SITE LIGHTING FIXTURE SCHEDULE

NOTE: VERIFY CEILING AND WALL CONSTRUCTION AND FINISHES WITH THE ARCHITECT'S DRAWINGS AND FINISH SCHEDULES FURNISH PROPER MOUNTING FRAMES, BRACKETS AND HARDWARE AS REQUIRED TO BE COMPATIBLE WITH ARCHITECTURAL FINISHES. MOUNTING HEIGHTS INDICATED ARE TO BOTTOM OF FIXTURE

TYPE	DESCRIPTION	LAMPS VOLTS	LAMPS NO.	LAMPS TYPE	MAX W.	MOUNTING	MANU. / MODEL No. (OR APPROVED EQUAL)
SA	SINGLE HEAD, POLE/ARM–MOUNTED FULL CUT–OFF LUMINAIRE: DIE–CAST ALUMINUM HOUSING, TOOLLESS LAMP ACCESS, ASYMMETRIC LIGHT DISTRIBUTION, TWIST LOCK PHOTOCELL RECEPTACLE WITH PHOTOCONTROL, TEXTURED SATIN ALUMINUM FINISH AND INTEGRAL –20° F HIGH POWER FACTOR BALLAST. U.L. LISTED FOR WET LOCATIONS AND DARK SKY COMPLIANT.	208	1	250W P.S.	298	ARM MOUNTED TO POLE 25'–0" A.F.F.	WIDELITE OPTRA OPP–250–A–208–SR–F2–TLR–PC–TBK SERIES
POLE	25 FT ROUND POLE W/ STEEL ANCHOR PLATE, W/ RECTANGULAR (3x4) HANDHOLE, W/ BASE COVER, W/ TEXTURED SATIN ALUMINUM FINISH. DRILL–MOUNT POLE FOR ONE (1) HEAD; 1 @ 90 DEG.	––	––	––	––	––	WIDELITE SR25–4 SERIES
SB	DOUBLE HEADED, POLE/ARM–MOUNTED FULL CUT–OFF LUMINAIRE: DIE–CAST ALUMINUM HOUSING, TOOLLESS LAMP ACCESS, ASYMMETRIC LIGHT DISTRIBUTION, TWIST LOCK PHOTOCELL RECEPTACLE WITH PHOTOCONTROL, TEXTURED SATIN ALUMINUM FINISH AND INTEGRAL –20° F HIGH POWER FACTOR BALLAST. U.L. LISTED FOR WET LOCATIONS AND DARK SKY COMPLIANT.	208	2	250W P.S.	596	ARM MOUNTED TO POLE 25'–0" A.F.F.	WIDELITE OPTRA OPP–250–A–208–SR–F2–TLR–PC–TBK SERIES
POLE	25 FT ROUND POLE W/ STEEL ANCHOR PLATE, W/ RECTANGULAR (3x4) HANDHOLE, W/ BASE COVER, W/ TEXTURED SATIN ALUMINUM FINISH. DRILL–MOUNT POLE FOR TWO (2) HEADS; 2 @ 180 DEG.	––	––	––	––	––	WIDELITE SR25–4 SERIES
SC	IN–GROUND FLOODLIGHT FOR FLAG POLES; W/ SPOT REFLECTOR, W/ ROCK GUARD, W/ BALLAST FOR METAL HALIDE LAMP.	120	1	175W M.H.	210	FLUSH IN GROUND	HADCO "14–G–SP–175MH–E" SERIES (IN–GROUND LIGHT)

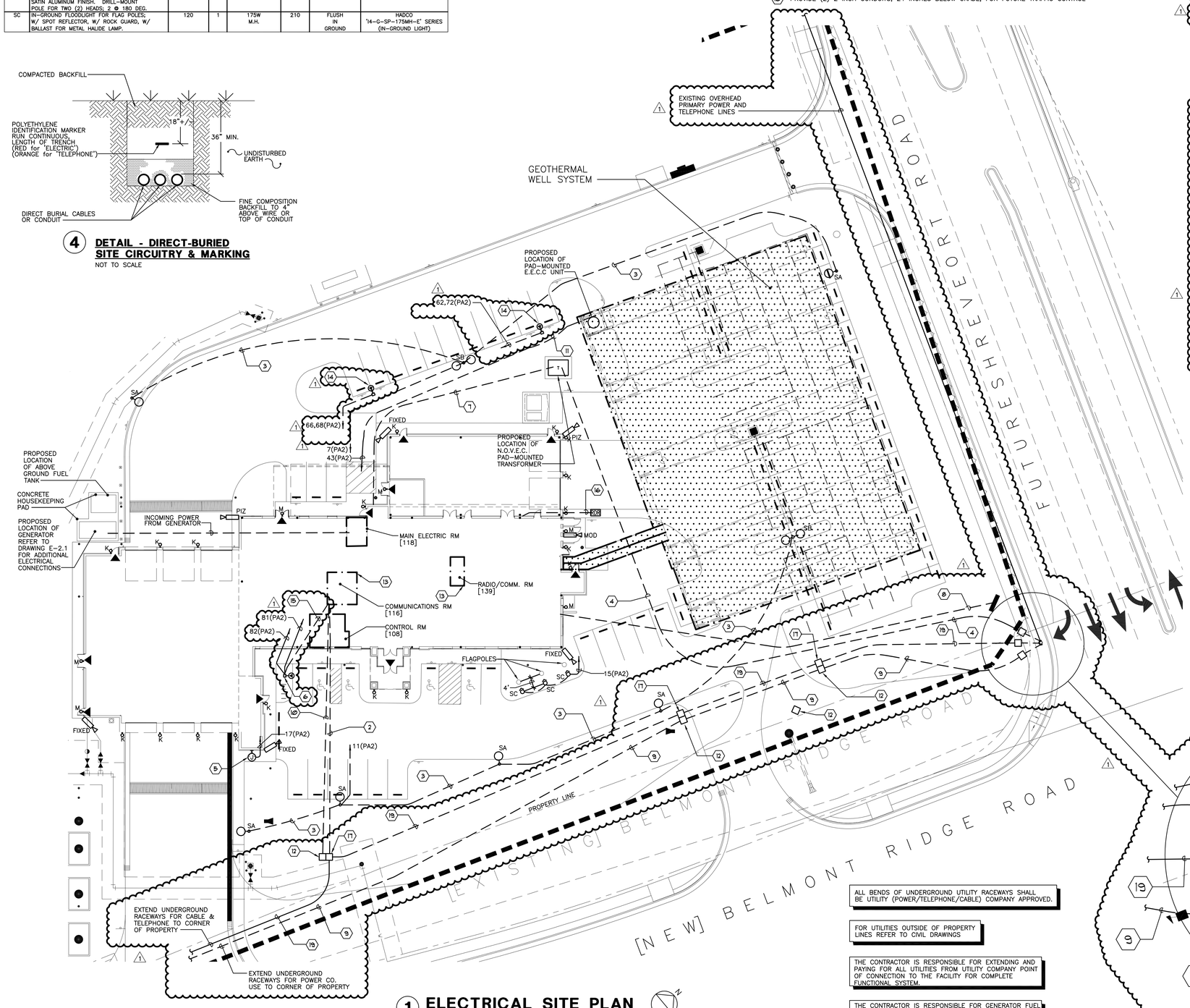
GENERAL NOTES (APPLIES TO DRAWING E0.2.1):

1. ALL SHOWN UTILITIES RELATED TO CONDUITS, PULL HANDHOLES, ETC. ARE TO BE SUPPLIED AND INSTALLED BY THE GENERAL CONTRACTOR. COORDINATE WITH THE UTILITY COMPANIES (POWER, TELEPHONE AND CABLE) FOR EXISTING OVERHEAD LINES REMOVAL, CONSTRUCTION PHASING, NEW SERVICES AND ASSOCIATED REQUIREMENTS PRIOR TO THE ACTUAL INSTALLATION OF ANY WORK.
2. POWER, TELEPHONE & CABLE LINES RELATED TO THE DEMOLITION, NEW FEEDERS AND EXTENSION OF THE UTILITIES RELATED TO THE SERVICES FEEDING THE FACILITY, ADJACENT EXISTING FACILITIES AND THE AREAS BEYOND THE SITE WILL BE THE RESPECTIVE UTILITY COMPANIES (POWER, TELEPHONE & CABLE).
3. CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES (POWER, TELEPHONE & CABLE) FOR EXACT REQUIREMENTS. CONDUITS CAN NOT BE STUBBED INSIDE WATER, SEWER OR STORM EASEMENTS.
4. CONTRACTORS SHALL COORDINATE ALSO WITH CIVIL ENGINEER, CIVIL DRAWINGS AND SITE CONDITIONS FOR THE EXACT ROUTING OF UNDERGROUND CONDUITS FOR UTILITY USEAGE.

SPECIFIC NOTES (APPLY TO DRAWING E0.2.1 WHERE INDICATED):

1. PROVIDE (2) CONDUITS – (1) AT 1" FOR POWER, (1) AT 1–1/2" FOR DATA.
2. PROVIDE (4) – 4" PVC CONDUITS W/ PULL STRINGS; (3) FOR TELEPHONE(COPPER/FIBER) & (1) FOR CABLE TELEVISION @ 30 INCHES BELOW FINISHED GRADE.
3. PROVIDE 2#10, 1#10G IN 1–1/2" PVC CONDUIT.
4. PROVIDE (2) – 6" PVC CONDUITS WITH PULL WIRE UNDERGROUND FOR PRIMARY ELECTRIC SERVICE TO PROPERTY LINE. FINAL LOCATION TO BE DETERMINED.
5. PROVIDE WEATHERPROOF JUNCTION BOX FOR CONNECTION OF SIGNAGE BACKLIGHTING. COORDINATE FINAL LOCATION WITH ARCHITECTURAL ELEVATIONS.
6. A BOLLARD–TYPE MULTI–LEVEL ELECTRIC VEHICLE CHARGING STATION; 12"X12"X50", W/ 'LEVEL 1' POWER (2.0KW/16A @ 120V = NEMA 5–20 NON–GFCI), & W/ 'LEVEL 2' POWER (7.2KW/30A @208V = SAE J1772 EV CONNECTOR & 18' CABLE), W/ INTEGRAL SURGE PROTECTION. DEVICES MOUNTED IN NEMA 3R ENCLOSURE. STATION SHALL ALSO HAVE WIRELESS NETWORK INTERFACE UP–GRADES, METERING, CHARGING NEEDS, ETC. VEHICLE CHARGING STATION SHALL BE EQUAL TO THE 'SIEMENS COMMUNITY MULTI–LEVEL' CHARGING STATION.
7. UNDERGROUND SECONDARY INCOMING ELECTRIC SERVICE; 6–WAY DUCTBANK W/ PULL STRINGS
8. PROVIDE (1) 1 INCH PVC CONDUIT BELOW FINISHED GRADE FOR POWER AND LIGHTING CONNECTIONS TO MONUMENT SIGN. EXTEND (3) 20A CIRCUITS WITH #8 CU WIRE, #10 CU GROUND AND CONNECT TO PANEL 'PA2'.
9. PROVIDE (4) 4 INCH PVC CONDUIT SLEEVES 36 INCHES BELOW GRADE FOR USE BY THE POWER COMPANY.
10. PROVIDE (2) 2 INCH CONDUITS, 24 INCHES BELOW GRADE, FOR FUTURE TRAFFIC CONTROL
11. PROVIDE (2) 1 INCH PVC CONDUITS BELOW FINISHED GRADE; (1) FOR 'LOW–VOLTAGE' INTRUSION DETECTION SYSTEM AND (1) FOR TANK LIGHTING CONNECTIONS AT E.E.C.C.
12. POWER COMPANY APPROVED IN–GROUND HANDHOLE. SIZE AS REQUIRED. DESIGN ALLOWANCE: UL LISTED, PRECAST POLYMER CONCRETE, 36"X36"X36", OPEN BOTTOM, 22K LOAD RATED W/ EXTRA HEAVY DUTY 'ELECTRIC' COVER PLATE, AS MANUFACTURED BY QUAZITE #PG3636BA36/PG3636HH0017P
13. PROVIDE (1) 4 INCH CONDUIT TO ROOF FOR ANTENNA. REFER TO DRAWING E5.3 FOR ADDITIONAL INFORMATION.
14. BOLT–DOWN, BOLLARD–TYPE, POST (6"X6"X42" SQUARE), W/ (2) DUPLEX RECEPTACLES, IN WEATHERPROOF ENCLOSURES. COVERPLATE TO RECEPTACLES SHALL BE OF THE TYPE THAT PROTECTS THE RECEPTACLE AND CONNECTIONS EVEN WHEN CORD IS LEFT PLUGGED IN. SEE DETAIL 3, THIS DRAWING.
15. PROVIDE 1" CONDUIT W/ PULL STRING, FROM VEHICLE CHARGING STATION TO COMMUNINCATIONS RM [116].
16. PROVIDE (1) – 3/4" LOW–VOLTAGE CONDUIT TO PEDESTAL MOUNTED CARD READER IN WEATHERPROOF ENCLOSURE.
17. TELEPHONE & CABLE COMPANY APPROVED IN–GROUND HANDHOLE. SIZE AS REQUIRED. DESIGN ALLOWANCE: UL LISTED, PRECAST POLYMER CONCRETE, 36"X36"X36", OPEN BOTTOM, 22K LOAD RATED W/ EXTRA HEAVY DUTY 'COMMUNICATION' COVER PLATE, AS MANUFACTURED BY QUAZITE #PG3636BA36/PG3636HH0012P
18. EXISTING 15 FOOT UTILITY POLE. 1) PROVIDE TWO (2) 6 INCH TURNED–UP RACEWAYS FOR PRIMARY ELECTRIC POWER SERVING [NEW] PAD–MOUNTED TRANSFORMER. 2) PROVIDE FOUR (4) 4 INCH TURNED–UP RACEWAYS FOR USE W/ FIRE STATION'S TELEPHONE, FIBER OPTICS AND CABLE. 3) PROVIDE TWO (2) 6 INCH TURNED–UP RACEWAYS FOR USE W/ PRIMARY SERVICE FOR COMMUNITY GRID SYSTEM. POWER COMPANY TO EVALUATE EXISTING CONDITIONS w/ PROPOSED NEW WORK AND UP–GRADE ACCORDINGLY.
19. PROVIDE (4) – 4" PVC CONDUITS W/ PULL STRINGS; (3) FOR TELEPHONE(COPPER/FIBER) & (1) FOR CABLE TELEVISION @ 36 INCHES BELOW FINISHED GRADE.

4 DETAIL - DIRECT-BURIED SITE CIRCUITRY & MARKING
NOT TO SCALE



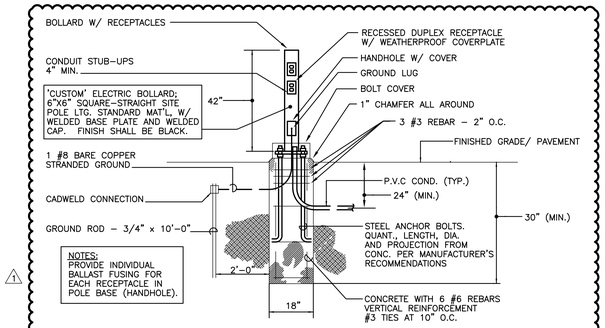
1 ELECTRICAL SITE PLAN
SCALE: 1" = 20'

ALL BENDS OF UNDERGROUND UTILITY RACEWAYS SHALL BE UTILITY (POWER/TELEPHONE/CABLE) COMPANY APPROVED.

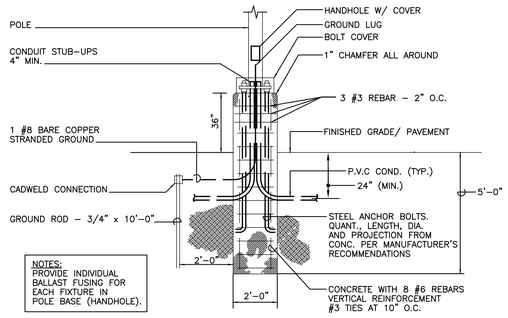
FOR UTILITIES OUTSIDE OF PROPERTY LINES REFER TO CIVIL DRAWINGS

THE CONTRACTOR IS RESPONSIBLE FOR EXTENDING AND PAYING FOR ALL UTILITIES FROM UTILITY COMPANY POINT OF CONNECTION TO THE FACILITY FOR COMPLETE FUNCTIONAL SYSTEM.

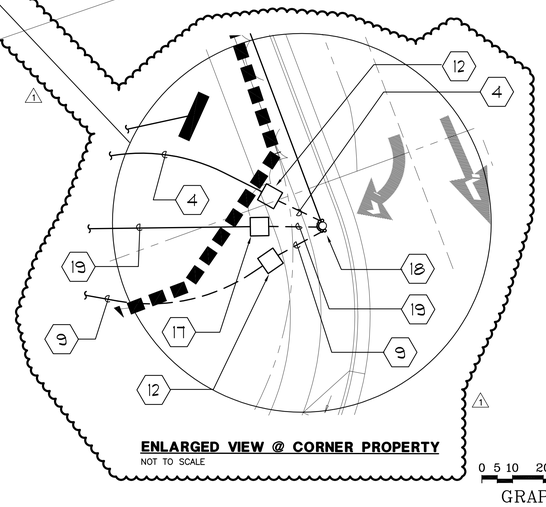
THE CONTRACTOR IS RESPONSIBLE FOR GENERATOR FUEL UNTIL SUCH DATE THE FACILITY IS TURNED OVER TO THE COUNTY. FUEL TANK SHALL BE FULL AT TURN OVER ACCEPTANCE.



3 DETAIL - RECEPTACLE BOLLARD & BASE
NOT TO SCALE



3 DETAIL - SITE LIGHTING POLE BASE
NOT TO SCALE



ENLARGED VIEW @ CORNER PROPERTY
NOT TO SCALE

0 5 10 20 30 60
GRAPHIC SCALE
1" = 20'–0"

No.	Description	Date	App.
	REVIEW SET	06/04/10	
	85% SUBMISSION	06/17/10	
	95% SUBMISSION	07/16/10	
	BID SET	07/30/10	
	100% SUBMISSION	08/27/10	
	ISSUED FOR PERMIT	09/15/10	
	CLIENT BID REVIEW SET	01/19/11	
	CLIENT REVIEW SET	03/02/11	
	BID SET	03/17/11	

Drawn: TRB
Checked: DAS
Approved: WJP
Issued: 03/17/11

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Sheet Contents:
ELECTRICAL SITE PLAN ALTERNATE

Scale: AS SHOWN

Dwg. No. **E0.2.1**

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