

A1 ELECTRICAL SITE PWR & LTG PLAN - AREA 6
SCALE 1" = 10'

GENERAL NOTES

- BUILDING PLANS PROVIDED BY SEPARATE CONTRACT.
- REFER TO ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS.
- REFER TO STRUCTURAL PLANS FOR BUILDING FOUNDATIONS.
- PROVIDE 100A/2P, 240 VOLT CIRCUIT TO COMM HUT FROM GUARD POST.
- PROVIDE CONDUIT TO PULL BOX FOR FUTURE 100A/2P, 240 VOLT CIRCUIT TO FUTURE STORM SHELTER.

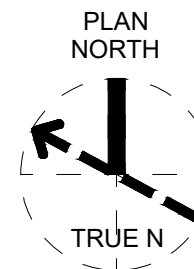
KEYNOTES

- PROVIDE 250 AMP PANELBOARD WITH CIRCUIT BREAKERS TO SERVE THE GUARD POST BUILDING. MOUNT PANELBOARD ON STEEL FRAMING AND BRACING. PROVIDE GROUNDING AND GROUND ROD ON TWO OPPOSITE CORNERS OF MOUNTING SUPPORT. PROVIDE FEEDER AND CONDUIT CONNECTION TO OECC PROVIDED TRANSFORMER. COORDINATE REQUIREMENTS AND CONNECTIONS WITH OECC.
- OECC PROVIDED TRANSFORMER FOR GUARD POST BUILDING. COORDINATE LOCATION, SECONDARY CONDUCTOR CONNECTIONS, GROUNDING, AND PAD.
- PROVIDE STANDBY PROPANE GENERATOR WITH NATURAL GAS OPTION IN WEATHERPROOF ENCLOSURE TO SERVE GUARD POST. PROVIDE GROUND ROD, EQUIPMENT PAD, CIRCUIT FOR BATTERY CHARGER.
- PROVIDE UNDERGROUND DUCT BANK AND CIRCUIT CONNECTION TO THE PREMANUFACTURED GUARD POST FROM SECONDARY SERVICE PANELBOARD. COORDINATE WITH GUARD POST MANUFACTURER AND BUILDING FOR REQUIREMENTS.
- CONDUIT EXTENSION TO THE STORM SHELTER BUILDING TO BE COMPLETED IN FUTURE PHASE. PROVIDE (2) 1-1/2" CONDUITS BACK TO GUARD POST.
- PRIMARY UTILITY DUCTBANK, CONDUIT, AND CONDUCTORS BY OECC ELECTRIC UTILITY.
- PROVIDE 480 VOLT, 2-POLE ROADWAY LIGHTING ON CONCRETE POLE BASE WITH GROUND ROD AND 30FT POLES. PROVIDE 15KVA STEP UP TRANSFORMER 208V/3PH/480V/3PH TO FEED THE SITE LIGHTING. PROVIDE UNDERGROUND CIRCUIT FROM 20 AMP/ 3-POLE CIRCUIT BREAKER ALTERNATING TO EACH FIXTURE TWO PHASES (AB, BC, AC) 3-48, 1-48 GROUND IN 1-INCH CONDUIT (2-48, 1-48 GROUND IN 1-INCH CONDUIT TO FIXTURE). PROVIDE FUSIBLE DISCONNECT IN CIRCUIT ACCESSIBLE FROM POLE HAND HOLE.
- OECC ELECTRIC UTILITY PRIMARY DUCT BANK PROVIDED BY OECC TO CONNECT TO EXISTING OECC SUBSTATION FEEDER. DUCT BANK IS SHOWN FOR REFERENCE ONLY.
- PROVIDE DUAL FUEL NATURAL GAS/PROPANE GENERATOR (CUMMINS C50-N6 OR APPROVED EQUAL). PROVIDE ADJACENT PROPANE TANK FOR 24 HOUR CAPACITY. PROVIDE (2) 2-1/2" , (2) 2" CONDUITS FROM GENERATOR PAD TO GUARD POST BUILDING TRANSFER SWITCH. REFER TO E-501 FOR FEEDER.
- PROVIDE (2) 2-1/2" CONDUITS FROM PANEL MP1 TO GUARD POST TRANSFER SWITCH.

LEGEND

- LIGHTING POLE
- E --- ELECTRICAL UNDERGROUND CONDUIT
- ES --- ELECTRICAL SECONDARY UNDERGROUND CONDUIT
- ▨ PANELBOARD
- ▲ TRANSFORMER

KEY PLAN



NABHOLZ

Jacobs

1989 Bayview Street, Suite 200
Emeryville, CA 94608
Tel: 214-838-0145
Fax: 214-838-0447
License # 178
License Type: Engineering
License Exp. Date: 02/1/2024

Arkansas
REGISTERED
PROFESSIONAL
ENGINEER
07-19-2024

NO.	DATE	REVISION	CHK	APP	DR	AM	CA	TM
1	07/01/2024							
2	07/01/2024							
3	07/01/2024							
4	07/01/2024							
5	07/01/2024							
6	07/01/2024							
7	07/01/2024							
8	07/01/2024							
9	07/01/2024							
10	07/01/2024							

Site Development
Camden OSD
Calhoun County, Arkansas
Aerofect Rocketdyne

Electrical Site
Power & Lighting Plan
Area 6

SHEET NO
ES106

SCALE 1" = 10'

DATE 07/01/2024

PROJ D35754502

DWG D35754502_Aerofect Camden_ES106.dwg

SHEET 6 of 9

PLOT DATE/TIME: Tuesday, July 23, 2024 2:47:08 PM