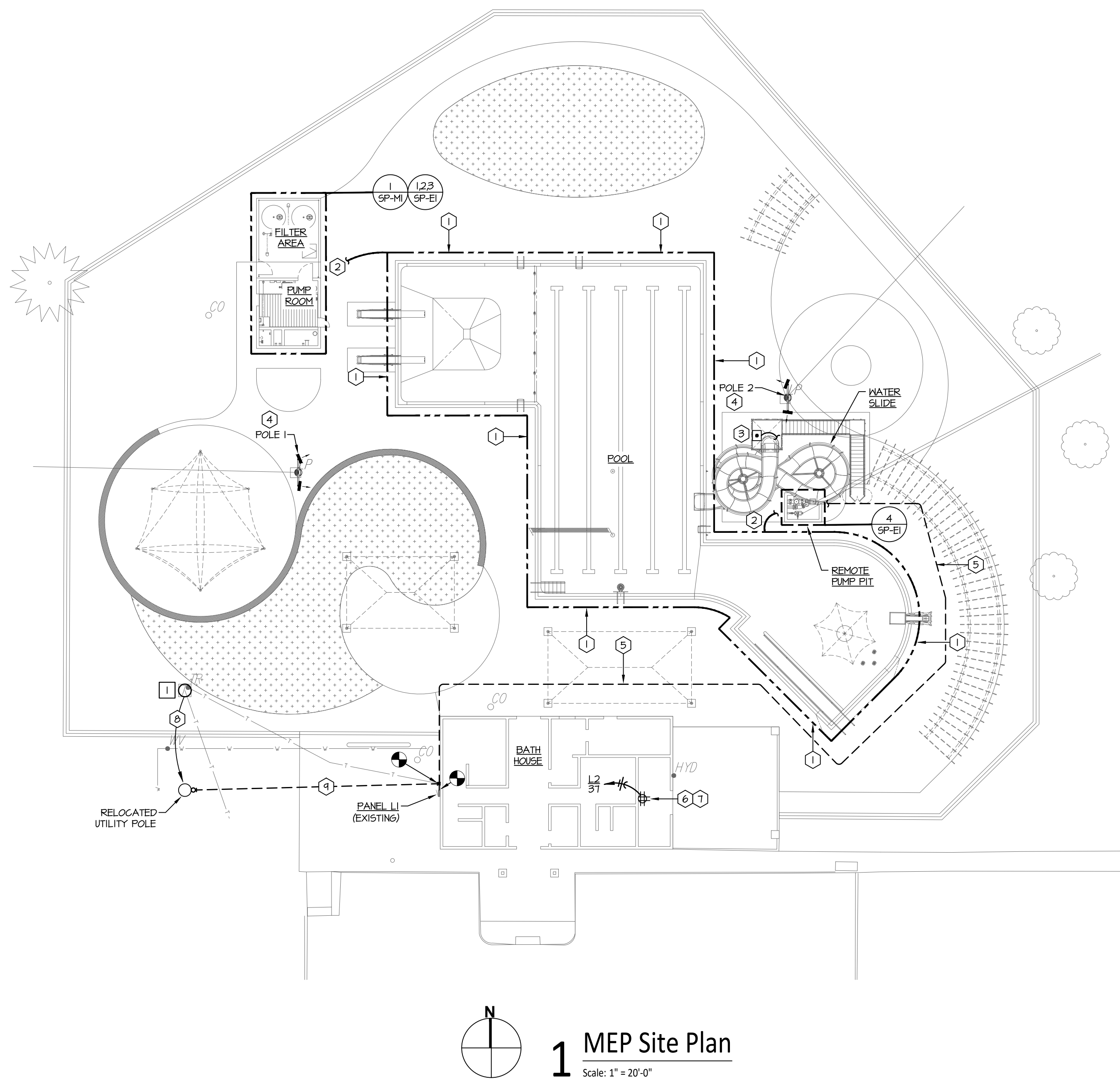


2 Equipotential Bonding Schematic
Scale: None



1 MEP Site Plan
Scale: 1" = 20'-0"

- GENERAL NOTES:**
THE FOLLOWING NOTES SHALL APPLY TO ALL WORK SHOWN ON SHEETS SP-ME1, SP-ME2, SP-MI, SP-E1, SP-E2, AND SP-E3 AND SHALL SUPERSEDE REQUIREMENTS DEFINED IN SPECIFICATIONS.
- UNLESS NOTED OTHERWISE, ALL CONDUITS SHALL BE SCHEDULE 40 FVG WITH BARE COPPER GROUND WIRE. ALL CONDUIT SHALL BE RUN PARALLEL OR PERPENDICULAR TO THE BUILDING SURFACES. ALL EMPTY CONDUIT SYSTEMS SHALL BE PROVIDED WITH FULL STRINGERS.
 - ALL POWER WIRES AND CABLES SHALL BE COPPER #12 AWG, UNLESS NOTED OTHERWISE. WIRE SHALL BE CODE TYPE THHN OR THHN.
 - JUNCTION, PULL, RECEPTACLE, AND LIGHT FIXTURE BOXES SHALL BE FVG.
 - ALL FLUSH MOUNTING DEVICES SHALL BE PROVIDED WITH JUMBO PANS & 4 SEYMOUR STAINLESS STEEL COVER PLATES. COVER PLATES FOR MOUNTING DEVICES IN SURFACE BOXES SHALL BE STAINLESS STEEL UTILITY BOX COVERS, RAISED 1/4".
 - PROVIDE THE LIGHT FIXTURES AS SCHEDULED. MATERIAL, TRIM, EQUIPMENT OR SERVICES NECESSARY TO COMPLETE THE INSTALLATION OF THESE FIXTURES, BUT NOT SPECIFICALLY MENTIONED, SHALL BE FURNISHED AS THOUGH SPECIFIED.
 - ALL ELECTRICAL EQUIPMENT AND INSTALLATION SHALL MEET THE REQUIREMENTS OF NEC ARTICLE 680. ALL EQUIPMENT IN AND AROUND THE POOL SHALL BE UL LISTED AND APPROVED FOR POOL USE.
 - FOR ALL ELECTRICAL ENCLOSURES, PANELS, MCC, TRANSFORMERS, ETC., PROVIDE BLACK PHENOLIC PLASTIC TAGS WITH WHITE LETTERING. TAGS SHALL CLEARLY DESCRIBE CONTENTS OF ENCLOSURE OR FUNCTION OF DEVICE AND SHALL BE MECHANICALLY FASTENED TO THE ENCLOSURE. ADHESIVE FASTENING SHALL NOT BE ACCEPTABLE.
 - ALL ELECTRICAL EQUIPMENT IN ENCLOSED PUMP PITS AND FILTER AREAS SHALL BE IN NEMA-4 ENCLOSURES. ALL EXTERIOR ELECTRICAL EQUIPMENT SHALL BE NEMA-3R ENCLOSURES. ALL ELECTRICAL EQUIPMENT IN DEDICATED MECHANICAL/ELECTRICAL ROOMS SHALL BE NEMA-1. THIS NOTE SHALL APPLY UNLESS NOTED OTHERWISE ON DRAWINGS.
 - ALL BELOW GRADE CONDUITS ON SITE SHALL BE ROUTED IN GRANULAR FILL OR LOWER, AND NOT WITHIN THE CONCRETE DECK.

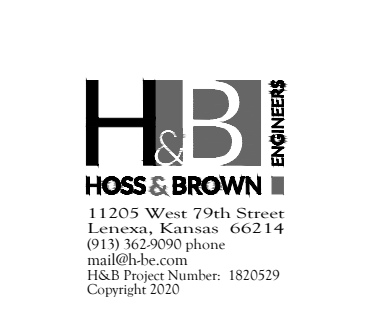
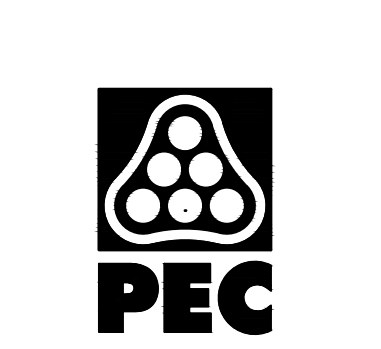
- DEMO WORK PLAN NOTES:**
- EXISTING UTILITY POLE - EXISTING UTILITY POLE SHALL BE RELOCATED TO APPROXIMATE LOCATION AS SHOWN. TELECOM FEEDER RELOCATION SHALL BE COORDINATED WITH TELECOM COMPANY. ELECTRICAL TRANSFORMER AND FEEDER RELOCATION SHALL BE COORDINATED WITH ELECTRICAL UTILITY.

- ELECTRICAL PLAN NOTES:**
- #8 SOLID BARE COPPER SPRAYGROUND BONDING LOOP BOND ALL METALLIC ITEMS AS REQUIRED BY THE NATIONAL ELECTRIC CODE 680.26. INSTALL BONDING LOOP 48" (4'-0") FROM INSIDE FACE OF SPRAYGROUND AND NO DEEPER THAN 12" BELOW THE FINISHED DECK ELEVATION. SEE DETAIL #25-SP-ME2 FOR FURTHER INFORMATION. REMOVE CONCRETE TO BOND TO REBAR ON EARTH SIDE OF POOL STRUCTURE. PATCH AND REPAIR CONCRETE PER POOL SPECS.
 - EXTEND #8 BONDING WIRE INTO PUMP ROOM AND PUMP PIT AND BOND TO PUMPS.
 - PROVIDE KEYS START / MOMENTARY STOP STATION MOUNTED TO SLIDE PLATFORM. COORDINATE EXACT LOCATION WITH POOL ENGINEER DURING CONSTRUCTION. ROUTE START/STOP WIRING BETWEEN START/STOP STATION AND SLIDE PUMP VFD AS NOTED ON PUMP SCHEMATIC FOUND ON SHEET SP-E2.
 - PROVIDE NEW SECURITY FLOODLIGHTING AS SCHEDULED AND AIM AS SHOWN. FLOODLIGHTING SHALL UTILIZE EXISTING POLES, FEEDERS, AND CONTROLS. PROVIDE MOUNTING HARDWARE AS REQUIRED TO ACCOMMODATE NEW FLOODLIGHTING.
 - PROVIDE POWER TO REMOTE PUMP PIT FROM PANEL L1. REFER TO VARIABLE FREQUENCY DRIVE SCHEDULE FOR FEEDER SIZING.
 - PROVIDE WALL-MOUNTED IT RACK, HOFFMAN EMM42425 AND PROVIDE DEDICATED ISOLATED CIRCUIT TO QUAD RECEPTACLE WITHIN IT RACK. CONDUIT SHALL BE CONCEALED WITHIN WALLS AND ABOVE CEILING. CONFIRM RACK LOCATION, MODEL NUMBER, AND MOUNTING HEIGHT WITH OWNER. CIRCUIT GROUNDING CONDUCTOR SHALL BE CONNECTED TO THE TELECOMMUNICATIONS MAIN GROUND BAR. LOCATION TO BE FIELD VERIFIED BY CONTRACTOR.
 - PROVIDE (1) CAT6 PLENUM RATED DATA CABLE WITHIN 3/4" C. FROM IT RACK TO EACH POINT OF SALE AND TO THE FILTER BUILDING. CONDUIT SHALL BE CONCEALED WITHIN WALLS AND ABOVE CEILING. CONDUIT TO FILTER BUILDING SHALL EXIT THE BATHHOUSE ADJACENT TO PANEL L1 ON THE WEST SIDE OF THE BUILDING. CONFIRM LOCATIONS AND ROUTINGS WITH OWNER PRIOR TO CONSTRUCTION. CABLE SHALL BE BLUE 23/4 SOLID CU CAT6 PLENUM RATED DATA CABLE BY SOUTHWIRE, MODEL 56418044 OR EQUAL.
 - CONTRACTOR SHALL COORDINATE RELOCATION OF EXISTING UTILITY POLE AND FEEDERS WITH ELECTRICAL AND TELECOM COMPANIES.
 - CONTRACTOR SHALL PROVIDE A NEW BELOW GRADE PRIMARY FEEDER BETWEEN RELOCATED UTILITY TRANSFORMER AND CT CABINET ON THE SIDE OF THE BUILDING. CONTRACTOR SHALL PATCH AND REPAIR ALL SIDEWALKS DISTURBED DURING CONSTRUCTION. AT CONTRACTOR'S OPTION, AS SITE CONDITIONS ALLOW, THE CONTRACTOR MAY RE-USE EXISTING CONDUIT BELOW SIDEWALK TO AVOID DEMOLITION OF SIDEWALK. ADDITIONAL CONDUIT TO MATCH EXISTING SHALL BE PROVIDED BEYOND THE SIDEWALK, AND NEW WIRES SHALL BE PROVIDED. REFER TO ELECTRICAL RISER DIAGRAM FOR FEEDER INFORMATION.

FLOODLIGHT FIXTURE SCHEDULE

POLE	MANUF.	MODEL	165W HEAD	600W HEADS	TOTAL HEADS	BALLAST TYPE	VOLTS	MOUNTING	EMERG BUTTON	DECK RCPT	SPEAKER HOLE	MIC HOLE	ANTENNA HOLE	TOTAL WATTS	NOTES
1	LITHONIA	HLFI-PI-40K-WFL-MVOLT-15-UBV	2	0	2	ELECTRONIC	120V	POLE MOUNTED	NO	NO	NO	NO	NO	330	-
2	LITHONIA	HLFI-PI-40K-WFL-MVOLT-15-UBV	2	0	2	ELECTRONIC	120V	POLE MOUNTED	NO	NO	NO	NO	NO	330	-

- NOTES:**
- GENERAL NOTES (APPLIES TO ALL ABOVE):**
- THESE FIXTURES ARE TO BE MOUNTED ON EXISTING POLES. MOUNTING SLIPFITTER HARDWARE SHALL BE PROVIDED AS REQUIRED TO MOUNT TO EXISTING POLES.
 - ALL FLOODLIGHTS ON POLE SHALL HAVE MANUFACTURER'S UPPER VISOR.
 - FIXTURES SHALL BE AIMED AT 45 DEGREES DOWN FROM THE HORIZONTAL PLANE.
 - 165W HEADS ARE SECURITY FIXTURES.



WICHITA, KANSAS
Pool Improvements
HARVEST PARK



CASEY JOHN STEINER
LICENSE #19423
Date: 8-14-20 Job #: 1820529
Drawn: CDW Checked: MST
Issue: CONSTRUCTION DOCUMENTS

MEP SITE PLAN