

PERMIT NUMBER: B

21003415

DATE ACCEPTED:

COMMERCIAL BUILDING PERMIT APPLICATION			
HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES, AND PERMITS			
3430 COURT HOUSE DRIVE, ELLICOTT CITY, MD 21043 - PHONE: (410) 313-2455 OPTION #4			
www.howardcountymd.gov			
<b>BUILDING SITE ADDRESS REQUIRED</b>			
Street Address: 15298 N UNION CHAPEL ROAD			Unit:
City: WOODBINE		State: MD	Zip Code: 21797
Subdivision/Village/Complex Name: 1003			
Lot: PAR A	Tax Map: 0014	Parcel: 0242	Grading Permit #:
<b>DESCRIPTION OF WORK REQUIRED</b>			
Existing Use: Telecom Equipment Compound		Proposed Use: Telecom Equipment Compound	Estimated Cost: \$15,000
Trade Work to Be Completed (Separate Permits Required): <input type="checkbox"/> Mechanical (HVACR) <input checked="" type="checkbox"/> Electrical <input type="checkbox"/> Plumbing <input type="checkbox"/> None			
T-Mobile proposes to install (1) 48KW AC Diesel generator on an existing concrete equipment pad at an existing telecommunications fenced equipment compound			
<b>PROPERTY OWNER INFORMATION REQUIRED</b>			
Owner(s) Name(s) (As it appears on tax records): OLDE HOME FARM LLC			
Owner's Street Address: 15298 UNION CHAPEL RD			
City: WOODBINE		State: MD	Zip Code: 21797
Phone:		Email:	
<b>TENANT INFORMATION REQUIRED</b>			
Business Name: T-MOBILE		Contact Name:	
Street Address: 12050 BALTIMORE AVE			
City: BELTSVILLE		State: MD	Zip Code:
Phone: 240-264-8600		Email:	
<b>APPLICANT NAME REQUIRED - INDIVIDUAL WHO SIGNS THIS APPLICATION</b>			
Business Name: SMARTLINK GROUP		Contact Name: SONYA HEMPHILL	
Street Address: 1362 MELLON RD			
City: HANOVER		State: MD	Zip Code: 21076
Phone: 410-582-8043		Email: sonya.hemphill@smartlinkgroup.com	
<b>CONTRACTOR INFORMATION REQUIRED</b>			
Business Name: TBD (site has not been bid yet)			
Licensee's Name:		License #:	
Street Address:			
City:		State:	Zip Code:
Phone:		Email:	
<b>ARCHITECT/ENGINEER INFORMATION REQUIRED - INDIVIDUAL WHO SIGNED PLANS</b>			
Business Name: TELEGENT ENGINEERING INC		Name: TIMOTHY SMIDT	
Street Address: 2216 COMMERCE RD			
City: FOREST HILLS		State: MD	Zip Code: 21050
Phone: 410-692-5816		Email: RSMIDT@TEL-ENG.COM	
<b>BUILDING CHARACTERISTICS (PLEASE SELECT/COMPLETE ALL THAT APPLY)</b>			
Utilities: <input type="checkbox"/> Electric <input type="checkbox"/> Gas		Water Supply: <input type="checkbox"/> Public <input type="checkbox"/> Private (Well)	
Sewage Disposal: <input type="checkbox"/> Public <input type="checkbox"/> Private (Septic)		Heating System: <input type="checkbox"/> Electric <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane <input type="checkbox"/> Other:	
Roadside Tree Project: <input type="checkbox"/> No <input type="checkbox"/> Yes: #		Sprinkler System: <input type="checkbox"/> NFPA 13 <input type="checkbox"/> NFPA 13R <input type="checkbox"/> None	
Fire Alarm System: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Voice Evac		<b>ADDITIONAL COMMERCIAL INFORMATION (PLEASE SELECT/COMPLETE ALL THAT APPLY)</b>	
Area of Construction: 144 sq ft		Gross Area: 144 sq ft	Height: ft # of Stories:
Construction Classification(s): IIB		Use Group: U	
Was the tenant space previously occupied? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Shell Building Permit # (for interior completions):	
<b>ADDITIONAL MULTI-FAMILY INFORMATION IF APPLICABLE</b>			
# of efficiency units (MF):		# of 1 BR (MF):	# of 2 BR (MF):
# of 3 BR (MF):		Energy Method: <input type="checkbox"/> Performance <input type="checkbox"/> UA Alternative <input type="checkbox"/> ERI <input type="checkbox"/> A 90.1	
Gross Area: sq ft		Occupiable Area: sq ft	
<b>AGREEMENT/ DISCALIMER REQUIRED</b>			
THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS HOWARD COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.			
APPLICANT'S ORIGINAL SIGNATURE: <i>Sonya Hemphill</i>		DATE SIGNED: 3/2/22	
<b>FOR OFFICE USE ONLY</b>			
CHECKS PAYABLE TO: DIRECTOR OF FINANCE OF HOWARD COUNTY			
AGENCIES REQUIRED/APPROVALS:			
<input type="checkbox"/> DPR	<input type="checkbox"/> DPZ	<input type="checkbox"/> DED	<input type="checkbox"/> Health <input type="checkbox"/> SHA <input type="checkbox"/> CID
SUBMITTAL FEES: \$110.00		PAYMENT: online	
ACCEPTED BY: <i>[Signature]</i>		No objection 3/8 3/25/22	
No redline or alternative compliance			



# T-Mobile

T-MOBILE NORTHEAST LLC  
SITE ID: 7BAN581A  
SITE NAME: OLDE HOME FARM - SILO  
PROJECT: HARDENING  
15298 UNION CHAPEL ROAD  
WOODBINE, MARYLAND 21797  
HOWARD COUNTY

COPYRIGHT ADC THE MAP PEOPLE  
PERMITTED USE NUMBER 20506142  
HOWARD COUNTY  
ADC MAP NO. 8 GRID: J-4

## SITE INFORMATION

SCOPE OF WORK: (1) PROPOSED 120/240 VOLT, 1Ø KOHLER 40 KW 40REOZK AC DIESEL GENERATOR WITH 237 GALLON UL 142 FUEL TANK  
(1) PROPOSED KOHLER KCS SERIES, 240 VOLT RATED, 1Ø, 2 POLE, 200 AMP NEMA 3R AUTOMATIC TRANSFER SWITCH  
(1) PROPOSED GENERATOR ON EXISTING EQUIPMENT PAD  
(1) PROPOSED 4' WIDE ACCESS GATE IN EXISTING FENCE

PROJECT DESIGN: HARDENING

SITE ID NUMBER: 7BAN581A  
911 SITE ADDRESS: 15298 UNION CHAPEL ROAD  
WOODBINE, MARYLAND 21797

SITE COORDINATES: LAT. = N 39° 17' 40.41"  
LONG. W 77° 2' 45.96"  
HOWARD COUNTY, MARYLAND  
RCDEO AGRICULTURAL

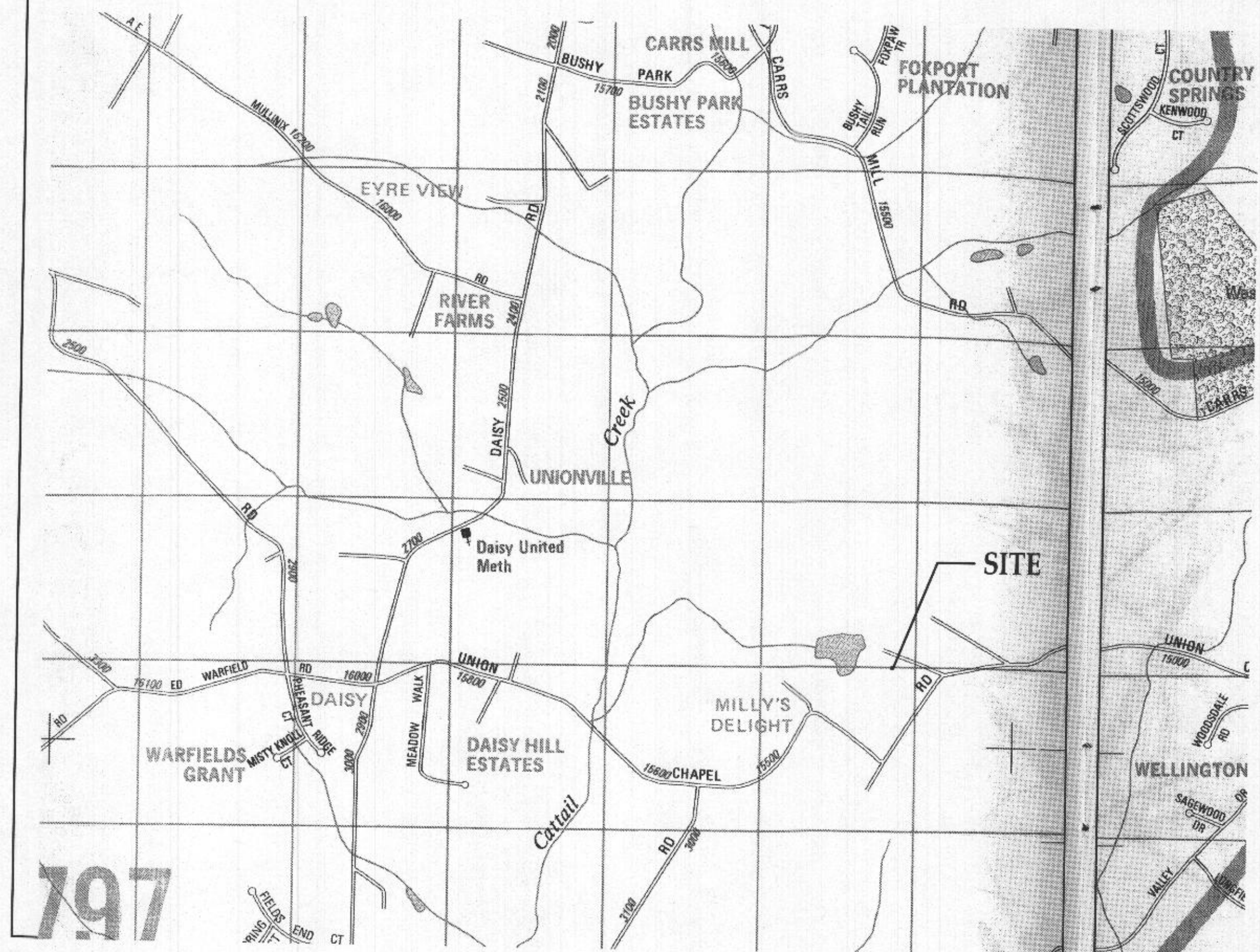
JURISDICTION: HOWARD COUNTY, MARYLAND  
ZONING: RCDEO  
EXISTING USE: AGRICULTURAL

TAX ACCOUNT NUMBER: 352084  
PARCEL AREA: 47.49 AC  
PARCEL OWNER: OLD HOME FARM LLC  
ADDRESS: 15298 UNION CHAPEL ROAD  
WOODBINE, MARYLAND 21797

GROUND ELEVATION: 528± AMSL (AVG)

STRUCTURE TYPE: EXISTING SILO  
STRUCTURE USE GROUP: UTILITY (U)  
PROPOSED WORK USE GROUP: UTILITY (U)

## VICINITY PLAN



## INDEX OF DRAWINGS

CS-1	COVER SHEET
GN-1	GENERAL STRUCTURAL NOTES
GN-2	GENERAL NOTES
C-1	SITE PLAN
C-2	COMPOUND PLAN
S-1	STRUCTURAL DETAILS
E-1	EQUIPMENT POWER PLAN, POWER RISER, AND NOTES
E-2	ELECTRICAL SYMBOLS LIST, DETAILS, AND SCHEDULE
E-3	DETAILS
E-4	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

	DATE	APPROVED	APPROVED AS NOTED	DISAPPROVED/REVISE
PROPERTY OWNER		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SITE ACQUISITION		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CONSTRUCTION MANAGER		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ZONING		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

RECEIVED  
MAR 09 2022

LICENSES & PERMITS  
DIVISION

T-Mobile  
T-MOBILE NORTHEAST LLC

12050 BALTIMORE AVENUE  
BELTSVILLE, MARYLAND 20705  
OFFICE: (240) 264-8600  
FAX: (240) 264-8610



TELEAGENT ENGINEERING INC.  
2216 Commerce Road, Suite 1  
Forest Hill, MD 21050  
410-692-5816  
www.tei-eng.com

SITE ID:  
7BAN581A  
SITE NAME:  
OLDE HOME FARM - SILO  
ADDRESS:  
15298 UNION CHAPEL ROAD  
WOODBINE, MD 21797  
LAT. N 39.294559° LONG. W -77.046101°  
HOWARD COUNTY

## REVISION BLOCK

NO.	DESCRIPTION	DATE
4	FINAL DWGS	02/25/22
3	GENERATOR REV	02/23/22
2	FINAL DWGS	08/19/21
1	REVIEW DWGS	08/18/21



## 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. 21685, EXPIRATION DATE: MAY 8, 2023.

DRAWN BY: RFS  
DESIGNED BY: WGJ/RFS  
ORIGINAL DATE: 08/18/2021  
TEI PROJECT #: 21100D  
DESIGN SCALE: AS NOTED



Know what's below.  
Call before you dig.

PROTECT YOURSELF, ONE THREE WORKING DAYS NOTICE  
THIS DRAWING DOES NOT INCLUDE NECESSARY CONSIDERATIONS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERE TO APPLICABLE.

## SHEET TITLE

COVER  
SHEET

## SHEET NUMBER

CS-1



STRUCTURAL NOTES

BUILDING CODES

- A. 2021 INTERNATIONAL BUILDING CODE (IBC-2021)  
B. IN ADDITION, ALL CONSTRUCTION SHALL CONFORM WITH ANY GOVERNING LOCAL BUILDING CODES NOT INDICATED.

DESIGN LOAD

- A. THE DESIGN DEAD LOADING FOR ALL FRAMING IS BASED ON THE CONSTRUCTION MATERIALS SHOWN ON THE DRAWINGS AND INDICATED IN THE SPECIFICATIONS.  
B. THE MINIMUM DESIGN LOADING FOR ALL FRAMING IS AS FOLLOWS:  
WIND LOAD: BASIC WIND SPEED (ULTIMATE 3-SECOND GUST): 113 MPH  
BASIC WIND SPEED (NOMINAL 3-SECOND GUST): 87.5 MPH  
RISK CATEGORY: II  
WIND EXPOSURE CATEGORY: C  
C. THE CONTRACTOR SHALL NOT STORE ANY CONSTRUCTION MATERIALS OR UNDERTAKE ANY CONSTRUCTION OPERATION WHICH WILL EXCEED THE DESIGN LIVE LOADINGS NOTED.  
D. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, INSTALLATION AND REMOVAL OF TEMPORARY BRACING AND CONSTRUCTION SUPPORTS FOR NEW AND EXISTING STRUCTURES, AS REQUIRED TO COMPLETE THE PROJECT. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR THE METHOD OF CONSTRUCTION AND SHALL PROVIDE ALL TEMPORARY BRACING AND SHORING REQUIRED TO MAINTAIN THE STABILITY OF THE STRUCTURE AND TO SUPPORT CONSTRUCTION LOADS DURING CONSTRUCTION. CONTRACTOR SHALL RETAIN STRUCTURAL ENGINEER LICENSED IN THE STATE IN WHICH PROJECT IS LOCATED TO DESIGN TEMPORARY BRACING AND CONSTRUCTION SUPPORTS.  
E. DO NOT PLACE ANY STRUCTURES (ELECTRICAL CONDUIT, TELECOMMUNICATIONS OR SIGNAL WIRE, OPERABLE DEVICES, FLUID LINES, ETC) WITHIN NINE (9) INCHES OF THE UNDERSIDE OF THE ROOF AS THESE MAY BE COMPROMISED BY ROOFING SCREWS AT SOME FUTURE DATE FROM ROOF REPLACEMENT. THE APPROVED METHOD OF SUSPENSION IS FROM BUILDING STRUCTURAL STEEL, INCLUDING THOSE MEMBERS SUPPORTING THE ROOF.

MISCELLANEOUS

- A. THE CONTRACTOR SHALL REVIEW THE CIVIL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR LOCATION AND DIMENSION OF CHASES, INSERTS, OPENINGS, SLEEVES, DEPRESSIONS AND OTHER PROJECT REQUIREMENTS WHICH IMPACT THE STRUCTURAL COMPONENTS. THE STRUCTURAL CONSTRUCTION DRAWINGS DO NOT SHOW ALL OPENINGS REQUIRED. ADDITIONAL OPENINGS, BLOCKOUTS AND SLEEVES MAY BE REQUIRED BY OTHER DISCIPLINES AND SHALL BE CONSTRUCTED USING THE TYPICAL DETAILS AND/OR CRITERIA INDICATED THE STRUCTURAL DRAWINGS. OPENINGS REQUIRED BUT NOT SHOWN ON THE STRUCTURAL DRAWINGS MUST BE APPROVED BY THE STRUCTURAL ENGINEER.  
B. IN CASES OF CONFLICT BETWEEN THE DRAWINGS AND/OR SPECIFICATIONS AND OTHER DISCIPLINES OR EXISTING CONDITIONS, CONTRACTOR SHALL NOTIFY THE DESIGN PROFESSIONALS AND OBTAIN CLARIFICATION PRIOR TO BIDDING AND PROCEEDING WITH WORK.  
C. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS SHOWN ON THE CONTRACT DRAWINGS BEFORE PROCEEDING WITH CONSTRUCTION. ALL DISCREPANCIES AND OMISSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.  
D. THE CONTRACTOR SHALL NOT SUBMIT REPRODUCTIONS OF THE STRUCTURAL CONTRACT DOCUMENTS AS SHOP DRAWINGS.  
E. SCALES SHOWN ON THE STRUCTURAL CONTRACT DRAWINGS ARE FOR GENERAL INFORMATION ONLY. DIMENSIONAL INFORMATION SHALL NOT BE OBTAINED BY SCALING THE DRAWINGS.  
F. APPLY DETAILS, SECTIONS AND NOTES ON THE DRAWINGS WHERE CONDITIONS ARE SIMILAR TO THOSE INDICATED BY DETAIL, DETAIL TITLE OR NOTE.  
G. ASSUME EQUAL SPACING BETWEEN ESTABLISHED DIMENSIONS, IF NOT INDICATED ON DRAWINGS.  
H. CENTERLINES OF COLUMNS COINCIDE WITH GRID LINE INTERSECTIONS, UNLESS NOTED OTHERWISE.  
I. CENTERLINES OF FRAMING MEMBERS COINCIDE WITH COLUMN CENTERLINES, UNLESS OTHERWISE NOTED.  
J. THE CONTRACTOR SHALL VERIFY THAT CONSTRUCTION LOADS DO NOT EXCEED THE CAPACITY OF THE STRUCTURE AT THE TIME THE LOAD IS APPLIED.  
K. PROVIDE SHORING AND PROTECTION FOR EXCAVATION BANKS AS NECESSARY TO PREVENT CAVING AND COMPLY WITH ALL APPLICABLE OSHA RULES AND REGULATIONS.  
L. SHOP DRAWINGS FOR ALL STRUCTURAL ELEMENTS SHOWN ON THE CONTRACT DOCUMENTS MUST BE SUBMITTED BY THE CONTRACTOR OR OWNER FOR REVIEW BY THE ENGINEER. IF THE CONTRACTOR OR OWNER FAILS TO SUBMIT THE SHOP DRAWINGS, THE ENGINEER WILL NOT BE RESPONSIBLE FOR STRUCTURAL CERTIFICATION AND DESIGN OF THE PROJECT. THE SHOP DRAWINGS SHALL INDICATE ANY DEVIATIONS OR OMISSIONS FROM THE CONTRACT DOCUMENTS. THE GENERAL CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMISSION AND MAKE ALL CORRECTIONS DEEMED NECESSARY.

STRUCTURAL AND MISCELLANEOUS STEEL

- A. ALL STEEL CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE AISC STEEL CONSTRUCTION MANUAL "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" (ANSI/AISC 360) AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".  
B. ALL STRUCTURAL STEEL WIDE FLANGE SHAPES, AND SHAPES CUT THEREOF, SHALL CONFORM TO ASTM A992 (Fy = 50 KSI).  
C. ALL MISCELLANEOUS STEEL (PLATES) SHALL CONFORM TO ASTM A36 (Fy = 36 KSI).  
D. ALL PIPE SHALL CONFORM TO ASTM A53, GRADE B (Fy = 35 KSI).  
E. WHERE NO CAMBER IS INDICATED, FABRICATE BEAMS SO THAT ANY NATURAL CAMBER IS UPWARD AFTER ERECTION.  
F. ALL BEAM CONNECTIONS SHALL BE DESIGNED FOR THE MAXIMUM OF 30% OF THE UNIFORM LOAD CAPACITY OF THE MEMBER (LATERALLY SUPPORTED) OR THE SHEAR CAPACITY OF THE WEB, WITH DUE CONSIDERATION OF CONCENTRATED LOADS. BOLTED CONNECTIONS SHALL USE NO LESS THAN TWO 3/4" DIA ASTM A325 OR A490 HIGH STRENGTH BOLTS. CONFORM TO AISC SPECIFICATION "STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".  
G. UNLESS NOTED OTHERWISE, DETAILS INDICATED ON THE DRAWINGS INDICATE GENERAL CRITERIA FOR DESIGN AND DETAILING OF THE CONNECTIONS. DETAILS INDICATED ON DRAWINGS ARE NOT INTENDED TO CONVEY COMPLETE CONNECTOR SIZES, PLATE SIZES, WELD SIZES, NUMBER OF BOLTS OR ANY OTHER SPECIFIC INFORMATION THAT IS OBTAINED THROUGH DESIGNING OF AN INDIVIDUAL CONNECTION FOR A GIVEN SET OF LOADS. THESE DETAILS DO NOT SHOW ERECTION AIDS. PROVIDE ERECTION AIDS AS REQUIRED AND REMOVE THEM AFTER WORK IS COMPLETE.  
H. ALL WELDED CONNECTIONS SHALL USE E70XX ELECTRODES.  
I. ALL NUTS SHALL CONFORM TO ASTM A563. ALL WASHERS SHALL CONFORM TO ASTM F436.  
J. ALL CONNECTIONS, UNLESS OTHERWISE NOTED, SHALL BE DOUBLE ANGLE OR SINGLE PLATE SHEAR CONNECTIONS DESIGNED AND DETAILED IN ACCORDANCE WITH THE AISC MANUAL OF STEEL CONSTRUCTION WITH A MINIMUM EDGE DISTANCE OF 1 1/2 INCHES AND BOLT SPACING OF 3 INCHES.  
K. ALL SHOP AND FIELD WELDS SHALL BE PERFORMED BY CERTIFIED WELDERS AND CONFORM TO THE AMERICAN WELDING SOCIETY CODE FOR BUILDINGS AWS D1.1. WELDS SHALL DEVELOP THE FULL STRENGTH OF MATERIALS BEING WELDED UNLESS OTHERWISE INDICATED.  
L. ALL CONNECTIONS TO EXISTING STEEL FRAMING SHALL BE FIELD BOLTED UNLESS OTHERWISE INDICATED. THE CONTRACTOR MAY SUBSTITUTE WELDED CONNECTIONS PROVIDED THE EXISTING STEEL IS TESTED TO DETERMINE STRENGTH AND CHEMICAL PROPERTIES. TEST METHODS AND RESULTS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO ANY FIELD WELDING TO EXISTING STEEL.  
M. THE CONTRACTOR SHALL NOT SPLICE OR CUT OPENINGS IN STEEL MEMBERS NOT SHOWN ON CONTRACT DRAWINGS WITHOUT THE PERMISSION OF THE STRUCTURAL ENGINEER.  
N. AN INDEPENDENT INSPECTION AGENCY SHALL INSPECT ALL STRUCTURAL STEEL AND VERIFY THAT IT CONFORMS TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. FIELD INSPECTION REPORTS SHALL BE SUBMITTED TO THE ENGINEER WITHIN 5 DAYS OF THE INSPECTION. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY OF ALL PHASES OF STEEL CONSTRUCTION AND WELDING.

- O. STEEL MEMBERS, FABRICATIONS AND ASSEMBLIES EXPOSED TO WEATHER OR INDICATED TO BE GALVANIZED SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123 AFTER FABRICATION. ALL BOLTS, SCREWS, WASHERS, AND NUTS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM F2329.  
P. PROVIDE HOLES IN STEEL AS REQUIRED TO PREVENT ANY ACCUMULATION OF WATER. ALL PENETRATIONS THROUGH MAIN MEMBERS SHALL NOT EXCEED 1/2" DIA AND SHALL BE GROUND SMOOTH. THESE DRAINS MUST BE KEPT CLEAN AND OPEN.  
Q. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS INDICATING THE SIZES, EXTENT, AND LOCATION OF ALL STRUCTURAL AND MISCELLANEOUS STEEL FRAMING INCLUDING ALL CONNECTIONS, FASTENERS, AND BEARINGS.  
R. SHOW ALL COPIES, HOLES, OPENINGS AND MODIFICATIONS REQUIRED IN STRUCTURAL STEEL MEMBERS FOR ERECTION OR THE WORK OF OTHER TRADES ON THE SHOP DRAWINGS FOR APPROVAL BY THE ARCHITECT AND STRUCTURAL ENGINEER.

CAST IN PLACE CONCRETE

- A. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301)"; AND TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318)".  
B. IN ADDITION TO THE ABOVE, ALL CONCRETE WORK SHALL CONFORM TO THE FOLLOWING:  
RECOMMENDED PRACTICE FOR HOT WEATHER CONCRETING (ACI 305).  
RECOMMENDED PRACTICE FOR COLD WEATHER CONCRETING (ACI 306).  
RECOMMENDED PRACTICE FOR CONCRETE FORMWORK (ACI 347).  
STANDARD SPECIFICATION FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS (ACI 117).  
CHEMICAL ADMIXTURES FOR CONCRETE (ACI 212.3).  
STANDARD SPECIFICATION FOR CURING CONCRETE (ACI 308.1).  
C. ALL CONCRETE EXPOSED TO PUBLIC VIEW SHALL CONFORM TO THE REQUIREMENTS FOR ARCHITECTURAL CONCRETE CONTAINED IN ACI 301.  
D. ALL CONCRETE, UNLESS NOTED OTHERWISE, SHALL BE STONE AGGREGATE CONCRETE HAVING A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,500 PSI. ALL CONCRETE EXPOSED TO WEATHER SHALL HAVE AN AIR ENTRAINMENT OF 6% +/- 1%. NO ADMIXTURES CONTAINING CALCIUM CHLORIDE SHALL BE PERMITTED. MAXIMUM AGGREGATE SIZE SHALL BE 1", AND MAXIMUM SLUMP SHALL BE 4". ALL CONCRETE, EXCEPT FOOTINGS, SHALL CONTAIN A WATER REDUCING ADMIXTURE. PORTLAND CEMENT SHALL CONFORM TO ASTM C150 AND NORMAL WEIGHT AGGREGATES SHALL CONFORM TO ASTM C33.  
E. ALL CONCRETE MIX DESIGNS, INCLUDING CEMENT CONTENT, WATER CEMENT RATIO, FINE AND COARSE AGGREGATE CONTENT AND ALL ADMIXTURES, SHALL BE REVIEWED BY ENGINEER PRIOR TO PLACING FIRST CONCRETE.  
F. ALL CONCRETE SHALL BE SAMPLED AND TESTED BY THE TESTING AGENCY. THE CONTRACTOR SHALL NOTIFY THE TESTING AGENCY 48 HOURS PRIOR TO THE PLACING OF ANY CONCRETE. TESTING SHALL BE IN ACCORDANCE WITH ASTM C172.  
G. THE CONCRETE STRUCTURE SHALL NOT SUPPORT THE DESIGN LIVE LOAD FOR A MINIMUM OF 28 DAYS AND ALL SHORING AND RE-SHORING REQUIRED TO SUPPORT THE CONCRETE STRUCTURE DURING CONSTRUCTION SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR. SHOP DRAWINGS, SIGNED AND SEALED BY A REGISTERED ENGINEER IN THE STATE OF MARYLAND, SHALL BE SUBMITTED FOR REVIEW. SHOP DRAWINGS SHALL INDICATE THE TYPE, EXTENT, SIZE, AND LOCATION OF ALL SHORING AND RE-SHORING AS WELL AS THE SEQUENCE OF CONSTRUCTION.  
H. GROUND BLAST FURNACE SLAG MAY BE USED TO REPLACE UP TO 50 PERCENT OF THE PORTLAND CEMENT IN A CONCRETE MIX, AND FLY ASH OR POZZOLAN MAY BE USED TO REPLACE UP TO 25 PERCENT OF PORTLAND CEMENT, SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER AND SHALL CONFORM TO ASTM C695.  
I. ALL REINFORCING BARS SHALL BE NEW BILLET STEEL CONFORMING TO ASTM A615 GRADE 60 (Fy = 60 KSI).  
J. LAP ALL REINFORCING BARS A MINIMUM OF 48 BAR DIAMETERS, UNLESS OTHERWISE INDICATED.  
K. ALL REINFORCING SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE CRSI "MANUAL OF STANDARD PRACTICE", ACI 315' DETAILS AND DETAILING OF CONCRETE REINFORCEMENT", ACI SP 08 "DETAILING MANUAL".  
L. MINIMUM COVER FOR ALL REINFORCING SHALL BE AS FOLLOWS UNLESS OTHERWISE INDICATED:  
SLAB-ON-GRADE 3 INCHES (TOP, BOTTOM, & SIDES)  
M. ALL CAST-IN-PLACE CONCRETE WILL EXPERIENCE DIFFERING VARIATIONS OF CRACKING. ANY ELEMENT EXPOSED TO DIRECT WEATHER AND/OR TEMPERATURE VARIATIONS DURING CONSTRUCTION OR IN THE FINAL CONDITION IS TO BE TREATED AND REGULARLY MAINTAINED TO PREVENT PROPAGATION OF CRACKS AND WATER INFILTRATION. THE CONTRACTOR SHALL DEVELOP A REGULAR MAINTENANCE PROGRAM AND SUBMIT IT TO THE OWNER.  
N. ALL CONCRETE CONSTRUCTION SHALL BE INSPECTED IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE.

T-Mobile  
T-MOBILE NORTHEAST LLC

12050 BALTIMORE AVENUE  
BELTSVILLE, MARYLAND 20705  
OFFICE: (240) 264-8600  
FAX: (240) 264-8610



MORRIS & RITCHE  
ASSOCIATES, INC.

Civil / Structural Engineers  
1220-B East Joppa Road, Suite 400K  
Towson, Maryland 21286  
Office: (410) 821-1690  
Fax: (410) 821-1748

SITE ID:  
7BAN581A  
SITE NAME:  
OLDE HOME FARM - SILO

SITE ADDRESS:  
15298 UNION CHAPEL ROAD,  
WOODBINE, MD 21797  
HOWARD COUNTY

REVISION BLOCK

NO.	DESCRIPTION	DATE
4	FINAL DWGS.	02/25/22
3	GENERATOR REV	02/23/22
2	FINAL DWGS.	08/19/21



9/11/2022

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 37729, EXPIRATION DATE: 07/09/2023.

DRAWN BY: SM  
DESIGNED BY: JT  
ORIGINAL DATE: 08/17/2021  
MRA PROJECT #: 20473.084  
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 COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERE TO APPURTENANT.

SHEET TITLE

General  
Structural  
Notes

SHEET NUMBER

GN-1

RECEIVED  
MAR 09 2022  
LICENSES & PERMITS  
DIVISION



GENERAL NOTES

1. 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 (AS APPLICABLE)

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 RATE
6. NFPA DIAMOND FOR "DIESEL" (1,2,0)
7. OWNED BY T-MOBILE.
8. FUEL TANK CAPACITY 237 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](http://www.speedysigns.com/signs/OSHA_READYMADE.ASP)  
ALTERNATE: [HTTPS://WWW.COMPLIANCESIGNS.COM](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.
- 5 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.
- 6 GROUND COAXIAL CABLE SHIELDS AT BOTH ENDS WITH MANUFACTURER'S GROUNDING KITS.
- 7 ROUTE GROUNDING CONDUCTORS THE SHORTEST AND STRAIGHTEST PATH POSSIBLE. BEND GROUNDING LEADS WITH A MINIMUM 12" RADIUS. 90 DEGREE BENDS ARE PROHIBITED.
- 8 GROUND CONDUCTORS ABOVE GRADE SHALL BE #2 AWG, GREEN INSULATED, STRANDED COPPER CONDUCTOR UNLESS NOTED OTHERWISE.
- 9 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 45 DEGREES.
- 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 APPROPRIATE ANTI-OXIDIZATION PAINT.
- 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

- 1 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.
- 2 THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND SHALL PAY ALL ASSOCIATED CHARGES. CONTRACTOR SHALL ARRANGE FOR ALL INSPECTIONS.
- 3 THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL SPECIFIED MATERIALS AND EQUIPMENT. ALL MATERIALS SHALL BE U.L. LISTED.
- 4 CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES AND ALL OTHER SCHEDULING AND PROVISIONARY CIRCUMSTANCES SURROUNDING THE PROJECT.
- 5 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.
- 6 THE ENTIRE SYSTEM SHALL BE SOLIDLY GROUNDED USING DOUBLE LOCKNUTS ON CONDUITS AND PROPERLY BONDED GROUND CONDUCTORS.
- 7 SUBMITTAL OF BIDS INDICATES THAT THE CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.
- 8 ALL ELECTRICAL EQUIPMENT EXPOSED TO WEATHER SHALL BE PROTECTED IN NEMA 3R ENCLOSURES.
- 9 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 FOLLOW A DIFFERENT SCHEME.
- 10 CONTRACTOR SHALL COORDINATE FINAL SERVICE TERMINATION LOCATIONS WITH 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 CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE 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 CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE FUNCTIONALLY OPERATING SYSTEMS ENERGIZED AND READY TO USE THROUGHOUT AS INDICATED ON DRAWINGS. AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
- 15 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 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.
- 16 CONDUIT: ALL ABOVE GRADE CONDUITS SHALL BE RIGID & LFMC TO 6" AS STATED BELOW  
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  
B. ELECTRICAL METALLIC TUBING (EMT) SHALL HAVE UL LABEL. FITTINGS SHALL BE 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.  
D. 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 INSTALLATION.  
E. PVC CONDUIT MAY BE PROVIDED ONLY WHERE SHOWN, OR IN UNDERGROUND INSTALLATIONS. PROVIDE UV-RESISTANT CONDUIT WHERE EXPOSED TO THE 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 THE EXPENSE OF THE CONTRACTOR.
- 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 TEMPORARY AND PERMANENT POWER TO THE SITE. THE TEMPORARY POWER AND ALL HOOKUP COSTS SHALL BE PAID BY THE CONTRACTOR.
- 20 ALL CIRCUIT BREAKERS, FUSES, AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING (AIC) NOT LESS THAN THE MAXIMUM CURRENT TO WHICH THEY MAY BE SUBJECTED.
- 21 RED-LINED AS-BUILT PLANS SHALL BE PROVIDED TO THE CONSTRUCTION MANAGER.



12050 BALTIMORE AVENUE  
BELTSVILLE, MARYLAND 20705  
OFFICE: (240) 264-9600  
FAX: (240) 264-9610

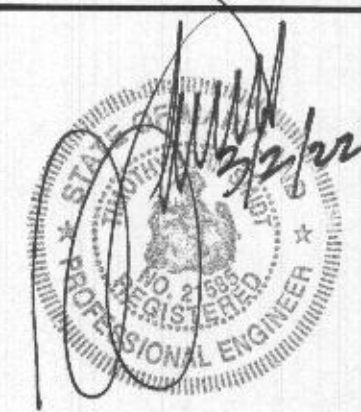


TELEGENT ENGINEERING INC.  
2216 Commerce Road, Suite 1  
Forest Hill, MD 21050  
410-492-3816  
www.tel-eng.com

SITE ID:  
7BAN581A  
SITE NAME:  
OLDE HOME FARM - SILO  
ADDRESS:  
15298 UNION CHAPEL ROAD  
WOODBINE, MD 21797  
LAT. N 39.294559° LONG. W -77.046101°  
HOWARD COUNTY

REVISION BLOCK

NO.	DESCRIPTION	DATE
4	FINAL DWGS.	02/25/22
3	GENERATOR REV	02/23/22
2	FINAL DWGS.	08/19/21
1	REVIEW DWGS	08/18/21



PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, TIMOTHY SMIDT, AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21565, EXPIRATION DATE: MAY 8, 2023.

DRAWN BY:	RFS
DESIGNED BY:	WGJ/RFS
ORIGINAL DATE:	08/18/2021
TEI PROJECT #:	21100D
DESIGN SCALE:	AS NOTED



Know what's below.  
Call before you dig.

PROTECT YOURSELF, ONE THREE WORKING DAYS NOTICE  
THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERE TO APPURTENANT.

SHEET TITLE

GENERAL  
NOTES

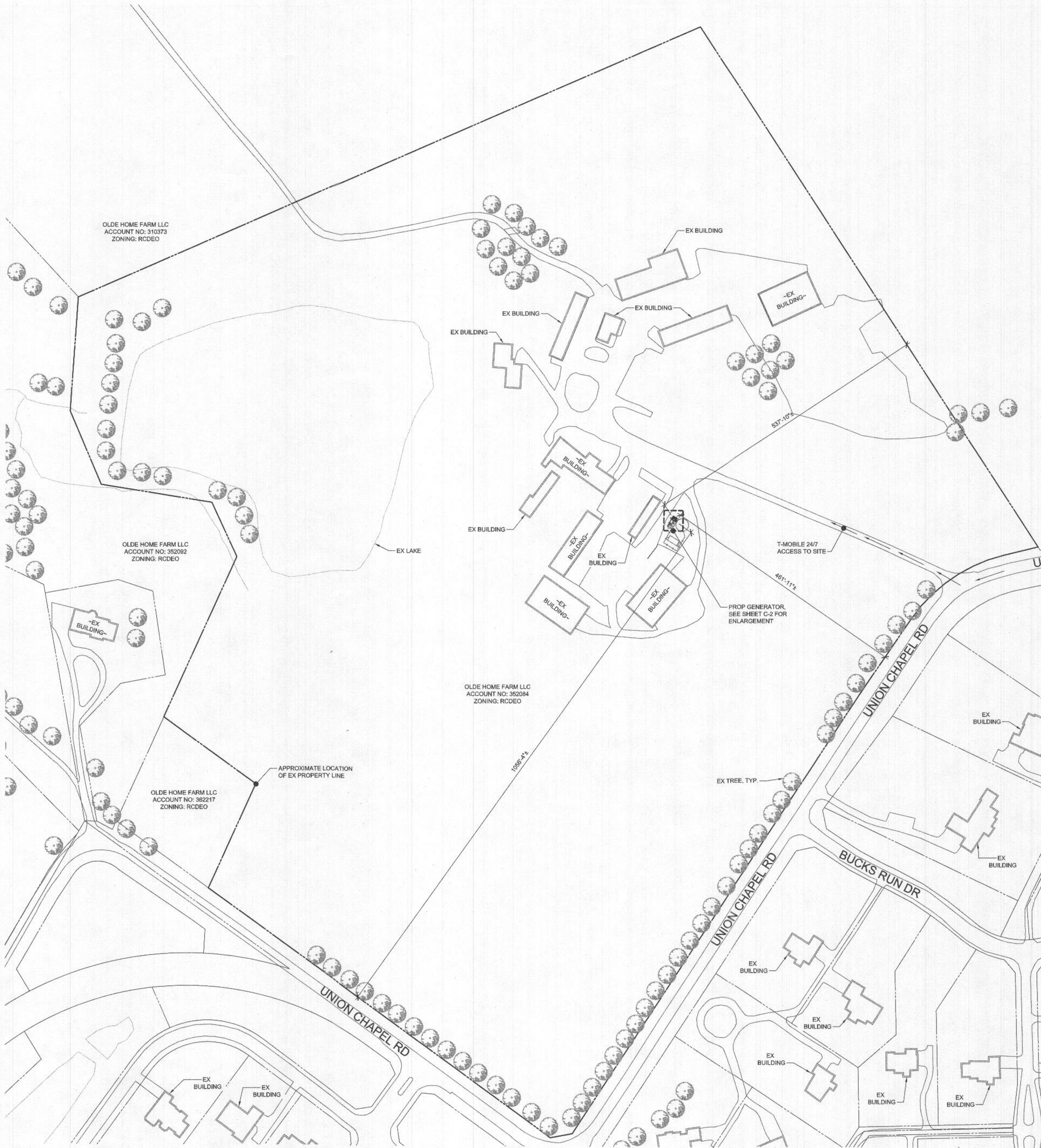
SHEET NUMBER

GN-2

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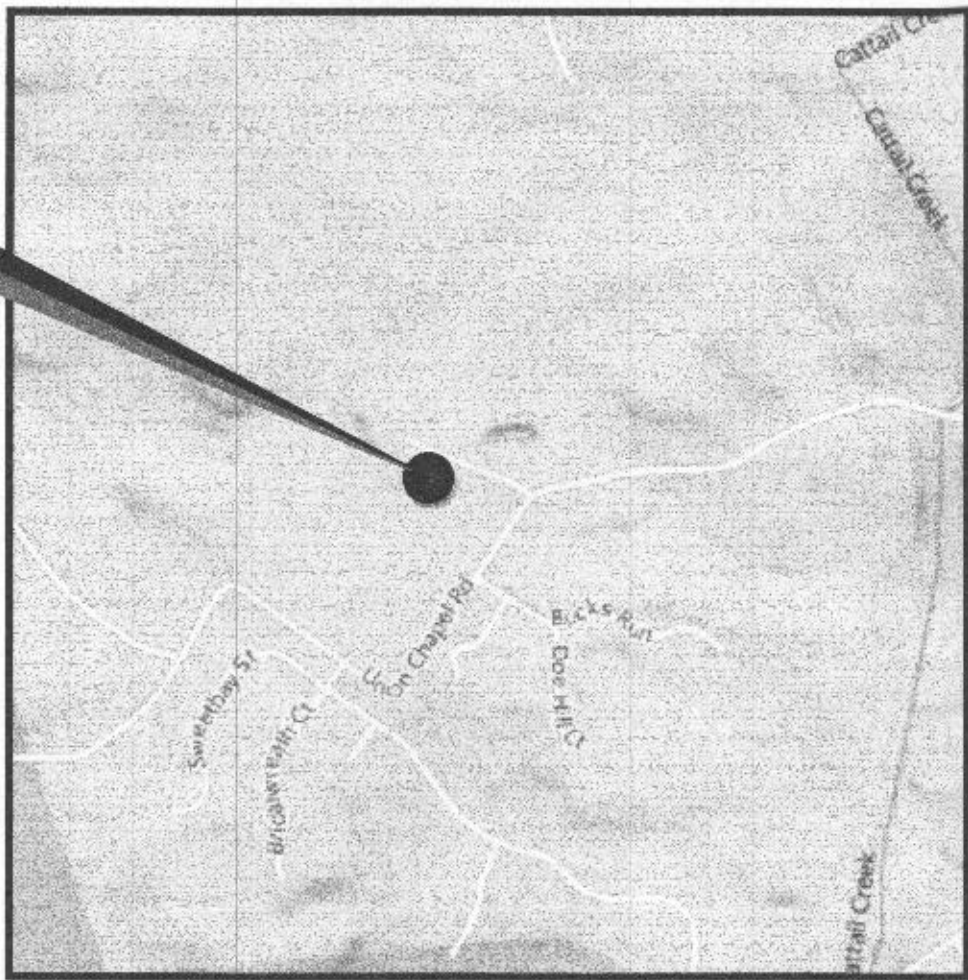
MAR 09 2022  
LICENSES & PERMITS  
DIVISION





SITE PLAN  
SCALE: 1" = 100'-0"

SITE



VICINITY MAP  
SCALE: 1" = 1000'

- SITE NOTES:**
1. APPLICANT: T-MOBILE NORTHEAST LLC  
12050 BALTIMORE AVENUE  
BELTSVILLE, MD 20705  
TEL: (240) 264-8600  
FAX: (240) 264-8610
  2. PROPERTY OWNER: OLDE HOME FARM LLC  
15298 UNION CHAPEL ROAD  
WOODBINE, MD 21797
  3. SITE DATA: DISTRICT: 04 ACCOUNT NO.: 352084  
MAP: 0014, PARCEL: 0242  
TRACT AREA: 47.49 AC  
ADDRESS: 15298 UNION CHAPEL ROAD  
WOODBINE, MD 21797  
EXISTING USE: AGRICULTURAL
  4. ZONING: RCODE
  5. HORIZONTAL AND VERTICAL CONTROL SHOWN HEREON IS BASED ON SATELLITE IMAGERY PROGRAMS AND INFORMATION PROVIDED BY T-MOBILE:  
LATITUDE: N39° 17' 40.41" (39.294559°)  
LONGITUDE: W77° 2' 45.96" (-77.046101°)  
GROUND ELEVATION: 525± AMSL (AVG.)
  6. TOTAL DISTURBED AREA = 0 SF
  7. THE PROPOSED INSTALLATION WILL CONSIST OF PLACING THE (1) PROPOSED GENERATOR ON EXISTING CONCRETE PAD, AND (1) PROPOSED BACKBOARD WITH AUTOMATIC TRANSFER SWITCH ON EXISTING CONCRETE PAD.
  8. THE STRUCTURE WILL NOT SUPPORT LIGHTS OR SIGNS UNLESS REQUIRED FOR AIRCRAFT WARNING OR OTHER SAFETY RECORDS.
  9. THE APPLICANT WILL PROVIDE A CERTIFICATION FROM A REGISTERED ENGINEER THAT THE STRUCTURE WILL MEET THE APPLICABLE DESIGN STANDARDS FOR WIND LOADS PER THE REQUIREMENTS OF THE TELECOMMUNICATIONS INDUSTRY ASSOCIATION.
  10. IF THE ANTENNAS ARE NO LONGER USED FOR TELECOMMUNICATIONS PURPOSES FOR A CONTINUOUS PERIOD OF ONE (1) YEAR, THEY SHALL BE REMOVED BY THE ANTENNA OWNER AT OWNER'S EXPENSE.
  11. NO WATER OR SANITARY UTILITIES ARE REQUIRED FOR THE OPERATION OF THIS FACILITY.
  12. STORMWATER MANAGEMENT NOTE: NO STORMWATER MANAGEMENT IS REQUIRED FOR THIS SITE.
  13. BOUNDARY SHOWN PER COUNTY RECORDS.
  15. THIS PLAN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT. PLAN IS SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.
  16. ALL DETAILS SHOWN ARE "STANDARD" OR "TYPICAL" FOR REFERENCE ONLY. FOR ACTUAL DETAILS, SEE ARCHITECTURAL, STRUCTURAL, OR CONSTRUCTION PLANS BY OTHERS.
  17. STRUCTURAL ANALYSIS/DESIGN TO BE PERFORMED BY OTHERS AT CLIENT AND/OR OWNER'S DISCRETION PRIOR TO COMMENCEMENT OF ANY WORK.
  18. THE COMMUNICATION EQUIPMENT SHALL BE UNMANNED, WITH INFREQUENT VISITS (FOUR OR FEWER PER YEAR) BY MAINTENANCE PERSONNEL, AND WITH ACCESS AND PARKING FOR NO MORE THAN ONE VEHICLE. THE PROPOSED FACILITY IS NOT FOR HUMAN HABITATION AND THEREFORE HANDICAP ACCESS IS NOT REQUIRED.
  19. THE PROPOSED COMMUNICATIONS EQUIPMENT, ANTENNAS AND RELATED MOUNTING DEVICES DO NOT EXCEED TWELVE (12) FEET IN TOTAL HEIGHT.
- GENERAL NOTES:**
1. CONTRACTOR SHALL NOTIFY "MISS UTILITY" (811) 48 HOURS PRIOR TO DOING ANY EXCAVATION IN THIS AREA. CONTRACTOR SHALL CONTACT A SUBSURFACE UTILITY LOCATOR FOR LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL VERIFY EXISTING UTILITY LOCATIONS BY TEST PIT AS NECESSARY. LOCATION OF UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND FOR PLANNING PURPOSES ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. DAMAGE TO UTILITIES OR PROPERTY OF OTHER BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPAIRED TO PRECONSTRUCTION CONDITIONS BY THE CONTRACTOR.
  2. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL STATE AND LOCAL CODES AND ORDINANCES, THE LATEST EDITION THEREOF.
  3. ANY PERMITS WHICH MUST BE OBTAINED SHALL BE THE CONTRACTOR'S RESPONSIBILITY. CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNMENTAL AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
  4. CONTRACTOR SHALL COORDINATE ALL UTILITY CONNECTIONS WITH APPROPRIATE UTILITY OWNERS.
  5. THESE PLANS ARE NOT FOR RECORDATION OR CONVEYANCE.
  6. EXISTING PAVEMENT AND OTHER SURFACES DISTURBED BY CONTRACTOR (WHICH ARE NOT TO BE REMOVED) SHALL BE REPAIRED TO PRECONSTRUCTION CONDITIONS BY THE CONTRACTOR.

**T-Mobile**  
T-MOBILE NORTHEAST LLC  
12050 BALTIMORE AVENUE  
BELTSVILLE, MARYLAND 20705  
OFFICE: (240) 264-8600  
FAX: (240) 264-8610



**MORRIS & RITCHIE ASSOCIATES, INC.**  
*Civil / Structural Engineers*  
1220-B East Joppa Road, Suite 400K  
Towson, Maryland 21286  
Office: (410) 831-1890  
Fax: (410) 821-1746

SITE ID: 7BAN581A  
SITE NAME: OLDE HOME FARM - SILO

SITE ADDRESS: 15298 UNION CHAPEL ROAD, WOODBINE, MD 21797  
HOWARD COUNTY

REVISION BLOCK

NO.	DESCRIPTION	DATE
4	FINAL DWGS.	02/25/22
3	GENERATOR REV.	02/23/22
2	FINAL DWGS.	08/19/21



PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 37729, EXPIRATION DATE: 07/09/2023.

DRAWN BY:	SM
DESIGNED BY:	JT
ORIGINAL DATE:	08/17/2021
MRA PROJECT #:	20473.084
DESIGN SCALE:	AS NOTED



PROTECT YOURSELF. GIVE THREE WORKING DAYS NOTICE.  
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SHEET TITLE

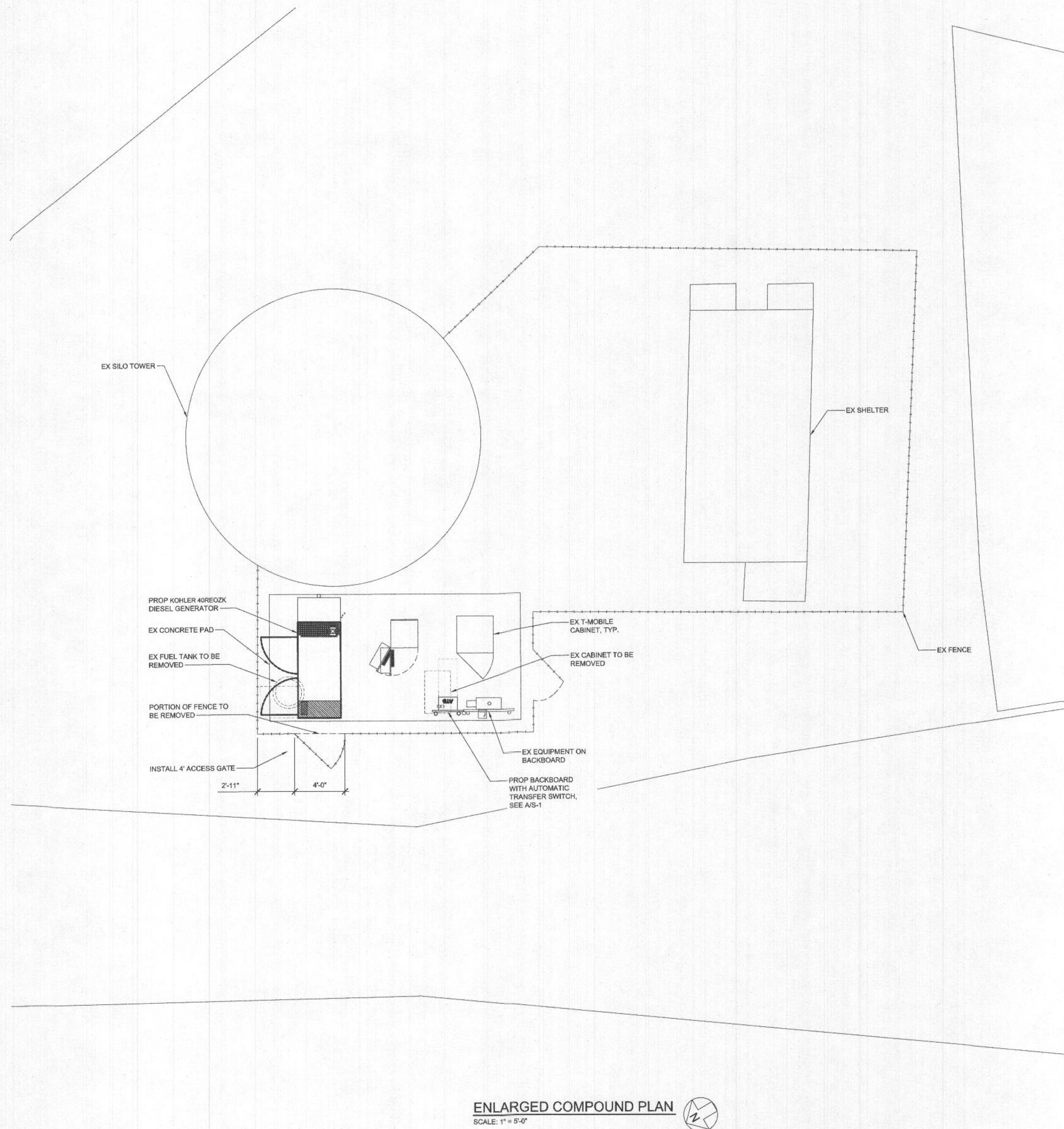
Site Plan

SHEET NUMBER

C-1

RECEIVED  
MAR 09 2022  
LICENSES & PERMITS  
DIVISION





ENLARGED COMPOUND PLAN  
SCALE: 1" = 5'-0"

**T-Mobile**

T-MOBILE NORTHEAST LLC

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ASSOCIATES, INC.**

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7BAN581A  
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**PROFESSIONAL CERTIFICATION**

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 37729, EXPIRATION DATE: 07/09/2023.

DRAWN BY: SM  
DESIGNED BY: JT  
ORIGINAL DATE: 08/17/2021  
MRA PROJECT #: 20473.084  
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 COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERE TO APPURTENANT.

**SHEET TITLE**

**Compound  
Plan**

**SHEET NUMBER**

**C-2**

**RECEIVED**

MAR 09 2022

LICENSES & PERMITS  
DIVISION