

A1 ELECTRICAL SITE PWR & LTG PLAN - AREA 8
SCALE 1" = 10'

GENERAL NOTES

- OECC ELECTRIC UTILITY HAS CONFIRMED THE ELECTRIC UTILITY SERVICE IS CONSIDERED RELIABLE IN ACCORDANCE WITH NFPA 20 REQUIREMENTS.
- 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.

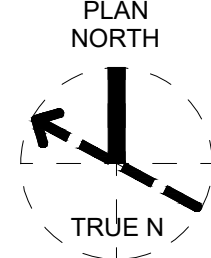
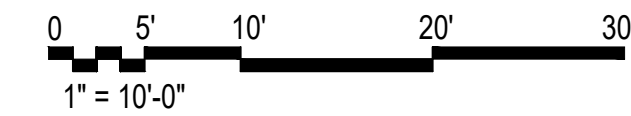
KEYNOTES

- PROVIDE 400 AMP, 3 POLE, 600 VOLT NON-FUSED DISCONNECT SWITCH FED FROM SECONDARY OF TRANSFORMER TO FEED THE FIRE PUMP HOUSE. MOUNT DISCONNECT ON GALVANIZED STEEL CHANNELS WITH CONCRETE FOOTINGS. PROVIDE GROUND ROD FOR BONDING. PROVIDE DISCONNECT SWITCH WITH RED FINISH AND LABEL FIRE PUMP HOUSE.
- OECC PROVIDED TRANSFORMER FOR FIRE PUMP HOUSE BUILDING. COORDINATE LOCATION, SECONDARY CONDUCTOR CONNECTIONS, GROUNDING, AND PAD. SET UP MEETING WITH OECC TO FINALIZE REQUIREMENTS AND SCHEDULE.
- PRIMARY UTILITY DUCTBANK, CONDUIT, AND CONDUCTORS BY OECC ELECTRIC UTILITY. THE DUCTBANK IS DIAGRAMMATIC AND SHOWN FOR REFERENCE ONLY. THE FINAL EASEMENT LOCATION AND ROUTING WILL BE PROVIDED BY OECC.
- PROVIDE DEDICATED FEEDER DUCT BANK FOR CONNECTION TO FIRE WATER PUMP HOUSE TO MEET FIRE PUMP REQUIREMENTS. PROVIDE CONNECTION TO PACKAGED PUMP HOUSE PANEL ACCORDING TO PUMP HOUSE MANUFACTURER REQUIREMENTS. SETUP MEETING WITH PUMP HOUSE MANUFACTURER AND COORDINATE FEEDER SIZE AND CONNECTION REQUIREMENTS.
- 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 A/2P CIRCUIT BREAKER IN PANEL HP1.
- PROVIDE 60 AMP PANELBOARD WITH CIRCUIT BREAKERS TO SERVE THE SITE LIGHTING AT PUMP HOUSE. 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.
- PROVIDE LIGHTNING PROTECTION AND GROUNDING AT FIRE PUMP HOUSE AND TANK. PROVIDE GROUND RING AND GROUND RODS AT EACH DOWN CONDUCTOR LOCATION AND AT SERVICE ENTRANCE LOCATION.
- PROVIDE CATHODIC PROTECTION SACRIFICIAL ANODE FOR FIRE WATER TANK, UNDERGROUND METAL WATER PIPE, AND VALVES. COORDINATE WITH PUMP HOUSE AND TANK MANUFACTURER. REFER TO CIVIL AND FIRE PROTECTION PLANS FOR PIPING AND TANK LOCATION.

LEGEND

- LIGHTING POLE
- ELECTRICAL UNDERGROUND CONDUIT
- ELECTRICAL SECONDARY UNDERGROUND CONDUIT
- PANELBOARD
- TRANSFORMER

KEY PLAN



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Emeryville, CA 94608
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Fax: 214-838-0447
License # 178
License Type: Engineering
License Exp. Date: 03/31/2024

NO.	DATE	REVISION	CHK	DR	AM
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Site Development
Camden OSD
Calhoun County, Arkansas
Aerofect Rocketdyne

Electrical Site
Power & Lighting Plan
Area 8

SHEET NO
ES108

SCALE 1" = 10'

DATE 07/01/2024

PROJ D35754502

DWG D35754502_Aerofect Camden_ES108.dwg

SHEET 7 of 9