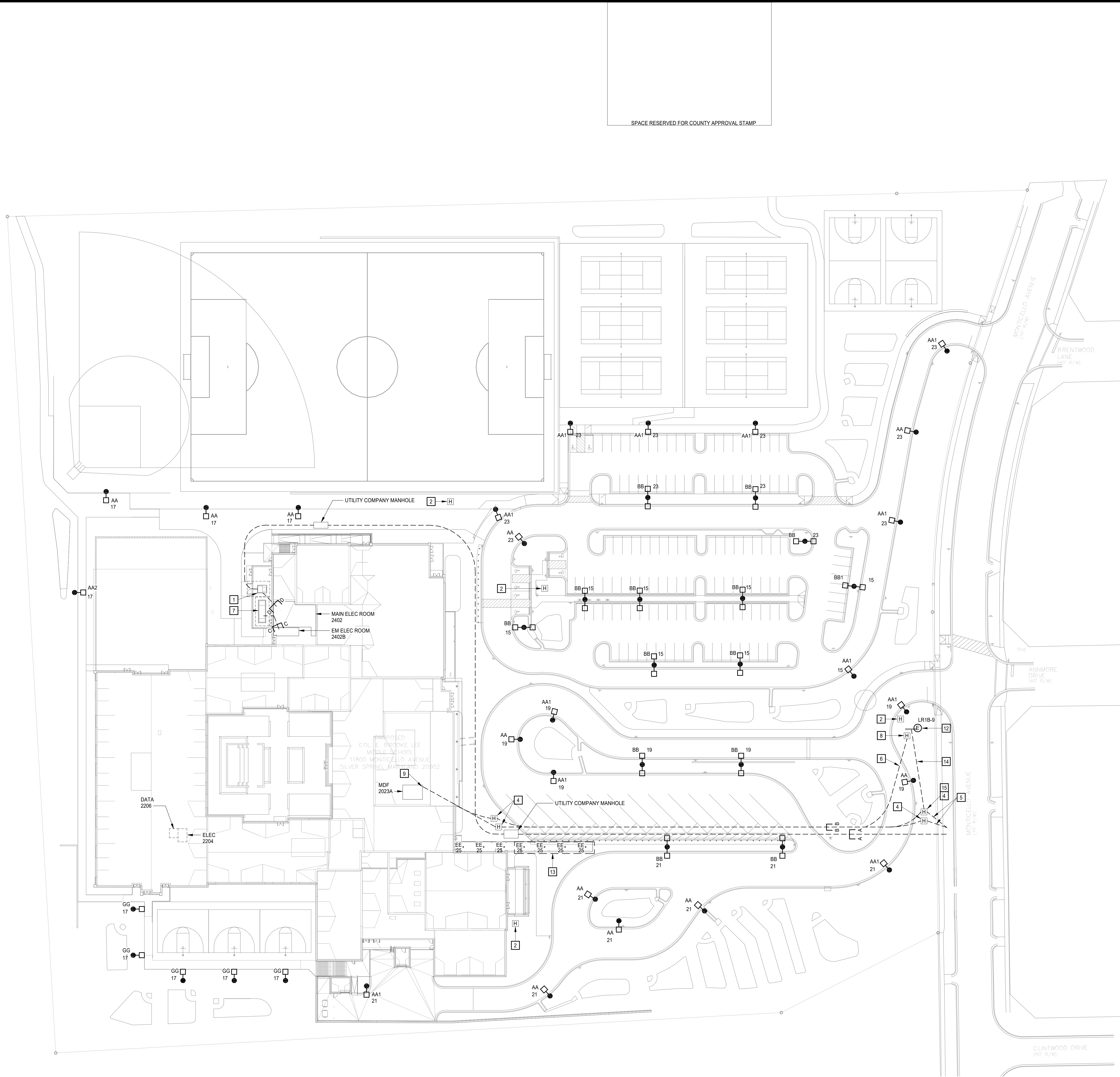


3/29/2020 11:00:32 PM
0' 15' 30"
1" = 30'-0"
60' 0' 4' 8' 16'
1" = 16'-0"
32' 0' 2' 4' 8'
1" = 8'-0"
16' 0' 1' 2' 4'
1" = 4'-0"
8' 0' 6' 1' 2'
1" = 2'-0"
4' 0' 6' 1' 2'
1" = 1'-0"
3/4" = 1'-0"



SPACE RESERVED FOR COUNTY APPROVAL STAMP

GENERAL NOTES

- FOR SITE LIGHTING FIXTURE POLE & BASE, SEE POLE BASE DETAIL ON DRAWING E1.2.
- ALL SITE LIGHTING WIRING SHALL BE A MINIMUM OF #8 AWG IN 1" SCHEDULE 40 PVC CONDUIT, A MINIMUM OF 24" BELOW GRADE. RUN #10G FOR EACH CONDUIT, TYPICAL.
- ALL POLES SHALL HAVE CONTINUITY OF GROUND. CONNECT GREEN GROUND WIRE TO LUG INSIDE THE POLE.
- POLE BASE SHALL BE IN COMPLIANCE WITH DIVISION 3. CONTRACTOR SHALL FURNISH ANCHOR BOLTS, BOLT TEMPLATE, POLE, FIXTURE CONDUIT & WIRE FOR FINAL CONNECTIONS.
- WHERE ELECTRICAL CONDUIT(S) SHALL PASS UNDER OR OVER OTHER UTILITIES, MAINTAIN A MINIMUM OF 12" VERTICAL SEPARATION.
- CUSTOMER TO OBTAIN ALL PERMITS/PERMISSIONS REQUIRED BY OTHERS ON PRIVATE PROPERTY.
- ALL MATERIALS USED ARE TO CONFORM TO PEPCO SPECIFICATIONS. ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH PEPCO'S STANDARDS & SPECIFICATIONS.
- CUSTOMER TO BUILD, OWN & MAINTAIN ALL STRUCTURAL FACILITIES INCLUDING CONDUITS, SPLICE BOXES, TRANSFORMER PADS, ETC., ON PRIVATE PROPERTY.
- WORK SHALL BE INSPECTED BY PEPCO'S CONDUIT DEPARTMENT BEFORE CONCRETE ENCASEMENT AND BACKFILLING. CUSTOMER MUST CALL (301) 607-8828, AT LEAST TWO WEEKS IN ADVANCE, TO ARRANGE FOR INSPECTION/PRE-CONSTRUCTION MEETING.
- PEPCO SHALL BE NOTIFIED BEFORE THE SETTING OF ANY POLES, MANHOLES, POURING OF ANY CONCRETE AND/OR BACKFILLING OF ANY TRENCH & ONSITE CONNECTION OF STRUCTURAL EQUIPMENT (CUSTOMER MUST FIRST SUBMIT A DRAWING OF THE FACILITIES TO BE BUILT FOR PEPCO'S APPROVAL). CALL (301) 607-8828 BETWEEN 7-9 A.M. OR 3-4 P.M.
- CUSTOMER SHALL BE RESPONSIBLE FOR ANY WATER PROBLEMS RELATED TO THESE FACILITIES.
- FOR LOCATION(S) OF UTILITIES, THE CUSTOMER SHALL CALL MISS UTILITY (1-800-257-7777) AT LEAST 48 HOURS IN ADVANCE OF WORK IN THE VICINITY.
- ALL OTHER UNDERGROUND UTILITIES IN THE VICINITY SHALL BE SHOWN. THE MINIMUM HORIZONTAL & VERTICAL CLEARANCES SET BY PEPCO ARE TO BE MAINTAINED. MAINTAIN 5'-0" (HORIZONTAL) & 1'-0" (VERTICAL) CLEARANCE FROM ALL UNDERGROUND UTILITIES.
- CONDUITS SHALL BE BUILT IN ACCORDANCE WITH PHI SPECIFICATION, DRAWING NO. 0480 & 1100.
- ALL SERVICE CONDUITS MUST BE ELECTRICAL TYPE 4" SCHEDULE 40 PVC.
- SWEEP BENDS MUST HAVE A RADIUS OF NO LESS THAN 36".
- NYLON PULL LINES SHALL BE INSTALLED IN EACH DUCT FOR FUTURE CABLE INSTALLATION.
- THERE SHALL BE NO MORE THAN 270° TOTAL BENDS OF DUCT LINE INCLUSIVE OF PEPCO'S EXTENSION, IF NECESSARY.
- CONDUITS MUST HAVE THREE (3'-0") OF COVER (TOP OF DUCT TO FINISHED GRADE).
- CONDUIT SHALL BE ENCASED IN 3000 PSI CONCRETE WITH PEA GRAVEL. NO METALLIC MATERIAL (REBARS, HOLD DOWN WIRES, ETC.) SHALL BE PERMITTED IN SPACES BETWEEN EACH DUCT.
- CUSTOMER SHALL RUN ALL CONDUIT, CLEAR ANY OBSTRUCTIONS & PROVIDE NYLON PULL LINES PRIOR TO THE INSTALLATION OF PEPCO CABLES.
- MANHOLES SHALL BE CONSTRUCTED WITH 4000 PSI CONCRETE.
- REFER TO PEPCO STANDARD DRAWINGS CD.005.01 FOR METER EQUIPMENT MOUNTING INFORMATION.
- REFER TO PEPCO STANDARD DRAWINGS 7-5-694 & 7-5-695 FOR SWITCHBOARD WITH BUILT-IN COMPARTMENT/C.T. CABINET SPECIFICATIONS CD.004.01.
- TRAUGHS MUST HAVE REMOVABLE COVERS WITH PROVISIONS FOR SEALS. REMOVAL OF COVERS SHALL BE WITHIN THE CAPABILITY OF ONE PERSON.
- ALL METERING CURRENT TRANSFORMER MOUNTING DIMENSIONS, DRILING, SPACING & STUDS SHALL COMPLY WITH PEPCO SPECIFICATION DRAWING 7-5-606; REVISION A. THE MINIMUM ACCEPTABLE DIMENSIONS, DRILLINGS, ETC., FOR PEPCO LINE CONNECTIONS TO C/T SWITCHES & MAIN INCOMING BUS CABINETS/COMPONENTS, REVISION B AND/OR 705-694 REVISION B.
- THE MINIMUM MOUNTING HEIGHT FOR METERS SHALL BE 30" (FROM BOTTOM OF METER GLASS TO FINISHED GRADE) & THE MAXIMUM MOUNTING HEIGHT IS 66" (FROM BOTTOM OF METER GLASS TO FINISHED GRADE).
- HYLUGS USED BY PEPCO REQUIRE NEMA 2-HOLE SPACING.
- THE MAXIMUM SIZE OF SERVICE CONDUCTOR RATED 600 VOLTS OR LESS NOT EXCEED 500 KCM COPPER OR ALUMINUM.
- METER LOCATIONS MUST BE APPROVED BY PEPCO'S METERING DEPARTMENT. PEPCO WILL PROVIDE METERING EQUIPMENT AT THE FOLLOWING LOCATIONS:
a. FORESTVILLE OFFICE: (301) 967-5206
- REFER TO **PANEL EHA** FOR ALL CIRCUITS INDICATED ON THIS PLAN, UNLESS NOTED OTHERWISE.
- ALL EXTERIOR LIGHTING SHALL BE WIRED THROUGH EXTERIOR LIGHTING CONTACTOR & CONTROLLED VIA TIME CLOCK & PHOTOCELL. REFER TO EXTERIOR LIGHTING CONTROLS DIAGRAM ON DRAWING E4.4 FOR ADDITIONAL INFORMATION.
- VERIZON WILL REMOVE ALL EXISTING POLES NOTED & INSTALL NEW POLES.

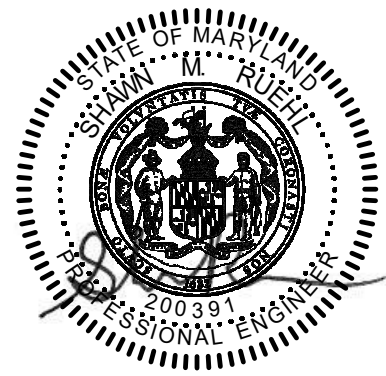
KEYNOTES

APPLIES TO DRAWING E1.1
REPRESENTED BY **[H]**

- NEW UTILITY TRANSFORMER. COORDINATE WITH PEPCO UTILITY COMPANY FOR EXACT LOCATION. SEE "PEPCO (POTOMAC ELECTRIC POWER COMPANY) COMPANY UTILITY EQUIPMENT CLEARANCES ON DRAWING E1.2. PROVIDE A CONCRETE PAD FOR UTILITY TRANSFORMER. REFER TO UTILITY COMPANY'S BUILDING MANUAL FOR EXACT REQUIREMENTS FOR PAD.
- 24" x 24" FLUSH HANDHOLE FOR EXTERIOR POLE LIGHTS.
- FURNISH & INSTALL IN-GROUND ENCLOSURE FOR TELECOM SERVICE ENTRANCE. REFER TO VERIZON & COMCAST'S BUILDING MANUALS FOR EXACT REQUIREMENTS FOR ENCLOSURE.
- (2) HANDHOLES: (1) DEDICATED FOR VERIZON & (1) DEDICATED FOR COMCAST/DOT. EACH SHALL HAVE (2) 4" PVC SCHEDULE 40 CONDUITS TO THE MDF. HANDHOLES SHALL BE LOCATED NEAR THE UTILITY POLE WITH SERVICE PROVIDER PRESENT.
- PROVIDE (2) 4" PVC SCHEDULE 40 CONDUITS FROM EACH HANDHOLE TO THE UTILITY POLE AT THE EDGE OF THE PROPERTY. STUB UP 6" AFG & CAP.
- PROVIDE (1) 2" EMPTY CONDUIT FROM SCHOOL SIGN TO SCHOOL MDF FOR POWER.
- EMERGENCY GENERATOR.
- (1) HANDHOLES: FOR POWER FOR SCHOOL SIGN. LOCATE HANDHOLE NEAR THE BASE OF THE SCHOOL SIGN POLE. COORDINATE EXACT LOCATION IN THE FIELD WITH MCPS.
- INCOMING TELECOM SERVICE CONDUITS. STUB UP CONDUITS THROUGH STORAGE 1043C ON THE FIRST FLOOR AND CONTINUE UP TO MDF 2023A ON THE SECOND FLOOR.
- CONCORD AMERICAN FLAGPOLE MODEL #PS120277 ABOVE GROUND POWER SUPPLY, MOUNTED INSIDE HOFFMAN BOX 18" ABOVE FINISHED GRADE. MAKE ALL FINAL CONNECTIONS.
- POWER CORD, DIRECT BURIED IN PVC CONDUIT BENEATH CONCRETE TO EXTEND TO FLAG POLE FOR CONCORD AMERICAN FLAGPOLE MODEL #SGS100-5KGLD-WHT EXTERNAL ROPE HAYWARD FLAGPOLE LIGHT. REFER TO ARCHITECTURAL & CIVIL SITE PLANS FOR EXACT LOCATION OF FLAG POLE. MAKE ALL FINAL CONNECTIONS.
- ELECTRONIC MESSAGE SCHOOL SIGN. PROVIDE 2#8, 1#10G-2"C.
- LIGHTING FIXTURES "EE" (4) IN THIS AREA ARE TO BE PROVIDED AS PART OF ALTERNATE NO. 6.
- PROVIDE (1) 2" EMPTY CONDUIT FROM TO SCHOOL SIGN FOR LOW VOLTAGE COMMUNICATION CABLES. STUB CONDUIT UP 4" AFG & CAP AT SCHOOL SIGN LOCATION. COMMUNICATION CABLES PROVIDED BY OTHERS.
- HANDHOLE FOR COMCAST/DOT & SCHOOL SIGN.

N
ELECTRICAL SITE PLAN
1" = 40'-0"

MOSELEYARCHITECTS



PROFESSIONAL CERTIFICATION

I, the undersigned, being a duly licensed Professional Architect under the laws of the State of Virginia, do hereby certify that the foregoing is a true and correct copy of the original as filed in my office.



Col. E. Brooke Lee MS Addition/Upgrade

Montgomery County Public Schools
11800 Monticello Ave, Silver Spring MD 20902

PROJECT NO:	DATE:
582937	MARCH 19, 2020
REVISIONS	
DATE	DESCRIPTION

ELECTRICAL SITE
PLAN

E1.1