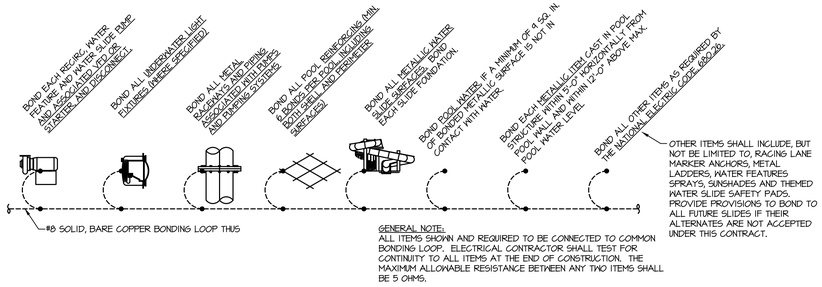
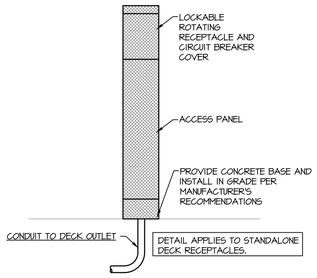


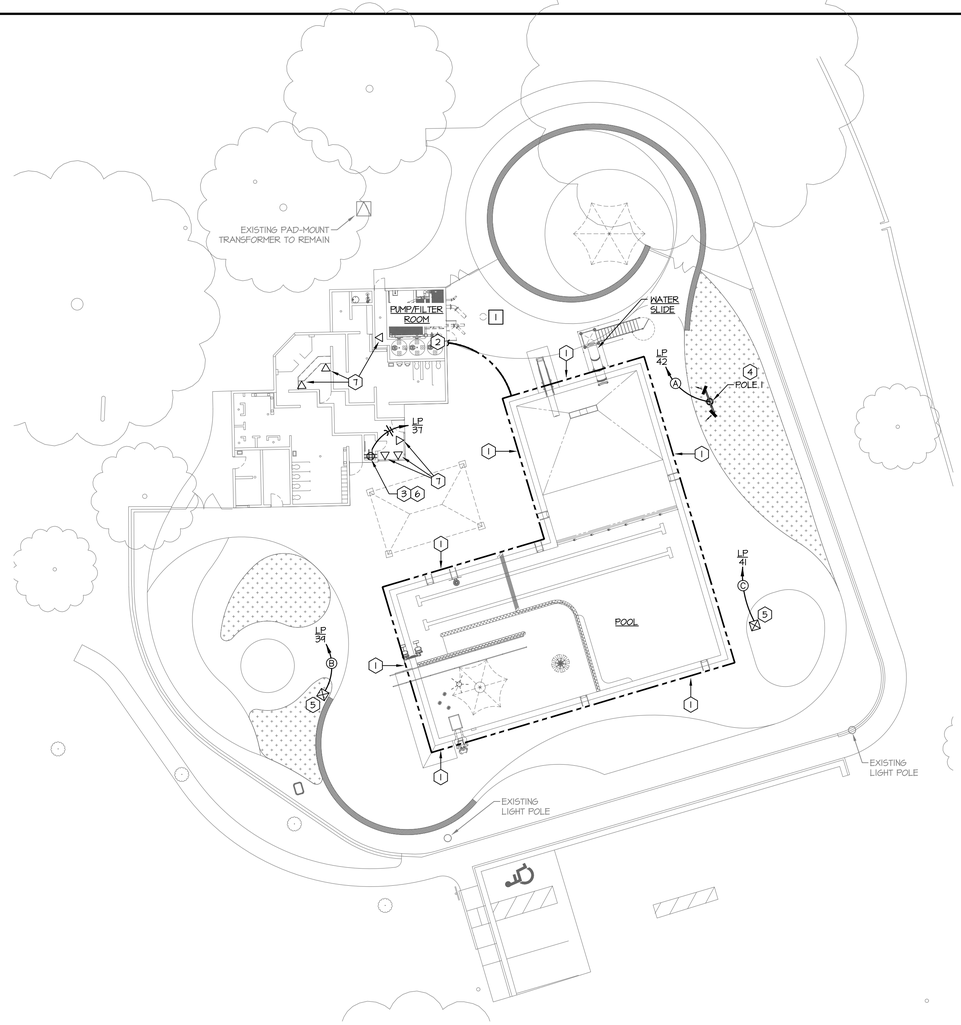

## 2 Equipotential Bonding Schematic

Scale: None



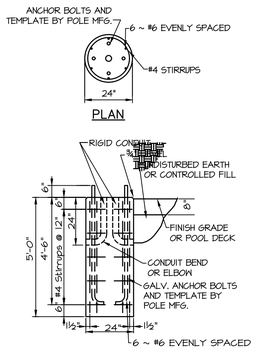

## 3 Pedestal Deck Receptacle Detail

Scale: None




## 1 MEP Site Plan

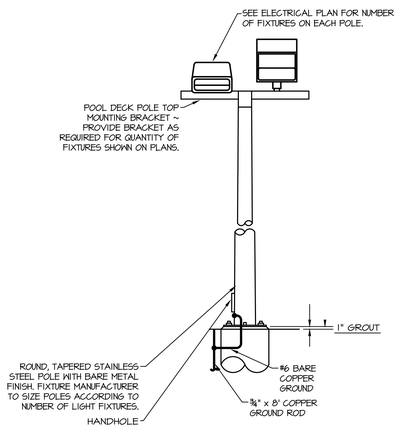
Scale: 1" = 20'-0"




NOTES:
A. ADJUST OVERALL DEPTH AS NEEDED TO EXTEND POLE BASE INTO UNDISTURBED EARTH OR CONTROLLED FILL A MINIMUM OF 5'-0".
B. POLE MANUFACTURER SHALL PROVIDE FOR ALL FORCES CREATED BY LIGHT FIXTURES AND ASSOCIATED SUPPORTS AND DEVICES.
C. NO FIELD MODIFICATIONS TO THE POLE WILL BE ALLOWED WITHOUT WRITTEN PERMISSION FROM THE MANUFACTURER.
D. ROUTE FEEDER THROUGH POLE BASE AND POLE TO OUTLET PANEL.

## 5 Pool Floodlight Pole Base Detail

Scale: None




## 4 Pool Floodlight Detail

Scale: None

## GENERAL NOTES:

THE FOLLOWING NOTES SHALL APPLY TO ALL WORK SHOWN ON SHEETS SP-ME1, SP-ME2, SP-MI, SP-EI, SP-E2, AND SP-E3 AND SHALL SUPERSEDE REQUIREMENTS DEFINED IN SPECIFICATIONS:

A. UNLESS NOTED OTHERWISE, ALL CONDUITS SHALL BE SCHEDULE 40 PVC 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 PULL STRINGS.
B. ALL POWER WIRES AND CABLES SHALL BE COPPER, #12 AWG, UNLESS NOTED OTHERWISE. WIRE SHALL BE CODE TYPE THHN OR THWN.
C. JUNCTION, PULL, RECEPTACLE, AND LIGHT FIXTURE BOXES SHALL BE PVC.
D. ALL FLUSH WIRING DEVICES SHALL BE PROVIDED WITH JUMBO PASS & SEYMOUR STAINLESS STEEL COVER PLATES. COVER PLATES FOR WIRING DEVICES IN SURFACE BOXES SHALL BE STAINLESS STEEL UTILITY BOX COVERS, RAISED 1/4".
E. 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.
F. 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.
G. 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.
H. 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.
I. ALL BELOW GRADE CONDUITS ON SITE SHALL BE ROUTED IN GRANULAR FILL OR LOWER, AND NOT WITHIN THE CONCRETE DECK.

## (#) DEMO WORK PLAN NOTES:

1. REMOVE FLOODLIGHT POLE BASE - REMOVE FLOODLIGHT POLE BASE AND ELECTRICAL FEEDERS.

## (#) ELECTRICAL PLAN NOTES:

1. #8 SOLID BARE COPPER SPRAYGROUND BONDING LOOP. BOND ALL METALLIC ITEMS AS REQUIRED BY THE NATIONAL ELECTRIC CODE, 680.26. INSTALL BONDING LOOP 48" (+/- 6") FROM INSIDE FACE OF SPRAYGROUND AND NO DEEPER THAN 12" BELOW THE FINISHED DECK ELEVATION. SEE DETAIL #2/SP-ME2 FOR FURTHER INFORMATION. REMOVE CONCRETE TO BOND TO REBAR ON EARTHSIDE OF POOL STRUCTURE. PATCH AND REPAIR CONCRETE PER POOL SPECS.
2. EXTEND #8 BONDING WIRE INTO FILTER AREA OR PUMP PIT AND BOND TO PUMPS.
3. PROVIDE (1) CAT6 DATA CABLE WITHIN 3/4" C. FROM IT RACK TO EACH POINT OF SALE AND TO THE FILTER AREA. CONDUIT SHALL BE CONCEALED WITHIN WALLS AND ABOVE CEILINGS. CONFIRM LOCATIONS AND ROUTING WITH OWNER PRIOR TO CONSTRUCTION. CABLE SHALL BE BLUE 23/4 SOLID CU CAT6 PLENUM RATED DATA CABLE BY SOUTHWIRE, MODEL 56418044 OR EQUAL.
4. PROVIDE NEW FLOODLIGHT POLE, FLOODLIGHTS, AND CONCRETE BASE. ROUTE NEW FEEDER THROUGH EXISTING TIMECLOCK PRIOR TO CONNECTION TO ELECTRICAL PANEL. EXISTING TIMECLOCK LOCATION SHALL BE FIELD VERIFIED BY CONTRACTOR. REFER TO FLOODLIGHT FIXTURE SCHEDULE FOR MORE INFORMATION.
5. DECK RECEPTACLE - PROVIDE PEDESTAL MOUNTED POWER OUTLET PANEL TYPICAL OF SQUARE D SERVICE PACK 11C WITH (2) 20A, 120V RECEPTACLES. ENCLOSURE SHALL BE NEMA-3R. AND RECEPTACLE SHALL BE GFI PROTECTED. REFERENCE PEDESTAL DECK RECEPTALE DETAIL ON THIS SHEET FOR MORE INFORMATION.
6. PROVIDE WALL-MOUNTED IT RACK, HOFFMAN ENMM242425 AND PROVIDE DEDICATED ISOLATED CIRCUIT TO QUAD RECEPTACLE WITHIN IT RACK. CONDUIT SHALL BE CONCEALED WITHIN WALLS AND ABOVE CEILINGS. 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.
7. PROVIDE DATA OUTLETS AT THESE APPROXIMATE LOCATIONS. CONFIRM LOCATIONS WITH OWNER PRIOR TO INSTALLATION.

### FEEDER SCHEDULE

(A) 2#10, #12G., 3/4" C.
(B) 2#4, #10G., 1" C.
(C) 2#3, #10G., 1" C.

### FLOODLIGHT FIXTURE SCHEDULE

| POLE | MANUF. | MODEL | 340W HEAD | 600W HEADS | TOTAL HEADS | BALLAST TYPE | VOLTS | MOUNTING | EMERG BUTTON | DECK RCPT | SPEAKER HOLE | MIC HOLE | ANTENNA HOLE | TOTAL WATTS | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | LITHONIA | HLF1-P4-40K-WFL-MVOLT-15-UBV | 2 | 0 | 2 | ELECTRONIC | UNV | POLE MOUNTED | NO | NO | NO | NO | NO | 680 | - |

NOTES:

GENERAL NOTES (APPLIES TO ALL ABOVE):
A. FLOODLIGHT HEADS TO BE YOKE MOUNTED ON 30' POLES. POLES SHALL BE BLACK IN COLOR, CONSULT POOL DESIGNER TO VERIFY COLOR PRIOR TO ORDERING.
B. ALL FLOODLIGHTS ON POLE SHALL HAVE MANUFACTURER'S UPPER VISOR.
C. FIXTURES SHALL BE AIMED AT 45 DEGREES DOWN FROM THE HORIZONTAL PLANE.
D. 340W HEADS ARE SECURITY FIXTURES.

waters edge AQUATIC DESIGN
11205 W. 79th St.
Lenexa, KS 66214
t. 913.438.4338
www.WeDesignPools.com
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HOSS & BROWN ENGINEERS
11205 West 79th Street
Lenexa, Kansas 66214
(913) 362-8900 phone
mail@hb-e.com
H&B Project Number: 1820529
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WICHITA, KANSAS
Pool Improvements
MINISA PARK

CITY OF WICHITA

Seal:
CASEY STEINER LICENSED KANSAS PROFESSIONAL ENGINEER 8/14/2020

CASEY JOHN STEINER
LICENSE #19423

Date: 8-14-20
Job #: 1820529
Drawn: CDW
Checked: MST
Issue: CONSTRUCTION DOCUMENTS

MEP SITE PLAN

SP-ME2

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