#### PROJECT SUMMARY

SITE NAME: UTILITY SERVICES HOLLY SPRINGS

SITE NUMBER: 5RA0965A

6908 COKESBURY RD SITE ADDRESS:

HOLLY SPRINGS, NC 27540

HARNETT COUNTY COUNTY:

STRUCTURE OWNER: HARNETT REGIONAL WATER

700 MCKINNEY PARKWAY LILLINGTON, NC 27546

STRUCTURE MANAGER: UTILITY SERVICE COMMUNICATIONS 535 GENERAL COURTNEY HODGES BLVD

PO BOX 1350

PERRY, GA 31069

SITE COORDINATES: 1A

LATITUDE: 35° 33' 51.699" N LONGITUDE 78° 52' 15.4986" W ELEVATION:

(NAD 83) (NAD 83) (NAVD 88)

OCCUPANCY: UNMANNED

CONSTRUCTION TYPE: COLOCATE

TELEPHONE COMPANY: TBD

POWER COMPANY: DUKE ENERGY PHONE: (800) 777-9898

HOLLY SPRINGS POLICE DEPARTMENT PHONE: (919) 552-7110

#### **APPROVALS**

SIGNATURE

DATE

LICENSOR'S PROJECT MANAGER:

POLICE DEPARTMENT:

LICENSEE PROJECT MANAGER:

**APPROVED** By David Everspaugh at 5:15 pm, Jan 26, 2022

#### STRUCTURAL REVIEW

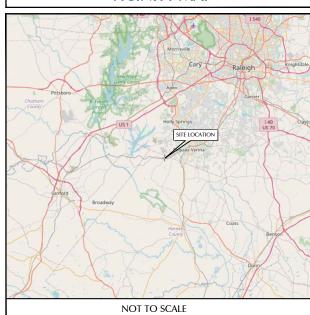
CONTRACTOR SHALL ATTAIN AND VERIFY STRUCTURAL EVALUATION REPORT OF EXISTING TOWER FOR EXACT PLACEMENT OF ANTENNAS AND COAX CABLES. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE STRUCTURAL EVALUATION REPORT AND NOTIFY SIGNAL POINT. CONSTRUCTION MANAGER IN THE CASE OF ANY DISCREPANCIES. ANY STRUCTURAL MODIFICATION, IF REQUIRED, SHALL BE DONE PRIOR TO THE INSTALLATION OF ANTENNAS.

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

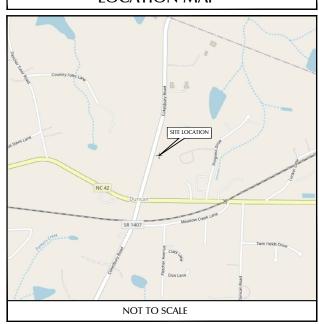
# T-Mobile-

SITE NUMBER: 5RA0965A SITE NAME: UTILITY SERVICES HOLLY SPRINGS 6908 COKESBURY RD **HOLLY SPRINGS, NC 27540** 

#### VICINITY MAP



#### **LOCATION MAP**



#### **DRIVING DIRECTIONS**

#### FROM CHARLOTTE, NC:

MERGE ONTO 1-77 N/US-21 N. USE THE RIGHT 2 LANES TO TAKE EXIT 13A TO MERGE ONTO 1-85 N TOWARD GREENSBORO. KEEP LEFT AT THE FORK TO STAY ON 1-85 N. TAKE EXIT 126A-126B TO MERGE ONTO US-421 S TOWARD SANFORD. KEEP LEFT TO STAY ON US-421 S. TAKE EXIT 148 FOR COLON RD. TURN RIGHT ONTO LOUN RD. TURN RIGHT ONTO RIDDLE RD. TURN RIGHT ONTO LOWER MONCURE RD. TURN LEFT ONTO LOCKEEK RD. TURN LEFT ONTO DESTINATION WILL BE ON THE RIGHT.

#### **PROJECT TEAM**

CARRIER: SURVEYOR: NAME: N/A NAME: T-MOBILE ADDRESS: T.B.D. CONTACT: T.B.D. ADDRESS: N/A CONTACT: N/A PHONE: N/A

A&E ENGINEER:

NAME: TELECAD WIRELESS SITE DESIGN ADDRESS: 1961 NORTHPOINT BLVD. SUITE 130 HIXSON, TN 37343 CONTACT: FLOYD WHITE PHONE: (615) 268-3557

GEOTECHNICAL/SOILS ENGINEERING:

ADDRESS: N/A CONTACT: N/A PHONE: N/A

#### **SHEET INDEX**

NO.	DESCRIPTION
T1	TITLE SHEET
T2	APPENDIX B - BUILDING CODE SUMMARY
GN1	GENERAL NOTES
C1	OVERALL SITE PLAN
C2	ENLARGED SITE PLAN
C3	EQUIPMENT PAD FOUNDATION DETAILS
СЗА	GENERATOR DETAILS
C4	STRUCTURE ELEVATION & ANTENNA PLAN
C4A	MOUNT DETAILS
C4B	MOUNT DETAILS
C4C	MOUNT DETAILS
C4D	MOUNT DETAILS
C5	SITE DETAILS
C6	CABINET DETAILS
C6A	CABINET DETAILS
C7	ICE BRIDGE & EQUIPMENT DETAILS
E1	OVERALL ELECTRICAL SITE PLAN
E1A	ENLARGED ELECTRICAL SITE PLAN
E2	EQUIPMENT GROUNDING PLAN
E3	ELECTRICAL SPECIFICATIONS NOTES
E4	ELECTRICAL DETAILS
E5	GROUNDING DETAILS
E6	ELECTRICAL DETAILS
E6A	ONE LINE DIAGRAM & PANEL SCHEDULE
E6B	EQUIPMENT H-FRAME RACK DETAIL
E7	GROUNDING SINGLE LINE

#### CODE COMPLIANCE

- 1. UNIFORM BUILDING CODE. 2. BUILDING OFFICIALS & CODE
- ADMINISTRATORS (BOCA)
- 3. UNIFORM MECHANICAL CODE 4. INTERNATIONAL BUILDING CODE
- 5. ANSI/EIA-222-G LIFE SAFETY CODE
- NFPA-101. 6. UNIFORM PLUMBING CODE. 7. NATIONAL ELECTRIC CODE.
- 8. LOCAL BUILDING CODE. 9. CITY/COUNTY ORDINANCES



## CALL 811 OR (800) 632-4949

CONTRACTOR TO CALL NORTH CAROLINA ONE-CALL SYSTEMS AT LEAST (2) WORKING DAYS PRIOR TO DIGGING.

#### SHEET SCALE FACTOR:

PLOT SIZE: 11"x17": "TO SCALE" 24"x36": 2X SCALE AS NOTED

## T··Mobile·

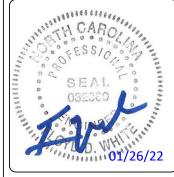


1961 NORTHPOINT BLVD, SUITE 130 HIXSON, TN 37343 PH: 423-843-9500 FAX: 423-843-9509

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

A&E PROJECT #:	N/A
DRAWN BY:	BNS
CHECKED BY:	DLS

#### **REVISIONS** 01/26/2022 CONSTRUCTION ISSUE © 01/18/2022 PRELIMINARY REVIEW 01/11/2022 PRELIMINARY REVIEW 01/07/2022 PRELIMINARY REVIEW 1/03/2022 PRELIMINARY REVIEW A 12/15/2021 PRELIMINARY REVIEW NO. DATE DESCRIPTION



PROJECT No

N/A

UTILITY SERVICES **HOLLY SPRINGS** 

SITE NUMBER 5RA0965A

SITE ADDRESS

6908 COKESBURY RD HOLLY SPRINGS, NC 27540

**COLOCATE** 

DESIGN TYPE

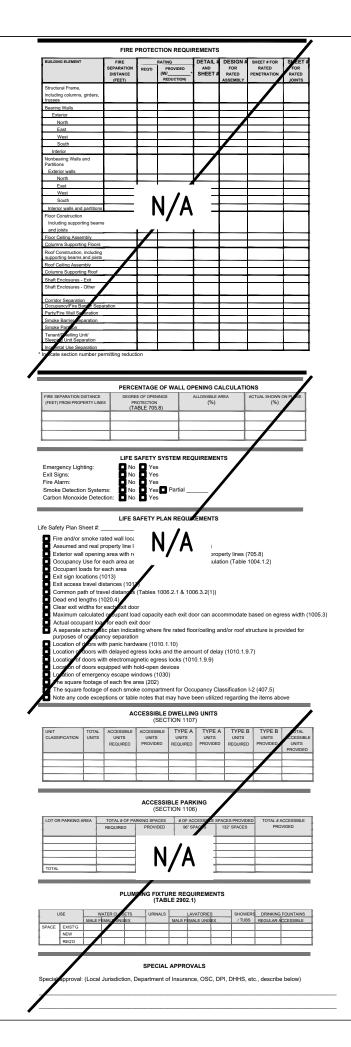
TITLE SHEET

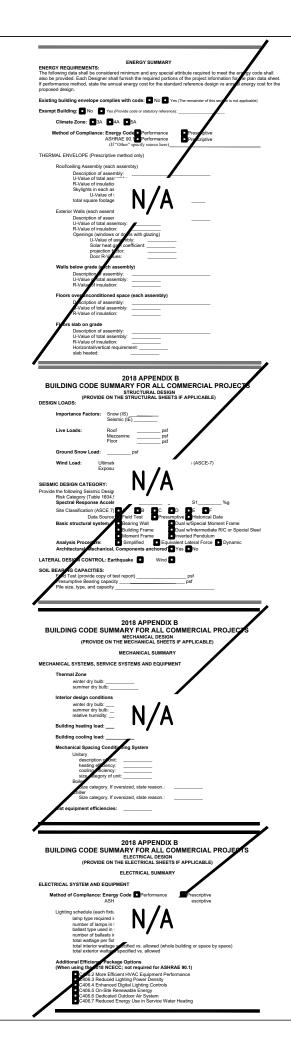
BUILDII	(EXCEPT 1 ANI (Reproduce	2-FAMILY DW the following da					
	ct: T-MOBILE						
Owner/Authori Owned By:		DAY Phone # City/County	(_423)_20	8 - 67 Pri	03 E-Ma vate	ail COREY.DAY@TEL	☐ State
	ment Jurisdiction:				unty <u>HARNE</u>	Π	_ State
CONTACT: S	TEVE CARPI	ENTER, P.I	E. (#0257: LICENS		TELEPHONI	= # E MAII	<u> </u>
Architectural Civil	TELECAD WIRE		PENTER 02572	25 (4		STEVE.CARPENTI	ER@TELECADENG
Electrical Fire Alarm Plumbing	TELECAD WIRE	LESS FLOYD WE	HITE 03290	60 (	15) 268-3557	FLOYD.WHITE@1	ELECADENG.COM
Mechanical Sprinkler-Stan Structural Retaining Wall	BY OTHERS				)		
Other	d include firms and in	ndividuals such a	s truss, preca	st, pre-er	j gineered, in	terior designers,	etc.)
2018 NC BUIL		st Time Interior C Shell/Core - Conta procedures and re Phased Construct	act the local in equirements tion - Shell/Co	re- Cont	jurisdiction t	for possible addit	
2018 NC EXIS	ETING BUILDING CO	ODE: EXISTING: Alteration	Prescri	iptive [	Repair [	☐ Chapter 14 ☐ Level III ☐ Change of Use	е
RENOVA	JCTED: (date) <b>TED:</b> (date) DRY (Table 1604.5):	PRO	POSED OCC	PANCY(	S) (Ch. 3): <u>s</u> '(S) (Ch. 3):	-2 LOW	
	(	Propose			□ïv		
BASIC BUILD Construction (check all that Sprinklers: Standpipes: Fire District: Special Inspe	Type: I-A	ass ☐I ☐ Flood Haz o## ☐ Yes (Co	ard Area:	□NFPA □Wet   ■No   al inspect	□Dry □Yes ion jurisdictio	V-A V-B FPA 13D	
		pro	ocedures and	requirem	ents.)		_/
2018 NC Adminis	strative Code and Polici	es			Revise	d 6/15/2020	
FLOOR 3rd Floor	EXISTING (SC		ilding Area T NEW (SQ FT)	able		SUB-OTAL	
2nd Floor Mezzanine	-	-					
1st Floor Basement							
	upancy Classificati	on(s):	N / A	= \			
Primary Occu Assembly Business Education Factory Hazardou Institution  Mercantile Residentis Storage Utility and Accessory Incidental Ass Special Vises Special Vises Special Vises Special Vises Special Vises Special Vises	A-1 A-2  A-1 A-2  A-1 A-2  A-1 A-2  B-1 Moderate  B-1 Condition  I-2 Condition  I-3 Condition  I-3 Condition  I-4  B-2  B-4  B-7  B-7  B-7  B-7  B-7  B-7  B-7	F-2 Low H-2 Def year H-2 Def ye	High-piled closed Replantions: aration: irred type of code height and as to the entire n, so determinate area calculation area for each of the ration area for each of the	st H 5  d 5  d aair Gara  Hr. E 5  building led, shall ions for e 6  tios of th use sl	ge  Exception: In for the blu Itions for ea The most r apply to the ach story, the actual floo allall not exce	iliding shall be de ho of the applica setricitive type of entire building entire building area of the coo area of pich us	cupancy shall e divided by
Primary Occi Assembly Business Education Factory Hazardou Institution  Mercantiti Storage Utility and Accessory Incidental Prov Incidental Pro	A-1 A-2  A-1 A-2  A-1 A-2  A-2  A-1 A-2  A-2  A-3  A-1 A-2  A-3  A-1 A-2  A-3  A-1 A-2  A-3  A-4  A-1 A-2  A-3  A-4  A-4  A-4  A-7  A-7  A-7  A-7  A-7	R-3 R-4 S-2 Low R-3 R-4 S-2 Low R-3 S-2 Low S-2 Low S-2 Low S-2 Low S-2 Low S-2 Low S-3 R-4 S-4 S-4 S-4 S-4 S-4 S-4 S-4 S-4 S-4 S	e 3 Combu	st H 5  d 5  d aair Gara  Hr. E 5  building led, shall ions for e 6  tios of th use sl	ge  Exception: In for the bustions for ea The most in apply to the ach story, the ach story, the Second actual floor Second all not exce  1 by B	iliding shall be de hot of the applica setticities type of entire building. he area of the oo. area of such us ed 1.	cupancy shall e divided by
Primary Occu Assembly Business Education Factory Hazardou Institution  Mercantile Residentis Storage Utility and Accessory Incidental Ass Special Vises Special Vises Special Vises Special Vises Special Vises Special Vises	A-1 A-2  A-1 A-2  A-1 A-2  A-1 A-2  A-1 A-2  B-1 A-1 Condition  I-2 Condition  I-3 Condition  I-3 Condition  I-3 Condition  I-3 Condition  I-4  A-1 A-2  B-1 A-2  B-2  B-2  B-2  B-3  B-3  B-3  B-4  B-4  B-4  B-4  B-4	F-2 Low H-2 Def year H-2 Def ye	e 3 Combu	Hr. E do de	ge  Exception: In for the blu Itions for ea The most r apply to the ach story, the actual floo allall not exce	ilding shall be de hof the applica chort of the applica setticities type of entire building of entire buildi	cupancy shall e divided by
Primary Occi Assembly Business Education Factory Hazardou Institution  Mercantile Residentis Storage Utility and Accessory O Incidental Ass Special Prov Ince Occup Incidental Ass Special Prov Incidental Pro	A-1 A-2  A-1 A-2  A-1 A-2  A-1 A-2  A-2  A-1 A-1 A-2  A-2  A-3  A-1 A-2  A-3  A-1 A-3  A-2  A-3  A-1 A-3  A-2  A-3  A-3  A-3  A-3  A-3  A-3	R-3 R-4 S-2 Low H-2 Defly first 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	e 3 Combu    3	Hr. E do de	ge  cxception:  In for the bustions for ea.  The most riapply to the ach story, it is actual floo aliall not except  \$\leq 1\$  YB  (C)  OR FRONTAGE	iliding shall be de hof the applicace sesticitive type of entire building of entire building of the control of	cupancy shall e divided by
Primary Occi Assembly Business Education Factory Hazardou Institution  Mercantilit Storage  Utility and Accessory Incidental Storage  Inci	A-1 A-2  A-1 A-2  A-1 A-2  A-1 A-2  A-2  A-1 A-1 A-2  A-2  A-3  A-1 A-2  A-3  A-1 A-3  A-1 A-3  A-1 A-3  A-1 A-3  A-1 A-3  A-2  A-3  A-1 A-3  A-2  A-3  A-3  A-3  A-3  A-1 A-3  A-3  A-3  A-3  A-3  A-3  A-3  A-3	F-2 Low H-2 Dely grat H-2 Dely	e 3 Combu    3	ast Haring State of the State o	ge  Exception:  In for the builtions for ea The most rapply to the actual floo and story, the actual floo and story, the CONFRONTAGE REASE1.5  (C) (C) (C) (C) (C) (C) (C) (C) (C) (C	iliding shall be de hof the applicace sesticitive type of entire building of entire building of the control of	cupancy shall be divided by

eight in Feet (Table 504.3) 2

Height in Stories (Table 504.4) 3

e code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4. naximum height of air traffic control towers must comply with Table 412.3.1. naximum height of open parking garages must comply with Table 406.5.4.





T··Mobile·



1961 NORTHPOINT BLVD, SUITE 130 HIXSON, TN 37343 PH: 423-843-9500 FAX: 423-843-9509

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

A&E PROJECT #:	N/A
DRAWN BY:	BNS
CHECKED BY:	DLS

REVISIONS				
◬	01/26/2022	CONSTRUCTION ISSUE		
Æ	01/18/2022	PRELIMINARY REVIEW		
⚠	01/11/2022	PRELIMINARY REVIEW		
◬	01/07/2022	PRELIMINARY REVIEW		
A	01/03/2022	PRELIMINARY REVIEW		
$\triangle$	12/15/2021	PRELIMINARY REVIEW		
NO.	DATE	DESCRIPTION		



PROJECT No.

N/A

SITE NAME:

UTILITY SERVICES HOLLY SPRINGS

SITE NUMBER:

5RA0965A

SITE ADDRESS:

6908 COKESBURY RD HOLLY SPRINGS, NC 27540

DESIGN TYPE:

COLOCATE

HEET TITLE:

APPENDIX B - BUILDING CODE SUMMARY

DRAWING NO.

T2

#### **GENERAL NOTES**

- 1. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL APPLICABLE PERMITTING AUTHORITIES.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND THE CODES, REGULATIONS, AND STANDARDS OF ALL APPLICABLE GOVERNING AUTHORITIES.
- 3. THE GENERAL CONTRACTOR SHALL VERIFY THAT ALL EXISTING TOPOGRAPHY AND HORIZONTAL GEOMETRY IS AS INDICATED ON THESE DRAWINGS. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE OR REPAIR TO THESE FACILITIES CAUSED BY THE CONTRACTOR'S WORK FORCE. IMMEDIATELY NOTIFY THE LESSEE'S CONSTRUCTION MANAGER OF ANY DISCREPANCIES OR INTERFERENCE WHICH AFFECT THE WORK OF THIS CONTRACT.
- 4. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AT ALL TIMES. DO NOT ALLOW WATER TO STAND OR POND. ANY DAMAGE TO STRUCTURES OR WORK ON THE SITE CAUSED BY INADEQUATE MAINTENANCE OF DRAINAGE PROVISIONS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND ANY COST ASSOCIATED WITH REPAIRS FOR SUCH DAMAGE WILL BE AT THE CONTRACTOR'S EXPENSE.
- 5. ALL WASTE MATERIAL SHALL BE PROPERLY DISPOSED OF OFF-SITE OR AS DIRECTED BY THE LESSEE'S CONSTRUCTION MANAGER AND IN ACCORDANCE WITH JURISDICTIONAL AUTHORITIES.
- 6. ANY PROPERTY DAMAGE CAUSED BY THE CONTRACTOR OR HIS OPERATIONS SHALL BE CORRECTED AND/OR RESTORED TO THE SATISFACTION OF THE PROPERTY OWNER(S) AND THE LESSEE'S CONSTRUCTION MANAGER AT NO ADDITIONAL COST TO THE OWNER.
- 7. CONTRACTOR SHALL MAINTAIN 20' HORIZONTAL CLEARANCE FROM CENTERLINE OF EXISTING POWER LINES OR AS REQUESTED BY THE POWER COMPANY.
- 8. NOTIFY THE LESSEE'S REPRESENTATIVES TWENTY-FOUR HOURS PRIOR TO CONSTRUCTION TO ALLOW THE LESSEE'S REPRESENTATIVES TO LOOK AT THE SITE PRIOR TO EXCAVATION.
- 9. THE CONTRACTOR SHALL INCLUDE ALL WORK REQUIRED TO CO-LOCATE ON THE EXISTING TOWER INCLUDING ALL NECESSARY SITE IMPROVEMENTS, FOUNDATIONS, ELECTRICAL IMPROVEMENTS, SNAP INS, H-FRAME, AND OTHER ACCESSORIES FOR COMPLETE INSTALLATION.
- 10. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF THE FOLLOWING EQUIPMENT THAT WILL BE SUPPLIED BY THE LESSEE: ANTENNAS, COAX CABLES, ICE BRIDGE, WAVEGUIDE LADDER, METER, AND EQUIPMENT CABINETS/SHELTER. THE EQUIPMENT CABINETS/SHELTER SHALL BE TRANSPORTED TO THE SITE BY THE CONTRACTOR.
- 11. ALL CONCRETE SHALL BE NORMAL WEIGHT AND SHALL CONFORM TO THE ACI 301 AND THE FOLLOWING:
  - -MINIMUM COMPRESSION STRENGTH 3,000 PSI
  - -AIR ENTRAPMENT RANGE 3% TO 6%
  - -SLUMP GREATER THAN 3", BUT NOT TO EXCEED 6".
- 12. CONTRACTOR TO NOTIFY THE LESSEE'S TESTING REPRESENTATIVE FORTY-EIGHT HOURS BEFORE CONCRETE POURS.

13. CONTRACTOR TO PROVIDE RED LINE CONSTRUCTION DRAWINGS TO TOWER OWNER AND LESSEE AT COMPLETION OF JOB.

#### **UTILITY NOTES**

- 1. APPLY FOR THE UTILITY SERVICE (ELECTRIC) NO LATER THAN THE NEXT BUSINESS DAY FOLLOWING AWARD OF CONTRACT. COORDINATE WITH THE ELECTRIC UTILITY COMPANY FOR EXACT TRANSFORMER LOCATION, METERING REQUIREMENTS, AND SERVICE ROUTING. COORDINATE WITH THE TELEPHONE UTILITY COMPANY FOR EXACT TELEPHONE REQUIREMENTS AND ROUTING OF SERVICE.
- 2. ALL UTILITY RELATED WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE UTILITY REQUIREMENTS. FIELD VERIFY EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
- 3. THE CONTRACTOR SHALL CONTACT UTILITIES AND LOCATOR SERVICE A MINIMUM OF 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- 4. CONTRACTOR SHALL PROVIDE TRENCHING AND CONDUITS AS SHOWN OR AS REQUIRED BY LOCAL UTILITY.
- 5. NO PENETRATIONS TO THE TOWER FOUNDATION OF ANY KIND.

#### LEGEND

<b>EXISTING</b>		NEW
х 100.5	SPOT ELEVATION	712.9
95	CONTOUR LINE	98
——	STORM DRAIN	sp
<b>==</b>	CATCH BASIN	
R\W	RIGHT OF WAY	
•	IRON PIN SET (IPS) 5/8" REBAR	
•	IRON PIN FOUND (IPF)	
•	BENCHMARK	
	CONCRETE MON. FOUND	
	CONCRETE MON. SET	
©	CENTERLINE	
——— ОНТ ———	OVERHEAD TELEPHONE	
UGT	UNDERGROUND TELEPHONE	
OHP	OVERHEAD POWER	
———— UGP ————	UNDERGROUND POWER	
Ø	UTILITY POLE	
•	LIGHT POLE	
——— w ———	WATER LINE	
$\bowtie$	WATER VALVE	
UGG	NATURAL GAS LINE	
G ⋈	GAS VALVE	
st	SANITARY SEWER	NOTE: THIS IS A GENERAL LEGEND.
M	MANHOLE	SOME ITEMS MAY NOT APPLY TO THIS SITE.

T··Mobile·



1961 NORTHPOINT BLVD, SUITE 130 HIXSON, TN 37343 PH: 423-843-9500 FAX: 423-843-9509

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

A&E PROJECT #:	N/A
DRAWN BY:	BNS
CHECKED BY:	DLS

	REVISIONS				
	◬	01/26/2022	CONSTRUCTION ISSUE		
	Æ	01/18/2022	PRELIMINARY REVIEW		
	◬	01/11/2022	PRELIMINARY REVIEW		
	◬	01/07/2022	PRELIMINARY REVIEW		
l	A	01/03/2022	PRELIMINARY REVIEW		
l	$\triangle$	12/15/2021	PRELIMINARY REVIEW		
l	NO.	DATE	DESCRIPTION		



PROJECT	No.
	N/A
SITE NAME	<b>:</b>
U	TILITY SERVICES
ŀ	HOLLY SPRINGS
SITE NUME	BER:
	5RA0965A
SITE ADDF	RESS:
69	08 COKESBURY RD
HOLL	Y SPRINGS, NC 27540
DESIGN TY	·· =·
	COLOCATE

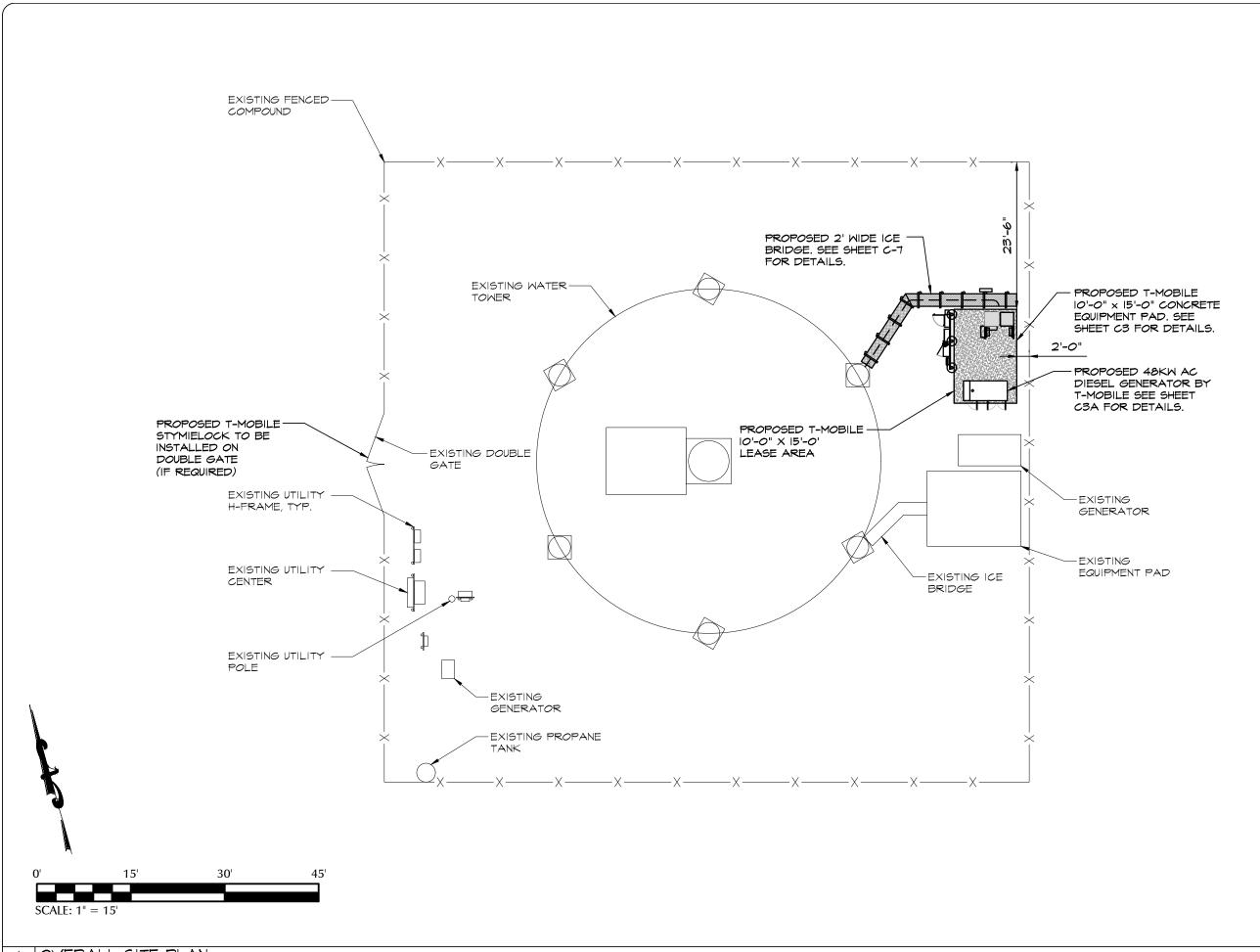
SHEET TITLE:

GENERAL

NOTES

GN1

NO. REVISION:



T··Mobile·



1961 NORTHPOINT BLVD, SUITE 130 HIXSON, TN 37343 PH: 423-843-9500 FAX: 423-843-9509

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

A&E PROJECT #:	N/A
DRAWN BY:	BNS
CHECKED BY:	DLS

	REVISIONS				
l					
l	◬	01/26/2022	CONSTRUCTION ISSUE		
	Æ	01/18/2022	PRELIMINARY REVIEW		
l	⚠	01/11/2022	PRELIMINARY REVIEW		
l	◬	01/07/2022	PRELIMINARY REVIEW		
l	A	01/03/2022	PRELIMINARY REVIEW		
l	$\triangle$	12/15/2021	PRELIMINARY REVIEW		
l	NO.	DATE	DESCRIPTION		



PROJECT No.

SITE NAME:

UTILITY SERVICES HOLLY SPRINGS

N/A

SITE NUMBER:

5RA0965A

SITE ADDRESS:

6908 COKESBURY RD HOLLY SPRINGS, NC 27540

DESIGN TYPE:

COLOCATE

SHEET TITLE:

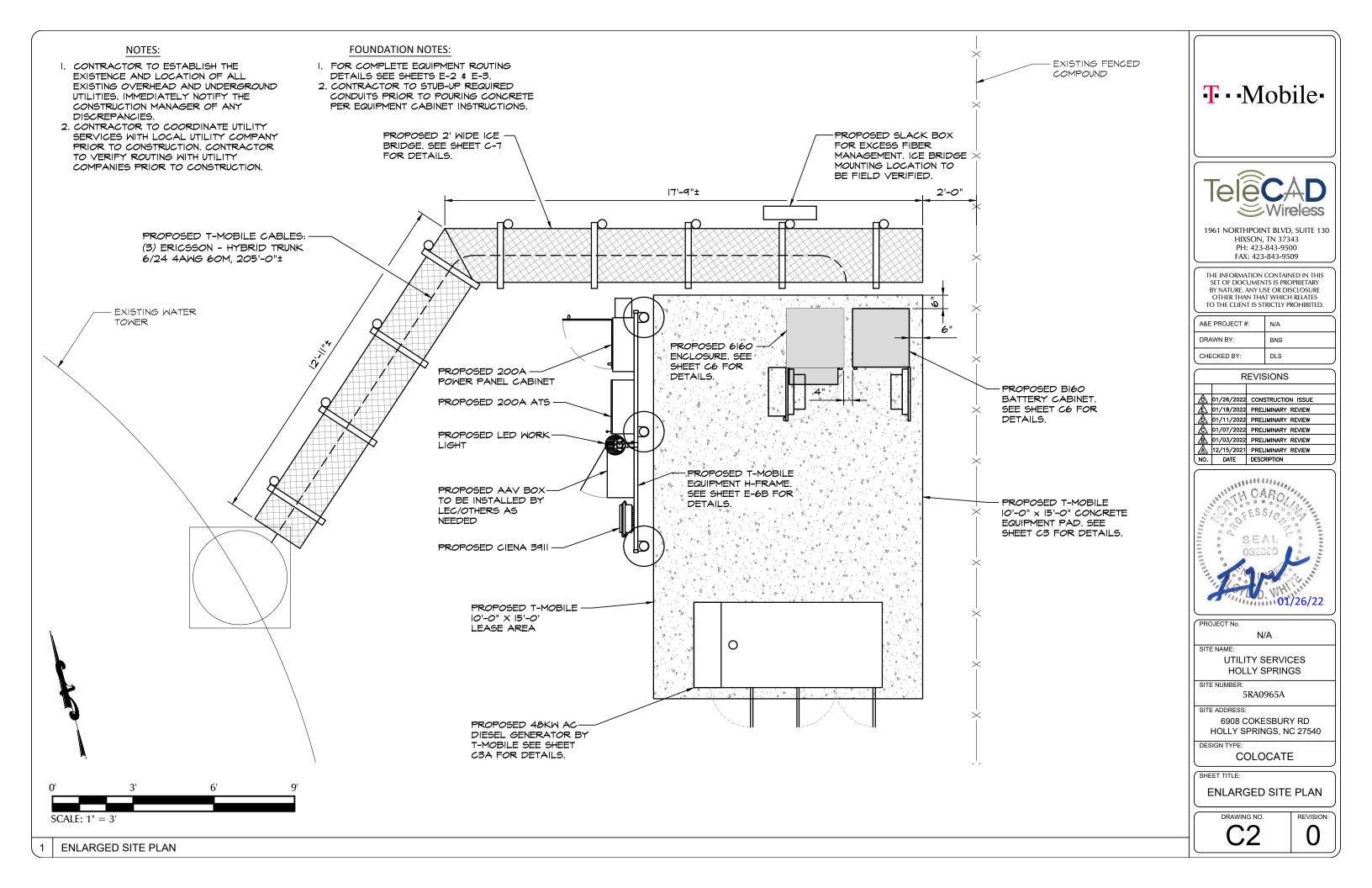
OVERALL SITE PLAN

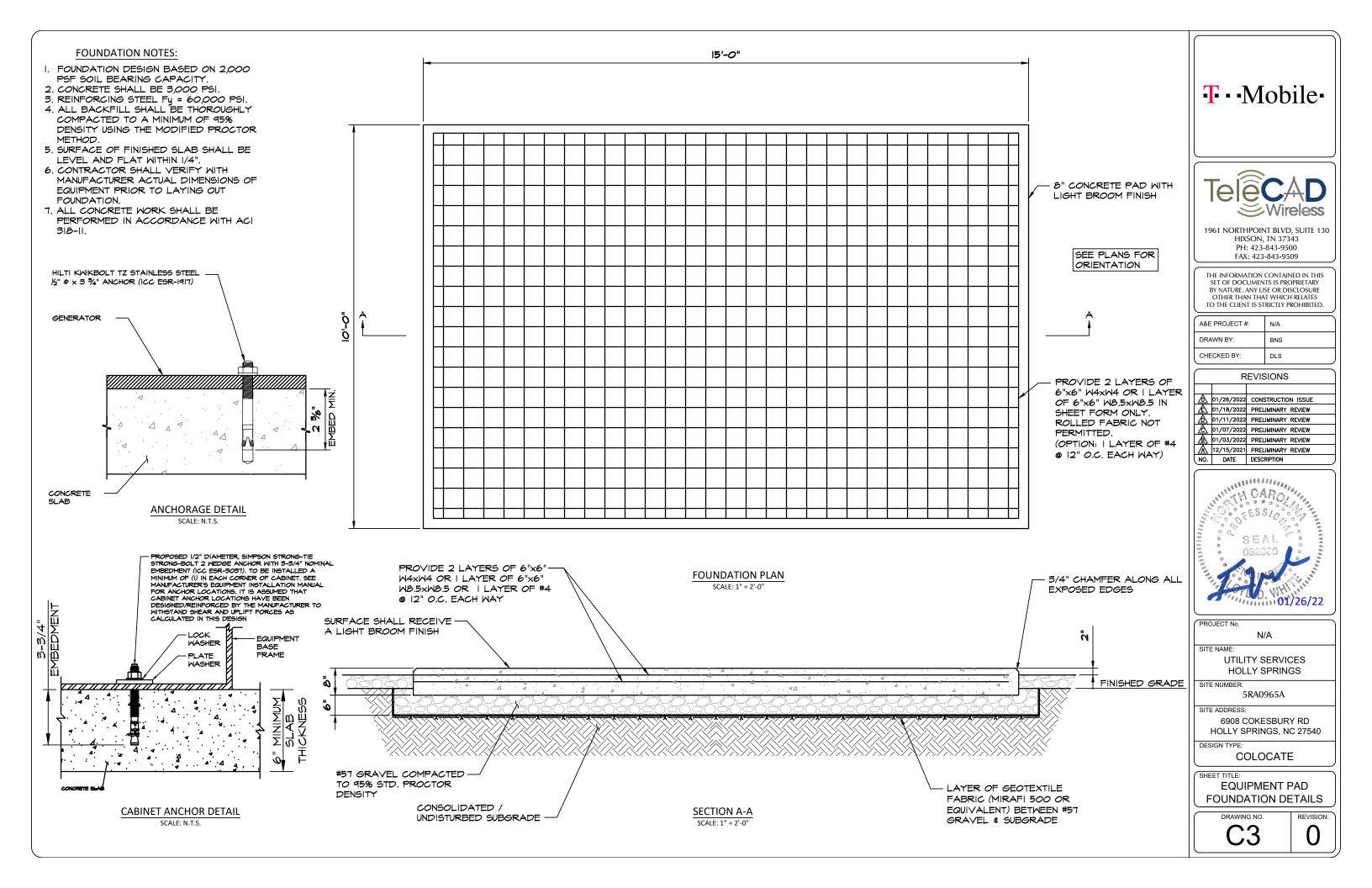
DRAWING NO.

T 1

REVISION:

OVERALL SITE PLAN





GENERAC INDUSTRIAL

EPA Certified Stationary Emergency

#### **Standard Features**

#### **ENGINE SYSTEM**

- Cold Weather Kit
- Oil Drain Extension
- Fan Guard
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil & Coolant

#### Fuel System

Primary Fuel Filter

#### **Cooling System**

- Closed Coolant Recovery System
- Factory-Installed Radiator
- 50/50 Ethylene Glycol Antifreeze
- Radiator Drain Extension
- Can Operate at up to 122°F (50°C) Ambient

#### **Electrical System**

- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Solenoid Activated Starter Motor
- Smart Battery Charger

#### ALTERNATOR SYSTEM

- Class H Insulation Material
- 2/3 Pitch
- Skewed Stator Sealed Bearings
- Low Temperature Rise (<120°C)</li>
- Low THD (<5%)

#### **GENERATOR SET**

- Sound Attenuated Aluminum Enclosure
- Internal Genset Vibration Isolation
- Separation of Circuits High/Low Voltage
- Wrapped Exhaust Piping Standard Factory Testing
- 5 Year Limited Warranty
- Ready to Accept Full Load in <10 Seconds</li>
- E-Stop

#### TANKS

- 48 Hour Run Time Tank
- UL 142 Listed Tank

#### CONTROL SYSTEM

Temperature



- Two-Line Plain Text LCD Display
- Programmable Start Delay Between 10-30
   Safety Fused

- 1 minute Engine Cool-Down
- Smart Battery Charger
- Under Protection
- High Temperature Shutdown

- 10 second Engine Start Sequence
- 5 second Engine Warm Up
- Starter Lock-Out
- Automatic Voltage Regulation with Over and
- · Automatic Low Oil Pressure Shutdown
- Overspeed Shutdown

- Overcrank Protection
- · Failure to Transfer Protection
- · Low Battery Protection
- 50 Even Run Log
- Future Set Capable Exerciser

· Common External Fault Capability

- Incorrect Wiring Protection
- Internal Fault Protection
- Governor Failure Protection

#### **Optional Shipped Loose and Field Install Kits**

#### GENERATOR SET

Paint Kit

General

O Scheduled Maintance Kit

#### CONTROL SYSTEM

- Mobile Link <sup>™</sup> and Adapter Kit
- TANKS O Spill Box
- 90% Fuel AlarmTank Risers
- Spill Box Drainback Kit
   Vent Extension Support Kit
- 5 Day Run Time Tank
   Overfill Prevention Valve
- Fuel Fill Drop Tube
   Lockable Fuel Cap

### **APPLICATION AND ENGINEERING DATA**

#### **ENGINE SPECIFICATIONS**

Make	Generac	
Cylinder #	4	
Туре	In-Line	
Displacement - in <sup>3</sup> (L)	3.4 (207.48)	
Bore - in (mm)	3.86 (98)	
Stroke - in (mm)	4.45 (113)	
Compression Ratio	18.5:1	
Intake Air Method	Turbocharged/Aftercooled	

Cast Iron OHV

#### **Engine Governing**

Cylinder Head

Piston Type

Governor	Electronic
Frequency Regulation (Steady State)	±0.25%

#### Lubrication System

Oil Pump Type	Gear
Oil Filter Type	Full Flow Spin-On Canister
Crankcase Capacity with Filters- ot (L)	7.4 (7.0)

#### Cooling System

Cooling System Type	Closed Recovery
Fan Type	Pusher
Fan Speed- rpm	2,029
Fan Diameter - in (mm)	22 (559)

#### Fuel System

Fuel Type	Ultra Low Sulfur Diesel Fuel
Fuel Specification	ASTM
Fuel Pump Type	Mechanical Engine Driven Gear
Injector Type	Mechanical
Fuel Supply Lin (mm/in)	7.94/0.31 (ID)
Fuel Return Line (mm/in)	7.94/0.31 (ID)
Eugl Eltoring (migrong)	26

#### Engine Electrical System

System Voltage	12 VDC	
Battery Charger Alternator	Standard	
Battery Size	Group 27F	
Battery Voltage	12 VDC	
Ground Polarity	Negative	

#### **ALTERNATOR SPECIFICATIONS**

Standard Model	Generac	Standard Excitation	Direct
Poles	4	Bearings	Single Sealed
Field Type	Rotating	Coupling	Flexible Disc
Insulation Class - Rotor	Н	Prototype Short Circuit Test	Yes
Insulation Class - Stator	Н	Voltage Regulator Type	Full Digital
Total Harmonic Distortion	<5%	Number of Sensed Phases	2
Telephone Interference Easter (TIE)	~60	Regulation Accuracy (Steady State)	+1.0%

#### **OPERATING DATA**

#### **POWER RATINGS**

Standby

Single-Phase 120/480 VAC @0.1pf

48 kW

Amps: 200

#### **MOTOR STARTING CAPABILITIES (sKVA)**

sKVA vs. Voltage Dip at 30%

120/240 V	Single-Phase	at 0.4nf	189

#### **FUEL CONSUMPTION RATES\***

Percent Load	Diesel gal/hr (L/hr)
25%	1.35 (5.11)
50%	2.15 (8.14)
75%	3.06 (11.58)
100%	3.98 (15.07)

<sup>\*</sup> Fuel supply installation must accommodate fuel consumption rates at 100% load.

#### COOLING

		Standby
Air Flow (Radiator and Alternator)	ft³/min (m³/min)	2824 (80)
Coolant System Capacity	gal (L)	2.8 (10.6)
Heat Rejection to Coolant	BTU/hr (MJ/hr)	135,900 (143.4)
Temperature Deration	3% for every 5°C above 25°C or 1.79	6 for every 5°F over 77°F
Altitude Deration	1% for every 100 m above 915 or 3% for e	ery 1000 ft over 3000 ft
Maximum Radiator Racknessure	in H <sub>=</sub> O (kPa)	0.50 (0.12)

#### COMBUSTION AIR REQUIREMENTS

	Standby
Flow at Rated Dower ft3/min (m3/min)	190 (5.38)

ENGINE		EXHAUST				
			Standby			Standby
	Rated Engine Speed	rpm	1,800	Exhaust Flow (Rated Output)	ft³/min (m³/min)	448 (12.7)
	Horsepower at rated kW	HP	85	Exhaust Temp (Rated Output - Post Silencer)	°F (°C)	1120 (604.4)

Deration — Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions.

Please consult a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528 and DIN6271 standards. Standby - See Bulletin 0187500SSB

## T··Mobile·



1961 NORTHPOINT BLVD, SUITE 130 HIXSON, TN 37343 PH: 423-843-9500 FAX: 423-843-9509

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

	A&E PROJECT #:	N/A
	DRAWN BY:	BNS
	CHECKED BY:	DLS
1		

	REVISIONS					
	$\triangle$	01/26/2022	CONSTRUCTION ISSUE			
	Æ	01/18/2022	PRELIMINARY REVIEW			
	$\triangle$	01/11/2022	PRELIMINARY REVIEW			
	$\triangle$	01/07/2022	PRELIMINARY REVIEW			
	A	01/03/2022	PRELIMINARY REVIEW			
	$\mathbb{A}$	12/15/2021	PRELIMINARY REVIEW			
	NO.	DATE	DESCRIPTION			



N/A				
SITE NAME:				
UTILITY SERVICES				
HOLLY SPRINGS				

PROJECT No.

SITE ADDRESS:

SITE NUMBER: 5RA0965A

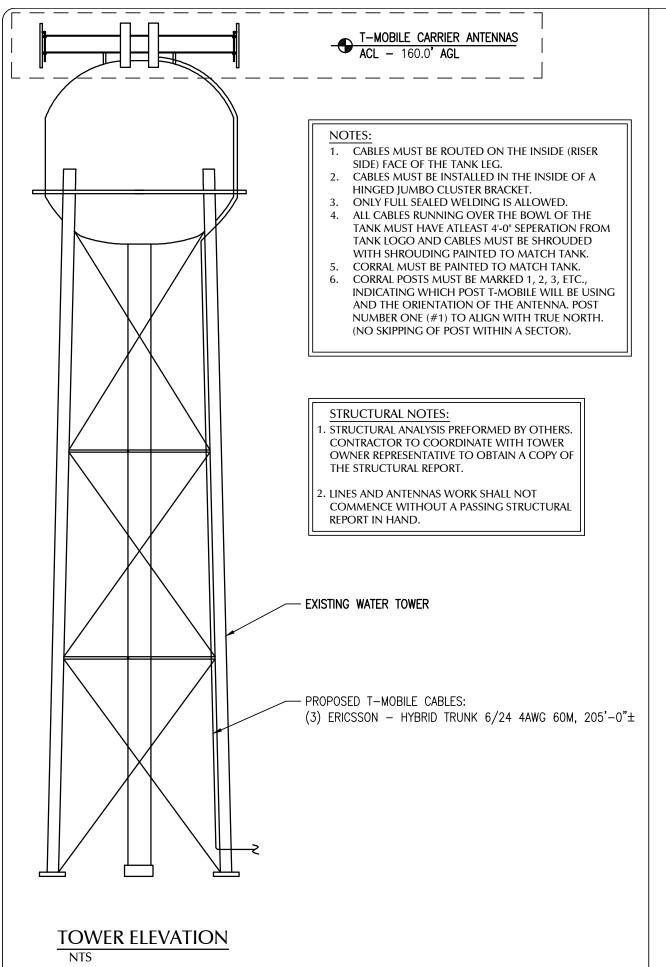
HOLLY SPRINGS, NC 27540 DESIGN TYPE:

COLOCATE SHEET TITLE:

6908 COKESBURY RD

**GENERATOR DETAILS** 





#### ANTENNA EQUIPMENT SCHEDULE

SECTOR	ANTE POSI	NNA TION	ANTENNA	AZIMUTH	RAD CENTER	ANTENNA MODEL NUMBER	QUANTITY
	RFDS	POST	TYPE				
ALPHA	A-1	P2	L600 N600	60°	160'	RFS - APXVALL24_43-U-NA20	1
ALPHA	A-2	Р3	L2100 L1900,G1900	60°	160'	RFS - APXVLL19P_43-C-A20	1
BETA	B-1	P8	L600 N600	180°	160'	RFS - APXVALL24_43-U-NA20	1
BETA	B-2	P10	L2100 L1900,G1900	180°	160'	RFS - APXVLL19P_43-C-A20	1
GAMMA	C-1	P16	L600 N600	300°	160'	RFS - APXVALL24_43-U-NA20	1
GAMMA	C-2	P17	L2100 L1900,G1900	300°	160'	RFS - APXVLL19P_43-C-A20	1

		REMOTE RADIO UN	DC CABLES			
ANTENNA POSITION RFDS POST		RRUS MAKE AND MODEL	RRUS	LENGTH	AWG	COUNT
		COUNT				
A-1 P2 A-2 P3		ERICSSON 4480 B71+B85	1	205'	4AWG	1
		ERICSSON 4460 B25+B66	1	205	4AWG	1
B-1	Р8	ERICSSON 4480 B71+B85	1	205'	4AWG	1
B-2	P10	ERICSSON 4460 B25+B66	1	205	4AWG	1
C-1 P16 C-2 P17		ERICSSON 4480 B71+B85	1	2051	4AWG	1
		ERICSSON 4460 B25+B66	1	205'	4AWG	1

T··Mobile·



1961 NORTHPOINT BLVD, SUITE 130 HIXSON, TN 37343 PH: 423-843-9500 FAX: 423-843-9509

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

A&E PROJECT #:	N/A
DRAWN BY:	BNS
CHECKED BY:	DLS

l		R	EVISIONS
l			
l	◬	01/26/2022	CONSTRUCTION ISSUE
l	Æ	01/18/2022	PRELIMINARY REVIEW
l	◬	01/11/2022	PRELIMINARY REVIEW
l	◬	01/07/2022	PRELIMINARY REVIEW
l	Æ	01/03/2022	PRELIMINARY REVIEW
l	$\mathbb{A}$	12/15/2021	PRELIMINARY REVIEW
ı	NO.	DATE	DESCRIPTION



01/26/22
PROJECT No.
N/A
SITE NAME:
UTILITY SERVICES
HOLLY SPRINGS
SITE NUMBER:

5RA0965A

SITE ADDRESS:

6908 COKESBURY RD HOLLY SPRINGS, NC 27540

DESIGN TYPE:

COLOCATE

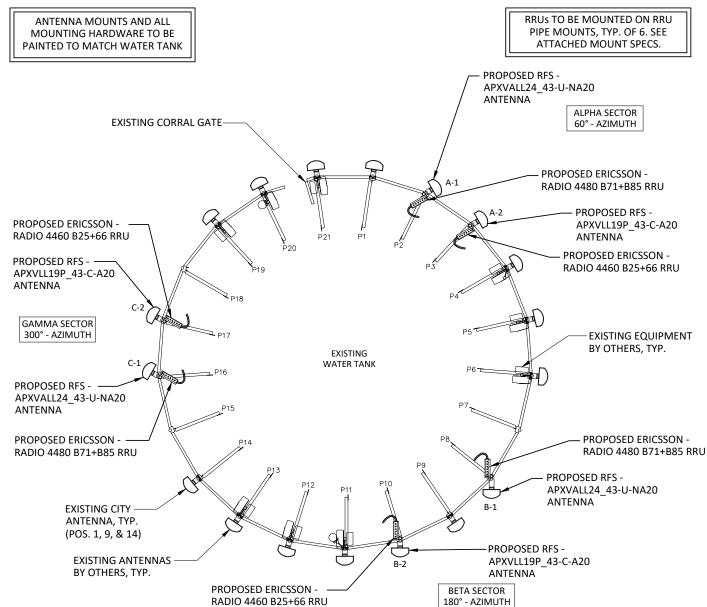
SHEET TITLE:

SCALE: N.T.S.

STRUCTURE ELEVATION & ANTENNA PLAN

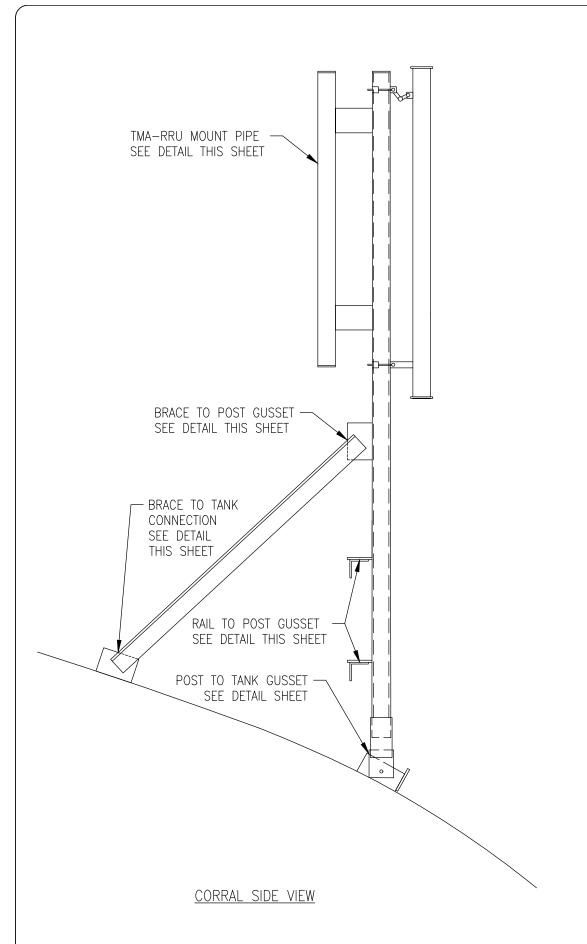
C4

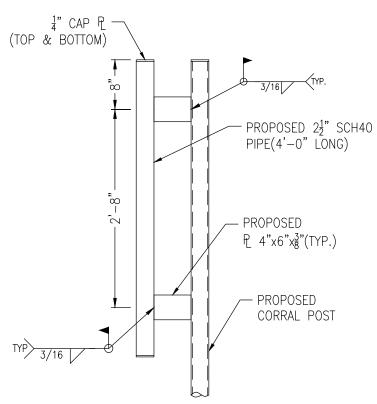
1 0



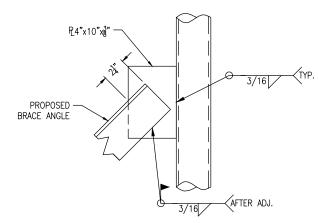
PROPOSED ANTENNA LAYOUT

NOT TO SCALE

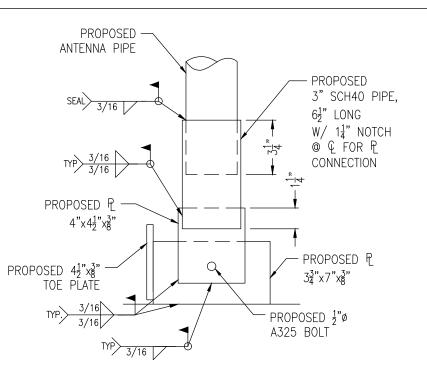




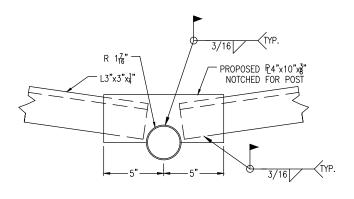
TMA/RRU MOUNTING DETAIL



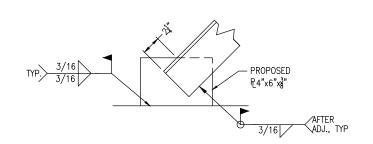
BRACE TO POST GUSSET



POST TO TANK GUSSET



RAIL TO POST GUSSET



BRACE TO TANK CONNECTION

T · · Mobile ·



1961 NORTHPOINT BLVD, SUITE 130 HIXSON, TN 37343 PH: 423-843-9500 FAX: 423-843-9509

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

A&E PROJECT #:	N/A
DRAWN BY:	BNS
CHECKED BY:	DLS

	REVISIONS				
	$\triangle$	01/26/2022	CONSTRUCTION ISSUE		
	Æ	01/18/2022	PRELIMINARY REVIEW		
	$\Phi$	01/11/2022	PRELIMINARY REVIEW		
	$\triangle$	01/07/2022	PRELIMINARY REVIEW		
	A	01/03/2022	PRELIMINARY REVIEW		
	$\mathbb{A}$	12/15/2021	PRELIMINARY REVIEW		
	NO.	DATE	DESCRIPTION		



IECT No.	
	N/A

SITE NAME

UTILITY SERVICES HOLLY SPRINGS

SITE NUMBER: 5RA0965A

510 10 50 57 1

SITE ADDRESS:

6908 COKESBURY RD HOLLY SPRINGS, NC 27540

DESIGN TYPE:

COLOCATE

SHEET TITLE:

MOUNT DETAILS

C4A

0

REVISION:

MOUNTING DETAILS

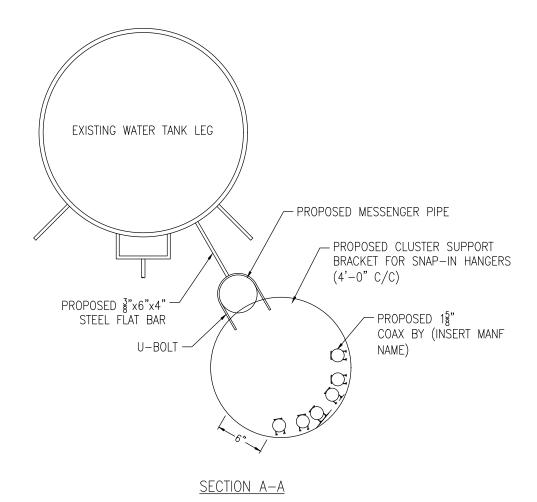
SCALE: N.T.S.

# PROPOSED 3"x6"x4" STEEL FLAT BAR B/PIPE ₩ PROPOSED HOISTING SUPPORT BRACKET (LOCATED ONLY AT TOP OF MESSENGER PIPE NEAR CATWALK) EXISTING TANK LEG PROPOSED CLUSTER SUPPORT BRACKET (TYP.) PROPOSED 2 3 x 20' LONG -MESSENGER PIPE (TYPICAL.) .... 2'-3" (TYP.) B/PIPE PROPOSED MESSENGER PIPE THREADED COUPLING (TYPICAL.)

#### COAX CABLE TANK LEG SUPPORT ELEVATION

#### NOTES:

- 1. CLUSTER MOUNT TO BE ATTACHED TO INSIDE OF WATER TANK LEG, SEE DETAIL ON THIS SHEET. THE INSIDE FACE OF THE LEG BEING MORE PARTICULARLY DEFINED AS THE EXTERIOR PORTION OF THE CROSS-SECTION OF THE LEG THAT FACES TOWARDS THE CENTER OF THE TANK AND EXTENDS FROM HORIZONTAL STRUT CONNECTION TO HORIZONTAL STRUT CONNECTION.
- 2. ALL METAL (EXPOSED), AND MOUNTS SHALL BE PAINTED TO MATCH THE WATER TANK PER OWNER;S PAIN SPECIFICATIONS.
- 3. ORIENT COAX MOUNT TO CLEAR EXISTING BRACING.
- 4. THE CONTRACTOR SHALL REMOVE GALVANIZATION FROM PIPE AS NECESSARY TO PREVENT ZINC CONTAMINATION OF WELD.
- 5. THE CONTRACTOR SHALL WELD A TAB TO THE MESSENGER PIPE A MAXIMUM OF 1'-0" FROM THE BOTTOM OF THE LOWEST MESSENGER PIPE AND A MAXIMUM OF 1'-0" FROM THE TOP OF THE HIGHEST MESSENGER PIPE.



T··Mobile·



1961 NORTHPOINT BLVD, SUITE 130 HIXSON, TN 37343 PH: 423-843-9500 FAX: 423-843-9509

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

A&E PROJECT #:	N/A
DRAWN BY:	BNS
CHECKED BY:	DLS
	DRAWN BY:

	EVISIONS		
l	◬	01/26/2022	CONSTRUCTION ISSUE
	Æ	01/18/2022	PRELIMINARY REVIEW
	⚠	01/11/2022	PRELIMINARY REVIEW
	$\triangle$	01/07/2022	PRELIMINARY REVIEW
	A	01/03/2022	PRELIMINARY REVIEW
	$\blacksquare$	12/15/2021	PRELIMINARY REVIEW
	NO.	DATE	DESCRIPTION
	_		



N/A

SITE NAME:

UTILITY SERVICES
HOLLY SPRINGS
SITE NUMBER:

5RA0965A

SITE ADDRESS:

SHEET TITLE:

6908 COKESBURY RD HOLLY SPRINGS, NC 27540

ESIGN TYPE:

COLOCATE

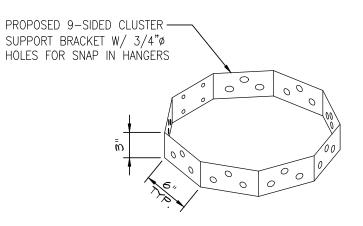
MOUNT DETAILS

DRAWING NO

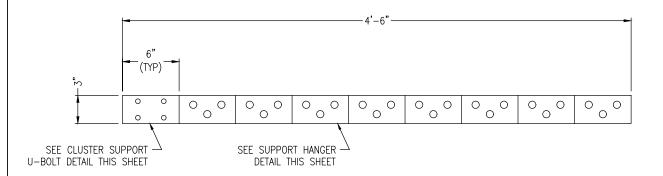
REVISION:

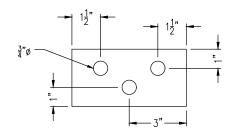
SCALE: N.T.S.

MOUNTING DETAILS

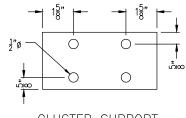


#### CLUSTER SUPPORT DETAIL

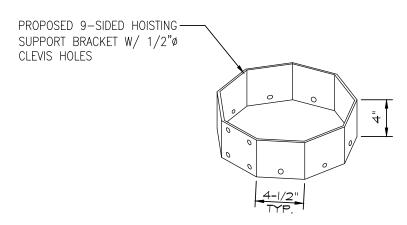




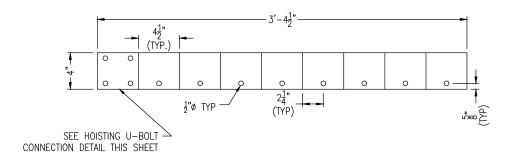
SUPPORT HANGER HOLE DETAIL

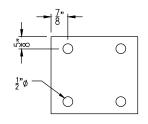


CLUSTER SUPPORT U-BOLT DETAIL



HOISTING BRACKET DETAIL





HOISTING U-BOLT DETAIL

T · · Mobile ·



1961 NORTHPOINT BLVD, SUITE 130 HIXSON, TN 37343 PH: 423-843-9500 FAX: 423-843-9509

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

	A&E PROJECT #:	N/A
	DRAWN BY:	BNS
	CHECKED BY:	DLS

[	REVISIONS			
◬	01/26/2022	CONSTRUCTION ISSUE		
Æ	01/18/2022	PRELIMINARY REVIEW		
҈	01/11/2022	PRELIMINARY REVIEW		
$\triangle$	01/07/2022	PRELIMINARY REVIEW		
A	01/03/2022	PRELIMINARY REVIEW		
$\mathbb{A}$	12/15/2021	PRELIMINARY REVIEW		
NO.	DATE	DESCRIPTION		



PROJECT No. N/A

SITE NAME:

UTILITY SERVICES HOLLY SPRINGS

SITE NUMBER: 5RA0965A

SITE ADDRESS:

6908 COKESBURY RD HOLLY SPRINGS, NC 27540

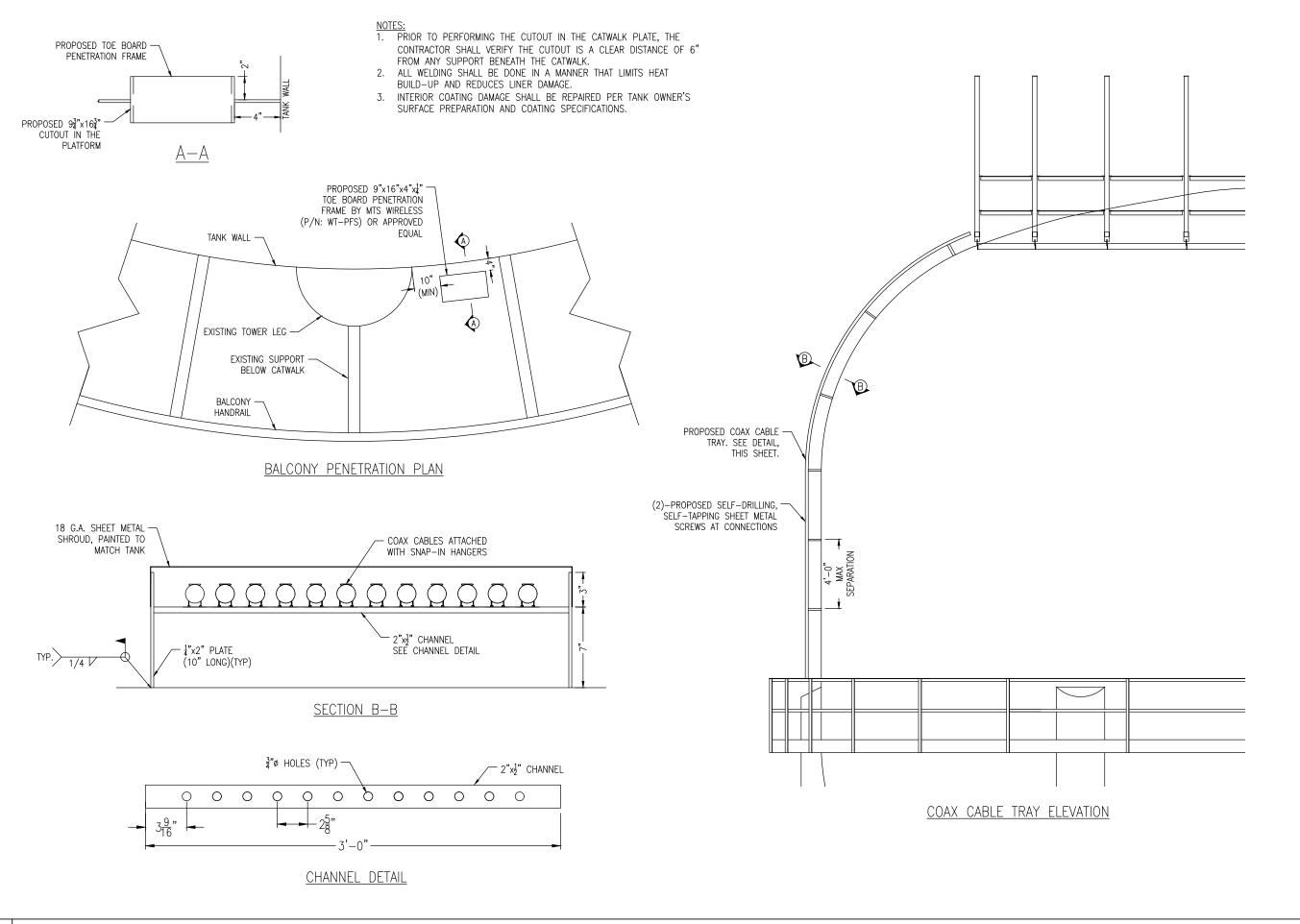
DESIGN TYPE:

COLOCATE

MOUNT DETAILS

SHEET TITLE:

SCALE: N.T.S.



T··Mobile·



1961 NORTHPOINT BLVD, SUITE 130 HIXSON, TN 37343 PH: 423-843-9500 FAX: 423-843-9509

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

A&E PROJECT #:	N/A
DRAWN BY:	BNS
CHECKED BY:	DLS

REVISIONS		
◬	01/26/2022	CONSTRUCTION ISSUE
Æ	01/18/2022	PRELIMINARY REVIEW
⚠	01/11/2022	PRELIMINARY REVIEW
$\triangle$	01/07/2022	PRELIMINARY REVIEW
A	01/03/2022	PRELIMINARY REVIEW
$\blacksquare$	12/15/2021	PRELIMINARY REVIEW
NO.	DATE	DESCRIPTION



PROJECT No.

SITE NUMBER:

N/A SITE NAME:

> UTILITY SERVICES **HOLLY SPRINGS**

5RA0965A

SITE ADDRESS:

6908 COKESBURY RD HOLLY SPRINGS, NC 27540

DESIGN TYPE: COLOCATE

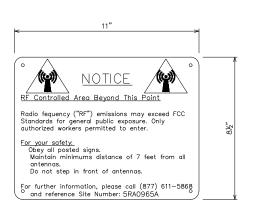
SHEET TITLE:

MOUNT DETAILS

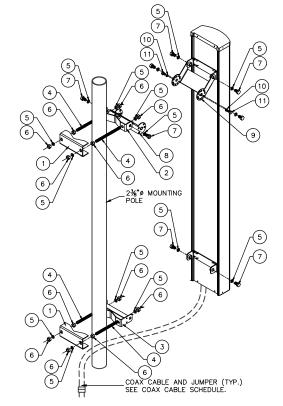
NOTE: SIGNS TO BE MOUNTED ON THE FRONT SIDE OF THE 6160 CABINET.



EMERGENCY SIGN (RED METAL SIGN W/ WHITE LETTERING)



RF NOTICE SIGN (WHITE METAL SIGN W/ BLACK LETTERING)



ANTENNA ATTACHMENT HARDWARE:				
ITEM	PART NO.	QTY.	DESCRIPTION	
1	601553-1	2	BRACKET, CLAMP	
2	601539-1	1	ADAPTER, POLE	
3	802355-4	1	ADAPTER, POLE LOWER	
4	ROD190003	4	½" × 7" THREADED ROD	
5	WSH150003	12	½" SPLIT WASHER	
6	NUT150001	12	½" HEX HEAD NUT	
7	BLT140002	6	½" × 1" HEX HEAD BOLT	
8	601730-1	1	BRACKET, DOWNTILT POLE	
9	601735-1	1	BRACKET, DOWNTILT, ANTENNA	
10	WSH150006	2	∜6" SPLIT WASHER	
11)	BLT140004	2	%6" HEX HEAD BOLT	

OVERALL WEIGHT: 10.75 LBS.

T · · Mobile ·



1961 NORTHPOINT BLVD, SUITE 130 HIXSON, TN 37343 PH: 423-843-9500 FAX: 423-843-9509

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

	A&E PROJECT #:	N/A
	DRAWN BY:	BNS
	CHECKED BY:	DLS

REVISIONS		
◬	01/26/2022	CONSTRUCTION ISSUE
Æ	01/18/2022	PRELIMINARY REVIEW
◬	01/11/2022	PRELIMINARY REVIEW
◬	01/07/2022	PRELIMINARY REVIEW
Æ	01/03/2022	PRELIMINARY REVIEW
$\triangle$	12/15/2021	PRELIMINARY REVIEW
NO.	DATE	DESCRIPTION



PROJECT No.

N/A

SITE NAME:

UTILITY SERVICES HOLLY SPRINGS

SITE NUMBER:

5RA0965A

SITE ADDRESS:

6908 COKESBURY RD HOLLY SPRINGS, NC 27540

DESIGN TYPE:

COLOCATE

SHEET TITLE:

SITE DETAILS

DRAWING NO

#### ENCLOSURE 6160 AC



#### **MECHANICAL SPECIFICATION**

Weight 145 kg (excluding active equipment)

320 lbs (excluding active equipment)

1600 x 650 x 650 mm (incl. Base frame) Dimension (H x W x D)

63 x 26 x 26 in. (incl. Base frame)

150 mm Base frame height

6 in.

Mounting position Ground Enclosure material Aluminum

Color Power paint NCS 2002-B

Door Front access

Rack type 19" (IEC 60297-3-100) Pad lock or Cylinder Locking type

#### ENCLOSURE BIGO



Capacity

— VRLA 12V: 100Ah / 150Ah / 170Ah / 190Ah / 210Ah

— Li-Ion: 24U 19" / 23"

— Sodium-Nickel: 3x FIAMM

Electrical specification

— DC Output: -48VDC/200A Battery breakers: 2x 125/2p

— Alarms: Door open, Climate failure, MCB Connection

Mechanical specification

Weight: 134kg

— Dimensions: 63 x 26 x 26 in. (incl. Base frame)

Base frame height: 6 in.

Galvanized steel (180g/m²) — Material: — Color: Powder paint NCS 2002-B

— Door: Front access Locking type: Pad lock / cylinder

Emergency fan

VRLA/Sodium IP44 Li-Ion IP55

500W @L35/L35

15-100%

DC

UTILITY SERVICES **HOLLY SPRINGS** 

N/A

T · · Mobile ·

1961 NORTHPOINT BLVD, SUITE 130 HIXSON, TN 37343 PH: 423-843-9500 FAX: 423-843-9509 THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO THE CLIENT IS STRICTLY PROHIBITED.

N/A

BNS

DLS

**REVISIONS** 

01/26/2022 CONSTRUCTION ISSUE 01/11/2022 PRELIMINARY REVIEW 01/07/2022 PRELIMINARY REVIEW 
 ⚠
 01/03/2022
 PRELIMINARY REVIEW

 ⚠
 12/15/2021
 PRELIMINARY REVIEW

 NO.
 DATE
 DESCRIPTION

A&E PROJECT #:

DRAWN BY:

CHECKED BY:

5RA0965A

SITE ADDRESS:

PROJECT No.

SITE NAME:

SITE NUMBER

6908 COKESBURY RD HOLLY SPRINGS, NC 27540

COLOCATE

SHEET TITLE: **CABINET DETAILS** 

REVISION:



**Environmental specification** 

Ingress protection:

 Relative humidity: Climate system

Air Conditioner

— Fan type:

Cooling capacity:

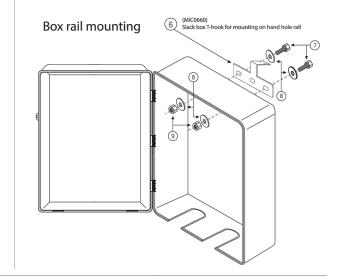
Convection cooling

2 ENCLOSURE BIGO DETAILS

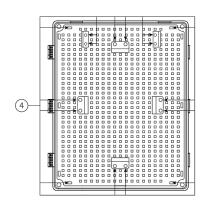
# MIROC Excess Fiber Box

MIC0688

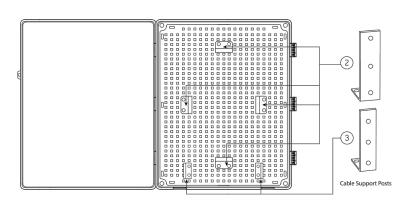
PART #	DESCRIPTION	
MIC0647	16" x 19" PVC Slack Box	1
MIC0654	Cable Support Post (2" x 6")	4
MIC0673	Lower Cable Support Post (1" x 6")	2
MIC0663	#10 x 3/8" Phil Pan Screw	16
MIC0665	14" Cable Tie	12
MIC0674	Slack Box T-Hook	1
BS3834	S3834 Stainless Steel Hex Head Bolt, 3/8"-16 x 3/4"	
8 WFS381 Stainless Steel Fender Washer, 3/8" x 1"		4
NS38	Stainless Steel Hex Nut, 3/8"	
_	MIC0647 MIC0654 MIC0673 MIC0663 MIC0665 MIC0674 BS3834 WFS381	MIC0647         16" x 19" PVC Slack Box           MIC0654         Cable Support Post (2" x 6")           MIC0673         Lower Cable Support Post (1" x 6")           MIC0663         # 10 x 3/8" Phil Pan Screw           MIC0665         14" Cable Tie           MIC0674         Slack Box T-Hook           BS3834         Stainless Steel Hex Head Bolt, 3/8"-16 x 3/4"           WFS381         Stainless Steel Fender Washer, 3/8" x 1"



#### Pan screw locations

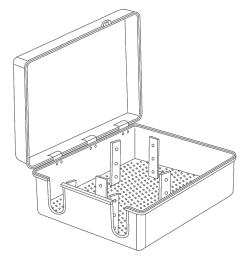




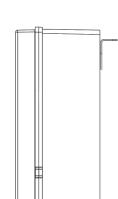


505.343.5371

#### Box assembled

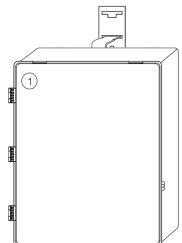


For technical support & product info



www.miroc.com

Side view



sales@miroc.com

Mounting on rail

PROJECT No.

UTILITY SERVICES HOLLY SPRINGS

N/A

T··Mobile·

1961 NORTHPOINT BLVD, SUITE 130 HIXSON, TN 37343 PH: 423-843-9500 FAX: 423-843-9509

THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY

BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO THE CLIENT IS STRICTLY PROHIBITED.

N/A

BNS

DLS

**REVISIONS** 

↑ 01/26/2022 CONSTRUCTION ISSUE
↑ 01/18/2022 PRELIMINARY REVIEW
↑ 01/11/2022 PRELIMINARY REVIEW

| 01/07/2022 | PRELIMINARY REVIEW | 01/03/2022 | PRELIMINARY REVIEW | 12/15/2021 | PRELIMINARY REVIEW | NO. | DATE | DESCRIPTION |

A&E PROJECT #:

DRAWN BY:

CHECKED BY:

SITE NUMBER: 5RA0965A

5101050

SITE ADDRESS:

6908 COKESBURY RD HOLLY SPRINGS, NC 27540

DESIGN TYPE:

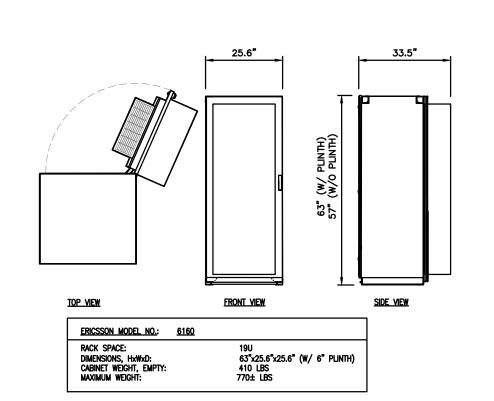
COLOCATE

SHEET TITLE:

CABINET DETAILS

DRAWING NO.

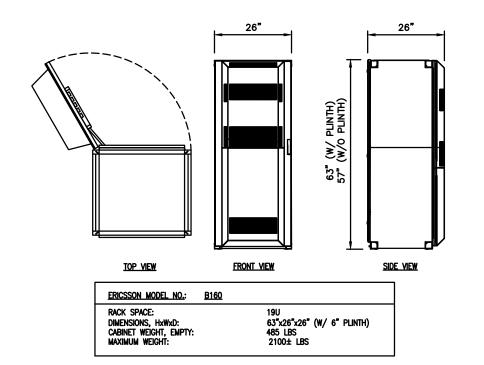
C6A



4 Σ Σ Σ

12"

**ELEVATION** 



GALVANIZED STEEL

ICE BRIDGE

SUPPORT POST

T · · Mobile ·



1961 NORTHPOINT BLVD, SUITE 130 HIXSON, TN 37343 PH: 423-843-9500 FAX: 423-843-9509

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

A&E PROJECT #:	N/A
DRAWN BY:	BNS
CHECKED BY:	DLS

l	REVISIONS				
l					
l	◬	01/26/2022	CONSTRUCTION ISSUE		
l	Æ	01/18/2022	PRELIMINARY REVIEW		
l	⚠	01/11/2022	PRELIMINARY REVIEW		
l	◬	01/07/2022	PRELIMINARY REVIEW		
1	Æ	01/03/2022	PRELIMINARY REVIEW		
1	$\triangle$	12/15/2021	PRELIMINARY REVIEW		
l	NO.	DATE	DESCRIPTION		

PROJECT No.

N/A

SITE NAME: UTILITY SERVICES **HOLLY SPRINGS** 

SITE NUMBER: 5RA0965A

SITE ADDRESS:

6908 COKESBURY RD HOLLY SPRINGS, NC 27540

DESIGN TYPE:

COLOCATE

ICE BRIDGE & EQUIPMENT **DETAILS** 

DRAWING NO.

REVISION:

- 1/2" x 305/8" x 5" GALVANIZED U-BOLT WAVEGUIDE CHANNEL -ASSEMBLY (TYP) 12" BRIDGE SUPPORT P/N WB-LB12-3 = 24" BRIDGE SUPPORT P/N WB-LB24-3 MTS WAVEGUIDE BRIDGE MTS: WB-K210B FIELD VERIFY REQ'D HEIGHT (OR APPROVED EQUAL) VERTICAL TRAPEZE KIT 3" GALVANIZED -MTS: WB-T24-3 STEEL POST CAP - 3-1/2" O.D. PIPE (SCH 40) GALVANIZED 12" DIA ROUND HYBRID CABLES FOUNDATION FROM COVP BOX TOP OF GRAVEL VERTICAL TRAPEZE KIT FINISH GRADE MTS: WB-T24-3 3-1/2" SCH 40

MIRAFI FABRIC 500X

(OR APPROX EQ)

2 BIGO CABINET DETAIL

VS CADWELD #3 AWG -

**GROUND RING** 

GROUND WIRE 6" ABOVE

GRADE FROM POST TO

3 ICE BRIDGE DETAIL

| 6160 CABINET DETAIL

N.T.S

N.T.S



- 1. PROVIDE AND INSTALL WARNING TAPE FOR ELECTRIC SERVICE CONDUIT 2' BELOW GRADE. SEE CONDUIT SECTION ON SHEET E4.
- CONTRACTOR TO PAY FOR THE SERVICE AS DIRECTED BY THE UTILITY COMPANY.
- CONTRACTOR TO USE RIGID METAL CONDUIT WHERE CONDUITS CROSS ACCESS ROADS. CONTRACTOR TO BOND RGS CONDUIT WITH GROUNDING CLAMP TO THE GROUND RADIAL IN
- CONTRACTOR SHALL COORDINATE WITH ELECTRIC AND TELEPHONE UTILITY COMPANIES FOR SERVICES.
- CONTRACTOR TO PAY ALL FEES FOR SERVICES REQUIRED.
- 6. CONTRACTOR TO BE ADVISED THAT EXISTING UNDERGROUND

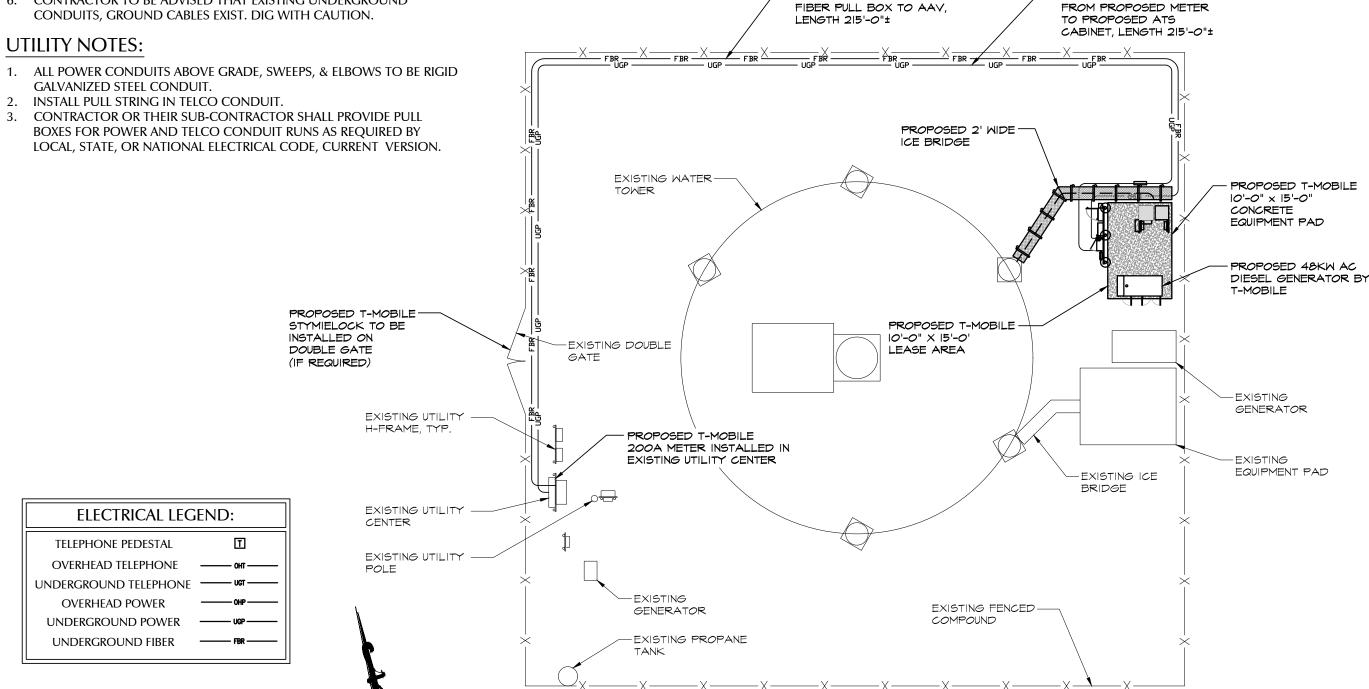
- GALVANIZED STEEL CONDUIT.

15'

SCALE: 1'' = 15'

45'

BOXES FOR POWER AND TELCO CONDUIT RUNS AS REQUIRED BY



PROPOSED 3" PVC

CONDUIT FOR FIBER FROM

PROPOSED 2" PVC

CONDUIT FOR POWER

T··Mobile·



1961 NORTHPOINT BLVD, SUITE 130 HIXSON, TN 37343 PH: 423-843-9500 FAX: 423-843-9509

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

A&E PROJECT #:	N/A
DRAWN BY:	BNS
CHECKED BY:	DLS

	REVISIONS		
◬	01/26/2022	CONSTRUCTION ISSUE	
Æ	01/18/2022	PRELIMINARY REVIEW	
◬	01/11/2022	PRELIMINARY REVIEW	
$\triangle$	01/07/2022	PRELIMINARY REVIEW	
Æ	01/03/2022	PRELIMINARY REVIEW	
$\triangle$	12/15/2021	PRELIMINARY REVIEW	
NO.	DATE	DESCRIPTION	



PROJECT No N/A

SITE NAME

UTILITY SERVICES **HOLLY SPRINGS** 

SITE NUMBER 5RA0965A

SITE ADDRESS

6908 COKESBURY RD HOLLY SPRINGS, NC 27540

COLOCATE

OVERALL ELECTRICAL SITE PLAN

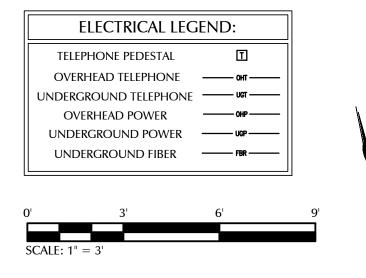
DRAWING NO

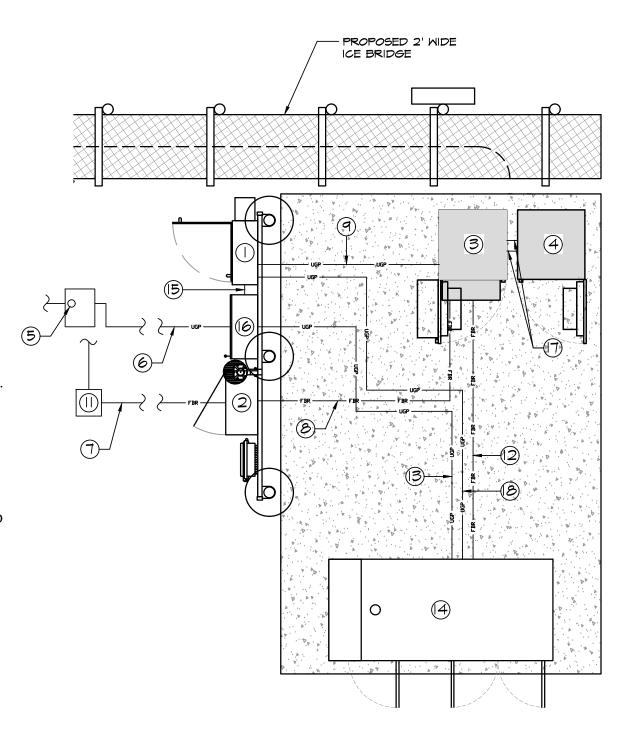
#### **GENERAL NOTES:**

- 1. CONTRACTOR TO INSTALL PULL BOX EVERY THIRD 90° TURN (MAX).
- 2. NO CONDUITS WILL ROUTE ON TOP OF CONCRETE PAD, ALL CONDUITS TO BE RAN BEFORE CONCRETE PAD IS INSTALLED.

#### **DRAWING NOTES:**

- 1. PROPOSED PPC CABINET
- PROPOSED AAV CABINET
- 3. PROPOSED 6160 CABINET
- 4. PROPOSED B160 BATTERY CABINET
- 5. PROPOSED 200A, 120/240V, 1Ø, 3 WIRE METER WITH SERVICE DISCONNECT (120/240V, FUSED AT 200A) IN EXISTING MULTIGANG METER BANK.
- PROPOSED 2" PVC CONDUIT FOR POWER FROM PROPOSED METER TO PROPOSED ATS CABINET
- 7. PROPOSED 3" PVC CONDUIT FOR FIBER FROM FIBER PULL BOX TO AAV
- 8. PROPOSED 2" PVC CONDUIT FOR FIBER FROM AAV TO 6160 CABINET. CONTRACTOR TO RUN CONDUIT UNDERGROUND BEFORE CONCRETE PAD
- 9. PROPOSED 2" PVC CONDUIT FOR POWER FROM PPC TO 6160 CABINET. CONTRACTOR TO RUN CONDUIT UNDERGROUND BEFORE CONCRETE PAD IS INSTALLED.
- 10. CONTRACTOR TO COORDINATE POWER/TELCO SERVICE WITH LOCAL UTILITY COMPANY. STUB UP LOCATIONS TO BE DETERMINED BY LOCAL UTILITY COMPANIES.
- 11. PROPOSED PULL BOX (TYP). SEE GENERAL NOTE.
- 12. PROPOSED 1" CONDUIT WITH PULLSTRING FROM GENERATOR TO 6160 CABINET FOR GENERATOR CONTROLS. CONTRACTOR TO RUN CONDUIT UNDERGROUND BEFORE CONCRETE PAD IS INSTALLED.
- 13. PROPOSED 1 1/2" POWER CONDUIT FROM GENERATOR TO ATS FOR POWER. CONTRACTOR TO RUN CONDUIT UNDERGROUND BEFORE CONCRETE PAD
- 14. PROPOSED 48kw AC DIESEL GENERATOR
- 15. PROPOSED 3" PVC CONDUIT FOR POWER FROM PROPOSED ATS TO PROPOSED PPC CABINET
- 16. PROPOSED ATS
- 17. PROPOSED (2) 2" PVC CONDUITS FOR ALARM AND POWER SUPPLY.
- 18. PROPOSED 1" POWER CONDUIT FROM PPC TO GEN FOR BLOCK HEATER AND BATTERY CHARGER. CONTRACTOR TO RUN CONDUIT UNDERGROUND BEFORE CONCRETE PAD IS INSTALLED.





T··Mobile·



EXISTING FENCED

COMPOUND

1961 NORTHPOINT BLVD, SUITE 130 HIXSON, TN 37343 PH: 423-843-9500 FAX: 423-843-9509

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

		A&E PROJECT #:	N/A
		DRAWN BY:	BNS
	l,	CHECKED BY:	DLS

	REVISIONS				
	$\triangle$	01/26/2022	CONSTRUCTION ISSUE		
	Æ	01/18/2022	PRELIMINARY REVIEW		
	⚠	01/11/2022	PRELIMINARY REVIEW		
	◬	01/07/2022	PRELIMINARY REVIEW		
	Æ	01/03/2022	PRELIMINARY REVIEW		
	$\triangle$	12/15/2021	PRELIMINARY REVIEW		
	NO.	DATE	DESCRIPTION		



PROJECT No SITE NAME

N/A

UTILITY SERVICES **HOLLY SPRINGS** 

SITE NUMBER 5RA0965A

SITE ADDRESS

6908 COKESBURY RD HOLLY SPRINGS, NC 27540

COLOCATE

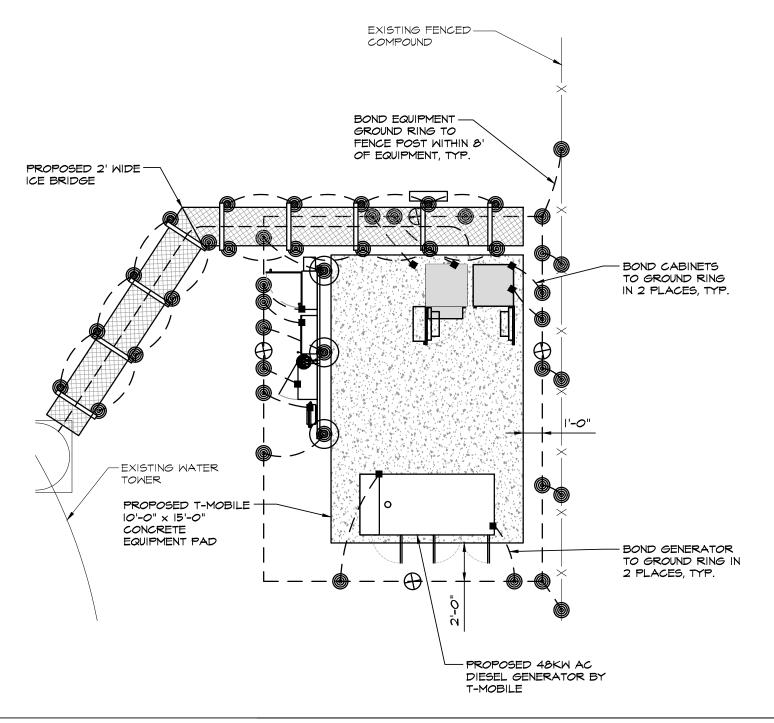
**ENLARGED ELECTRICAL** SITE PLAN

#### **GROUNDING NOTES:**

- 1. INSTALL GROUND RING 2 FEET MIN. OUTSIDE OF PAD FOUNDATION AND 6" BELOW GROUND RING. GROUND RING CONSISTS OF 4/0 BARE COPPER WIRE. T-MOBILE REPRESENTATIVE TO INSPECT GROUNDING BEFORE BACKFILLING.
- 2. INSTALL GROUND RING BEFORE PAD IS SET.
- 3. GROUND EACH CABINET FRAME WITH #2 AWG SOLID TINNED COPPER WITH 2 HOLE LUG, 2 PER CABINET BOND TO MASTER GROUND RING.
- 4. EXOTHERMIC WELD ALL CONNECTIONS TO BURIED GROUND RING WITH PARALLEL WELDS.
- 5. GROUND ALL EXTERIOR EXPOSED METAL OBJECTS. USE TWO HOLE MECHANICAL CONNECTORS (T & B 32007) FOR CONNECTION TO FLAT METAL SURFACES. PROVIDE STAINLESS STEEL HARDWARE AND LOCKWASHERS ON ALL MECHANICAL CONNECTIONS. APPLY ANTI-OXIDE COMPOUND TO CONNECTIONS.
- 6. MAKE ALL GROUNDING CONNECTIONS AS SHORT AS POSSIBLE. MINIMUM BENDING RADIUS IS 12".
- 7. CLEAN ALL SURFACES AND BRUSH WITH BRONZE BRUSH PRIOR TO MAKING GROUND CONNECTIONS. PAINT ALL EXOTHERMIC WELDS TO GALVANIZED OBJECTS WITH GALVANIZED PAINT.
- 8. T-MOBILE GROUND RING MUST TEST AT 5 OHMS OR LESS INDEPENDENT OF MASTER RING.

#### **CONSTRUCTION NOTES:**

- A. GROUND ALL EXTERIOR EXPOSED METAL OBJECTS. USE TWO HOLE MECHANICAL CONNECTORS (T & B 32007) FOR CONNECTION TO FLAT METAL SURFACES. PROVIDE STAINLESS STEEL HARDWARE AND LOCKWASHERS ON ALL MECHANICAL CONNECTIONS. APPLY ANTI-OXIDE COMPOUND TO CONNECTIONS.
- B. EXOTHERMIC WELDS TO BE USED FOR BONDING OF ALL EXTERIOR SUPPORT STRUCTURES.
- C. ALL ICE BRIDGE SECTIONS TO BE JUMPERED W/ #6 STRANDED.



T··Mobile·



1961 NORTHPOINT BLVD, SUITE 130 HIXSON, TN 37343 PH: 423-843-9500 FAX: 423-843-9509

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

	A&E PROJECT #:	N/A
	DRAWN BY:	BNS
	CHECKED BY:	DLS

		EVISIONS			
	◬	01/26/2022	CONSTRUCTION ISSUE		
	Æ	01/18/2022	PRELIMINARY REVIEW		
	◬	01/11/2022	PRELIMINARY REVIEW		
	◬	01/07/2022	PRELIMINARY REVIEW		
	A	01/03/2022	PRELIMINARY REVIEW		
	$\triangle$	12/15/2021	PRELIMINARY REVIEW		
l	NO.	DATE	DESCRIPTION		



PROJECT No.

TE NAME:

UTILITY SERVICES HOLLY SPRINGS

SITE NUMBER: 5RA0965A

SITE ADDRESS:

6908 COKESBURY RD HOLLY SPRINGS, NC 27540

DESIGN TYPE:

**COLOCATE** 

SHEET TITLE:

EQUIPMENT GROUNDING PLAN

DRAWING NO.

**E2** 

0

#2 SOLID BARE COPPER GROUND
CABLE RUN 6" BELOW FROST LINE

5/8" x 10' COPPER CLAD STEEL GROUND

**EXOTHERMIC WELD WITH INSPECTION SLEEVE** 

ROD ROD

**GROUNDING LEGEND:** 

MECHANICAL CONNECTION

EXOTHERMIC WELD

#### **ELECTRICAL SPECIFICATIONS:**

- 1. SCOPE: PROVIDE LABOR, MATERIALS, AND EQUIPMENT, ETC., REQUIRED TO COMPLETE THE INSTALLATION SHOWN ON THE DRAWINGS.
- 2. CODES AND STANDARDS: INSTALLATION SHALL COMPLY WITH APPLICABLE LAWS AND ORDINANCES, UTILITY COMPANY REGULATIONS, AND APPLICABLE REQUIREMENTS OF THE LATEST EDITIONS OF:
  - 1. UNIFORM BUILDING CODE.
  - 2. BUILDING OFFICIALS & CODE ADMINISTRATORS (BOCA)
  - 3. UNIFORM MECHANICAL CODE.
  - 4. INTERNATIONAL BUILDING CODE MICHIGAN ADDITION (IBC)
  - 5. ANSI/EIA-222-G LIFE SAFETY CODE NFPA-101.
  - 6. UNIFORM PLUMBING CODE.
  - 7. NATIONAL ELECTRIC CODE.
  - 8. LOCAL BUILDING CODE.
  - 9. CITY/COUNTY ORDINANCES.
- 3. PERMITS: OBTAIN AND PAY FOR REQUIRED PERMITS, LICENSES, FEES, INSPECTIONS, ETC.
- 4. COORDINATION: COORDINATE WORK WITH OTHER TRADES.
- 5. SUBMITTALS: SUBMIT BROCHURES FOR APPROVAL ON MAJOR SYSTEM COMPONENTS.
- EXISTING SERVICES: DO NOT INTERRUPT EXISTING SERVICES WITHOUT WRITTEN PERMISSION OF THE OWNER.
- 7. EQUIPMENT: CONNECT ELECTRICALLY OPERATED EQUIPMENT.
- 8. RECORD DRAWINGS: MAINTAIN A RECORD OF ALL CHANGES AND SUBSTITUTIONS BETWEEN WORK AS SPECIFIED AND INSTALLED. RECORD CHANGES ON A CLEAN SET OF CONTRACT DOCUMENTS WHICH SHALL BE TURNED OVER TO THE OWNER UPON COMPLETION OF THE PROJECT.
- 9. IDENTIFICATION: IDENTIFY SERVICE DISCONNECTING MEANS WITH PERMANENT NAME PLATE.
- 10. GUARANTEE/WARRANTY: GUARANTEE INSTALLATION TO BE FREE OF DEFECTS, SHORTS, GROUNDS, ETC., FOR A PERIOD OF ONE YEAR. FURNISH WARRANTY SO THE DEFECTIVE MATERIALS AND/OR WORKMANSHIP WILL BE REPAIRED/REPLACED IMMEDIATELY UPON NOTIFICATION AT NO COST TO THE OWNER FOR THE PERIOD OF THE WARRANTY.
- 11. CUTTING AND PATCHING: PROVIDE CUTTING REQUIRED TO DO THE WORK. DO NOT CUT MAJOR STRUCTURAL ELEMENTS WITHOUT APPROVAL. PATCHING SHALL BE OF QUALITY EQUAL TO AND OF MATCHING APPEARANCE OF EXISTING CONSTRUCTION.
- DITCHING AND BACKFILL: PROVIDE FOR ALL UNDERGROUND INSTALLED CONDUIT AND/OR CABLES.
- 13. RACEWAYS: UNDERGROUND CONDUIT SHALL BE SCHEDULE 80 PVC CONDUIT (MEET NEMA TC2 1990). EXPOSED CONDUIT SHALL BE RIGID GALVANIZED STEEL CONDUIT. UNDERGROUND PVC CONDUIT SHALL TRANSITION TO RIGID GALVANIZED STEEL CONDUIT BEFORE RISING ABOVE GRADE. PLUG AND CAP EACH END OF SPARE AND EMPTY CONDUITS AND PROVIDE TWO SEPARATE PULL STRINGS 200 LB. TEST POLYETHYLENE CORD. ALL CONDUIT BENDS SHALL BE A MINIMUM OF 24" RADIUS. GRS CONDUITS WHEN SPECIFIED, SHALL MEET UL-6 FOR GALVANIZED STEEL. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT.
- 14. SUPPORTS: AS REQUIRED BY THE NEC.

- 15. CONDUCTORS: USE 98% CONDUCTIVITY COPPER WITH TYPE THHN OR EQUIVALENT 90°C INSULATION, 600 VOLT, COLOR CODED. USE SOLID CONDUCTORS FOR WIRE UP TO AND INCLUDING NO. 10 AWG. USE STRANDED CONDUCTORS FOR WIRE ABOVE NO. 10 AWG.
- 16. CONNECTORS FOR POWER CONDUCTORS: USE COMPRESSION TYPE INSULATED CONNECTORS FOR #10 AWG AND SMALLER. USE SOLDERLESS MECHANICAL TERMINAL LUGS FOR #8 AWG AND LARGER.
- 17. GROUNDING: MAIN GROUNDING CONDUCTORS SHALL BE A MINIMUM OF #2 AWG SOLID TINNED COPPER. GROUNDING LEADS ON ANTENNA SUPPORT STRUCTURES SHALL BE A MINIMUM OF #2 AWG SOLID BARE COPPER AND SHALL BE TINNED WHERE THEY ARE INSTALLED AGAINST THE STRUCTURE. GROUND BARS SHALL BE 1/4" THICK, 4" WIDE, LENGTH AS REQUIRED. GROUND RESISTANCE TO BE 5 OHM MAXIMUM. PROVIDE ADDITIONAL GROUNDING PLATES AS REQUIRED.
- 18. TELEPHONE SERVICE: PROVIDE EMPTY CONDUITS WITH PULL WIRES (10' ON EACH SIDE OF CONDUIT).
- 19. SERVICE: 240/120, SINGLE PHASE, 3 WIRE, 200 AMP FROM THE METER.

T··Mobile·



1961 NORTHPOINT BLVD, SUITE 130 HIXSON, TN 37343 PH: 423-843-9500 FAX: 423-843-9509

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

	A&E PROJECT #:	N/A
	DRAWN BY:	BNS
	CHECKED BY:	DLS

	REVISIONS		
◬	01/26/2022	CONSTRUCTION ISSUE	
Æ	01/18/2022	PRELIMINARY REVIEW	
$\Phi$	01/11/2022	PRELIMINARY REVIEW	
◬	01/07/2022	PRELIMINARY REVIEW	
A	01/03/2022	PRELIMINARY REVIEW	
$\triangle$	12/15/2021	PRELIMINARY REVIEW	
NO.	DATE	DESCRIPTION	



PROJECT No

SITE NAME:

UTILITY SERVICES HOLLY SPRINGS

N/A

SITE NUMBER:

5RA0965A

SITE ADDRESS

6908 COKESBURY RD HOLLY SPRINGS, NC 27540

DESIGN TY

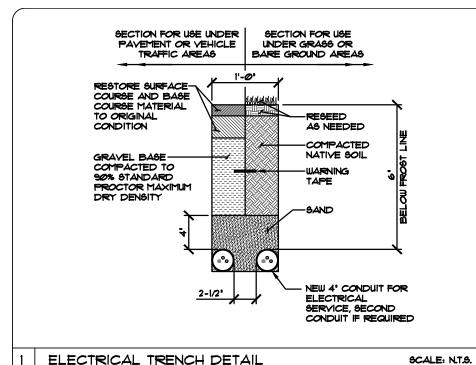
**COLOCATE** 

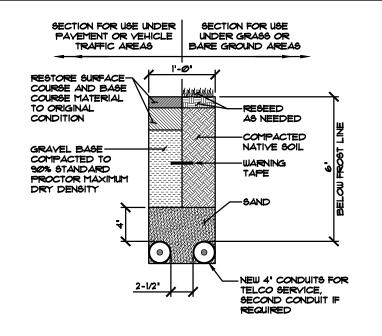
SHEET TITLE:

ELECTRICAL SPECIFICATIONS NOTES

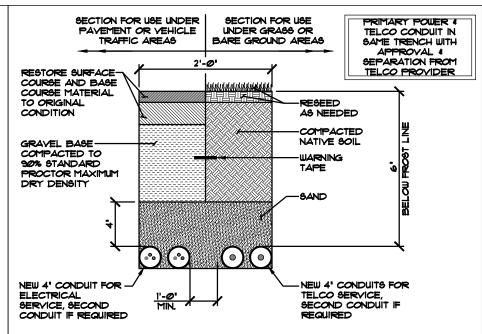
DRAWING NO

-3





TELEPHONE TRENCH DETAIL



JOINT UTILITY TRENCH DETAIL

T · · Mobile ·



1961 NORTHPOINT BLVD, SUITE 130 HIXSON, TN 37343 PH: 423-843-9500 FAX: 423-843-9509

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

SCALE: N.T.S.	A&E PROJECT #:	N/A
	DRAWN BY:	BNS
	CHECKED BY:	DLS

	R	EVISIONS
◬	01/26/2022	CONSTRUCTION ISSUE
Æ	01/18/2022	PRELIMINARY REVIEW
⚠	01/11/2022	PRELIMINARY REVIEW
$\triangle$	01/07/2022	PRELIMINARY REVIEW
Æ	01/03/2022	PRELIMINARY REVIEW
$\triangle$	12/15/2021	PRELIMINARY REVIEW
NO.	DATE	DESCRIPTION



PROJECT No N/A

SITE NAME

SCALE: N.T.S.

UTILITY SERVICES **HOLLY SPRINGS** SITE NUMBER

5RA0965A

SITE ADDRESS: 6908 COKESBURY RD

HOLLY SPRINGS, NC 27540

DESIGN TYPE COLOCATE

SHEET TITLE:

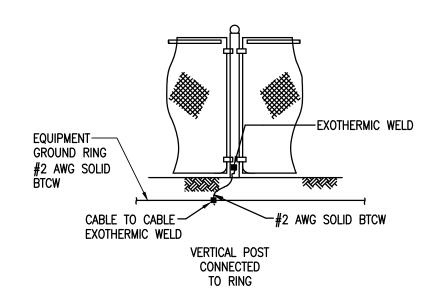
**ELECTRICAL DETAILS** 

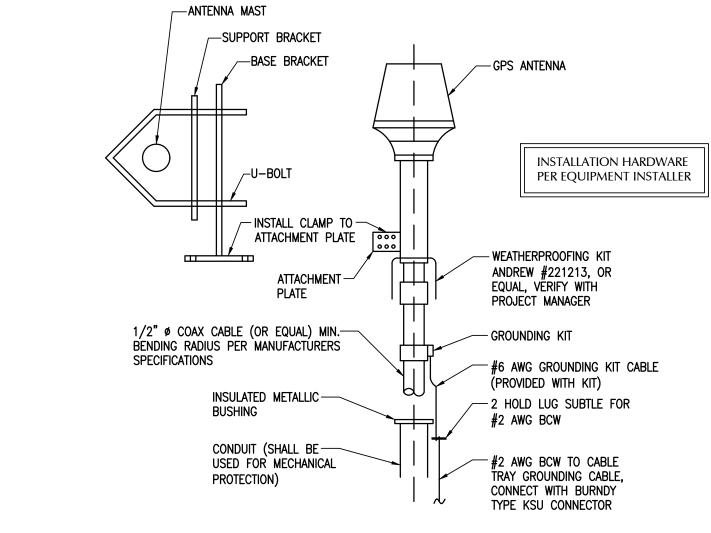
DRAWING NO.

REVISION:

**NOTES:** 

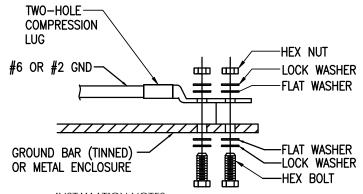
- **EXCAVATE TO REQUIRED DEPTH**
- **VERIFY ALL TRENCHING REQUIREMENTS WITH** SERVING UTILITIES.
- CALL BEFORE YOU DIG. CONTACT SERVING UTILITIES.





SCALE: N.T.S.

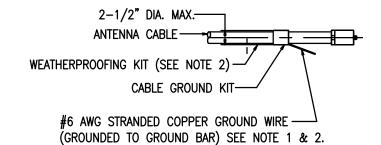
3



#### **INSTALLATION NOTES:**

- 1. BOLTS, WASHERS, AND NUTS SHALL BE STAINLESS STEEL.
- 2. SELECT BOLT LENGTH TO PROVIDE A MINIMUM OF TWO EXPOSED THREADS.
- 3. BURNISH MOUNTING SURFACE TO REMOVE PAINT IN THE AREA OF LUG CONTACT.
- 4. APPLY ANTI-OXIDANT COMPOUND TO MATING SURFACE OF LUG & WIPE CLEAN EXCESS COMPOUND.
- 5. USE 1/4" HARDWARE FOR ATTACHMENT TO METAL ENCLOSURES & 3/8" FOR ATTACHMENT TO GROUND BARS.
- 6. ALL BOLTS MUST HAVE AT LEAST 2 THREAD ENGAGEMENT.

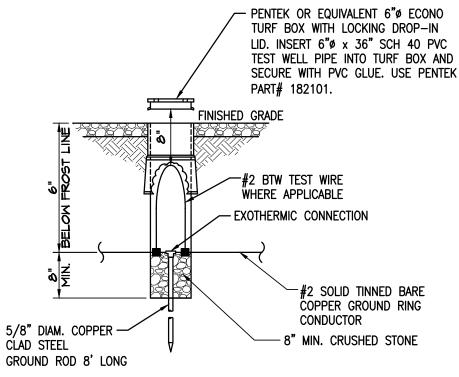
### **GROUNDING CONNECTION TO GROUND BAR OR FLAT SURFACE**



#### **GROUND KIT NOTES:**

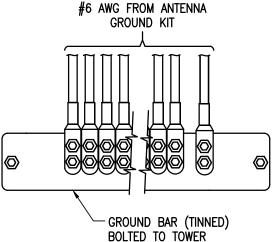
- 1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
- 2. GROUNDING KIT AND WEATHER PROOFING KIT SHALL BE OF THE SAME TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.

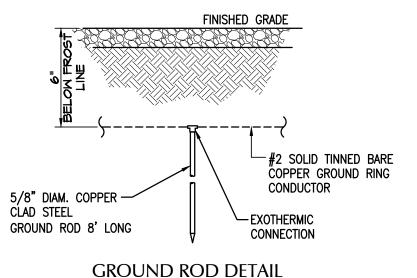
#### CONNECTION OF CABLE GROUND KIT TO ANTENNA CABLE



INSPECTION SLEEVE DETAIL NTS

INSTALLATION OF GROUND WIRE TO GROUND BAR NTS





T · · Mobile ·



1961 NORTHPOINT BLVD, SUITE 130 HIXSON, TN 37343 PH: 423-843-9500 FAX: 423-843-9509

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

	A&E PROJECT #:	N/A
	DRAWN BY:	BNS
	CHECKED BY:	DLS

	REVISIONS			
١				
١	◬	01/26/2022	CONSTRUCTION ISSUE	
١	Æ	01/18/2022	PRELIMINARY REVIEW	
١	⚠	01/11/2022	PRELIMINARY REVIEW	
١	◬	01/07/2022	PRELIMINARY REVIEW	
١	Æ	01/03/2022	PRELIMINARY REVIEW	
١	$\triangle$	12/15/2021	PRELIMINARY REVIEW	
١	NO.	DATE	DESCRIPTION	



PROJECT No. N/A

SITE NAME:

UTILITY SERVICES **HOLLY SPRINGS** 

SITE NUMBER 5RA0965A

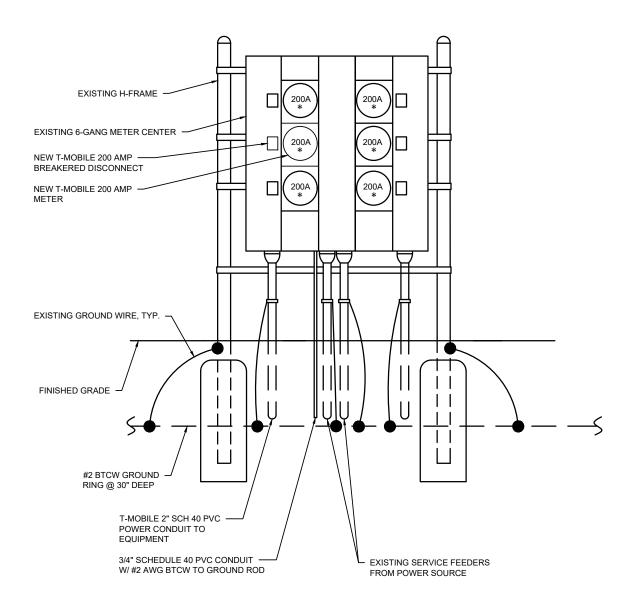
SITE ADDRESS:

6908 COKESBURY RD HOLLY SPRINGS, NC 27540

COLOCATE

SHEET TITLE:

**GROUNDING DETAILS** 



6-GANG METER CENTER

FRONT VIEW

T··Mobile-



1961 NORTHPOINT BLVD, SUITE 130 HIXSON, TN 37343 PH: 423-843-9500 FAX: 423-843-9509

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

	A&E PROJECT #:	N/A
	DRAWN BY:	BNS
	CHECKED BY:	DLS

	REVISIONS				
◬	01/26/2022	CONSTRUCTION ISSUE			
Æ	01/18/2022	PRELIMINARY REVIEW			
⚠	01/11/2022	PRELIMINARY REVIEW			
◬	01/07/2022	PRELIMINARY REVIEW			
Æ	01/03/2022	PRELIMINARY REVIEW			
$\triangle$	12/15/2021	PRELIMINARY REVIEW			
NO.	DATE	DESCRIPTION			



PROJECT No.

N/A

SITE NAME:

UTILITY SERVICES HOLLY SPRINGS

SITE NUMBER: 5RA0965A

510 10 505

SITE ADDRESS:

6908 COKESBURY RD HOLLY SPRINGS, NC 27540

DESIGN TYPE:

COLOCATE

SHEET TITLE:

ELECTRICAL DETAILS

E6

REVISION:

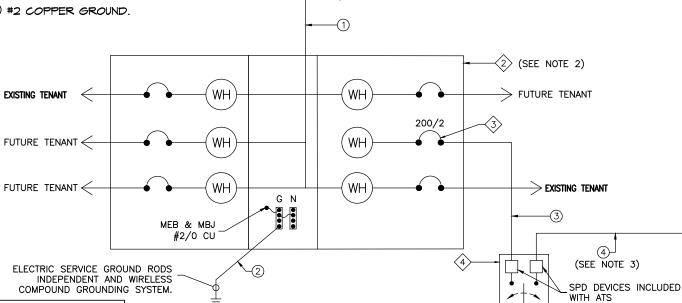
SCALE: N.T.S.

KEYED COMPONENT NOTES:

- EXISTING UTILITY TRANSFORMER.
- EXISTING METER CENTER WITH (4) AVAILABLE METER SOCKETS.
- NEW 200 AMP MAIN BREAKER COMPATIBLE WITH EXISTING SERVICE EQUIPMENT, BY CONTRACTOR.
- NEW 200 AMP, 2-POLE, SOLID NEUTRAL AUTOMATIC TRANSFER SWITCH.
- NEW 200 AMP, 120/240V, 3W, DISTRIBUTION PANEL.
- NEW EMERGENCY 48KW BACK UP GENERATOR.

#### KEYED CONDUIT NOTES:

- (1) EXISTING CONDUIT & CONDUCTORS.
- EXISTING SERVICE GROUNDING.
- NEW 2" CONDUIT MINIMUM WITH (3) #3/O COPPER THWN CONDUCTORS \$ (1) #2 COPPER GROUND.
- NEW 2" CONDUIT MINIMUM WITH (3) #3/O COPPER THWN CONDUCTORS AND (1) #2 COPPER GROUND.



#2 STRANDED INSULATED COPPER TO

MGB. LABEL AS "LEAD #13"

\$\langle\frac{1}{1}\$ SINGLE-PHASE UTILITY TRANSFORMER

					POWE	R PANE	L (PROF	OSED)					
	MAIN BREAKER (A)	200		VC	LTAGE	120/240	V, 1 P	H, 3W					
POS	DESCRIPTION	BKR	ON / OFF	C / NC	VA	L1 (VA)	L2 (VA)	VA	C / NC	ON / OFF	BKR	DESCRIPTION	POS
1	TVSS	60	ON	С	0	0		0	С	ON			2
3	1 1033	"	ON	С	0		9000	9000	С	ON	150	ERICSSON 6160	4
5	TELCO GFCI	20	ON	NC	180	9180		9000	С	ON	130	ERICSSON 0100	6
7	GEN BLOCK HEATER	20	ON	NC	1500		1500	0	С	ON			8
9	GEN BATTERY CHARGER	20	ON	NC	1000	1180		180	NC	ON	20	6160 GFCI	10
11	VACANT	-					360	360	NC	ON	20	WORK LIGHT	12
13	VACANT	-	-			0			-	-	-	VACANT	14
15	VACANT	-	-	-			0		-	-	-	VACANT	16
17	VACANT	-	-	-		0			-	-	-	VACANT	18
19	VACANT	-	-	-			0		-	-	-	VACANT	20
21	VACANT	-	-	-		0			-	-	-	VACANT	22
23	VACANT	-	-	-			0		-	-	-	VACANT	24
	PHASE TOT	ALS (V	4)	•		10,360	10,860	AMP	ERES P	ER PHA	SE CAN	NOT EXCEED MAIN BREAK	KER
	PHASE CURRENT (A)		105	109	RATING								
	PANEL TOTAL (VA)		21,	220	LEGEND: C=CONTINUOUS, NC=NON-CONTINUOUS								
	F	PANEL	CAPACI	TY AT 80	0% (VA)	38,4	00.0						
	PANEL LOADING (100% NON-CONTINUOUS) (VA)												
	PANEL LOADING (125% CONTINUOUS) (VA)							0.0					
		TOTAL PANEL LOADING (VA) 25,720.0											

## **AC PANEL SCHEDULE**

NTS

PANEL SPARE CAPACITY (VA) 12,680.0

ONE LINE DIAGRAM

I. ALL CONDUIT NOT SPECIFIED OTHERWISE SHALL BE SCHD. 40 PVC BELOW GRADE, IMC ABOVE. 2. CONTRACTOR TO VERIFY THAT THE AVAILABLE FAULT CURRENT DOES NOT EXCEED THE LIMITS OF THE ELECTRICAL COMPONENTS.

T · · Mobile ·

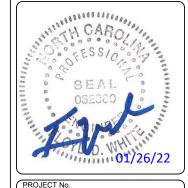


1961 NORTHPOINT BLVD, SUITE 130 HIXSON, TN 37343 PH: 423-843-9500 FAX: 423-843-9509

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

A&E PROJECT #:	N/A
DRAWN BY:	BNS
CHECKED BY:	DLS

REVISIONS						
◬	01/26/2022	CONSTRUCTION ISSUE				
Æ	01/18/2022	PRELIMINARY REVIEW				
҈Ѧ	01/11/2022	PRELIMINARY REVIEW				
◬	01/07/2022	PRELIMINARY REVIEW				
Æ	01/03/2022	PRELIMINARY REVIEW				
$\triangle$	12/15/2021	PRELIMINARY REVIEW				
NO.	DATE	DESCRIPTION				
		△ 01/26/2022				



SITE NAME:

UTILITY SERVICES HOLLY SPRINGS

N/A

SITE NUMBER 5RA0965A

SITE ADDRESS:

6908 COKESBURY RD HOLLY SPRINGS, NC 27540

DESIGN TYPE:

COLOCATE

PANEL SCHEDULE

ONE LINE DIAGRAM &

E6A

UTILITY NOTE:

-3 (SEE NOTE 3)

)200/2

ONE LINE DIAGRAM

1. GC TO INSTALL BRASS NAMES PLATES SECURED WITH POP RIVETS ON ALL T-MOBILE ITEMS (HOFFMAN BOX, METER BASE, DISCONNECT, ETC.)

**6** 

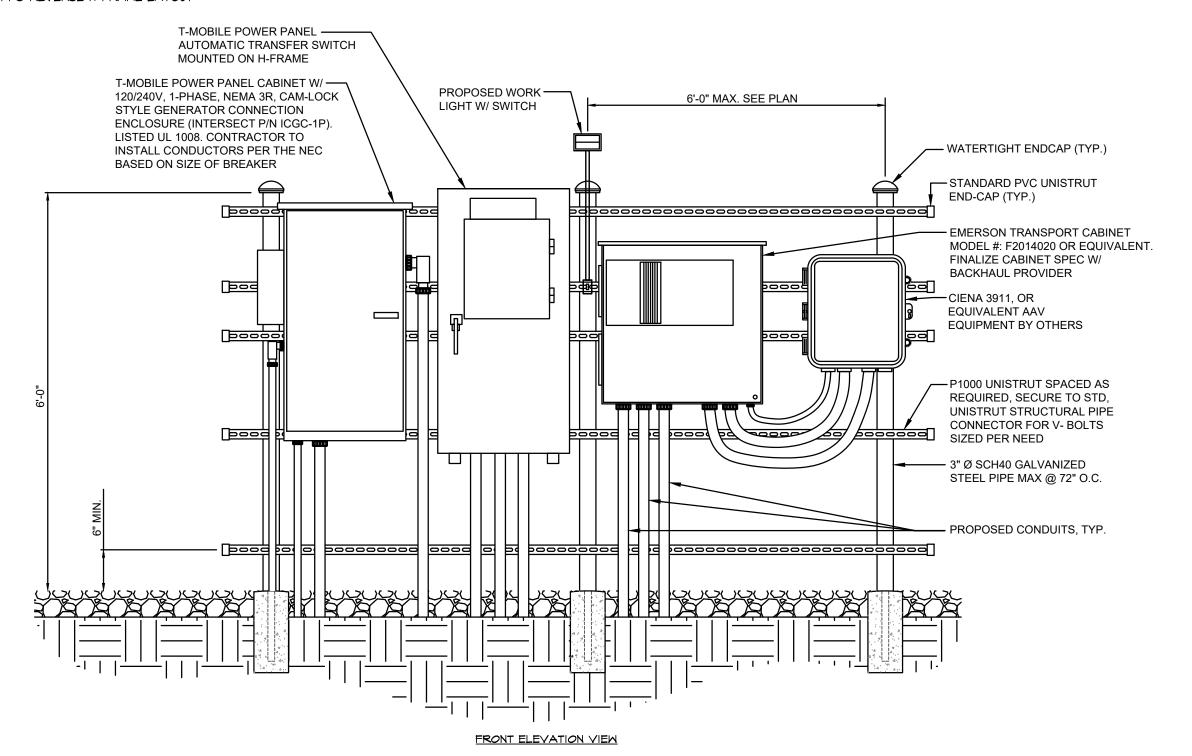
200/2

SCALE: N.T.S.

AC PANEL SCHEDULE

#### NOTES:

- ALL EQUIPMENT SHALL BE GROUNDED
- ALL ELECTRICAL ENCLOSURES TO BE NEMA 3R RATED
- SEE SITE PLAN FOR GENERAL ROUTING OF ALL CONDUITS. DETERMINE EXACT ROUTINGS IN FIELD.
- ELECTRICAL EQUIPMENT SHALL BE A MIN. 3'-O" FROM ANY STRUCTURE.
- ALL COVERPLATES TO BE WEATHERPROOF.
- 6. INSTALL CAPS ON ALL OPEN POST
- INSTALL UNISTRUT BEHIND SUPPORT POST AS SHOWN
- ALL LBS MUST BE RIGID METALLIC
- 9. IF CAM LOCK GENERATOR CONNECTOR IS ON THE RIGHT SIDE OF THE PPC REVERSE H-FRAME LAYOUT



T··Mobile·



1961 NORTHPOINT BLVD, SUITE 130 HIXSON, TN 37343 PH: 423-843-9500 FAX: 423-843-9509

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

A&E PROJECT #:	N/A
DRAWN BY:	BNS
CHECKED BY:	DLS

	REVISIONS						
◬	01/26/2022	CONSTRUCTION ISSUE					
Æ	01/18/2022	PRELIMINARY REVIEW					
⚠	01/11/2022	PRELIMINARY REVIEW					
◬	01/07/2022	PRELIMINARY REVIEW					
Æ	01/03/2022	PRELIMINARY REVIEW					
$\triangle$	12/15/2021	PRELIMINARY REVIEW					
NO.	DATE	DESCRIPTION					



PROJECT No

N/A

SITE NAME:

UTILITY SERVICES HOLLY SPRINGS

SITE NUMBER 5RA0965A

SITE ADDRESS:

6908 COKESBURY RD HOLLY SPRINGS, NC 27540

DESIGN TYPE:

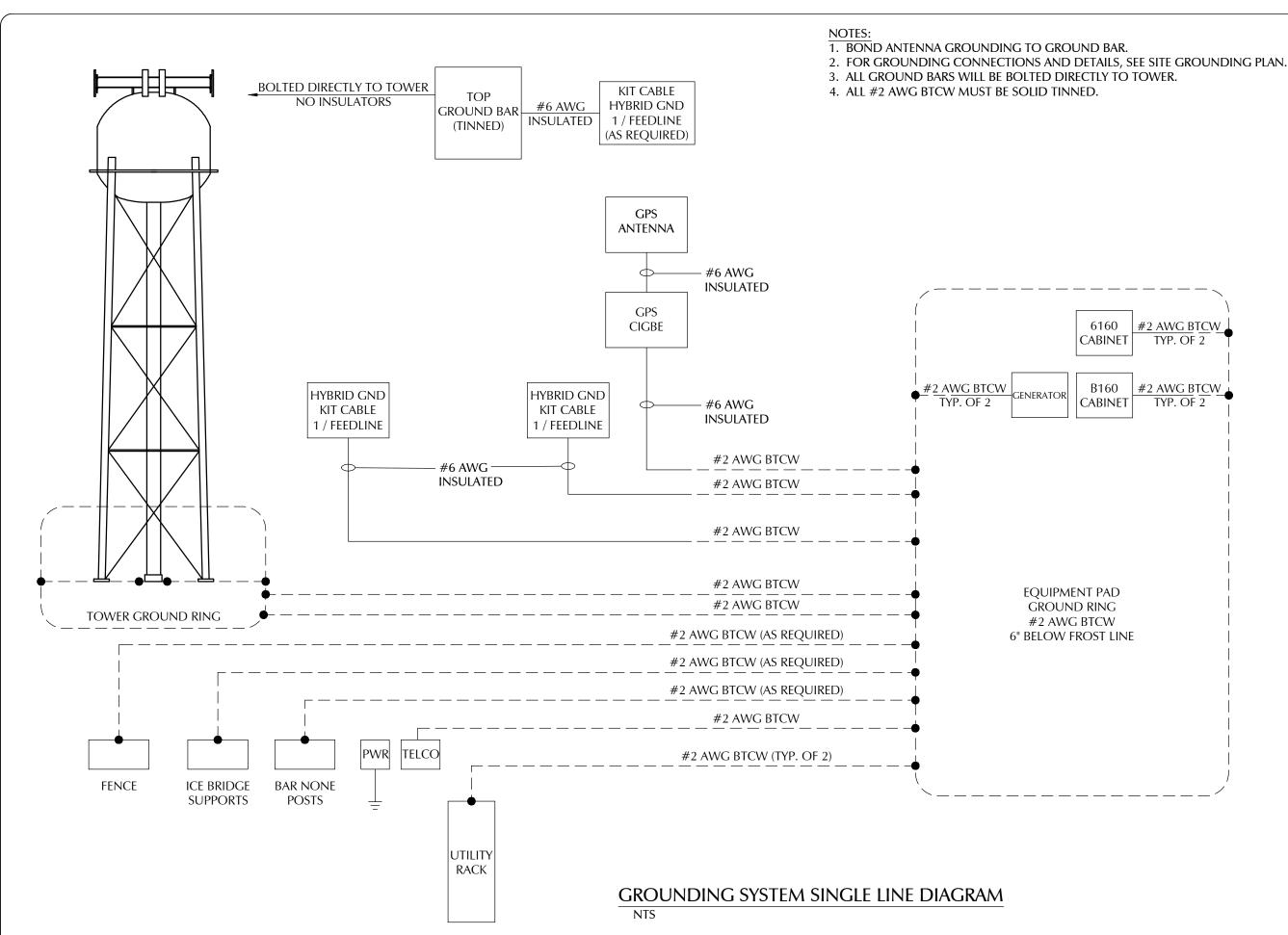
COLOCATE

**EQUIPMENT H-FRAME** RACK DETAIL

DRAWING NO. E<sub>6</sub>B

REVISION:

SCALE: N.T.S.



T··Mobile·



1961 NORTHPOINT BLVD, SUITE 130 HIXSON, TN 37343 PH: 423-843-9500 FAX: 423-843-9509

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

A&E PROJECT #:	N/A
DRAWN BY:	BNS
CHECKED BY:	DLS

[	REVISIONS					
◬	01/26/2022	CONSTRUCTION ISSUE				
Æ	01/18/2022	PRELIMINARY REVIEW				
⚠	01/11/2022	PRELIMINARY REVIEW				
$\triangle$	01/07/2022	PRELIMINARY REVIEW				
Æ	01/03/2022	PRELIMINARY REVIEW				
$\triangle$	12/15/2021	PRELIMINARY REVIEW				
NO.	DATE	DESCRIPTION				



SITE NAME:

UTILITY SERVICES **HOLLY SPRINGS** 

N/A

SITE NUMBER 5RA0965A

SITE ADDRESS:

6908 COKESBURY RD HOLLY SPRINGS, NC 27540

COLOCATE

SHEET TITLE:

**GROUNDING SINGLE LINE** 

REVISION:

SCALE: N.T.S.