



ELECTRICAL SITE PLAN
SCALE: 1" = 30'-0"

GENERAL NOTES - SITE

1. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND COMPLETE CONTRACTUAL OBLIGATIONS.
2. ELECTRICAL CONTRACTOR SHALL CONTACT TELEPHONE COMPANY REGARDING EXACT LOCATION OF ALL PRIMARY SERVICE EQUIPMENT, TRENCH LOCATION, ETC.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY TELEPHONE TRENCHING, BACKFILL, AND CONDUIT STUBS INTO TRENCH AS REQUIRED BY TELEPHONE COMPANY AND TO THEIR SPECIFICATIONS.
4. ALL WIRING FOR OUTSIDE LIGHTING SHALL BE A MINIMUM OF #10 COPPER WITH TYPE THWN INSULATION. RUN UNDERGROUND CIRCUITS IN P.V.C. AND PROVIDE A #10 COPPER BOND IN ADDITION TO CIRCUIT CONDUCTORS. UNDERGROUND WIRING SHALL COMPLY WITH APPLICABLE CODES OF THE NEC.
5. ELECTRICAL CONTRACTOR SHALL PROVIDE NECESSARY SECONDARY CONDUCTORS, POWER TRENCHING, BACKFILL AND CONCRETE PADS FOR TRANSFORMERS AND SERVICE EQUIPMENT. ADDITIONALLY PROVIDE CONDUIT STUBS INTO TRENCH PER POWER COMPANY SPECIFICATIONS AND REQUIREMENTS.
6. ALL WIRING SHALL BE COPPER. WIRING #4 AWG AND LARGER SHALL BE XHHW TYPE INSULATION.

UTILITY COMPANY NOTES

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH SERVING UTILITY COMPANY AND THEIR SPECIFIC REQUIREMENTS WITHIN (5) DAYS OF AWARD OF CONTRACT.
2. PROVIDE SERVING UTILITY COMPANY WITH ONE (1) FULL SET OF PLANS INCLUDING SITE PLAN, ONE-LINE DIAGRAM, AND TOTAL LOAD SUMMARY.
3. CONFIRM ALL UTILITY COMPANY REQUIREMENTS PRIOR TO TRENCHING.
4. CONTRACTOR SHALL COORDINATE WITH SERVING UTILITY COMPANY IF AN UPGRADE IS REQUIRED TO UTILITY TRANSFORMER OR SECONDARY CONDUIT AND CONDUCTORS.
5. CONTRACTOR SHALL COORDINATE EXACT COSTS (PER AMP CHARGE, ECT.) OF ANY ADDITIONAL WORK WITH SERVING UTILITY COMPANY PRIOR TO START OF CONSTRUCTION.

UTILITY COMPANY CONTACT

Power Company:
SRP
Representative:
NEW CONSTRUCTION
Telephone #:
602-236-8833

PRIOR TO ANY GROUND
EXCAVATION CALL
BLUE STAKE
(602) 263-1100
(800) 782-5348

KEYED NOTES

- ① SERVICE ENTRANCE SECTION SEE ONE-LINE DIAGRAM. REFER TO ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- ② NEW PAD AND NEW PAD MOUNTED TRANSFORMER. VERIFY EXACT LOCATION AND INSTALLATION REQUIREMENTS WITH SERVING UTILITY COMPANY.
- ③ UNDERGROUND SECONDARY CONDUITS SEE ONE-LINE DIAGRAM FOR QUANTITIES.
- ④ UNDERGROUND PRIMARY CONDUITS TO UTILITY COMPANY PAD MOUNTED TRANSFORMER. COORDINATE EXACT QUANTITY AND SIZE WITH UTILITY CO.
- ⑤ APPROXIMATE LOCATION OF 4'x8'x3/4" PLYWOOD TELEPHONE MOUNTING BOARD WITH 1 #6 GROUND TO DESIGNATED SERVICE ENTRANCE GROUND BUS. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
- ⑥ PROVIDE (3) 4" UNDERGROUND COMMUNICATION SYSTEM EMPTY CONDUITS WITH PULLSTRING AND RIGID STEEL BENDS PER TELEPHONE COMPANY. COORDINATE EXACT TRENCHING, ROUTING AND POINT OF TERMINATION WITH TELEPHONE COMPANY.
- ⑦ PROVIDE WEATHERPROOF JUNCTION BOX FOR CONNECTION TO IRRIGATION CONTROLLER. VERIFY LOCATION WITH LANDSCAPE PLANS PRIOR TO ROUGH-IN.
- ⑧ ROUTE CIRCUIT VIA DIMMING LIGHTING RELAY CONTROL PANEL TO COMPLY WITH 2018 IECC EXTERIOR LIGHTING CONTROL REQUIREMENTS.
- ⑨ W.P. J.BOX FOR AUTOMATIC GATE MOTOR. 208V, 1Ø, 1 1/2HP (11FLA) WITH MOTOR-RATED SWITCH IN W.P. ENCLOSURE AS DISCONNECT MEAN. VERIFY EXACT LOCATION WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.

NOTE:
PRE-CURFEW DESIGN HOURS SHALL BE DESIGNED AS DUSK TO 10:00PM
AND POST-CURFEW DESIGN HOURS SHALL BE DEFINED AS 10:00PM UNTIL
DAWN. ALL EXTERIOR LIGHTS SHALL BE DIMMED BY 35% DURING
POST-CURFEW TO COMPLY WITH IECC 2018 C405.2.6. EXTERIOR LIGHTING
CONTROLS.

DESIGN CODES
IECC, 2018 NEC, 2017

ELECTRICAL CONTRACTOR SHALL NOTIFY
DESIGNER/ENGINEER PRIOR TO ANY DEVIATION
FROM THIS SET OF ELECTRICAL DESIGN PLANS.
ANY CHANGES TO THE DESIGN, IF APPROVED
BY ENGINEER, WILL REQUIRE REVISIONS TO
PLANS AND POSSIBLE ADDITIONAL SERVICE
FEE.

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Project #21058
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IF DRAWING IS NOT PLOTTED AT 24 X 36 THEY ARE NOT FULL SIZE



VIP PRODUCTS
GOODYEAR, AZ.
ELECTRICAL SITE PLAN

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