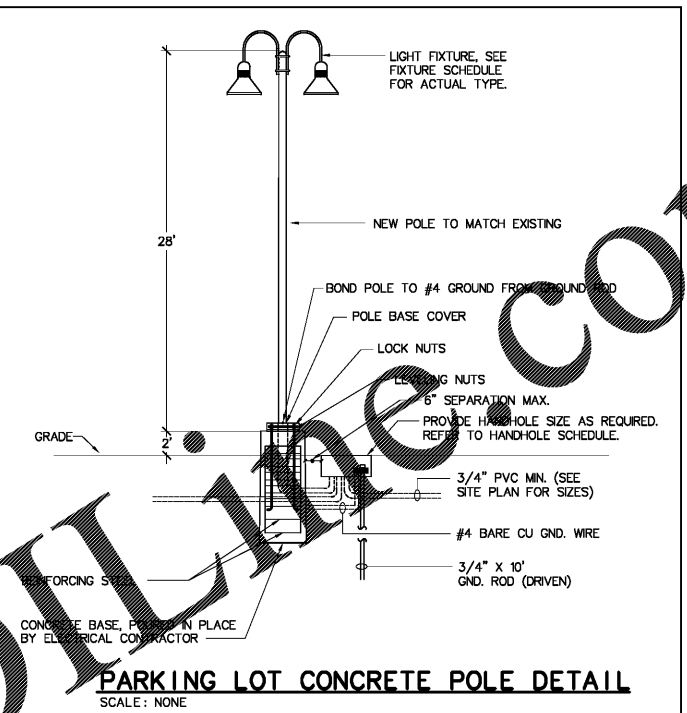


ELECTRICAL SITE PLAN
SCALE: 1"=20'-0"

- NOTES**
- UTILITY COMPANY PAD MOUNTED TRANSFORMER WITH 120/208 VOLT SECONDARY. EC SHALL PROVIDE CONCRETE PAD IN ACCORDANCE WITH UTILITY COMPANY SPECIFICATIONS. EC SHALL COORDINATE INSTALLATION OF THE PRIMARY CONDUIT AND ROUTING WITH UTILITY COMPANY.
 - SERVICE LATERAL FOR ELECTRICAL MAIN SERVICES. REFER TO RISER DIAGRAM ON SHEET E.3.1 FOR DETAIL.
 - EXISTING LIGHTING POLE TO REMAIN.
 - NEW LIGHTING POLE.
 - #10 AWG IN 3/4" C.
 - ELECTRICAL SERVICE LOCATION.



- GENERAL NOTES**
- AT EACH POLE LOCATION, THE CONTRACTOR SHALL PROVIDE A 3/4"x10' COPPER CLAD GROUND ROD CONNECTED TO A #4 BARE COPPER CONDUCTOR EXTENDED TO THE METAL POLE GROUNDING STUD. EQUIPMENT GROUNDING CONDUCTORS SHALL ALSO BE BONDED TO THE GROUND ROD. OPPOSITE END OF #4 CONDUCTOR SHALL BE BONDED TO TENON SLIP FITTER. ALL CONNECTIONS TO THE GROUND ROD SHALL BE BY EXOTHERMIC WELD CONNECTION.
 - ALL POLES ARE TO BE PROVIDED WITH GASKETED HAND HOLES (MINIMUM 3"x5").
 - PROVIDE ALL HARDWARE NECESSARY TO COMPLETE THE INTENDED INSTALLATION.
 - CONTRACTOR SHALL BE REQUIRED TO SUBMIT CALCULATIONS FROM THE POLE MANUFACTURER, SEALED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF FLORIDA, TO CERTIFY CONFORMANCE OF EACH ENTIRE POLE, BASE, AND FIXTURE ASSEMBLY TO THE FOLLOWING STANDARDS:
 - 90 MPH IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
 - 170 MPH IN ACCORDANCE WITH CALCULATIONS DICTATED IN THE FLORIDA BUILDING CODES.
 - CONTRACTOR IS TO FURNISH AND INSTALL IN-LINE BALLAST FUSES IN BUSEMAN "TRON" WEATHERPROOF FUSE HOLDERS #HEB-SERIES WITH KTK FUSES (SIZE AS REQUIRED). FUSE EACH LUMINAIRE SEPARATELY. FUSE TO BE LOCATED WITHIN POLE HAND HOLE.
 - AN IN-GROUND HANDHOLE SHALL BE INSTALLED AT EVERY POLE LOCATION WHETHER OR NOT INDICATED ON THE DRAWINGS. THE HANDHOLE SHALL BE SIZED TO CONTAIN ALL CONNECTOR KITS, AND GROUND RODS. ALL CONNECTIONS IN HANDHOLE SHALL BE MADE WITH WATERPROOF, SNAP-LOCK GEL FILLED CONNECTOR KITS EQUAL TO CMC #DSR2/O OR RAYCHEM #GTAP-2 AND KING "DRY-CONN" WIRE NUTS FOR FUSE TO FIXTURE CONNECTION.

MARK	DESCRIPTION
1H1 SMALL	POLYMER CONCRETE, UL LISTED, HANDHOLE WITH BOLT DOWN COVER AND OPEN BOTTOM. COVER TO BE LIFT OUT, LOCKING TYPE WITH (2) HEX HEAD BOLTS. COVER TO INDICATE "ELECTRIC". NOMINAL BOX SIZE: 11" X 10" X 12" QUAZITE #PG118BA12/PG118CA00-17. LANDSCAPED AREAS - UL TIER 5 QUAZITE #PG118BA12/PG118HA00-17. PAVED PARKING AREAS - UL TIER 10
1H2 MEDIUM	POLYMER CONCRETE, UL LISTED, HANDHOLE WITH BOLT DOWN COVER AND OPEN BOTTOM. COVER TO BE LIFT OUT, LOCKING TYPE WITH (2) HEX HEAD BOLTS. COVER TO INDICATE "ELECTRIC". NOMINAL BOX SIZE: 17" X 24" X 18" QUAZITE #PG1324BA18/PG1324CA00-17. LANDSCAPED AREAS - UL TIER 5 QUAZITE #PG118BA12/PG118HA00-17. PAVED PARKING AREAS - UL TIER 10
1H3 LARGE	POLYMER CONCRETE, UL LISTED, HANDHOLE WITH BOLT DOWN COVER AND OPEN BOTTOM. COVER TO BE LIFT OUT, LOCKING TYPE WITH (2) HEX HEAD BOLTS. COVER TO INDICATE "ELECTRIC". NOMINAL BOX SIZE: 17" X 30" X 24" QUAZITE #PG130BA24/PG130CA00-17. LANDSCAPE AREAS - UL TIER 5 QUAZITE #PG130BA24/PG130HA00-17. PAVED PARKING AREAS - UL TIER 10

- NOTES:**
- CONDUITS TO BE STUBBED A MINIMUM OF 4" ABOVE GRAVEL.
 - FURNISH AND INSTALL GRAVEL IN BOTTOM OF HANDHOLE FOR DRAINAGE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 - ALL CONNECTIONS IN HANDHOLE SHALL BE MADE WITH WATERPROOF, SNAP-LOCK GEL FILLED CONNECTOR KITS EQUAL TO CMC #DSR2/O OR RAYCHEM #GTAP-2 AND KING "DRY-CONN" WIRE NUTS FOR FUSE TO FIXTURE CONNECTION.

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 - DESIGN DEVELOPMENT
 - CONSTRUCTION DOCUMENTS

Drawing Title:
ELECTRICAL
SITE PLAN

Date: 05/24/17

Designed By: DS
Drawn By: SW
Reviewed By: DS

Comm. No. 170217

Revisions:

Job Number: 40103

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