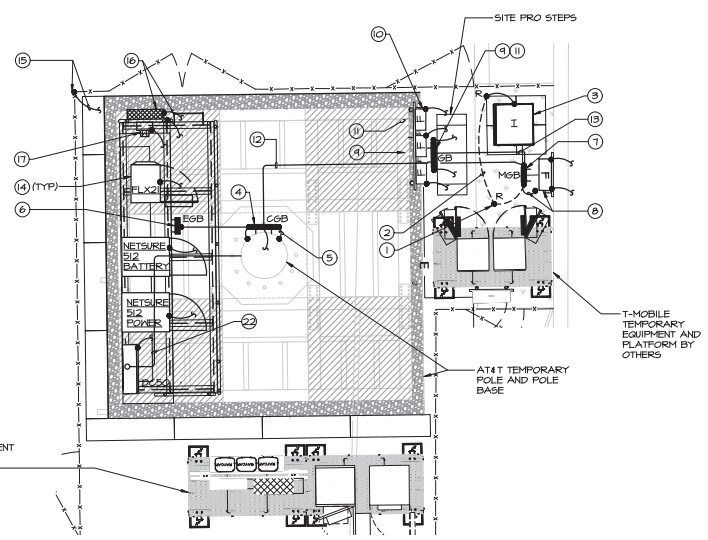


A B C D E F G H J K L M N P Q



EQUIPMENT GROUNDING PLAN
SCALE: 1/4"=1'-0"

VERIZON WIRELESS
TEMPORARY EQUIPMENT
AND PLATFORM BY
OTHERS

EXISTING SCHOOL
BUILDING

NOTE: PLEASE REFER TO THE ATT
SHP Doc ID ATT-002-230-101

DRAWING NOTES

- 1 PROVIDE NEW 8'-0"x18" x COPPER CLAD GROUND ROD BURIED AT LEAST 30" BELOW GRADE AND SPACED 6'-0" APART (MINIMUM). REFER TO DETAIL ON SHEET G-2.
- 2 PROVIDE NEW #2 AWG, BARE, TINNED, SOLID COPPER CONDUCTOR BURIED GROUND RINGS INSTALLED 30" MINIMUM BELOW GRADE. PROVIDE GADWELD CONNECTIONS TO EACH GROUND ROD.
- 3 PROPOSED WEATHERPROOF 150 KVA TRANSFORMER MOUNTED ON CONCRETE PAVERS. PROVIDE #1/2 BARE TINNED COPPER GROUNDING ELECTRODE FROM TRANSFORMER AND BOND TO NEAREST GROUND ROD.
- 4 PROVIDE NEW 3/4"x1/4" COPPER COAX GROUND BAR (CGB) MOUNTED TO BASE OF AT&T TEMPORARY MONOPOLE TOWER.
- 5 EXTEND #2 AWG INSULATED, STRANDED COPPER CONDUCTOR FROM COAX GROUND BAR (CGB) AND BOND TO MONOPOLE TOWER AT TWO (2) LOCATIONS 180° APART.
- 6 PROVIDE NEW 4"x1/2"x1/4" COPPER EQUIPMENT GROUND BAR (EGB) MOUNTED ON AT&T EQUIPMENT SUPPORT RAILS. EXTEND #2 AWG INSULATED STRANDED COPPER CONDUCTOR FROM TEMPORARY MONOPOLE TOWER COAX GROUND BAR (CGB) TO AT&T EQUIPMENT GROUND BAR (EGB). COORDINATE EXACT MOUNTING LOCATION WITH AT&T REPRESENTATIVE.
- 7 PROVIDE NEW 4"x1/2"x1/4" COPPER MAIN GROUND BAR (MGB) MOUNTED BELOW TRANSFORMER PRIMARY DISCONNECT SWITCH. EXTEND #2 AWG BARE TINNED SOLID COPPER CONDUCTOR FROM MASTER GROUND BAR AND BOND TO NEAREST BURIED GROUND ROD.
- 8 PROPOSED 600 VOLT TRANSFORMER PRIMARY SERVICE DISCONNECT SWITCH. EXTEND #2 AWG INSULATED STRANDED COPPER CONDUCTOR FROM DISCONNECT SWITCH AND BOND TO MASTER GROUND BAR (MGB).
- 9 PROVIDE NEW 4"x1/2"x1/4" COPPER GROUND BAR (GB) MOUNTED ON NEW KINDORF MOUNTING FRAME FOR CARRIERS 240 VOLT, 200 AMP FUSED DISCONNECT SWITCHES.
- 10 PROVIDE NEW 240V FUSED DISCONNECT SWITCH (TYPICAL). EXTEND #2 AWG GREEN INSULATED STRANDED COPPER GROUND CONDUCTOR AND BOND TO GROUND BAR.
- 11 BOND KINDORF MOUNTING FRAME TO GROUND BAR USING #2 AWG GREEN INSULATED STRANDED COPPER GROUND CONDUCTOR AT EACH CORNER FOOT.
- 12 EXTEND #2 AWG INSULATED STRANDED COPPER CONDUCTOR FROM COAX GROUND BAR (CGB) AND BOND TO MASTER GROUND BAR MOUNTED BENEATH TRANSFORMER PRIMARY DISCONNECT SWITCH. ROUTE GROUND CONDUCTOR IN 1" PVC CONDUIT ABOVE GRADE FOR PROTECTION. ROUTE GROUND WITH ELECTRIC SERVICE CONDUITS BETWEEN CARRIERS 240 VOLT, 200 AMP DISCONNECT SWITCHES AND TRANSFORMER.
- 13 EXTEND #2 AWG INSULATED STRANDED COPPER CONDUCTOR FROM GROUND BAR (GB) AND BOND TO MASTER GROUND BAR MOUNTED BENEATH TRANSFORMER PRIMARY DISCONNECT SWITCH. ROUTE GROUND CONDUCTOR IN 1" PVC CONDUIT ABOVE GRADE FOR PROTECTION. ROUTE GROUND WITH ELECTRIC SERVICE CONDUITS BETWEEN CARRIERS 240 VOLT, 200 AMP DISCONNECT SWITCHES AND TRANSFORMER.
- 14 EXTEND #2 AWG INSULATED STRANDED COPPER CONDUCTOR FROM EACH AT&T EQUIPMENT CABINET TO AND BOND TO AT&T EQUIPMENT GROUND BAR (EGB).
- 15 EXTEND #2 AWG INSULATED STRANDED COPPER CONDUCTOR FROM CORNER OF PROPOSED TEMPORARY FENCE AND BOND TO AT&T EQUIPMENT GROUND BAR (EGB).
- 16 BOND AT&T 120/240V 200A 1Ø 3W PFG PANEL TO PROPOSED AT&T EQUIPMENT GROUND BAR (EGB), USING #2 AWG GREEN INSULATED STRANDED COPPER GROUND CONDUCTOR.
- 17 BOND NEW AT&T SUB METER TO PROPOSED EQUIPMENT GROUND BAR (EGB), USING #2 AWG INSULATED STRANDED COPPER GROUND CONDUCTOR.
- 18 PROVIDE NEW 4"x1/2"x1/4" COPPER SECTOR GROUND BAR (SGB) MOUNTED TO TOP OF AT&T TEMPORARY MONOPOLE TOWER. EXTEND #2 AWG GREEN INSULATED COPPER GROUND CONDUCTOR FROM SECTOR GROUND BAR AND BOND TO COAX GROUND BAR (CGB) AT BOTTOM OF TOWER. REFER TO DETAIL ON SHEET G-2 FOR ADDITIONAL INFORMATION.
- 19 PROPOSED AT&T ANTENNA. BOND ANTENNA AND ANTENNA MAST TO SECTOR GROUND BAR (SGB) USING #2 AWG GREEN INSULATED COPPER GROUND CONDUCTOR. REFER TO ANTENNA SCHEDULE ON MRA CIVIL ENGINEERING DRAWINGS FOR ADDITIONAL INFORMATION.
- 20 PROPOSED AT&T RADIO HEAD (RRH). BOND RADIO HEAD AND ANTENNA MAST TO SECTOR GROUND BAR (SGB) USING #2 AWG GREEN INSULATED COPPER GROUND CONDUCTOR. REFER TO ANTENNA SCHEDULE ON MRA CIVIL ENGINEERING DRAWINGS FOR ADDITIONAL INFORMATION.
- 21 PROPOSED RAYCAP. BOND RAYCAP TO SECTOR GROUND BAR (SGB) USING #2 AWG GREEN INSULATED COPPER GROUND CONDUCTOR. REFER TO ANTENNA SCHEDULE ON MRA CIVIL ENGINEERING DRAWINGS FOR ADDITIONAL INFORMATION.
- 22 EXTEND THREE (3) 24 PAIR FIBER TRUNK AND NINE (9) 6/1 DC TRUNK CABLES FROM FROM DC50 CABINET ALONG ICE BRIDGE TO TEMPORARY MONOPOLE AND EXTEND TO DC4 AT TOP OF TOWER FOR CONNECTION OF DC POWER. MAKE ALL CONNECTIONS AS REQUIRED.



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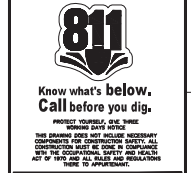
SITE ID: SIMD010145
SITE NAME: DUNNAVANT RELO FOR BOYER PLACE (YESHIVA TEMP)
(FA NUMBER: 12373579)
SITE ADDRESS: 2010 LINDEN LANE ROCKVILLE, MD 20810 MONTGOMERY COUNTY

REVISION BLOCK		
NO.	DESCRIPTION	DATE
1	PERMIT DWG-5	07/18/2023



I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, TIMOTHY JOHN SMITH, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21809, EXPIRATION DATE MAY 08, 2025.

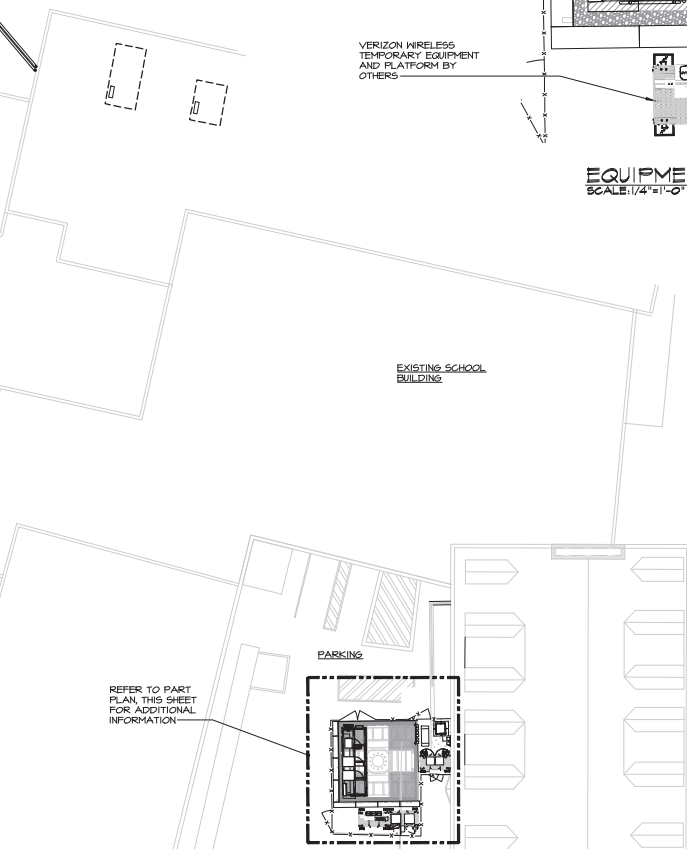
DRAWN BY: BLN
DESIGNED BY: BLN/TJS
ORIGINAL DATE: 06/16/2023
TEI PROJECT#: 23014L
DESIGN SCALE: AS NOTED



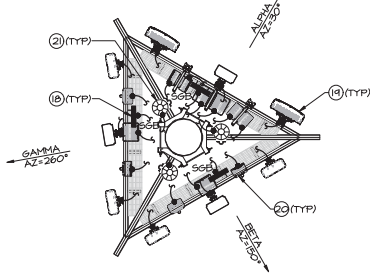
SHEET TITLE
Site Grounding Plan
Equipment Grounding Plan, Antenna Plan and Notes

SHEET NUMBER

G-1



SITE GROUNDING PLAN
SCALE: 1/6"=1'-0"



ANTENNA PLAN
NO SCALE

