

#### HISTORIC PRESERVATION COMMISSION

Marc Elrich
County Executive

Robert K. Sutton
Chairman

Date: April 28, 2022

#### **MEMORANDUM**

TO: Mitra Pedoeem

Department of Permitting Services

FROM: Michael Kyne

**Historic Preservation Section** 

Maryland-National Capital Park & Planning Commission

SUBJECT: Historic Area Work Permit # 987920: New hardscape, fencing, and generator

The Montgomery County Historic Preservation Commission (HPC) has reviewed the attached application for a Historic Area Work Permit (HAWP). This application was **Approved** at the April 20, 2022 HPC meeting.

The HPC staff has reviewed and stamped the attached construction drawings.

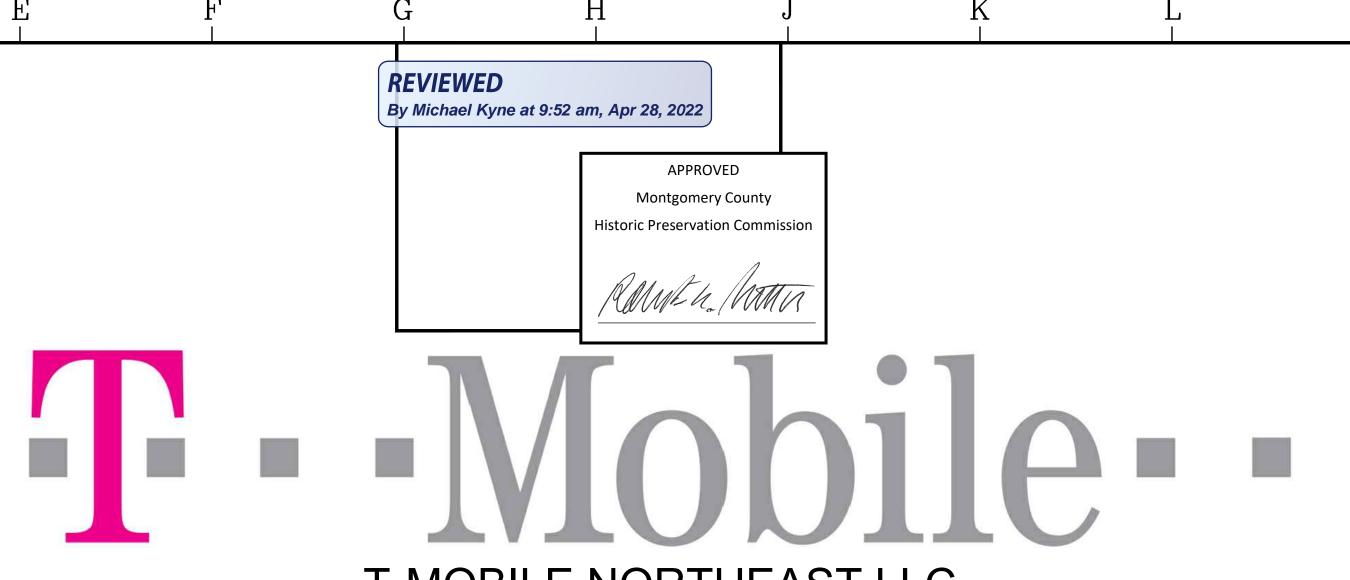
THE BUILDING PERMIT FOR THIS PROJECT SHALL BE ISSUED CONDITIONAL UPON ADHERENCE TO THE ABOVE APPROVED HAWP CONDITIONS AND MAY REQUIRE APPROVAL BY DPS OR ANOTHER LOCAL OFFICE BEFORE WORK CAN BEGIN.

Applicant: T-Mobile/Smartlink Group (Sonya Hemphill, Agent)

Address: 17800 Bowie Mill Road, Derwood

This HAWP approval is subject to the general condition that the applicant will obtain all other applicable Montgomery County or local government agency permits. After the issuance of these permits, the applicant must contact this Historic Preservation Office if any changes to the approved plan are made. Once work is complete the applicant will contact Michael Kyne at 301.563.3403 or <a href="michael.kyne@montgomeryplanning.org">michael.kyne@montgomeryplanning.org</a> to schedule a follow-up site visit.





T-MOBILE NORTHEAST LLC SITE ID: 7WAN162B SITE NAME: FRALEY FAMILY - ROCKVILLE 17800A BOWIE MILL ROAD

ROCKVILLE, MD 28055 MONTGOMERY COUNTY

ADC MAP NO.: 24

#### SITE INFORMATION

(1) PROPOSED GENERAC 48 KW RD048 AC DIESEL SCOPE OF WORK: GENERATOR

(1) PROPOSED GENERAC GTS SERIES, 240 VOLT RATED, 1Ø, 2 POLE, 200 AMP NEMA 3R AUTOMATIC TRANSFER SWITCH (1) PROPOSED 5' X 10' CONCRETE GENERATOR PAD

PROJECT DESIGN: **HARDENING** SITE ID NUMBER:

SITE ADDRESS 17800A BOWIE MILL ROAD

SITE COORDINATES: LAT. = N 39° 09' 00.49" (NAD 83) LONG. = W -77° 06' 51.55" (NAD 83)

JURISDICTION: MONTGOMERY COUNTY

ZONING: EXISTING USE: AGRICULTURE / TELECOMMUNICATIONS

49.28 AC

SILO

TAX ACCOUNT NUMBER: PARCEL AREA:

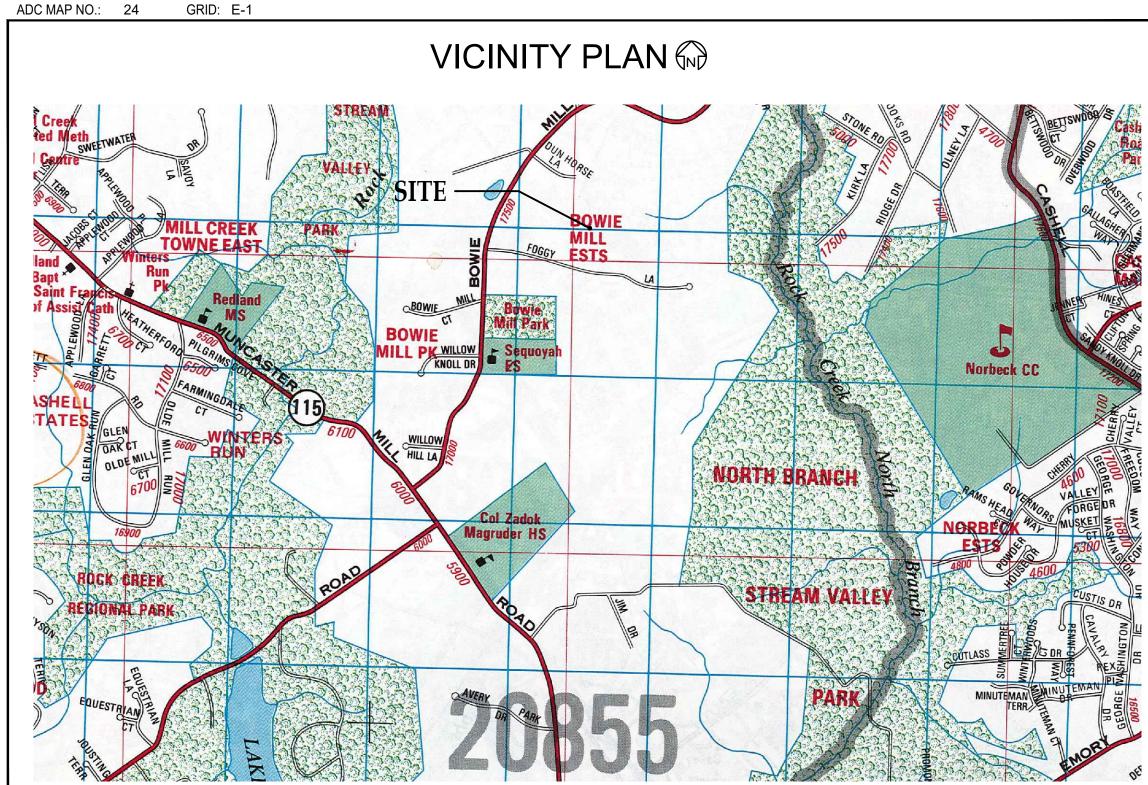
STRUCTURE TYPE:

PARCEL OWNER: FRALEY, HARRY H ET AL

17800 BOWIE MILL ROAD ADDRESS: ROCKVILLE, MD 28055

**GROUND ELEVATION:** ±496' AMSL (AVG)

STRUCTURE USE GROUP: PROPOSED WORK USE GROUP: UTILITY (U)



## PROJECT TEAM

T-MOBILE NORTHEAST LLC APPLICANT:

12050 BALTIMORE AVENUE BELTSVILLE, MD 20705 OFFICE: (240) 264-8600

FAX: (240) 264-8610

PROJECT MANAGEMENT FIRM: SMARTLINK 1362 MELLON ROAD, SUITE 140

> HANOVER, MD 21076 (410) 582-8043

**ENGINEERING FIRM:** TELEGENT ENGINEERING INC. 2216 COMMERCE ROAD, SUITE 1

FOREST HILL, MD 21050

(410) 692-5816 MORRIS & RITCHIE ASSOCIATES, INC.

1220-C EAST JOPPA ROAD, SUITE 505

TOWSON, MD 21286 (410) 821-1690

## **CODE ANALYSIS**

APPLICABLE BUILDING CODE: IBC 2018

NEC 2017 APPLICABLE ELECTRIC CODE:

UTILITY (U) USE GROUP:

CONSTRUCTION TYPE:

PERMITTED USE NUMBER 20506142

# **GENERATOR USE**

THE PROPOSED T-MOBILE GENERATOR IS AN OPTIONAL STAND-BY UNIT AS DEFINED BY NFPA 70, ARTICLE 703 AND DOES NOT SUPPLY LIFE SAFETY EQUIPMENT. THE GENERATOR IS USED TO BACKUP THE TELEPHONE EXCHANGE EQUIPMENT IN ORDER TO KEEP THE CELL SITE IN FULL OPERATION IN THE EVENT OF NORMAL UTILITY POWER FAIL. THEREFORE, NFPA 110 DOES NOT APPLY.

## DIRECTIONS TO SITE

FROM BELTSVILLE:

-TAKE MD-200 WEST TO US-1 NORTH

-TAKE US-1 NORTH TO MD-200 WEST.

-TAKE MD-200 WEST RAMP TO I-95/I-270. -TAKE MD-200 WEST TO MD-97/GEORGIA AVENUE.

-TAKE EXIT 8B FROM MD-200 WEST.

-TAKE EXIT 8B TOWARD MD-97/GEORGIA AVE. -KEEP RIGHT AT THE FORK AND MERGE ONTO MD-97. -TAKE CASHELL RD TO 17800 BOWIE MILL ROAD. -DESTINATION IS AHEAD ON THE RIGHT.

# INDEX OF DRAWINGS

**COVER SHEET** 

**GENERAL STRUCTURAL NOTES** 

**GENERAL NOTES** 

COMPOUND PLAN

EQUIPMENT POWER PLAN, POWER RISER, AND NOTES

ELECTRICAL SYMBOLS LIST, DETAILS, AND SCHEDULE **DETAILS** 

SITE SIGNAGE

#### DO NOT SCALE DRAWINGS

THESE DRAWINGS ARE FORMATTED TO BE FULL-SIZE AT 24"X36". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE DESIGNER / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME. CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICE TO PREVENT STORM WATER POLLUTION DURING CONSTRUCTION.

# APPROVAL BLOCK

		APPROVED	APPROVED AS NOTED	DISAPPROVED/ REVISE
PROPERTY OWNER	DATE			
SITE ACQUISITION	DATE			
CONSTRUCTION MANAGER	DATE			
ZONING	DATE			
	5,112			

12050 BALTIMORE AVENUE BELTSVILLE, MARYLAND 20705 OFFICE: (240) 264-8600 FAX: (240) 264-8610 TELEGENT ENGINEERING INC. 2216 Commerce Road, Suite 1 Forest Hill, MD 21050 410-692-5816 www.tel-eng.com SITE ID: 7WAN162B SITE NAME: FRALEY FAMILY - ROCKVILLE

> SITE ADDRESS: 17800A BOWIE MILL ROAD

ROCKVILLE, MD 28055 MONTGOMERY COUNTY

**REVISION BLOCK** NO. DESCRIPTION FINAL DWGS 01/17/202 REVIEW DWGS | 01/06/2022



PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, TIMOTHY SMIDT AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21585, EXPIRATION DATE: MAY 8, 2023.

DRAWN BY: FVB WGJ/FVB **DESIGNED BY: ORIGINAL DATE:** 01/06/2022 TEI PROJECT #: 21130U DESIGN SCALE: AS NOTED

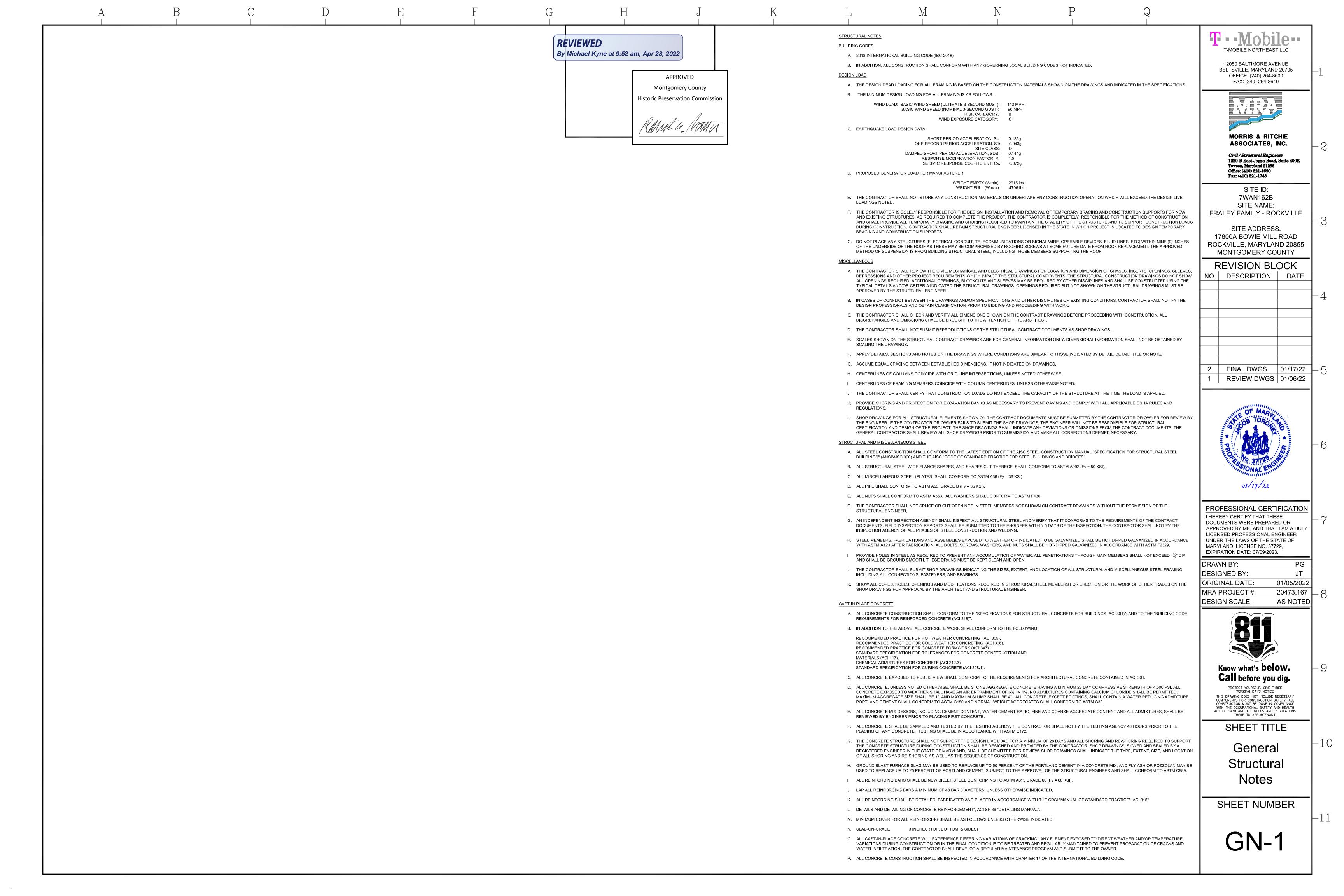


Know what's **below.** Call before you dig.

SHEET TITLE

COVER SHEET

SHEET NUMBER



#### **GENERAL NOTES**

- THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY. MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
- 2. THE ARCHITECT/ENGINEER HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BIDDING THE JOB IS NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
- 3. THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE CARRIER TEAM REPRESENTATIVES OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK. IN THE EVENT OF DISCREPANCIES, THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.
- 4. THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND ALL OTHER MATERIALS AND LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.
- 5. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 6. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/CONTRACT DOCUMENTS.
- 7. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S/VENDOR'S SPECIFICATIONS UNLESS OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
- 8. THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE UPDATED WITH THE LATEST REVISIONS AND ADDENDUMS OR CLARIFICATIONS AVAILABLE FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
- 9. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY OR LOCAL GOVERNMENT AUTHORITY.
- 11. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVEMENTS, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
- 12. THE CONTRACTOR SHALL MAINTAIN THE GENERAL WORK AREA AS CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
- 13. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
- 14. THE CONTRACTOR SHALL NOTIFY THE T-MOBILE REPRESENTATIVE WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED BY THE CARRIER TEAM REPRESENTATIVES.
- 15. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE JOB.
- 16. THE PLAN IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
- 17. THIS FACILITY IS UNMANNED AND NOT INTENDED FOR HUMAN HABITATION (NO HANDICAPPED ACCESS).
- 18. THIS FACILITY IS UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SANITARY SERVICE. INTERRUPTING RATING (AIC) NOT LESS THAN THE MAXIMUM CURRENT TO WHICH THEY MAY BE SUBJECTED.
- 19. THIS FACILITY IS UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SANITARY SERVICE.

#### SIGNAGE NOTES

#### SIGNS MOUNTED ON GENERATOR ENCLOSURE/DOOR (ON ALL 4 SIDES)

- 1. DANGER DIESEL FUEL FLAMMABLE NO MATCHES, SMOKING, OR OPEN FLAMES
- 2. DANGER THIS EQUIPMENT STARTS AUTOMATICALLY
- 3. WARNING EYE AND EAR PROTECTION REQUIRED
- 4. SAFETY FUELING COMPANY: CHECK FUEL LINES PRIOR TO DEPARTURE TO PREVENT SPILLS
- 5. NOTICE FUELING COMPANY: REFUELING A RUNNING GENERATOR MUST BE DONE AT 50% OF NORMAL FILL
- 6. NFPA DIAMOND FOR "DIESEL" (1,2,0)
- 7. OWNED BY T-MOBILE.
- 8. FUEL TANK CAPACITY 240 GALLONS (MOUNTED TO TANK).
- 9. NOTE: SIGNS CAN BE PURCHASED FROM PREFERRED VENDOR ORR SAFETY VIA T-MOBILE MARKETPLACE SYSTEM

ALTERNATE: HTTP://WWW.SPEEDYSIGNS.COM/SIGNS/OSHA READYMADE.ASP ALTERNATE: HTTPS://WWW.COMPLIANCESIGNS.COM

#### **GROUNDING NOTES**

- 1 ALL GROUND CONNECTIONS BELOW GRADE SHALL BE EXOTHERMIC (CADWELD).
- 2 GROUNDING CONNECTIONS TO GROUND RODS, GROUND RING WIRE, TOWER BASE, AND FENCE POSTS SHALL BE EXOTHERMIC (CADWELD) UNLESS NOTED OTHERWISE. CLEAN SURFACES TO SHINY METAL. WHERE GROUND WIRES ARE CADWELDED TO GALVANIZED SURFACES, SPRAY CADWELD WITH GALVANIZING PAINT.
- 3 ALL GROUNDING DEVICES SHALL BE UL APPROVED FOR THEIR INTENDED USE.
- 4 ALL GROUND CONDUCTORS SHALL BE #2 AWG, BARE, TINNED, SOLID COPPER GROUND CONDUCTOR UNLESS NOTED OTHERWISE.
- GROUNDING CONNECTIONS TO THE GROUND BAR 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 ANTIOXIDANT 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. 90 DEGREE BENDS ARE PROHIBITED.
- GROUND CONDUCTORS ABOVE GRADE SHALL BE #2 AWG, GREEN INSULATED, STRANDED COPPER CONDUCTOR UNLESS NOTED OTHERWISE.
- REFER TO GROUNDING PLAN FOR GROUND BAR LOCATIONS. GROUNDING CONNECTIONS SHALL BE EXOTHERMIC TYPE (CADWELD) TO ANTENNA MOUNTS AND GROUND RING. REMAINING GROUNDING CONNECTIONS SHALL BE COMPRESSION FITTINGS. CONNECTION TO GROUND BARS SHALL BE MADE WITH TWO-HOLE LUGS.
- 10 THE GROUND ELECTRODE SYSTEM SHALL CONSIST OF DRIVEN GROUND RODS POSITIONED ACCORDING TO GROUNDING PLAN. THE GROUND RODS SHALL BE 5/8" X 10'-0" COPPER CLAD STEEL INTERCONNECTED WITH #2, BARE, TINNED. SOLID COPPER WIRE BURIED 36" BELOW GRADE. GROUND RODS SHALL BE SPACED A MAXIMUM OF 15' APART, AND A MINIMUM OF 8' APART.
- 11 IF ROCK IS ENCOUNTERED GROUND RODS SHALL BE PLACED AT AN OBLIQUE ANGLE NOT TO EXCEED
- 12 EXOTHERMIC WELDS SHALL BE MADE IN ACCORDANCE WITH ERICO PRODUCTS BULLETIN A-AT.
- 13 CONSTRUCTION OF GROUND RING AND CONNECTIONS TO EXISTING GROUND RING SYSTEM SHALL BE DOCUMENTED WITH PHOTOGRAPHS PRIOR TO BACKFILLING THE SITE. PROVIDE PHOTOS TO THE T-MOBILE CONSTRUCTION MANAGER.
- 14 GROUND RING AND CONNECTIONS TO IT SHALL BE #2 AWG, SOLID, BARE, TINNED, COPPER WIRE. EQUIPMENT GROUND CONNECTIONS TO MGB SHALL BE #2 AWG, STRANDED, INSULATED WIRE
- 15 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 BAR. APPLY KOPR-SHIELD OR EQUAL
- 16 ENGAGE AN INDEPENDENT ELECTRICAL TESTING FIRM TO TEST AND VERIFY THAT IMPEDANCE DOES NOT EXCEED FIVE (5) OHMS TO GROUND BY MEANS OF "FALL OF POTENTIAL TEST". TEST SHALL BE WITNESSED BY A T-MOBILE REPRESENTATIVE AND RECORDED ON THE "GROUND RESISTANCE TEST FORM".
- 17 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.
- 18 PREPARE ALL BONDING SURFACES FOR GROUNDING CONNECTIONS BY REMOVING ALL PAINT AND CORROSION DOWN TO SHINY METAL. FOLLOWING CONNECTION. APPLY APPROPIATE ANTI-OXIDIZATION
- 19 ANY SITE WHERE THE EQUIPMENT (BTS, CABLE BRIDGE, PPC, GENERATOR, ETC.) IS LOCATED WITH-IN 6'-0" OF METAL FENCING, THE GROUND RING SHALL BE BONDED TO THE NEAREST FENCE POST USING THREE (3) RUNS OF #2, BARE, TINNED, SOLID, COPPER WIRE.
- 20 TOWER BASE BUSS BAR REQUIRES TWO (2) SOLID LEADS CADWELD TO THE BUSS BAR.
- 21 MAIN EQUIPMENT BUSS BAR REQUIRES TWO (2) SOLID LEADS CADWELD TO IT AND THE GROUND RING.
- 22 ALL SOLID LEADS TERMINATED TO EITHER A BUSS BAR OR EQUIPMENT SHALL BE PROTECTED WITH CARFLEX.
- 23 ALL SOLID GROUND LEADS NOT BEING USED SHALL BE COILED UP (PIGTAILS) FOR FUTURE USE AS NEEDED.
- 24 5 OHMS TO GROUND IS REQUIRED FOR ACCEPTANCE. PHOTOS OF THE TESTS ARE REQUIRED AS WELL AS TEST RESULTS IN FORMAL DOCUMENTATION FORMAT

#### **ELECTRICAL NOTES**

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER AND SHALL BE IN STRICT ACCORDANCE WITH THE LATEST NATIONAL ELECTRICAL CODE AND ALL STATE AND LOCAL CODES. ALL WORK IS SUBJECT TO THE APPROVAL OF THE T-MOBILE REPRESENTATIVE.
- THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND SHALL PAY ALL ASSOCIATED
- 3 THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL SPECIFIED MATERIALS AND
- CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES AND ALL OTHER SCHEDULING AND PROVISIONARY CIRCUMSTANCES SURROUNDING THE PROJECT.
- WIRE, UNLESS OTHERWISE INDICATED, SHALL BE 600 VOLT, TYPE THWN/THHN INSULATION FOR EXTERIOR USE. CONDUCTORS SHALL BE SIZED AND RUN AS INDICATED. CONDUCTORS SHALL BE SOFT DRAWN COPPER OF NOT LESS THAN 98% CONDUCTIVITY. MINIMUM CONDUCTOR SIZE IS #12 UNLESS NOTED OTHERWISE.
- THE ENTIRE SYSTEM SHALL BE SOLIDLY GROUNDED USING DOUBLE LOCKNUTS ON CONDUITS AND PROPERLY BONDED GROUND CONDUCTORS.
- SUBMITTAL OF BIDS INDICATES THAT THE CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PREFORMED UNDER THIS CONTRACT.
- 8 ALL ELECTRICAL EQUIPMENT EXPOSED TO WEATHER SHALL BE PROTECTED IN NEMA 3R
- ALL ELECTRICAL EQUIPMENT SHALL BE LABELED WITH PERMANENT ENGRAVED PHENOLIC PLASTIC NAMEPLATES. PPC, METER, DISCONNECT, RAC35, PBC05, AND HF JUNCTION BOX. BACKGROUND SHALL BE BLACK WITH WHITE LETTERS; EXCEPT AS REQUIRED BY CODE TO
- TELEPHONE AND ELECTRIC UTILITY COMPANIES IN THE FIELD.
- 11 CONTRACTOR SHALL UPDATE PANEL SCHEDULES AND IDENTIFY ALL MISCELLANEOUS CIRCUITS NOT INDICATED ON SCHEDULES.
- 12 CONTRACTOR SHALL PERFORM ALL VERIFICATIONS, OBSERVATION TESTS, AND EXAMINATION WORK PRIOR TO ORDERING OF ANY EQUIPMENT AND THE ACTUAL PROJECT MANAGER LISTING ALL THE MALFUNCTIONS, FAULTY EQUIPMENT AND DISCREPANCIES.
- 13 THESE PLANS ARE DIAGRAMMATIC ONLY. FOLLOW AS CLOSELY AS POSSIBLE
- 14 CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT INSTALLATION CONSTRUCTION TOOLS, TRANSPORTATION, ETC. FOR COMPLETE AND INDICATED ON DRAWINGS. AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
- 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 UL AND SHALL BEAR THE INSPECTION LABEL "J" WHERE SUBJECT TO SUCH APPROVAL. MATERIALS SHALL MEET THE 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.
- A. RIGID CONDUIT SHALL BE UL LABELED GALVANIZED ZINC COATED WITH ZINC INTERIOR AND SHALL BE USED WHEN INSTALLED WHEN EXPOSED TO EXTERIOR ELEMENTS. RIGID
- GLAND RING COMPRESSION TYPE. EMT SHALL BE USED FOR INTERIOR RUNS ONLY. C. LIQUID TIGHT FLEXIBLE METAL CONDUIT SHALL BE UL LISTED AND SHALL BE USED AT
- FINAL CONNECTIONS TO MECHANICAL EQUIPMENT & RECTIFIERS AND WHERE PERMITTED BY CODE. ALL CONDUIT IN EXCESS OF SIX FEET SHALL CONTAIN A FULL SIZE GROUND CONDUCTOR.
- 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 INSTALLATION.
- INSTALLATIONS. PROVIDE UV-RESISTANT CONDUIT WHERE EXPOSED TO THE ATMOSPHERE ATMOSPHERE. PROVIDE A GROUND CONDUCTOR IN ALL PVC RUNS; EXCEPT WHERE PERMITTED BY CODE TO OMIT.
- 17 ENTIRE JOB SHALL BE GAURANTEED 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
- 18 THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED IN ACCORDANCE WITH NEC 250 & 810 AND THE UTILITY COMPANY STANDARDS.
- 19 COORDINATE WITH UTILITY COMPANY OR PROPERTY OWNER FOR CONNECTION OF HOOKUP COSTS SHALL BE PAID BY THE CONTRACTOR.
- INTERRUPTING RATING (AIC) NOT LESS THAN THE MAXIMUM CURRENT TO WHICH THEY
- 21 RED-LINED AS-BUILT PLANS SHALL BE PROVIDED TO THE CONSTRUCTION MANAGER.

- CHARGES. CONTRACTOR SHALL ARRANGE FOR ALL INSPECTIONS.
- EQUIPMENT. ALL MATERIALS SHALL BE U.L. LISTED.

- FOLLOW A DIFFERENT SCHEME.
- 10 CONTRACTOR SHALL COORDINATE FINAL SERVICE TERMINATION LOCATIONS WITH
- CONSTRUCTION. CONTRACTOR SHALL ISUUE A WRITTEN NOTICE OF ALL FINDINGS TO THE
- CONSTRUCTION. CONTRACTOR SHALL ISUUE A WRITTEN NOTICE OF ALL FINDINGS TO THE FUNCTIONALLY OPERATING SYSTEMS ENERGIZED AND READY TO USE THROUGHOUT AS
- 15 ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN
- 16 CONDUIT: ALL ABOVE GRADE CONDUITS SHALL BE RIGID & LFMC TO 6' AS STATED BELOW
- B. ELECTRICAL METALLIC TUBING (EMT) SHALL HAVE UL LABEL, FITTINGS SHALL BE
- D. CONDUIT RUNS SHALL BE SURFACE MOUNTED ON CEILINGS OR WALLS UNLESS NOTED
- E. PVC CONDUIT MAY BE PROVIDED ONLY WHERE SHOWN, OR IN UNDERGROUND
- THE EXPENSE OF THE CONTRACTOR.
- TEMPORARY AND PERMANENT POWER TO THE SITE. THE TEMPORARY POWER AND ALL
- 20 ALL CIRCUIT BREAKERS, FUSES, AND ELECTRICAL EQUIPMENT SHALL HAVE AN

T-MOBILE NORTHEAST LLC

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DRAWN BY: FVB WGJ/FVB DESIGNED BY: 01/06/2022 ORIGINAL DATE: TEI PROJECT #: 21130U DESIGN SCALE: AS NOTED



Know what's **below.** Call before you dig. PROTECT YOURSELF, GIVE THREE WORKING DAYS NOTICE THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPULANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERE TO APPURTENANT.

SHEET TITLE

GENERAL **NOTES** 

SHEET NUMBER

TEI#21130U

