

A1 ELECTRICAL SITE PWR & LTG PLAN - AREA 4
SCALE 1" = 50'

GENERAL NOTES

- BUILDING PLANS PROVIDED BY SEPARATE CONTRACT.
- REFER TO ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS.
- REFER TO STRUCTURAL PLANS FOR BUILDING FOUNDATIONS.
- PROVIDE PERMANENT IDENTIFICATION LABELS FOR CONDUCTORS WITH CIRCUIT NUMBER, PANEL NAME, AND BUILDING NAME/NUMBER.
- CIRCUIT ROUTING IS DIAGRAMMATIC. COORDINATE DEPTH AND ROUTING WITH OTHER SITE UTILITIES TO MAINTAIN SEPARATION AND CLEARANCES. REFER TO CIVIL FOR EXISTING AND UTILITIES. PROVIDE AS-BUILT DRAWINGS OF ROUTING AND DEPTH.
- PROVIDE ROADWAY LIGHTING FIXTURES WITH PANEL, CIRCUIT NUMBER, AND BUILDING SERVED FROM. PROVIDE LABEL IDENTIFICATION ON POLE AND CONDUCTORS. COORDINATE LIGHTING FIXTURE SET BACK AND LOCATIONS WITH EXISTING AND NEW SITE UTILITIES.

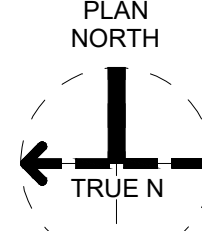
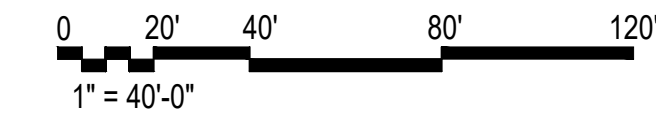
KEYNOTES

- PROVIDE 1000 AMP, 480 VOLT, 3 PHASE "MDP1" SWITCHBOARD WITH CIRCUIT BREAKERS TO SERVE THE CONDITIONING BOXES, CONTROL BUILDING, TEST STAND, ROADWAY LIGHTING, AND SPARE CIRCUIT BREAKER FOR FUTURE. MOUNT SWITCHBOARD ON CONCRETE PAD WITH ANCHOR BOLTS AND BRACING. PROVIDE GROUNDING AND GROUND ROD ON TWO OPPOSITE CORNERS OF EQUIPMENT PAD. COORDINATE REQUIREMENTS AND CONNECTIONS WITH OECC.
- PROVIDE 480 VOLT, 2-POLE ROADWAY LIGHTING ON CONCRETE POLE BASE WITH GROUND ROD AND 30FT POLES. PROVIDE FUSIBLE DISCONNECT IN CIRCUIT ACCESSIBLE FROM POLE HAND HOLE. PROVIDE UNDERGROUND CIRCUIT FROM 20 AMP/3-POLE CIRCUIT BREAKER IN SWITCHBOARD ALTERNATING TO EACH FIXTURE TWO PHASES (AB, BC, AC) 3-#8, 1-#8 GROUND IN 1-INCH CONDUIT, (2-#8, 1-#8 GROUND TO FIXTURE).
- OECC PROVIDED TRANSFORMER TO SERVE THE CONDITIONING BOXES, TEST STAND, AND CONTROL BUILDING. COORDINATE LOCATION, SECONDARY CONDUCTOR CONNECTIONS, GROUNDING, AND PAD.
- PROVIDE (2) 3-1/2" AND (1) 1" CONDUITS FROM PANEL HP1 TO PULL BOX. FEEDER CONNECTION TO BUILDING TO BE PROVIDED IN FUTURE PHASE.
- PROVIDE PULL BOX AND EXTEND CONDUITS TO PULL BOX FOR FUTURE EXTENSION TO BUILDING.
- PROVIDE PULL BOX WITH CONDUIT CONNECTION BACK TO SWITCHBOARD AND SITE ELEMENTS. PROVIDE SPARE 3-1/2" AND 2" CONDUIT FOR FUTURE.
- PRIMARY UTILITY DUCTBANK, CONDUIT, AND CONDUCTORS BY OECC ELECTRIC UTILITY. THE DUCTBANK IS DIAGRAMMATIC AND SHOWN FOR REFERENCE. THE FINAL EASEMENT LOCATION AND ROUTING WILL BE PROVIDED BY OECC. COORDINATE WITH OECC FOR FINAL DUCTBANK ROUTING.
- PROVIDE (5) 3-1/2" CONDUIT TO PULL BOX FOR FUTURE EXTENSION TO THE CONDITIONING BOX TRANSFER SWITCH.
- PROVIDE (2) 2" CONDUIT TO PULL BOX FOR FUTURE EXTENSION TO CONTROL BUILDING MAIN PANEL.
- PROVIDE (1) 1" CONDUIT FROM PULL BOX TO STUB OUT FOR EMERGENCY POWER OFF BUTTON AT FUTURE CONTROL BUILDING TO TRIP SHUNT CIRCUIT BREAKER IN PANEL "H1" IN SATELLITE CONTROL BUILDING.

LEGEND

- LIGHTING POLE
- ELECTRICAL PRIMARY OECC UNDERGROUND CONDUIT
- ELECTRICAL SECONDARY UNDERGROUND CONDUIT
- PANELBOARD
- TRANSFORMER
- FUTURE GENERATOR
- AUTOMATIC TRANSFER SWITCH

KEY PLAN



1989 Bayview, Suite 300
Emery-Jacobs Engineering Group Inc.
Tel: 214-688-0447
Fax: 214-688-0447
License # 178
License Type: Engineering
License Exp. Date: 03/31/2024

NO.	DATE	REVISION	CHK	BY	APVD	CA	AM	DR	AF
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 4

SHEET NO
ES104

SCALE 1" = 40'

DATE 07/01/2024

PROJ D35754502

DWG D35754502_Aerofect Camden_ES104.dwg

SHEET 4 of 9