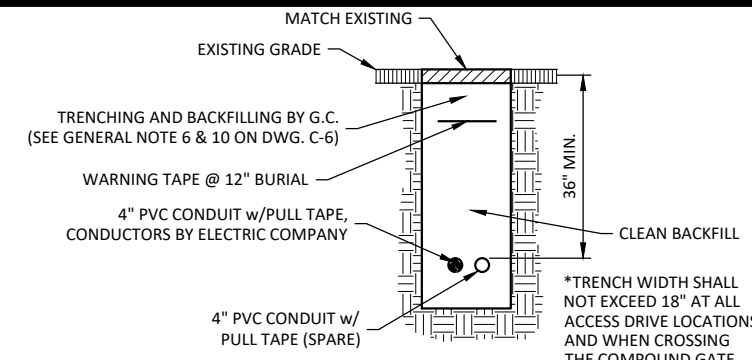
UNDERGROUND CONDUIT STUB-UP DETAIL
SCALE: N.T.S.
3
E-4



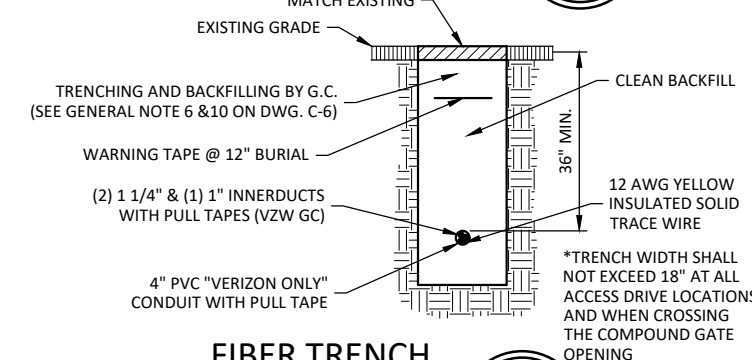
GPS MOUNT DETAIL
SCALE: N.T.S. (BY VZW GC)
4
E-4



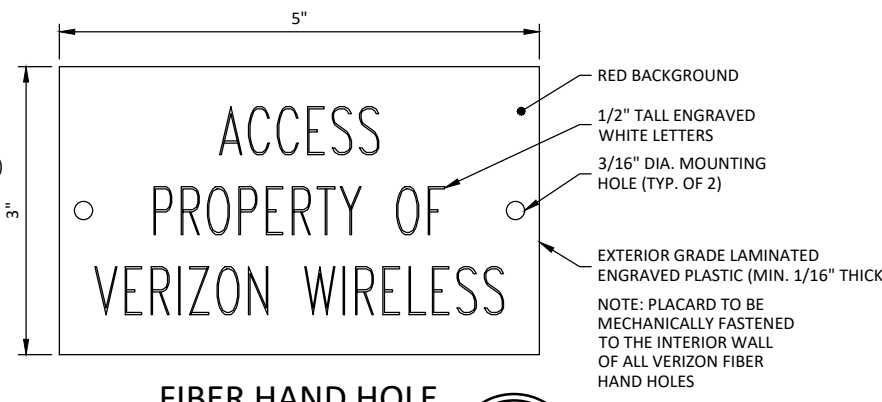
TYP. CABINET CONDUIT ENTRANCE DETAIL
SCALE: N.T.S. (BY VZW GC)
5
E-4



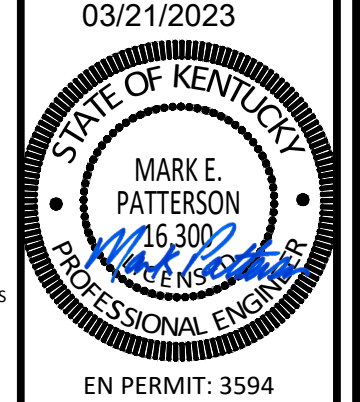
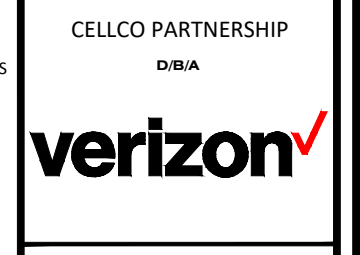
SERVICE LATERAL TRENCH SECTION DETAIL
SCALE: N.T.S.
A
E-4



FIBER TRENCH SECTION DETAIL
SCALE: N.T.S.
B
E-4



FIBER HAND HOLE PLACARD DETAIL
SCALE: N.T.S.
6
E-4



EN PERMIT: 3594
CONSTRUCTION DRAWINGS

REV.	DATE	DESCRIPTION
A	3.9.23	ISSUED FOR REVIEW
0	3.21.23	ISSUED AS FINAL

SITE INFORMATION:
LV GRAYS KNOB
114 BLANTON DR
HARLAN, KY 40831
HARLAN COUNTY

APPALACHIAN WIRELESS SITE NAME:
DRESSEN
POD NUMBER: 22-130589
DRAWN BY: POD
CHECKED BY: MEP
DATE: 10.14.22

SHEET TITLE:
ELECTRICAL DETAILS

SHEET NUMBER:
E-4

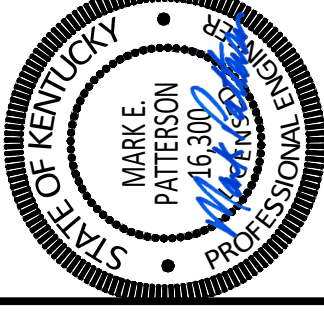


CELLCO PARTNERSHIP

D/B/A



03/21/2023



EN PERMIT: 3594

CONSTRUCTION DRAWINGS

REV.	DATE	DESCRIPTION
A	3.9.23	ISSUED FOR REVIEW
0	3.21.23	ISSUED AS FINAL

SITE INFORMATION:

LV GRAYS KNOB

114 BLANTON DR
HARLAN, KY 40831
HARLAN COUNTY

APPALACHIAN WIRELESS SITE NAME:

DRESSEN

POD NUMBER: 22-130589

DRAWN BY: POD
CHECKED BY: MEP
DATE: 10.14.22

SHEET TITLE:

EQUIPMENT CABINET ELEVATIONS

SHEET NUMBER:

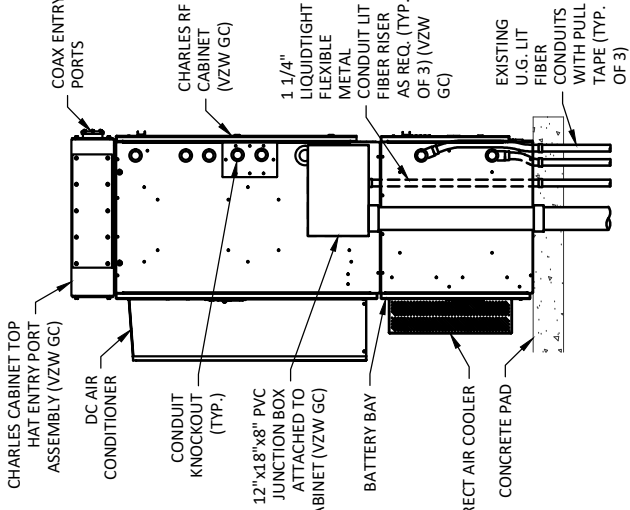
E-6

NOTE:

VERIFY INTERIOR EQUIPMENT LOCATION PRIOR TO JUNCTION BOX FASTENER INSTALLATION. NO SHARP FASTENER EDGES PERMITTED WITHIN CHARLES CABINET

NOTE:

FIBER OPTIC INNERDUCTS SHALL TERMINATE INSIDE CHARLES CABINET ONLY

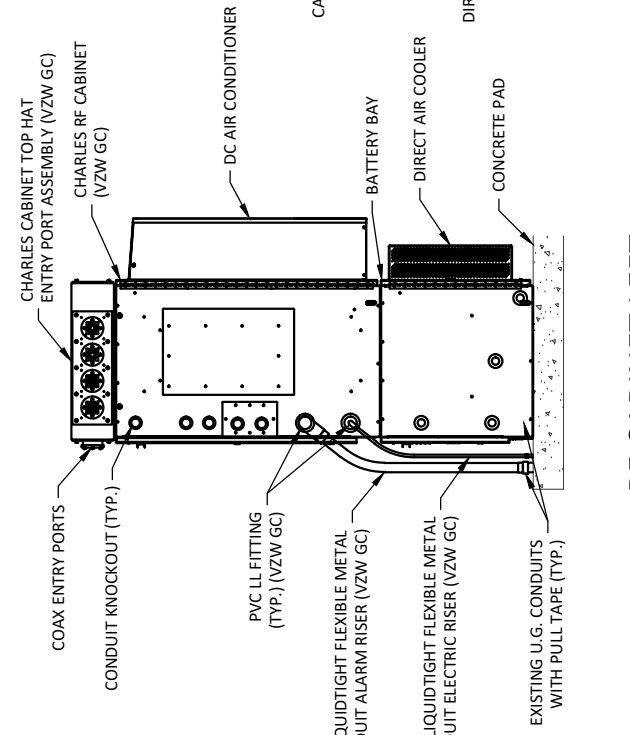


RF CABINET RIGHT ELEVATION

SCALE: N.T.S.

4

E-6

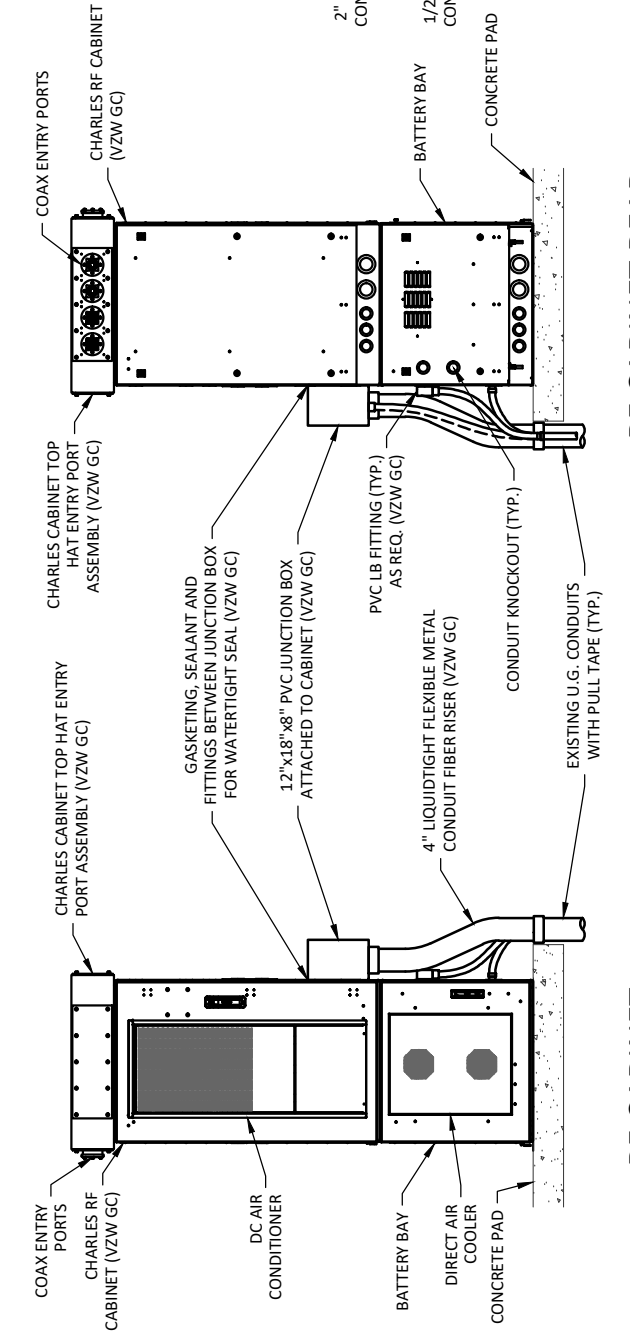


RF CABINET LEFT ELEVATION

SCALE: N.T.S.

3

E-6

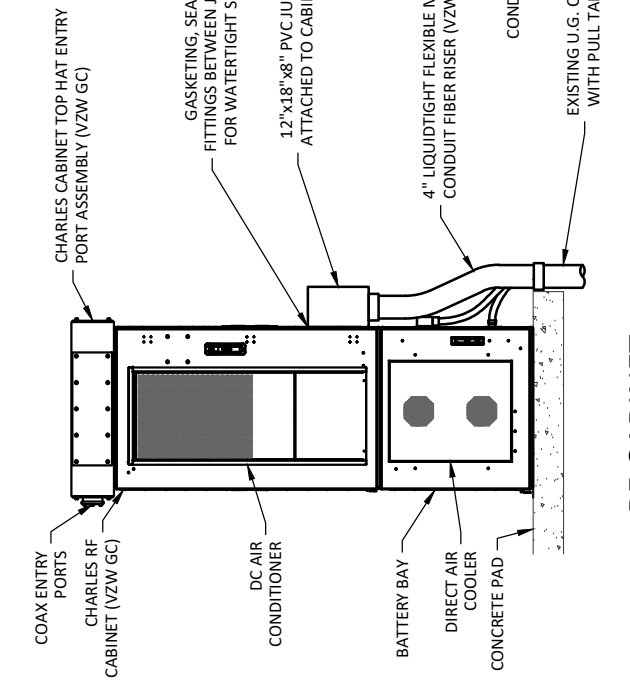


RF CABINET REAR ELEVATION

SCALE: N.T.S.

2

E-6

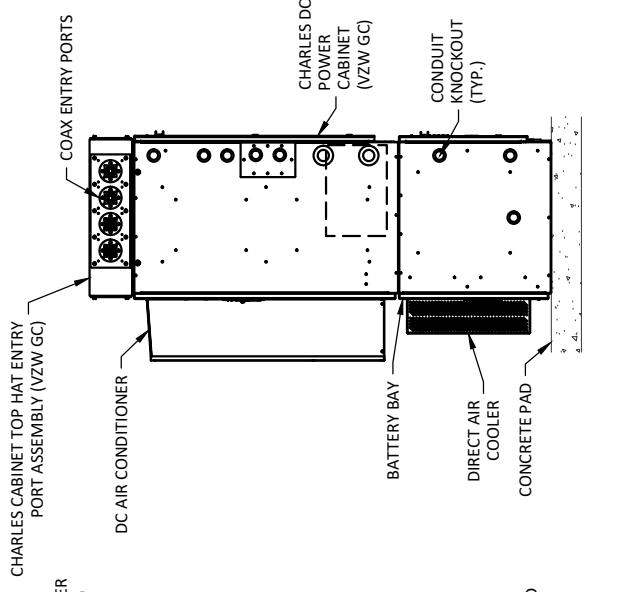


RF CABINET FRONT ELEVATION

SCALE: N.T.S.

1

E-6

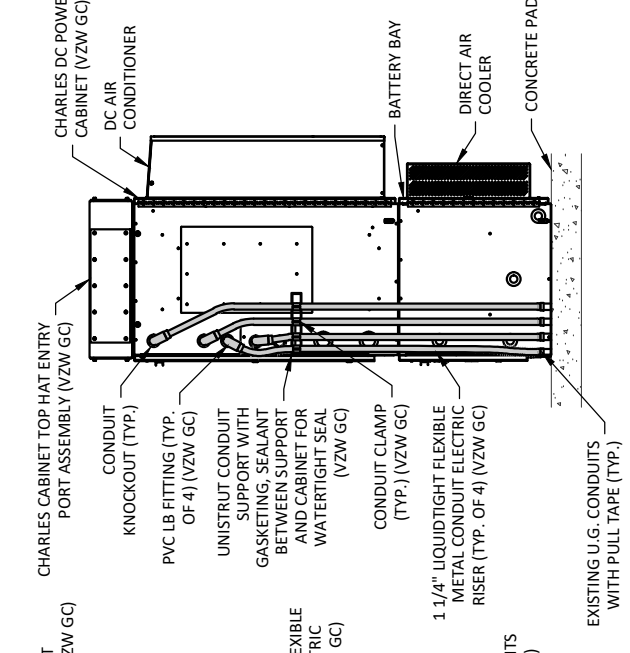


DC POWER CABINET RIGHT ELEVATION

SCALE: N.T.S.

8

E-6

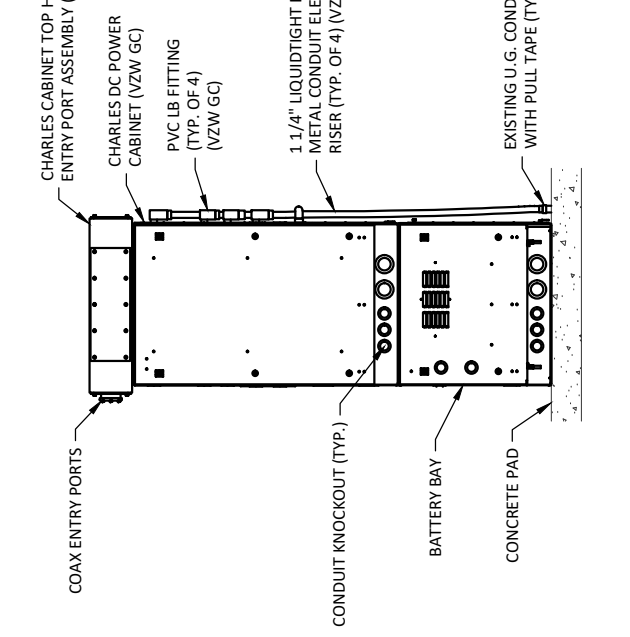


DC POWER CABINET LEFT ELEVATION

SCALE: N.T.S.

7

E-6

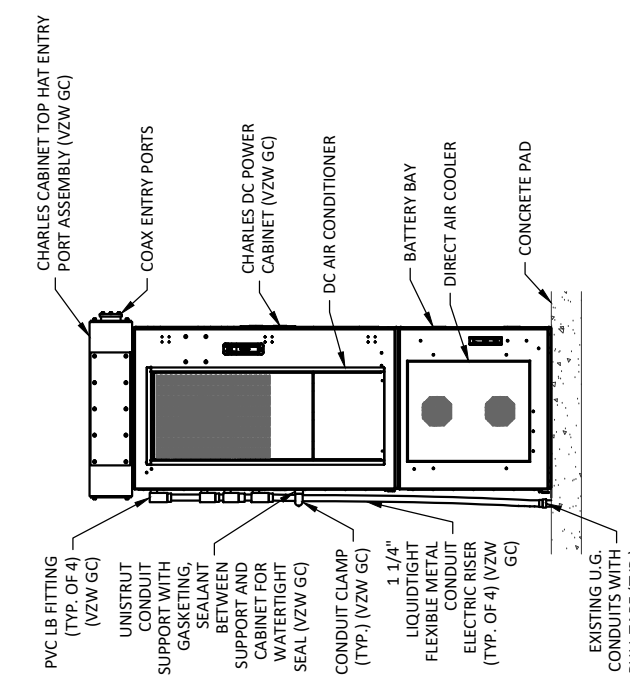


DC POWER CABINET REAR ELEVATION

SCALE: N.T.S.

6

E-6



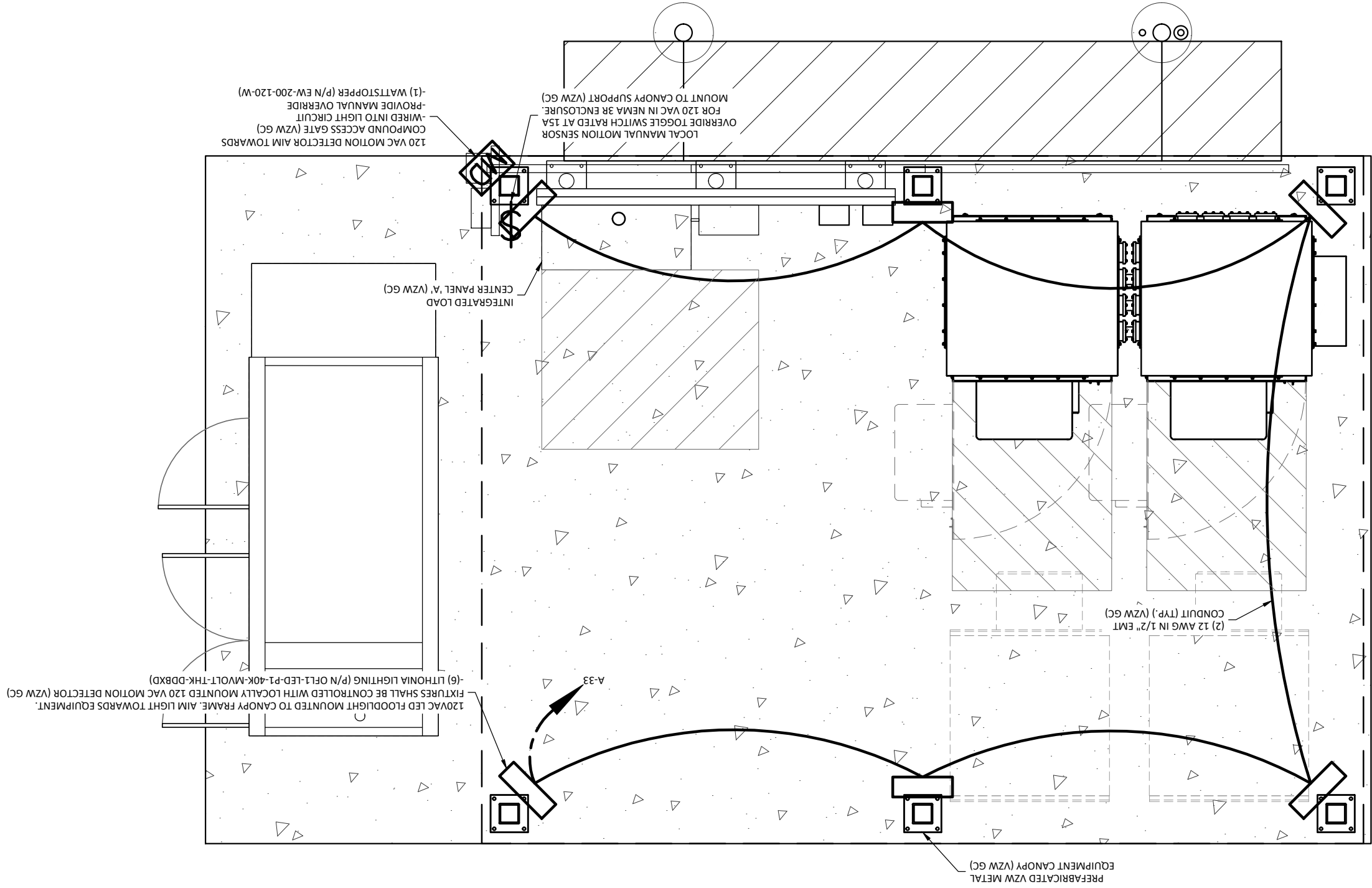
DC POWER CABINET FRONT ELEVATION

SCALE: N.T.S.

5

E-6

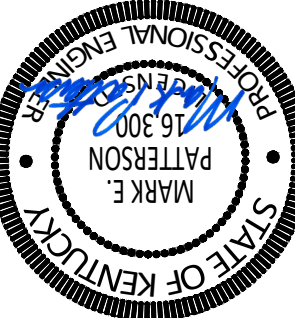
EQUIPMENT PAD LIGHTING PLAN
SCALE: N.T.S.



CELLCO PARTNERSHIP
d/b/a



03/21/2023



EN PERMIT: 3594

CONSTRUCTION DRAWINGS

REV	DATE	DESCRIPTION
A	3.9.23	ISSUED FOR REVIEW
0	3.21.23	ISSUED AS FINAL

REV	DATE	DESCRIPTION
A	3.9.23	ISSUED FOR REVIEW
0	3.21.23	ISSUED AS FINAL

SITE INFORMATION:

LV GRAYS KNOB
114 BLANTON DR
HARLAN, KY 40831
HARLAN COUNTY

APPALACHIAN WIRELESS SITE NAME:
DRESSEN

POD NUMBER: 22-130589
DRAWN BY: MEP
CHECKED BY: MEF
DATE: 10.14.22

EQUIPMENT PAD LIGHTING PLAN

E-7

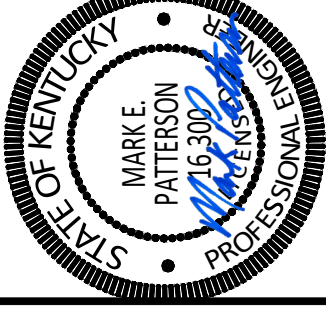
SHEET NUMBER:



CELLCO PARTNERSHIP
D/B/A



03/21/2023



EN PERMIT: 3594

CONSTRUCTION DRAWINGS

REV.	DATE	DESCRIPTION
A	3.9.23	ISSUED FOR REVIEW
0	3.21.23	ISSUED AS FINAL

SITE INFORMATION:

LV GRAYS KNOB

114 BLANTON DR
HARLAN, KY 40831
HARLAN COUNTY

APPALACHIAN WIRELESS SITE NAME:

DRESSEN

POD NUMBER: 22-130589

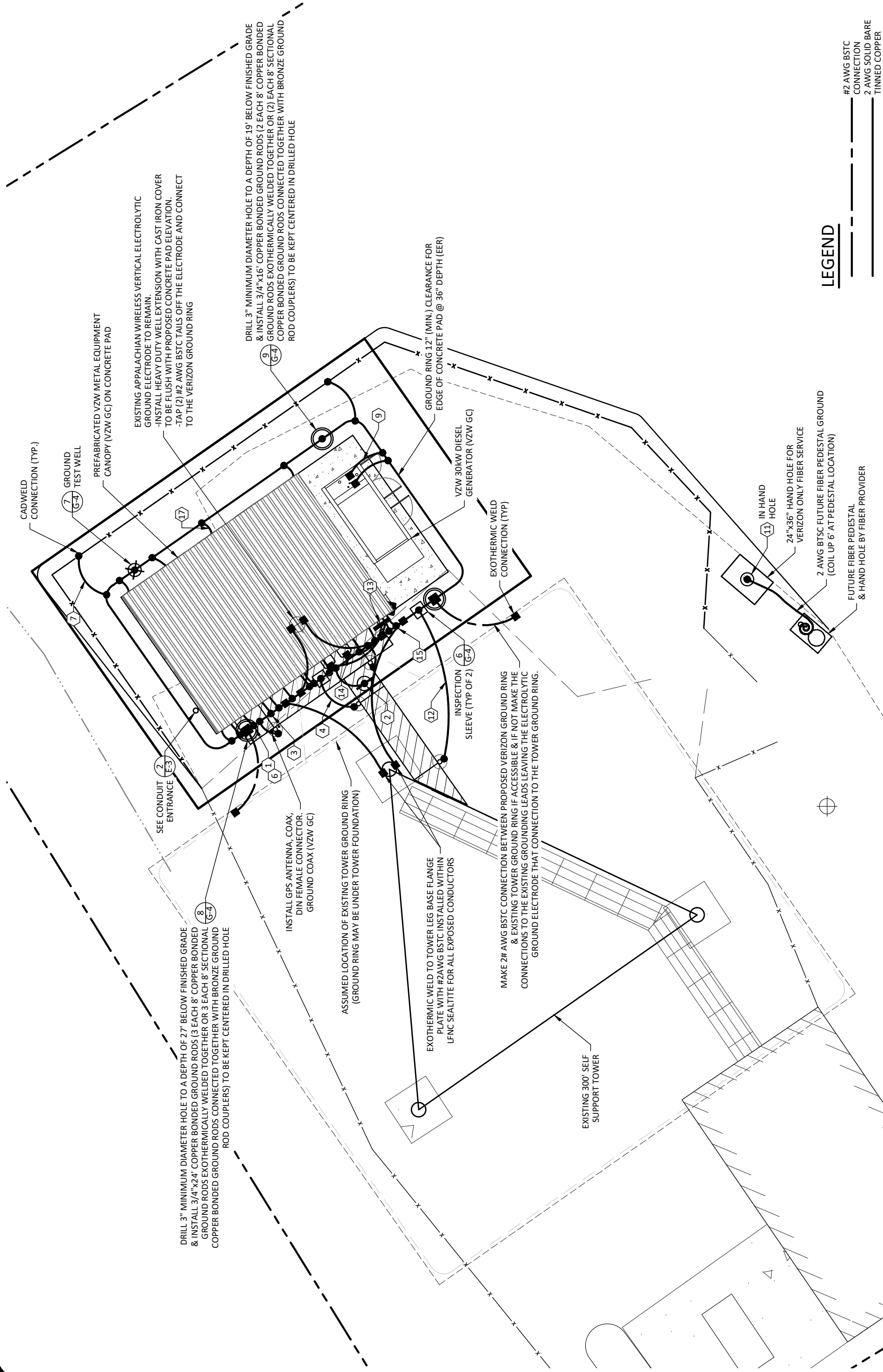
DRAWN BY: POD
CHECKED BY: MEP
DATE: 10.14.22

SHEET TITLE:

GROUNDING SITE PLAN

SHEET NUMBER:

G-1



LEGEND

- #2 AWG BSTC CONNECTION
- 2 AWG SOLID BARE TINNED COPPER

TOWER GROUND RING NOTES:

- GROUNDING PLAN SHOWN IS FOR A PAD AND PIER TOWER FOUNDATION. IF THE TOWER OWNER ELECTS TO INSTALL A CAISSON FOUNDATION THE TOWER GROUND RING (EER) WILL BE MODIFIED. THE TOWER GROUND RING (EER) SHALL BE INSTALLED PER VERIZON STANDARDS. 24" MIN. CLEARANCE FROM THE TOWER FOUNDATIONS AT 36" MIN. BELOW GRADE.
- ALL GROUND RODS SHALL BE INSTALLED PER VERIZON STANDARDS.
- ALL GROUND LEADS DEPICTED ON THIS PLAN SHALL BE MODIFIED TO CONNECT TO THE MODIFIED TOWER GROUND RING (EER) LOCATION.



GROUNDING SITE PLAN

SCALE: N.T.S.

NOTES:

- ALL ABOVE GRADE GROUND LEADS TO BE INSTALLED IN 1/2" NON-CONDUCTIVE FLEXIBLE PVC CONDUIT WITH ANTI-THEFT COMPOUND.
- COORDINATE ICE BRIDGE POST GROUND LEAD INSTALLATION WITH ICE BRIDGE POST LOCATIONS ON SHEET S-1.
- SEE SHEET G-2 FOR GROUNDING KEYED NOTES.

VERIZON GROUNDING KEYED NOTES

- 1. VZW E.C. FURN. & INST. 1 - 2/0 AWG INSULATED STRANDED COPPER GND. WIRE FOR BATTERY BAY GROUND (BBG) TO (EER). CONNECTION TO THE GROUND BAR IN THE BATTERY BAY SHALL BE MECHANICAL. ROUTE LEAD IN LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT w/ANTI-THEFT COMPOUND. CONNECTION TO (EER) SHALL BE CADWELD.
- 2. VZW E.C. FURN. & INST. 1 - #2 AWG BARE SOLID TINNED COPPER GND. WIRE FOR CEPSG POST TO (EER). FURNISH & INSTALL THE THEFT DETERRENT GROUND POST ASSEMBLY PART #TDSGAP14 FOR THE COAX ENTRY PROTECTION SYSTEM (AS MFGD. BY ERICO GROUNDING AND SUPPLIED BY VZW E.C.) TO THE POST. CONNECT THE #2 AWG BARE SOLID TINNED COPPER TO THE POST. THE CONNECTION TO POST SHALL BE CADWELD. REFER TO THE GENERAL INSTALLATION GUIDE AS SUPPLIED WITH THEFT DETERRENT POST MOUNT GROUND ASSEMBLY. SEE DETAIL 1 ON SHEET G-5 FOR DETAILS. CONNECTION (EER) SHALL BE CADWELD.
- 3. VZW E.C. FURN. & INST. 2 - #2 AWG BARE SOLID TINNED COPPER GND. WIRE FOR CABINET GROUND (CG) TO (EER). FURNISH & INSTALL TWO HOLE LONG BARREL LUGS ON EXISTING #2 AWG BARE TINNED COPPER LEADS. VZW E.C. SHALL FURNISH & INSTALL DRAGON TOOTH WASHERS AND #8 STAINLESS STEEL FASTENERS ON ALL EQUIPMENT CABINET EXTERIOR GROUND LOCATIONS (TYP. 2 PER CABINET). REMOVE ALL SURFACE PAINT AND USE ANTI-OXIDIZENT COMPOUND BETWEEN METAL AND WASHER. ALL LEADS SHALL BE DRESSED TO REDUCE TRIP HAZARDS. DETAIL 3 ON SHEET G-5 FOR DETAILS. CONNECTION (EER) SHALL BE CADWELD.
- 4. VZW E.C. FURN. & INST. 1 - #2 AWG BARE SOLID TINNED COPPER GND WIRE FOR ICE BRIDGE CHANNEL TO (EER). CONNECTION TO ICE BRIDGE CHANNEL SHALL BE CADWELD. CONNECTION (EER) SHALL BE CADWELD.
- 5. VZW E.C. FURN. & INST. #2 AWG BARE SOLID TINNED COPPER BURIED EXTERIOR ELECTRODE GROUND RING (EER) AROUND RADIO EQUIPMENT PAD AND TOWER BURIED AT 36" OR 6" BELOW FROST LINE (WHICHEVER IS GREATER). MAINTAIN 24" FROM EQUIPMENT PAD AND TOWER FOUNDATIONS MINIMUM.
- 6. VZW E.C. FURN. & INST. 1 - #2 AWG BARE SOLID TINNED COPPER GND. WIRE FOR FIBER ENTRANCE GROUND INTO THE POWER PLANT CABINET AND MAKE A MECHANICAL CONNECTION TO THE FIBER SERVICE GROUND POINT. ROUTE LEAD IN FLEXIBLE NONMETALLIC CONDUIT w/ANTI-THEFT COMPOUND. CONNECTION TO (EER) SHALL BE CADWELD.
- 7. VZW E.C. FURN. & INST. 1 - #2 AWG BARE SOLID TINNED COPPER GND WIRE FROM NEW FENCING TO GROUND RING (EER). CONNECTION TO FENCING SHALL BE AT THE BASE OF FENCE POST USING CADWELD AND WEAVE GND. WIRE THRU FABRIC AND ATTACH TO TOP RAIL WITH CADWELD. CONNECTION TO (EER) SHALL BE CADWELD.
- 8. FTWGL: NOT USED
- 9. VZW E.C. FURN. & INST. 1 - #2 AWG BARE SOLID TINNED COPPER GND. WIRE FOR THE GENERATOR ENCLOSURE TO (EER). CONNECTION TO GENERATOR ENCLOSURE SHALL BE MECHANICAL. ROUTE LEAD IN FLEXIBLE NONMETALLIC CONDUIT w/ANTI-THEFT COMPOUND. *GENERATOR SERVICE GROUND WHERE REQUIRED BY JURISDICTION HAVING AUTHORITY. CONNECTION TO (EER) SHALL BE CADWELD. REFER TO DETAIL 5 ON SHEET G-4.
- 10. GG: NOT USED
- 11. GRE: FURN. & INST. GROUND RODS TO 36" BELOW FINISH GRADE (OR 6" BELOW FROST LINE, WHICHEVER IS GREATER) AT A MINIMUM SPACING OF 10'-0" AT RADIO EQUIPMENT PAD, TOWER AND SITE EXTERIOR GROUND SYSTEM. CONNECTION TO (EER) SHALL BE CADWELD. REFER TO DETAILS ON SHEET G-4.
- 12. IBSS: VZW E.C. FURN. & INST. 1 - #2 AWG BARE SOLID TINNED COPPER GND. WIRE FROM ICE BRIDGE SUPPORT POST TO (EER). CONNECTION TO ICE BRIDGE SUPPORT POST SHALL BE CADWELD. CONNECTION (EER) SHALL BE CADWELD. SEE SHEET S-1 FOR ICE BRIDGE POST LOCATIONS.
- 13. OGA: VZW E.C. SHALL CONNECT THE THEFT DETERRENT GROUND ASSEMBLY KIT PART #TDSGAPC14 FOR THE OVP GROUND (OGL) DIRECTLY TO THE OVP H-FRAME POST.
- 14. OGL: VZW E.C. SHALL FURN. & INST. 1 - 6 AWG GREEN INSULATED STRANDED COPPER GND. WIRE FROM OVP MECHANICAL. CONNECTION POINT TO OVP GROUND ASSEMBLY (OGA). CONNECTION TO GROUND BAR SHALL BE MECHANICAL.
- 15. OHG: VZW E.C. FURN. & INST. 2 - #2 AWG BARE SOLID TINNED COPPER GND. WIRE FOR THE 'OVP' H-FRAME TO (EER). (TYP. OF 3 POSTS). CONNECTION TO POST SHALL BE CADWELD. CONNECTION (EER) SHALL BE CADWELD.
- 16. PEG: VZW E.C. FURN. & INST. 1 - #2 AWG BARE SOLID TINNED COPPER GND. WIRE FOR THE 'IC' GROUND BAR TO (EER). CONNECTION OF THE COILED WIRE TO THE INTEGRATED LOAD CENTER GROUND BAR SHALL BE MECHANICAL. ROUTE LEAD IN FLEXIBLE NONMETALLIC CONDUIT w/ANTI-THEFT COMPOUND. CONNECTION (EER) SHALL BE CADWELD.
- 17. PCSG: VZW E.C. FURN. & INST. 1 - #2 AWG BARE SOLID TINNED COPPER GND. WIRE FOR EACH PAD CANOPY SUPPORT BASE TO (EER). CONNECT SOLID TINNED COPPER ONE HOLE GROUND TAB TO GROUND WIRE WITH AN EXOTHERMIC CONNECTION. THE CONNECTION OF THE GROUND WIRE AND LUG TO THE CANOPY SUPPORT BASE SHALL BE MECHANICAL. SEE DETAIL 3 ON SHEET G-5. ROUTE LEAD IN FLEXIBLE NONMETALLIC CONDUIT w/ANTI-THEFT COMPOUND. CONNECTION TO (EER) SHALL BE CADWELD.
- 18. TBG: NOT USED
- 19. TWG: VZW E.C. SHALL CONNECT THE THEFT DETERRENT GROUND ASSEMBLY KIT PART #TDSGABC14 FOR THE TOWER WAVEGUIDE GROUND (TWG) DIRECTLY TO THE TOWER
- 20. UG: NOT USED

VERIZON GROUNDING NOTES

- 1. ALL UNDERGROUND CONNECTIONS ON THE LIGHTNING PROTECTION SYSTEM SHALL BE EXOTHERMIC WELDED USING THE CADWELD PROCESS. THE VERIZON E.C. SHALL FURN. & INST. ALL THESE CONNECTIONS, INCLUDING WELD METALS, MOLDS AND TOOLS. THE VERIZON E.C. SHALL FURN. & INST. 5/8" x 10' COPPER CLAD STEEL (COPPER JACKET 0.0012" MIN.) GROUND RODS, DRIVEN VERTICAL TO 36" BELOW FIN. GRADE (OR 6" BELOW FROSTLINE, WHICHEVER IS GREATER) @ 10'-0" O.C. MINIMUM.
- 2. THE VERIZON E.C. SHALL FURN. & INST. 2 AWG BARE SOLID TINNED COPPER GND. WIRE AT A DEPTH OF 36" BELOW FIN. GRADE FOR THE EQUIPMENT PAD (EER) AND ICE BRIDGE (CSG).
- 3. ALL EXTERIOR GND. CONNECTIONS SHALL BE EXOTHERMIC CADWELD (U.N.O.).
- 4. UPON COMPLETION OF THE EQUIPMENT PAD GROUNDING RING AND BEFORE BONDING TO THE TOWER GROUND RING, THE VERIZON E.C. SHALL MEGGER TEST THIS GROUNDING FIELD. THE REQUIRED RESISTANCE LEVEL IS 5 OHMS OR LESS. THE VERIZON E.C. SHALL NOTIFY THE ENGINEER IF THESE REQUIREMENTS ARE NOT ACHIEVED. THE VERIZON E.C. SHALL SUBMIT PRICING TO TOWER OWNER FOR THE INSTALLATION OF ADDITIONAL GROUND RODS REQUIRED FOR PROPER RESISTANCE. UPON APPROVAL FROM TOWER OWNER, THE VERIZON E.C. SHALL INSTALL ADDITIONAL GROUND RODS AS REQUIRED. AFTER PASSING TEST, THE VERIZON E.C. SHALL BOND THE EQUIPMENT PAD RING TO THE TOWER RING. THE VERIZON E.C. SHALL NOTIFY VERIZON CONSTRUCTION MANAGER AND TOWER OWNER CONSTRUCTION MANAGER 48 HOURS PRIOR TO BACKFILLING TRENCHES, POURING CONCRETE FOR FOUNDATIONS, TO INSPECT BONDS AND INSPECT ANY/ALL BREAKS AND REPAIRS TO THE GROUND RING.
- 5. GROUND SYSTEM SHALL BE VISUALLY INSPECTED BY A TOWER OWNER AND VERIZON CONSTRUCTION ENGINEER BEFORE BACKFILLING IF REQUESTED.
- 6. NO SHARP 90° BENDS SHALL BE USED. A LONG SWINGING RADIUS BEND IS REQUIRED.
- 7. ALL EQUIPMENT PAD AND EQUIPMENT GROUNDING SHALL BE IN ACCORDANCE WITH VERIZON SPECIFICATIONS.
- 8. ALL ABOVE GROUND BARE COPPER CONDUCTORS BELOW 10' ABOVE GRADE SHALL BE INSTALLED IN FLEXIBLE PVC CONDUIT. CONDUIT SHALL BE FILLED WITH THEFT DETERRENT COMPOUND (ELECTRIC MOTION COMPANY ANTI-THEFT COMPOUND EM-510).
- 9. BARE COPPER CONDUCTORS SHALL NOT BE INSTALLED WHERE THEY MAY BE IN CONTACT WITH GALVANIZED METALS. THE CONDUCTORS SHALL BE INSULATED OR ENCLOSED IN PVC CONDUIT, PLASTIC SEALTIGHT OR INSTALLED WITH STANDOFF SUCH THAT NO CONTACT BETWEEN DISSIMILAR METALS MAY TAKE PLACE.
- 10. CONNECTION OF COPPER CONDUCTORS TO GALVANIZED METAL OR ALUMINUM SHALL BE AVOIDED. BRASS OR STAINLESS STEEL LUGS OR BARS SHALL BE USED FOR THESE CONNECTIONS.

LEGEND	
BBG	BATTERY BAY GROUND
CEPSG	COAX ENTRY PROTECTION SYSTEM GROUND
CG	CABINET GROUND
CSG	CABLE SUPPORT GROUND
EER	BURIED EXTERIOR ELECTRODE GROUND RING
EGC	EQUIPMENT GROUNDING CONDUCTOR (NEC DESIGNATION)
FEF	FIBER ENTRANCE GROUND
FG	FENCE GROUND
FTWGL	FUTURE TOWER WAVEGUIDE GROUND LEAD
GEG	GROUNDING ELECTRODE CONDUCTOR (NEC DESIGNATION)
GEG	GENERATOR ENCLOSURE GROUND
GES	GROUNDING ELECTRODE SYSTEM (NEC DESIGNATION)
GG	GATE GROUND
GRE	GROUND ROD ELECTRODE
IBSSG	ICE BRIDGE SUPPORT GROUND
OGA	OVP GROUND ASSEMBLY
OGL	OVP GROUND LEAD
OHG	OVP H-FRAME SUPPORT GROUND
PEG	POWER ENTRANCE GROUND
PCSG	PAD CANOPY SUPPORT GROUND DOWN LEAD
TBG	TOWER BASE GROUND
TWG	TOWER WAVEGUIDE GROUND GROUND ASSEMBLY
UG	UFER GROUND
●	CABLE TO CABLE CADWELD CONNECTION
■	EXOTHERMIC WELD CONNECTION
⊗ & ⊙	GROUND WELL
⊗	TEST WELL

CONSTRUCTION DRAWINGS

REV.	DATE	DESCRIPTION
A	3-9-23	ISSUED FOR REVIEW
0	3-21-23	ISSUED AS FINAL

SITE INFORMATION:

LV GRAYS KNOB

114 BLANTON DR
HARLAN, KY 40831
HARLAN COUNTY

APPALACHIAN WIRELESS SITE NAME:

DRESSEN

POD NUMBER: 22-130589

DRAWN BY: POD
CHECKED BY: MEP
DATE: 10.14.22

SHEET TITLE:

GROUNDING NOTES

SHEET NUMBER:

G-2

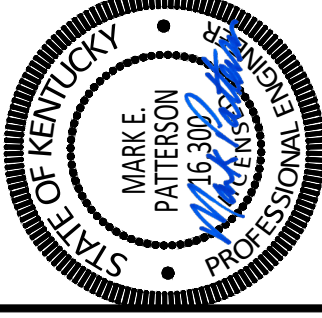


CELCO PARTNERSHIP

D/B/A



03/21/2023



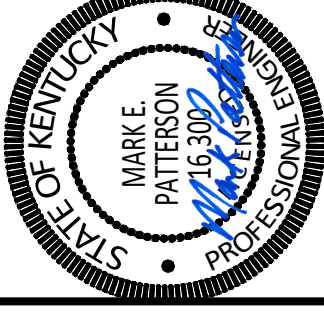
EN PERMIT: 3594



CELLCO PARTNERSHIP
D/B/A



03/21/2023



EN PERMIT: 3594

CONSTRUCTION DRAWINGS

REV.	DATE	DESCRIPTION
A	3-9-23	ISSUED FOR REVIEW
0	3-21-23	ISSUED AS FINAL

SITE INFORMATION:

LV GRAYS KNOB

114 BLANTON DR
HARLAN, KY 40831
HARLAN COUNTY

APPALACHIAN WIRELESS SITE NAME:

DRESSEN

POD NUMBER: 22-130589

DRAWN BY: POD

CHECKED BY: MEP

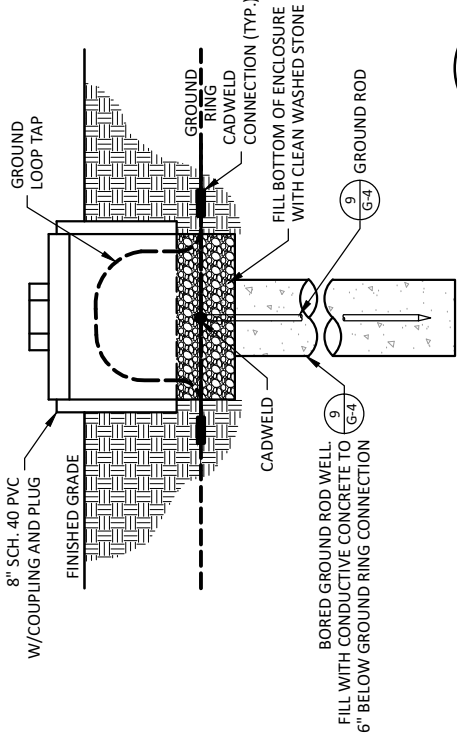
DATE: 10.14.22

SHEET TITLE:

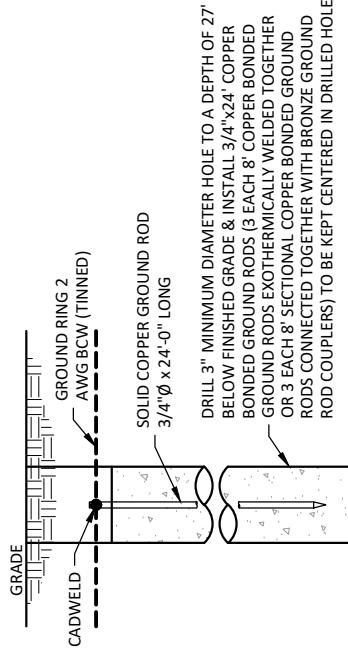
GROUNDING DETAILS

SHEET NUMBER:

G-4



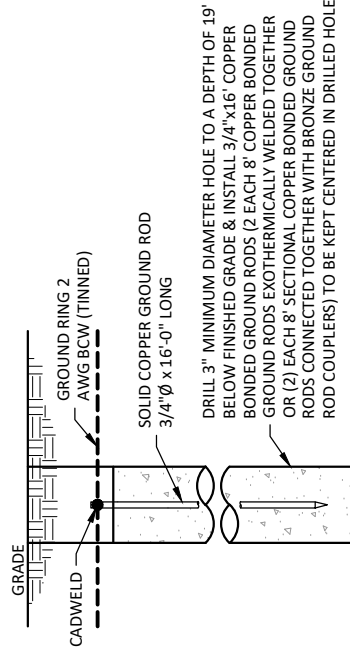
GROUND WELL DETAIL 7
SCALE: N.T.S.



GROUND WELL DETAIL 8
SCALE: N.T.S.

CONDUCTIVE CONCRETE EQUAL TO:

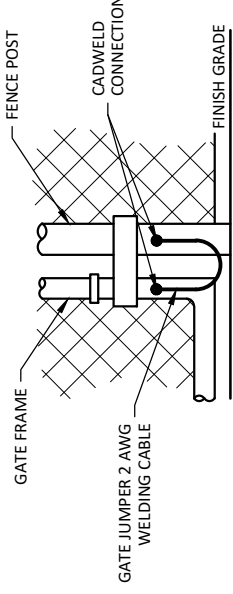
- SAN-EARTH MSC OR SAE CONDUCTURE
- "CONDUCTURE" AS MANUFACTURED BY SAE, INC.
- A SLURRY MIXTURE OF CONDUCTIVE CONCRETE SHALL BE POURED FROM BOTTOM TO TOP OF DRILLED HOLE AT GROUND RING TRENCH.
- SLURRY MIXTURE FOR POURING IN DRILLED HOLE TO BE MIXED PER MANUFACTURE INSTRUCTION



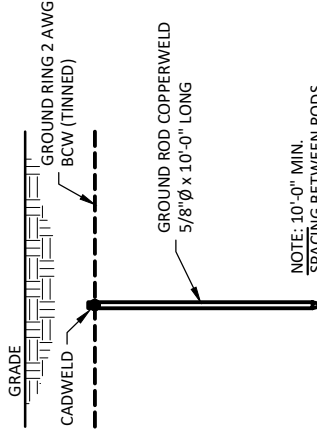
GROUND WELL DETAIL 9
SCALE: N.T.S.

CONDUCTIVE CONCRETE EQUAL TO:

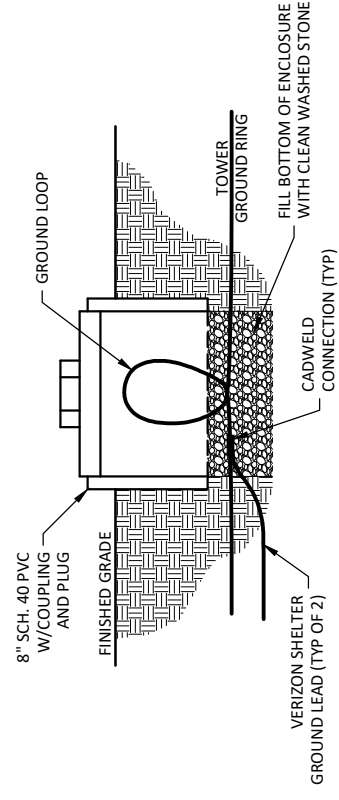
- SAN-EARTH MSC OR SAE CONDUCTURE
- "CONDUCTURE" AS MANUFACTURED BY SAE, INC.
- A SLURRY MIXTURE OF CONDUCTIVE CONCRETE SHALL BE POURED FROM BOTTOM TO TOP OF DRILLED HOLE AT GROUND RING TRENCH.
- SLURRY MIXTURE FOR POURING IN DRILLED HOLE TO BE MIXED PER MANUFACTURE INSTRUCTION



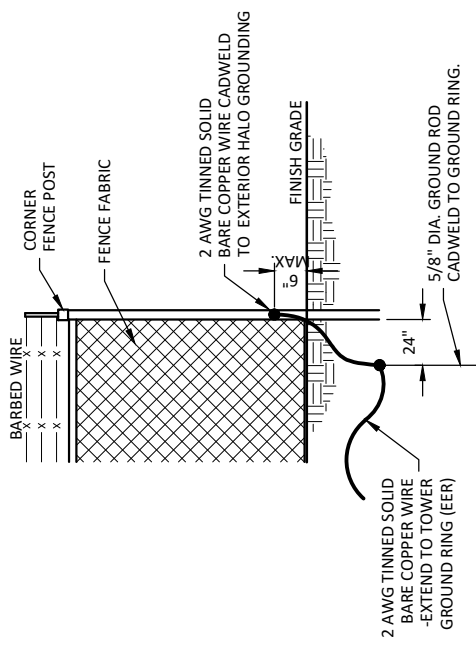
GROUNDING DETAIL 4
SCALE: N.T.S.



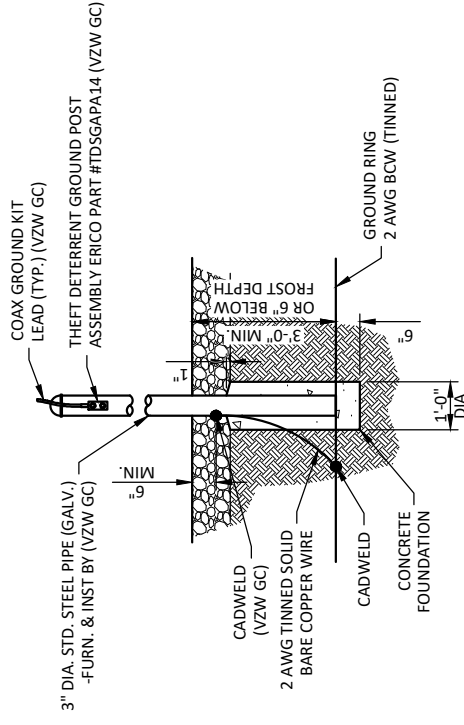
GROUND ROD DETAIL 5
SCALE: N.T.S. (TYP. FOR CONTRACTOR AND VZW GC)



INSPECTION SLEEVE DETAIL 6
SCALE: N.T.S.



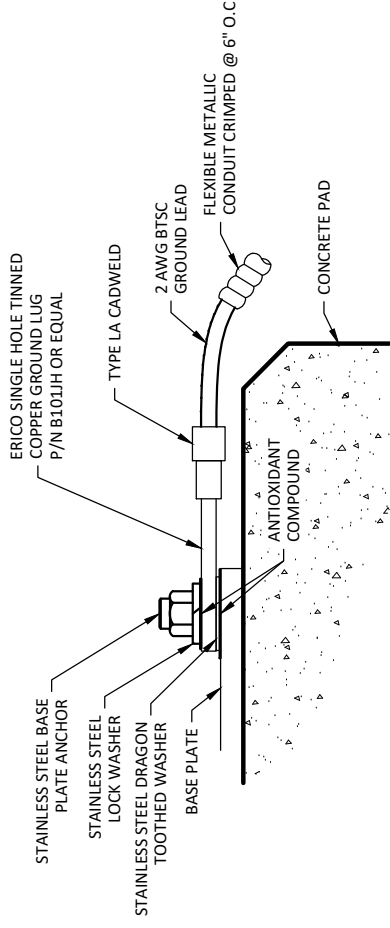
FENCE GROUNDING DETAIL 3
SCALE: N.T.S.



**THEFT DETERRENT POST MOUNT
GROUND DETAIL (CEPSG)**

1
G-5

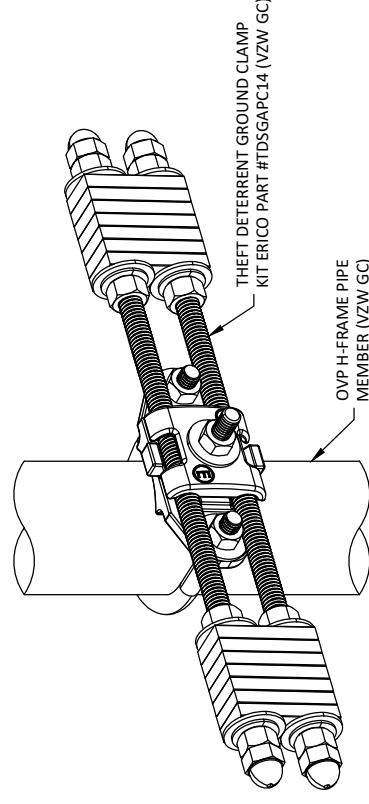
SCALE: N.T.S. (BY VZW GC)



GROUND LUG TO BASEPLATE INSTALLATION DETAIL

3
G-5

SCALE: N.T.S.



OVP GROUND ASSEMBLY (OGA)

4
G-5

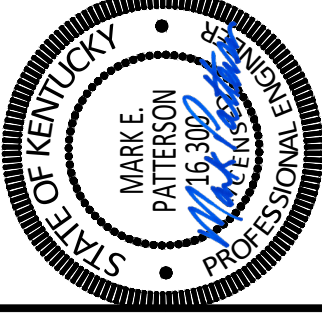
SCALE: N.T.S. (BY VZW GC)



CELLCO PARTNERSHIP
D/B/A



03/21/2023



EN PERMIT: 3594

**CONSTRUCTION
DRAWINGS**

REV.	DATE	DESCRIPTION
A	3-9-23	ISSUED FOR REVIEW
0	3-21-23	ISSUED AS FINAL

SITE INFORMATION:

LV GRAYS KNOB

114 BLANTON DR
HARLAN, KY 40831
HARLAN COUNTY

APPALACHIAN WIRELESS SITE NAME:

DRESSEN

POD NUMBER: 22-130589

DRAWN BY: POD
CHECKED BY: MEP
DATE: 10.14.22

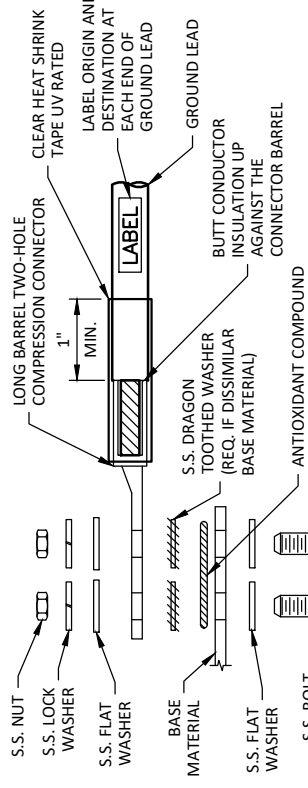
SHEET TITLE:

**GROUNDING
DETAILS**

SHEET NUMBER:

G-5

1. ALL HARDWARE SHALL BE 18-8 STAINLESS STEEL. CHOOSE BOLT LENGTH TO ALLOW EXPOSURE OF AT LEAST TWO THREADS.
2. BACK TO BACK LUG CONNECTIONS ARE ACCEPTABLE WHEN BONDED TO A GROUND BAR OR STEEL OBJECT.
3. AT CONNECTIONS MADE TO STEEL OR ANY OTHER DISSIMILAR METALS, A DRAGON TOOTH WASHER SHALL BE USED BETWEEN THE CONNECTOR AND METAL.
4. IF NO DRAGON TOOTH WASHER IS USED, THOROUGHLY REMOVE A SECTION OF THE COATING APPROXIMATELY THE SIZE OF THE CONNECTOR WITH AN ABRASIVE STYLE TOOL.
5. NO-OX-ID ANTI-OXIDATION COMPOUND (SANCHEM) SHALL BE USED AT ALL COPPER TO COPPER CONNECTIONS.
6. A ZINC BASED (GRAY COLORED) ANTI-OXIDATION COMPOUND SHALL BE USED AT ALL COPPER TO STEEL CONNECTIONS.
7. PENTROX OR EQUAL ANTI-OXIDATION COMPOUND SHALL BE USED AT ALL COPPER TO ALUMINUM CONNECTIONS.



GROUND LUG INSTALLATION DETAIL

2
G-5

SCALE: N.T.S.

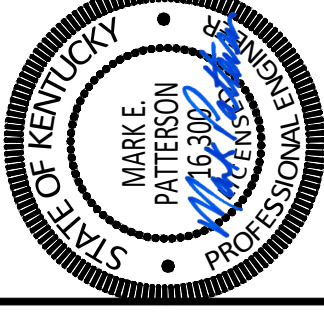
1. ALL HARDWARE SHALL BE 18-8 STAINLESS STEEL.
2. INSTALL ANCHOR LENGTH TO ALLOW EXPOSURE OF AT LEAST TWO THREADS.
3. AT CONNECTIONS MADE TO STEEL OR ANY OTHER DISSIMILAR METALS, A DRAGON TOOTH WASHER SHALL BE USED BETWEEN THE CONNECTOR AND METAL.
4. IF NO DRAGON TOOTH WASHER IS USED, THOROUGHLY REMOVE A SECTION OF THE COATING APPROXIMATELY THE SIZE OF THE CONNECTOR WITH AN ABRASIVE STYLE TOOL.
5. NO-OX-ID ANTI-OXIDATION COMPOUND (SANCHEM) SHALL BE USED AT ALL COPPER TO COPPER CONNECTIONS.
6. A ZINC BASED (GRAY COLORED) ANTI-OXIDATION COMPOUND SHALL BE USED AT ALL COPPER TO STEEL CONNECTIONS.
7. PENTROX OR EQUAL ANTI-OXIDATION COMPOUND SHALL BE USED AT ALL COPPER TO ALUMINUM CONNECTIONS.



CELLCO PARTNERSHIP
D/B/A



03/21/2023



EN PERMIT: 3594

CONSTRUCTION DRAWINGS

REV.	DATE	DESCRIPTION
A	3-9-23	ISSUED FOR REVIEW
0	3-21-23	ISSUED AS FINAL

SITE INFORMATION:

LV GRAYS KNOB

114 BLANTON DR
HARLAN, KY 40831
HARLAN COUNTY

APPALACHIAN WIRELESS SITE NAME:

DRESSEN

POD NUMBER: 22-130589

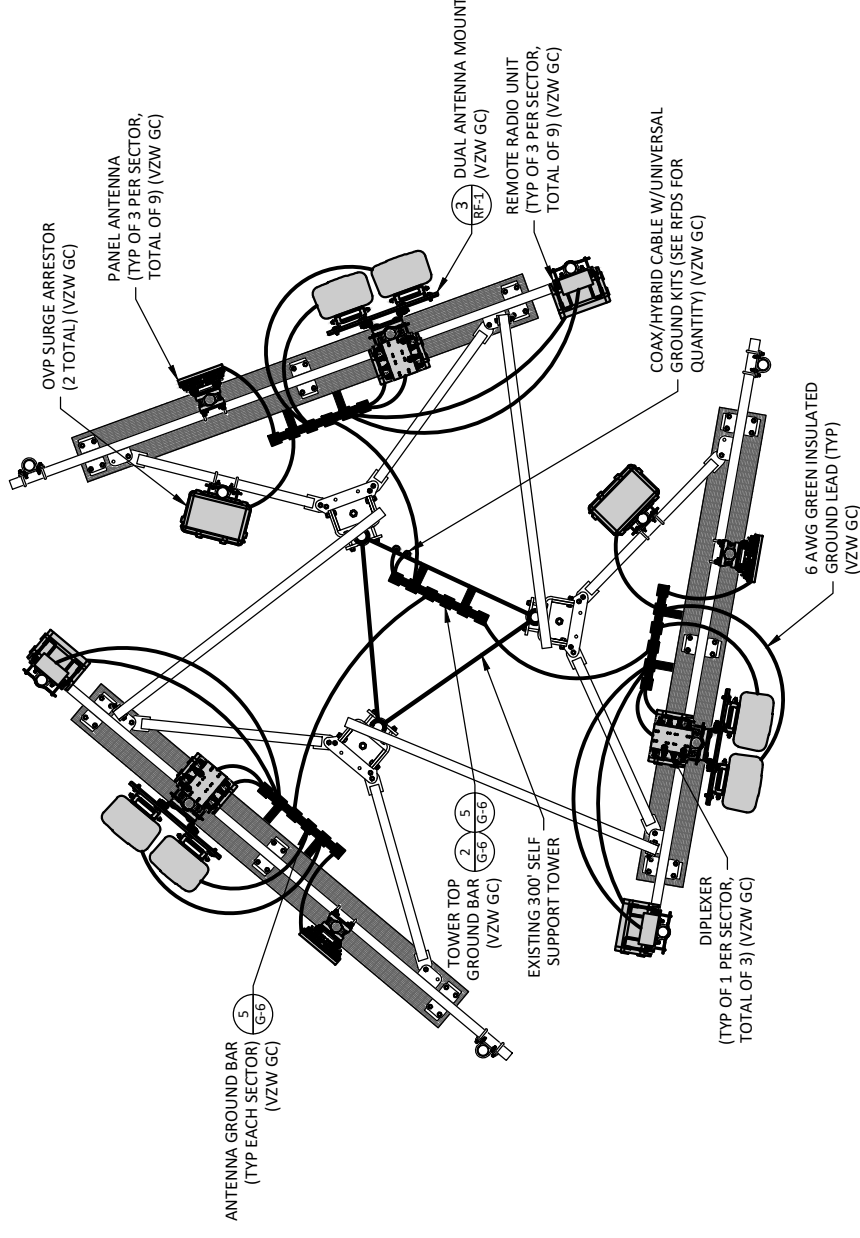
DRAWN BY: POD
CHECKED BY: MEP
DATE: 10.14.22

SHEET TITLE:

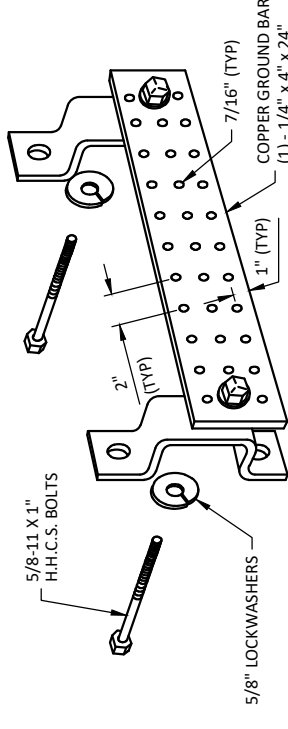
GROUNDING DETAILS

SHEET NUMBER:

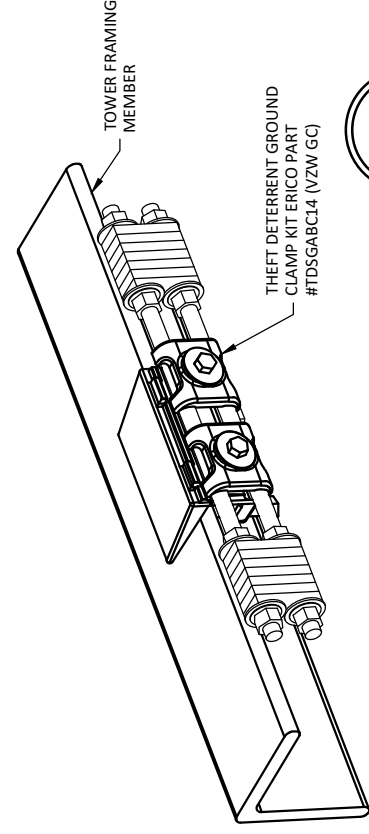
G-6



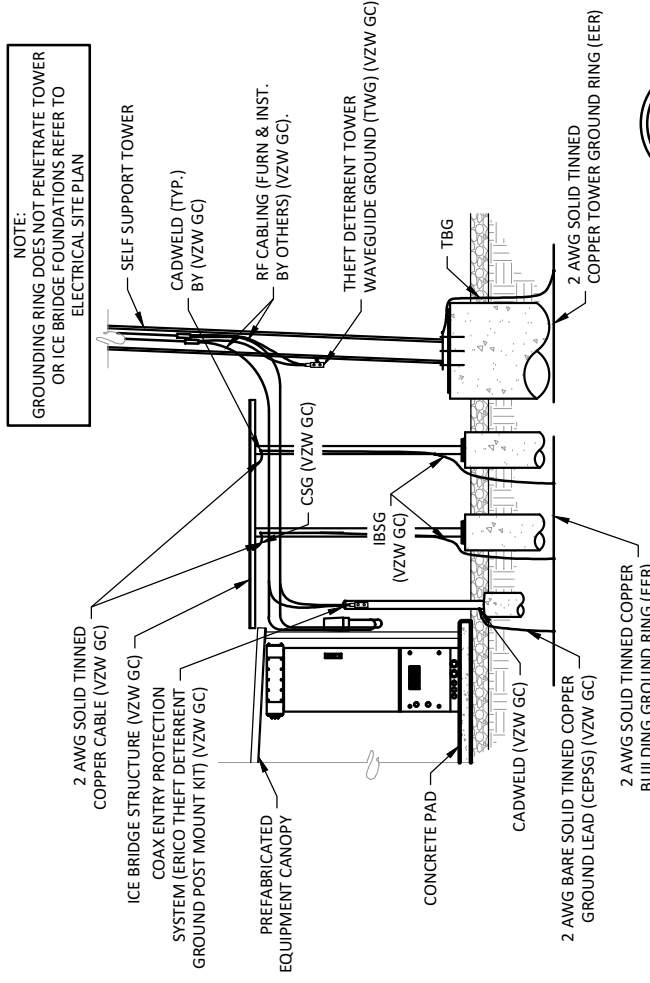
ANTENNA LEVEL GROUNDING PLAN
SCALE: N.T.S.



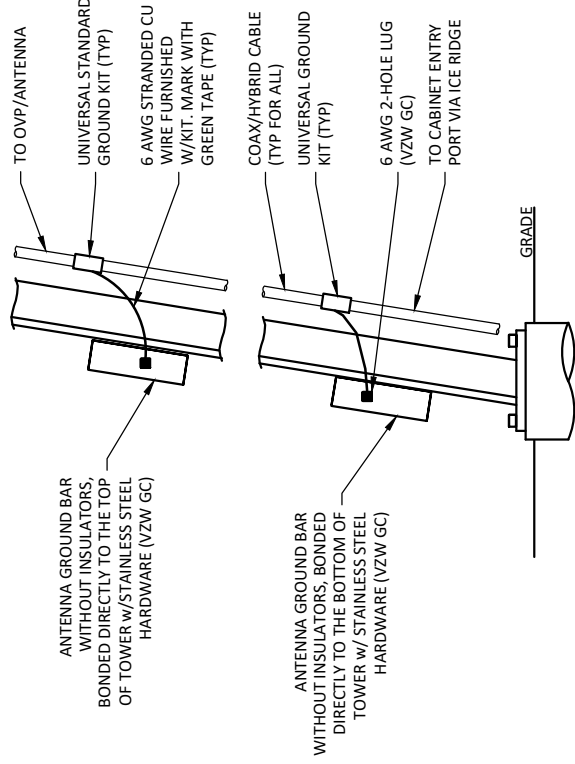
ANTENNA, TOWER TOP & INTERMEDIATE GROUND BAR
SCALE: N.T.S. (BY VZW GC)



TOWER BOTTOM GROUND ASSEMBLY
SCALE: N.T.S. (BY VZW GC)



INTERIOR/EXTERIOR GROUNDING DETAIL
SCALE: N.T.S.



- NOTE:**
- NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATIONS AND CONNECTION ORIENTATION. PROVIDE AS REQUIRED (VZW GC)
 - INSTALL UNIVERSAL GROUND KITS AT ALL GROUND BAR LOCATIONS. (VZW GC)

ANTENNA CABLE GROUNDING INSTALLATION DETAIL
SCALE: N.T.S.

TOWER BOTTOM GROUND ASSEMBLY
SCALE: N.T.S. (BY VZW GC)

ANTENNA, TOWER TOP & INTERMEDIATE GROUND BAR
SCALE: N.T.S. (BY VZW GC)

ANTENNA LEVEL GROUNDING PLAN
SCALE: N.T.S.

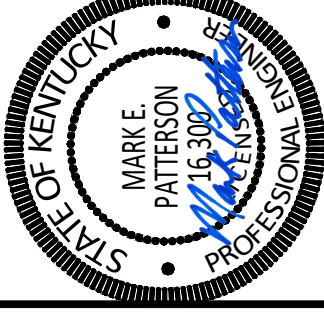
INTERIOR/EXTERIOR GROUNDING DETAIL
SCALE: N.T.S.



CELLCO PARTNERSHIP
D/B/A



03/21/2023



EN PERMIT: 3594

CONSTRUCTION DRAWINGS

REV.	DATE	DESCRIPTION
A	3-9-23	ISSUED FOR REVIEW
0	3-21-23	ISSUED AS FINAL

SITE INFORMATION:

LV GRAYS KNOB

114 BLANTON DR
HARLAN, KY 40831
HARLAN COUNTY

APPALACHIAN WIRELESS SITE NAME:

DRESSEN

POD NUMBER: 22-130589

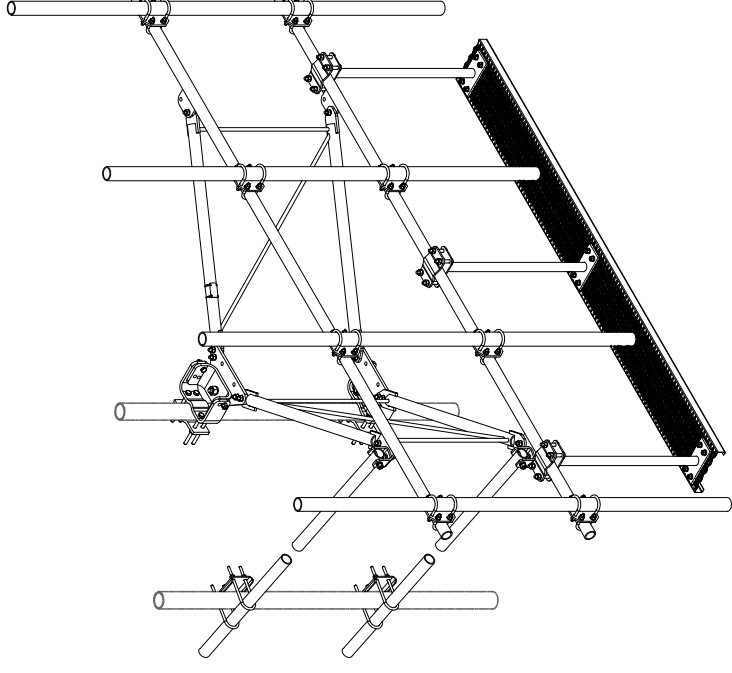
DRAWN BY: POD
CHECKED BY: MEP
DATE: 10.14.22

SHEET TITLE:

ANTENNA PLAN AND DETAILS

REFERENCE ONLY
SHEET NUMBER:

RF-1



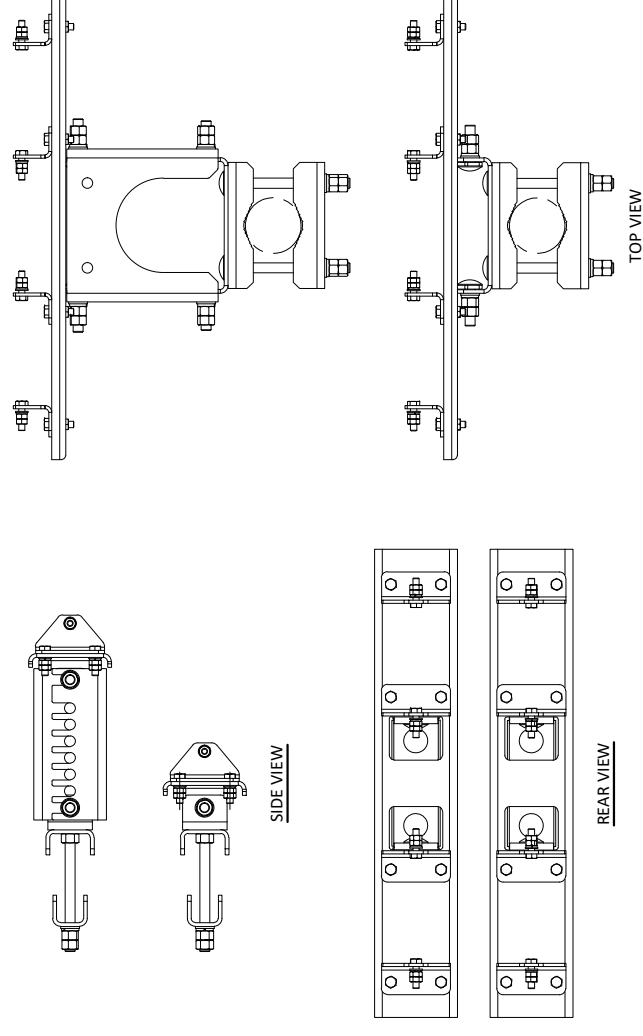
MANUFACTURER: SABRE
MODEL: C10857007C-4108-278W (TYP. OF 3)
WEIGHT: 929 LBS EACH (TOTAL 2,787 LBS)

ANTENNA MOUNTING STRUCTURE DETAIL

2

RF-1

SCALE: N.T.S. (BY VZW GC)



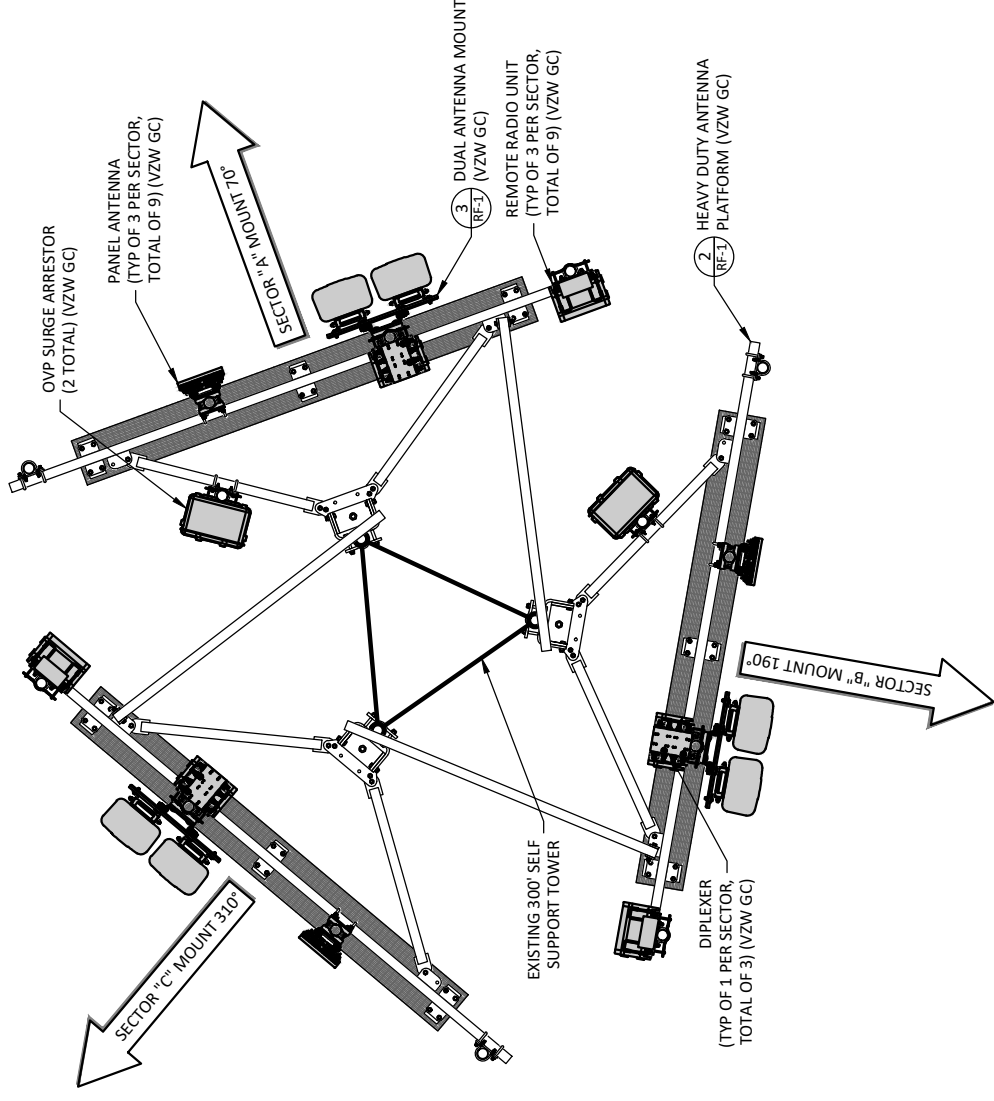
BSAMNT-SBS-2-2

SIDE BY SIDE ANTENNA MOUNT DETAIL

4

RF-1

SCALE: N.T.S. (BY VZW GC)



ANTENNA PLAN LEGEND				
SECTOR	ANTENNA POSITION	TECHNOLOGY	AZIMUTH	ANTENNA RAD CENTER
ALPHA	B	C-BAND	70	230'
ALPHA	C	LTE-700/800/PCS	70	230'
ALPHA	C	LTE-700/800/AWS	70	230'
BETA	F	C-BAND	190	230'
BETA	G	LTE-700/800/PCS	190	230'
BETA	G	LTE-700/800/AWS	190	230'
GAMMA	J	C-BAND	310	230'
GAMMA	K	LTE-700/800/PCS	310	230'
GAMMA	K	LTE-700/800/AWS	310	230'

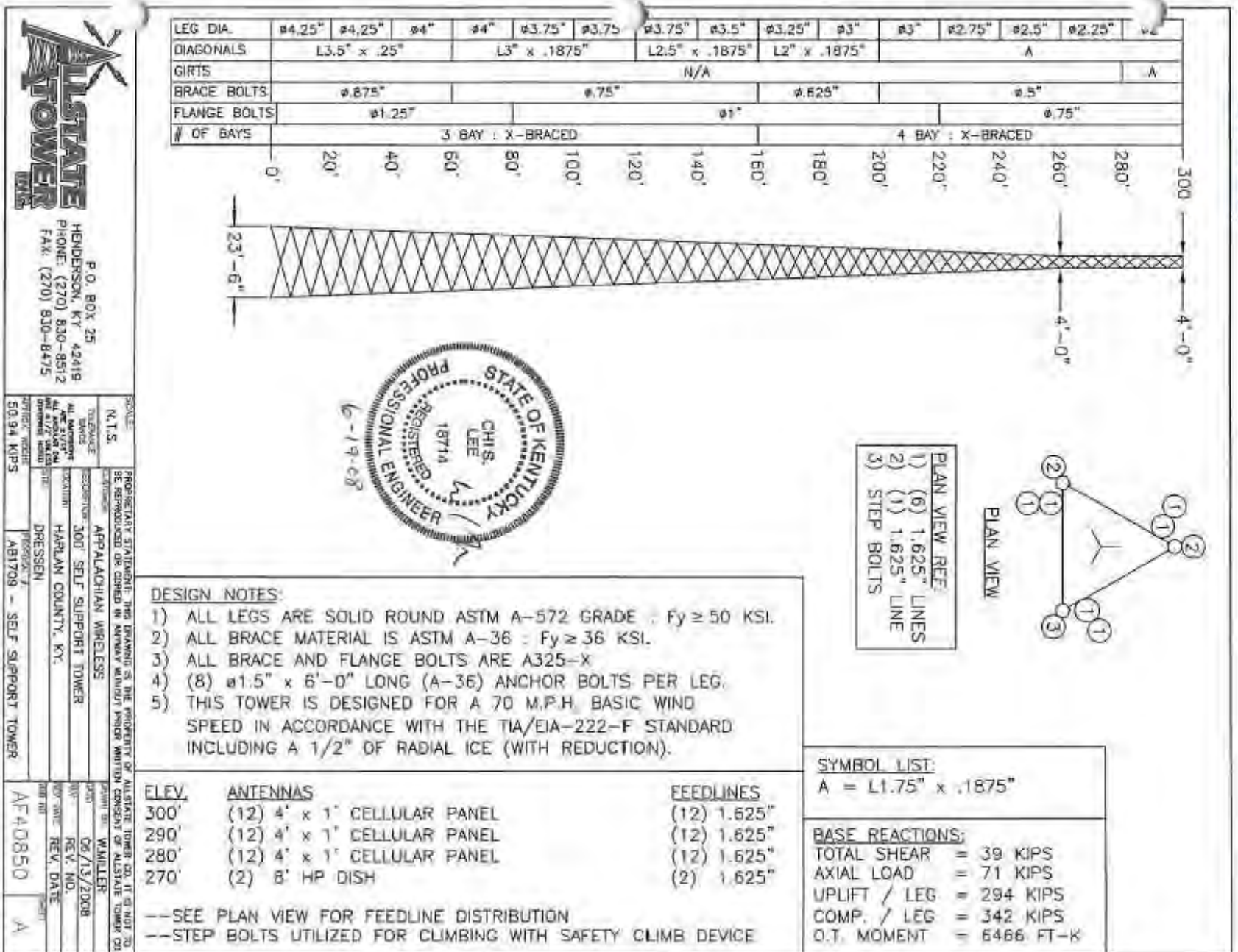
NOTE: ANTENNA INSTALLER SHALL UTILIZE VERIZON RFDS FOR FINAL CONFIGURATION. SEE VERIZON CONSTRUCTION MANAGER.

ANTENNA PLAN

1

RF-1

SCALE: N.T.S. (BY VZW GC)



ALLSTATE TOWER
 P.O. BOX 25
 HENDERSON, KY 42419
 PHONE: (270) 830-8512
 FAX: (270) 830-8475



SCALE	N.T.S.	PROPRIETARY STATEMENT: THIS DRAWING IS THE PROPERTY OF ALLSTATE TOWER CO. IT IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT WRITTEN CONSENT OF ALLSTATE TOWER CO.
TOWER TYPE	APPALACHIAN WIRELESS	
DESIGNER	300' SELF SUPPORT TOWER	
ENGINEER	HARLAN COUNTY, KY.	
PROJECT NO.	DRESSEN	
PROJECT NAME	AB709 - SELF SUPPORT TOWER	
PROJECT LOCATION		
PROJECT CLIENT		
PROJECT NO.	AF40850	
PROJECT NAME		
PROJECT LOCATION		
PROJECT CLIENT		

TOWER ELEVATION
 SCALE: N.T.S.
TW-1

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

CELLCO PARTNERSHIP
 D/B/A
verizon

CONSTRUCTION DRAWINGS

REV.	DATE	DESCRIPTION
A	3.9.23	ISSUED FOR REVIEW
0	3.21.23	ISSUED AS FINAL

SITE INFORMATION:
LV GRAYS KNOB
 114 BLANTON DR
 HARLAN, KY 40831
 HARLAN COUNTY

APPALACHIAN WIRELESS SITE NAME:
DRESSEN
 POD NUMBER: 22-130589

DRAWN BY: POD
 CHECKED BY: MEP
 DATE: 10.14.22

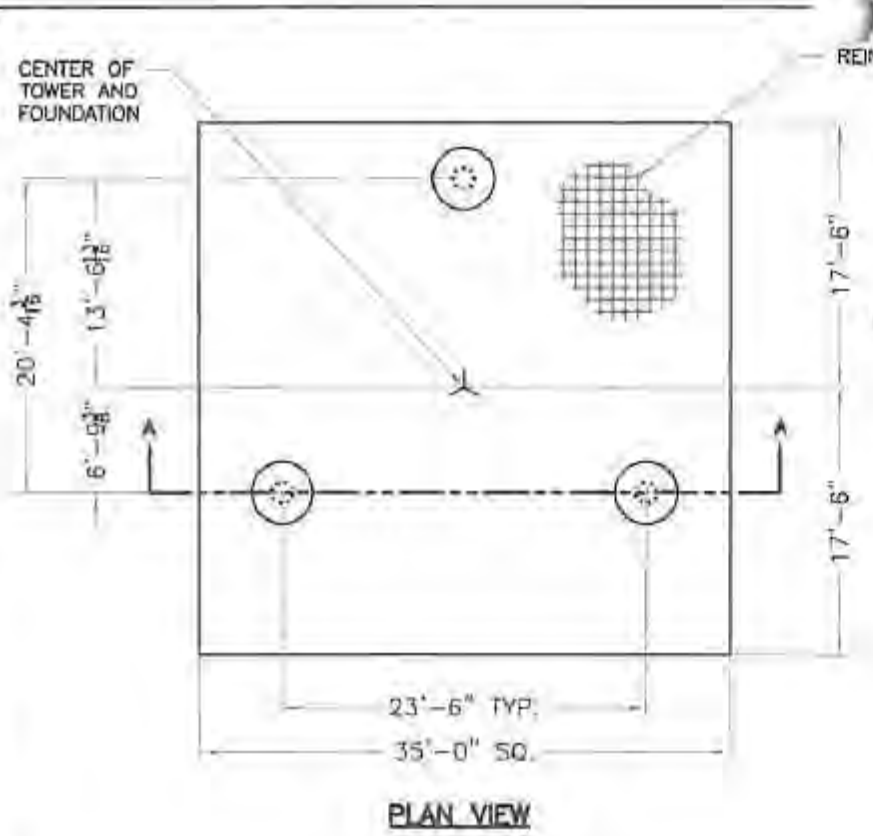
SHEET TITLE:
TOWER DETAILS

REFERENCE ONLY
 SHEET NUMBER:
TW-1



ALLSTATE TOWER
 HENDERSON, KY 42419
 PHONE: (270) 830-8512
 FAX: (270) 830-8475

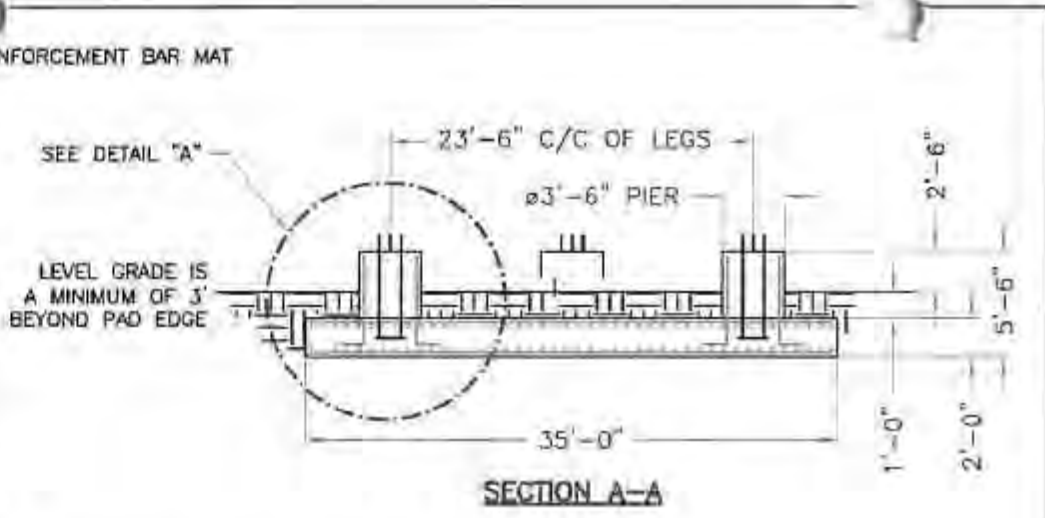
SCALE: N.T.S.	TOLERANCE: AS SHOWN
DESIGNER: J.B.	DATE: 06/18/2008
PROJECT: APPALACHIAN WIRELESS	REV. NO.:
SUBJECT: PAD/PIER FOUNDATION DESIGN	REV. DATE:
LOCATION: HARLAN COUNTY, KY.	REV. DATE:
DESIGNER: DRESSEN	PROJECT NO.:
PROJECT NO. AB1709 - SELF SUPPORT TOWER	PROJECT NO. AF40850
	SHEET: B



PLAN VIEW

TOTAL VOLUME OF CONCRETE = 94-1/2 YD³

- FOUNDATION INSTALLATION/DESIGN NOTES:**
1. THIS FOUNDATION IS DESIGNED TO MEET ALL STANDARDS SET FORTH BY ACI 318: AMERICAN CONCRETE INSTITUTE, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ANSI/TIA/EIA 222-F: STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES.
 2. THIS FOUNDATION IS DESIGNED UTILIZING THE GEOTECHNICAL REPORT PERFORMED BY WENDELL R. HOLMES, P.G.; DATED 6-6-08; THE FOUNDATION CONTRACTOR SHALL INSTALL THE FOUNDATIONS IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.
 3. ALL WORK PERFORMED FROM THESE DRAWINGS SHOULD BE BY QUALIFIED CONTRACTORS EXPERIENCED IN TOWER FOUNDATION CONSTRUCTION.
 4. ALL FOOTING EXCAVATIONS SHALL BE MANUALLY CLEANED PRIOR TO PLACING CONCRETE. COMPACT THE EXPOSED SOIL SURFACE AND ANY GRANULAR FILL UNDER THE FOUNDATION TO 95% OF THE MODIFIED PROCTOR DENSITY.
 5. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AFTER 28 DAYS. COPIES OF THE CONCRETE CYLINDER TEST REPORTS SHALL BE SENT TO THE RESIDENT ENGINEER / INSPECTOR.
 6. MINIMUM CONCRETE COVER FOR REINFORCING BARS SHALL BE 3".
 7. FIELD BENDING OR WELDING OF REINFORCEMENT BARS IS NOT PERMITTED.
 8. PROVIDE CHAMFERS AT ALL EXPOSED CORNERS OF CONCRETE.
 9. BACKFILL NEAR AND AROUND THE FOUNDATIONS SHALL BE A WELL GRADED FILL MATERIAL PLACED IN 6" THICK LAYERS THAT HAS BEEN COMPACTED TO 95% OF THE MODIFIED PROCTOR DENSITY PER ASTM D1557.
 10. SOME DETAIL HAS BEEN PURPOSELY OMITTED TO CLARIFY ILLUSTRATION.

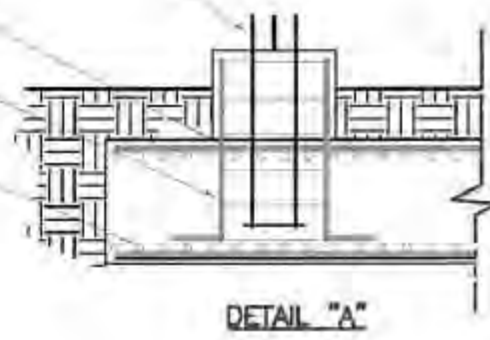


(8) ø1-1/2" X 6'-0" OVERALL LENGTH ANCHOR BOLTS W/ 3/4" THK BEARING PLATE AT THE BOTTOM OF THE ANCHOR BOLT CLUSTER (5' MIN. ANCHOR BOLT EMBEDMENT).

USE EPOXY BONDING AGENT WHEN POURED SEPERATELY

(10) #9 VERTICAL BARS W/ #4 TIES AT 12" ON CENTER

(42) #9 HORIZONTAL BARS X 34'-6" LONG EQUALLY SPACED EACH WAY AT TOP AND BOTTOM OF MAT. (TOTAL = 168)



- REINFORCEMENT BAR SPLICING:**
1. ALL LAP SPLICES SHALL CONFORM TO ACI 318 REQUIREMENTS.
 2. REFER TO CHART BELOW WHEN REINFORCEMENT BAR SPLICING IS NECESSARY.

REINFORCING BAR SIZE	LAP SPLICE LENGTH
3	15"
4	17"
5	21"
6	26"
7	30"
8	36"
9	46"
10	58"
11	71"




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

CELLCO PARTNERSHIP
 D/B/A


CONSTRUCTION DRAWINGS

REV.	DATE	DESCRIPTION
A	3.9.23	ISSUED FOR REVIEW
0	3.21.23	ISSUED AS FINAL

SITE INFORMATION:
LV GRAYS KNOB
 114 BLANTON DR
 HARLAN, KY 40831
 HARLAN COUNTY

APPALACHIAN WIRELESS SITE NAME:
DRESSEN

POD NUMBER: 22-130589
 DRAWN BY: POD
 CHECKED BY: MEP
 DATE: 10.14.22

SHEET TITLE:

TOWER DETAILS

REFERENCE ONLY
 SHEET NUMBER:
TW-2

Megan Webb

From: PSC Executive Director <PSCED@ky.gov>
Sent: Friday, April 14, 2023 12:13 PM
To: Elizabeth Bentz Williams
Cc: Bridwell, Linda C (PSC); Hembree, Aimee M (PSC); Smith, Renee C (PSC)
Subject: RE: Verizon Co-location Notification

We have received your above referenced filing. If you need further assistance please contact us.

Best Regards,

Brandon Bruner

Administrative Branch Manager
Filings Branch
General Administration

Kentucky Public Service Commission
211 Sower Blvd.
Frankfort, KY 40601
502-782-6329

From: Elizabeth Bentz Williams <ewilliams@clarkquinnlaw.com>
Sent: Friday, April 14, 2023 12:05 PM
To: PSC Executive Director <PSCED@ky.gov>
Subject: Verizon Co-location Notification

****CAUTION** PDF attachments may contain links to malicious sites. Please contact the COT Service Desk ServiceCorrespondence@ky.gov for any assistance.**

Good afternoon,

With this email I have attached the Notice of Co-Location.

Cellco Partnership, d/b/a Verizon Wireless propose to construct to co-locate on an existing wireless communications facility on a site located at 114 Blanton Drive, Harlan KY. The tower was originally approved by order 2008-00266 to East Kentucky Network, LLC d/b/a Appalachian Wireless. Verizon Wireless would propose to add equipment at the 230' centerline of the 300' tower and related ground facilities. Site name Gray Knob.

Please let me know if you need anything else from me.

Thank you,
Elizabeth Williams

Elizabeth Bentz Williams, AICP

320 N. Meridian Street, Suite 1100

Indianapolis, IN 46204

317.637.1321 Phone 306 Extension 317.687.2344 Fax

ebw@clarkquinnlaw.com

www.clarkquinnlaw.com



Confidentiality Notice:

The materials in this electronic mail transmission (including all attachments) are private and confidential and are the property of the sender. The information contained in the material is privileged and is intended only for the use of the named addressee(s). If you are not the intended addressee, be advised that any unauthorized disclosure, copying, distribution or the taking of any action in reliance on the contents of this material is strictly prohibited. If you have received the contents of this electronic mail transmission in error, please immediately notify the sender by telephone at (317) 637-1321 or send an electronic message to ewilliams@clarkquinnlaw.com, and thereafter, destroy it immediately.

STATE OF INDIANA)
) SS:
COUNTY OF MARION)

**AFFIDAVIT OF CERTIFICATION
COMMONWEALTH OF KENTUCKY
PUBLIC SERVICE COMMISSION**

I Russell L. Brown, attorney for Cellco Partnership, d/b/a Verizon Wireless do hereby certify that as the person supervising the preparation of this withdrawal request, that the all statements and information contained herein are true and accurate to the best of that person’s knowledge, information, and belief formed after a reasonable inquiry for all information within this application.



Russell L. Brown
Attorney, for Cellco Partnership, d/b/a Verizon Wireless

STATE OF INDIANA,
COUNTY OF MARION, SS:

Subscribed and sworn to before me this 9th day of 2023.



Notary Public



Printed Name of Notary: Elizabeth Bentz Williams
My commission expires: November 18, 2028
My County of Residence: Marion
Commission #: 0639620