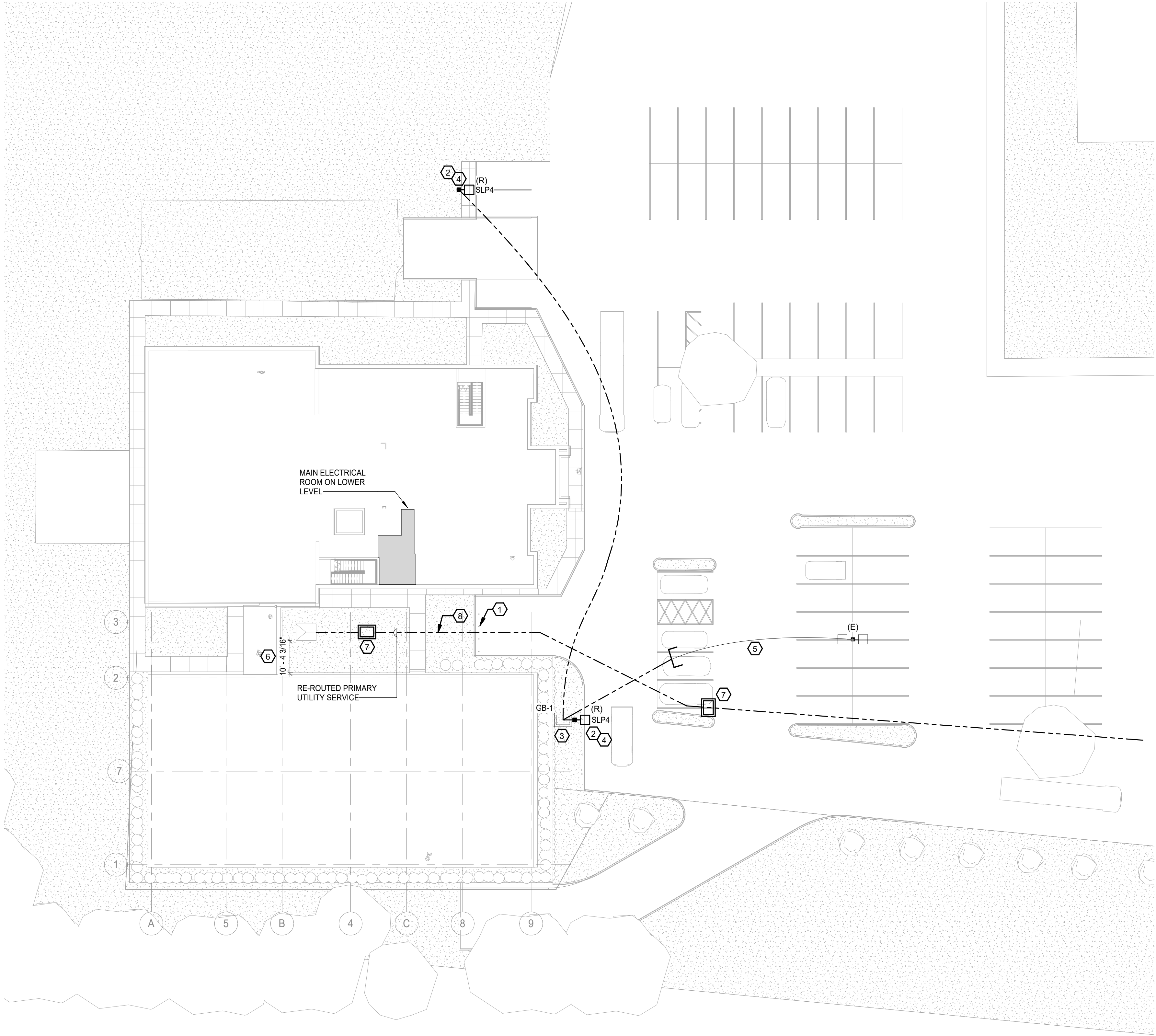


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LEVEL 1 - SITE PLAN

SCALE: 1" = 20'-0"



GENERAL SHEET NOTES:

- ROCK AND/OR ADVERSE SOIL CONDITIONS MAY BE PRESENT ON SITE. THE ELECTRICAL CONTRACTOR SHALL COORDINATE INSTALLATION REQUIREMENTS FOR ALL BELOW GRADE WORK WITH GEOTECHNICAL REPORT, AND SHALL INCLUDE IN HIS BID ANY WORK RELATED TO GEOTECHNICAL CONSIDERATIONS AS IT MAY PERTAIN TO THE INSTALLATION OF ALL SITE ELECTRICAL WORK INCLUDING, BUT NOT LIMITED TO: DUCTBANKS, FOUNDATIONS, FOOTERS, CONCRETE SLABS AND PADS, VAULTS, DIRECT BURIED CABLES OR CONDUITS, SITE LIGHTING POLE BASES, ETC.
- COORDINATE EXACT LOCATION OF ALL UNDERGROUND ELECTRICAL WORK WITH CIVIL ENGINEERING DRAWINGS AND DOCUMENTS, ALL OTHER SITE UTILITIES, AND SITE CONTRACTOR.
- ALL UNDERGROUND CONDUIT SHALL BE PVC SCHEDULE 40 OR SCHEDULE 80. REFER TO **DWG. SERIES E-500's** FOR TYPICAL DIRECT BURIED CONDUIT SECTION.
- THE ELECTRICAL CONTRACTOR SHALL INCLUDE IN HIS BID, ALL ELECTRIC UTILITY COMPANY CHARGES FOR PROVIDING SERVICE TO THE BUILDING, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: TRANSFORMERS, CONCRETE PADS/VAULTS, CABLES, DUCTS, TRENCHING, BACKFILL, CONCRETE ENCASEMENT, METERING, GROUNDING, ALL ANCILLARY EQUIPMENT AND DEVICES, ETC., AND ASSOCIATED LABOR FOR A COMPLETE INSTALLATION PER N.E.C. AND ELECTRIC UTILITY COMPANY REQUIREMENTS. ANY LOCAL UTILITY COMPANY CHARGES FOR PROVISION OF ELECTRICAL SERVICE SHALL BE INCLUDED IN THE ELECTRICAL CONTRACTOR'S BASE PRICE. AS A MINIMUM, THE INSTALLATION SHALL MEET THE SERVICE AND INSTALLATION REGULATIONS OF THE LOCAL UTILITY.
 - ROUTE UNDERGROUND PVC CONDUIT INCLUDING AT LEAST ONE SPARE CONDUIT IN ACCORDANCE WITH LOCAL UTILITY REGULATIONS TO THE LOCAL UTILITY CONNECTION POINT. PROVIDE PRIMARY CONDUCTORS PER THE LOCAL UTILITY UNLESS IT IS REQUIRED THAT CONDUCTORS BE PROVIDED BY THE LOCAL UTILITY. CONDUCTOR SIZE AND TYPE TO BE DETERMINED WITH THE LOCAL UTILITY. REVIEW THE CONNECTION POINT AND ROUTING WITH THE LOCAL UTILITY PRIOR TO START OF WORK. CONFIRM TRENCHING AND BURIAL DETAILS WITH LOCAL UTILITY PRIOR TO START OF WORK.
 - PROVIDE TRENCHING, FOR PRIMARY CABLES, BACKFILL, SAND & CONDUITS FROM EXISTING POWER COMPANY PRIMARY POLE TO TRANSFORMER. CONDUITS SHALL BE RUN VERTICAL UP POLE TO A HEIGHT AS DETERMINED BY THE UTILITY COMPANY. ALL PRIMARY CABLE & TERMINATIONS SHALL BE PROVIDED BY THE UTILITY COMPANY. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONCRETE WORK, TRENCHING, BACKFILL, ASPHALT PATCHING AND RESEEDING AS PART OF THIS CONTRACT. **ELECTRICAL CONTRACTOR SHALL SAW CUT & PATCH THE EXISTING ASPHALT ROADWAY FOR NEW SERVICE ENTRANCE DUCTBANK.**

SHEET KEY NOTES:

- COORDINATE WITH CIVIL DRAWINGS FOR REMOVABLE BOLLARDS FOR TRANSFORMER SERVICING. TYPICAL OF FOUR.
- RE-INSTALL SITE LIGHTING POLE SAVAGED DURING DEMOLITION ON SAME LOCATION.
- EXTEND SITE LIGHTING BRANCH CIRCUITING MAINTAINED DURING DEMOLITION INTERCEPTED IN GROUND BOX GB-1.
- INSTALL NEW POLE MOUNTED ON A 3-FEET HEIGHT CONCRETE BASE ABOVE GRADE. REFER TO E5.12 FOR POLE BASE DETAIL.
- EXISTING BRANCH CIRCUIT ROUTING TO BE VERIFIED ON SITE.
- COORDINATE WITH ARCHITECT PRIOR TO START OF CONSTRUCTION; FRONT OF UTILITY TRANSFORMER REQUIRES NO LESS THAN 10-FT CLEARANCE OF ALL OBSTACLES PER UTILITY CONSTRUCTION STANDARDS.
- NEW PULL VAULT TO HAVE H20 TRAFFIC RATED LID COORDINATE FINAL LOCATION WITH UTILITY AND ARCHITECT PRIOR TO START OF WORK.
- UNDERGROUND CONDUIT TO BE DEFINED AS 2-5". COORDINATE WITH UTILITY FOR FURTHER DIRECTION.

UTILITY COORDINATION CONTACT STICKER					
	PROVIDED BY:			PROVIDED BY:	
	CONTRACTOR	UTILITY		CONTRACTOR	UTILITY
PRIMARY CONDUIT:	☒	☐	TRANSFORMER TERMINATIONS:	☐	☒
PRIMARY CONDUCTORS:	☐	☒			
UTILITY POINT OF CONTACT: FIRST ENERGY SCOTT VETROVSKY 735 BRADLEY ROAD, WESTLAKE, OH, 44145 svetrovsky@firstenergycorp.com (216) 645-5264					
UTILITY COORDINATION NOTES: A. DIVISION 26 DOCUMENTS REFLECT THE BEST UNDERSTANDING OF THE SCOPE OF WORK FOR UTILITY SERVICE TO THE BUILDING BASED ON THE UTILITY'S ELECTRICAL CONSTRUCTION STANDARDS. ABOVE CHECKLIST SHOWS DIVISION OF WORK FOR ELECTRICAL SERVICE TO THE SITE BASED ON THOSE STANDARDS. B. PRIOR TO START OF WORK, CONTACT UTILITY TO CONFIRM SCOPE OF WORK. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETE PAPERWORK FOR REVISED ELECTRICAL SERVICE TO THE SITE. C. PRIOR TO ORDERING ELECTRICAL EQUIPMENT, THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE AVAILABLE FAULT CURRENT AT THE POINT OF SERVICE. EQUIPMENT ORDERED PRIOR TO VERIFYING THIS INFORMATION THAT IS UNDERRATED FOR THE AVAILABLE FAULT CURRENT IS SUBJECT TO REPLACEMENT AT NO COST TO OWNER. D. PROVIDE ALL ITEMS INDICATED ABOVE AS "PROVIDED BY: CONTRACTOR" PER DETAILS INDICATED ON THESE DRAWINGS AND/OR UTILITY COMPANY SPECIFICATIONS. COORDINATE ALL REQUIREMENTS WITH UTILITY COMPANY. E. PROVIDE TRENCHING, BACKFILL, SAND, ETC. FOR ITEMS INDICATED ABOVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONCRETE WORK, TRENCHING, BACKFILL, ASPHALT PATCHING AND RE-SEEDING AS PART OF THIS CONTRACT. F. PROVIDE AND TEST THE UTILITY COMPANY GROUNDING SYSTEM. THE MAXIMUM ALLOWABLE IMPEDANCE SHALL BE 25 OHMS TO GROUND. PROVIDE ADDITIONAL GROUND RODS, IF REQUIRED, TO ACHIEVE THIS LEVEL. GROUND RODS SHALL BE DRIVEN VERTICALLY. IF ROCK IS ENCOUNTERED, THEN GROUND RODS MAY BE DRIVEN AT A DIAGONAL BUT IN NO CASE SHALL GROUND RODS BE LESS THAN 10'-0" LONG.					



Julie Billiart School
Julie Billiart Westlake Expansion

3600 Crocker Rd.
Westlake, OH 44145



Issue Description: DEVELOPMENT PLANS		
Revision Schedule		
#	DATE	DESCRIPTION

Project #:	25058
Issue Date:	08/12/2026

E2.00

SITE ELECTRICAL
PLAN