

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

In the Matter of:

THE APPLICATION OF)	
NEW CINGULAR WIRELESS PCS, LLC,)	
A DELAWARE LIMITED LIABILITY COMPANY,)	
D/B/A AT&T MOBILITY)	
AND TILLMAN INFRASTRUCTURE LLC, A DELAWARE)	
LIMITED LIABILITY COMPANY)	
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC)	CASE NO.: 2021-00416
CONVENIENCE AND NECESSITY TO CONSTRUCT)	
A WIRELESS COMMUNICATIONS FACILITY)	
IN THE COMMONWEALTH OF KENTUCKY)	
IN THE COUNTY OF GRAVES)	

SITE NAME: SEDALIA

* * * * *

APPLICANTS' RESPONSE TO DEFICIENCY LETTER

New Cingular Wireless PCS, LLC, a Delaware limited liability company, d/b/a AT&T Mobility and Tillman Infrastructure LLC, a Delaware limited liability company ("Applicants"), by counsel, make this Response to the Kentucky Public Service Commission's ("PSC") Deficiency Letter dated November 8, 2021 ("Deficiency Letter"). Applicants respectfully state, as follows:

1. As referenced in paragraph 1 of the Deficiency Letter, Tillman Infrastructure's Certificate of Authority was temporarily revoked due to a delay in filing its Annual Report with the Kentucky Secretary of State. The Annual Report has since been filed and Tillman Infrastructure's Certificate of Authority has been reinstated. The Replacement Certificate of Authority is attached as **Exhibit A-1**.

2. Paragraph 2 of the Deficiency Letter, states that pages 76-79 of the Application are not legible. This defect was likely the result of downsizing of the application file to

meet the file size limitation for the PSC's Electronic Filing System. A full-size copy of the Site Plan is attached as part of **Exhibit B-1**. Drawings C3 and C3.1 identify structures and landowners within 500' of the proposed tower and were previously filed as **Exhibit B** to the application for a Certificate of Public Convenience and Necessity ("CPCN") and are re-filed here as part of **Exhibit B-1**.

3. Paragraph 3 of the Deficiency Letter states that "[t]here are no copies of the letters or post office certifications sent to the homeowners." A copy of the letter sent to landowners was included as part of **Exhibit K** of the Application. The name and address of every landowner who received notice was included as part of **Exhibit J** of the Application. Further, 807 KAR 5:063 Section 1 (L) requires the Application to contain "**A statement** that every person who, according to property valuation administrator's records, owns property within 500 feet of the proposed tower has been notified by certified mail, return receipt requested, of the proposed construction." (emphasis added). It does not require that copies of the letter or post office certifications be provided. Return certifications are not available immediately after dispatch and would be impossible to include at the time of filing. Applicants object to this additional requirement being imposed. As an accommodation, not as required by law, and under protest, the Applicants have provided copies of the post office certifications for each landowner as part of **Exhibit J-1**. It should be noted that hundreds of CPCNs have been issued for similar proposals filed by the undersigned without requiring submission of similar certifications, and similar requests in connection with future sites will delay the deployment of infrastructure that is critical to daily life and development in Kentucky's communities.

4. Paragraph 4 of the Deficiency Letter states the following:

There are two property owners that were incorrectly identified on the mailings, parcel D2 and Q1; There also appears to be a portion of property adjacent to U1 that appears to be within 500 ft. There are several property owners along Highway 381 that did not receive any notice and it is difficult to determine whether they are within 200 ft of the access road.

5. As further explained below, no landowners entitled to notice of the proposal have been omitted. The Q1 (parcel #109.01.00.020.00) parcel owners' names are merely presented with the surname last on the 500' and Abutters map. The Q1 landowner referenced on the notice list (**Exhibit J** of the CPCN application) is identical to the landowner identified in the County's PVA records. Regarding Parcel D2 (parcel #109.00.00.031.00), the landowner identified on the 500' and Abutters map match the landowner referenced on the Landowner Notice List and County PVA records. The property adjacent to the U1 parcel (parcel #109.01.00.026.00 according to the county's PVA records) identified on the Deficiency Letter as being within the 500' radius is also owned by the U1 parcel owner and said owner received notice of the proposed construction. Copies of the county's online PVA records for each of these parcels is attached as **Exhibit J-2**.

6. Further regarding paragraph 4 of the deficiency letter and the properties located along Highway 381, 807 KAR 5:063 Section 1(1)(h) requires that all easements and existing structures within 500' of the site and 200' of the access drive be identified. Applicable regulations require that landowners and structures within 500' of the proposed tower are identified (807 KAR 5:063 Section 1(1)(k)), and the Applicants are required to make a statement confirming that notice has been given to all landowners within 500' of the proposed tower (807 KAR 5:063 Section 1(1)(l)1-3). In contrast, no regulation requires notice to property owners adjoining or within a particular distance of an access

easement. The previously filed CPCN application complies with these requirements. Further, the access drive is clearly depicted on the 500' and Abutters Map, and a scale is provided to determine what properties are located within 200' of the access drive. In this instance, the Applicants have provided notice of construction to all landowners located within 200' of the access drive as a voluntary accommodation not required by law, and these landowners are included on the notice list submitted as **Exhibit J** of the filed application for a CPCN.

7. Paragraph 5 of the Deficiency Letter states that “the company provided no proof of publication of the newspaper.” However, 807 KAR 5:063 Section 1(1)(q) only requires “[a] **statement** that notice of the location of the proposed construction has been published in a newspaper of general circulation in the county in which the construction is proposed.” (emphasis added). It does not require that proof of this publication be provided. A copy of the newspaper publication or tearsheet affidavit is not immediately available at the time of submission and, as a practical matter, can take weeks before receipt. Therefore, it would be impossible to include the requested information at the time of filing. Applicants object to this additional requirement being imposed. As an accommodation, not as required by law, and under protest, Applicants have provided a copy of the newspaper publication for the proposed construction as part of **Exhibit M-1**. It should be noted that hundreds of CPCNs have been issued for similar proposals filed by the undersigned without requiring submission of similar documentation, and similar requests in connection with future sites will delay the deployment of infrastructure that is critical to daily life and development in Kentucky’s communities. Applicants see no rational basis for treating their new applications differently from their past applications and past applications of other

wireless carriers. Such an impactful change in review procedures should only be adopted by regulatory amendment.

8. The U.S. Congress in adopting the Telecommunications Act of 1996 in the Act's preamble recognized the importance of the "rapid deployment of new telecommunications technologies."¹ (Emphasis added). Moreover, it is agency regulations, not ad hoc requirements, which establish substantial evidence in support of a wireless permitting decision. *Cellco Partnership v. Franklin County, et al*, 553 F. Supp. 2d 838, 845-846 (E.D. Ky. 2008). Establishing filing and/or review criteria beyond adopted regulations which serve to delay filing and processing of wireless facility applications is inconsistent with the longstanding practice of the PSC and federal telecommunications law, precedent, and policy.

¹ See 1996 federal Telecommunications Act preamble, 110 Stat. 56.

WHEREFORE, there being no ground for denial of the subject application and substantial evidence in support of the requested CPCN, Applicants respectfully request the Kentucky Public Service Commission:

- (a) Accept this Response for filing;
- (b) Issue a No Deficiency Letter;
- (c) Issue a Certificate of Public Convenience and Necessity to construct and operate the WCF at the location set forth herein without further delay; and
- (d) Grant Applicants any other relief to which they are entitled.

Respectfully submitted,



David A. Pike
Pike Legal Group, PLLC
1578 Highway 44 East, Suite 6
P. O. Box 369
Shepherdsville, KY 40165-0369
Telephone: (502) 955-4400
Telefax: (502) 543-4410
Email: dpike@pikelegal.com
Attorney for Applicants

LIST OF EXHIBITS

- A-1 - Replacement Certificate of Authority
- B-1 - Full Size Site Development Plan
- J-1 - Post Office Certifications for Notice Letters
- J-2 - Graves County PVA Records for
Parcel #109.01.00.020.00 (Adjoiner Q1)
Parcel #109.00.00.031.00 (Adjoiner D2)
Parcel #109.01.00.026.00
- M-1 - Newspaper Notice Advertisement Publication

EXHIBIT A-1
REPLACEMENT CERTIFICATE OF AUTHORITY

Michael G. Adams
Kentucky Secretary of State
Received and Filed:
11/18/2021 10:04 AM
Fee Receipt: \$148.00



COMMONWEALTH OF KENTUCKY
MICHAEL G. ADAMS, SECRETARY OF STATE

Division of Business Filings P.O. Box 718 Frankfort, KY 40602 (502) 564-3490 www.sos.ky.gov	Certificate of Authority (Foreign Business Entity)	FBE
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Pursuant to the provisions of KRS 14A – 030 the undersigned hereby applies for authority to transact business in Kentucky on behalf of the entity named below and, for that purpose, submits the following statements:

1. The entity is a:

<input checked="" type="checkbox"/> profit corporation	<input type="checkbox"/> nonprofit corporation	<input type="checkbox"/> professional limited liability company
<input type="checkbox"/> business trust	<input checked="" type="checkbox"/> limited liability company	<input type="checkbox"/> statutory trust
<input type="checkbox"/> limited partnership	<input type="checkbox"/> ltd cooperative association	<input type="checkbox"/> other
<input type="checkbox"/> non-profit llc	<input type="checkbox"/> professional service corporation	

2. The name of the entity is TILLMAN INFRASTRUCTURE LLC
(The name must be identical to the name on record with the Secretary of State.)

3. The name of the entity to be used in Kentucky is (if applicable): _____
(Only provide if "real name" is unavailable for use; otherwise, leave blank.)

4. The state or country under whose law the entity is organized is DELAWARE

5. The date of organization is JUNE 13, 2016 and the period of duration is PERPETUAL
(If left blank, duration is considered perpetual.)

6. The mailing address of the entity's principal office is

<u>152 W 57TH STREET</u>	<u>NEW YORK</u>	<u>NY</u>	<u>10019</u>
Street Address	City	State	Zip Code

7. The street address of the entity's registered office in Kentucky is

<u>421 WEST MAIN ST</u>	<u>FRANKFORT</u>	<u>KY</u>	<u>40601</u>
Street Address (No P.O. Box Numbers)	City	State	Zip Code

and the name of the registered agent at that office is BLUMBERG CORPORATE SERVICES, LLC

8. The names and business addresses of the entity's representatives (secretary, officers and directors, managers, trustees or general partners):

Name	Street or P.O. Box	City	State	Zip Code
<u>SURUCHI AHUJA</u>	<u>152 W 57TH STREET</u>	<u>NEW YORK</u>	<u>NY</u>	<u>10019</u>
<u>Name</u>	<u>Street or P.O. Box</u>	<u>City</u>	<u>State</u>	<u>Zip Code</u>
<u>Name</u>	<u>Street or P.O. Box</u>	<u>City</u>	<u>State</u>	<u>Zip Code</u>

9. If a professional service corporation, all the individual shareholders, not less than one half (1/2) of the directors, and all of the officers other than the secretary and treasurer are licensed in one or more states or territories of the United States or District of Columbia to render a professional service described in the statement of purposes of the corporation.

10. I certify that, as of the date of filing this application, the above-named entity validly exists under the laws of the jurisdiction of its formation.

11. If a limited partnership, it elects to be a limited liability limited partnership. Check the box if applicable:

12. If a limited liability company, check box if manager-managed:

13. This application will be effective upon filing.

<u></u>	<u>SURUCHI AHUJA, MANAGER</u>	<u>11/16/2021</u>
Signature of Authorized Representative	Printed Name & Title	Date

I, BLUMBERG CORPORATE SERVICES, LLC, consent to serve as the registered agent on behalf of the business entity.
Type/Print Name of Registered Agent

<u></u>	<u>JOSE MOJICA</u>	<u>ASSISTANT SECRETARY</u>	<u>11/16/2021</u>
Signature of Registered Agent	Printed Name	Title	Date

EXHIBIT B-1
FULL SIZE SITE DEVELOPMENT PLAN

PROJECT DESCRIPTION:

INSTALLATION OF A NEW SELF-SUPPORT TOWER, A NEW MULTI-TENANT UTILITY FRAME, & NEW AT&T EQUIPMENT PAD/EQUIPMENT WITHIN A NEW FENCED & GRAVELED COMPOUND. INSTALLATION OF NEW AT&T ANTENNAS ON NEW TOWER. NO WATER OR SEWER IS REQUIRED. THIS WILL BE AN UNMANNED FACILITY.

CODE COMPLIANCE:

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 CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING:

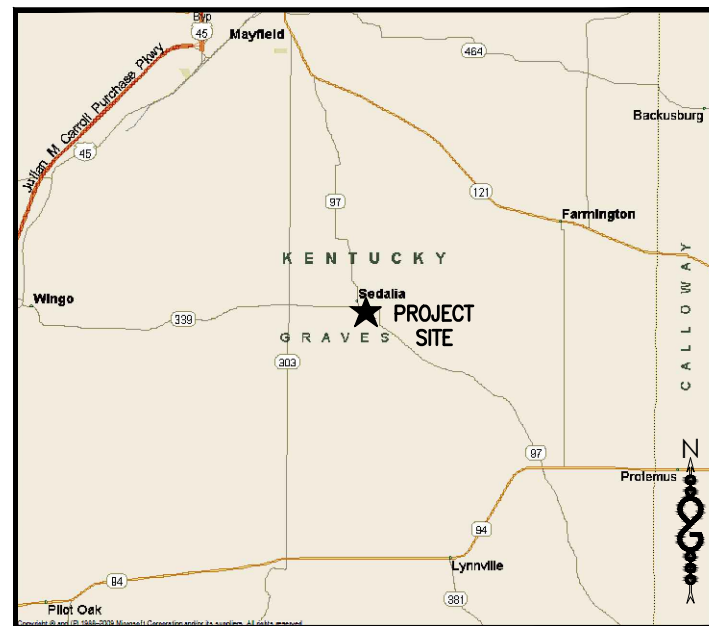
- | | |
|--|--|
| 1. 2015 INTERNATIONAL BUILDING CODE WITH KENTUCKY AMENDMENTS | 11. IEEE C2 NATIONAL ELECTRIC SAFETY CODE, LATEST EDITION |
| 2. 2017 NATIONAL ELECTRIC CODE | 12. TELECORDIA GR-1275 |
| 3. 2013 NFPA 101 LIFE SAFETY CODE | 13. ANSI/T 311 |
| 4. 2015 INTERNATIONAL FIRE CODE | 14. 2015 INTERNATIONAL MECHANICAL CODE WITH KENTUCKY AMENDMENTS |
| 5. AMERICAN CONCRETE INSTITUTE | 15. 2015 INTERNATIONAL PLUMBING CODE WITH KENTUCKY AMENDMENTS |
| 6. AMERICAN INSTITUTE OF STEEL CONSTRUCTION | 16. 2012 ENERGY CONSERVATION CODE IS MEANT FOR USE WITH THE KENTUCKY BUILDING CODE ONLY EXCLUDING R-2, R-3 AND R-4 CONSTRUCTION. |
| 7. MANUAL OF STEEL CONSTRUCTION, 13TH EDITION | 17. LOCAL BUILDING CODE |
| 8. ANSI/TIA/EIA-222-G | 18. CITY/COUNTY ORDINANCES |
| 9. TIA 607 | 19. STATE BUILDING CODE |
| 10. INSTITUTE FOR ELECTRICAL & ELECTRONICS ENGINEER 81 | |

DIG ALERT:

CALL FOR UNDERGROUND UTILITIES PRIOR TO DIGGING:
811

EMERGENCY:

CALL 911



VICINITY MAP
N.T.S.

PROJECT INFORMATION

SITE NAME: SEDALIA
 SITE NUMBER: TI-OPP-17997 - 15403957
 SITE ADDRESS: 230 STATE ROUTE 381
 SEDALIA, KY 42079
 PARCEL #: 109.01.00.022.01
 DEED REFERENCE: DB 516 PG 1
 GROUND ELEVATION: 517.9' A.M.S.L.
 STRUCTURE TYPE: SELF-SUPPORT TOWER
 STRUCTURE HEIGHT: 250'
 LATITUDE (NAD 83): 36° 38' 16.29" (36.637858°) N
 LONGITUDE: 88° 36' 09.62" (88.602672°) W



NEW SITE BUILD
TI-OPP-17997 - 15403957
SEDALIA
230 STATE ROUTE 381
SEDALIA, KY 42079
250' SELF-SUPPORT TOWER

APPROVAL	DATE	SIGNATURE
RF ENGINEER:		
RF MANAGER:		
OPPS MANAGER:		
CONSTR MANAGER:		
NSB MANAGER:		
TRANSPORT:		
EQUIP ENGINEER:		
COMPLIANCE:		
LANDLORD:		
SITE ACQUISITION:		
ZONING AGENT:		
PROJECT MANAGER:		
CONSTR MANAGER:		

REVIEWERS SHALL CLEARLY PLACE INITIALS ADJACENT TO EACH REDLINE NOTE AS DRAWINGS ARE BEING REVIEWED

DRAWING INDEX			
DRWG. #	TITLE	REV.#	DATE
T1	TITLE SHEET	0	11/03/21
S1-S3	SURVEY (BY OTHERS)	3	05/13/21
C1	GENERAL NOTES & LEGEND	0	11/03/21
C2	GENERAL NOTES	0	11/03/21
C3	500' RADIUS AND ABUTTERS MAP & ADDRESSES	0	11/03/21
C3.1	PARCEL KEY	0	11/03/21
C3.2	SITE PLAN	0	11/03/21
C4	COMPOUND PLAN	0	11/03/21
C5	TOWER ELEVATION	0	11/03/21
C6	EQUIPMENT PLATFORM LAYOUT & CONSTRUCTION DETAILS	0	11/03/21
C7	GENERATOR DETAIL	0	11/03/21
C8	UTILITY H-FRAME DETAILS	0	11/03/21
C9	CONSTRUCTION DETAILS	0	11/03/21
C10	ANTENNA PLAN	0	11/03/21
C10.1	DETAILS	0	11/03/21
C11	DC9 & ANTENNA SPECIFICATIONS	0	11/03/21
C12	RRU DETAILS	0	11/03/21
C13	SIGNAGE DETAILS	0	11/03/21
EC1	GRADING, EROSION & SEDIMENT CONTROL PLAN	0	11/03/21
EC2	GRADING, EROSION & SEDIMENT CONTROL NOTES & DETAILS	0	11/03/21
EC3	CIVIL DETAILS	0	11/03/21
E1	ELECTRICAL PLAN	0	11/03/21
E2	COMPOUND ELECTRICAL PLAN	0	11/03/21
E3	ELECTRICAL PANEL SCHEDULE, DIAGRAM, & NOTES	0	11/03/21
E4	TYPICAL DC/FIBER SYSTEM DIAGRAM	0	11/03/21
E5	TYPICAL DC WIRING DIAGRAM	0	11/03/21
G1	GROUNDING PLAN	0	11/03/21
G2	EQUIPMENT GROUNDING PLAN	0	11/03/21
G3	GROUNDING DETAILS & NOTES	0	11/03/21
G4	GROUNDING DETAILS	0	11/03/21
RF1-RF5	RFDS INFORMATION	0	11/03/21



LOCATION MAP
N.T.S.

PROJECT DIRECTORY

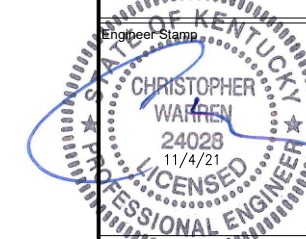
PARCEL OWNER(S): GREG AND MARTHA BOYD TRUST
 585 STATE ROUTE 339 EAST
 MAYFIELD, KY 42066
 APPLICANT/TOWER OWNER: TILLMAN INFRASTRUCTURE
 152 W. 57TH STREET
 NEW YORK, NY 10019
 ENGINEER: INFINIGY ENGINEERING, PLLC
 2255 SEWELL MILL ROAD
 SUITE 130
 MARIETTA, GA 30062
 CONTACT: PETER RYNER
 PHONE: (678) 444-4463
 POWER COMPANY: WEST KY RURAL ELECTRIC
 TELCO COMPANY: WK&T TELECOMMUNICATIONS



0	ISSUED FOR CONSTRUCTION	CES	11/03/21
B	ISSUED FOR REVIEW	CES	10/27/21
A	ISSUED FOR REVIEW	CES	09/28/21
No.	Submittal / Revision	App'd	Date

Project Number
2136-Z0001-C

Project Title
15403957
TI-OPP-17997
SEDALIA
230 STATE ROUTE 381
SEDALIA, KY 42079



Drawing Title
TITLE SHEET

Drawing Scale:
AS NOTED
Date:
09/28/21
CD

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF APPLICABLE STATE AND/OR LOCAL LAWS

Drawing Number
T1

GENERAL NOTES

* THIS SPECIFIC PURPOSE SURVEY IS FOR THE LEASED PREMISES AND EASEMENTS ONLY. THIS SPECIFIC PURPOSE SURVEY WAS PREPARED FOR THE EXCLUSIVE USE OF TILLMAN INFRASTRUCTURE, LLC AND EXCLUSIVELY FOR THE TRANSFERRAL OF THE LEASED PREMISES AND THE RIGHTS OF EASEMENT SHOWN HEREON AND SHALL NOT BE USED AS AN EXHIBIT OR EVIDENCE IN THE FEE SIMPLE TRANSFERRAL OF THE PARENT PARCEL NOR ANY PORTION OR PORTIONS THEREOF. BOUNDARY INFORMATION SHOWN HEREON HAS BEEN COMPILED FROM TAX MAPS AND DEED DESCRIPTIONS ONLY. NO BOUNDARY SURVEY OF THE PARENT PARCEL WAS PERFORMED.

THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY.

THE FIELD DATA UPON WHICH THIS SPECIFIC PURPOSE SURVEY IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 10,000+ FEET AND AN ANGULAR ERROR OF 5.0" PER ANGLE POINT AND WAS NOT ADJUSTED FOR CLOSURE.

EQUIPMENT USED FOR ANGULAR & LINEAR MEASUREMENTS: LEICA TPS 1200 ROBOTIC & GEOMAX ZENITH 35. (DATE OF LAST FIELD VISIT: 4/7/2021)

THE 1' CONTOURS AND SPOT ELEVATIONS SHOWN ON THIS SPECIFIC PURPOSE SURVEY ARE ADJUSTED TO NAVD 88 DATUM (COMPUTED USING GEOID18) AND HAVE A VERTICAL ACCURACY OF ± 0.5'. CONTOURS OUTSIDE THE IMMEDIATE SITE AREA ARE APPROXIMATE.

BEARINGS SHOWN ON THIS SPECIFIC PURPOSE SURVEY ARE BASED ON GRID NORTH (NAD 83) KENTUCKY SINGLE ZONE.

PER THE FEMA FLOODPLAIN MAPS, THE SITE IS LOCATED IN AN AREA DESIGNATED AS ZONE X (AREA OF MINIMAL FLOOD HAZARD). COMMUNITY PANEL NO.: 21083C0275C DATED: 12/03/2009

NO WETLAND AREAS HAVE BEEN INVESTIGATED BY THIS SPECIFIC PURPOSE SURVEY.

ALL ZONING INFORMATION SHOULD BE VERIFIED WITH THE PROPER ZONING OFFICIALS.

ANY UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM ABOVE GROUND FIELD SURVEY INFORMATION. THE SURVEYOR MAKES NO GUARANTEES THAT ANY UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT ANY UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED ANY UNDERGROUND UTILITIES.

GPS NOTES

THE FOLLOWING GPS STATISTICS UPON WHICH THIS SURVEY IS BASED HAVE BEEN PRODUCED AT THE 95% CONFIDENCE LEVEL:

POSITIONAL ACCURACY: 0.07 FEET (HORZ) 0.25 FEET (VERT)
 TYPE OF EQUIPMENT: GEOMAX ZENITH35 PRO BASE AND ROVER, DUAL FREQUENCY
 TYPE OF GPS FIELD PROCEDURE: ONLINE POSITION USER INTERFACE
 DATES OF SURVEY: 4/7/2021
 DATUM / EPOCH: NAD_83(2011)EPOCH:2010.0000
 PUBLISHED / FIXED CONTROL USE: N/A
 GEOID MODEL: 18
 COMBINED GRID FACTORS: 0.99989145 CENTERED ON THE GPS BASE POINT AS SHOWN HEREON.
 CONVERGENCE ANGLE: -0.45428056"
 BENCHMARKS USED: DK7559, DK4660, DM4051

SURVEYOR'S CERTIFICATE

I, G. DARRELL TAYLOR, A KENTUCKY PROFESSIONAL LAND SURVEYOR, CERTIFY THAT THE INFORMATION SHOWN HEREON WAS COMPILED USING DATA FROM AN ACTUAL FIELD SURVEY MADE UNDER MY DIRECT SUPERVISION BY METHOD OF RANDOM TRAVERSE WITH SIDE SHOTS. THE UNADJUSTED PRECISION RATIO OF THE TRAVERSE EXCEEDED 1:10,000 AND WAS NOT ADJUSTED FOR CLOSURE. THIS SURVEY MEETS OR EXCEEDS THE MINIMUM STANDARDS FOR AN URBAN SURVEY AS ESTABLISHED BY THE STATE OF KENTUCKY, PER 201 KAR 18:150 AND IN EFFECT ON THE DATE OF THIS SURVEY.

G. Darrell Taylor
 G. DARRELL TAYLOR, PLS 4179
 10/25/2021
 DATE



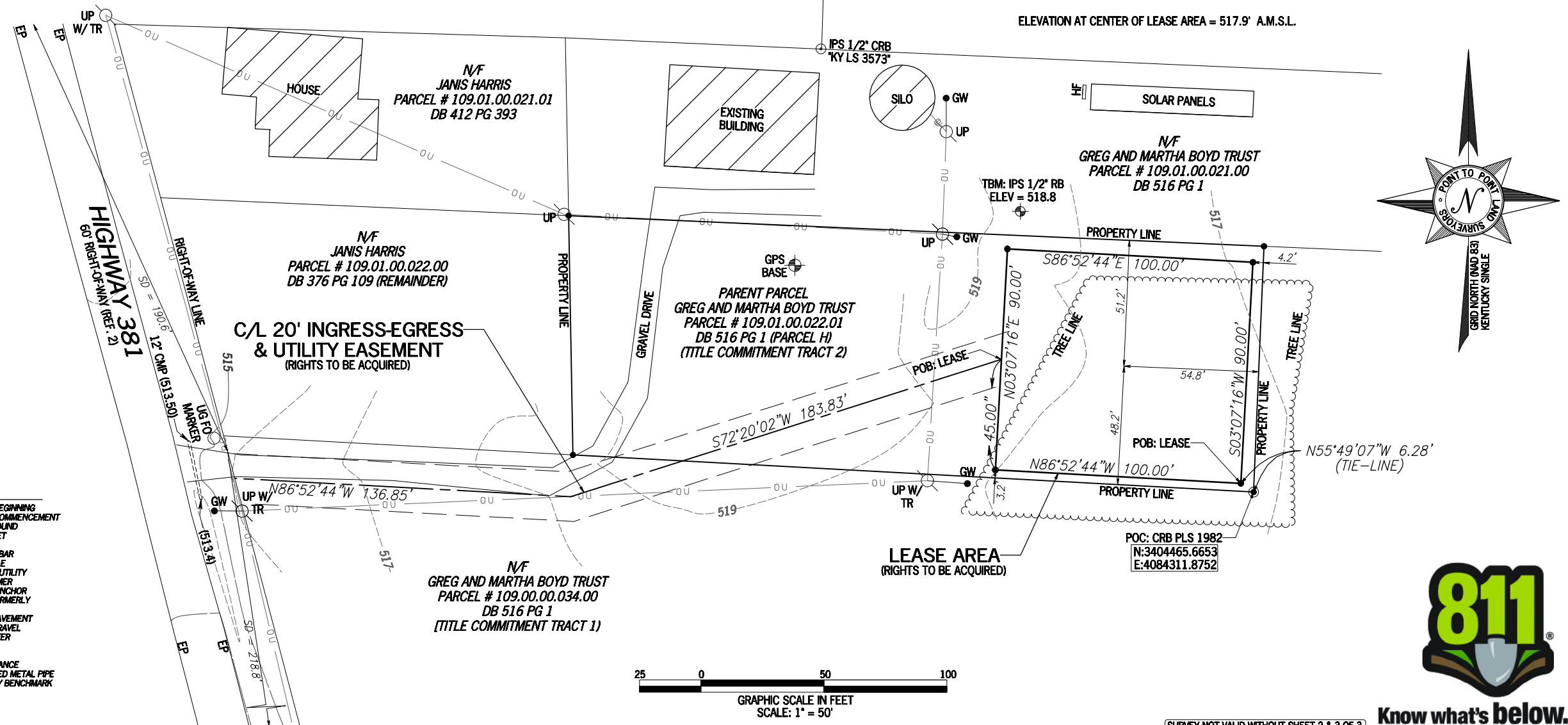
VICINITY MAP
 NOT TO SCALE

PARENT PARCEL

OWNER: GREG AND MARTHA BOYD TRUST
 SITE ADDRESS: 230 STATE ROUTE 381 SEDALIA, KY 42079
 PARCEL ID: 109.01.00.022.01
 AREA: 0.63 ACRES (PER TAX ASSESSOR)
 ZONED: THERE IS NO ZONING IN GRAVES COUNTY OUTSIDE OF THE CITY LIMITS AND EXTRA-TERRITORIAL JURISDICTION OF MAYFIELD.
 ALL ZONING INFORMATION SHOULD BE VERIFIED WITH THE PROPER ZONING OFFICIALS
 REFERENCE: 1) DEED BOOK 516 PAGE 1
 2) JOHN AND JENNIFER GREAM SURVEY BY JASON W. LOOPER PLS 3573, 1/27/2020

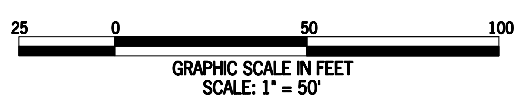
SITE INFORMATION

LEASE AREA = 9,000 SQUARE FEET (0.2066 ACRES)
 LATITUDE = 36° 38' 16.29" (NAD 83) (36.637858°)
 LONGITUDE = -88° 36' 09.62" (NAD 83) (-88.602672°)
 AT CENTER LEASE AREA
 ELEVATION AT CENTER OF LEASE AREA = 517.9' A.M.S.L.



LEGEND

POB	POINT OF BEGINNING
POC	POINT OF COMMENCEMENT
IPF	IRON PIN FOUND
IPS	IRON PIN SET
RB	REBAR
CRB	CAPPED REBAR
UP	UTILITY POLE
OU	OVERHEAD UTILITY
TR	TRANSFORMER
GW	GUY WIRE ANCHOR
N/F	NOW OR FORMERLY
CAB	CABINET
EP	EDGE OF PAVEMENT
EG	EDGE OF GRAVEL
WM	WATER METER
MB	MAILBOX
INV	INVERT
SD	SIGHT DISTANCE
CMP	CORRUGATED METAL PIPE
TBM	TEMPORARY BENCHMARK



(SURVEY NOT VALID WITHOUT SHEET 2 & 3 OF 3)

STATE of KENTUCKY
 G. DARRELL TAYLOR
 4179
 LICENSED PROFESSIONAL LAND SURVEYOR

NO.	DATE	REVISION
1	4/20/21	20' ING./EGR. ESMT.
2	5/4/21	TITLE REVIEW
3	5/13/21	COMMENTS
4	10/25/21	COMMENTS - JMF

POINT TO POINT LAND SURVEYORS
 100 Governors Trace, Ste. 103
 Peachtree City, GA 30269
 (p) 678.565.4440 (f) 678.565.4497
 (w) pointtopointsurvey.com



SPECIFIC PURPOSE SURVEY PREPARED FOR:

TILLMAN INFRASTRUCTURE

TILLMAN INFRASTRUCTURE, LLC
 152 W 57TH STREET, 27TH FLOOR
 NEW YORK, NY 10019

SEDALIA

SITE NO. T-OPP-17997
 GRAVES COUNTY, KENTUCKY

DRAWN BY: GJH

CHECKED BY: JKL

APPROVED: D. MILLER

DATE: APRIL 14, 2021

P2P JOB #: 210399KY

SHEET:

1
 OF 3

811
 Know what's below.
 Call before you dig.

E:\workspace\Point To Point\2P Current Jobs\2021\210399KY\210399KY.dwg

STATE of KENTUCKY
 G. DARRELL
 TAYLOR
 4179
 LICENSED
 PROFESSIONAL
 LAND SURVEYOR

LEGAL DESCRIPTION SHEET

NO.	DATE	REVISION
1	4/20/21	20' ING./EGR. ESMT.
2	5/4/21	TITLE REVIEW
3	5/13/21	COMMENTS
4	10/25/21	COMMENTS - JMF

20' INGRESS-EGRESS & UTILITY EASEMENT

TOGETHER WITH A 20-FOOT WIDE INGRESS-EGRESS AND UTILITY EASEMENT (LYING 10 FEET EACH SIDE OF CENTERLINE), LYING AND BEING IN GRAVES COUNTY, KENTUCKY, AND BEING TAX PARCELS 109.01.00.034.00 AND 109.01.00.022.01, AND BEING A PORTION OF THE LANDS CONVEYED TO THE GREG AND MARTHA BOYD TRUST AS RECORDED IN DEED BOOK 516 PAGE 1, GRAVES COUNTY RECORDS, AND BEING MORE PARTICULARLY DESCRIBED BY THE FOLLOWING CENTERLINE DATA:

TO FIND THE POINT OF BEGINNING, COMMENCE, AT A CAPPED REBAR FOUND, STAMPED "PLS 1982", AT THE SOUTHEAST CORNER OF TAX PARCEL 109.01.00.022.01, SAID REBAR HAVING A KENTUCKY GRID NORTH, NAD83, SINGLE ZONE VALUE OF N:3404465.6653 E:4084311.8752; THENCE RUNNING ALONG A TIE-LINE, NORTH 55°49'07" WEST, 6.28 FEET TO A POINT ON THE LEASE AREA; THENCE RUNNING ALONG THE LEASE AREA, NORTH 86°52'44" WEST, 100.00 FEET TO A POINT; THENCE, NORTH 03°07'16" EAST, 45.00 FEET TO A POINT, AND THE TRUE POINT OF BEGINNING; THENCE LEAVING THE LEASE AREA AND RUNNING, SOUTH 72°20'02" WEST, 183.83 FEET TO A POINT; THENCE, NORTH 86°52'44" WEST, 136.85 FEET TO THE ENDING AT A POINT ON THE EASTERLY RIGHT-OF-WAY LINE OF HIGHWAY 381 (HAVING A 60-FOOT RIGHT-OF-WAY).

BEARINGS BASED ON KENTUCKY GRID NORTH, NAD 83, SINGLE ZONE.

LEASE AREA

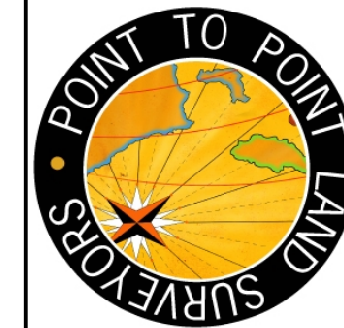
ALL THAT TRACT OR PARCEL OF LAND LYING AND BEING IN GRAVES COUNTY, KENTUCKY, AND BEING TAX PARCEL 109.01.00.022.01, AND BEING A PORTION OF THE LANDS CONVEYED TO THE GREG AND MARTHA BOYD TRUST AS RECORDED IN DEED BOOK 516 PAGE 1, GRAVES COUNTY RECORDS, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

TO FIND THE POINT OF BEGINNING, COMMENCE, AT A CAPPED REBAR FOUND, STAMPED "PLS 1982", AT THE SOUTHEAST CORNER OF TAX PARCEL 109.01.00.022.01, SAID REBAR HAVING A KENTUCKY GRID NORTH, NAD83, SINGLE ZONE VALUE OF N:3404465.6653 E:4084311.8752; THENCE RUNNING ALONG A TIE-LINE, NORTH 55°49'07" WEST, 6.28 FEET TO A POINT, AND THE TRUE POINT OF BEGINNING; THENCE RUNNING, NORTH 86°52'44" WEST, 100.00 FEET TO A POINT; THENCE, NORTH 03°07'16" EAST, 90.00 FEET TO A POINT; THENCE, SOUTH 86°52'44" EAST, 100.00 FEET TO A POINT; THENCE, SOUTH 03°07'16" WEST, 90.00 FEET TO A POINT AND THE POINT OF BEGINNING.

BEARINGS BASED ON KENTUCKY GRID NORTH, NAD 83, SINGLE ZONE.

SAID TRACT CONTAINS 0.2066 ACRES (9,000 SQUARE FEET), MORE OR LESS.

* SPECIFIC PURPOSE SURVEY PREPARED BY:
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SPECIFIC PURPOSE SURVEY PREPARED FOR:



TILLMAN INFRASTRUCTURE, LLC
 152 W 57TH STREET, 27TH FLOOR
 NEW YORK, NY 10019

SEDALIA

**SITE NO.
 TI-OPP-17997**
 GRAVES COUNTY,
 KENTUCKY

DRAWN BY: GJH CHECKED BY: JKL APPROVED: D. MILLER DATE: APRIL 14, 2021 P2P JOB #: 210399KY	SHEET: <div style="font-size: 2em; font-weight: bold; text-align: center;">2</div> OF 3
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PARENT PARCEL

(PER COMMITMENT NO.: TKY778952)

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF GRAVES, STATE OF KENTUCKY, AND IS DESCRIBED AS FOLLOWS:

TRACT 1:

BEING 48 ACRES OF LAND, MORE OR LESS, LYING IN THE SOUTHEAST QUARTER OF SECTION 13 T 2 R 1 E AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A STAKE IN THE CENTER OF THE SEDALIA-LYNNVILLE HIGHWAY #381 AT THE NORTHWEST CORNER OF HOYT GOUGH PROPERTY; THENCE IN AN EASTERLY DIRECTION ALONG THE HOYT GOUGH NORTH LINE 1766 FEET, MORE OR LESS, TO A STAKE, SAID STAKE BEING ON THE WEST LINE OF THE N.L. GALLOWAY PROPERTY; THENCE IN A NORTHERLY DIRECTION ALONG THE WEST LINE OF N.L. GALLOWAY PROPERTY 686 FEET, MORE OR LESS, TO A STAKE, SAID STAKE BEING ON THE SOUTH LINE OF JAP WHEELER LAND 897 FEET, MORE OR LESS, TO A STAKE, SAID STAKE BEING ON THE WEST LINE OF JAP WHEELER PROPERTY; THENCE IN A WESTERLY DIRECTION ALONG THE SOUTH LINE OF JAP WHEELER LAND; THENCE IN A NORTHERLY DIRECTION ALONG THE LINE OF JAP WHEELER LAND 800 FEET, MORE OR LESS, TO A STAKE ON THE SOUTH LINE OF NELSON BOYD PROPERTY; THENCE IN A WESTERLY DIRECTION 563 FEET, MORE OR LESS, TO A STAKE ON THE EAST LINE OF TAYLOR PROPERTY; THENCE IN A SOUTHERLY DIRECTION 100 FEET, MORE OR LESS, ALONG TAYLOR'S EAST LINE TO A STAKE, THENCE IN A WESTERLY DIRECTION ALONG TAYLOR'S SOUTH LINE 450 FEET, MORE OR LESS, TO A POINT IN THE MIDDLE OF THE SEDALIA-LYNNVILLE HIGHWAY #381, THENCE IN A SOUTHERLY DIRECTION ALONG THE CENTER LINE OF THE SEDALIA-LYNNVILLE HIGHWAY #381, 1419 FEET, MORE OR LESS, TO A STAKE WHICH IS THE POINT OF BEGINNING.

EXCEPT A 15-ACRE RECTANGULAR SHAPED PARCEL OFF OF THE SOUTHEAST CORNER OF THE ABOVE-DESCRIBED REAL ESTATE WHICH WAS CONVEYED TO N.L. GALLOWAY AND WIFE, LENA M. GALLOWAY, BY WILSON VEST AND WIFE, BY DEED DATED APRIL 9, 1960, RECORDED APRIL 9, 1960, IN DEED BOOK 173, PAGE 498, GRAVES COUNTY COURT CLERK'S OFFICE.

ALSO, EXCEPT A LOT FRONTING WEST ON HIGHWAY #381, 150 FEET AND RUNNING BACK EAST THE SAME WIDTH 300 FEET CONVEYED BY WILSON VEST AND WIFE, TO WEBSTER FORD AND WIFE, BY DEED DATED DECEMBER 27, 1961, RECORDED DECEMBER 27, 1961, IN DEED BOOK 179, PAGE 708, GRAVES COUNTY COURT CLERK'S OFFICE. AFTER THESE EXCEPTIONS ARE SUBTRACTED FROM THE REAL ESTATE HERETOFORE DESCRIBED, THERE IS BEING CONVEYED BY THIS INSTRUMENT 32 ACRES, MORE OR LESS.

TRACT 2:

A CERTAIN TRACT OF LAND LOCATED EASTERLY OF KENTUCKY 381 HIGHWAY AND SOUTHERLY OF KENTUCKY 339 HIGHWAY IN GRAVES COUNTY, KENTUCKY, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

UNLESS STATED OTHERWISE ALL IRON PINS REFERRED TO AS SET ARE A 5/8" DIAMETER IRON PIN, 18" LONG WITH A YELLOW PLASTIC CAP STAMPED R.T. CARTER, PLS 1982. ALL BEARINGS STATED HEREIN ARE MAGNETIC AND ARE TAKEN FROM A READING IN THE FIELD ON NOVEMBER 20, 2003.

BEGINNING AT AN IRON PIN SET IN THE SOUTH LINE OF GREGORY N. BOYD (DB 336, P. 599, PARCEL 3), A NEW CORNER OF JANIS HARRIS (DB 379, P. 109), SAID PIN LOCATED NORTH 82 DEGREES 14 MINUTES 25 SECONDS EAST 197.80 FEET FROM A POINT IN THE CENTER OF KENTUCKY 381 HIGHWAY; THENCE WITH THE SOUTH LINE OF GREGORY N. BOYD (DB 336, P. 599, PARCEL 3), NORTH 82 DEGREES 14 MINUTES 25 SECONDS EAST 283.10 FEET TO AN IRON PIN SET AT THE NORTHEAST CORNER OF JANIS HARRIS (DB 379, P. 109); THENCE WITH THE WEST LINE OF GREGORY N. BOYD (DB 336, P. 599, PARCEL 3), SOUTH 7 DEGREES 51 MINUTES 33 SECONDS EAST 100.00 FEET TO AN 8-1/2" X 7" CORNER POST WITH A WITNESS PIN SET AT THE SOUTHEAST CORNER OF JANIS HARRIS (DB 379, P. 109); THENCE WITH THE NORTH LINE OF GREGORY N. BOYD (DB 336, P. 599, PARCEL 1), SOUTH 82 DEGREES 50 MINUTES 33 SECONDS WEST 277.24 FEET TO AN IRON PIN SET, A NEW CORNER; THENCE WITH A NEW LINE, NORTH 11 DEGREES 19 MINUTES 39 SECONDS WEST 97.27 FEET TO THE POINT OF BEGINNING, AND CONTAINING 0.63 ACRES (MORE OR LESS).

BEING THE SAME PROPERTY CONVEYED TO GREG AND MARTHA BOYD TRUST FROM GREGORY N. BOYD AND WIFE, MARTHA L. BOYD BY GENERAL WARRANTY DEED, DATED APRIL 18, 2018 AND RECORDED ON APRIL 18, 2018 IN BOOK 516, PAGE 1.

TITLE EXCEPTIONS

THIS SURVEY WAS COMPLETED WITH THE AID OF TITLE WORK PREPARED BY FIRST AMERICAN TITLE INSURANCE COMPANY, COMMITMENT DATE OF FEBRUARY 19, 2021 8:00 AM, BEING COMMITMENT NO. TKY778952, FOR THE PARENT PARCEL, TO DETERMINE THE IMPACTS OF EXISTING TITLE EXCEPTIONS.

8. EASEMENT GRANTED UNITED STATES OF AMERICA, DATED MAY 25, 1943 OF RECORD IN DEED BOOK 126, PAGE 416, IN THE OFFICE OF THE CLERK OF GRAVES COUNTY, KENTUCKY. [THIS ITEM CANNOT BE LOCATED BECAUSE THE DESCRIPTION PROVIDED IS VAGUE.]

9. DEED FOR HIGHWAY PURPOSES, WITH EASEMENT, TO DEPARTMENT OF HIGHWAYS, DATED JUNE 19, 1957 OF RECORD IN DEED BOOK 166, PAGE 509; A PORTION OF WHICH WAS CONVEYED BACK TO NELSON AND SUE W. BOYD IN DEED DATED FEBRUARY 23, 1973, DEED BOOK 237, PAGE 208, BOTH IN THE OFFICE AFORESAID. [THIS ITEM IS APPLICABLE TO THE RIGHT OF WAY OF ROUTE 381 AND DOES NOT AFFECT THE LEASE AREA AND INGRESS/EGRESS EASEMENT.]

STATE of KENTUCKY
G. DARRELL
TAYLOR
4179
LICENSED
PROFESSIONAL
LAND SURVEYOR

NO.	DATE	REVISION
1	4/20/21	20' ING./EGR. ESMT.
2	5/4/21	TITLE REVIEW
3	5/13/21	COMMENTS
4	10/25/21	COMMENTS - JMF

* SPECIFIC PURPOSE SURVEY PREPARED BY:
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DRAWN BY: GJH	SHEET:
CHECKED BY: JKL	3
APPROVED: D. MILLER	
DATE: APRIL 14, 2021	
P2P JOB #: 210399KY	
	OF 3

GENERAL PROJECT NOTES

- THE ENGINEER SHALL BE RESPONSIBLE FOR PROVIDING ALL FIELD LAYOUT ON A ONE TIME BASIS.
- THE CONTRACTOR SHALL TOPSOIL AND SEED ALL DISTURBED AREAS.
- THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURES, ABOVE-GROUND STRUCTURES AND/OR UTILITIES BELIEVED TO EXIST IN THE WORKING AREA, EXACT LOCATION OF WHICH MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH PIPELINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY BE SHOWN OR MAY NOT BE SHOWN; AND IT SHALL BE HIS RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK. 48 HOURS BEFORE YOU DIG, DRILL OR BLAST, CALL 811.
- THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL OF THE ENGINEER.
- THE CONTRACTOR IS INSTRUCTED TO COOPERATE WITH ANY AND ALL OTHER CONTRACTORS PERFORMING WORK ON THIS JOB SITE DURING THE PERFORMANCE OF THIS CONTRACT.
- THE CONTRACTOR SHALL RESTORE ALL PUBLIC OR PRIVATE PROPERTY DAMAGED OR REMOVED TO AT LEAST AS GOOD OF CONDITION AS BEFORE DISTURBED AS DETERMINED BY THE ENGINEER.
- THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, AND INCURRING THE COST OF ALL REQUIRED PERMITS, INSPECTIONS, CERTIFICATES, ETC.
- THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER OR OWNER SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNDER THE SUPERVISION OF THE STATE LICENSED LAND SURVEYOR.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLAN SHEETS AND SPECIFICATIONS, AND COORDINATE WORK WITH ALL CONTRACTS FOR THE SITE.
- ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH THE LATEST REVISIONS OF THE JURISDICTIONS STATE CODE AND OSHA REGULATIONS FOR CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK.
- ALL UTILITY WORK INVOLVING CONNECTIONS TO EXISTING SYSTEMS SHALL BE COORDINATED WITH THE ENGINEER AND THE UTILITY OWNER. NOTIFY THE ENGINEER AND THE UTILITY OWNER 24 HOURS BEFORE EACH AND EVERY CONNECTION TO EXISTING SYSTEMS IS MADE.
- MAINTAIN FLOW FOR ALL EXISTING UTILITIES.
- ALL SITE FILL SHALL MEET SELECTED FILL STANDARDS UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- CONTRACTOR TO GRADE ALL AREAS ON THE SITE TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE COMPOUND AND THE TOWER.
- THE CONTRACTOR SHALL TAKE TIES TO ALL UTILITY CONNECTIONS AND PROVIDE MARKED-UP AS-BUILT PLANS. AS-BUILT PLANS SHALL BE REVIEWED BY THE OWNER AND HIS REPRESENTATIVES, AND THE CONTRACTOR SHALL PROVIDE ANY CORRECTION OR ADMISSIONS TO THE SATISFACTION OF THE OWNER AND HIS REPRESENTATIVES BEFORE UTILITIES WILL BE ACCEPTED. AS-BUILTS SHALL INCLUDE ALL POWER, TELEPHONE, GROUNDING, ETC.
- TOWER FOOTING DIMENSIONS SHALL BE VERIFIED WITH THE TOWER MANUFACTURER AND THE TOWER PLANS.

GENERAL CONSTRUCTION NOTES

- GENERAL
 - THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
 - CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE UNDERGROUND UTILITIES.
 - INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE OWNER PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH ACTION SHALL REQUIRE APPROVAL.
 - EACH CONTRACTOR SHALL COOPERATE WITH THE OWNER'S REPRESENTATIVE, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
 - PAINT ALL ANTENNAS, MOUNTING HARDWARE, CABLES, CABLE TRAYS, ETC. TO MATCH EXISTING STRUCTURE PER OWNER REQUIREMENTS. OWNER SHALL APPROVE COLOR.
 - ALL DAMAGED, MARRED, SCRAPED, ABRADED, ETC. AREAS OF EXISTING PAINT SHALL BE REPAIRED PER OWNERS REQUIREMENTS. OWNER SHALL APPROVE COLOR.

- EXCAVATIONS/FOUNDATION
 - FOUNDATION EXCAVATION SHALL BE HAND-TRIMMED TO REMOVE LOOSE MATERIALS.
 - EXTERIOR FOUNDATION BACKFILL SHALL BE SELECTED GRANULAR FILL.
 - ALL STRUCTURAL BACKFILL AND SUBBASE UNDER SLABS-ON-GRADE AND FOOTINGS SHALL BE "SW" OR BETTER PER ASTM D-2487 COMPACTED TO A MINIMUM 95% STANDARD PROCTOR DENSITY PER ASTM D 698.
 - DO NOT PLACE FOOTINGS IN WATER OR ON FROZEN GROUND.
 - SOIL BEARING SURFACES, PREVIOUSLY ACCEPTED BY GEOTECHNICAL ENGINEER, WHICH ARE ALLOWED TO BECOME SATURATED, FROZEN OR DISTURBED SHALL BE REWORKED TO SATISFACTION OF GEOTECHNICAL ENGINEER.
 - DO NOT ALLOW GROUND BENEATH FOOTINGS TO FREEZE.
 - FOOTING EXCAVATIONS SHALL BE CUT NEAT.
- CONCRETE
 - DESIGN AND CONSTRUCTION OF ALL CONCRETE ELEMENTS SHALL CONFORM TO THE LATEST EDITIONS OF THE FOLLOWING APPLICABLE CODES: ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS"; ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE";
 - MIX DESIGN SHALL BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO PLACING CONCRETE.
 - CONCRETE SHALL BE NORMAL WEIGHT, 6% AIR ENTRAINED ($\pm 1.5\%$) WITH A MAXIMUM 4" SLUMP, AND HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI UNLESS OTHERWISE NOTED.
 - MAXIMUM AGGREGATE SIZE SHALL BE 1".
 - THE FOLLOWING MATERIALS SHALL BE USED:

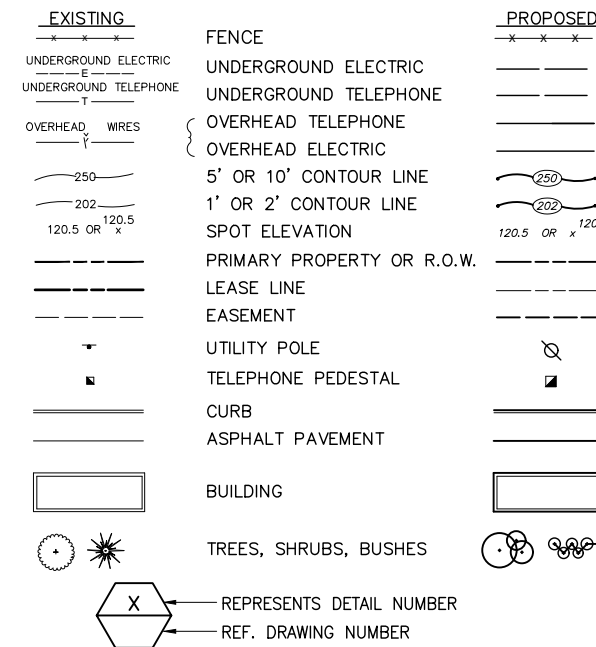
PORTLAND CEMENT:	ASTM C 150, TYPE I
REINFORCEMENT:	ASTM A 615, GRADE 60
NORMAL WEIGHT AGGREGATE:	ASTM C 33
WATER:	DRINKABLE
ADMIXTURES:	NON-CHLORIDE CONTAINING
 - REINFORCING SHALL CONFORM TO ASTM A-615 WITH SUPPLEMENT. MINIMUM YIELD STRENGTH $F_y = 60$ KSI. REINFORCING DETAILS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 315.
 - CONCRETE COVER AROUND REINFORCING BARS (U.N.O.) SHALL BE:
 - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED EARTH.....3"
 - CONCRETE EXPOSED TO EARTH, WEATHER.....2"
 - SLABS.....3/4"
 - ALL OTHER CONCRETE.....1 1/2"
 - UNLESS INDICATED OTHERWISE ON THE DRAWINGS, REINFORCEMENT SPLICES SHALL MEET CLASS B, TENSION LAP REQUIREMENTS IN ACCORDANCE WITH ALL PROVISIONS OF ACI 318 LATEST EDITION, UNLESS NOTED OTHERWISE.

GENERAL CONSTRUCTION NOTES CONT.

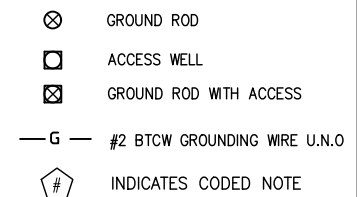
- CURING COMPOUNDS SHALL CONFORM TO ASTM C-309.
 - ADMIXTURES SHALL CONFORM TO THE APPROPRIATE ASTM STANDARD AS REFERENCED IN ACI-301.
 - DO NOT WELD OR TACKWELD REINFORCING STEEL.
 - ALL DOWELS, ANCHOR BOLTS, EMBEDDED STEEL, ELECTRICAL CONDUITS, PIPE SLEEVES, PIPING, WATERSTOPS, INSERTS, GROUNDS AND ALL OTHER EMBEDDED ITEMS AND FORMED DETAILS SHALL BE IN PLACE BEFORE START OF CONCRETE PLACEMENT.
 - LOCATE ADDITIONAL CONSTRUCTION JOINTS REQUIRED TO FACILITATE CONSTRUCTION AS ACCEPTABLE TO ENGINEER. PLACE REINFORCEMENT CONTINUOUSLY THROUGH JOINT.
 - REINFORCEMENT SHALL BE COLD BENT WHENEVER BENDING IS REQUIRED.
 - PLACE CONCRETE IN A UNIFORM MANNER TO PREVENT THE FORMATION OF COLD JOINTS AND OTHER PLANES OF WEAKNESS. VIBRATE THE CONCRETE TO FULLY EMBED REINFORCING. DO NOT USE VIBRATORS TO TRANSPORT CONCRETE THROUGH CHUTES OR FORMWORK.
 - DO NOT PLACE CONCRETE IN WATER, ICE, OR ON FROZEN GROUND.
 - DO NOT ALLOW CONCRETE SUBBASE TO FREEZE DURING CONCRETE CURING AND SETTING PERIOD, OR FOR A MINIMUM OF 14 DAYS AFTER PLACEMENT.
 - FOR COLD-WEATHER AND HOT-WEATHER CONCRETE PLACEMENT, CONFORM TO APPLICABLE ACI CODES AND RECOMMENDATIONS. IN EITHER CASE, MATERIALS CONTAINING CHLORIDE, CALCIUM, SALTS, ETC. SHALL NOT BE USED. PROTECT FRESH CONCRETE FROM WEATHER FOR 7 DAYS MINIMUM.
 - PROVIDE A STEEL TROWEL FINISH TO THE SLAB.
- ANTENNA SUPPORT BRACKET NOTES (IF APPLICABLE)
 - DESIGN RESPONSIBILITY OF ANTENNA MOUNTING BRACKETS AND POLES AND ALL COMPONENTS THERE OF AND ATTACHMENT THERE TO SHALL BE THE RESPONSIBILITY OF THE MANUFACTURER. MFR SHALL PROVIDE TO THE ENGINEER FOR APPROVAL, DRAWINGS DETAILING ALL COMPONENTS OF THE ASSEMBLY, INCLUDING CONNECTIONS, DESIGN LOADS, AND ALL OTHER PERTINENT DATA.
 - BRACKETS SHALL BE DESIGNED TO SUPPORT CURRENT AND FUTURE PANEL ANTENNAS AND COAXIAL CABLES AS SHOWN.

- STRUCTURAL STEEL NOTES
 - STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
 - STEEL ANGLES, BASE PLATES, BEARING PLATES AND MISC. FABRICATION SHALL BE MADE FROM STEEL MEETING THE REQUIREMENTS OF ASTM-A36 WITH A MINIMUM YIELD STRESS OF 36 KSI. ALL STEEL TUBES AND PIPES SHALL BE A500 STEEL MINIMUM.
 - ALL DINGS, SCRAPES, MARS, AND WELDS IN THE FINISHED AREAS SHALL BE REPAIRED BY FIELD TOUCH-UP PRIOR TO COMPLETION OF THE WORK.
 - ALL EXTERIOR STRUCTURAL STEEL SHALL BE, WHEN DELIVERED, HOT-DIP GALVANIZED ACCORDING TO ASTM A123. TOUCH-UP FIELD WELDS AND ABRADED AREAS W/2 COATS OF GALVANIZED PAINT, ZRC COLD GALVANIZING COMPOUND OR APPROVED EQUAL.
 - DO NOT PLACE HOLES THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.
 - CONNECTIONS:
 - BOLTED CONNECTIONS SHALL USE BEARING TYPE GALVANIZED ASTM A325 BOLTS AND SHALL HAVE A MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE.
 - NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIA. GALVANIZED ASTM A307 BOLTS UNLESS NOTED OTHERWISE.
 - SAFETY NOTES:
 - THE CONTRACTOR WILL ADHERE TO ALL SAFETY REGULATIONS, LOCAL, STATE AND FEDERAL.
 - THE CONTRACTOR WILL CONDUCT DAILY SAFETY TAILGATE MEETINGS IN ADDITION TO WEEKLY SAFETY MEETINGS. THESE REPORTS WILL BE MADE AVAILABLE TO THE OWNER UPON REQUEST.
 - ALL WORKERS & VISITORS TO THE SITE SHALL WEAR HARD HATS & ANY OTHER SAFETY EQUIPMENT REQUIRED BY THE WORK BEING PERFORMED ON THE SITE.

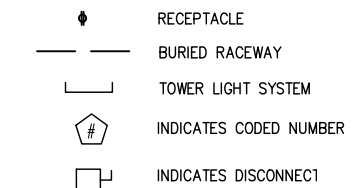
CIVIL LEGEND



GROUNDING SYMBOLS



ELECTRICAL SYMBOLS



ABBREVIATIONS

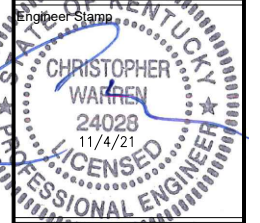
CIGBE	COAX ISOLATED GROUND BAR EXTERNAL
MIGB	MASTER ISOLATED GROUND BAR
SST	SELF SUPPORTING TOWER
GPS	GLOBAL POSITIONING SYSTEM
TYP.	TYPICAL
DWG	DRAWING
BCW	BARE COPPER WIRE
BFG	BELOW FINISH GRADE
W/	WITH
PVC	POLYVINYL CHLORIDE
CAB	CABINET
C	CONDUIT
SS	STAINLESS STEEL
G	GROUND
AWG	AMERICAN WIRE GAUGE
RGS	RIGID GALVANIZED STEEL
AHJ	AUTHORITY HAVING JURISDICTION
TTLNA	TOWER TOP LOW NOISE AMPLIFIER
UNO	UNLESS NOTED OTHERWISE
EMT	ELECTRICAL METALLIC TUBING



0	ISSUED FOR CONSTRUCTION	CES	11/03/21
B	ISSUED FOR REVIEW	CES	10/27/21
A	ISSUED FOR REVIEW	CES	09/28/21
No.	Submittal / Revision	App'd	Date

Project Number: 2136-20001-C

Project Title: 15403957 TI-OPP-17997 SEDALIA
230 STATE ROUTE 381 SEDALIA, KY 42079



Drawing Title: GENERAL NOTES & LEGEND

Drawing Scale: AS NOTED
Date: 09/28/21
CD

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF APPLICABLE STATE AND/OR LOCAL LAWS

Drawing Number: **C1**

GENERAL NOTES

1. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANY OR OTHER PUBLIC AUTHORITIES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
3. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK. MINOR OMISSIONS OR ERRORS IN THE BID DOCUMENTS SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR THE OVERALL INTENT OF THESE DRAWINGS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED AS A RESULT OF CONSTRUCTION OF THIS FACILITY.
5. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
6. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
7. THE CONTRACTOR SHALL VERIFY ANTENNA ELEVATION AND AZIMUTH WITH RF ENGINEERING PRIOR TO INSTALLATION.
8. TRANSMITTER EQUIPMENT AND ANTENNAS ARE DESIGNED TO MEET ANSI/EIA/TIA 222-G REQUIREMENTS.
9. ALL STRUCTURAL ELEMENTS SHALL BE HOT DIPPED GALVANIZED STEEL.
10. CONTRACTOR SHALL MAKE A UTILITY "ONE CALL" TO LOCATE ALL UTILITIES PRIOR TO EXCAVATING.
11. IF ANY UNDERGROUND UTILITIES OR STRUCTURES EXIST BENEATH THE PROJECT AREA, CONTRACTOR MUST LOCATE THEM AND CONTACT THE APPLICANT AND OWNER'S REPRESENTATIVE.
12. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION BY TECHNICIANS APPROXIMATELY TWICE A MONTH.
13. PRIOR TO THE INSTALLATION OF THE PROPOSED EQUIPMENT OR MODIFICATION TO THE EXISTING STRUCTURE, A STRUCTURAL ANALYSIS SHALL BE PERFORMED BY THE OWNER'S AGENT TO CERTIFY THAT THE EXISTING/PROPOSED COMMUNICATION STRUCTURE AND COMPONENTS ARE STRUCTURALLY ADEQUATE TO SUPPORT ALL EXISTING AND PROPOSED ANTENNAS, COAXIAL CABLES AND OTHER APPURTENANCES.
14. PROPERTY LINE INFORMATION WAS PREPARED USING DEEDS, TAX MAPS AND PLANS OF RECORD AND SHOULD NOT BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY.
15. THIS PLAN IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
16. THE PROPOSED FACILITY WILL CAUSE ONLY A "DE MINIMIS" INCREASE IN STORM WATER RUNOFF, THEREFORE NO DRAINAGE STRUCTURES ARE PROPOSED.
17. NO SIGNIFICANT NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY.
18. THE FACILITY IS UNMANNED AND NOT INTENDED FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).
19. THE FACILITY IS UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SANITARY SERVICE.
20. POWER TO THE FACILITY WILL BE MONITORED BY A SEPARATE METER.

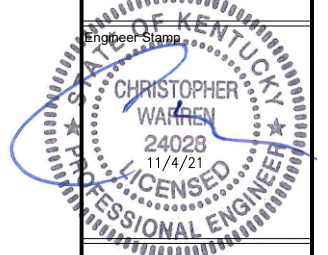


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Project Number 2136-Z0001-C

Project Title
 15403957
 TI-OPP-17997
 SEDALIA
 230 STATE ROUTE 381
 SEDALIA, KY 42079



Drawing Title
 GENERAL NOTES

Drawing Scale: AS NOTED
 Date: 09/28/21
CD

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Drawing Number
C2

CENTER OF PROPOSED TOWER:
 LAT: 36° 38' 16.29" (36.637858°) N
 LONG.: 88° 36' 09.62" (88.602672°) W

DIRECTIONS:
 DEPART 101 E SOUTH ST, MAYFIELD, KY 42066.
 1. HEAD EAST ON E SOUTH ST TOWARD S 6TH ST.
 2. TURN RIGHT AT THE 1ST CROSS STREET ONTO S 6TH ST.
 3. TURN LEFT ONTO KY-464 E / BACKUSBURG RD.
 4. TURN RIGHT ONTO KY-121 BYPASS N.
 5. CONTINUE ONTO KY-97 S.
 6. CONTINUE ONTO KY-381 S.
 ARRIVE AT 230 KY-381, SEDALIA, KY 42079.



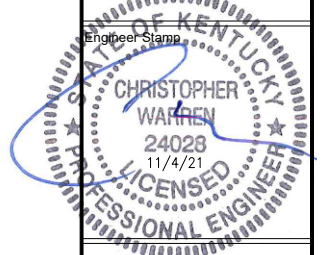
TILLMAN
INFRASTRUCTURE
 152 W. 57TH STREET
 NEW YORK, NEW YORK 10019
 TEL: 212-706-1677

INFINIGY
 FROM ZERO TO INFINIGY
 the solutions are endless
 INFINIGY ENGINEERING, PLLC
 2255 SEWELL MILL ROAD, SUITE 130
 MARIETTA, GA 30062
 Office # (678) 444-4463

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 TI-OPP-17997
 SEDALIA
 230 STATE ROUTE 381
 SEDALIA, KY 42079



Drawing Title
 500' RADIUS AND
 ABUTTERS MAP &
 ADDRESSES

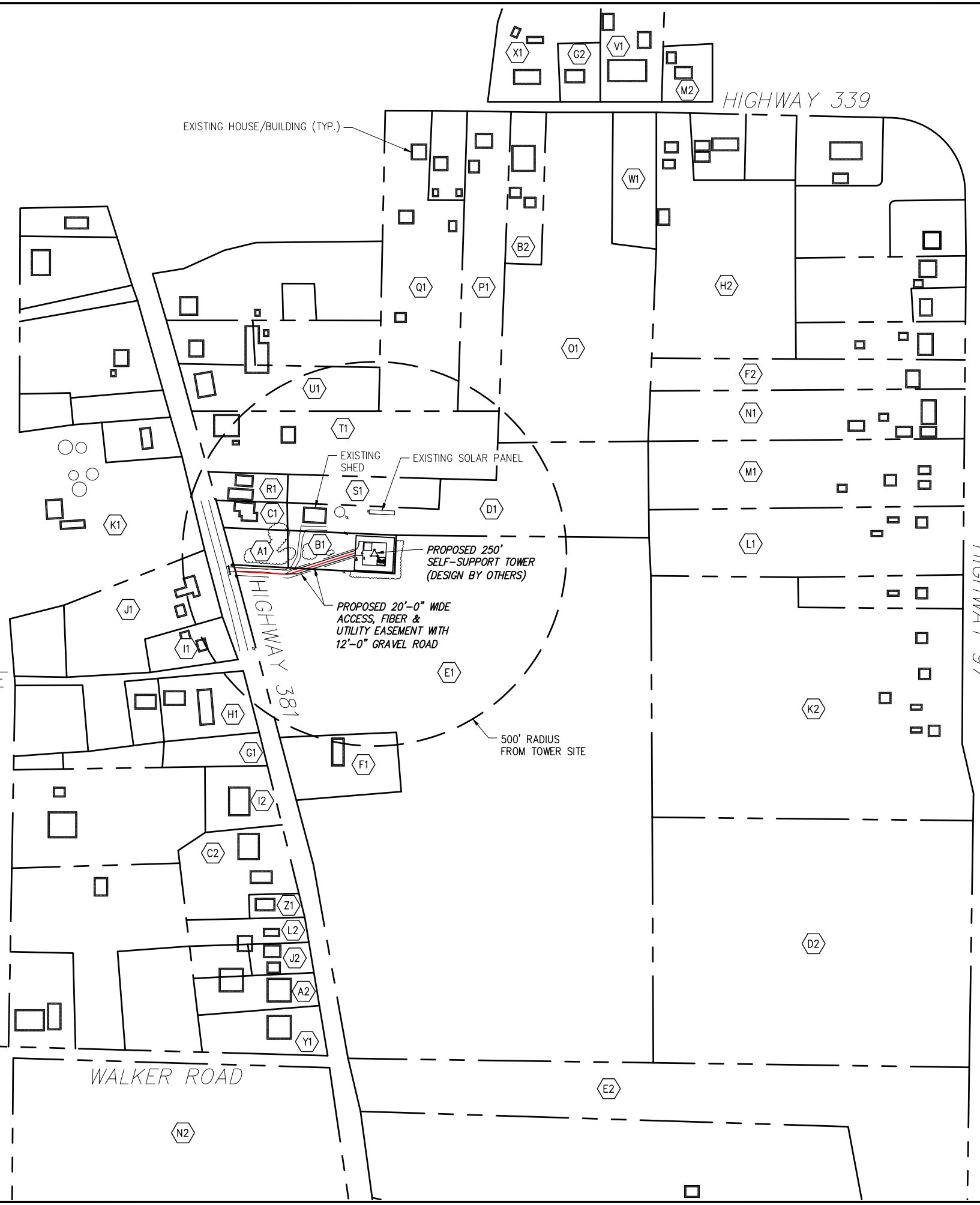
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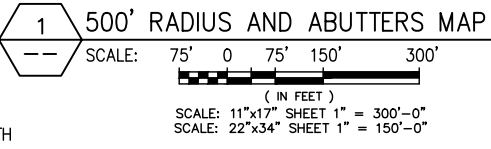
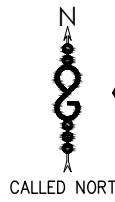
Drawing Number
C3



GRAVES COUNTY KY PVA
 HOWEL CARR, PVA
 101 EAST SOUTH STREET, SUITE 5
 MAYFIELD, KY 42066
 OFFICE: 270-247-3301
 FAX: 270-247-0205

GENERAL NOTE:
 1. ALL INFORMATION SHOWN HEREIN WAS OBTAINED FROM THE RECORDS OF THE GRAVES COUNTY KENTUCKY PROPERTY VALUATION ADMINISTRATION OFFICE ON 10/14/21. THE PROPERTY VALUATION ADMINISTRATION MAY NOT REFLECT THE CURRENT OWNERS AND ADDRESSES DUE TO INACCURACIES AND TIME LAPSE IN UPDATING FILES. MORRISON HERSHFIELD CORPORATION AND THE COUNTY PROPERTY VALUATION ADMINISTRATION EXPRESSLY DISCLAIM ANY WARRANTY FOR THE CONTENT AND ANY ERRORS CONTAINED IN THEIR FILES.
 2. THIS MAP IS FOR GENERAL INFORMATIONAL PURPOSES ONLY AND IS NOT A BOUNDARY SURVEY.
 3. NOT FOR RECORDING OR PROPERTY TRANSFER.

NOTE:
 PARCEL NUMBERS ARE OF RECORD IN THE GRAVES COUNTY PROPERTY VALUATION ADMINISTRATOR OFFICE



PARCEL KEY:

A1 PARCEL ID: 109.01.00.022.00 JANIS HARRIS P.O. BOX 2 SEDALIA, KY 42079	L1 PARCEL ID: 109.01.00.002.00 CHARLES WAYNE WATSON 6271 STATE RT 97 MAYFIELD, KY 42066	W1 PARCEL ID: 109.01.00.015.00 BOYD GREG & MARTHA TRUST 585 STATE RT 339 E MAYFIELD, KY 42066	H2 PARCEL ID: 109.01.00.013.00 HOUSE BRAD & CAMILLE 1839 ST RT 339 E SEDALIA, KY 42079
B1 PARCEL ID: 109.01.00.022.01 GREG AND MARTHA BOYD TRUST 585 STATE ROUTE 339 EAST MAYFIELD, KY 42066	M1 PARCEL ID: 109.01.00.003.00 STUART B & CATHERINE CRAFTON 6255 STATE ROUTE 97 MAYFIELD, KY 42066	X1 PARCEL ID: 109.01.00.141.00 BUSCH GLENN R JR 586 CARDINAL RD MAYFIELD, KY 42066	I2 PARCEL ID: 109.00.00.046.00 LESTER RICKY & LINDA K 381 STATE RT 381 SEDALIA, KY 42079
C1 PARCEL ID: 109.01.00.021.01 JANIS HARRIS P.O. BOX 2 SEDALIA, KY 42079	N1 PARCEL ID: 109.01.00.004.00 JOHNATHAN A RODRIGUEZ 6219 STATE ROUTE 97 MAYFIELD, KY 42066	Y1 PARCEL ID: 109.00.00.039.00 CATES JERRY & JENNIFER P O BOX 44 SEDALIA, KY 42079	J2 PARCEL ID: 109.00.00.041.00 LONG GARY LEON 447 ST RT 381 SEDALIA, KY 42079
D1 PARCEL ID: 109.01.00.021.00 GREG AND MARTHA BOYD TRUST 585 STATE ROUTE 339 EAST MAYFIELD, KY 42066	O1 PARCEL ID: 109.01.00.016.00 GREG AND MARTHA BOYD TRUST 585 STATE ROUTE 339 EAST MAYFIELD, KY 42066	Z1 PARCEL ID: 109.00.00.044.00 CHAMBERS MICHAEL 419 STATE RT 381 SEDALIA, KY 42079	K2 PARCEL ID: 109.00.00.030.00 PERRY JESSE & KRISTINA 1645 SCOTT RD SEDALIA, KY 42079
E1 PARCEL ID: 109.00.00.034.00 GREG AND MARTHA BOYD TRUST 585 STATE ROUTE 339 EAST MAYFIELD, KY 42066	P1 PARCEL ID: 109.01.00.018.00 JESSICA C RILEY 1745 ST RT 339 E SEDALIA, KY 42079	A2 PARCEL ID: 109.00.00.040.00 CHOATE LORI LAIN 4978 OLD DUBLIN RD MAYFIELD, KY 42066	L2 PARCEL ID: 109.00.00.043.00 RHEA STUART T 437 STATE RT 381 SEDALIA, KY 42079
F1 PARCEL ID: 109.00.00.035.00 RICKY J HOOD 356 STATE ROUTE 381 SEDALIA, KY 42066	Q1 PARCEL ID: 109.01.00.020.00 CARLOS DEAN & LANDYN MAKENZIE FRIESEN 1697 STATE ROUTE 339 EAST SEDALIA, KY 42079	B2 PARCEL ID: 109.01.00.017.00 CLYMER RICHARD A 1765 ST RT 339 E SEDALIA, KY 42079	M2 PARCEL ID: 109.01.00.146.00 WEST MASON LEE & LINDA F 1840 STATE ROUTE 339 E SEDALIA, KY 42079
G1 PARCEL ID: 109.00.00.047.00 LYLE & LORA CANTER 345 STATE ROUTE 381 SEDALIA, KY 42079	R1 PARCEL ID: 109.01.00.023.00 GLYNN E & TERRY LYNN COLTHARP 204 STATE RT 381 SEDALIA, KY 42079	C2 PARCEL ID: 109.00.00.045.00 COCKE TAMMY L & FOX BILLY & JANET 395 STATE RT 381 SEDALIA, KY 42079	N2 PARCEL ID: 109.00.00.038.00 WEST KY RURAL ELECT CORP P O BOX 589 MAYFIELD, KY 42066
H1 PARCEL ID: 109.00.00.048.00 LYLE & LORA CANTER 345 STATE ROUTE 381 SEDALIA, KY 42079	S1 PARCEL ID: 109.01.00.023.01 GREG AND MARTHA BOYD TRUST 585 STATE ROUTE 339 EAST MAYFIELD, KY 42066	D2 PARCEL ID: 109.00.00.031.00 GALLOWAY RICHARD & CATHY & GALLOWAY LARRY 6659 STATE RT 97 MAYFIELD, KY 42066	
I1 PARCEL ID: 109.00.00.049.00 DOUGLAS THOMAS 281 STATE RT 381 SEDALIA, KY 42079	T1 PARCEL ID: 109.01.00.024.00 MARY BETH CATES 182 ST RT 381 SEDALIA, KY 42079	E2 PARCEL ID: 109.00.00.032.01 GOUGH BILLY R & BRENDA J 564 STATE RT 381 SEDALIA, KY 42079	
J1 PARCEL ID: 109.00.00.050.00 CHARLES T & SARAH K ARANT 265 STATE ROUTE 381 SEDALIA, KY 42079	U1 PARCEL ID: 109.01.00.025.00 LOUIS W & CHRISTINA K KEMP 148 STATE ROUTE 381 SEDALIA, KY 42079	F2 PARCEL ID: 109.01.00.005.00 HENSLEY JERRY 6201 ST RT 97 MAYFIELD, KY 42066	
K1 PARCEL ID: 109.00.00.052.00 GERALD & SHIRLEY COLTHARP 1425 VEALSBURG ROAD SEDALIA, KY 42079	V1 PARCEL ID: 109.01.00.143.00 BLANTON LONNIE & CONNIE 1644 ST RT 1382 SEDALIA, KY 42079	G2 PARCEL ID: 109.01.00.142.00 HERITAGE CAPITAL LLC 44 NORTHSIDE DR MAYFIELD, KY 42066	

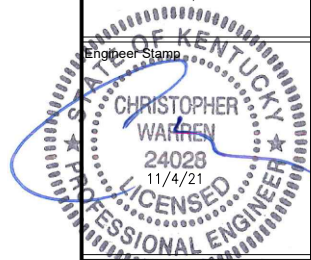
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SCALE: NOT TO SCALE

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2136-Z0001-C

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15403957
TI-OPP-17997
SEDALIA
230 STATE ROUTE 381
SEDALIA, KY 42079



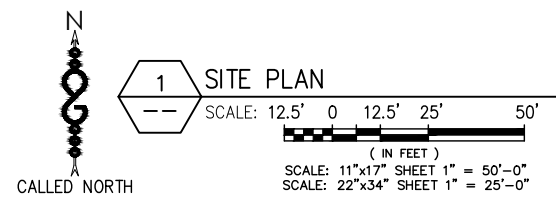
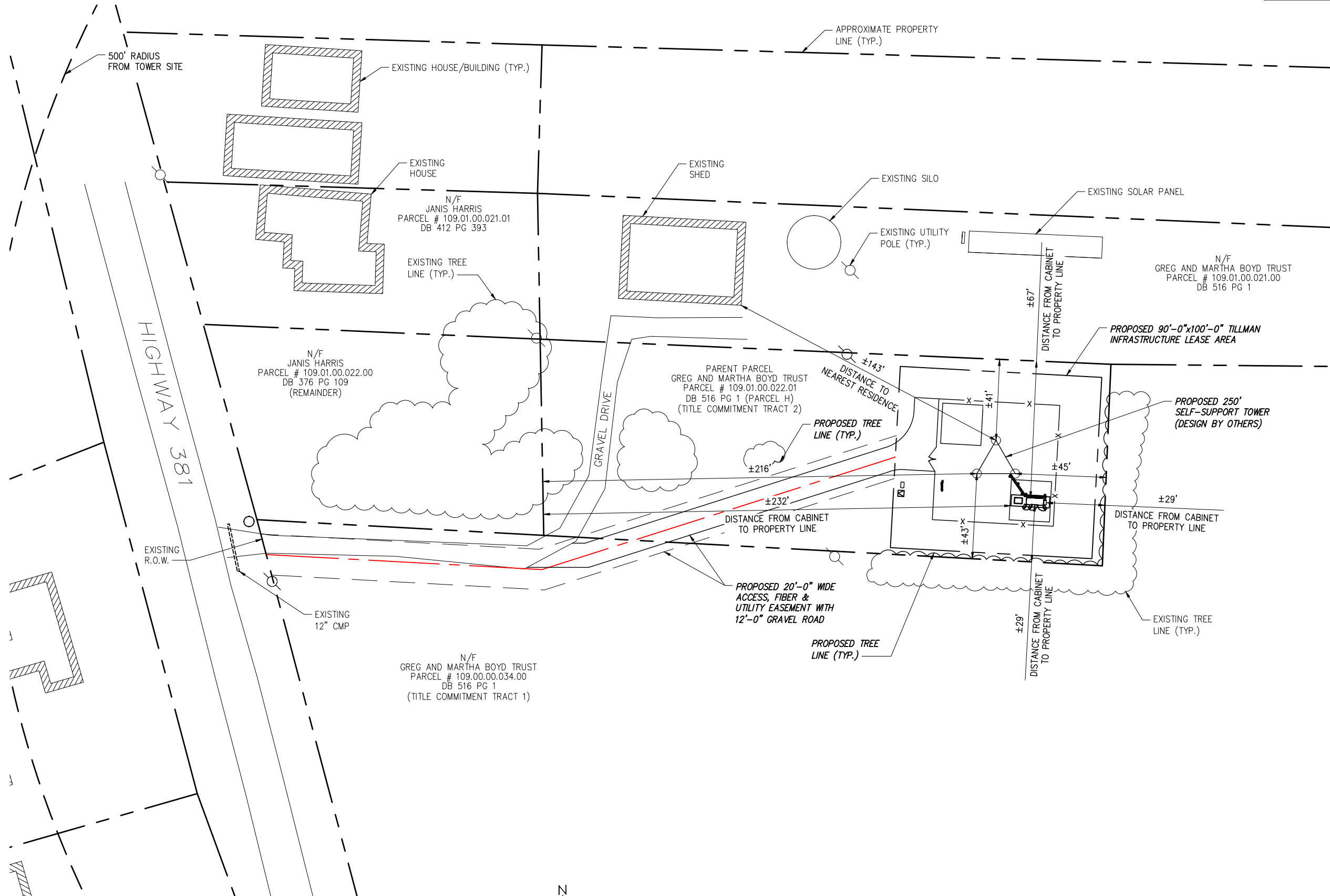
Drawing Title
PARCEL KEY

Drawing Scale:
AS NOTED
Date:
09/28/21
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Drawing Number
C3.1

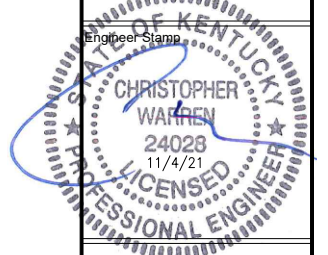
CENTER OF PROPOSED TOWER:
 LAT: 36° 38' 16.29" (36.637858°) N
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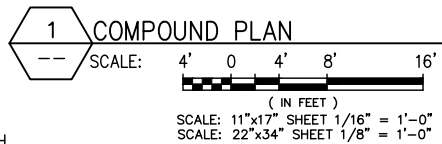
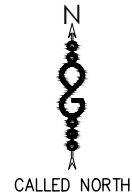
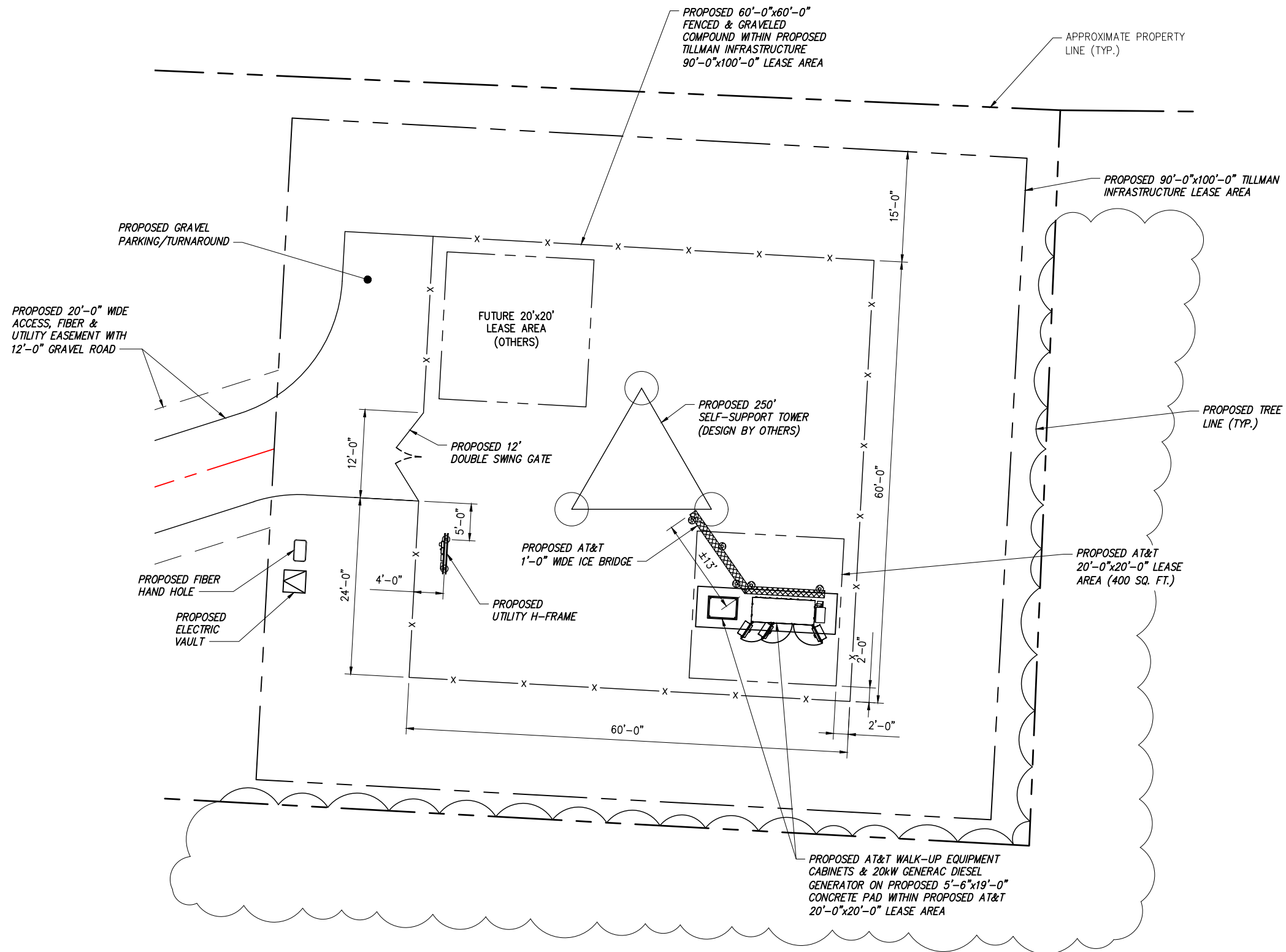
Drawing Title
 SITE PLAN

Drawing Scale:
 AS NOTED
 Date:
 09/28/21

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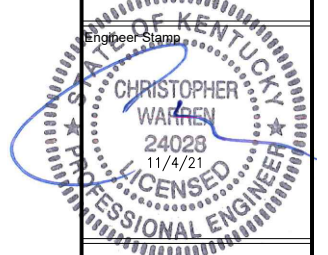
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Drawing Number
C3.2



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Project Number	2136-Z0001-C		

Project Title
 15403957
 TI-OPP-17997
 SEDALIA
 230 STATE ROUTE 381
 SEDALIA, KY 42079



Drawing Title
 COMPOUND PLAN

Drawing Scale:
 AS NOTED
 Date:
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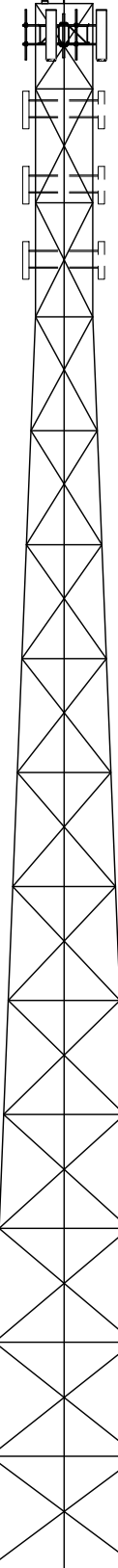
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Drawing Number
C4

- TOP OF PROPOSED LIGHTNING ROD
ELEV. = 260'-0" AGL
- TOP OF PROPOSED TOWER
ELEV. = ±250'-0" AGL
- C OF PROPOSED ANTENNAS
ELEV. = ±245'-0" AGL
- C OF FUTURE ANTENNAS
ELEV. = ±233'-0" AGL
- C OF FUTURE ANTENNAS
ELEV. = ±221'-0" AGL
- C OF FUTURE ANTENNAS
ELEV. = ±209'-0" AGL

PROPOSED BEACON LIGHT
PROPOSED LIGHTNING ROD



INFINIGY ENGINEERING HAS NOT EVALUATED THE TOWER OR LOADING FOR THIS SITE AND ASSUMES NO LIABILITY FOR THE STRUCTURAL INTEGRITY OF THE PROPOSED TOWER INSTALLATION. CONTRACTOR TO REFER TO TOWER DRAWINGS BY TOWER MANUFACTURER PRIOR TO CONSTRUCTION.

PROPOSED 250'-0" SELF-SUPPORT TOWER (DESIGN BY OTHERS)

PROPOSED CHAINLINK FENCE (TYP.)

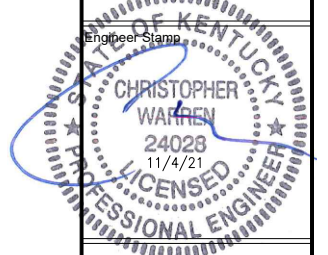
● GRADE
ELEV. = ±0'-0" AGL

1 TOWER ELEVATION
-- SCALE: NOT TO SCALE



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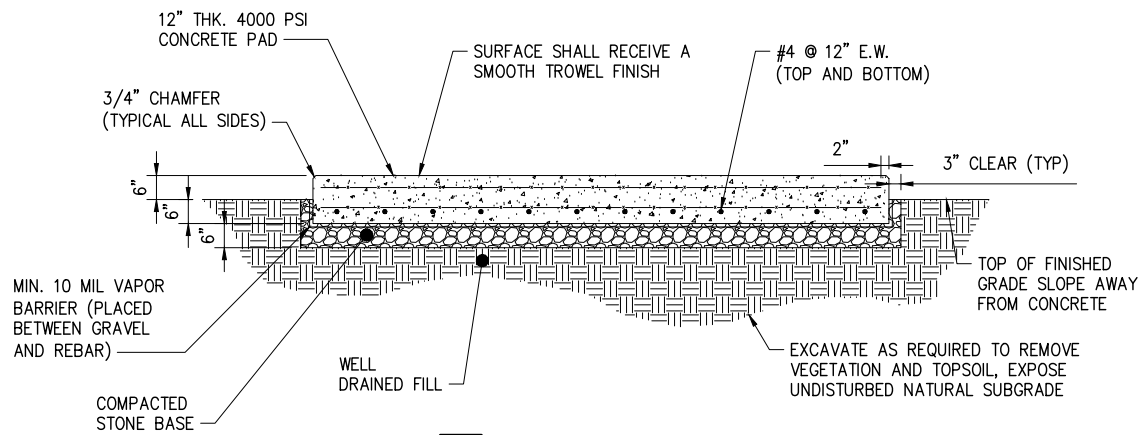


Drawing Title
TOWER ELEVATION

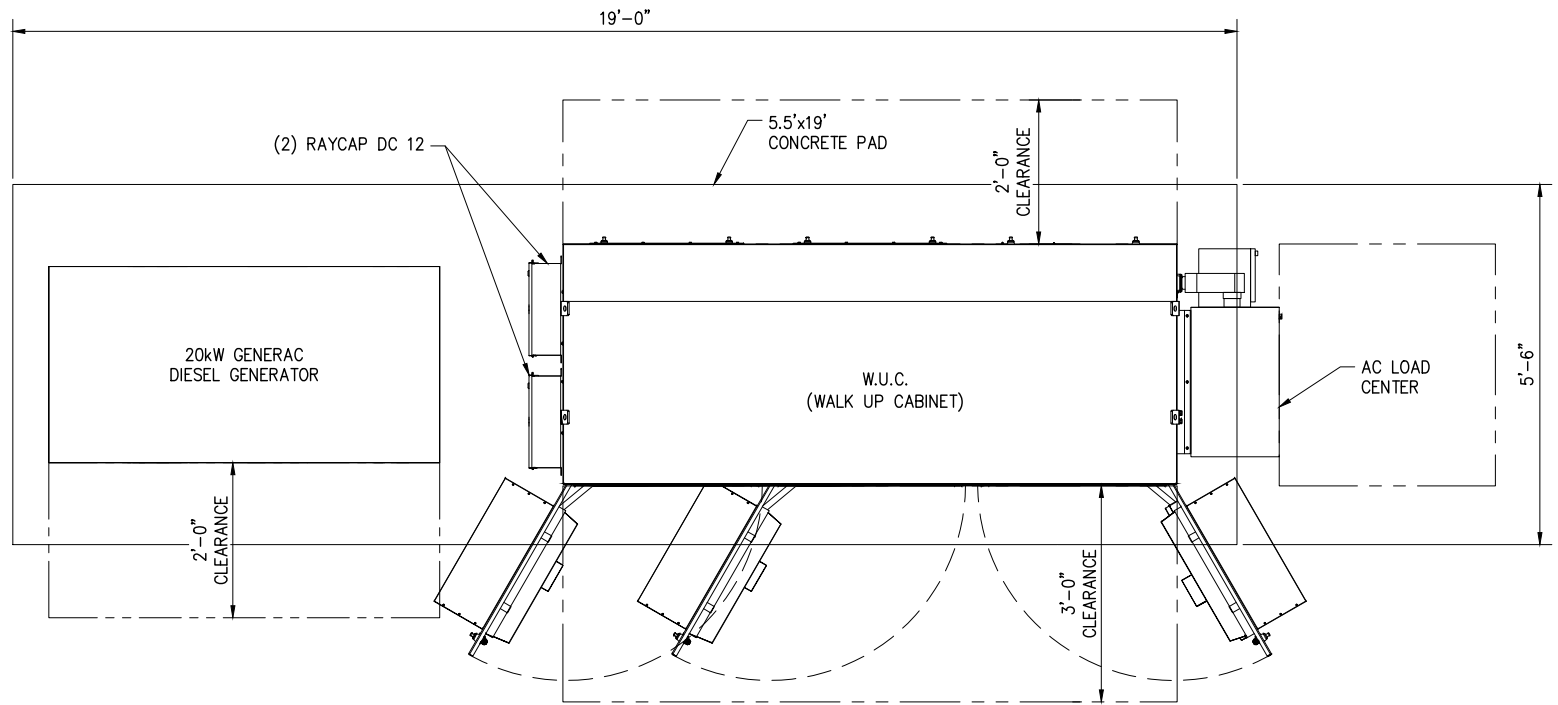
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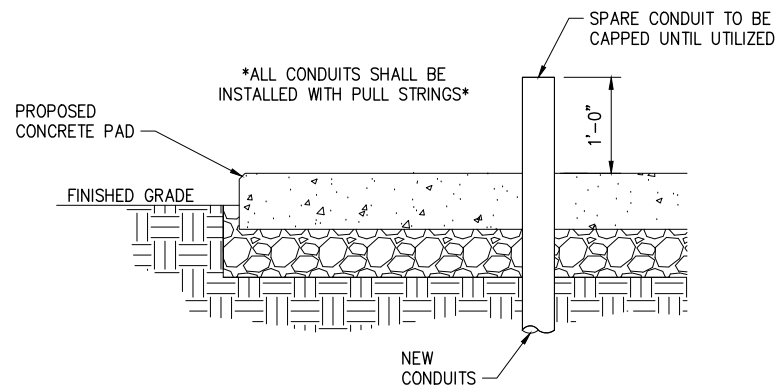
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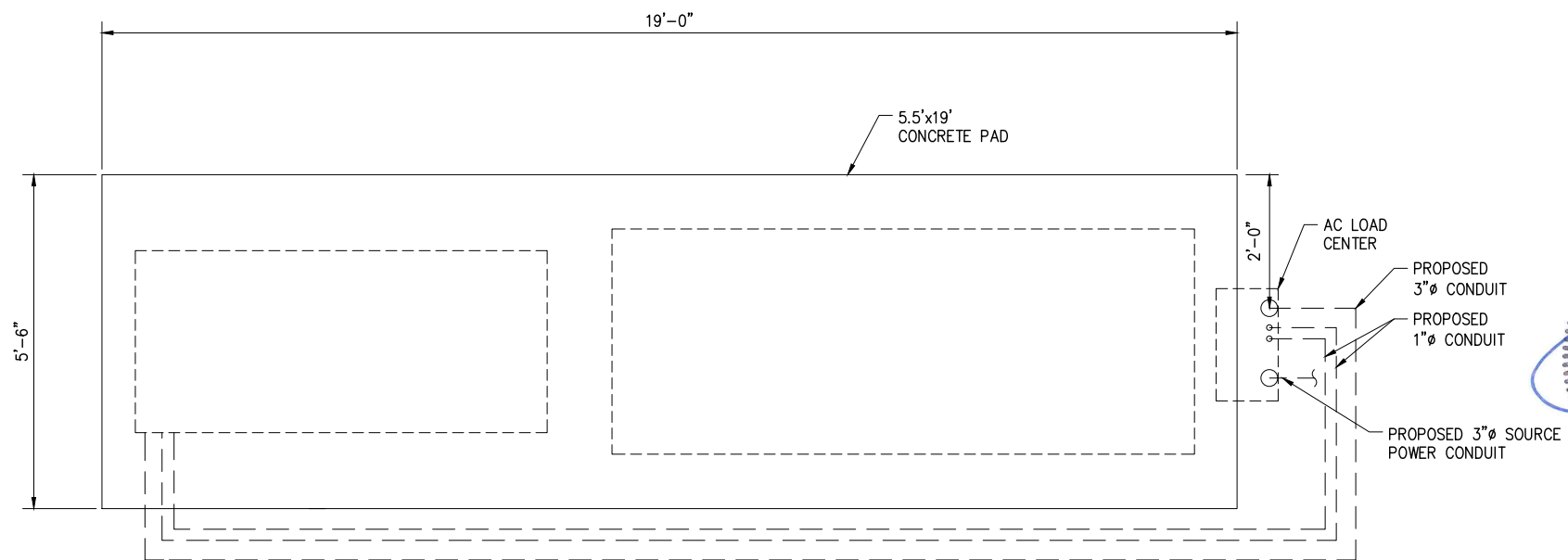
1 CONCRETE PAD DETAIL
--- NOT TO SCALE



2 EQUIPMENT PAD LAYOUT
--- NOT TO SCALE



3 CONDUIT PENETRATION DETAIL
--- NOT TO SCALE



NOTE:
EQUIPMENT PAD/UTILITY LAYOUT SHOWN
IS FOR REFERENCE & CONTRACTOR
SHALL USE SITE SPECIFIC GENERATOR
SPECIFICATIONS FOR UTILITY LAYOUT.

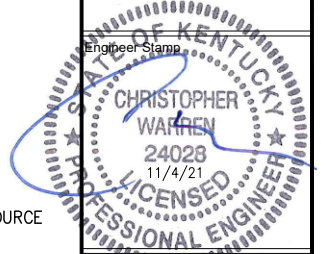
4 EQUIPMENT PAD/UTILITY LAYOUT
--- NOT TO SCALE

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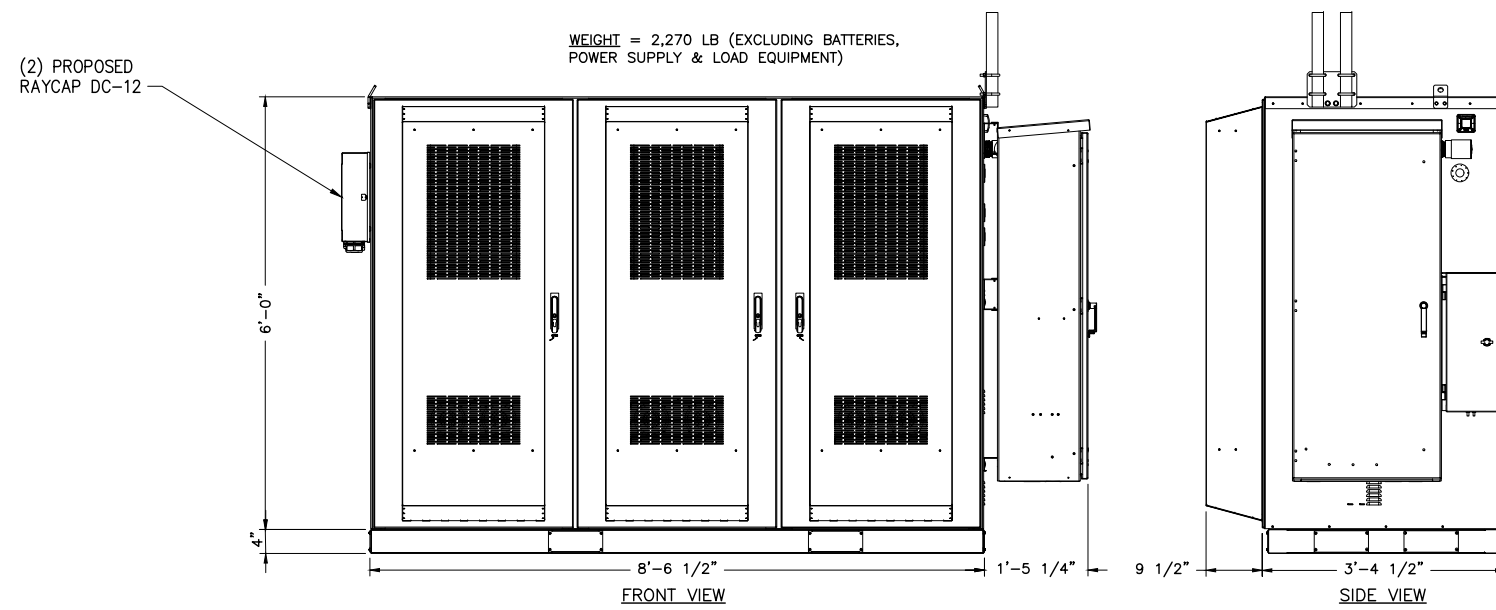


Drawing Title
EQUIPMENT PAD
LAYOUT &
CONSTRUCTION
DETAILS

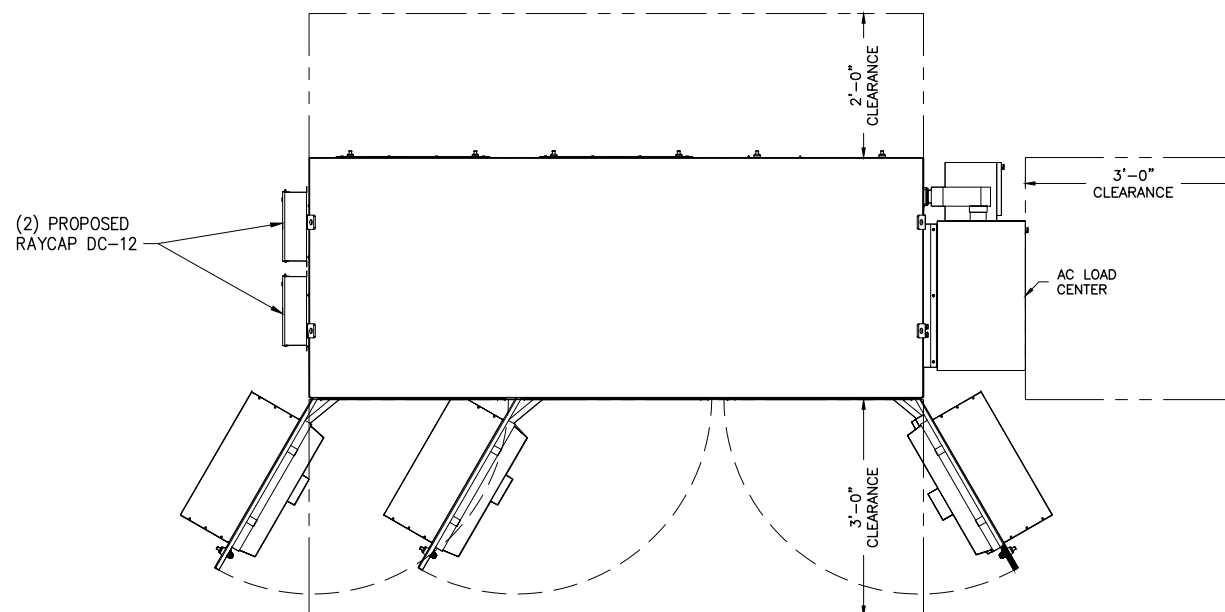
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C6



1 WALK UP CABINET ELEVATIONS – DELTA ESOF030-HCU01
--- NOT TO SCALE



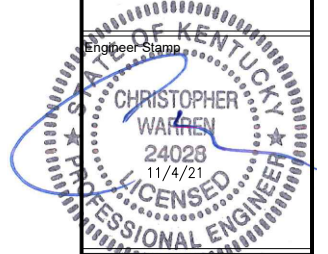
2 WALK UP CABINET – DELTA ESOF030-HCU01 PLAN
--- NOT TO SCALE

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Drawing Title
CONSTRUCTION
DETAILS

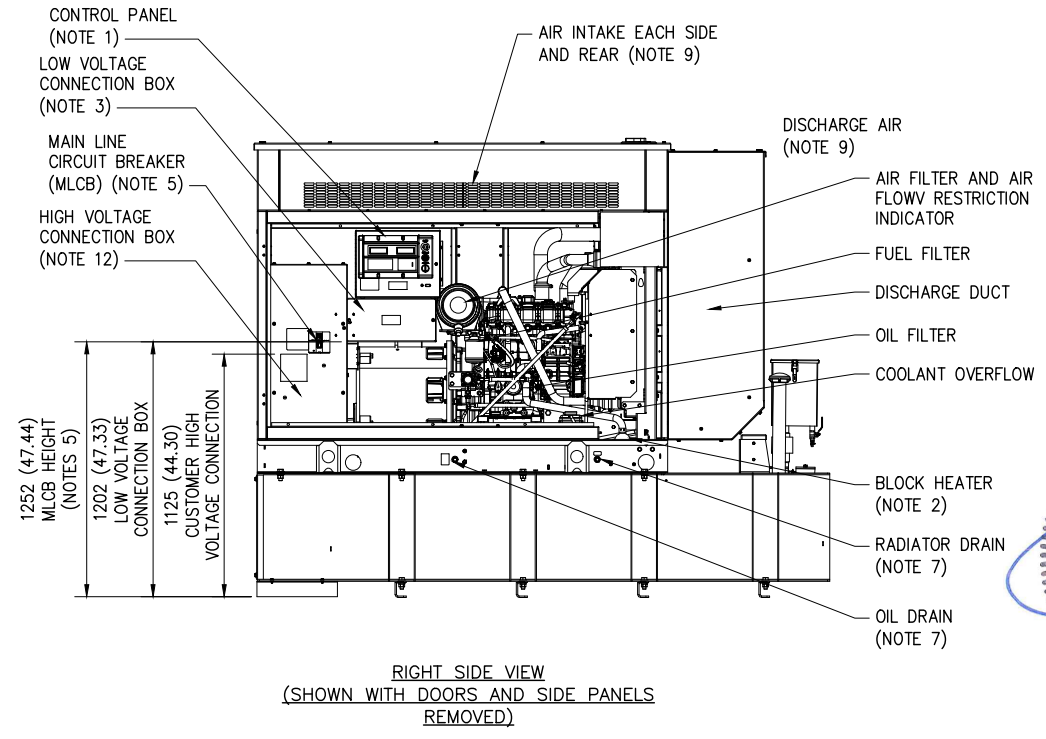
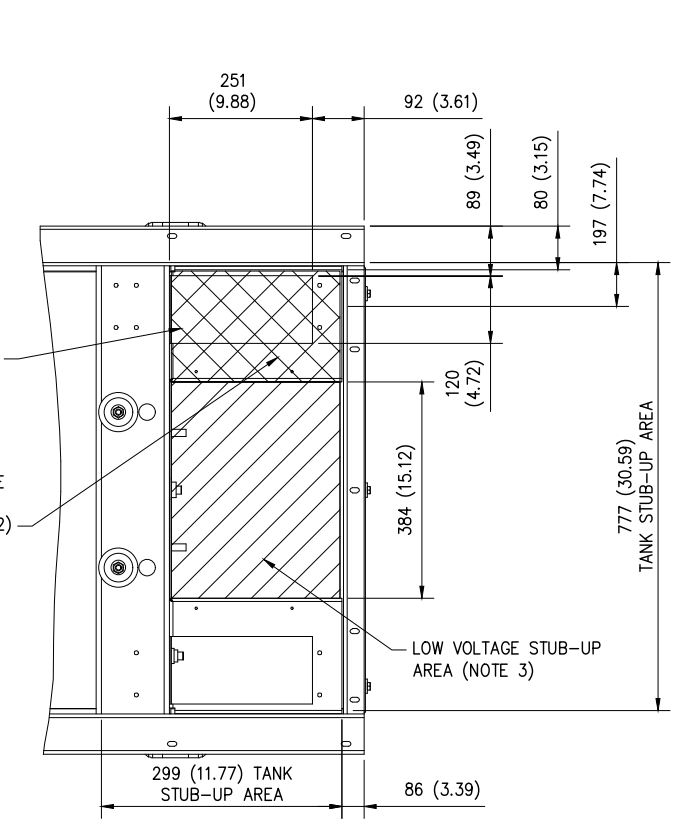
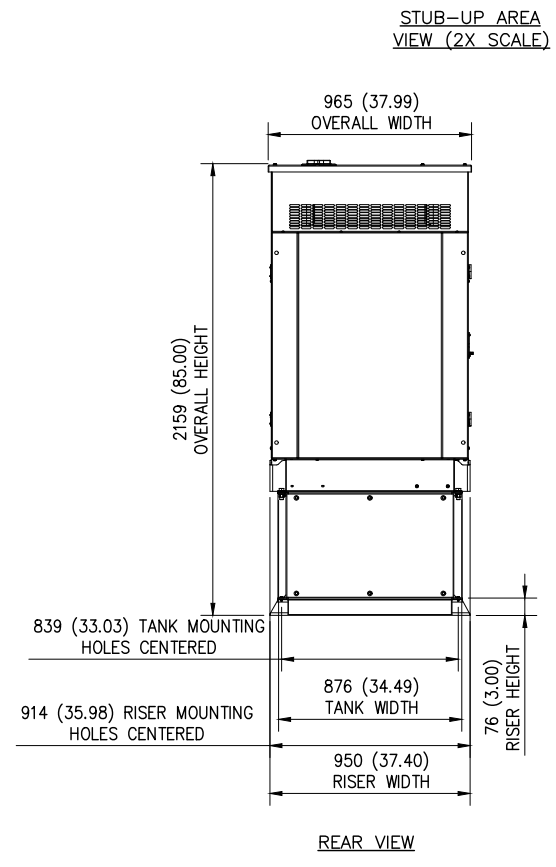
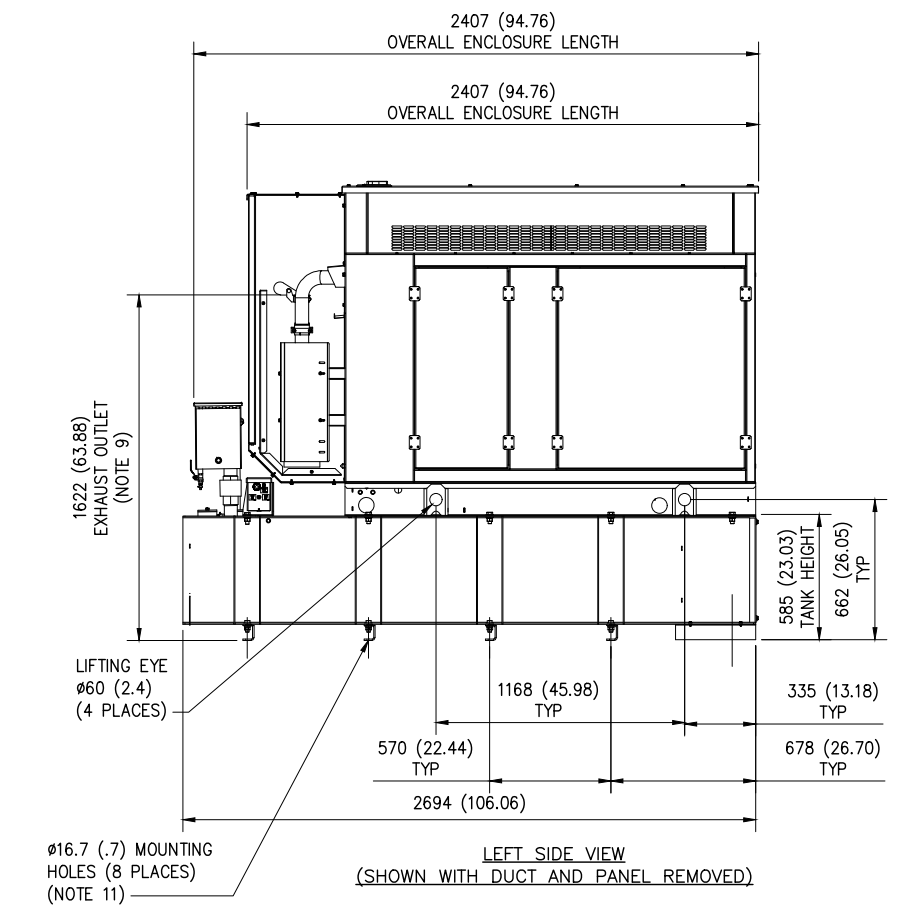
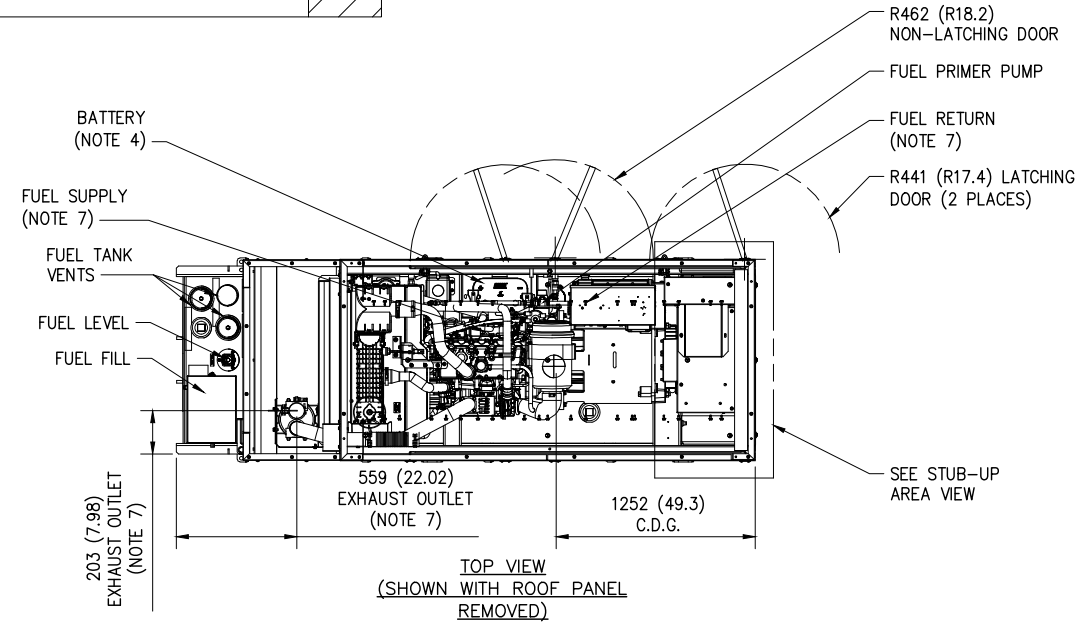
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Drawing Number

C6.1

RECOMMENDED ELECTRICAL STUB-UPS	
(HIGH VOLTAGE STUB-UP) AC LOAD LESD CONDUIT FDR PERMANENT MAGNET EXCITATION	
(LOW VOLTAGE STUB-UP)	



- NOTES:
- CONTROL PANEL (10A BATTERY CHARGER INSIDE)
 - 120V, 20A GFCI & 250V, 15A OUTLET
 - CONNECTION POINTS FOR CONTROL WIRES PROVIDED IN THE LOW VOLTAGE CONNECTION BOX (USE LOW VOLTAGE STUB-UP AREA)
 - BATTERY (12 VOLT NEGATIVE GROUND SYSTEM).
 - MAIN LINE CIRCUIT BREAKER (MLCB) (MLCB HEIGHT MAY VARY WITH CB SELECTION), AC LOAD LEADS CONNECT DIRECTLY TO BOTTOM OF BREAKER.
 - CENTER OF GRAVITY AND WEIGHT MAY SHIFT SLIGHTLY DUE TO UNIT OPTIONS
 - ENGINE SERVICE CONNECTIONS:
 FUEL SUPPLY= 3/8" NPT
 FUEL RETURN= 3/8" NPT
 OIL DRAIN = 1/2" NPT
 RADIATOR DRAIN = 1/2" NPT
 EXHAUST OUTLET = 2.5" I.D.
 - STUB-UPS: BASE TANK REQUIRES ALL STUB-UPS TO BE IN THE REAR TANK STUB-UP AREA.
 - GENERATOR SET MUST BE INSTALLED SUCH THAT FRESH COOLING AIR IS AVAILABLE AND DISCHARGE AIR IS NOT RECIRCULATED. SEE SPEC SHEET FDR MINIMUM AIR FLOW AND MAXIMUM RESTRICTION REQUIREMENTS.
 - BOTTOM OF GENERATOR SET MUST BE CLOSED TO PREVENT PEST INTRUSION AND RECIRCULATION OF DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW.
 - BOLTS OR STUDS USED TO MOUNT UNIT TO PAD SHALL BE 5/8-11 GRADE 5. USE STANDARD SAE TORQUE SPECS.
 - HIGH VOLTAGE STUB-UP AREA INCLUDES THE AC LOAD LEAD CONNECTIONS TO MLCB, NEUTRAL CONNECTION AND AUXILIARY 120/240V CONNECTION,
 - 132 GALLON USEABLE CAPACITY BASE TANK STANDARD WITH GENERATOR
 - 1500W 120 VAC ENGINE BLOCK HEATER WITH THREE PRONG CORD.
 - FUEL LINES ARE PLUMBED DIRECTLY TO BASE TANK
 - DOORS MUST BE ABLE TO OPEN AT LEAST 90° TO BE REMOVED.
 - GENERATOR MUST BE GROUNDED

WEIGHT DATA: INCLUDES FUEL TANK
 GENERATOR: 1358 [2995]
 GENERATOR WITH SHIPPING SKID: 1424 (3139)

WEIGHT: KG (LBS)
 DIMENSIONS: MM (INCHES)

1 DIESEL GENERATOR - DIESEL GENERATOR (20 KW GENERAC SD20)
 NOT TO SCALE

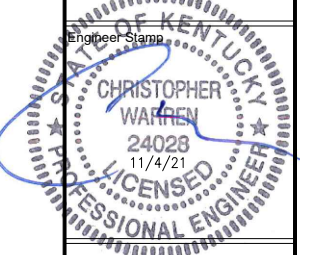


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A	ISSUED FOR REVIEW	CES	09/28/21
No.	Submittal / Revision	App'd	Date

Drawn: CES Date: 09/28/21
 Designed: CES Date: 09/28/21
 Checked: CJW Date: 09/28/21

Project Number: 2136-Z0001-C

Project Title: 15403957 TI-OPP-17997 SEDALIA 230 STATE ROUTE 381 SEDALIA, KY 42079



Drawing Title: GENERATOR DETAILS

Drawing Scale: AS NOTED
 Date: 09/28/21
CD

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Drawing Number: **C7**



8372 E. BROAD ST.
REYNOLDSBURG, OH 43068

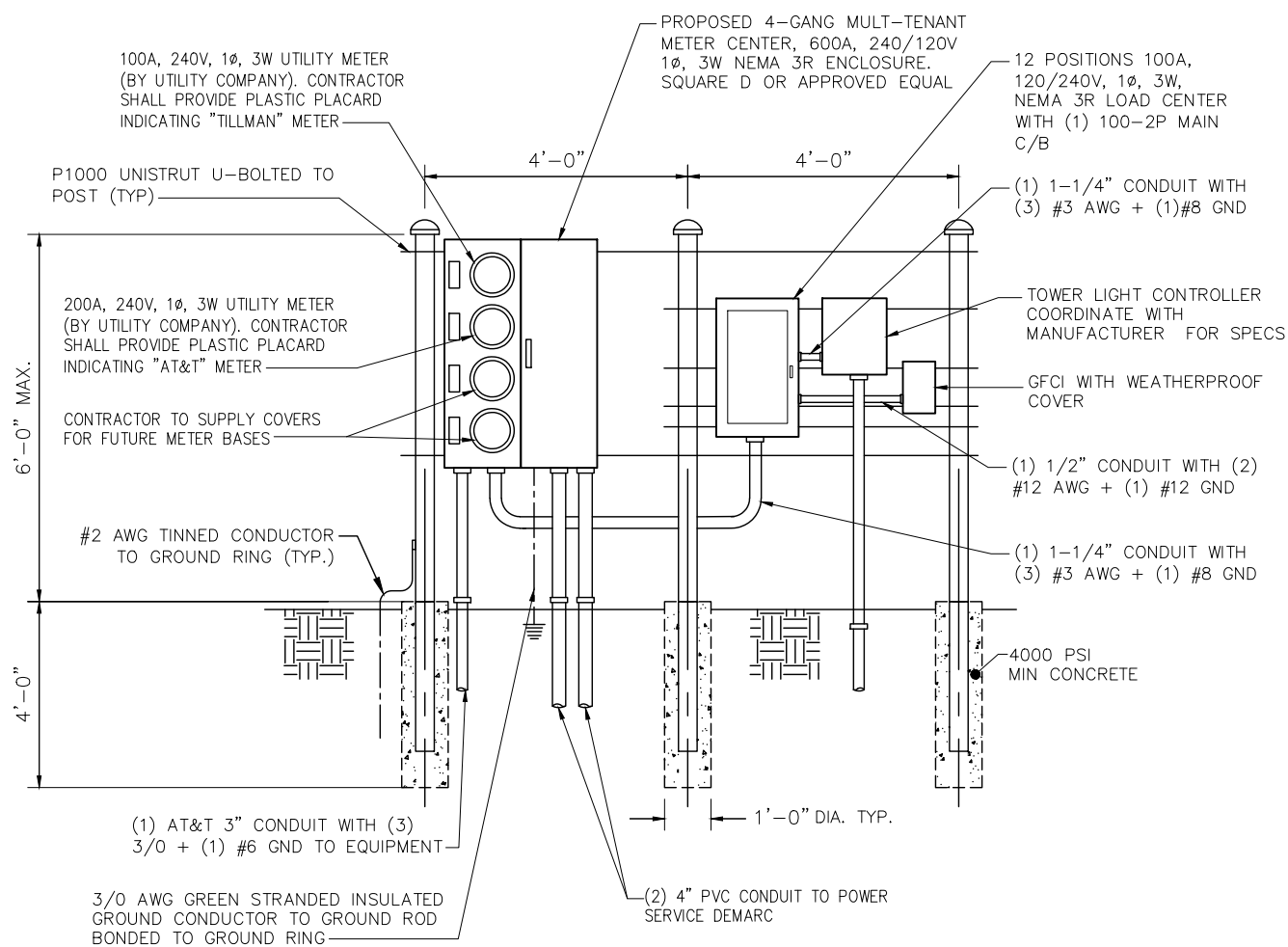


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TEL: 212-706-1677

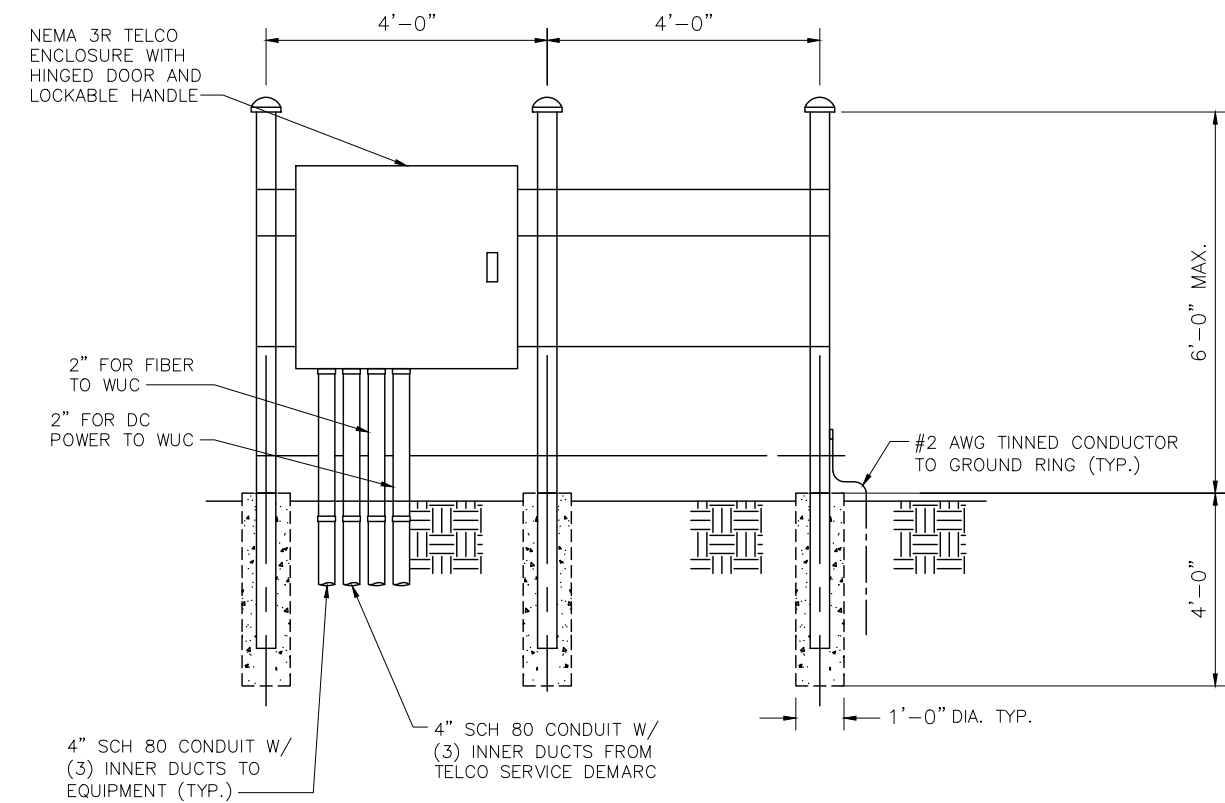


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Office # (678) 444-4463



FRONT



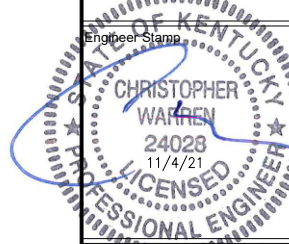
BACK

1 UTILITY BACKBOARD H-FRAME DETAIL
-- NOT TO SCALE

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Project Number
2136-Z0001-C

Project Title
15403957
TI-OPP-17997
SEDALIA
230 STATE ROUTE 381
SEDALIA, KY 42079

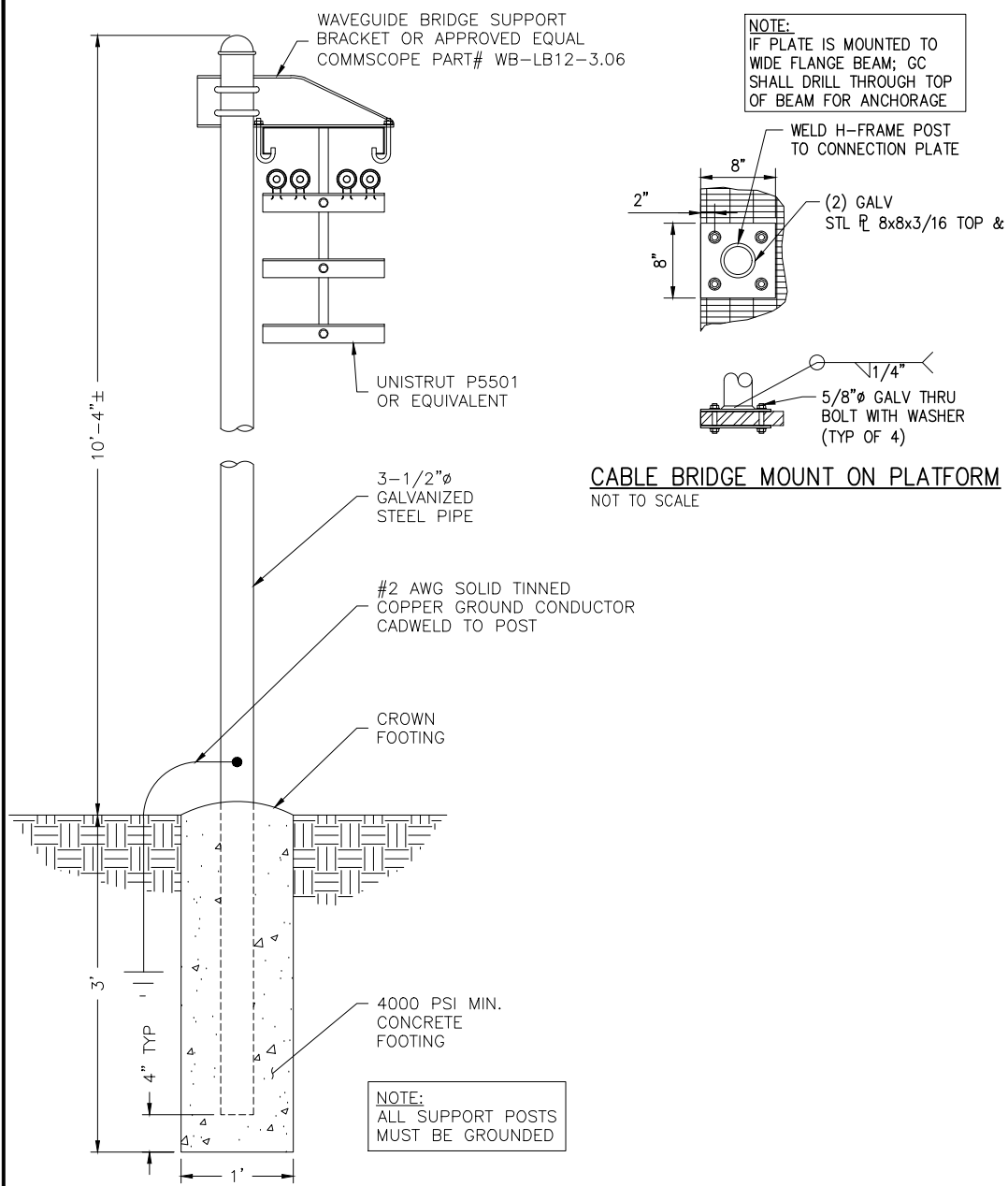


Drawing Title
UTILITY H-FRAME
DETAILS

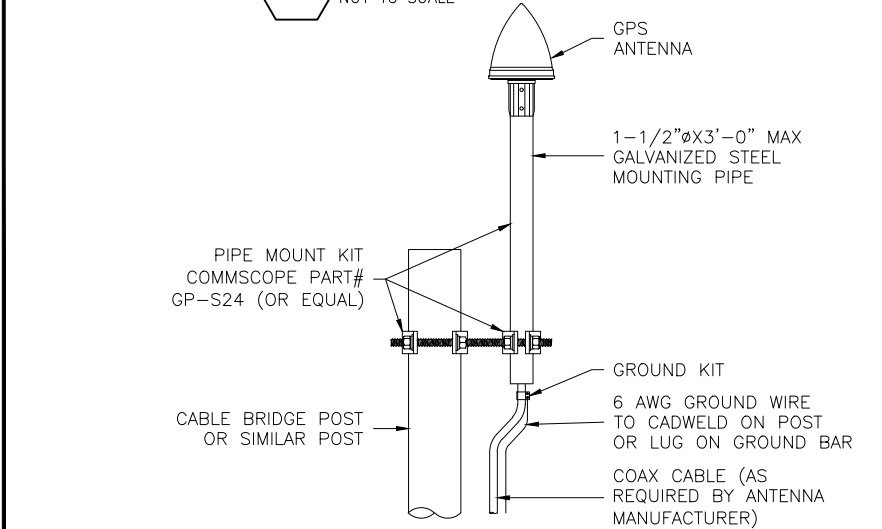
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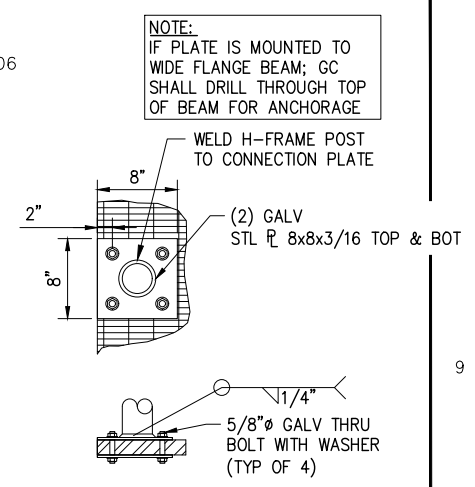
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C8



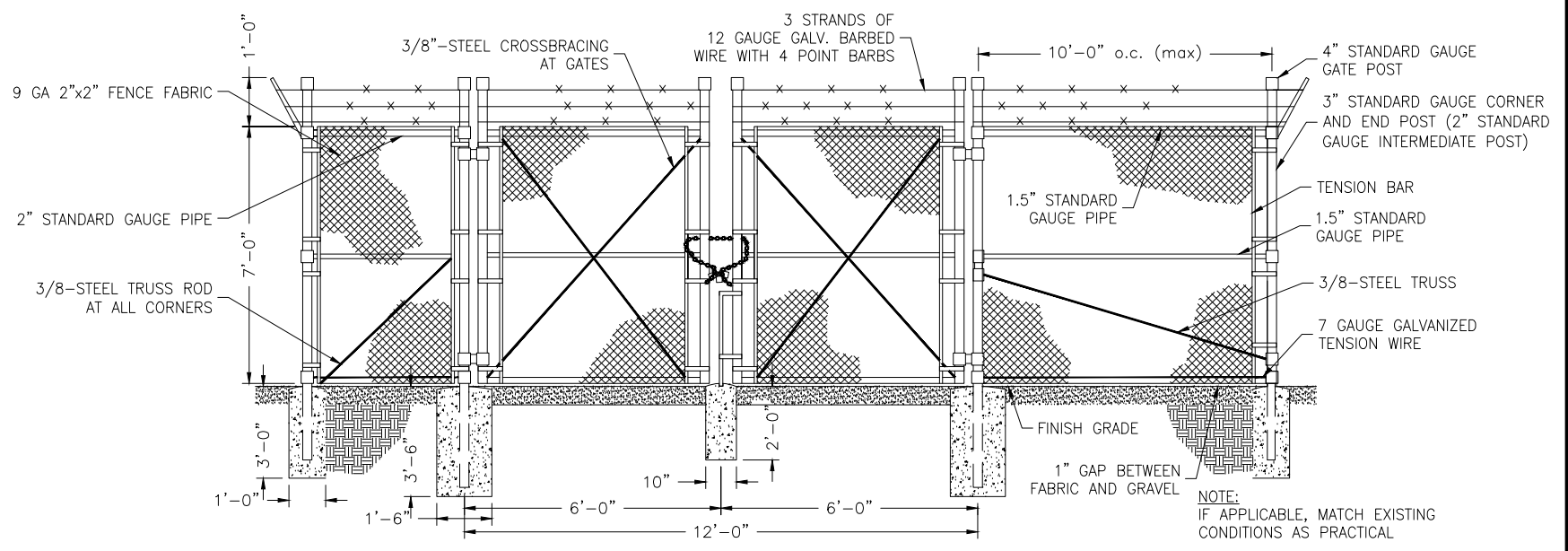
1 CABLE BRIDGE DETAIL
-- NOT TO SCALE



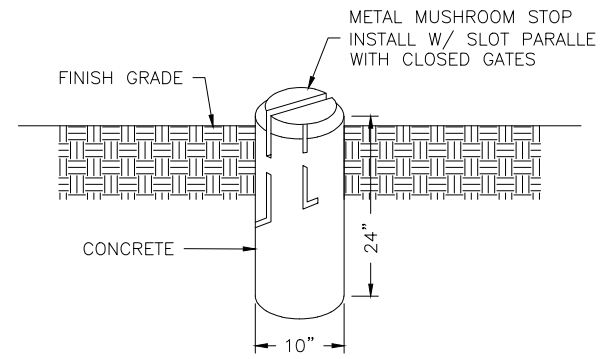
2 GPS ANTENNA MOUNTING DETAIL
-- NOT TO SCALE



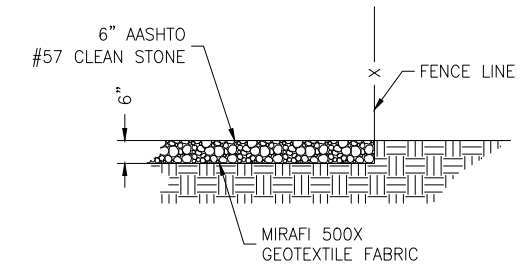
CABLE BRIDGE MOUNT ON PLATFORM
NOT TO SCALE



3 TYPICAL FENCE AND GATE DETAIL
-- NOT TO SCALE



4 MUSHROOM STOP DETAIL
-- NOT TO SCALE

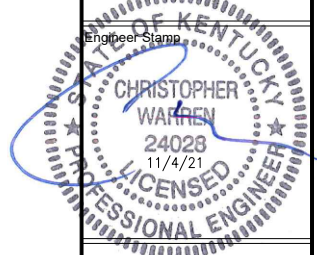


5 GRAVEL COMPOUND DETAIL
-- NOT TO SCALE

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Project Number
2136-20001-C

Project Title
15403957
TI-OPP-17997
SEDALIA
230 STATE ROUTE 381
SEDALIA, KY 42079



Drawing Title
CONSTRUCTION
DETAILS

Drawing Scale:
AS NOTED

Date:
09/28/21

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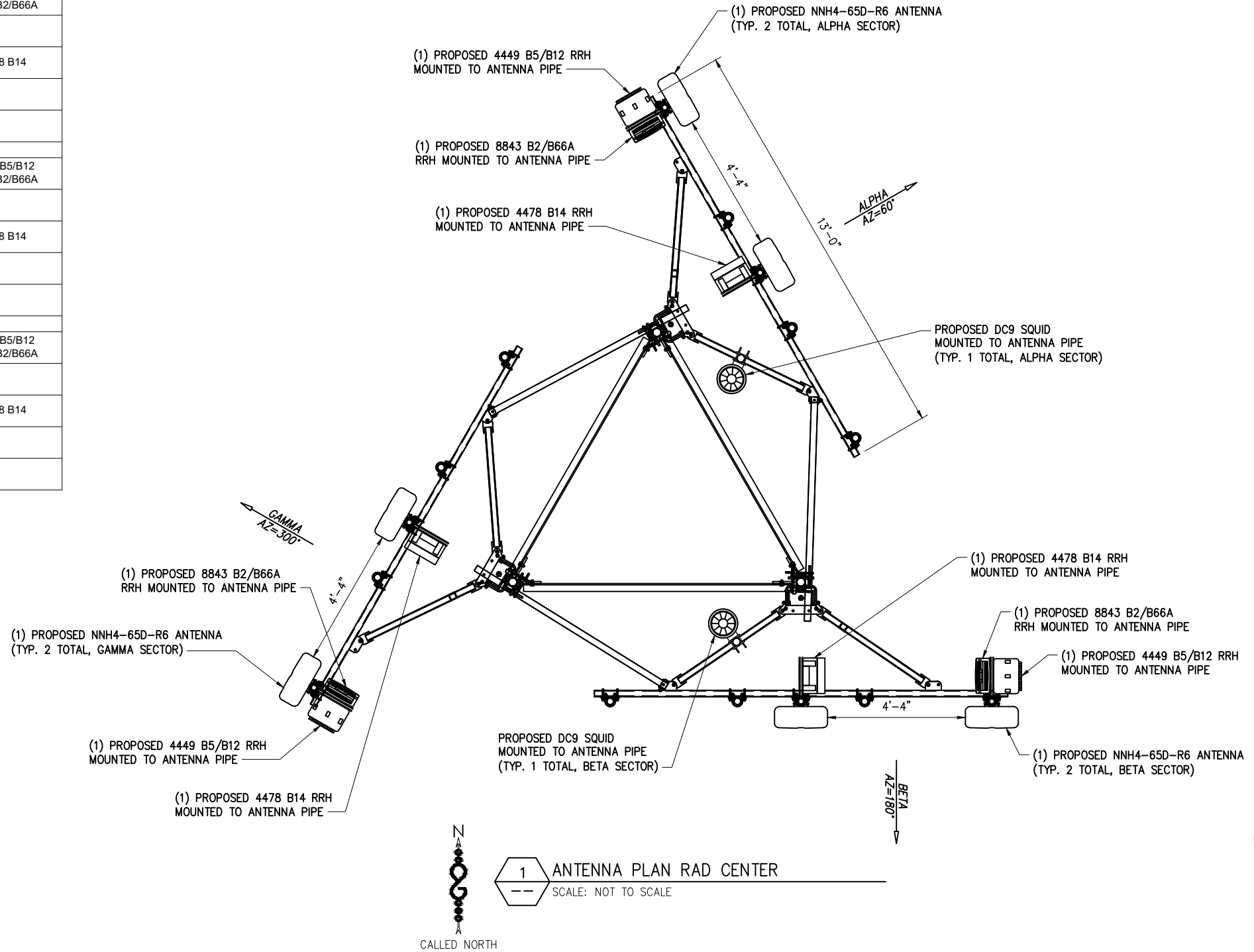
Drawing Number
C9

ANTENNA AND RRH SCHEDULE

SECTOR	ANTENNA MODEL	TECHNOLOGY	AZIMUTH	ANTENNA HEIGHT	RRH MODEL
ALPHA	NNH4-65D-R6	5G 850 LTE 700/1900/AWS	60°	245±	(1) 4449 B5/B12 (1) 8843 B2/B66A
	-	-	-	-	-
	NNH4-65D-R6	LTE 700	60°	245±	(1) 4478 B14
	-	-	-	-	-
BETA	NNH4-65D-R6	5G 850 LTE 700/1900/AWS	180°	245±	(1) 4449 B5/B12 (1) 8843 B2/B66A
	-	-	-	-	-
	NNH4-65D-R6	LTE 700	180°	245±	(1) 4478 B14
	-	-	-	-	-
GAMMA	NNH4-65D-R6	5G 850 LTE 700/1900/AWS	300°	245±	(1) 4449 B5/B12 (1) 8843 B2/B66A
	-	-	-	-	-
	NNH4-65D-R6	LTE 700	300°	245±	(1) 4478 B14
	-	-	-	-	-

CABLE COUNT

QUANTITY	CABLE TYPE
6	6 CONDUCTOR (3 PR) 3/4" DC CABLE
2	36 FIBER (18 PR) 10MM FIBER

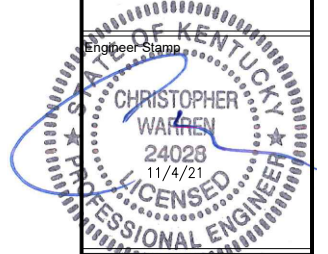


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Project Title
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TI-OPP-17997
SEDALIA
230 STATE ROUTE 381
SEDALIA, KY 42079



Drawing Title
ANTENNA PLAN

Drawing Scale:
AS NOTED

Date:
09/28/21

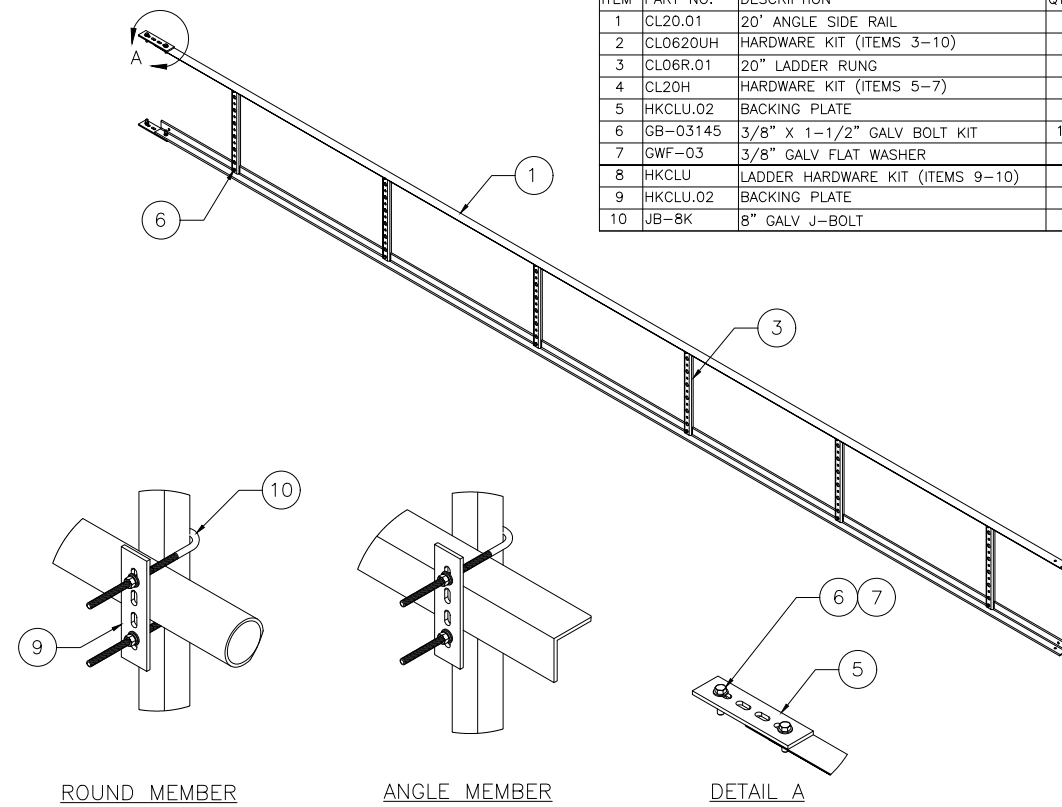
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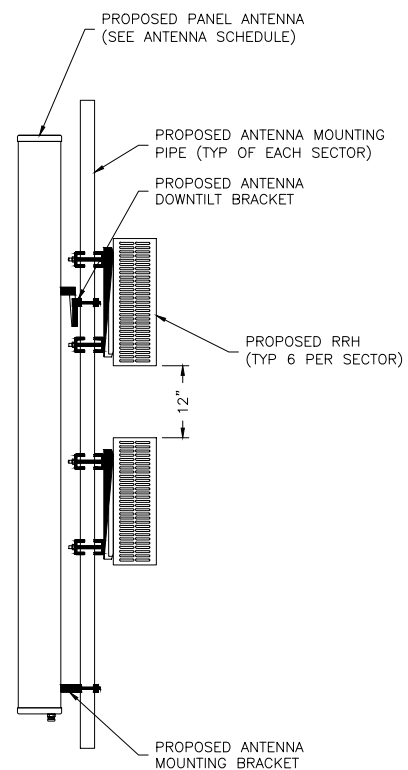
Drawing Number

C10

ITEM	PART NO.	DESCRIPTION	QTY.	WEIGHT
1	CL20.01	20' ANGLE SIDE RAIL	2	49.38 LBS
2	CL0620UH	HARDWARE KIT (ITEMS 3-10)	1	-
3	CL06R.01	20" LADDER RUNG	6	1.69 LBS
4	CL20H	HARDWARE KIT (ITEMS 5-7)	1	-
5	HKCLU.02	BACKING PLATE	2	0.95 LBS
6	GB-03145	3/8" X 1-1/2" GALV BOLT KIT	16	0.07 LBS
7	GW-03	3/8" GALV FLAT WASHER	4	0.01 LBS
8	HKCLU	LADDER HARDWARE KIT (ITEMS 9-10)	2	-
9	HKCLU.02	BACKING PLATE	4	0.95 LBS
10	JB-8K	8" GALV J-BOLT	8	0.36 LBS

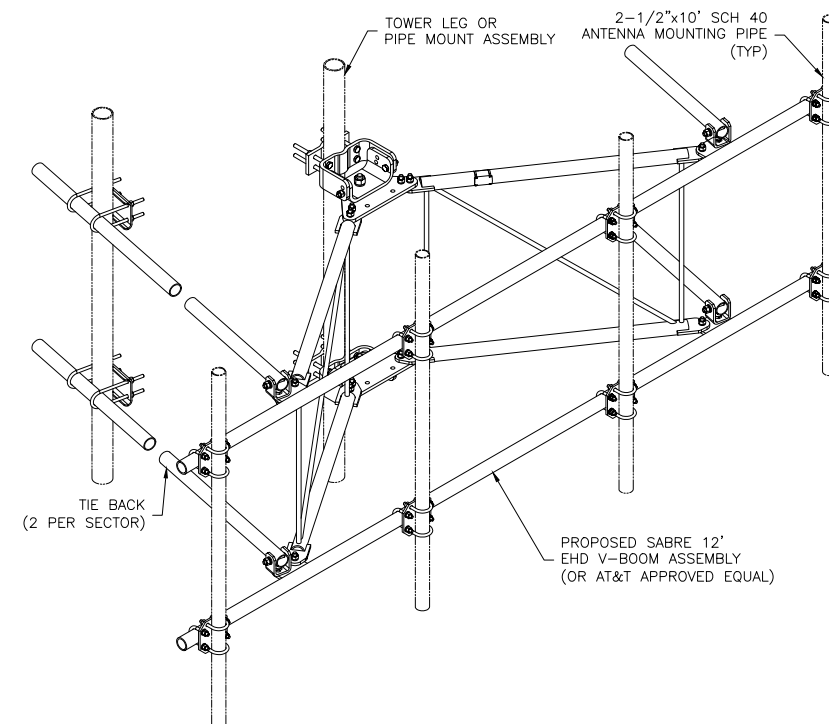


1 ANDREW CABLE LADDER CL-0620-U DETAIL
--- NOT TO SCALE



2 RRH MOUNTING DETAIL
--- NOT TO SCALE

APPROVED AT&T MOUNTS	
MANUFACTURER	MODEL
ADVANCED TOWER	HEAVY WLL-3-NP
BETTER METAL	BVM-U12K-WLL-3
COMMSCOPE	SFG2CT-12-B3
CONNECT-IT WIRELESS	3-PVFM12-3-B
KENWOOD TELECOM	T1672KT12-3S
NEWAVE	ATV-312-3
ROHN PRODUCTS	(3) KY2016A12 (3) KY1995A
SABRE	C10857007C
VALMONT	VFA10-HD3T5NP



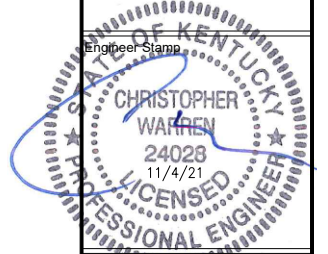
3 ANTENNA MOUNT FRAME DETAIL
--- NOT TO SCALE

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Project Number
2136-Z0001-C

Project Title
15403957
TI-OPP-17997
SEDALIA
230 STATE ROUTE 381
SEDALIA, KY 42079



Drawing Title
DETAILS

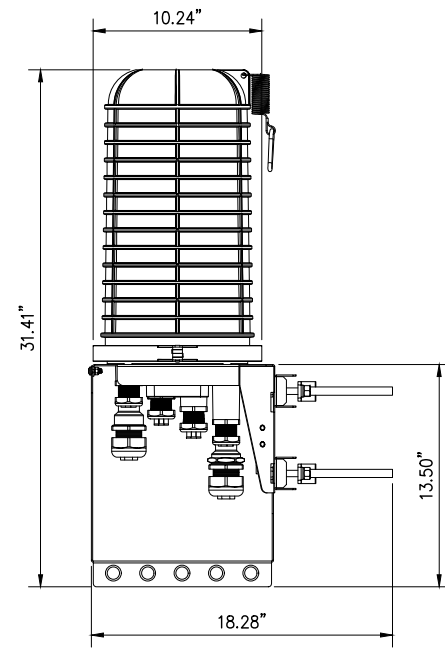
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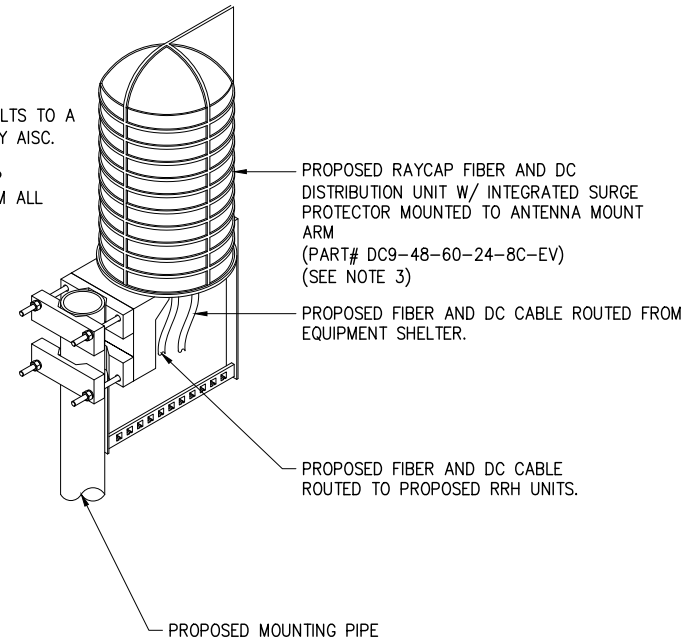
C10.1



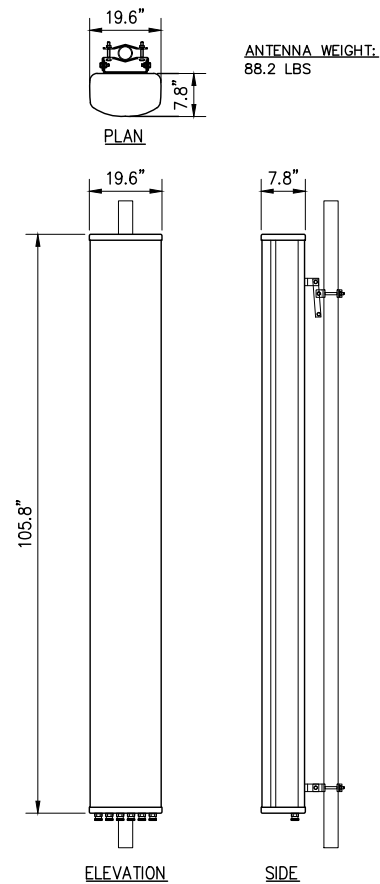
1 RAYCAP DC9-48-60-24-8C-EV DETAIL
-- NOT TO SCALE

NOTES:

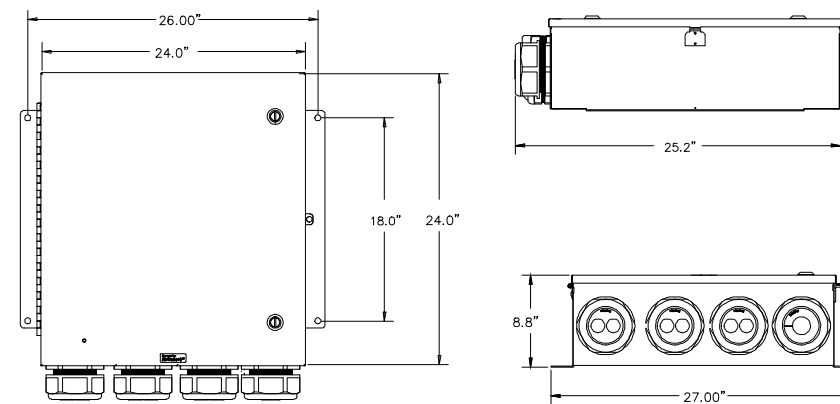
1. UNIT SHALL BE MOUNTED AS PER MANUFACTURER'S RECOMMENDATIONS.
2. CONTRACTOR SHALL TIGHTEN ALL BOLTS TO A "SNUG TIGHT" CONDITION AS DEFINED BY AISC.
3. CONTRACTOR SHALL INSTALL RAYCAP DISTRIBUTION UNIT WITHIN 15 FEET FROM ALL RRHS.



2 RAYCAP MOUNTING DETAIL
-- NOT TO SCALE



3 NNH4-65D-R6 ANTENNA DETAILS
-- NOT TO SCALE



DC SURGE PROTECTION SOLUTIONS DC12-48-60-0-25E
DIMENSIONS, HxWxD: 24.00"x24.00"x8.00"
VOLTAGE PROTECTION RATING (VPR): 400V
VOLTAGE PROTECTION RATING [Up]: 410V
TOTAL WEIGHT: 56.3 lbs

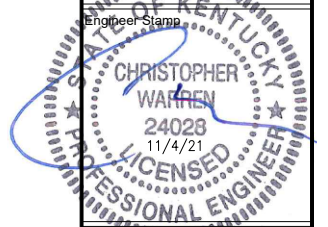
4 DC12 SURGE PROTECTION DETAILS
-- NOT TO SCALE

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Project Title
15403957
TI-OPP-17997
SEDALIA
230 STATE ROUTE 381
SEDALIA, KY 42079



Drawing Title
DC6 & ANTENNA
SPECIFICATIONS

Drawing Scale:
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Date:
09/28/21

CD

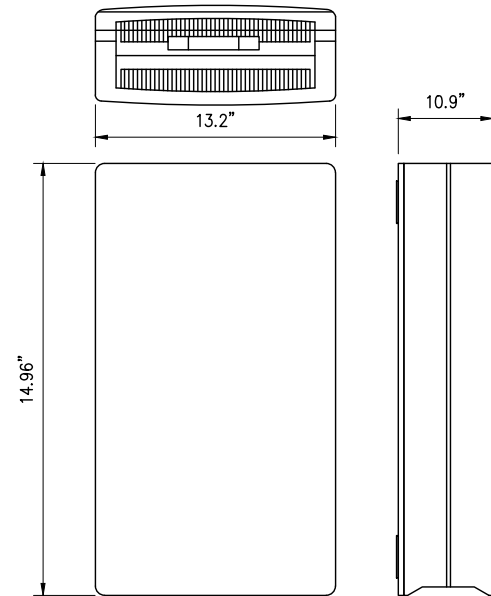
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Drawing Number

C11

ERICSSON RRUS-8843 B2/B66A

- DIMENSIONS (H x W x D):
14.96" x 13.2" x 10.9" (INCLUDES SUNSHIELD)
- WEIGHT: 72.0 LBS
- B2: TX=1930-1990 MHz
RX=1850-1910 MHz
- B66: TX=2110-2180 MHz
RX=1710-1780 MHz
- CPRI 2 PORTS X 2.5/4.9/9.8/10.1 GBPS.

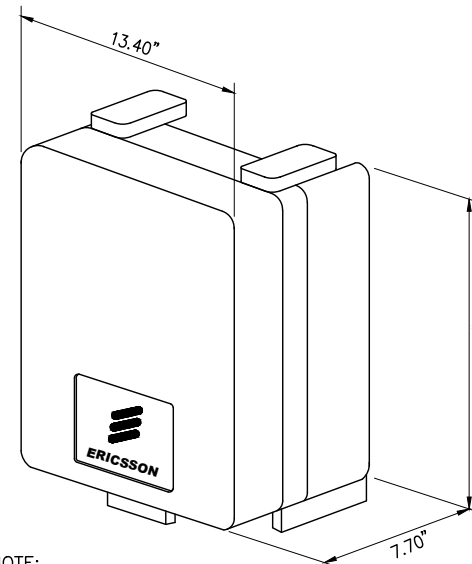


NOTE:
RRUS CAN ONLY BE PAINTED ON SOLAR SHIELD.

1 ERICSSON RRUS 8843 B2/B66A
-- NOT TO SCALE

ERICSSON RRUS-4478 B14

- DIMENSIONS (H x W x D):
16.50" x 13.4" x 7.7" (INCLUDES SUNSHIELD)
- WEIGHT: 59.9 LBS
- TX=869-894 MHz
RX=824-849 MHz
- CPRI 2 PORTS X 2.5/4.9/9.8/10.1 GBPS.

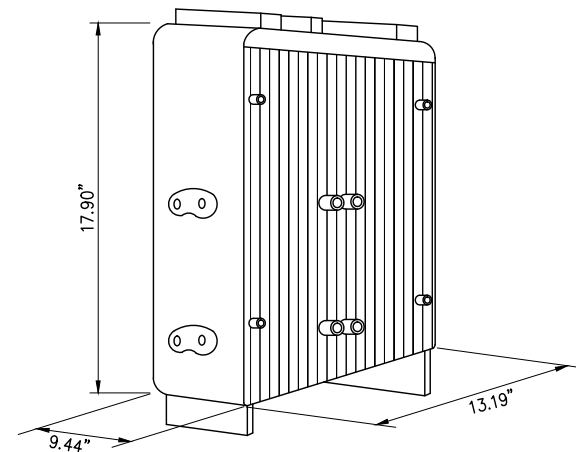


NOTE:
RRUS CAN ONLY BE PAINTED ON SOLAR SHIELD.

2 ERICSSON RRUS 4478 B14
-- NOT TO SCALE

ERICSSON RRUS-4449 B5/B12

- DIMENSIONS (H x W x D):
17.90" x 13.19" x 9.44" (INCLUDES SUNSHIELD)
- WEIGHT: 71.0 LBS
- LTE: MAX 6 CARRIERS PER PORT (DL)
MAX 6 CARRIERS PER PORT (UL)
- CPRI SUPPORT- 2.5/4.9/9.8/10.1 GBPS.



NOTE:
RRUS CAN ONLY BE PAINTED ON SOLAR SHIELD.

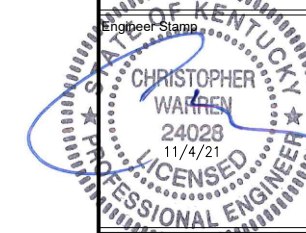
3 ERICSSON RRUS 4449 B5/B12
-- NOT TO SCALE

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230 STATE ROUTE 381
SEDALIA, KY 42079



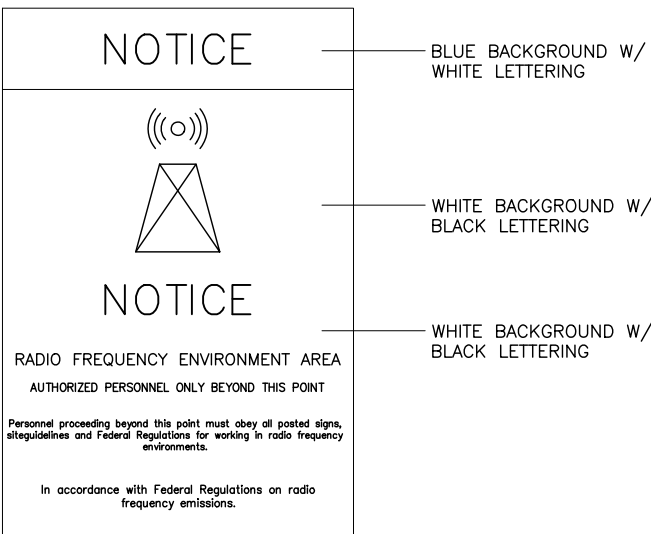
Drawing Title
RRU
DETAILS

Drawing Scale:
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Drawing Number
C12

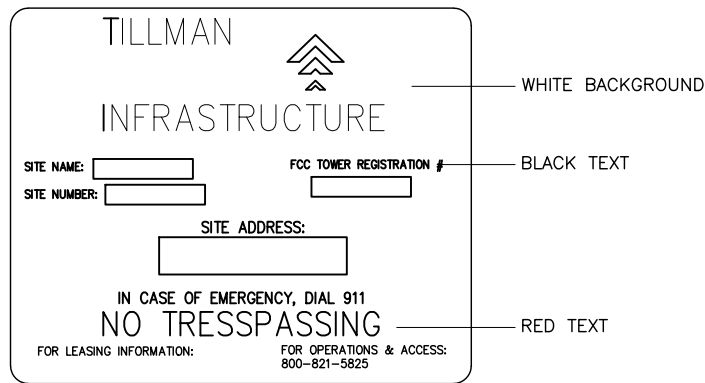


12"x18" DIGITAL PRINT
MOUNTED ON .040
THICK ALUMINUM
(OPERATIONS PROVIDED)

1 NOTICE-RF SIGN (BLUE)
-- NOT TO SCALE

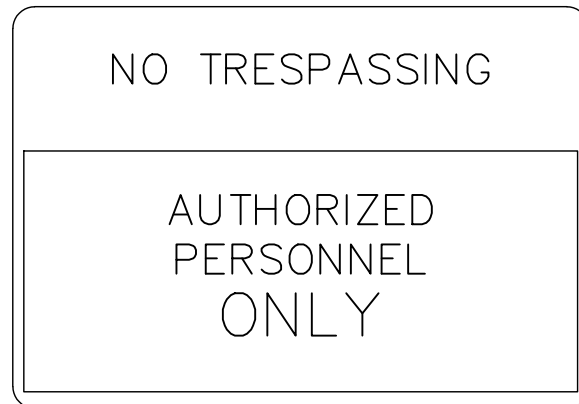
SIGNAGE NOTES:

- SIGNS SHALL BE FABRICATED FROM CORROSION RESISTANT PRESSED METAL & PAINTED WITH LONG LASTING UV RESISTANT COATINGS.
- SIGNS (EXCEPT WHERE NOTED OTHERWISE) SHALL BE MOUNTED TO THE TOWER, GATE & FENCE USING A MINIMUM OF 9 GAUGE ALUMINUM WIRE HOG RINGS (FENCE) OR BRACKETS, WHERE NECESSARY. BRACKETS SHALL BE OF SIMILAR METALS AS THE STRUCTURE TO AVOID GALVANIC CORROSION.
- ADDITIONAL E911 ADDRESS AND FCC REGISTRATION SIGNS SHALL BE MOUNTED AT EACH ACCESS ROAD GATE LEADING TO THE COMPOUND AS WELL AS ON THE COMPOUND GATE ITSELF.
- CARRIER SITE # \$ EMERGENCY CONTACT SIGNS SHALL BE MOUNTED ON THE EQUIPMENT CABINET WITH PERMANENT SET ADHESIVE. TWO SIDED TAPE SHALL BE UTILIZED AT EACH CORNER OF THE BACKSIDE TO AVOID PLACEMENT UNTIL THE ADHESIVE SETS.



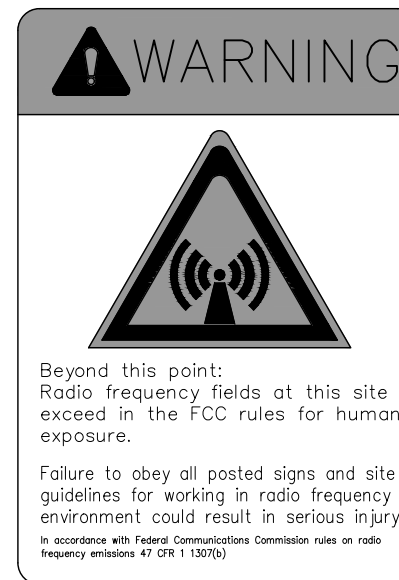
24"x30"
WHITE BACKGROUND, RED/BLACK LETTERING
QUANTITY: 1 OR 2

2 PROPERTY OF TILLMAN INFRASTRUCTURE
-- NOT TO SCALE



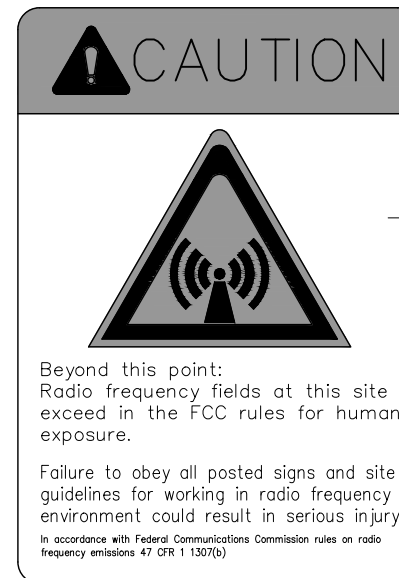
12"x18" .040
ALUMINUM

4 NO TRESSPASSING SIGN
-- NOT TO SCALE



12"x18" DIGITAL PRINT
MOUNTED ON .040
THICK ALUMINUM
(OPERATIONS PROVIDED)

3 WARNING-RF SIGN
-- NOT TO SCALE



12"x18" DIGITAL PRINT
MOUNTED ON .040
THICK ALUMINUM
(OPERATIONS PROVIDED)

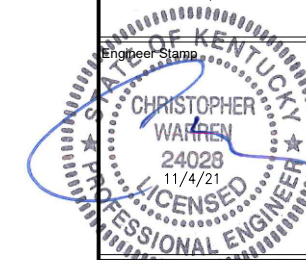
5 CAUTION-RF SIGN
-- NOT TO SCALE

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15403957
TI-OPP-17997
SEDALIA
230 STATE ROUTE 381
SEDALIA, KY 42079



Drawing Title
SIGNAGE DETAILS

Drawing Scale:
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C13



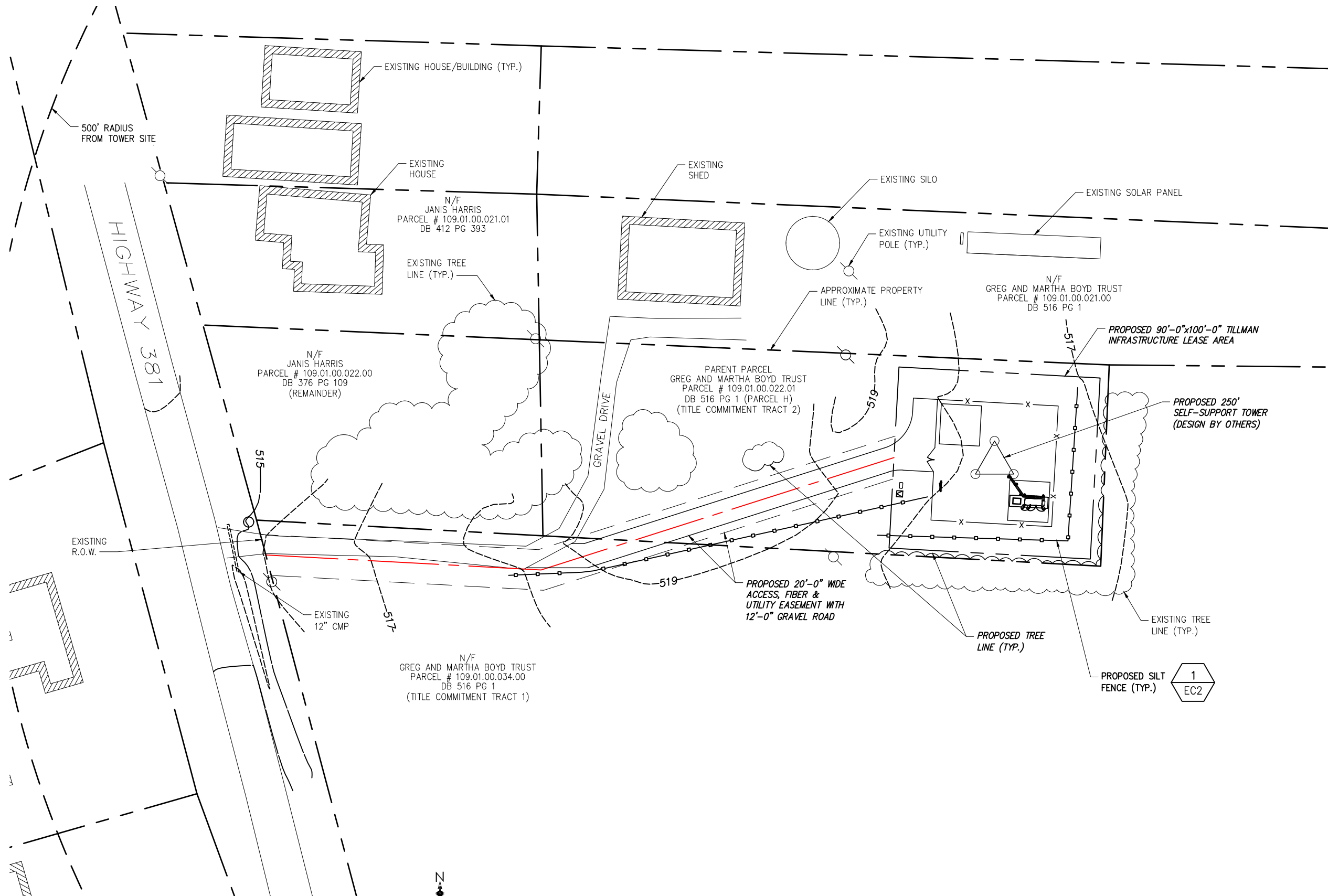
8372 E. BROAD ST.
REYNOLDSBURG, OH 43068



152 W. 57TH STREET
NEW YORK, NEW YORK 10019
TEL: 212-706-1677



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2255 SEWELL MILL ROAD, SUITE 130
MARIETTA, GA 30062
Office # (678) 444-4463

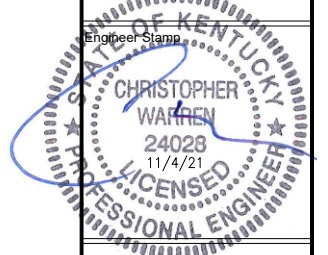


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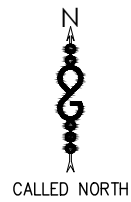
Drawing Title
GRADING, EROSION
& SEDIMENT
CONTROL PLAN

Drawing Scale:
AS NOTED
Date:
09/28/21
CD

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Drawing Number
EC1

1 GRADING, EROSION & SEDIMENT CONTROL PLAN
SCALE: 12.5' 0 12.5' 25' 50'
(IN FEET)
SCALE: 11"x17" SHEET 1" = 50'-0"
SCALE: 22"x34" SHEET 1" = 25'-0"



GRADING & EXCAVATING NOTES:

- ALL EXCAVATIONS ON WHICH CONCRETE IS TO BE PLACED SHALL BE SUBSTANTIALLY HORIZONTAL ON UNDISTURBED AND UNFROZEN SOIL AND BE FREE FROM LOOSE MATERIAL AND EXCESS GROUNDWATER. DEWATERING FOR EXCESS GROUNDWATER SHALL BE PROVIDED IF REQUIRED.
- CONCRETE FOUNDATIONS SHALL NOT BE PLACED ON ORGANIC MATERIAL. IF SOUND SOIL IS NOT REACHED AT THE DESIGNATED EXCAVATION DEPTH, THE UNSATISFACTORY SOIL SHALL BE EXCAVATED TO ITS FULL DEPTH AND EITHER BE REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION BE FILLED WITH CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATION.
- ANY EXCAVATION OVER THE REQUIRED DEPTH SHALL BE FILLED WITH EITHER MECHANICALLY COMPACTED GRANULAR MATERIAL OR CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATION. CRUSHED STONE MAY BE USED TO STABILIZE THE BOTTOM OF THE EXCAVATION. STONE, IF USED, SHALL NOT BE USED AS COMPILING CONCRETE THICKNESS.
- AFTER COMPLETION OF THE FOUNDATION AND OTHER CONSTRUCTION BELOW GRADE, AND BEFORE BACKFILLING, ALL EXCAVATIONS SHALL BE CLEAN OF UNSUITABLE MATERIAL SUCH AS VEGETATION, TRASH, DEBRIS, AND SO FORTH.
- USE APPROVED MATERIALS CONSISTING OF EARTH, LOAM, SANDY CLAY, SAND
-BE FREE FROM CLODS OR STONES OVER 2-1/2" MAXIMUM DIMENSIONS
-BE PLACED IN 6" LAYERS AND COMPACTED TO 95% STANDARD PROCTOR EXCEPT IN GRASSED/LANDSCAPED AREAS, WHERE 90% STANDARD PROCTOR
- REMOVE ALL VEGETATION, TOPSOIL, DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE PRIOR TO PLACING FILLS. PLOW, STRIP, OR BREAK UP SLOPED SURFACES STEEPER THAN THAN 1 VERTICAL TO 4 HORIZONTAL SO FILL MATERIAL WILL BOND WITH EXISTING SURFACE. WHEN SUBGRADE OR EXISTING GROUND SURFACE TO RECEIVE FILL HAS A DENSITY LESS THAN THAT REQUIRED FOR FILL, BREAK UP GROUND SURFACE TO DEPTH REQUIRED, PULVERIZE, MOISTURE-CONDITION OR AERATE SOIL AND RECOMPACT TO REQUIRED DENSITY.
- PROTECT EXISTING GRAVEL SURFACING AND SUBGRADE IN AREAS WHERE EQUIPMENT LOADS WILL OPERATE. USE PLANKING OR OTHER SUITABLE MATERIALS DESIGNED TO SPREAD EQUIPMENT LOADS. REPAIR DAMAGE TO EXISTING GRAVEL SURFACING OR SUBGRADE WHERE SUCH DAMAGE IS DUE TO THE CONTRACTOR'S OPERATIONS. DAMAGED GRAVEL SURFACING SHALL BE RESTORED TO MATCH THE ADJACENT UNDAMAGED GRAVEL SURFACING AND SHALL BE OF THE SAME THICKNESS.
- REPLACE EXISTING GRAVEL SURFACING ON AREAS FROM WHICH GRAVEL SURFACING IS REMOVED DURING CONSTRUCTION OPERATIONS. GRAVEL SURFACING SHALL BE REPLACED TO MATCH EXISTING ADJACENT GRAVEL SURFACING AND SHALL BE OF THE SAME THICKNESS. SURFACES OF GRAVEL SURFACING SHALL BE FREE FROM CORRUGATIONS AND WAVES. EXISTING GRAVEL SURFACING MAY BE EXCAVATED SEPARATELY AND REUSED IF INJURIOUS AMOUNTS OF EARTH, ORGANIC MATTER, OR OTHER DELETERIOUS MATERIALS ARE REMOVED PRIOR TO REUSE. FURNISH ALL ADDITIONAL GRAVEL RESURFACING MATERIAL AS REQUIRED. BEFORE GRAVEL SURFACING IS REPLACED, SUBGRADE SHALL BE GRADED TO CONFORM TO REQUIRED SUBGRADE ELEVATIONS, AND LOOSE OR DISTURBED MATERIALS SHALL BE THOROUGHLY COMPACTED. DEPRESSIONS IN THE SUBGRADE SHALL BE FILLED AND COMPACTED WITH APPROVED SELECTED MATERIAL. GRAVEL SURFACING MATERIAL MAY BE USED FOR FILLING DEPRESSIONS IN THE SUBGRADE, SUBJECT TO ENGINEER'S APPROVAL.
- DAMAGE TO EXISTING STRUCTURES AND UTILITIES RESULTING FROM CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED/REPLACED TO OWNER'S SATISFACTION AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH PROPERTY OWNER SO AS TO AVOID INTERRUPTIONS TO PROPERTY OWNER'S OPERATIONS.
- ENSURE POSITIVE DRAINAGE DURING AND AFTER COMPLETION OF CONSTRUCTION.
- ALL CUT AND FILL SLOPES SHALL BE MAXIMUM 2 HORIZONTAL TO 1 VERTICAL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING SITE VEHICLE TRAFFIC AS TO NOT ALLOW VEHICLES LEAVING THE SITE TO TRACK MUD ONTO PUBLIC STREETS. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING PUBLIC STREETS DUE TO MUDDY VEHICLES LEAVING THE SITE.

GENERAL EROSION & SEDIMENT CONTROL NOTES:

- THE SOIL EROSION AND SEDIMENT CONTROL MEASURES AND DETAILS AS SHOWN HEREIN AND STIPULATED WITHIN STATE STANDARDS SHALL BE FOLLOWED AND INSTALLED IN A MANNER SO AS TO MINIMIZE SEDIMENT LEAVING THE SITE.
- PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS.
- EROSION CONTROL DEVICES SHALL BE INSTALLED BEFORE GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. CONTRACTOR SHALL CLEAN OUT ALL SEDIMENT PONDS WHEN REQUIRED BY THE ENGINEER OR THE LOCAL JURISDICTION INSPECTOR. CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
- THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE SILT IS WITHIN 12" OF THE TOP OF THE SILT FENCE.
- FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED.
- SILT BARRIERS TO BE PLACED AT DOWNSTREAM TOE OF ALL CUT AND FILL SLOPES.
- ALL CUT AND FILL SLOPES MUST BE SURFACED ROUGHENED AND VEGETATED WITHIN SEVEN (7) DAYS OF THEIR CONSTRUCTION.
- CONTRACTOR SHALL REMOVE ALL EROSION & SEDIMENT CONTROL MEASURES AFTER COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.

SEEDING GUIDELINES:

FINAL STABILIZATION OF ALL DISTURBED AREAS, UNLESS OTHERWISE NOTED, SHALL BE LOAMED AND SEEDED. LOAM SHALL BE PLACED AT A MINIMUM COMPACTED DEPTH OF 4". RECOMMENDED SEEDING DATES FOR PERMANENT VEGETATION SHALL BE BETWEEN JUNE 15 THROUGH AUGUST 1 AND SEPTEMBER 15 THROUGH OCTOBER 15. TEMPORARY VEGETATIVE MEASURES SHALL CONSIST OF AN ANNUAL OR PERENNIAL RYE GRASS WITH RECOMMENDED SEEDING DATES BEING FROM JUNE 1 THROUGH AUGUST 15 AND SEPTEMBER 30 THROUGH NOVEMBER 30.

EVALUATE PROPOSED COVER MATERIAL

BEFORE SPREADING COVER MATERIAL OVER THE DESIGNATED AREA, OBTAIN A REPRESENTATIVE SOIL SAMPLE AND SUBMIT TO A REPUTABLE SOIL TESTING LABORATORY FOR CHEMICAL AND PHYSICAL ANALYSIS. THE PRELIMINARY TEST IS NECESSARY TO DETERMINE THE REQUIRED INORGANIC AND/OR ORGANIC AMENDMENTS THAT ARE NEEDED TO ASSIST IN ESTABLISHING THE SEED MIXTURE IN AN ENVIRONMENTALLY AND ECONOMICALLY SOUND MANNER. THE RESULTS WILL GIVE THE COVER MATERIAL CHARACTERISTICS SUCH AS pH AND FERTILIZATION NEEDS. THESE RESULTS SHALL BE KEPT ON-SITE BY THE CONTRACTOR AND AVAILABLE FOR REVIEW BY THE COUNTY.

SEED BED PREPARATION

PROPOSED COVER MATERIAL SHOULD BE SPREAD EVENLY OVER THE SITE AREA IN A MINIMUM 4" LIFT VIA BULLDOZER/BUCKET LOADER. USING THE INFORMATION FROM THE SOIL ANALYSIS, CAREFULLY CALCULATE THE QUANTITIES OF LIMESTONE AND PRE-PLANT FERTILIZER NEEDED PRIOR TO APPLYING. PRE-PLANT AMENDMENTS CAN BE APPLIED WITH A BROADCAST AND/OR DROP SEEDER AND INCORPORATED WITH AN OFFSET DISK, YORK RAKE, AND/OR HAND RAKE. AFTER INCORPORATION THE PRE-PLANT SOIL AMENDMENTS, THE SEED BED SHOULD BE SMOOTH AND FIRM PRIOR TO SEEDING. THE FOLLOWING SEED MIXTURES SHALL BE USED AS NOTED:

SEED MIXTURE

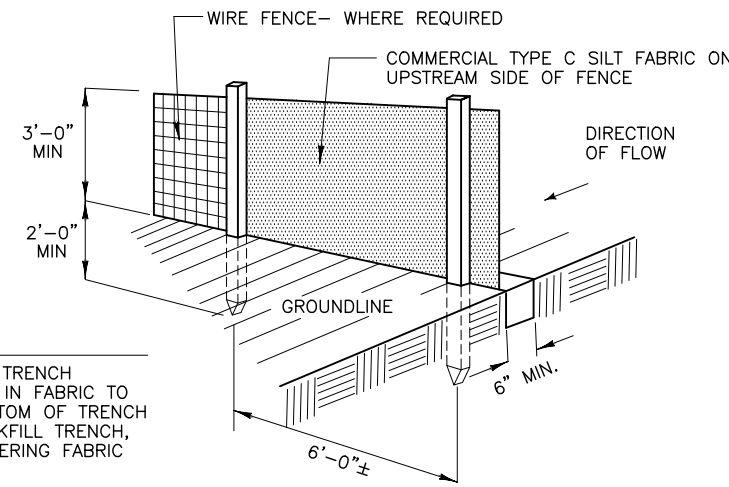
SPECIES/VARIETY	LBS/ACRE
CREeping RED FESCUE	20
KENTUCKY BLUEGRASS	20
PERENNIAL RYEGRASS	5

SEED TIME AND METHOD

THE PREFERRED TIME FOR SEEDING THE COOL SEASON MIXTURE IS LATE SUMMER. SOIL AND AIR TEMPERATURES ARE IDEAL FOR SEED GERMINATION AND SEEDING GROWTH. WEED COMPETITION IS REDUCED BECAUSE SEEDS OF MANY WEED SPECIES GERMINATE EARLIER IN THE GROWING SEASON. ADDITIONALLY, HERBICIDE USE IS GREATLY REDUCED. HOWEVER, SEEDING MAY BE DONE AT ANY OF THE ABOVE NOTED TIMES.

MULCHING

NEWLY SEEDED AREAS SHOULD BE MULCHED TO INSURE ADEQUATE MOISTURE FOR SUCCESSFUL TURF ESTABLISHMENT AND TO PROTECT AGAINST SURFACE MOVEMENT OF SEDIMENT-BOUND AGROCHEMICALS AND SOIL EROSION. IF MULCHING PROCEDURES ARE NOT SPECIFIED ON PLANS, APPLY GOOD QUALITY STRAW OR HAY AT A RATE OF 2 BALES/1000 SQ. FT. OTHER COMMERCIALY AVAILABLE MULCHES CAN BE USED.



- NOTE:
- DIG TRENCH
 - LAY IN FABRIC TO BOTTOM OF TRENCH
 - BACKFILL TRENCH, COVERING FABRIC

1 SILT FENCE DETAIL
NOT TO SCALE

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

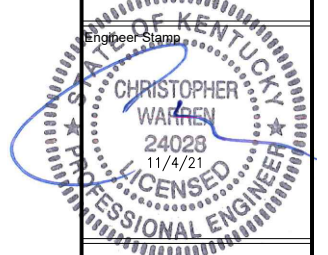
- WOVEN WIRE FENCE TO BE FASTENED SECURELY POSTS: STEEL EITHER T OR U TO FENCE POSTS WITH WIRE TIES OR STAPLES. TYPE.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE: WOVEN WIRE, 14 GA. 6" MAX. MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH: FILTER X, MIRAFI 100X' STABILINKA T140N OR APPROVED EQUAL.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE. PREFABRICATED UNIT: GEOFAB, ENVIROFENCE OR APPROVED EQUAL.
- ALL SILT FENCE MATERIALS MUST BE LISTED ON THE CURRENT STATES. D.O.T. QUALIFIED PRODUCTS LIST.



0	ISSUED FOR CONSTRUCTION	CES	11/03/21
B	ISSUED FOR REVIEW	CES	10/27/21
A	ISSUED FOR REVIEW	CES	09/28/21
No.	Submittal / Revision	App'd	Date

Project Number
2136-20001-C

Project Title
**15403957
TI-OPP-17997
SEDALIA**
230 STATE ROUTE 381
SEDALIA, KY 42079



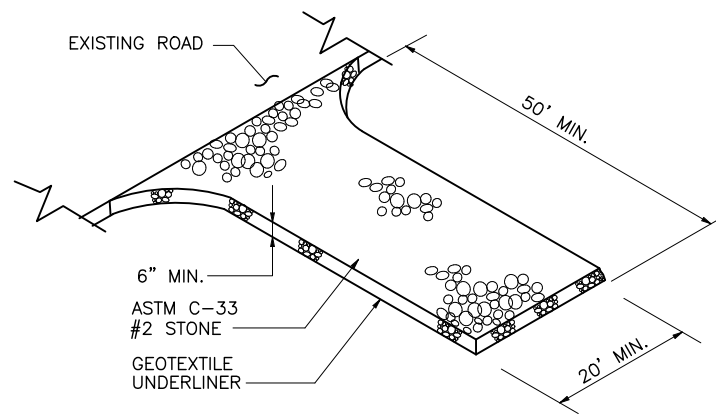
Drawing Title
GRADING, EROSION & SEDIMENT CONTROL NOTES & DETAILS

Drawing Scale:
AS NOTED
Date:
09/28/21
CD

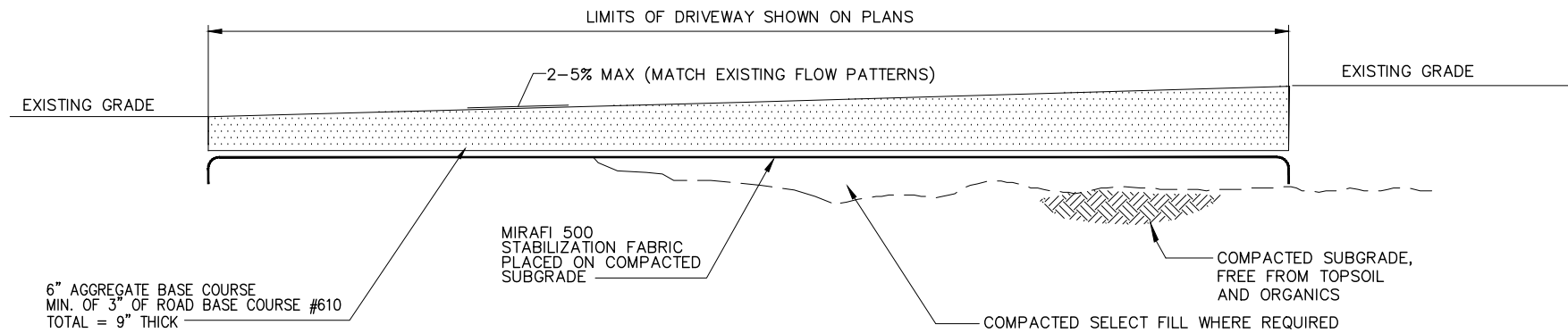
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Drawing Number
EC2

NOTES:
-USE OF SWALES AND/OR DRAINAGE DITCHES FOR PROPER WATER RUNOFF AS NEEDED.
-AGGREGATE IS BASED ON STANDARD AASHTO. ACCESS ROAD WIDTH ON EACH SIDE FOR PROPER SHOULDERING.



1 CONSTRUCTION EXIT DETAIL
--- NOT TO SCALE



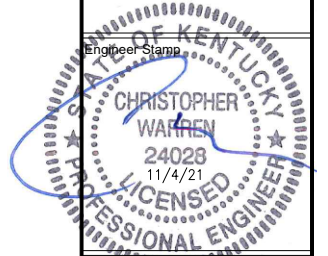
2 DRIVEWAY SECTION (GRAVEL)
--- NOT TO SCALE

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Designed: CES Date: 09/28/21
Checked: C/W Date: 09/28/21

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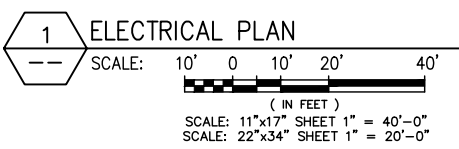
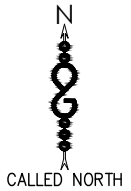
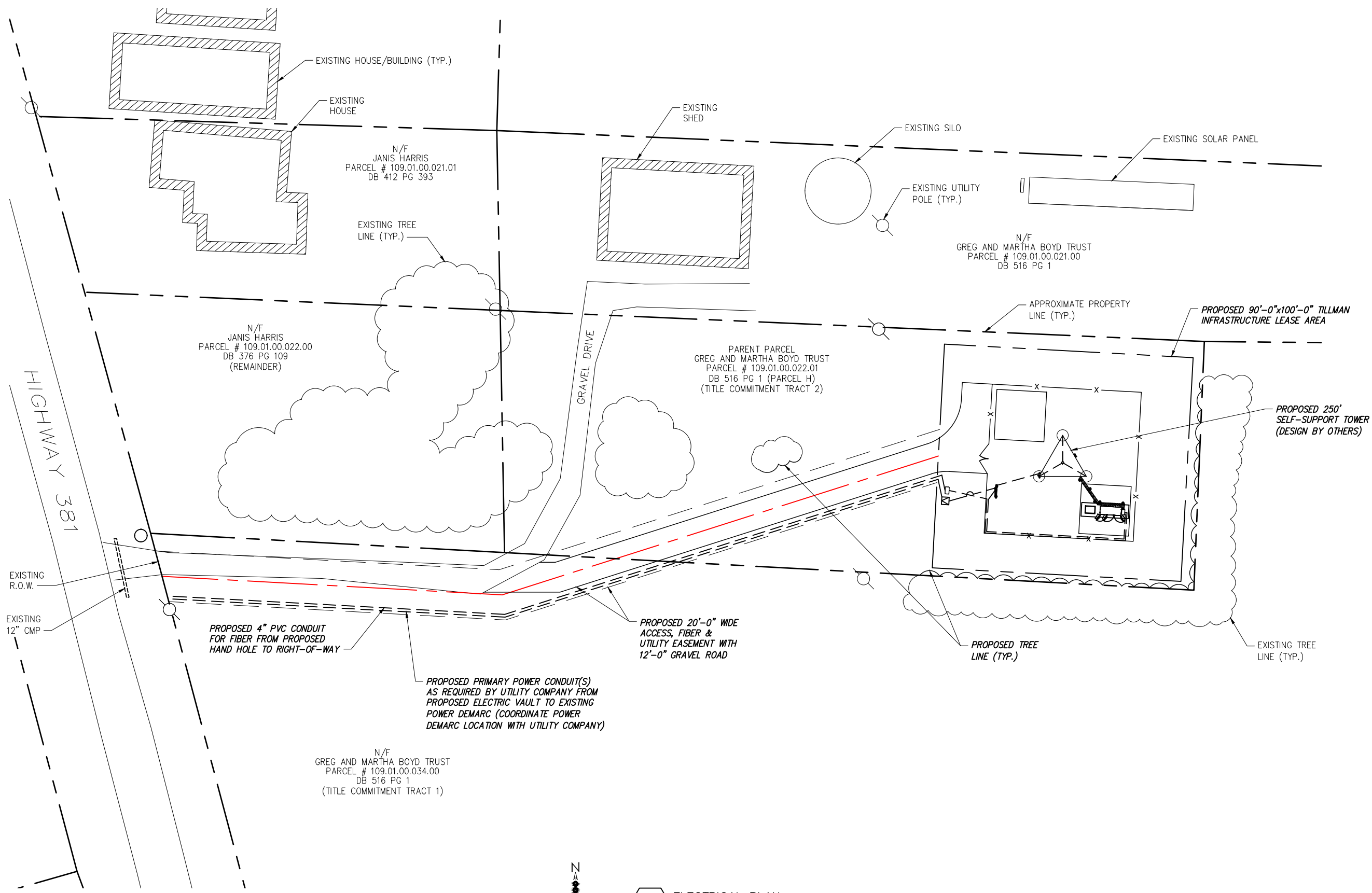


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Drawing Number
EC3

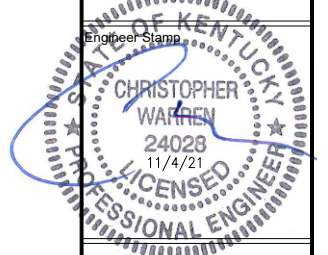


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 Checked: C/W Date: 09/28/21

Project Number: 2136-Z0001-C

Project Title: 15403957 TI-OPP-17997 SEDALIA 230 STATE ROUTE 381 SEDALIA, KY 42079



Drawing Title: ELECTRICAL PLAN

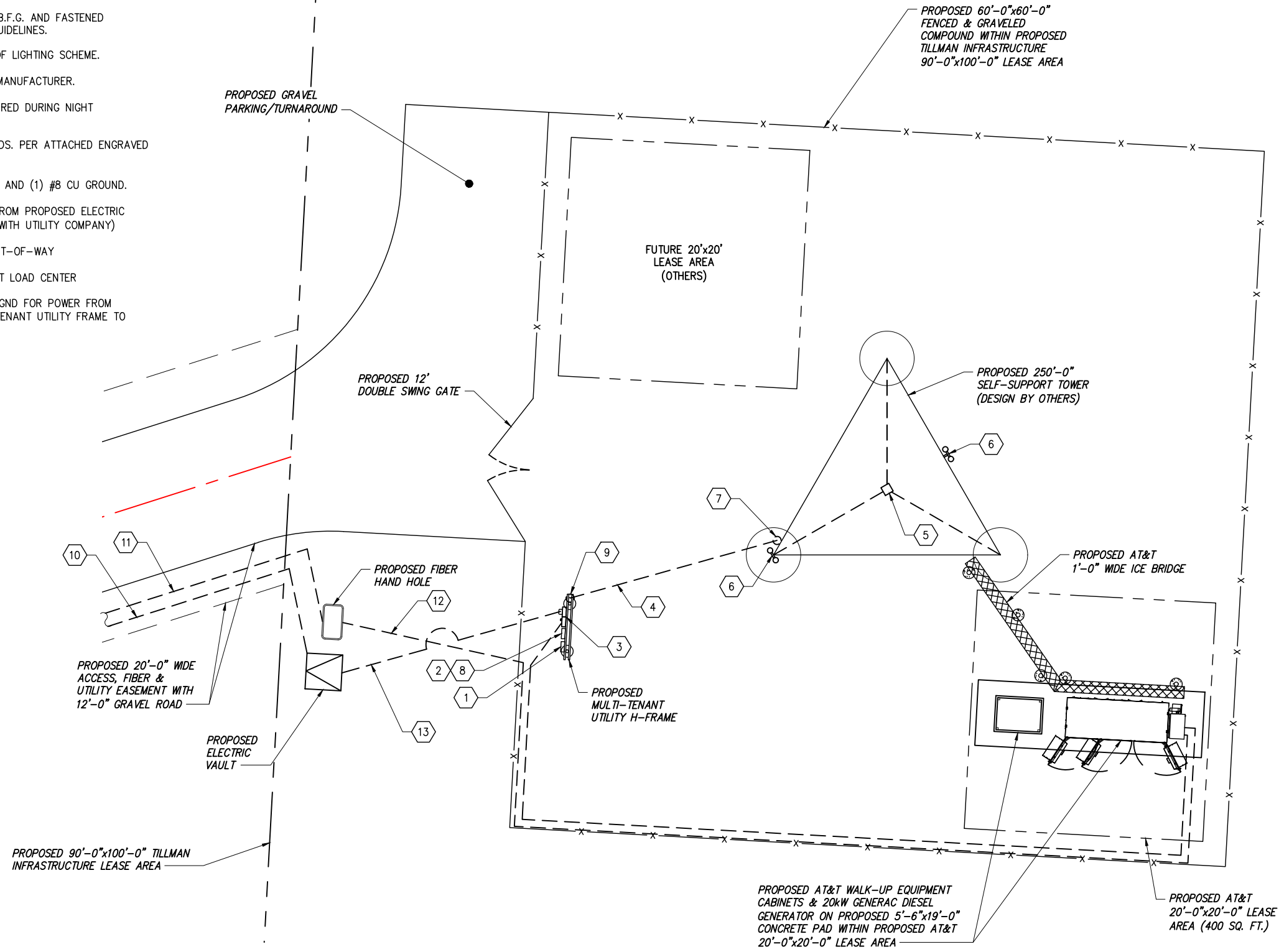
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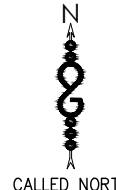
Drawing Number: **E1**

TILLMAN ELECTRICAL REFERENCE NOTES

- 1 PROPOSED TOWER LIGHT CONTROLLER. COORDINATE WITH TOWER MANUFACTURER FOR SPECIFICS.
- 2 PROPOSED 100A-2P MAIN CIRCUIT BREAKER FOR TILLMAN INFRASTRUCTURE.
- 3 PROPOSED 125A RATED, 120/240V-1Ø-3W, NEMA-3R, LOAD CENTER FOR TILLMAN INFRASTRUCTURE WITH (1) 100A-2P MAIN CIRCUIT BREAKER & 12 SPACE LOAD CENTER.
- 4 PROPOSED TOWER LIGHTING CONTROLLER CORD IN 2" SCH. 40 PVC CONDUIT B.F.G. AND FASTENED SECURELY TO TOWER A.F.G. COORDINATE WITH TOWER CONTROLLER MANUF. GUIDELINES.
- 5 PROPOSED JUNCTION BOX. TOTAL NUMBER OF JUNCTION BOXES DEPENDANT OF LIGHTING SCHEME.
- 6 PROPOSED RED DUAL OBSTRUCTION LIGHTS (DOL). COORDINATE WITH TOWER MANUFACTURER.
- 7 PROPOSED RED/WHITE MEDIUM INTENSITY BEACON LIGHT. WHITE DURING DAY, RED DURING NIGHT COORDINATE WITH TOWER MANUFACTURER.
- 8 PROPOSED 200A, 240V, 1Ø, 3W UTILITY METER SOCKET PER UTILITY STANDARDS. PER ATTACHED ENGRAVED NAME PLATE INDICATING "TILLMAN INFRASTRUCTURE".
- 9 PROPOSED 1-1/2" SCH. 40 PVC B.F.G. AND RMC A.F.G. WITH (3) #1 AWG CU AND (1) #8 CU GROUND.
- 10 PROPOSED PRIMARY POWER CONDUIT(S) AS REQUIRED BY UTILITY COMPANY FROM PROPOSED ELECTRIC VAULT TO EXISTING POWER DEMARC (COORDINATE POWER DEMARC LOCATION WITH UTILITY COMPANY)
- 11 PROPOSED 4" PVC CONDUIT FOR FIBER FROM PROPOSED HAND HOLE TO RIGHT-OF-WAY
- 12 PROPOSED 4" PVC CONDUIT FOR FIBER FROM PROPOSED HAND HOLE TO AT&T LOAD CENTER
- 13 PROPOSED 3" PVC CONDUIT WITH (3) 3/0 AWG CONDUCTORS & (1) #6 AWG GND FOR POWER FROM PROPOSED AT&T METER IN PROPOSED METER CENTER ON PROPOSED MULTI-TENANT UTILITY FRAME TO AT&T LOAD CENTER



NOTE:
UTILITY ROUTING/TERMINATION
POINTS ARE DIAGRAMMATIC &
MAY VARY FROM THAT SHOWN.



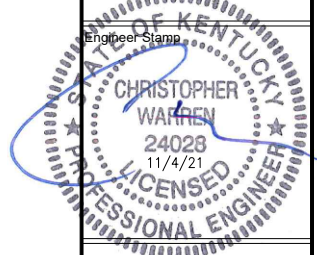
1 COMPOUND ELECTRICAL PLAN
SCALE: 2.5' 0 2.5' 5' 10'
(IN FEET)
SCALE: 11"x17" SHEET 1" = 10'-0"
SCALE: 22"x34" SHEET 1" = 5'-0"



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Drawing Title
COMPOUND
ELECTRICAL PLAN

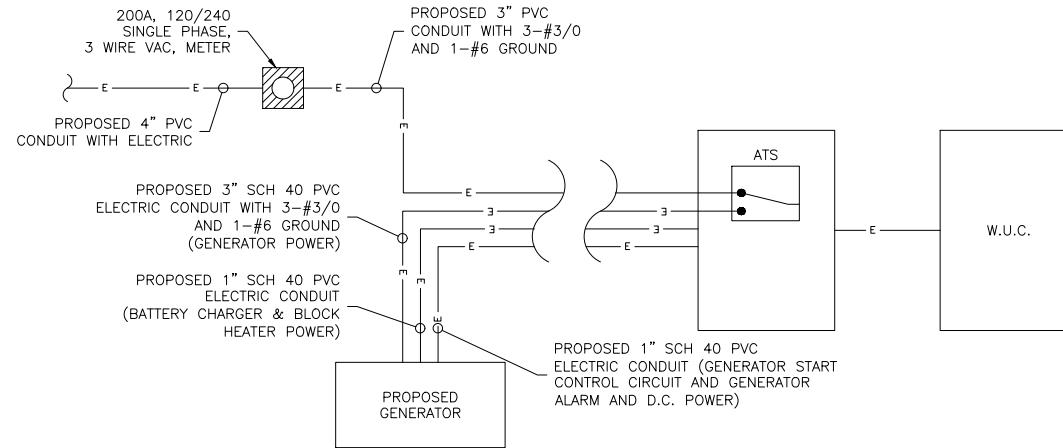
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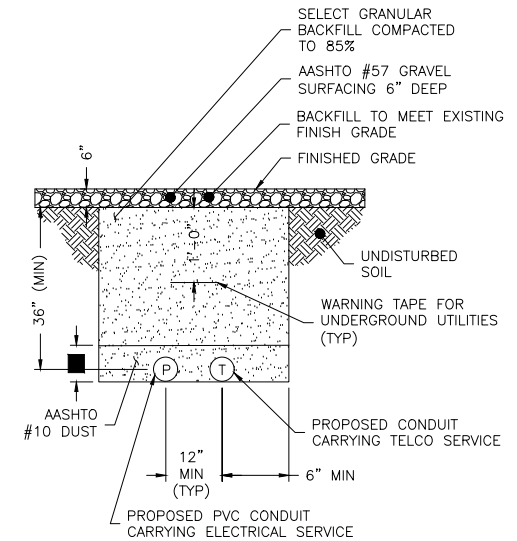
Drawing Number
E2

ELECTRICAL NOTES

- SUBMITTAL OF BID INDICATES THAT THE CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.
- CONTRACTOR SHALL PERFORM ALL VERIFICATIONS, OBSERVATION TESTS, AND EXAMINATION WORK PRIOR TO ORDERING OF ANY EQUIPMENT AND THE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE PROJECT MANAGER LISTING ALL MALFUNCTIONS, FAULTY EQUIPMENT AND DISCREPANCIES.
- VERIFY HEIGHTS WITH PROJECT MANAGER PRIOR TO INSTALLATION.
- THESE PLANS ARE DIAGRAMMATIC ONLY, FOLLOW AS CLOSELY AS POSSIBLE.
- CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES AND ALL OTHER SCHEDULING AND PROVISIONARY CIRCUMSTANCES SURROUNDING THE PROJECT.
- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION CONSTRUCTION TOOLS, TRANSPORTATION, ETC., FOR COMPLETE AND FUNCTIONALLY OPERATING SYSTEMS ENERGIZED AND READY FOR USE THROUGHOUT AS INDICATED ON DRAWINGS, AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
- ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT. ELECTRICAL MATERIALS SHALL BE LISTED AND APPROVED BY UNDERWRITER'S LABORATORIES AND SHALL BEAR THE INSPECTION LABEL "J" WHERE SUBJECT TO SUCH APPROVAL. MATERIALS SHALL MEET WITH APPROVAL OF ALL GOVERNING BODIES HAVING JURISDICTION OVER THE CONSTRUCTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH ALL CURRENT APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA AND NBFU. ALL MATERIALS AND EQUIPMENT SHALL BE APPROVED FOR THEIR INTENDED USE AND LOCATION.
- ALL WORK SHALL COMPLY WITH ALL APPLICABLE GOVERNING STATE, COUNTY AND CITY CODES AND OSHA, NFPA, NEC & ASHRAE REQUIREMENTS.
- ENTIRE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF JOB ACCEPTANCE. ALL WORK, MATERIAL AND EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION, AT THE EXPENSE OF THE CONTRACTOR.
- PROPERLY SEAL ALL PENETRATIONS. PROVIDE UL LISTED FIRE-STOPS WHERE PENETRATIONS ARE MADE THROUGH FIRE-RATED ASSEMBLIES. WATER-TIGHT USING SILICONE SEALANT.
- DELIVER ALL BROCHURES, OPERATING MANUALS, CATALOGS AND SHOP DRAWINGS TO THE PROJECT MANAGER AT JOB COMPLETION. PROVIDE MAINTENANCE MANUALS FOR MECHANICAL EQUIPMENT. AFFIX MAINTENANCE LABELS TO MECHANICAL EQUIPMENT.
- ALL CONDUCTORS SHALL BE COPPER. MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG., UNLESS OTHERWISE NOTED. CONDUCTORS SHALL BE TYPE THHW, RATED IN ACCORDANCE WITH NEC 110-14(C).
- ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THE MAXIMUM INTERRUPTING CURRENT TO WHICH THEY MAY BE SUBJECTED.
- THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE; ARTICLES 250 & 810 AND THE UTILITY COMPANY STANDARDS.
- CONDUIT:
 - RIGID CONDUIT SHALL BE U.L. LABEL GALVANIZED ZINC COATED WITH ZINC INTERIOR AND SHALL BE USED WHEN INSTALLED IN OR UNDER CONCRETE SLABS, IN CONTACT WITH THE EARTH, UNDER PUBLIC ROADWAYS, IN MASONRY WALLS OR EXPOSED ON BUILDING EXTERIOR. RIGID CONDUIT IN CONTACT WITH EARTH SHALL BE 1/2 LAPPED WRAPPED WITH HUNTS WRAP PROCESS NO. 3.
 - ELECTRICAL METALLIC TUBING SHALL HAVE U.L. LABEL, FITTINGS SHALL BE GLAND RING COMPRESSION TYPE. EMT SHALL BE USED ONLY FOR INTERIOR RUNS.
 - LIQUID-TIGHT FLEXIBLE METAL CONDUIT SHALL BE U.L. LISTED AND SHALL BE USED AT FINAL CONNECTIONS TO MECHANICAL EQUIPMENT & RECTIFIERS AND WHERE PERMITTED BY CODE. ALL CONDUIT IN EXCESS OF SIX FEET IN LENGTH SHALL CONTAIN A FULL-SIZE GROUND CONDUCTOR.
 - CONDUIT RUNS SHALL BE SURFACE MOUNTED ON CEILINGS OR WALLS UNLESS NOTED OTHERWISE. ALL CONDUIT SHALL RUN PARALLEL OR PERPENDICULAR TO WALLS, FLOOR, CEILING, OR BEAMS. VERIFY EXACT ROUTING OF ALL EXPOSED CONDUIT WITH THE PROJECT MANAGER PRIOR TO INSTALLING.
 - PVC CONDUIT MAY BE PROVIDED ONLY WHERE SHOWN, OR IN UNDERGROUND INSTALLATIONS. PROVIDE UV-RESISTANT CONDUIT WHERE EXPOSED TO THE ATMOSPHERE. PROVIDE GROUND CONDUCTOR IN ALL PVC RUNS; EXCEPT WHERE PERMITTED BY CODE TO OMIT.
- ALL ELECTRICAL EQUIPMENT SHALL BE LABELED WITH PERMANENT ENGRAVED PLASTIC LABELS. BACKGROUND SHALL BE BLACK WITH WHITE LETTERS; EXCEPT AS REQUIRED BY CODE TO FOLLOW A DIFFERENT SCHEME.
- UPON COMPLETION OF WORK, CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL OF POTENTIAL GROUNDING TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO PROJECT MANAGER. GROUNDING SYSTEM RESISTANCE SHALL NOT EXCEED 5 OHMS. IF THE RESISTANCE VALUE IS EXCEEDED, NOTIFY THE PROJECT MANAGER FOR FURTHER INSTRUCTION ON METHODS FOR REDUCING THE RESISTANCE VALUE.
- CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION. LEGALLY DISPOSE OF ALL REMOVED, UNUSED AND EXCESS MATERIAL GENERATED BY THE WORK OF THIS CONTRACT. DELIVER ITEMS INDICATED ON THE DRAWINGS TO THE OWNER IN GOOD CONDITION. OBTAIN SIGNED RECEIPT UPON DELIVERY.
- COORDINATE WITH UTILITY COMPANY FOR CONNECTION OF TEMPORARY AND PERMANENT POWER TO THE SITE. THE TEMPORARY POWER AND ALL HOOKUP COSTS SHALL BE PAID BY THE CONTRACTOR.
- VERIFY ALL EXISTING CIRCUITRY PRIOR TO REMOVAL AND NEW WORK. MAINTAIN POWER TO ALL OTHER AREAS & CIRCUITS NOT SCHEDULED FOR REMOVAL.
- RED LINED AS-BUILT PLANS SHALL BE PROVIDED TO THE CONSTRUCTION MANAGER.



1 POWER DIAGRAM
NOT TO SCALE



NOTE:
1. EXCAVATE EXISTING SUBGRADE AS REQUIRED TO INSTALL CONDUITS IN ACCORDANCE WITH OSHA AND ALL APPLICABLE CODES.

2 TYPICAL TRENCH DETAIL
NOT TO SCALE

INTEGRATED LOAD CENTER																								
LOAD			LOAD PER PHASE (VA)				WIRE COLOR	LOADS CONTINUOUS	LOADS NON-CONTINUOUS	LOADS SUB-PANEL	WIRE SIZE	GROUNDING WIRE SIZE	TRIP	TRIP	GROUNDING WIRE SIZE	WIRE SIZE	LOADS SUB-PANEL	LOADS CONTINUOUS	WIRE COLOR	LOAD				
DESCRIPTION	QTY.	UNIT V.A.	PHASE		A	B														A	B	UNIT V.A.	QTY.	DESCRIPTION
RECTIFIER #1	1	1400	1400		BLK	X			8	(10)	40	40	(10)	8				BLK	1400		1400	1	RECTIFIER #5	2
	1	1400		1400	RED	X												RED		1400	1400	1		4
RECTIFIER #2	1	1400	1400		BLK	X			8	(10)	40	40	(10)	8				BLK	1400		1400	1	RECTIFIER #6	6
	1	1400		1400	RED	X												RED		1400	1400	1		8
RECTIFIER #3	1	1400	1400		BLK	X			8	(10)	40	40	(10)	8				BLK	1400		1400	1	RECTIFIER #7	10
	1	1400		1400	RED	X												RED		1400	1400	1		12
RECTIFIER #4	1	1400	1400		BLK	X			8	(10)	40	40	(10)	8				BLK	1400		1400	1	RECTIFIER #8	14
	1	1400		1400	RED	X												RED		1400	1400	1		16
					BLK													BLK						18
					RED	X			12	12	20							RED						20
GFCI RECEPTACLES	2	180	360		BLK	X			12	(12)	20							BLK						22
OPTIONAL FIBER BOX RECEPTACLE	1	180	180		RED	X			12	12	20							RED						24
BATTERY CHARGER	1	240	240		BLK	X			12	12	20							BLK						26
BLOCK HEATER	1	1500	1500		RED	X			12	12	20							RED						28
OIL HEATER	1	180	180		BLK	X			12	12	20							BLK						30
SUBTOTAL CONTINUOUS			6,380	7,280															5,600	5,600	SUBTOTAL CONTINUOUS		TOTAL KVA CONTINUOUS x 1.25	31.075
SUBTOTAL NON-CONTINUOUS			-	-															-	-	SUBTOTAL NON-CONTINUOUS		TOTAL KVA NON-CONTINUOUS	-
SUBTOTAL SUB-PANEL			-	-															-	-	SUBTOTAL SUB-PANEL		TOTAL KVA SUB-PANEL	-
PANEL DESIGNATION: ELECTRICAL PANEL (ITEM 2)												TOTAL KVA		31.075										
MAIN LUGS: N/A		MAIN BREAKER: 200 AMP																TOTAL KVA		31.075				
VOLTAGE: 120/240		CYCLE: 60		PHASE: 1		WIRES: 3		MAIN COPPER BUS: 200 AMPS				NEUTRAL: 200 AMPS				TOTAL AMPS		129.48						



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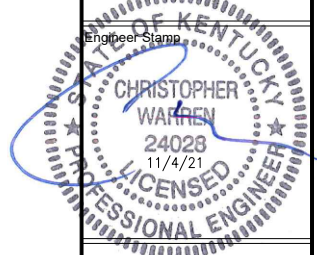


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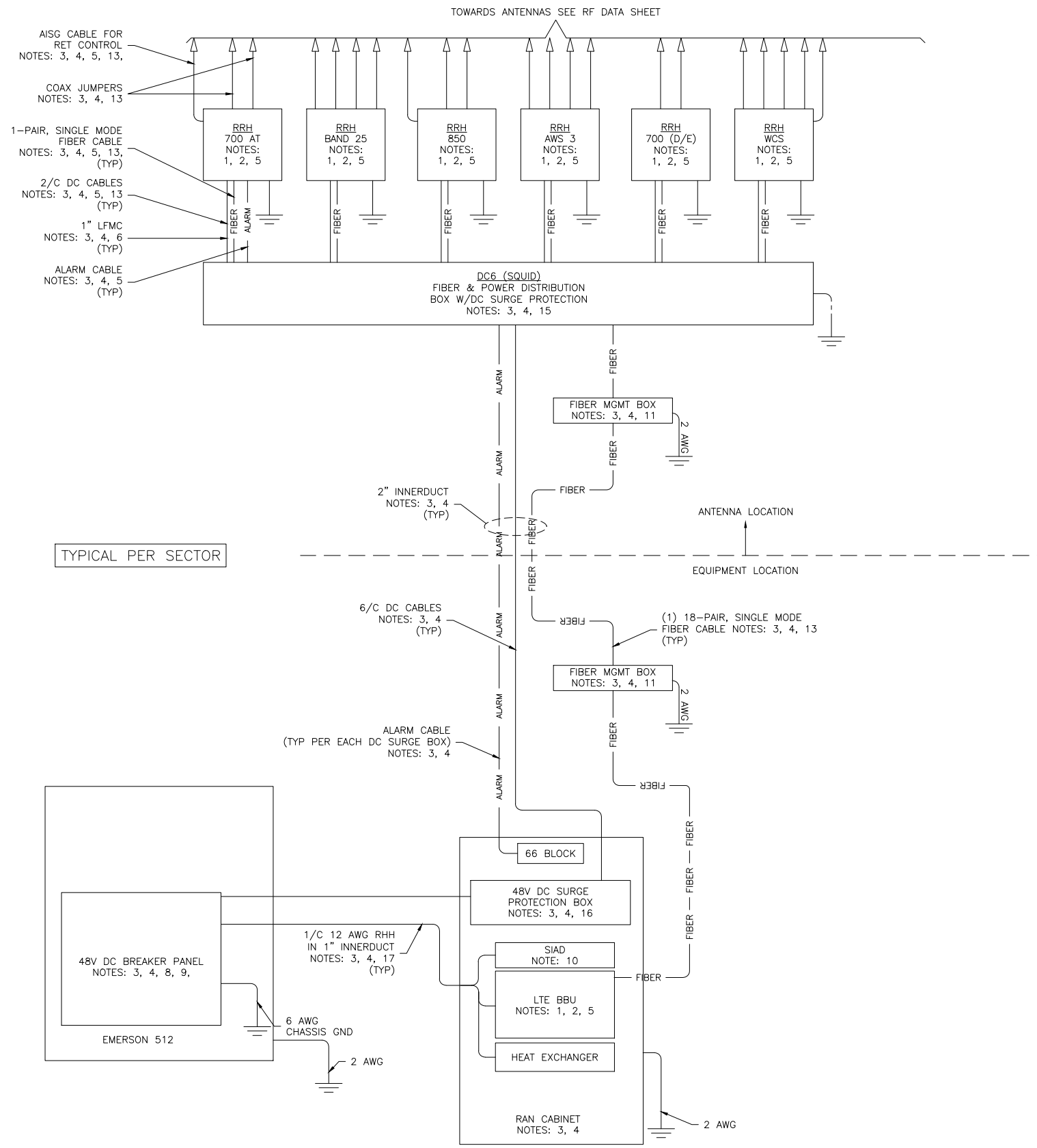


Drawing Title:
ELECTRICAL PANEL SCHEDULE, DIAGRAM, & NOTES

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E3



- AISG CABLE FOR RET CONTROL NOTES: 3, 4, 5, 13.
- COAX JUMPERS NOTES: 3, 4, 13
- 1-PAIR, SINGLE MODE FIBER CABLE NOTES: 3, 4, 5, 13, (TYP)
- 2/C DC CABLES NOTES: 3, 4, 5, 13 (TYP)
- 1" LFMC NOTES: 3, 4, 6 (TYP)
- ALARM CABLE NOTES: 3, 4, 5 (TYP)

NOTES:

1. FURNISHED BY OEM/AT&T.
2. INSTALLED BY OEM OR AS SCOPED BY MARKET.
3. FURNISHED BY OTHERS
4. INSTALLED BY OTHERS
5. FINAL CONNECTION BY OEM OR AS SCOPED BY MARKET.
6. OPEN END OF LFMC TO BE LEFT WEATHERPROOFED UNTIL TERMINATED.
7. DELETED.
8. BREAKERS SPECIFIED SOLD SEPERATELY.
9. BREAKERS TO BE TAGGED AND LOCKED OUT.
10. SIAD IS FURNISHED AND INSTALLED BY OTHERS AND INCLUDES POWER CONNECTIONS AND FIBER TO THE UNIT OR AS SCOPED BY MARKET. INSTALL 10 AWG CHASSIS GROUND, PROVIDE (2) 10A BREAKERS FROM A 24V DC POWER SOURCE OR (2) 5A BREAKERS FROM A 48V DC POWER SOURCE AND CONNECT USING MFR POWER CABLE WITH SPECIAL CONNECTOR.
11. FIBER MANAGEMENT BOX IS J-SOURCE MODEL 12126FM4SEC.
12. LEC TO FURNISH AND INSTALL NETWORK INTERFACE DEVICE.
13. LEAVE COILED AND PROTECTED UNTIL TERMINATED.
14. SEE DETAIL 1408 FOR DC POWER CABLE SIZES.
15. FIBER AND POWER DISTRIBUTION BOX 4/48V SURGE SHALL BE RAYCAP MODEL DC6-48-60-18-8F.
16. POWER DISTRIBUTION W/DC SURGE PROTECTION BOX SHALL BE RAYCAP MODEL DC6-48-60-0-18.
17. SINGLE-CONDUCTOR DC POWER CABLES SHALL BE TELCOFLEX OR KS24194, COPPER, UL LISTED RHH NON-HALOGEN, LOW SMOKE WITH BRAIDED COVER, TYPE TC (1/0 AND LARGER). UNLESS OTHERWISE NOTED, STRANDING SHALL BE CLASS B (TYPE III) FOR CABLES SIZES 14, 12 & 10 AWG AND CLASS 1 (TYPE IV) FOR SIZES 8 AWG AND LARGER. CABLES SHALL BE COLOR CODED RED FOR +24V, BLUE FOR -48V AND GRAY FOR 24V AND 48V RETURN CONDUCTORS. MULTI-CONDUCTOR DC POWER CABLES SHALL COPPER, CLASS B STRANDED WITH FLAME RETARDANT PVC JACKET, TYPE TC, UL LISTED FOR 90°C DRY/ 75°C WET INSTALLATION.
18. 10A FUSE FOR HEAT EXCHANGER FURNISHED AND INSTALLED BY OTHERS.
19. DELETED
20. GROUNDING WIRES SHALL BE COPPER, GREEN THHN/THWN UL LISTED FOR 90°C DRY/75°C WET INSTALLATION. MINIMUM SIZE IS 6 AWG UNLESS NOTED OTHERWISE.
21. RET CONTROL FROM THE RRH IS AN OPTIONAL METHOD OF CONNECTION. REFER TO RF DATA SHEET FOR APPLICABILITY.
22. DELETED.
23. FIBER AND POWER DISTRIBUTION BOX 4/48V SURGE SHALL BE RAYCAP MODEL DC6-48-60-0-1E.
24. FIBER MANAGEMENT BOX IS COMMSCOPE MODEL FB 18188.
25. FIBER AND POWER DISTRIBUTION BOX 4/48V SURGE SHALL BE RAYCAP MODEL DC12-48-60-0-25E.

TYPICAL PER SECTOR

1 TYPICAL DC/FIBER SYSTEM DIAGRAM
NOT TO SCALE

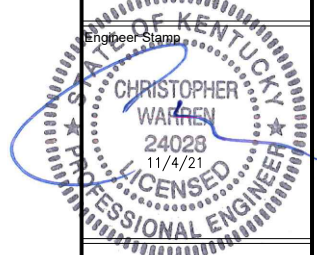


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TYPICAL DC/FIBER SYSTEM DIAGRAM

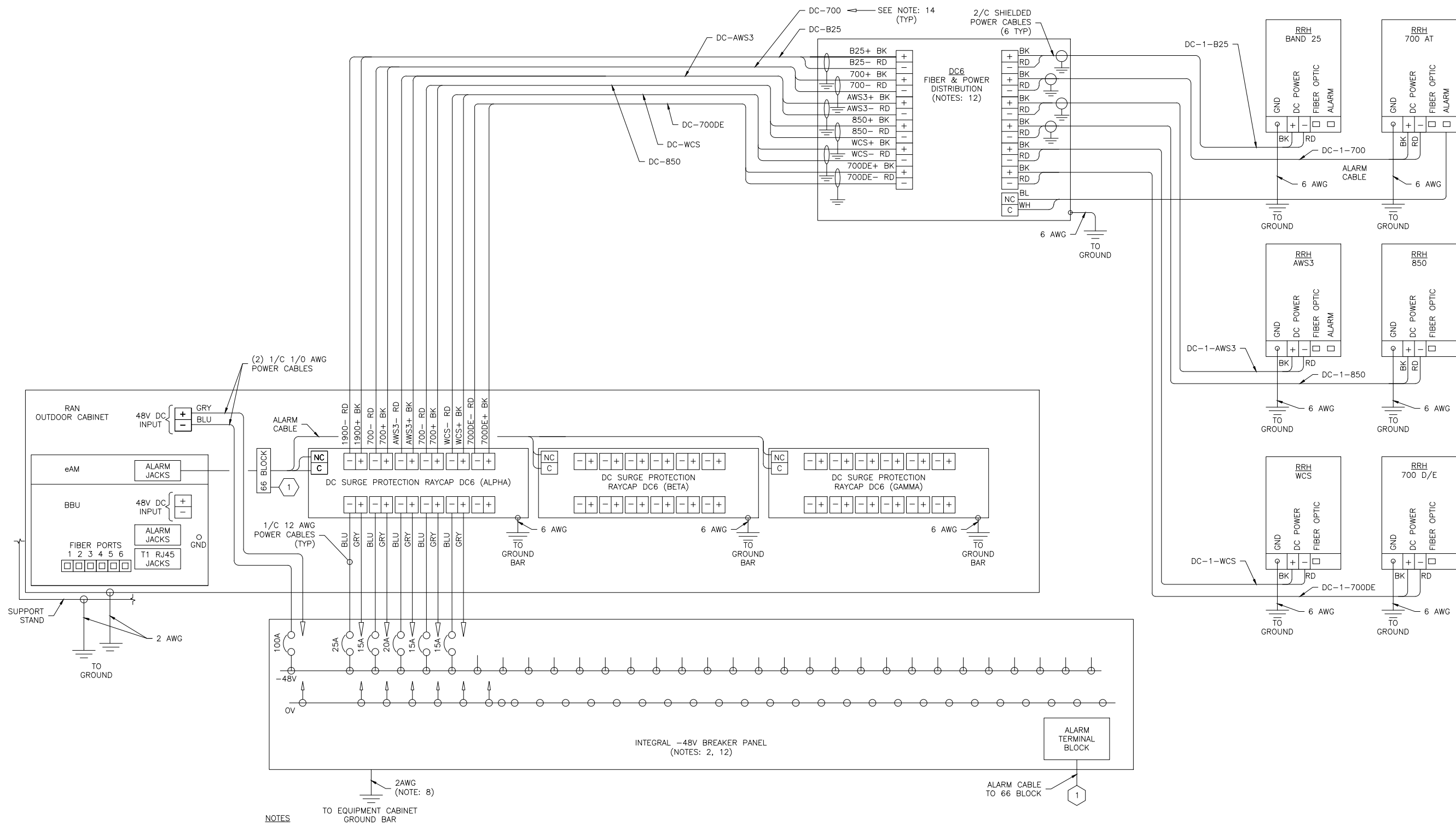
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E4



NOTES

1. LABEL THE DC POWER CABLES AT BOTH ENDS OF EVERY WIRE AND IN ANY PULL BOX IF USED. LABEL SHALL BE DURABLE, SELF-ADHESIVE, WRAPPED LONGITUDINALLY ALONG THE CABLE AND STATE THE SECTOR, FREQUENCY BAND AND POLARITY; I.E. A-AWS+.
2. INSTALL ON IN AUXILIARY EQUIPMENT CABINET.
3. CABLE TERMINALS FOR +24V INPUT FEED A, FEED B AND REFERENCE GROUND SHALL BE 2-HOLE: 3/8" ON 1" CENTER.
4. INSTALL CABLE TERMINALS FOR FEED A AND FEED B RETURN BACK-TO-BACK ON OPPOSITE SIDES OF PAD USING 1-HOLE 3/8" TERMINALS.
5. CABLE TERMINALS FOR CHASSIS GROUND SHALL BE 2-HOLE, 1/4" ON 5/8" CENTER.
6. WHEN DISTRIBUTION BOX IS NOT USED, INSTALL 3 RUNS OF (2) 2/C CABLES IN CONDUIT, 1 EACH FROM DC SURGE SHELF TO DC6s.
7. A JUNCTION BOX IS REQUIRED WHEN FIBER OPTIC CABLES ARE INSTALLED IN CONDUIT AS SCOPED BY MARKET.
8. CONVERTER REFERENCE GROUND IS NOT REQUIRED WHEN CONVERTER AND 24V DC POWER PLANT ARE ON THE SAME RACK OR ENCLOSURE.
9. THE BARE GROUND WIRE OF EACH MULTI-CONDUCTOR CABLE AND DRAIN WIRE WHEN A SHIELDED CABLE IS USED, SHALL BE CONNECTED TO THE EQUIPMENT CABINET GROUND BAR.
10. SEE ALARM BLOCK ASSIGNMENT DETAIL FOR ALARM CABLE CONNECTIONS.
11. PROVIDE A JUNCTION BOX, AS SCOPED BY MARKET, TO COIL EXCESS DC POWER AND OPTICAL FIBER CABLES (FIBER CABLES NOT SHOWN FOR CLARITY).
12. NOTED EQUIPMENT MAY BE COMMON TO LTE AND UMS SYSTEMS.
13. CABLE GROUND WIRE AND SHIELD DRAIN WIRE TO BE LEFT UN-TERMINATED AT RRH.
14. WHEN AN RRH IS USED INSTEAD OF AN AWS RRH CABLE, LABELS SHOULD REFLECT CORRECT FREQUENCY BAND.

TYPICAL PER SECTOR

1 TYPICAL DC WIRING DIAGRAM
NOT TO SCALE



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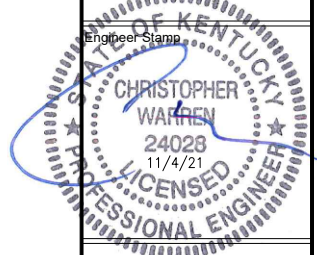
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TYPICAL DC WIRING DIAGRAM

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E5

GROUNDING REFERENCE NOTES

- 1 APPROXIMATE LOCATION OF #2 AWG SOLID BARE TINNED GROUND RING. GROUND RING SHALL BE BURIED 36" BELOW THE FROST LINE OR 18" BELOW GRADE, WHICHEVER IS GREATER. EXACT LOCATION AND NUMBER OF GROUND RODS TO BE DETERMINED ON SITE AND BASED ON "FALL OF POTENTIAL GROUND RESISTANCE METHOD" FOR RESISTANCE < 5 OHMS. UNLESS OTHERWISE NOTED, DRIVEN GROUND RODS ARE TO BE BURIED AT 16 FEET INTERVALS. SEE SHEET E-5 FOR ADDITIONAL GROUNDING INFORMATION.
- 2 PROVIDE 5/8" X 10'-0" LONG COPPER CLAD STEEL (COPPER WELD) GROUND ROD AS SHOWN. PROVIDE INSPECTION SLEEVE AT GROUND ROD TO SHOW BOND TO EXTERIOR BURIED GROUND RING (MINIMUM OF 4 INSPECTION SLEEVES). INSTALL GROUND ROD TWO (2) FEET MINIMUM AWAY FROM ANY SLAB. INSTALL SO THAT TOP OF GROUND ROD IS 30" BELOW GRADE OR FROST LINE, WHICHEVER IS DEEPER. EXACT LOCATION AND NUMBER OF GROUND RODS TO BE ESTABLISHED ON SITE AND BASED ON "FALL OF POTENTIAL GROUND RESISTANCE METHOD" FOR RESISTANCE < 5 OHMS. UNLESS OTHERWISE NOTED, DRIVEN GROUND RODS ARE BONDED TO THE BURIED GROUND RING AT 16 FEET INTERVALS.
- 3 NEW #2 AWG SOLID BARE TINNED COPPER CONDUCTOR FROM TOWER GROUNDING FLANGE AT BASE OF TOWER TO TOWER GROUND RING.
- 4 NEW #2 AWG SOLID BARE TINNED TOWER GROUND RING WITH GROUND RODS. TOWER GROUND RING SHALL BE SPACED A MINIMUM OF 2'-0" FROM TOWER FOUNDATION.
- 5 NEW #2 AWG WELDING CABLE OR FLEXIBLE CABLE, GATE JUMPER.
- 6 NEW #2 AWG GROUND FROM SERVICE ENTRANCE GROUND ELECTRODE TO EXTERNAL GROUND RING.
- 7 BOND "H-FRAME" TO EXTERNAL GROUND RING USING A #2 AWG GROUND CONDUCTOR (TYP OF 2 PLACES).
- 8 NEW #2 AWG GROUND FROM TOWER GROUNDING TO EXTERNAL GROUND RING.
- 9 BOND FENCE POST TO GROUND RING AS SHOWN WITH A #2 AWG SOLID TINNED COPPER CONDUCTOR USING AN EXOTHERMIC WELD.

GROUNDING LEGEND	
	EXOTHERMIC WELD CONNECTION
	COMPRESSION FITTING CONNECTION
	5/8"X10' COPPER-CLAD STEEL GROUND ROD
	5/8"X10' COPPER-CLAD STEEL GROUND ROD WITH INSPECTION WELL
	PROPOSED GROUND WIRING
	EXISTING GROUND WIRING
	TINNED COPPER GROUND BAR 1/4"x4"x12" OR 1/4"x4"x20"
	COLLECTOR GROUND BAR
	MAIN GROUND BAR

PROPOSED 90'-0"x100'-0" TILLMAN INFRASTRUCTURE LEASE AREA

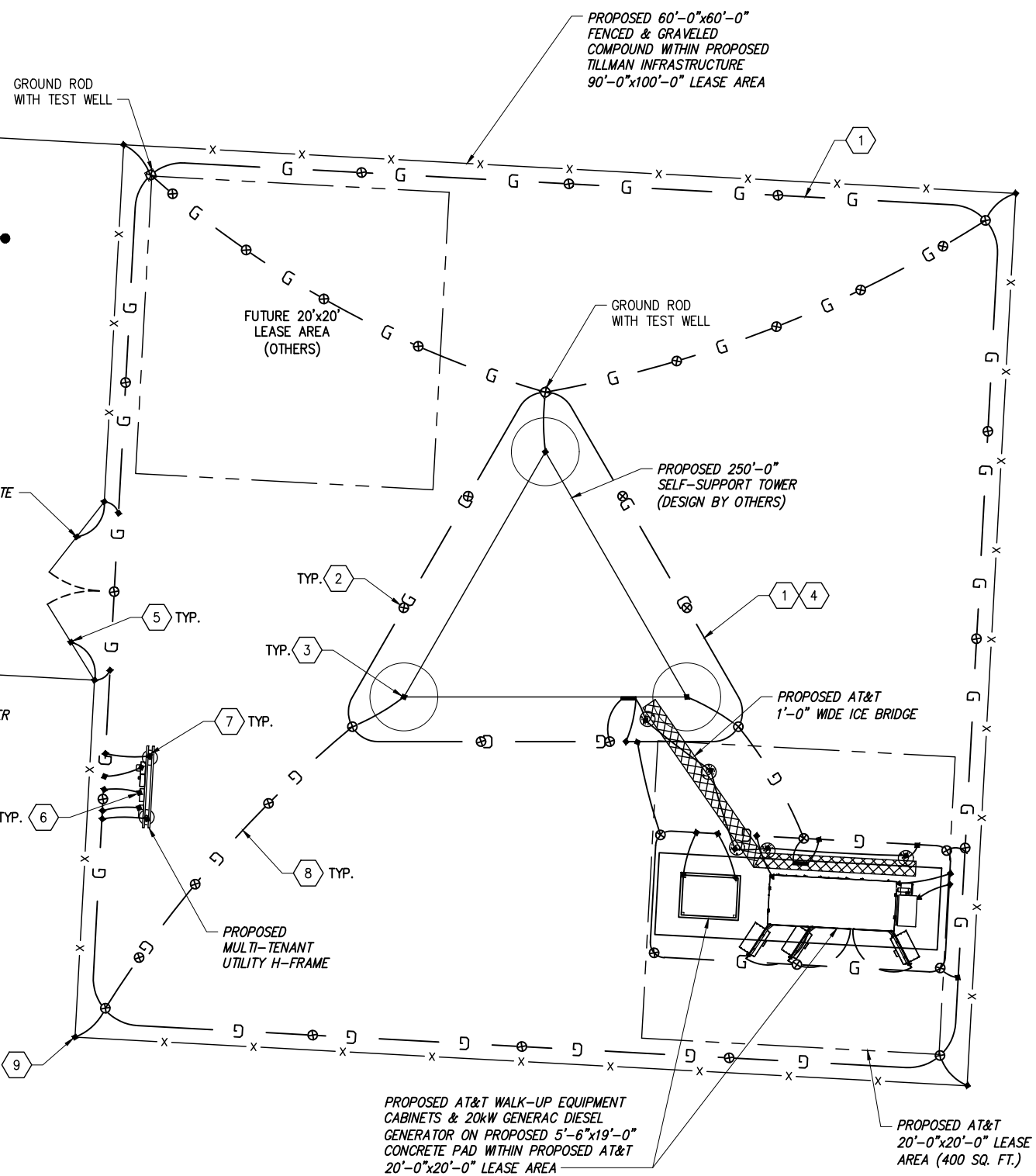
PROPOSED 20'-0" WIDE ACCESS, FIBER & UTILITY EASEMENT WITH 12'-0" GRAVEL ROAD

PROPOSED GRAVEL PARKING/TURNAROUND

PROPOSED 12' DOUBLE SWING GATE

PROPOSED FIBER HAND HOLE

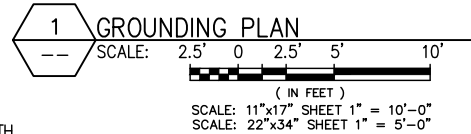
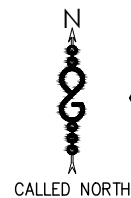
PROPOSED ELECTRIC VAULT



PROPOSED AT&T WALK-UP EQUIPMENT CABINETS & 20kW GENERAC DIESEL GENERATOR ON PROPOSED 5'-6"x19'-0" CONCRETE PAD WITHIN PROPOSED AT&T 20'-0"x20'-0" LEASE AREA

PROPOSED AT&T 20'-0"x20'-0" LEASE AREA (400 SQ. FT.)

- NOTES:**
1. CONTRACTOR SHALL INSPECT AND TEST ANY NEW AT&T GROUNDING SYSTEM WITH A BIDDLE-MEGGER TESTER UTILIZING THE FALL OF POTENTIAL METHOD AND CONTACT CONSTRUCTION MANAGER IF RESISTANCE EXCEEDS 5 OHMS AND SHALL FIELD MODIFY GROUNDING SYSTEM AS NECESSARY TO ACHIEVE COMPLIANCE. TEST RESULTS AND CONCLUSIONS SHALL BE RECORDED FOR PROJECT CLOSE-OUT DOCUMENTATION.
 2. CONTRACTOR SHALL PROVIDE PRE-CAST CONCRETE INSPECTION WELL WITH CAST IRON TRAFFIC RATED LID WHEN WELL WILL BE IN AN AREA WHERE THEY CAN BE DAMAGED.



NOTE: PIGTAIL ALL GROUNDING FOR FUTURE EQUIPMENT AS REQUIRED.

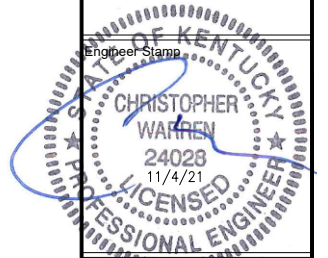


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 GROUNDING PLAN

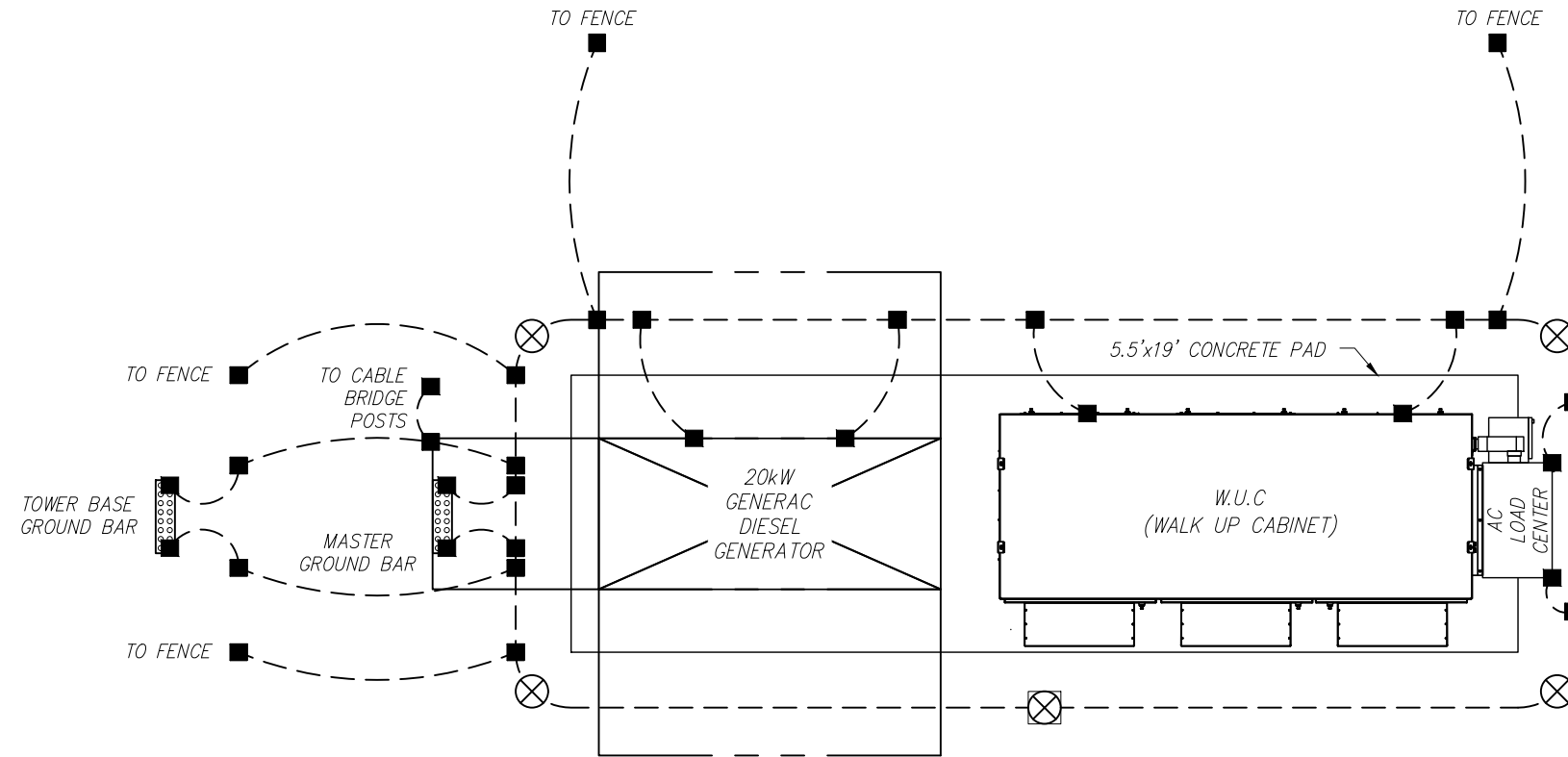
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G1

GROUNDING LEGEND

- EXOTHERMIC WELD CONNECTION
- COMPRESSION FITTING CONNECTION
- ⊗ 5/8"x10' COPPER-CLAD STEEL GROUND ROD
- ⊗ 5/8"x10' COPPER-CLAD STEEL GROUND ROD WITH INSPECTION WELL
- PROPOSED GROUND WIRING
- EXISTING GROUND WIRING
- ===== TINNED COPPER GROUND BAR
- CGB COLLECTOR GROUND BAR
- MGB MAIN GROUND BAR



1 TYPICAL AT&T EQUIPMENT GROUNDING PLAN
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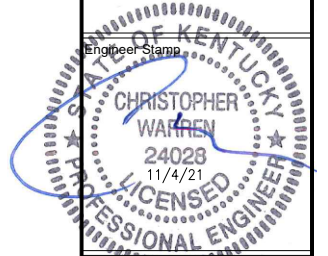
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G2

GROUNDING NOTES:

- GROUNDING SHALL COMPLY WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
- ALL GROUNDING DEVICES SHALL BE U.L. APPROVED OR LISTED FOR THEIR INTENDED USE.
- ALL WIRES SHALL BE AWG THHN/THWN COPPER UNLESS NOTED OTHERWISE.
- GROUNDING CONNECTIONS TO GROUND RODS, GROUND RING WIRE, TOWER BASE AND FENCE POSTS SHALL BE EXOTHERMIC ("CADWELDS") UNLESS NOTED OTHERWISE. CLEAN SURFACES TO SHINY METAL. WHERE GROUND WIRES ARE CADWELDED TO GALVANIZED SURFACES, SPRAY CADWELD WITH GALVANIZING PAINT.
- GROUNDING CONNECTIONS TO GROUND BARS ARE TO BE TWO-HOLE BRASS MECHANICAL CONNECTORS WITH STAINLESS STEEL HARDWARE (INCLUDING SCREW SET) CLEAN GROUND BAR TO SHINY METAL. AFTER MECHANICAL CONNECTION, TREAT WITH PROTECTIVE ANTI-OXIDANT COATING.
- GROUND COAXIAL CABLE SHIELDS AT BOTH ENDS WITH MANUFACTURER'S GROUNDING KITS.
- ROUTE GROUNDING CONDUCTORS THE SHORTEST AND STRAIGHTEST PATH POSSIBLE. BEND GROUNDING LEADS WITH A MINIMUM 12" RADIUS.
- INSTALL #2 AWG GREEN-INSULATED STRANDED WIRE FOR ABOVE GRADE GROUNDING AND #2 BARE TINNED COPPER WIRE FOR BELOW GRADE GROUNDING UNLESS OTHERWISE NOTED.
- REFER TO GROUNDING PLAN FOR GROUND BAR LOCATIONS. GROUNDING CONNECTIONS SHALL BE EXOTHERMIC TYPE ("CADWELDS") TO ANTENNA MOUNTS AND GROUND RING. REMAINING GROUNDING CONNECTIONS SHALL BE COMPRESSION FITTINGS. CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO-HOLE LUGS.
- THE GROUND ELECTRODE SYSTEM SHALL CONSIST OF DRIVEN GROUND RODS POSITION ACCORDING TO GROUNDING PLAN. THE GROUND RODS SHALL BE 5/8"X10'-0" COPPER CLAD STEEL INTERCONNECTED WITH #2 BARE TINNED COPPER WIRE BURIED 36" BELOW GRADE. BURY GROUND RODS A MAXIMUM OF 15' APART, AND A MINIMUM OF 8' APART.
- IF ROCK IS ENCOUNTERED GROUND RODS SHALL BE PLACED AT AN OBLIQUE ANGLE NOT TO EXCEED 45'.
- EXOTHERMIC WELDS SHALL BE MADE IN ACCORDANCE WITH ERICO PRODUCTS BULLETIN A-AT.
- CONSTRUCTION OF GROUND RING AND CONNECTIONS TO EXISTING GROUND RING SYSTEM SHALL BE DOCUMENTED WITH PHOTOGRAPHS PRIOR TO BACKFILLING SITE. PROVIDE PHOTOS TO THE VERIZON WIRELESS CONSTRUCTION MANAGER.
- ALL GROUND LEADS EXCEPT THOSE TO THE EQUIPMENT ARE TO BE #2 BARE TINNED COPPER WIRE. ALL EXTERIOR GROUND BARS TINNED COPPER.
- PRIOR TO INSTALLING LUGS ON GROUND WIRES, APPLY THOMAS & BETTS KOPR-SHIELD (TM OF JET LUBE INC.). PRIOR TO BOLTING GROUND WIRE LUGS TO GROUND BARS, APPLY KOPR-SHIELD OR EQUAL.
- ENGAGE AN INDEPENDENT ELECTRICAL TESTING FIRM TO TEST AND VERIFY THAT IMPEDANCE DOES NOT EXCEED FIVE OHMS TO GROUND BY MEANS OF "FALL OF POTENTIAL TEST". TEST SHALL BE WITNESSED BY A METROPCS REPRESENTATIVE, AND RECORDED ON THE "GROUND RESISTANCE TEST" FORM.
- WHERE BARE COPPER GROUND WIRES ARE ROUTED FROM ANY CONNECTION ABOVE GRADE TO GROUND RING, INSTALL WIRE IN 3/4" PVC SLEEVE, FROM 1' BELOW GRADE AND SEAL TOP WITH SILICONE MATERIAL.
- PREPARE ALL BONDING SURFACES FOR GROUNDING CONNECTIONS BY REMOVING ALL PAINT AND CORROSION DOWN TO SHINY METAL. FOLLOWING CONNECTION, APPLY APPROPRIATE ANTI-OXIDIZATION PAINT.
- ANY SITE WHERE THE EQUIPMENT (BTS, CABLE BRIDGE, PPC, GENERATOR, ETC.) IS LOCATED WITHIN 6 FEET OF METAL FENCING, THE GROUND RING SHALL BE BONDED TO THE NEAREST FENCE POST USING (3) RUNS OF #2 BARE TINNED COPPER WIRE.

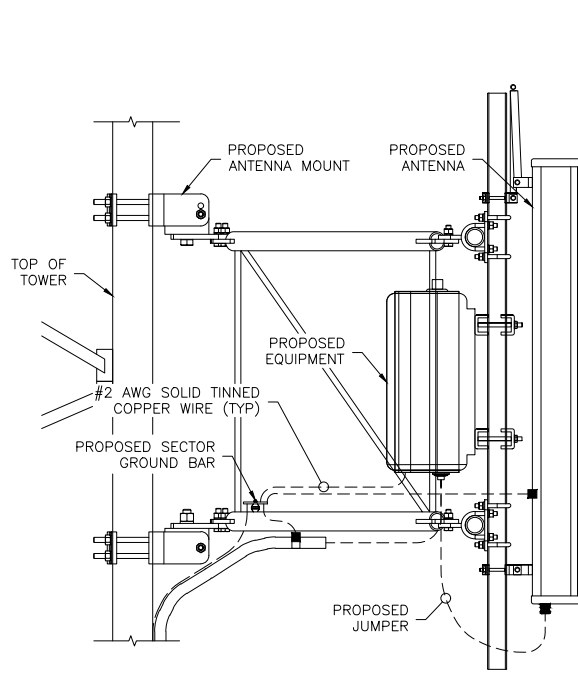
CABLE COLOR CODING NOTES:

- SECTOR ORIENTATION/AZIMUTH WILL VARY FROM REGION AND IS SITE SPECIFIC. REFER TO RF REPORT FOR EACH SITE TO DETERMINE THE ANTENNA LOCATION AND FUNCTION OF EACH TOWER SECTOR FACE.
- THE ANTENNA SYSTEM CABLES SHALL BE LABELED WITH VINYL TAPE EXCEPT IN LOCATIONS WHERE ENVIRONMENTAL CONDITIONS CAUSE PHYSICAL DAMAGE, THEN PHYSICAL TAGS ARE PREFERRED.
- THE STANDARD IS BASED ON EIGHT COLORED TAPES - RED, BLUE, GREEN, YELLOW, ORANGE, BROWN, WHITE & VIOLET. THESE TAPES MUST BE 3/4" WIDE & UV RESISTANT SUCH AS SCOTCH 35 VINYL ELECTRICAL COLOR CODING TAPE AND SHOULD BE READILY AVAILABLE TO THE ELECTRICIAN OR SUBCONTRACTOR ON SITE.
- USING COLOR BANDS ON THE CABLES, MARK ALL RF CABLES BY SECTOR AND NUMBER AS SHOWN ON "CABLE MARKING COLOR CONVENTION TABLE".
- WHEN AN EXISTING COAXIAL LINE THAT IS INTENDED TO BE A SHARED LINE BETWEEN GSM/3G AND IS-136 TDMA IS ENCOUNTERED, THE SUBCONTRACTOR SHALL REMOVE THE EXISTING COLOR CODING SCHEME AND REPLACE IT WITH THE COLOR CODING AND TAGGING STANDARD THAT IS OUTLINED IN THE CURRENT VERSION OF ND-00027. IN THE ABSENCE OF AN EXISTING COLOR CODING TAGGING SCHEME, OR WHEN INSTALLING PROPOSED COAXIAL CABLES, THIS GUIDELINE SHALL BE IMPLEMENTED AT THAT SITE REGARDLESS OF TECHNOLOGY.
- ALL COLOR CODE TAPE SHALL BE 3M-35 AND SHALL BE A MINIMUM OF (3) WRAPS OF TAPE AND SHALL BE NEATLY TRIMMED AND SMOOTHED OUT SO AS TO AVOID UNRAVELING.
- ALL COLOR BANDS INSTALLED AT THE TOP OF TOWER SHALL BE A MINIMUM OF 3" WIDE AND SHALL HAVE A MINIMUM OF 3/4" OF SPACE IN BETWEEN EACH COLOR.
- ALL COLOR CODES SHALL BE INSTALLED AS TO ALIGN NEATLY WITH ONE ANOTHER FROM SIDE TO SIDE.
- IF EXISTING CABLES AT THE SITE ALREADY HAVE A COLOR CODING SCHEME AND THEY ARE NOT INTENDED TO BE REUSED OR SHARED WITH THE GSM TECHNOLOGY, THE EXISTING COLOR CODING SCHEME SHALL REMAIN UNTOUCHED.

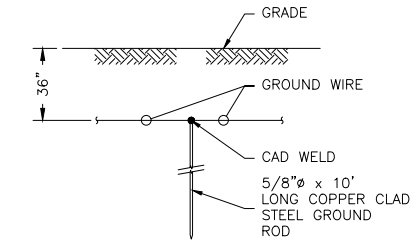
CABLE MARKING TAGS:

WHEN USING THE ALTERNATIVE LABELING METHOD, EACH RF CABLE SHALL BE IDENTIFIED WITH A METAL ID TAG MADE OF STAINLESS STEEL OR BRASS. THE TAG SHALL BE 1-1/2" IN DIAMETER WITH 1/4" STAMPED LETTERS AND NUMBERS INDICATING THE SECTOR, ANTENNA POSITION AND CABLE NUMBER. ID MARKING LOCATIONS SHOULD BE AS PER "CABLE MARKING LOCATIONS TABLE". THE TAG SHOULD BE ATTACHED WITH CORROSION PROOF WIRE AROUND THE CABLE AT THE SAME LOCATION AS DEFINED ABOVE. THE TAG SHOULD BE LABELED AS SHOWN ON THE "GSM AND UMTS LINE TAG" DETAIL.

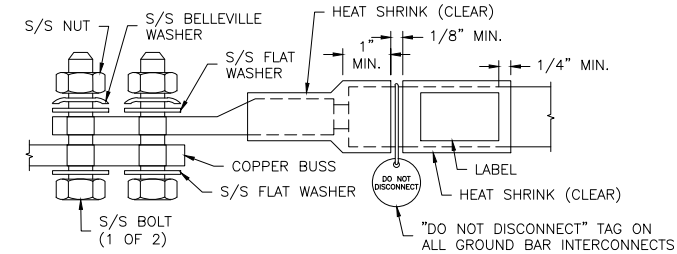
CABLE MARKING LOCATIONS TABLE	
NO.	LOCATIONS
1	EACH JUMPER SHALL BE COLOR CODED WITH (1) SET OF 3" WIDE BANDS.
2	EACH MAIN COAX SHALL BE COLOR CODED WITH (1) SET OF 3" WIDE BANDS AT THE TOP JUMPER CONNECTION AND WITH (1) SET OF 3/4" WIDE COLOR BANDS PRIOR TO ENTERING THE BTS OR SHELTER.
3	CABLE ENTRY PORT ON THE INTERIOR OF SHELTER.
4	ALL BOTTOM JUMPERS SHALL BE COLOR CODED WITH (1) SET OF 3/4" WIDE BANDS ON EACH END OF THE BOTTOM JUMPER.
5	ALL BOTTOM JUMPERS SHALL BE COLOR CODED WITH (1) SET OF 3/4" WIDE BANDS ON EACH END OF THE BOTTOM JUMPER.



2 ANTENNA & CABLE GROUNDING
-- NOT TO SCALE

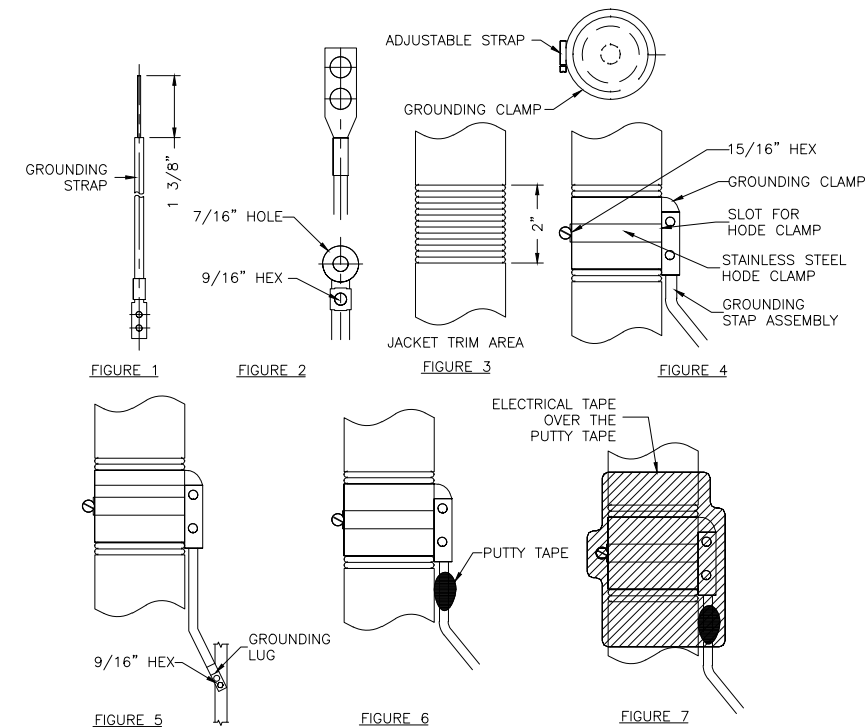


3 GROUNDING ROD DETAIL
-- NOT TO SCALE

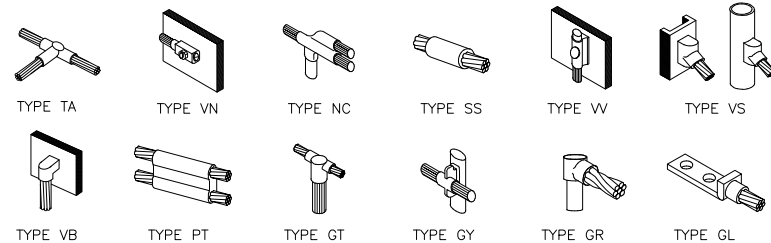


- NOTES:**
- ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING BELLEVILLES. COAT ALL SURFACES WITH ANTI-OXIDATION COMPOUND BEFORE MATING.
 - FOR GROUND BOND TO STEEL ONLY: INSERT A DRAGON TOOTH WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH ANTI-OXIDATION COMPOUND.
 - COAT ALL BARRELS WITH ANTI-OXIDATION COMPOUND BEFORE CRIMPING.

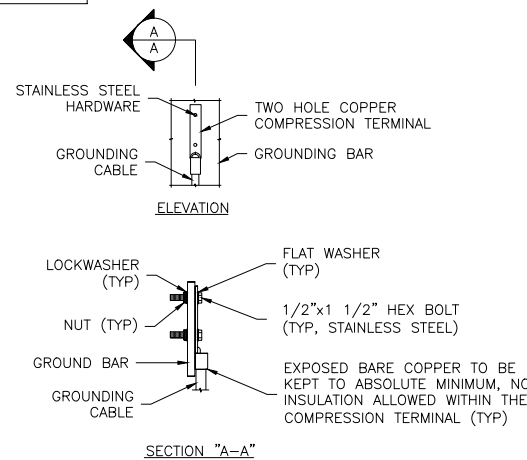
4 GENERAL LUG DETAIL
-- NOT TO SCALE



6 GROUNDING STRAP WEATHERPROOFING DETAIL
-- NOT TO SCALE



1 CADWELD GROUNDING CONNECTION DETAILS
-- NOT TO SCALE



- NOTE:**
- "DOUBLING UP" OR "STACKING" OF CONNECTIONS IS NOT PERMITTED.
 - OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.

5 TYPICAL GROUND BAR CONNECTION DETAIL
-- NOT TO SCALE



8372 E. BROAD ST.
REYNOLDSBURG, OH 43068



152 W. 57TH STREET
NEW YORK, NEW YORK 10019
TEL: 212-706-1677



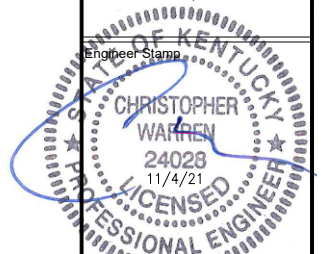
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SEDALIA, KY 42079



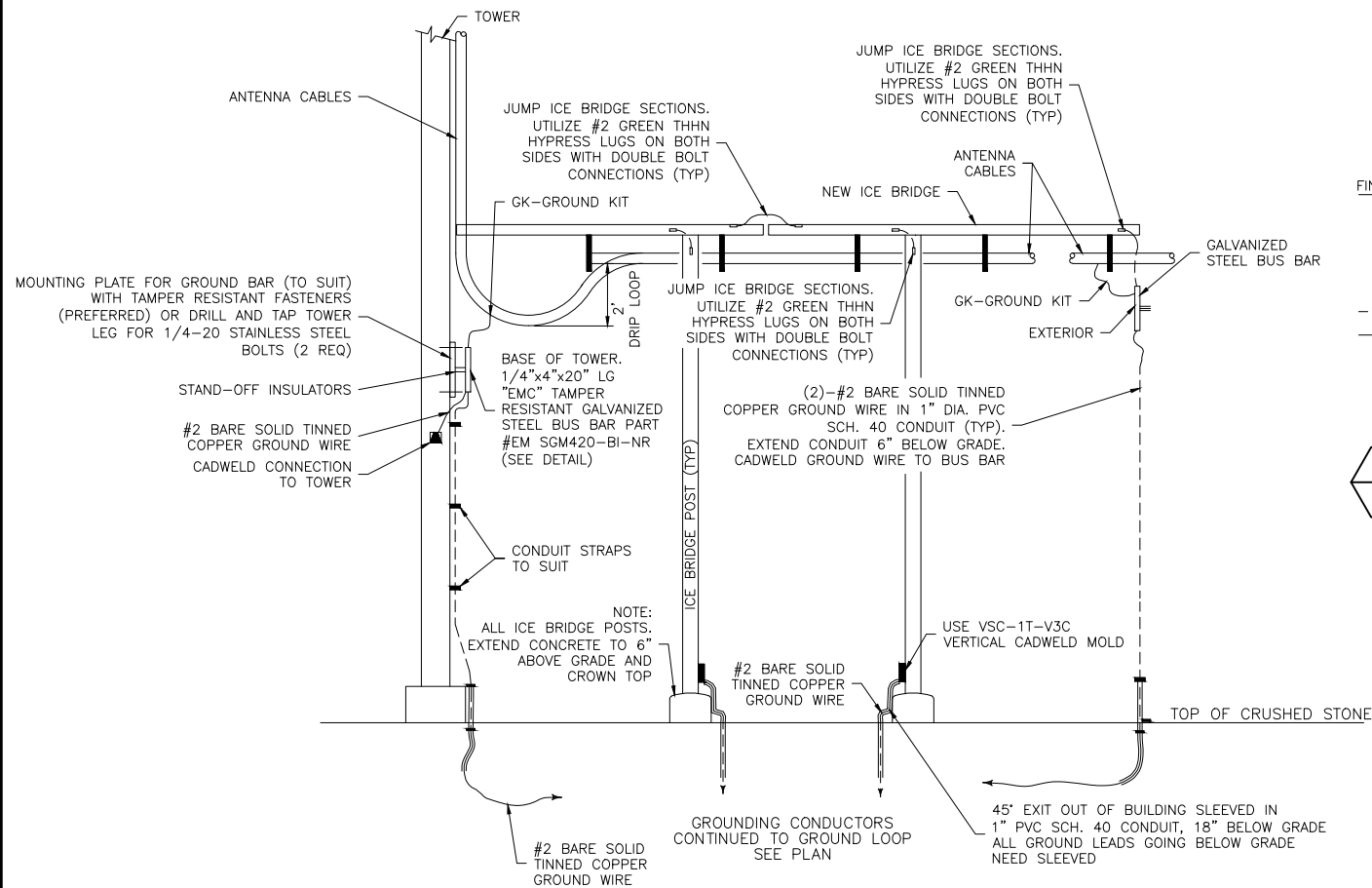
Drawing Title
GROUNDING DETAILS & NOTES

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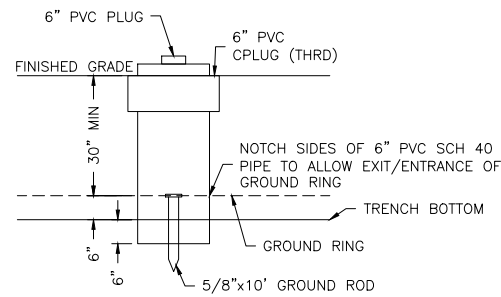
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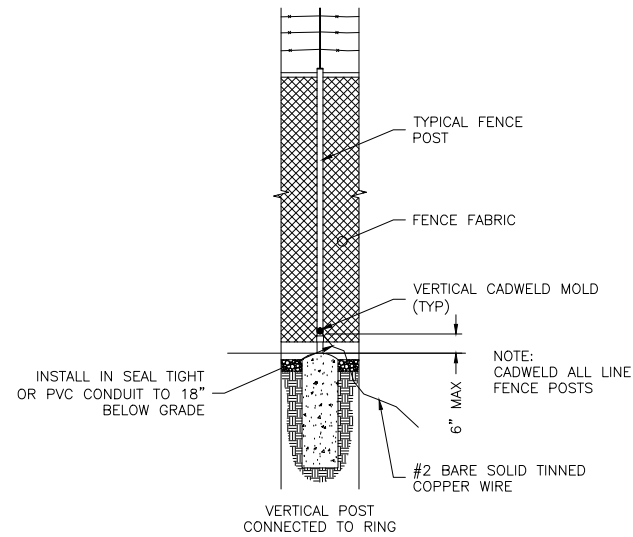
G3



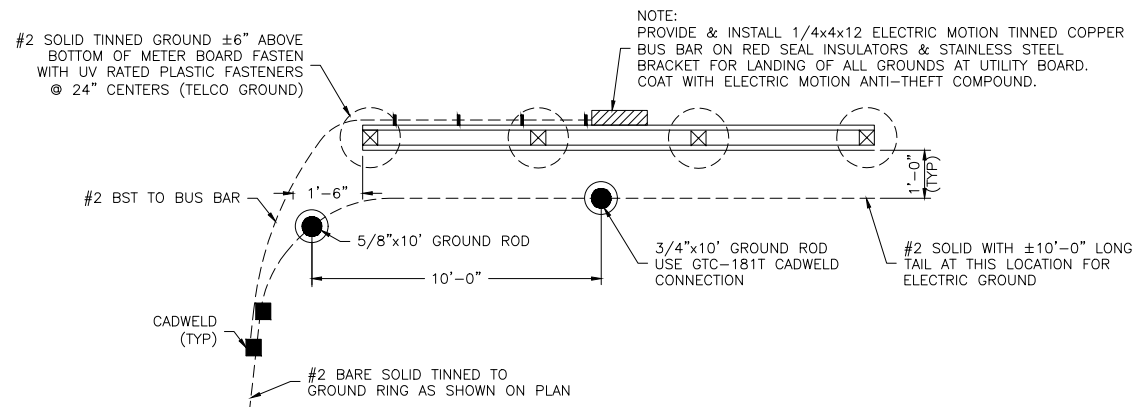
1 COAXIAL GROUNDING AT ICE BRIDGE
NOT TO SCALE



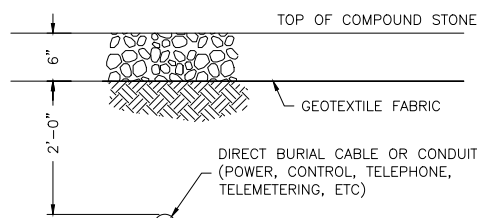
2 INSPECTION WELL DETAIL
NOT TO SCALE



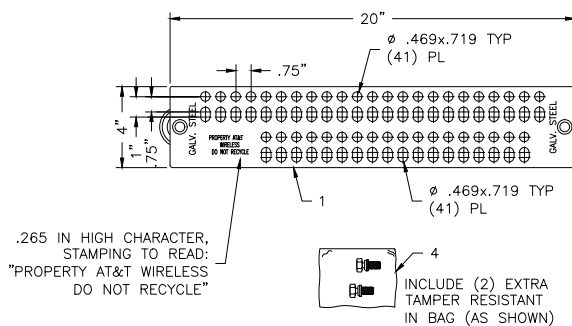
3 TYPICAL FENCE POST GROUNDING
NOT TO SCALE



4 METER BOARD UTILITY GROUNDING DETAIL
NOT TO SCALE



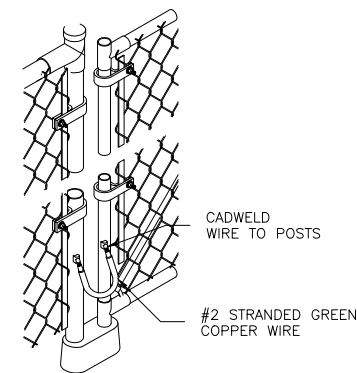
5 STANDARD MARKER TAPE DETAIL
NOT TO SCALE



6 TOWER BUS BAR DETAIL
NOT TO SCALE

ITEM	PART NO.	DESCRIPTION	REQ
4	02-009-0663-000 (SUB ASSEMBLY)	3/8-16x5/8" TORQUE SHEAR HEAD BOLT IN A STANDARD 4x6 BAG INCLUDES: (2) 3/8-16x5/8" TORQUE SHEAR HEAD BOLT (NON-REMOVABLE) WITH VIBRSEAL; STAINLESS STEEL (303) P/N 02-009-0603-000 (1) STANDARD 4"x6" BAG (P/N 03-009-0209-00)	1
3	02-009-0633-000	3/8-16x5/8" TORQUE SHEAR HEAD BOLT (NON-REMOVABLE) WITH VIBRSEAL; STAINLESS STEEL (303)	2
2	03-009-0118-000	2"x2" INSULATOR; FIBERGLASS	2
1	02-009-0672-000	20" GROUND BAR; STEEL; GALVANIZED	1
		DESCRIPTION	REQ

EMC
ELECTRIC MOTION CO., INC.
110 GROPPO DR. / BOX 626
WINSTED, CT 06098
PART #EM SGM420-BI-NR



7 GATE GROUNDING DETAIL
NOT TO SCALE



8372 E. BROAD ST.
REYNOLDSBURG, OH 43068



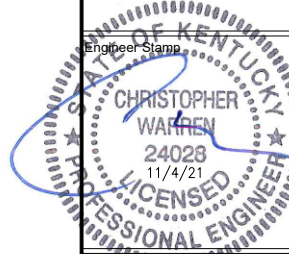
152 W. 57TH STREET
NEW YORK, NEW YORK 10019
TEL: 212-706-1677

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TI-OPP-17997
SEDALIA**
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SEDALIA, KY 42079



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G4

Section 1 - RFDS GENERAL INFORMATION

RFDS NAME:	KYL03178	DATE:	08/02/2021	RF DESIGN ENG:	Brian Mattheus	RF PERF ENG:		RFDS PROGRAM TYPE:	2022 NewSite	
ISSUE:		Approved? (Y/N):	Yes	RF DESIGN PHONE:	502-302-7123	RF PERF PHONE:		RFDS TECHNOLOGY:	Expansion	
REVISION:		RF MANAGER:	Byron Ham	RF DESIGN EMAIL:	BM7744@US.ATT.COM	RF PERF EMAIL:		STATE STATUS:	As Bult/In Progress	
INITIATIVE PROJECT:	LTE: Add (6) NNH4-65D-R6 12-port antennas, (2) per sector. Add (3) 850/700MHz 4449, (3) AVSP CS 8843 DB, and (3) 700MHz B14 4478. Add (2) 24-pair fiber lines. Add (2) DC9 and (6) power lines. Final baseband configuration is (2) 8630. At least 6' horizontal separation between 700 MHz D/E and 700 MHz B/C antennas within the same sector/face and 3' minimum horizontal separation between 700 B14 FNET. For antennas with no working ports, add DF-CAPKIT to open ports and add DUST CAP to RET port. For antennas with working ports, add T-2-DM - 2 Watt load to open ports.				ADDITIONAL WORKFLOW NOTIFICATIONS:		RFDS ID:	4669437		
					RFDS VERSION:	1.00	Created By:	bm7744	Updated By:	bill906
					UMTS FREQUENCY:		Date Created:	8/2/2021 4:42:01 PM	Date Updated:	8/27/2021 2:04:59 PM
					LTE FREQUENCY:		EXPIRATION DATE:			
					5G FREQUENCY:		ESTIMATED SQIN:	15,879	Calculation ID:	20210830101226500
					IPLAN JOB #1:	NER-RTNK-20-03319	IPLAN PRD GRP SUB GRP #1:	LTE Next Carrier LTE 3C ABM		
					IPLAN JOB #2:	NER-RTNK-20-03321	IPLAN PRD GRP SUB GRP #2:	LTE Next Carrier LTE 2C ABM		
					IPLAN JOB #3:	NER-RTNK-20-03322	IPLAN PRD GRP SUB GRP #3:	5G NR Software Radio 5G NR 1DR-2 ABM		
					IPLAN JOB #4:	NER-RTNK-20-03080	IPLAN PRD GRP SUB GRP #4:	NewSite LTE Only 1C ABM		
					IPLAN JOB #5:	NER-RTNK-20-03320	IPLAN PRD GRP SUB GRP #5:	LTE Software Carrier LTE 4C ABM		
IPLAN JOB #6:		IPLAN PRD GRP SUB GRP #6:								
IPLAN JOB #7:		IPLAN PRD GRP SUB GRP #7:								
IPLAN JOB #8:		IPLAN PRD GRP SUB GRP #8:								

Section 2 - LOCATION INFORMATION

USID:	299672	FA LOCATION CODE:	15403957	LOCATION NAME:	SEDALIA	ORACLE PTN #1:	2452A10NSB	PACE JOB #1:	MRTNK056158
REGION:	SOUTHEAST	MARKET CLUSTER:	TENNESSEE/KENTUCKY	MARKET:	EVANSVILLE	ORACLE PTN #2:	2452A10NSL	PACE JOB #2:	MRTNK056157
ADDRESS:	230 STATE ROUTE 381	CITY:	SEDALIA	STATE:	KY	ORACLE PTN #3:	2452A10NSN	PACE JOB #3:	MRTNK056153
ZIP CODE:	42079	COUNTY:	GRAVES	LONG (DEC. DEG.):	-88.6026720	ORACLE PTN #4:	2452ADMSQZ	PACE JOB #4:	MRTNK051543
LATITUDE (D-M-S):	36d 38m16.2888s	LONGITUDE (D-M-S):	-88d -36m-9.6192s	LAT (DEC. DEG.):	36.6378580	ORACLE PTN #5:	2452A10NSG	PACE JOB #5:	MRTNK056159
DIRECTIONS, ACCESS AND EQUIPMENT LOCATION:	TBD				ORACLE PTN #6:		PACE JOB #6:		
					ORACLE PTN #7:		PACE JOB #7:		
					ORACLE PTN #8:		PACE JOB #8:		
					BORDER CELL WITH CONTOUR COORD:		SEARCH RING NAME:	Sedalia	
					AM STUDY REQ'D (Y/N):	No	SEARCH RING ID:	Sedalia	
					FREQ COORD:		BTA:		
							MSA / RSA:		
					RF DISTRICT:	KYWest	LAC(UMTS):		
					RF ZONE:	Evansville	RNC(UMTS):		
					PARENT NAME(UMTS):		MME POOL ID(LTE):	FF20	

Section 3 - LICENSE COVERAGE/FILING INFORMATION

CGSA - NO FILING TRIGGERED (Yes/No):	No	CGSA LOSS:		PCS REDUCED - UPS ZIP:		CGSA CALL SIGNS:
CGSA - MINOR FILING NEEDED (Yes/No):	No	CGSA EXT AGMT NEEDED:		PCS POPS REDUCED:		
CGSA - MAJOR FILING NEEDED (Yes/No):	Yes	CGSA SCORE CARD UPDATED:				

Section 4 - TOWER/REGULATORY INFORMATION

STRUCTURE AT&T OWNED?:	No	GROUND ELEVATION (ft):	518	STRUCTURE TYPE:	SELF SUPPORT	MARKET LOCATION 700 MHz Bands:	
ADDITIONAL REGULATORY?:	Yes	HEIGHT OVERALL (ft):		FCC ASR NUMBER:		MARKET LOCATION 850 MHz Bands:	
SUB-LEASE RIGHTS?:	No	STRUCTURE HEIGHT (ft):	250.00			MARKET LOCATION 1900 MHz Bands:	
LIGHTING TYPE:						MARKET LOCATION AWS Bands:	
						MARKET LOCATION WCS Bands:	
						MARKET LOCATION Future Bands:	

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Checked:	CJW	Date:	09/28/21

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SEDALIA
230 STATE ROUTE 381
SEDALIA, KY 42079**

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Section 17A - FINAL TOWER CONFIGURATION - SECTOR A (OR OMNI)

ANTENNA POSITION is LEFT to RIGHT from BACK OF ANTENNA (unless otherwise specified)	ANTENNA POSITION 1	ANTENNA POSITION 2	ANTENNA POSITION 3	ANTENNA POSITION 4	ANTENNA POSITION 5	ANTENNA POSITION 6	ANTENNA POSITION 7
ANTENNA MAKE - MODEL	NNH4-85D-R6		NNH4-85D-R6				
ANTENNA VENDOR	Comm scope		Comm scope				
ANTENNA SIZE (H x W x D)	105.8X19.6X7.8		105.8X19.6X7.8				
ANTENNA WEIGHT	88.2		88.2				
AZIMUTH	60		60				
MAGNETIC DECLINATION							
RADIATION CENTER (feet)	245		245				
ANTENNA TIP HEIGHT							
MECHANICAL DOWNTILT	0		0				
FEEDER AMOUNT							
VERTICAL SEPARATION from ANTENNA ABOVE (TIP to TIP)							
VERTICAL SEPARATION from ANTENNA BELOW (TIP to TIP)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to LEFT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to RIGHT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from ANOTHER ANTENNA (which antenna # / # of inches)							
Antenna RET Motor (QTY/MODEL)							
SURGE ARRESTOR (QTY/MODEL)							
DIPLEXER (QTY/MODEL)							
DIPLEXER (QTY/MODEL)							
Antenna RET CONTROL UNIT (QTY/MODEL)							
DC BLOCK (QTY/MODEL)							
TMA/LNA (QTY/MODEL)							
CURRENT INJECTORS FOR TMA (QTY/MODEL)							
PDU FOR TMAs (QTY/MODEL)							
FILTER (QTY/MODEL)							
SQUID (QTY/MODEL)	2	DC9-48-80-24-8C-EV					
FIBER TRUNK (QTY/MODEL)	2						
DC TRUNK (QTY/MODEL)	6						
REPEATER (QTY/MODEL)							
RRH - 700 band (QTY/MODEL)	1	4449 B5B12	1	4478 B14			
RRH - 850 band (QTY/MODEL)	1	RRH is shared with another band					
RRH - 1900 band (QTY/MODEL)	1	8843 B2B66A					
RRH - AWS band (QTY/MODEL)	1	RRH is shared with another band					
RRH - WCS band (QTY/MODEL)							
Additional RRH #1 - any band (QTY/MODEL)							
Additional RRH #2 - any band (QTY/MODEL)							
RRH 7B 1 (QTY/MODEL)							
RRH 7B 2 (QTY/MODEL)							
RRH 7B 3 (QTY/MODEL)							
Additional Component 1 (QTY/MODEL)							
Additional Component 2 (QTY/MODEL)							
Additional Component 3 (QTY/MODEL)							
Local Market Note 1	Antenna positions left to right facing front of antennas.						
Local Market Note 2							
Local Market Note 3							

PORT SPECIFIC FIELDS	PORT NUMBER	USEID (CSNng)	USEID (Atoll)	ATOLL TXID	ATOLL CELL ID	TX/RX ?	TECHNOLOGY/FREQUENCY	ANTENNA ATOLL	ANTENNA GAIN	ELECTRICAL AZIMUTH	ELECTRICAL TILT	RRH LOCATION (Top/Bottom/Integrated/None)	FEEDERS TYPE	FEEDER LENGTH (feet)	RX/IT KIT MODULE ?	TRIPLEXER or LLC (QTY)	TRIPLEXER or LLC (MODEL)	SCP/AMCPA MODULE ?	HATCHPLATE POWER (Watts)	ERP (Watts)	Antenna RET Name	CABLE NUMBER	CABLE ID (CSSNG)	
ANTENNA POSITION 1	PORT 1	299672.A.700.4G.2		KYL09978_7A_2	KYL09978_7A_2		LTE 700	NNH4-85D-R6_728MHz_04DT	15.6	80	4	TOP	Fiber	0	NO									
	PORT 2	299672.A.850.5G.1		KYEN003178_N005A_1	KYEN003178_N005A_1		5G 850	NNH4-85D-R6_849MHz_04DT	16.2	80	4	TOP	Fiber	0	NO									
	PORT 3	299672.A.AWS.4G.1		KYL03178_2A_1	KYL03178_2A_2		LTE AWS	NNH4-85D-	17.3	80	2	TOP	Fiber	0	NO									
ANTENNA POSITION 3	PORT 4	299672.A.AWS.4G.2		KYL03178_2A_1	KYL03178_2A_1			R6_2130MHz_02DT																
		299672.A.1900.4G.1, 299672.A.1900.4G.2		KYL03178_9A_1, KYL03178_9A_1	KYL03178_9A_2, KYL03178_9A_1		LTE 1900	NNH4-85D-R6_1930MHz_02DT	17.2	80	2	TOP	Fiber	0	NO									
ANTENNA POSITION 3	PORT 1	299672.A.700.4G.1		KYL09978_7A_1_F	KYL09978_7A_1_F		LTE 700	NNH4-85D-R6_768MHz_04DT	15.9	80	4	TOP	Fiber	0	NO									

1 RFDS CONFIGURATION TABLE
NOT TO SCALE



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Section 17B - FINAL TOWER CONFIGURATION - SECTOR B

ANTENNA POSITION is LEFT TO RIGHT from BACK OF ANTENNA (unless otherwise specified)	ANTENNA POSITION 1	ANTENNA POSITION 2	ANTENNA POSITION 3	ANTENNA POSITION 4	ANTENNA POSITION 5	ANTENNA POSITION 6	ANTENNA POSITION 7
ANTENNA MAKE - MODEL	NNH4-65D-R6		NNH4-65D-R6				
ANTENNA VENDOR	Comm scope		Comm scope				
ANTENNA SIZE (H x W x D)	105.8X19.6X7.8		105.8X19.6X7.8				
ANTENNA WEIGHT	88.2		88.2				
AZIMUTH	180		180				
MAGNETIC DECLINATION							
RADIATION CENTER (feet)	245		245				
ANTENNA TIP HEIGHT							
MECHANICAL DOWNTILT	0		0				
FEEDER AMOUNT							
VERTICAL SEPARATION from ANTENNA ABOVE (TIP to TIP)							
VERTICAL SEPARATION from ANTENNA BELOW (TIP to TIP)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to LEFT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to RIGHT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from ANOTHER ANTENNA (which antenna # / # of inches)							
Antenna RET Motor (QTY/MODEL)							
SURGE ARRESTOR (QTY/MODEL)							
DIPLEXER (QTY/MODEL)							
DIPLEXER (QTY/MODEL)							
Antenna RET CONTROL UNIT (QTY/MODEL)							
DC BLOCK (QTY/MODEL)							
TMALHA (QTY/MODEL)							
CURRENT INJECTORS FOR TMA (QTY/MODEL)							
PDU FOR TMA (QTY/MODEL)							
FILTER (QTY/MODEL)							
SQUID (QTY/MODEL)							
FIBER TRUNK (QTY/MODEL)							
DC TRUNK (QTY/MODEL)							
REPEATER (QTY/MODEL)							
RRH - 700 band (QTY/MODEL)	1	4449 B5B12	1	4478 B14			
RRH - 850 band (QTY/MODEL)	1	RRH is shared with another band					
RRH - 1900 band (QTY/MODEL)	1	8843 B2B66A					
RRH - AWS band (QTY/MODEL)	1	RRH is shared with another band					
RRH - WCS band (QTY/MODEL)							
Additional RRH #1 - any band (QTY/MODEL)							
Additional RRH #2 - any band (QTY/MODEL)							
RRH 7B 1 (QTY/MODEL)							
RRH 7B 2 (QTY/MODEL)							
RRH 7B 3 (QTY/MODEL)							
Additional Component 1 (QTY/MODEL)							
Additional Component 2 (QTY/MODEL)							
Additional Component 3 (QTY/MODEL)							
Local Market Note 1	Antenna positions left to right facing front of antennas.						
Local Market Note 2							
Local Market Note 3							

PORT SPECIFIC FIELDS	PORT NUMBER	USEID (CSSng)	USEID (Atoll)	ATOLL TXID	ATOLL CELL ID	TX/RX ?	TECHNOLOGY/FREQUENCY	ANTENNA ATOLL	ANTENNA GAIN	ELECTRICAL AZIMUTH	ELECTRICAL TILT	RRH LOCATION (Top/Bottom/Integrated/None)	FEEDERS TYPE	FEEDER LENGTH (feet)	RX/IT KIT MODULE ?	TRIPLEXER or LLC (QTY)	TRIPLEXER or LLC (MODEL)	SCP/MCPA MODULE ?	HATCHPLATE POWER (Watts)	ERP (Watts)	Antenna RET Name	CABLE NUMBER	CABLE ID (CSSNG)	
ANTENNA POSITION 1	PORT 1	299672.B.700.4G.2		KYL09978_7B_2	KYL09978_7B_2		LTE 700	NNH4-65D-R6_728MHz_04DT	15.6	180	4	TOP	Fiber	0	NO									
	PORT 2	299672.B.850.5G.1		KYEN003178_N005B_1	KYEN003178_N005B_1		5G 850	NNH4-65D-R6_849MHz_04DT	16.2	180	4	TOP	Fiber	0	NO									
	PORT 3	299672.B.AWS.4G.1		KYL03178_2B_1	KYL03178_2B_2		LTE AWS	NNH4-65D-	17.3	180	2	TOP	Fiber	0	NO									
		299672.B.AWS.4G.2		KYL03178_2B_1	KYL03178_2B_1			R6_2130MHz_02DT																
	PORT 4	299672.B.1900.4G.1, 299672.B.1900.4G.2		KYL03178_8B_1, KYL03178_8B_1	KYL03178_8B_2, KYL03178_8B_1		LTE 1900	NNH4-65D-R6_1930MHz_02DT	17.2	180	2	TOP	Fiber	0	NO									
ANTENNA POSITION 3	PORT 1	299672.B.700.4G.1		KYL09978_7B_1_F	KYL09978_7B_1_F		LTE 700	NNH4-65D-R6_768MHz_04DT	15.9	180	4	TOP	Fiber	0	NO									

1 RFDS CONFIGURATION TABLE
NOT TO SCALE



0	ISSUED FOR CONSTRUCTION	CES	11/03/21
B	ISSUED FOR REVIEW	CES	10/27/21
A	ISSUED FOR REVIEW	CES	09/28/21
No.	Submital / Revision	App'd	Date

Project Number
2136-Z0001-C

Project Title
15403957
TI-OPP-17997
SEDALIA
230 STATE ROUTE 381
SEDALIA, KY 42079

FOR REFERENCE ONLY

Drawing Title
RFDS CONFIGURATION TABLE

Drawing Scale:
AS NOTED

Date:
09/28/21

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Drawing Number
RF3

Section 17C - FINAL TOWER CONFIGURATION - SECTOR C

ANTENNA POSITION is LEFT to RIGHT from BACK OF ANTENNA (unless otherwise specified)	ANTENNA POSITION 1	ANTENNA POSITION 2	ANTENNA POSITION 3	ANTENNA POSITION 4	ANTENNA POSITION 5	ANTENNA POSITION 6	ANTENNA POSITION 7
ANTENNA MAKE - MODEL	NNH4-65D-R6		NNH4-65D-R6				
ANTENNA VENDOR	Comm scope		Comm scope				
ANTENNA SIZE (H x W x D)	105.8X19.6X7.8		105.8X19.6X7.8				
ANTENNA WEIGHT	88.2		88.2				
AZIMUTH	300		300				
MAGNETIC DECLINATION							
RADIATION CENTER (feet)	245		245				
ANTENNA TIP HEIGHT							
MECHANICAL DOWNTILT	0		0				
FEEDER AMOUNT							
VERTICAL SEPARATION from ANTENNA ABOVE (TIP to TIP)							
VERTICAL SEPARATION from ANTENNA BELOW (TIP to TIP)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to LEFT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to RIGHT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from ANOTHER ANTENNA (which antenna # / # of inches)							
Antenna RET Motor (QTY/MODEL)							
SURGE ARRESTOR (QTY/MODEL)							
DIPLEXER (QTY/MODEL)							
DIPLEXER (QTY/MODEL)							
Antenna RET CONTROL UNIT (QTY/MODEL)							
DC BLOCK (QTY/MODEL)							
TMA/LNA (QTY/MODEL)							
CURRENT INJECTORS FOR TMA (QTY/MODEL)							
PDU FOR TMA (QTY/MODEL)							
FILTER (QTY/MODEL)							
SQUID (QTY/MODEL)							
FIBER TRUNK (QTY/MODEL)							
DC TRUNK (QTY/MODEL)							
REPEATER (QTY/MODEL)							
RRH - 700 band (QTY/MODEL)	1	4449 B5B12	1	4478 B14			
RRH - 850 band (QTY/MODEL)	1	RRH is shared with another band					
RRH - 1900 band (QTY/MODEL)	1	8843 B2B66A					
RRH - AWS band (QTY/MODEL)	1	RRH is shared with another band					
RRH - WCS band (QTY/MODEL)							
Additional RRH #1 - any band (QTY/MODEL)							
Additional RRH #2 - any band (QTY/MODEL)							
RRH 7B 1 (QTY/MODEL)							
RRH 7B 2 (QTY/MODEL)							
RRH 7B 3 (QTY/MODEL)							
Additional Component 1 (QTY/MODEL)							
Additional Component 2 (QTY/MODEL)							
Additional Component 3 (QTY/MODEL)							
Local Market Note 1	Antenna positions left to right facing front of antennas.						
Local Market Note 2							
Local Market Note 3							

PORT SPECIFIC FIELDS	PORT NUMBER	USE ID (CS Sng)	USED (Atoll)	ATOLL TXID	ATOLL CELL ID	TX/RX ?	TECHNOLOGY/FREQUENCY	ANTENNA ATOLL	ANTENNA GAIN	ELECTRICAL AZIMUTH	ELECTRICAL TILT	RRH LOCATION (Top/Bottom/Integrated/None)	FEEDERS TYPE	FEEDER LENGTH (feet)	RX KIT MODULE ?	TRIPLEXER or LLC (QTY)	TRIPLEXER or LLC (MODEL)	SCPA/MCPA MODULE ?	HATCHPLATE POWER (Watts)	ERP (Watts)	Antenna RET Name	CABLE NUMBER	CABLE ID (CSSNG)
ANTENNA POSITION 1	PORT 1	299672.C.700.4G.2		KYL09978_7C_2	KYL09978_7C_2		LTE 700	NNH4-65D-R6_728MHz_04DT	15.6	300	4	TOP	Fiber	0	NO								
	PORT 2	299672.C.850.5G.1		KYEN003178_N005C_1	KYEN003178_N005C_1		5G 850	NNH4-65D-R6_849MHz_04DT	16.2	300	4	TOP	Fiber	0	NO								
	PORT 3	299672.C.AWS.4G.1		KYL03178_2C_1	KYL03178_2C_2		LTE AWS	NNH4-65D-R6_2130MHz_02DT	17.3	300	2	TOP	Fiber	0	NO								
ANTENNA POSITION 2	PORT 4	299672.C.1900.4G.1, 299672.C.1900.4G.2		KYL03178_9C_1, KYL03178_9C_2	KYL03178_9C_1, KYL03178_9C_2		LTE 1900	NNH4-65D-R6_1930MHz_02DT	17.2	300	2	TOP	Fiber	0	NO								
	PORT 1	299672.C.700.4G.1		KYL09978_7C_1_F	KYL09978_7C_1_F		LTE 700	NNH4-65D-R6_768MHz_04DT	15.9	300	4	TOP	Fiber	0	NO								

1 RFDS CONFIGURATION TABLE
NOT TO SCALE



0 ISSUED FOR CONSTRUCTION CES 11/03/21
 B ISSUED FOR REVIEW CES 10/27/21
 A ISSUED FOR REVIEW CES 09/28/21
 No. Submittal / Revision App'd Date
 Drawn: CES Date: 09/28/21
 Designed: CES Date: 09/28/21
 Checked: C/W Date: 09/28/21
 Project Number 2136-Z0001-C

Project Title
 15403957
 TI-OPP-17997
 SEDALIA
 230 STATE ROUTE 381
 SEDALIA, KY 42079

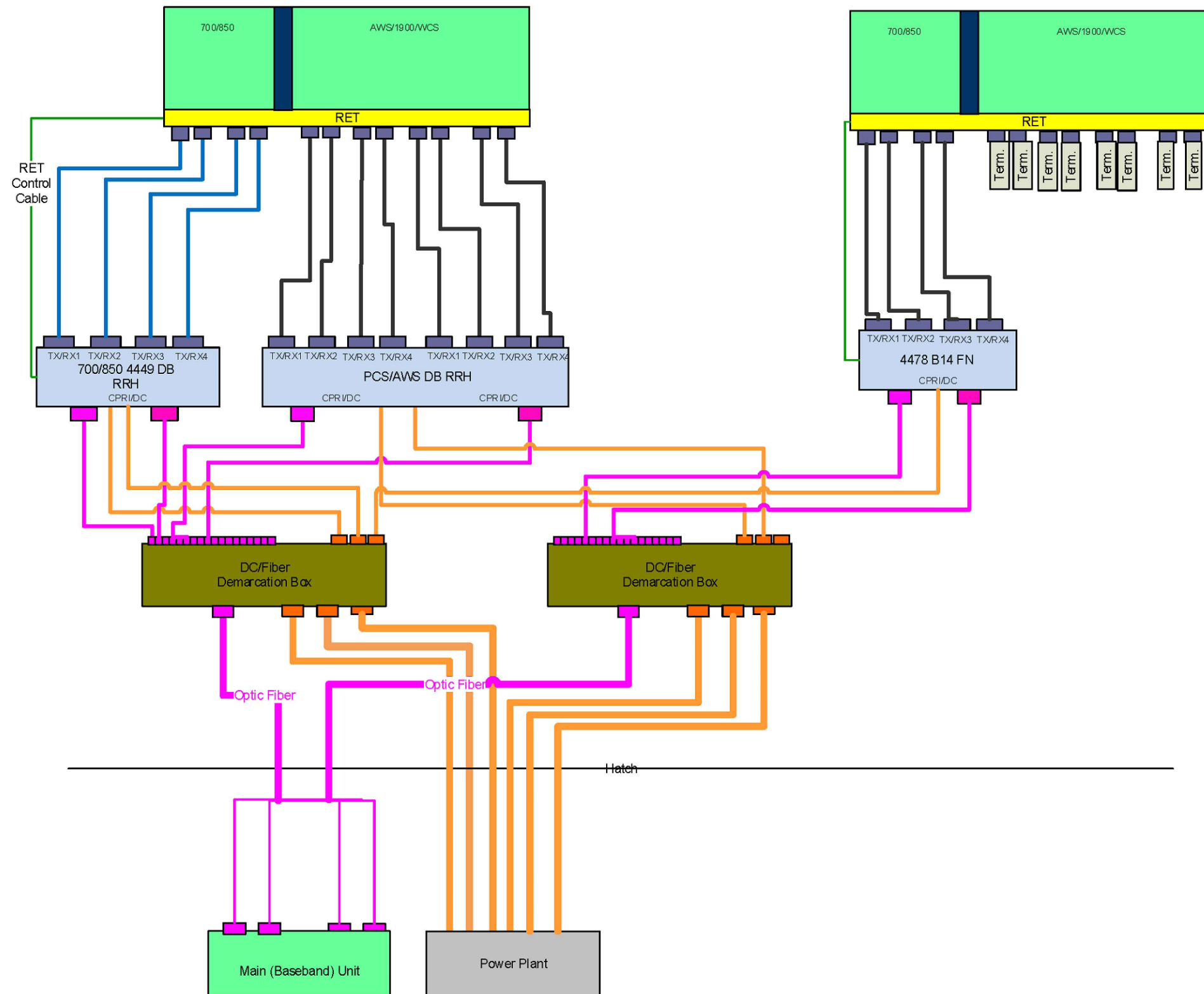
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Drawing Title
 RFDS CONFIGURATION TABLE

Drawing Scale: AS NOTED
 Date: 09/28/21
CD

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Drawing Number
RF4



1 RFDS PLUMBING DIAGRAM
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Drawn: CES Date: 09/28/21
 Designed: CES Date: 09/28/21
 Checked: C/W Date: 09/28/21

Project Number
 2136-Z0001-C

Project Title
 15403957
 TI-OPP-17997
 SEDALIA
 230 STATE ROUTE 381
 SEDALIA, KY 42079

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Drawing Title
 RFDS
 PLUMBING
 DIAGRAM

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RF5

EXHIBIT J-1
POST OFFICE CERTIFICATIONS FOR NOTICE LETTERS

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BOYD GREG & MARTHA TRUST
585 STATE RT 339 E
MAYFIELD, KY 42066

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HARRIS JANIS
P. O. BOX 2
SEDALIA, KY 42079

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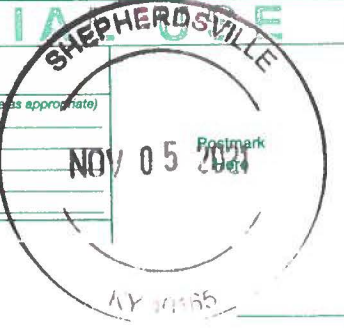
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RHEA STUART T
437 STATE RT 381
SEDALIA, KY 42079

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WEST KY RURAL ELECT CORP
PO BOX 589
MAYFIELD, KY 42066

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THOMAS DOUGLAS
281 STATE RT 381
SEDALIA, KY 42079

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CANTER LYLE & LORA
345 STATE RT 381
SEDALIA, KY 42079

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WEST MASON LEE & LINDA F
1840 STATE ROUTE 339 E
SEDALIA, KY 42079

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ARANT CHARLES T & SARAH K
265 STATE RT 381
SEDALIA, KY 42079

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BLANTON LONNIE & CONNIE
1644 ST RT 1382
SEDALIA, KY 42079

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HOOD RICKY J
356 STATE RT 381
SEDALIA, KY 42066

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CATES MARY BETH
182 ST RT 381
SEDALIA, KY 42079

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KEMP LOUIS W & CHRISTINA K
148 STATE RT 381
SEDALIA, KY 42079

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Adult Signature Restricted Delivery \$

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FRIESEN CARLOS DEAN & LANDYN MAKENZIE
 1697 STATE RT 339 EAST
 SEDALIA, KY 42079

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COLTHARP GLYNN E & TERRY LYNN
 204 STATE RT 381
 SEDALIA, KY 42079

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Total \$

RODRIGUEZ JONATHAN A
 6219 STATE RT 97
 MAYFIELD, KY 42066

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 KY 40165

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Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage
\$

Total \$

RILEY JESSICA C
 1745 ST RT 339 E
 SEDALIA, KY 4207 9

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 KY 40165

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Return Receipt (hardcopy) \$

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage
\$

Total \$

WATSON CHARLES WAYNE
 6271 STATE RT 97
 MAYFIELD, KY 42066

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Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage
\$

Total \$

CRAFTON STUART B & CATHERINE
 6255 STATE ROUTE 97
 MAYFIELD, KY 42066

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 KY 40165

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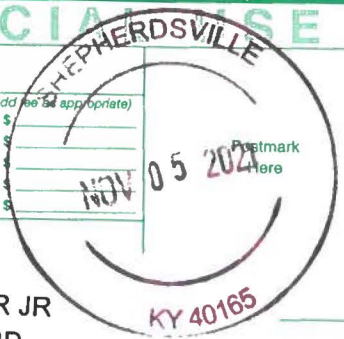
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<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$



Postage	\$
Tr	\$
To	\$
Se	\$
Si	\$
St	\$
City	\$

BUSCH GLENN R JR
586 CARDINAL RD
MAYFIELD, KY 42066

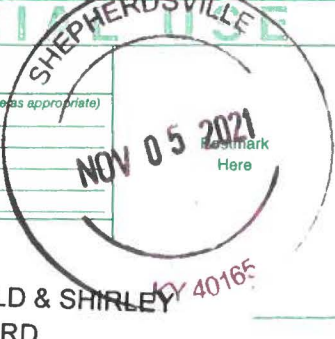
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<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$



Postage	\$
Tr	\$
To	\$
Se	\$
Si	\$
St	\$
City	\$

COLTHARP GERALD & SHIRLEY
1425 VEALSBURG RD
SEDALIA, KY 42079

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<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$



Postage	\$
Tr	\$
To	\$
Se	\$
Si	\$
St	\$
City	\$

PERRY JESSE & KRISTINA
1645 SCOTT RD
SEDALIA, KY 42079

7018 1130 0001 7727 3622

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$



Postage	\$
Tr	\$
To	\$
Se	\$
Si	\$
St	\$
City	\$

JESSE PERRY
COUNTY JUDGE/EXECUTIVE
101 EAST SOUTH STREET
MAYFIELD, KY 42066

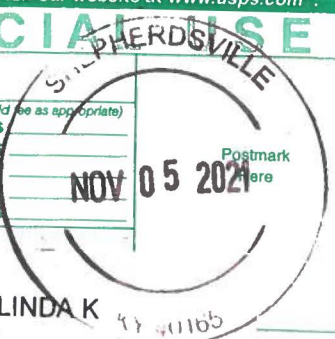
7018 1130 0001 7727 3769

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OFFICIAL USE

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$



Postage	\$
Tr	\$
To	\$
Se	\$
Si	\$
St	\$
City	\$

LESTER RICKY & LINDA K
381 STATE RT 381
SEDALIA, KY 42079

7018 1130 0001 7727 3752

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OFFICIAL USE

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$



Postage	\$
Tr	\$
To	\$
Se	\$
Si	\$
St	\$
City	\$

LONG GARY LEON
447 ST RT 381
SEDALIA, KY 42079

7018 1130 0001 7277 3783

U.S. Postal Service™
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OFFICIAL USE

Certified Mail Fee
\$

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage
\$

NOV 05 2021 Postmark Here

HERITAGE CAPITAL LLC
 44 NORTHSIDE DR
 MAYFIELD, KY 42066

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7018 1130 0001 7277 3776

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OFFICIAL USE

Certified Mail Fee
\$

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage
\$

NOV 05 2021 Postmark Here

HOUSE BRAD & CAMILLE
 1839 ST RT 339 E
 SEDALIA, KY 42079

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7018 1130 0001 7277 3806

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
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OFFICIAL USE

Certified Mail Fee
\$

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage
\$

NOV 05 2021 Postmark Here

GOUGH BILLY R & BRENDA J
 564 STATE RT 381
 SEDALIA, KY 42079

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7018 1130 0001 7277 3790

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OFFICIAL USE

Certified Mail Fee
\$

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage
\$

NOV 05 2021 Postmark Here

HENSLEY JERRY
 6201 ST RT 97
 MAYFIELD, KY 42066

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7018 1130 0001 7277 3820

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OFFICIAL USE

Certified Mail Fee
\$

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage
\$

NOV 05 2021 Postmark Here

COCKE TAMMY L & FOX BILLY & JANET
 395 STATE RT 381
 SEDALIA, KY 42079

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7018 1130 0001 7277 3813

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OFFICIAL USE

Certified Mail Fee
\$

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage
\$

NOV 05 2021 Postmark Here

GALLOWAY RICHARD & CATHY &
 GALLOWAY LARRY
 6659 STATE RT 97
 MAYFIELD, KY 42066

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7018 1130 0001 7727 3844

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OFFICIAL USE

Certified Mail Fee
\$ _____

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/>	Return Receipt (hardcopy)	\$ _____
<input type="checkbox"/>	Return Receipt (electronic)	\$ _____
<input type="checkbox"/>	Certified Mail Restricted Delivery	\$ _____
<input type="checkbox"/>	Adult Signature Required	\$ _____
<input type="checkbox"/>	Adult Signature Restricted Delivery	\$ _____

Postage
\$ _____

To
\$ CHOATE LORI LAIN
\$ 4978 OLD DUBLIN RD
\$ MAYFIELD, KY 42066
\$ _____
\$ _____
\$ _____

Postmark
NOV 05 2021

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7018 1130 0001 7727 3837

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee
\$ _____

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/>	Return Receipt (hardcopy)	\$ _____
<input type="checkbox"/>	Return Receipt (electronic)	\$ _____
<input type="checkbox"/>	Certified Mail Restricted Delivery	\$ _____
<input type="checkbox"/>	Adult Signature Required	\$ _____
<input type="checkbox"/>	Adult Signature Restricted Delivery	\$ _____

Postage
\$ _____

To
\$ CLYMER RICHARD A
\$ 1765 ST RT 339 E
\$ SEDALIA, KY 42079
\$ _____
\$ _____
\$ _____

Postmark
NOV 05 2021

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instruction

7018 1130 0001 7727 3868

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
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OFFICIAL USE

Certified Mail Fee
\$ _____

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/>	Return Receipt (hardcopy)	\$ _____
<input type="checkbox"/>	Return Receipt (electronic)	\$ _____
<input type="checkbox"/>	Certified Mail Restricted Delivery	\$ _____
<input type="checkbox"/>	Adult Signature Required	\$ _____
<input type="checkbox"/>	Adult Signature Restricted Delivery	\$ _____

Postage
\$ _____

To
\$ CATES JERRY & JENNIFER
\$ PO BOX 44
\$ SEDALIA, KY 42079
\$ _____
\$ _____
\$ _____

Postmark
NOV 05 2021

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7018 1130 0001 7727 3851

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OFFICIAL USE

Certified Mail Fee
\$ _____

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/>	Return Receipt (hardcopy)	\$ _____
<input type="checkbox"/>	Return Receipt (electronic)	\$ _____
<input type="checkbox"/>	Certified Mail Restricted Delivery	\$ _____
<input type="checkbox"/>	Adult Signature Required	\$ _____
<input type="checkbox"/>	Adult Signature Restricted Delivery	\$ _____

Postage
\$ _____

To
\$ CHAMBERS MICHAEL
\$ 419 STATE RT 381
\$ SEDALIA, KY 42079
\$ _____
\$ _____
\$ _____

Postmark
NOV 05 2021

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instruction

EXHIBIT J-2
GRAVES COUNTY PVA RECORDS:
PARCEL #109.01.00.020.00 (ADJOINER Q1)
PARCEL #109.00.00.031.00 (ADJOINER D2)
PARCEL #109.01.00.026.00

qPublic.net™ Graves County, KY PVA

Summary

Parcel Number 109.01.00.020.00
 Account Number 378054
 Location Address 1697 ST RT 339 E
 Description HOUSE & 3.72 ACRES(109A-3-7)
 (Note: Not to be used on legal documents)
 Class RESIDENTIAL (10)
 Tax District 02 Graves County

[View Map](#)



Ownership

FRIESEN CARLOS DEAN & LANDYN MAKENZIE
 1697 STATE RT 339 EAST
 SEDALIA, KY 42079

Land Characteristics

Condition	Good	Topography	Level
Plat Book/Page		Drainage	
Subdivision		Flood Hazard	
Lot		Zoning	
Block		Electric	Yes
Acres	3.72	Water	Yes
Front	0	Gas	Yes
Depth	0	Sewer	Yes
Lot Size	0x0	Road	2 Lane
Lot Sq Ft	162043	Sidewalks	No
Shape		Information Source	

Tax Roll Information

	Working Value	Certified Value
+ Land Value	\$70,000	\$40,000
+ Improvement Value	\$0	\$0
= Total Taxable Value	\$70,000	\$40,000
- Exemption Value	\$0	\$0
= Net Taxable Value	\$70,000	\$40,000
Exemption	Homestead: No	Homestead: No

Tax Statements

- [2021 Tax Statements \(PDF\)](#)
- [2020 Tax Statements \(PDF\)](#)
- [2019 Tax Statements \(PDF\)](#)
- [2018 Tax Statements \(PDF\)](#)
- [2017 Tax Statements \(PDF\)](#)

Improvement Information

Building Number	1	Kitchens	1
Description	HOUSE	Dining Rooms	1
Residence Type	Seasonal Cottage	Living Rooms	0
Comm Type		Family Rooms	1
Mobile Home Type		Bedrooms	2
Year Built	1940	Full Baths	1
Effective Age	0	Half Baths	0
Ave. Wall Height	0	Other Rooms	0
Structure	1 Story	Total Rooms	6
Number of Stories	1	Living Sq Ft	1,242
Exterior	Frame/Brick	Basement Sq Ft	0
Foundation	Poured Concrete	Fireplaces/Water	0 / N
Construction Type	None	Supplemental Heat	None
Construction Quality	Average/Standard	Mobile Home Model	
Building Condition	Good/Average	Mobile Home Manufacturer	
Roof Type	RY-Gable	MH Skirt Foundation	
Roof Cover	RF-Asphalt Shingles	Heat	N
Roof Pitch	RP-None	Heat Source	None

Basement Type	BT-None	Heat Type	None
Basement Finish	None	Air Conditioning	Y
Basement Size	BS-None	AC/Type	Wall Units
Garage/Carport	Carport	Special Improvements	N
Garage Size	1 Car	Fire Alarm	N
Garage Type	Attached Carport	Sprinklers	N
Garage Exterior	None	Porch/Deck	
Width	0	Porch Sq Ft	0
Length	0	Deck Sq Ft	0
Garage Sq Ft	0	Concrete Sq Ft	0
Pool	None	Farm Bldg Type	
Pool Size	0	Value	\$0.00
Tennis Courts	None	Driveway	Gravel
		Fence	0

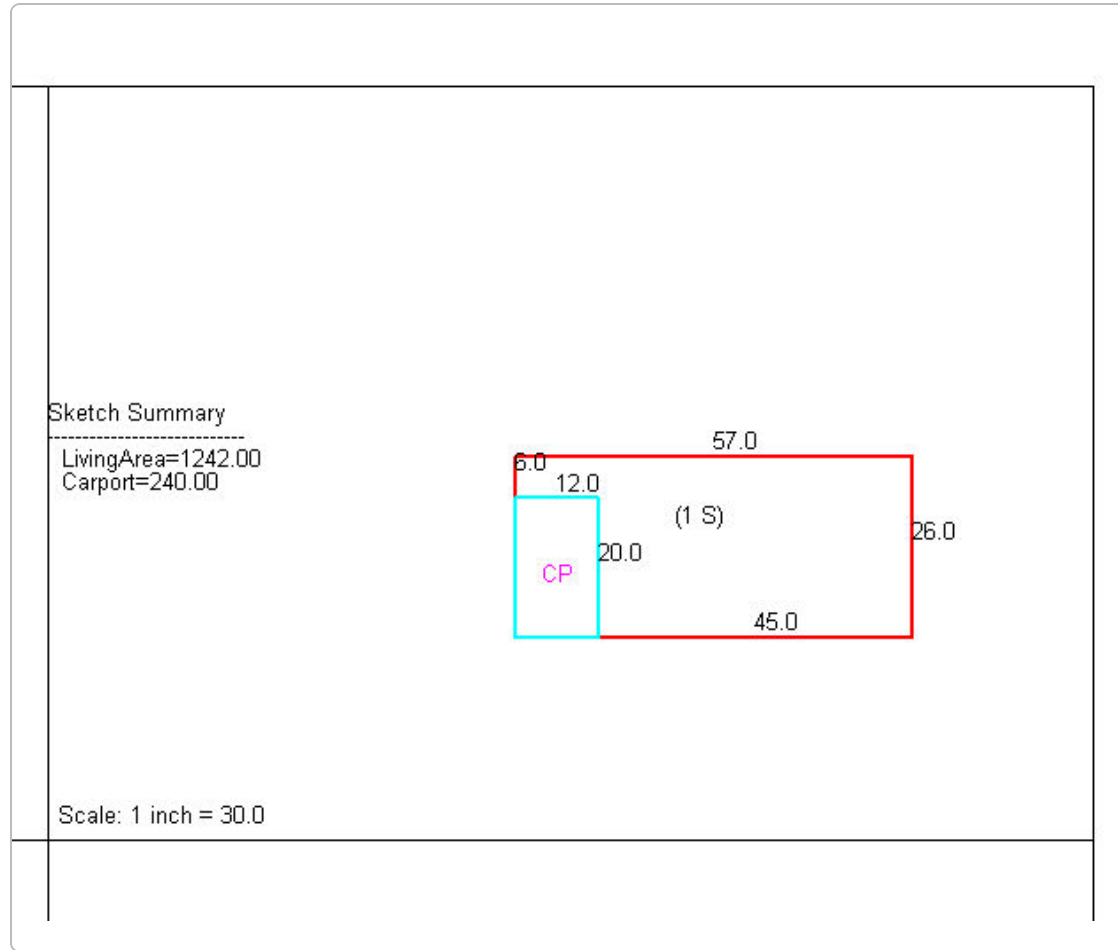
Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
5/25/2021	\$70,000	538	529	FRIESEN CARLOS DEAN & LANDYN MAKENZIE	JONES GALEN & SONDR
3/26/2018	\$40,000	515	251	JONES GALEN& SONDR	RILEY JOHN BEN
9/26/2013	\$25,000	483	737	RILEY JOHN BEN	FUTRELL FRANK
9/1/1989	\$20,000			FUTRELL FRANK	SHELTON C W & MARY
8/1/1989	\$19,000			SHELTON C W & MARY	CALDWELL JOSEPH

Photos



Sketches



Recent Sales In Area

Sale date range:

From:

11/29/2018

To:

11/29/2021

Sales by Area

1500

Feet



Sales by Distance

Graves County makes every effort to produce the most accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use or interpretation. The assessment information is from the last certified taxroll. All data is subject to change before the next certified taxroll.

[User Privacy Policy](#)
[GDPR Privacy Notice](#)

Last Data Upload: 11/26/2021, 8:32:51 PM



Version 2.3.163



Summary

Parcel Number 109.00.00.031.00
 Account Number 377881
 Location Address ST RT 97
 Description 13 ACRES(109-37A)
 (Note: Not to be used on legal documents)
 Class FARM (20)
 Tax District 02 Graves County

[View Map](#)

Ownership

GALLOWAY RICHARD & CATHY & GALLOWAY LARRY
 6659 STATE RT 97
 MAYFIELD, KY 42066

Land Characteristics

Condition		Topography	Not Used
Plat Book/Page		Drainage	
Subdivision		Flood Hazard	
Lot		Zoning	
Block		Electric	No
Acres	0.00	Water	No
Front	0	Gas	No
Depth	0	Sewer	No
Lot Size	0x0	Road	
Lot Sq Ft	0	Sidewalks	No
Shape		Information Source	

Tax Roll Information

	Working Value	Certified Value
+ Land Value	\$6,100	\$6,100
+ Improvement Value	\$0	\$0
= Total Taxable Value	\$6,100	\$6,100
- Exemption Value	\$0	\$0
= Net Taxable Value	\$6,100	\$6,100
+ Land FCV	\$85,000	\$43,000
+ Improvement FCV	\$0	\$0
= Total FCV	\$85,000	\$43,000
Exemption	Homestead: No	Homestead: No

Tax Statements

- [2021 Tax Statements \(PDF\)](#)
- [2020 Tax Statements \(PDF\)](#)
- [2019 Tax Statements \(PDF\)](#)
- [2018 Tax Statements \(PDF\)](#)
- [2017 Tax Statements \(PDF\)](#)

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
5/24/2016	\$0	502	111	GALLOWAY RICHARD & CATHY &	GALLOWAY N L & LENA M
4/1/1960	\$10,010	173	498	GALLOWAY N L & LENA M	

Recent Sales In Area

Sale date range:

From:

11/29/2018

To:

11/29/2021

Sales by Area

1500

Feet



Sales by Distance

No data available for the following modules: Improvement Information, Photos, Sketches.

Graves County makes every effort to produce the most accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use or interpretation. The assessment information is from the last certified taxroll. All data is subject to change before the next certified taxroll.

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[GDPR Privacy Notice](#)

Developed by



Last Data Upload: [11/26/2021, 8:32:51 PM](#)

Version 2.3.163

qPublic.net Graves County, KY PVA

Summary

Parcel Number 109.01.00.026.00
 Account Number 378062
 Location Address ST RT 381
 Description BARN & LOT(109A-3-22A)
 (Note: Not to be used on legal documents)
 Class RESIDENTIAL (10)
 Tax District 02 Graves County

[View Map](#)



Ownership

KEMP LOUIS W & CHRISTINA K
 148 STATE RT 381
 SEDALIA, KY 42079

Land Characteristics

Condition	Good	Topography	Rolling
Plat Book/Page		Drainage	
Subdivision		Flood Hazard	
Lot		Zoning	Residential
Block		Electric	Yes
Acres	1.49	Water	Yes
Front	130	Gas	Yes
Depth	500	Sewer	Yes
Lot Size	130x500	Road	2 Lane
Lot Sq Ft	65000	Sidewalks	No
Shape		Information Source	

Tax Roll Information

	Working Value	Certified Value
+ Land Value	\$1	\$1
+ Improvement Value	\$0	\$0
= Total Taxable Value	\$1	\$1
- Exemption Value	\$0	\$0
= Net Taxable Value	\$1	\$1
Exemption	Homestead: No	Homestead: No

Tax Statements

[2017 Tax Statements \(PDF\)](#)

Improvement Information

Building Number	1	Kitchens	0
Description	HOUSE	Dining Rooms	0
Residence Type	Seasonal Cottage	Living Rooms	0
Comm Type		Family Rooms	0
Mobile Home Type		Bedrooms	0
Year Built	1900	Full Baths	0
Effective Age	0	Half Baths	0
Ave. Wall Height	0	Other Rooms	0
Structure	1 Story	Total Rooms	0
Number of Stories	1	Living Sq Ft	1,375
Exterior	Frame/Brick	Basement Sq Ft	0
Foundation	Brick/Stone	Fireplaces/Water	0 / N
Construction Type	None	Supplemental Heat	None
Construction Quality	Average/Standard	Mobile Home Model	
Building Condition	Good/Average	Mobile Home Manufacturer	
Roof Type	RY-Gable	MH Skirt Foundation	
Roof Cover	RF-Asphalt Shingles	Heat	N
Roof Pitch	RP-None	Heat Source	None
Basement Type	BT-None	Heat Type	None
Basement Finish	None	Air Conditioning	N
Basement Size	BS-None	AC/Type	None
Garage/Carport	Garage	Special Improvements	N

Garage Size 1 Car
 Garage Type Attached Garage
 Garage Exterior None
 Width 0
 Length 0
 Garage Sq Ft 240
 Pool None
 Pool Size 0
 Tennis Courts None

Fire Alarm N
 Sprinklers N
 Porch/Deck Open
 Porch Sq Ft 90
 Deck Sq Ft 426
 Concrete Sq Ft 0
 Farm Bldg Type
 Value \$0.00
 Driveway Gravel
 Fence 0

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
1/14/2019	\$0	521	203	KEMP LOUIS W & CHRISTINA K	WRAY KENNETH B & DONNA JO
9/1/1969	\$0	480	302	WRAY KENNETH B & DONNA JO	

Photos



Recent Sales In Area

Sale date range:

From:

11/29/2018

To:

11/29/2021

Sales by Area

1500

Feet



Sales by Distance

No data available for the following modules: Sketches.

Graves County makes every effort to produce the most accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use or interpretation. The assessment information is from the last certified taxroll. All data is subject to change before the next certified taxroll.

[User Privacy Policy](#)
[GDPR Privacy Notice](#)

Last Data Upload: 11/26/2021, 8:32:51 PM

Version 2.3.163



EXHIBIT M-1
NEWSPAPER NOTICE ADVERTISEMENT PUBLICATION

McCRACKEN CO. | GRAVES CO. | MARSHALL CO. | LYON CO. | CALDWELL CO. | MASSAC CO.

CLASSIFIEDS

CALL 1-800-599-1771 OR EMAIL: classifieds@paducahsun.com
 LOG ON TO CREATE YOUR OWN: PaducahSun.com (click Classifieds at the top of the page)



Buy and sell across Western Kentucky & Southern Illinois in one location. Your ad will appear in 6 newspapers!

READ THE CLASSIFIEDS DAILY!

Lyon County Water District Customer Notice

Notice is hereby given that the Lyon County expects to file an application with the Kentucky Public Service Commission on or about November 22, 2021, seeking approval of a proposed adjustment to its water rates. The proposed rates shall not become effective until the Public Service Commission has issued an order approving these rates.

5/8 Inch X 3/4 Inch Meter: First 2,000 Gal, Next 3,000 Gal Next 5,000 Gal, Next 10,000 Gal, Over 20,000 Gal
Current: \$25.76 Min., \$11.00 Per 1000 Gal, \$7.88 Per 1000 Gal, \$6.63 Per 1000 Gal, \$5.88 Per 1000 Gal.
Proposed: \$29.53 Min. Bill, \$12.61 Per 1000 Gal, \$9.03 Per 1000 Gal, \$7.60 Per 1000 Gal, \$6.74 Per 1000 Gal
Difference: \$3.77 14.64%, \$1.61 14.64%, \$1.15 14.59%, \$0.97 14.63%, \$0.86 14.63%

1" Meter: First 15,000 Gal, Next 5,000 Gal, Over 20,000 Gal
Current: \$121.95 Min Bill, \$6.63 Per 1000 Gal, \$5.88 Per 1000 Gal
Proposed: \$139.78 Min Bill, \$7.60 Per 1000 Gal, \$6.74 Per 1000 Gal
Difference: \$17.83 14.62%, \$0.97 14.63%, \$0.86 14.63%

1 1/2" Meter: First 25,000 Gal, Over 25,000 Gal
Current: \$165.75 Min Bill, \$5.88 Per 1000 Gal
Proposed: \$189.98 Min Bill, \$6.74 Per 1000 Gal
Difference: \$24.23 14.62%, \$0.86 14.63%

2" Meter: First 45,000 Gal, Over 45,000 Gal
Current: \$298.35 Min Bill, \$5.88 Per 1000 Gal
Proposed: \$341.97 Min Bill, \$6.74 Per 1000 Gal
Difference: \$43.62 14.62%, \$0.86 14.63%

If the Public Service Commission approves the proposed rates, then the monthly bill for a customer using an average of 4,000 gallons per month will increase from \$47.76 to \$54.75. This is an increase of \$6.99 or 14.64%. The rates contained in this notice are the rates proposed by Lyon County Water District. However, the Public Service Commission may order rates to be charged that differ from these proposed rates. Such action may result in rates for consumers other than the rates shown in this notice. Lyon County Water District has available for inspection at its office the application which it submitted to the Public Service Commission. A person may examine this application at the District's office located at 5464 US HWY 62 West, Kuttawa, KY. You may contact the office at 270-388-0271. A person may also examine the application at the Public Service Commission's offices located at 211 Sower Boulevard, Frankfort, Kentucky, 40601, Monday through Friday, 8:00 a.m. to 4:30 p.m., or through the Public Service Commission's website at <http://psc.ky.gov>. Comments regarding the application may be submitted to the Public Service Commission through its website or by mail to Public Service Commission, PO Box 615, Frankfort, Kentucky, 40602. You may contact the Public Service Commission at 502-564-3940. A person may submit a timely written request for intervention to the Public Service Commission, PO Box 615, Frankfort, KY, 40602, establishing the grounds for the request including the status and interest of the party. If the Public Service Commission does not receive a written request for intervention within thirty (30) days of the initial publication of this notice, the Public Service Commission may take final action on the application.

0100 ANNOUNCEMENTS

Free Wooden Pallets located behind The Paducah Sun 408 Kentucky Ave Paducah Ky

Lawn Care
 21 years of experience, leaf removal, either hauling off or own site dumping, and fall clean up 270-705-1862

Fill Your Purse Through the Classifieds

0200 EMPLOYMENT

Goodwill - Open Positions
 Locations: Carlisle, Hickman, Graves, Marshall, & McCracken Counties.
 Accepting applications for Part-Time positions! **MUST BE:** 55+ years of age, Meet Low income guidelines, & looking for employment. Let us help you re-enter the workforce! **270-823-0059**, www.goodwillky.org/programs/senior.
Senior Community Service Employment Program. Learn new skills to return to work with paid, on-the-job training! EOE/Minorities/Females/Veterans/Disabled

0200 EMPLOYMENT

Assistant Director of Planning and Community Development
 The Purchase Area Development District (PADD) is seeking a qualified individual for the position of Assistant Director of Planning and Community Development. This position is primarily responsible for assisting the Associate Director in all aspects of the Planning and Community Development department including but not limited to project development & management and public administration services for local officials.
 Skills required include excellent verbal and written communication, ability to work well with diverse populations, initiative and self-direction, excellent organizational skills and attention to detail, experience in Microsoft Office applications.
 Applicant must have a minimum of a bachelor's degree in public administration or a related field. Must possess and maintain a valid driver's license.
 The PADD offers an attractive compensation program. Send cover letter and resume to PADD, Attn: Human Resources, PO Box 588, Mayfield, KY 42066. The PADD is an EOE/AA/ADA employer. Position will remain open until filled.

0900 LEGALS

All contents contained in storage units will be sold at public auction November 9th, 2021 at 8:30 a.m. at www.facebook.com. If all amounts are not paid in full. Phone number is 270-443-1511.

NOTICE OF HEARING

Kentucky Public Service Commission Atmos Energy Corporation gives notice that the Kentucky Public Service Commission will hold a public hearing beginning on December 14, 2021 at 9:00 a.m. EST at its office located at 211 Sower Blvd., Frankfort, KY 40601 for the purpose of cross examination of witnesses and other evidentiary matters related to the application of Atmos Energy for an adjustment of rates,
 Case No. 2021-00214. This hearing will be streamed live and may be viewed on the psc website, psc.ky.gov.
 HEIRS OF EARL AND GLADYS HILL - NOTICE OF FORECLOSURE ACTION ON HARRISON ST. PROPERTY. CONTACT ATTORNEY CAROLYN KEELEY TO PROTECT YOUR OWNERSHIP INTEREST & FOR INFO. (270)559-1961. FORECLOSURE WILL PROCEED IF NO ACTION BY 12/23/21.

NOTICE TO BIDDERS

Sealed proposals will be received by the Lyon County Fiscal Court at the Lyon County Courthouse until 1:00 PM on December 9, 2021 at which time and place they will be publicly opened and read aloud for solid waste disposal service at the Lyon County Convenience Center. Bid shall be sealed in an envelope conspicuously marked "Solid Waste Disposal" and the name of the bidder. You may contact Judge/Executive Wade White via lyoncountyjudge@gmail.com to receive a bid packet. The right is reserved to reject any or all proposals or any part thereof, and to make award in any manner deemed to be in the best interest of Lyon County.
 Lyon County Judge/Executive

Click it. paducahsun.com

The Mayfield Messenger is looking for a part-time circulation assistant.
Duties include but not limited to: Assisting customers with print and online editions, setting up subscriptions in circpro, Processing payments, collecting rack returns, money and entering into circpro, redelivering missed deliveries, communicate with carrier force, subscribers and dealers, running downed routes this involves working nights as needed, setting and replacing paper-tubes at customers homes as needed, preparing weekly reports and routinely market and build subscription base. 25 hours weekly, days may vary.
 To apply please email your resume to ahathcock@tribunecourier.com

The Paducah Sun is currently accepting applications for:
FULL-TIME OFFICE DELIVERY AGENT
 Duties include delivery of newspaper routes as needed, making new delivery tapes, delivery of missed deliveries in the city of Paducah, other duties assigned as needed. Company Vehicle Provided. \$11/HR
 Send Resumes to bstiles@paducahsun.com
 For more information, contact Brijit White at 270-575-8792
 The Paducah Sun is an equal opportunity employer and does not discriminate on the basis of race, religion, color, sex, national origin or disability.

The Paducah Sun is looking to contract independent contractors in the City of Paducah. Delivering a newspaper route consists of working the hours between 1AM-6AM, routes vary on length and time to deliver. Delivery Tuesday-Saturday. Pay varies per route, potential income could be up to \$1400 per month. Must be 18 or older, have a reliable vehicle to deliver routes and current car insurance.
Contract Brijit White for more information at 270-575-8792.

HIRING:
 Caregiver for elderly man; must be vaccinated
 Hours: 8 a.m. - 8 p.m. — possible filling days
 \$15 per hour
 Call 270-969-8130 or 270-704-3244

Landscaper Assistant Needed
 Call to make an appointment.
 Shupe Nursery
 5338 St Rt 97
 Sedalia, KY
270-328-8488

0300 PETS
 Free Bantams- 2 hens, 2 silky roosters. (270)752-3190

0600 REAL ESTATE FOR RENT
 131 NAHM STREET
 1058 sq ft office suite
 1900 BROADWAY
 Office or retail space
 1,750 sq. ft.
 R E Fairhurst Realty
 270 442-5474

0700 REAL ESTATE FOR SALE
HOUSE FOR SALE
 2 BR, 1 Bath on 1.5 acres in Benton. Includes 2 out buildings sizes 12 X 24 and 8 X 10. Please call (270) 703-8634. \$12,000.

0900 LEGALS
 AAA Stow-A-Way wishes to notify following occupants of units:
 4D & 17C Marie Cooper, 18C Michael Nichols, 34G Shane Pirtle, 13E Laura Tabers, 33 Leta Fuller, 10C Dawn Renae Liggett, 15B Stacey Spees, 287 Zach Collier, 291 Clint Culverhouse, 86E Laken Coleman, 181C Telina Gray, 13 Kyleigh Blair, 20 Andrew Riggsby, 26G Gregory Burgard, 145A & 144A James Minton, 120F Jasmine Hamilton, 1A Anitra Bowling, 29A Julius Cole, 106 Mary Bowlin, 14C Erskin Glas, 6F Ke'Shawn Scott, 2T Christina Hicks, 20 Savannah Logan, 50B Frankie Drew, 44B Tashena Alderdice, 167C Kenneth Toby Spears

NOTICE
 New Cingular Wireless PCS, LLC, a Delaware limited liability company, d/b/a AT&T Mobility and Tillman Infrastructure LLC, a Delaware limited liability company have filed an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 230 State Route 381, Sedalia, KY 42079 (36° 38' 16.29" North latitude, 88° 36' 09.62" West longitude). You may contact the PSC for additional information concerning this matter at: Kentucky Public Service Commission, Executive Director, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2021-00416 in any correspondence sent in connection with this matter.

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NOTICE TO BIDDERS / INVITATION FOR BIDS
 Sealed bids will be received no later than 2:30 p.m. (local time), Tuesday, December 21st, 2021, and then publicly opened and read aloud in the Airport Conference Room, Barkley Regional Airport, 2901 Fisher Road, West Paducah, KY 42086 for furnishing all labor, materials, and equipment, and performing all work for the project entitled "FBO Facility Roof Improvements" located at the Barkley Regional Airport.
 For Bid Documents. Copies of the Contract Documents, including Project Drawings and Technical Specifications, are on file and may be inspected at the Airport Administration Office of the Barkley Regional Airport, 2901 Fisher Road, West Paducah, KY 42086. An electronic

JUMBLE THAT SCRAMBLED WORD GAME
 By David L. Hoyt and Jeff Knurek

Unscramble these Jumbles, one letter to each square, to form four ordinary words.

FOVRA
 SERTC
 MDOONI
 CDRUEE

Get the free JUST JUMBLE app - Follow us on Twitter @PlayJumble

THE CLOCKMAKER'S APPRENTICE WOULD LEARN TO BUILD QUALITY CLOCKS OVER THE ---

Now arrange the circled letters to form the surprise answer, as suggested by the above cartoon.

(Answers Monday)
 Yesterdays Jumbles: UNITY GRILL HEALTH SYSTEM
 Answer: They equaled 4+4 and needed a break. They hoped their vacation would be a nice — "HI-EIGHT-US"

SUDOKU
 Sudoku is a number-placing puzzle based on a 9x9 grid with several given numbers. The object is to place the numbers 1 to 9 in the empty squares so that each row, each column and each 3x3 box contains the same number only once. The difficulty level of the Concepts Sudoku increases from Monday to Sunday.

Concepts Sudoku By Dave Green

9		2						
		3		5				
	6	9	7		1			
2	9	1						
	5			4				
				6	9	2		
1			4	5	8			
	7			9				
			7					3

Difficulty Level ★★★★★ 11/27

Answer to previous puzzle

6	9	3	2	4	8	7	1	5
4	2	8	7	1	5	6	9	3
1	5	7	3	9	6	4	8	2
3	6	9	8	2	1	5	4	7
5	4	2	9	6	7	8	3	1
8	7	1	4	5	3	9	2	6
9	1	4	5	7	2	3	6	8
2	3	5	6	8	9	1	7	4
7	8	6	1	3	4	2	5	9

Difficulty Level ★★★★★ 11/28

YOU'LL JUMP FOR JOY OVER THESE USED CAR DEALS!