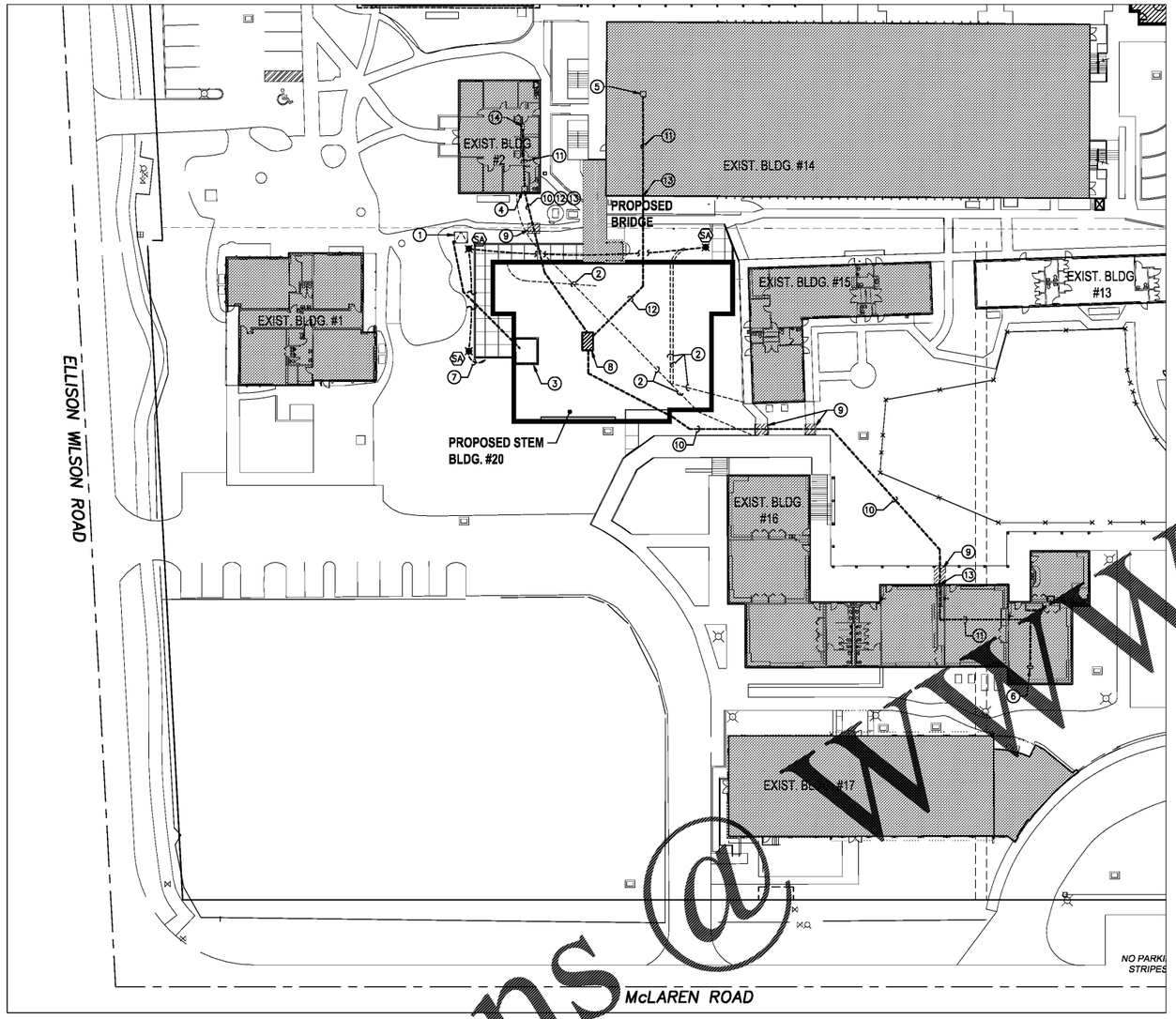
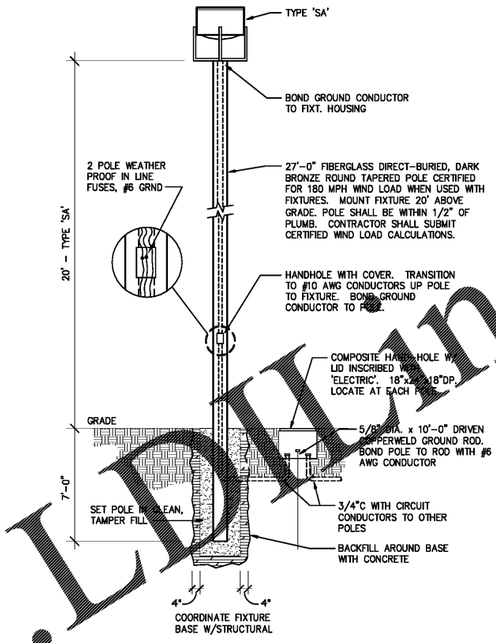


1 E1.1 **PARTIAL ELECTRICAL SITE PLAN**

SCALE: 1" = 30'-0"

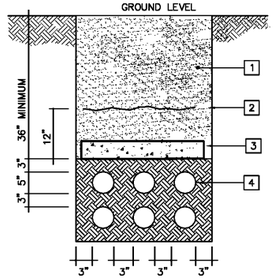


2 E1.1 **POLE MT'D. LIGHTING FIXTURE DETAIL**

NO SCALE

NOTE:

1. PROVIDE WIND LOAD CALCULATIONS FOR POLE SIGNED AND SEALED BY FLORIDA LICENSED ENGINEER.
2. BURIAL DEPTH TO BE DETERMINED BY ENGINEER PERFORMING WIND LOAD CALCULATIONS.



1. 95% COMPACTED EARTH.
2. METALIZED MYLAR WARNING TAPE MARKED: "DANGER – BURIED HIGH VOLTAGE ELECTRICAL CONDUITS".
3. 3" CONCRETE CAP.
4. 6-2" PVC CONDUITS, IN 95% COMPACT EARTH.

3 E1.1 **DUCTBANK DETAIL**

SCALE: NONE

SITE CONSTRUCTION NOTES:

1. ALL WORK OUTSIDE THE CONSTRUCTION AREA IS TO BE PERFORMED DURING NON-BUSINESS HOURS AS APPROVED BY THE PROJECT CONSULTANT AND OWNER AT THE CONTRACTOR'S EXPENSE.
2. REQUIRED INTERRUPTIONS FOR UTILITIES AND SERVICES SHALL BE COORDINATED WITH THE APPROPRIATE OWNER'S STAFF. REQUIRED INTERRUPTIONS SHALL BE SCHEDULED TO SUIT THE CONVENIENCE OF THE OWNER AND SHALL NOT INTERRUPT BUSINESS ACTIVITIES OR OPERATIONS. ALL INTERRUPTIONS SHALL BE PERFORMED DURING NON-BUSINESS HOURS AND/OR WEEKENDS AT THE CONTRACTOR'S EXPENSE. ALL INTERRUPTIONS TO FIRE ALARM OR INTERCOM SYSTEMS SHALL BE DURING NON-BUSINESS HOURS AND ARE TO BE REPAIRED PRIOR TO THE BEGINNING OF BUSINESS HOURS. ALL INTERRUPTIONS TO THE SECURITY SYSTEM SHALL BE DURING BUSINESS HOURS AND ARE TO BE REPAIRED PRIOR TO END OF BUSINESS HOURS.
3. THE CONTRACT DOCUMENTS MAY NOT REFLECT ALL EXISTING SERVICES OR SHOW THEM IN THEIR EXACT OR EXISTING LOCATIONS ABOVE OR BELOW GRADE. ANY SERVICE THAT IS INTERRUPTED BY THE CONTRACTOR WITHIN OR OUTSIDE OF THE DESIGNATED LIMITS, ABOVE OR BELOW GRADE, WHETHER SHOWN OR NOT SHOWN ON THE CONTRACT DOCUMENTS, SHALL BE IMMEDIATELY REPAIRED BY HIM AT HIS EXPENSE WITH NO OBLIGATION TO THE OWNER. ALL REPAIRS SHALL BE APPROVED BY THE ARCHITECT OR ENGINEER PRIOR TO ACCEPTANCE OF THE REPAIR.
4. REFER TO RISER DIAGRAMS AND ONE-LINE FOR ALL CONDUIT AND WIRE SIZES AND QUANTITIES.
5. SEE CIVIL DRAWINGS FOR APPROXIMATE LOCATIONS OF UTILITIES.
6. PRIOR TO BEGINNING WORK, ALL ELECTRICAL EQUIPMENT AND SYSTEMS SHALL BE OPERATED IN THE PRESENCE OF REPRESENTATIVES OF THE CONTRACTOR AND REPRESENTATIVES OF PALM BEACH COUNTY, IN ORDER TO ESTABLISH THAT ALL SYSTEMS ARE IN PROPER WORKING ORDER AT THE START OF THE PROJECT. UPON COMPLETION OF THE ABOVE TEST, THE CONTRACTOR SHALL SUBMIT A DETAILED LISTING INDICATING ANY ITEMS NOTED WHICH ARE NOT IN FULLY OPERATIONAL CONDITION. THIS LISTING SHALL BE SIGNED BY ALL PARTIES PRESENT AT THE TEST. COMMENCEMENT OF WORK PRIOR TO THE ABOVE SHALL CONSTITUTE ACCEPTANCE OF ALL SYSTEMS BY THE CONTRACTOR IN FULLY OPERATIONAL CONDITION. THE CONTRACTOR SHALL HAVE ALL ELECTRICAL SYSTEMS BACK IN WORKING ORDER PRIOR TO SUBSTANTIAL COMPLETION OF THE PROJECT.

LIGHTNING PROTECTION NOTE:

THIS PROJECT INCLUDES A COMPLETE LIGHTNING PROTECTION SYSTEM, REFER TO SPECIFICATION SECTION FOR SPECIFIC REQUIREMENTS. ALUMINUM COMPONENTS SHALL NOT BE INSTALLED ON COPPER MATERIALS AND COPPER COMPONENTS SHALL NOT BE USED ON ALUMINUM MATERIALS, CONTRACTOR SHALL SUBMIT PLANS OF THIS SYSTEM.

PROVIDE LIGHTNING PROTECTION SYSTEM ACCORDING TO THE FOLLOWING CRITERIA:

1. ALL NEW BUILDINGS, CANOPIES AND STRUCTURES SHALL HAVE LIGHTNING PROTECTION.

PLAN NOTES:

1. EXISTING FPL 300KVA TRANSFORMER TO REMAIN.
2. EXISTING FIBER OPTIC LINES TO BE RELOCATED PRIOR TO CONSTRUCTION BY OWNERS VENDOR. FIBER OPTIC LINES SHOWN HERE FOR REFERENCE AND COORDINATION.
3. FIRST FLOOR ELECTRICAL ROOM. SEE SHEET E3.1 FOR ENLARGED PLAN OF THIS AREA.
4. EXISTING WALL MOUNTED DATA RACK IN BLDG. 2 OFFICE SPACE TO REMAIN. SHOWN FOR REFERENCE.
5. EXISTING WALL MOUNTED DATA RACK IN BLDG. 14 CLASSROOM #50 TO REMAIN. SHOWN FOR REFERENCE.
6. EXISTING BUILDING #16 FACP (NOTIFIER AFP-200). SEE RISER DIAGRAM FOR ADDITIONAL INFORMATION.
7. RUN 2#10, 1#10G-3/4"C. TO CIRCUIT 'STL1-11' VIA CONTACTOR 'CD-DD'.
8. BUILDING #20 TELECOM ROOM 20-106, SEE FLOOR PLAN.
9. SAWCUT EXISTING HARDSCAPE TO ACCOMMODATE TRENCHING AND BELOW GRADE ROUTING OF CONDUITS. PROVIDE SMOOTH AND LEVEL SURFACE TO MATCH EXISTING.
10. RUN TWO 2" CONDUITS TO EXISTING BUILDINGS FIRE ALARM CONTROL PANEL MONITORING AND CONTROLLING BUILDINGS WITHIN 60' OF PROPOSED BUILDING #20.
11. ROUTE CONDUITS ABOVE THE EXISTING CEILING AS REQUIRED.
12. RUN TWO 3" CONDUIT TO EXISTING BUILDING'S WALL MOUNTED TELECOM RACK.
13. COREDRILL WALL LOW, AND ROUTE CONDUITS WITHIN BUILDING. WEATHERPROOF OPENING AS REQURIED.
14. EXISTING BUILDING #2 FACP (NOTIFIER AFP-200). SEE RISER DIAGRAM FOR ADDITIONAL INFORMATION.

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STEM BUILDING
THE BENJAMIN SCHOOL- LOWER/MIDDLE SCHOOL
11000 Ellison Wilson Road, North Palm Beach, FL 33408
CONSTRUCTION DOCUMENTS

Comm. No:	16117.00
Job No:	117030
Date:	10-23-17
Drawn:	

Revisions		
No.	Date	Note

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE MIAMI-DADE BUILDING CODES.

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JLRD Project #:17030

E1.1