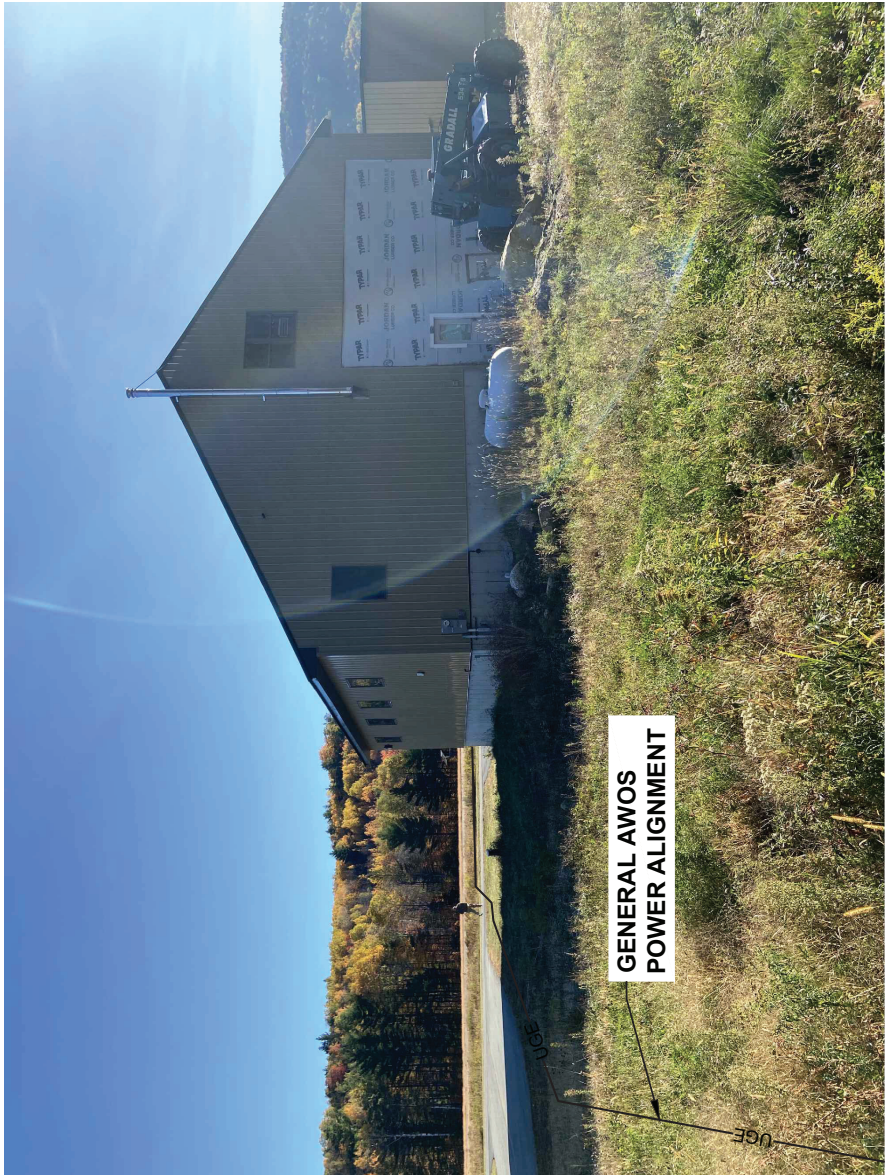




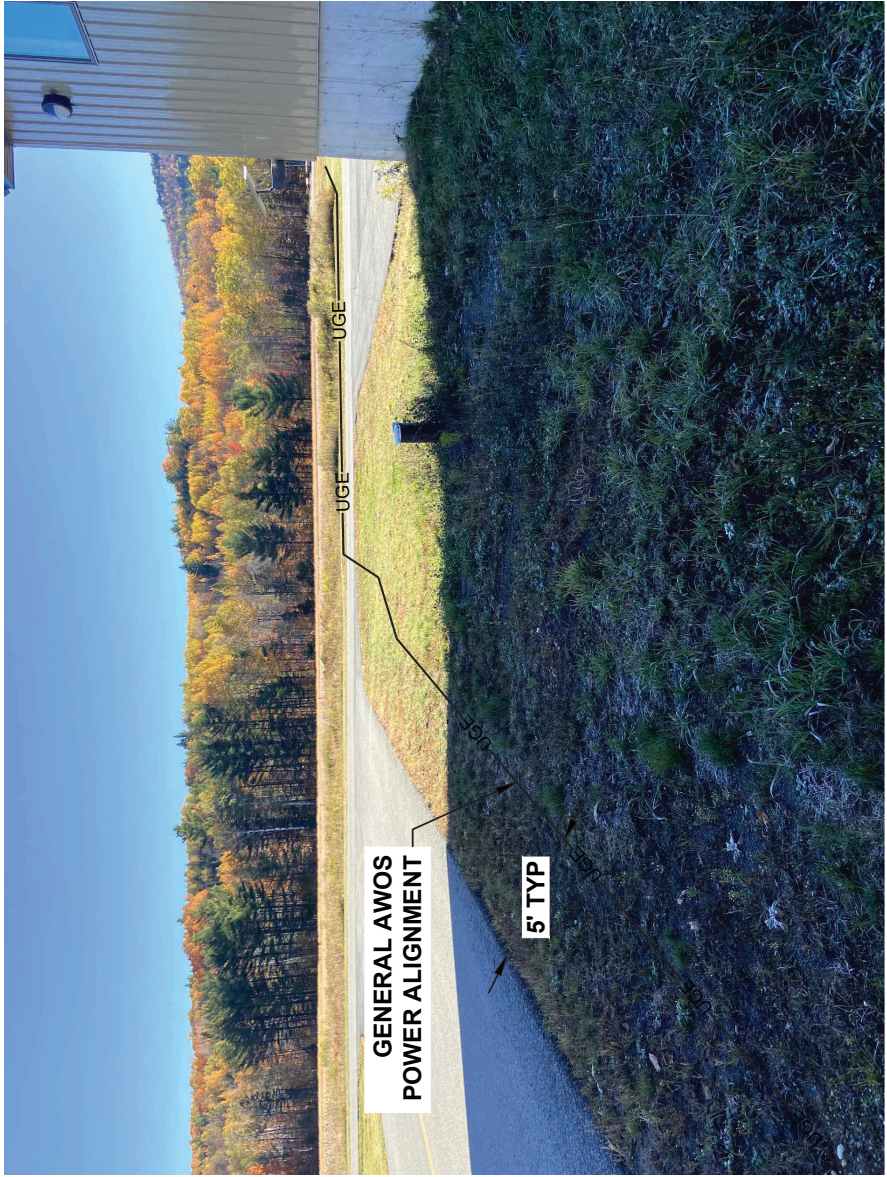
EXISTING TRANSFORMER



LOOKING EAST TO TRANSFORMER



ELECTRICAL PATH FROM TRANSFORMER



ELECTRICAL PATH



ELECTRICAL PATH - LOOKING WEST



EXISTING DUCT BELOW TAXIWAY



ELECTRICAL PATH LOOKING SOUTH



ELECTRICAL PATH FROM AWOS LOCATION

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CONSTRUCT AWOS-III - BID PACKAGE 2		AIP NO. 3-23-2300-PENDING-2026	JOB NO. 24038
B21 AWOS COMMUNICATION		DRAWN BY: ARM	SHEET 19
		DESIGNED BY: ADS/JHM	OF 26
SUGARLOAF REGIONAL AIRPORT		SCALE: NONE	DATE: MAY 2026

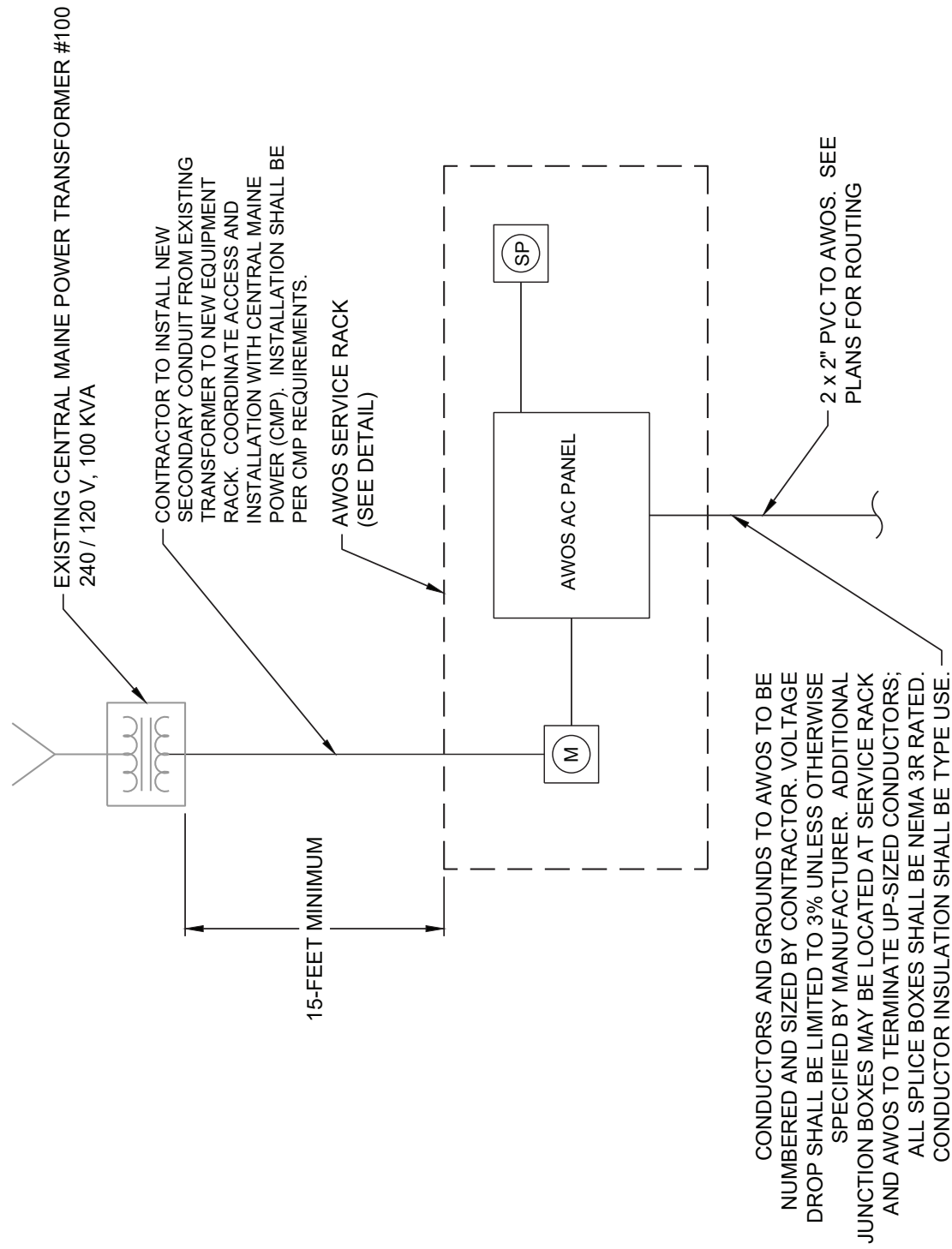
NO.	REVISIONS	BY	APP.	DATE

AWOS AC PANEL (B21)

200A RATED PANEL IN NEMA 3R ENCLOSURE, 22kAIC CIRCUIT BREAKERS
MAIN CIRCUIT BREAKER: 200 Amps, 2 Pole
SERVICE: 120/240 Volts, Single Phase, 3 Wire

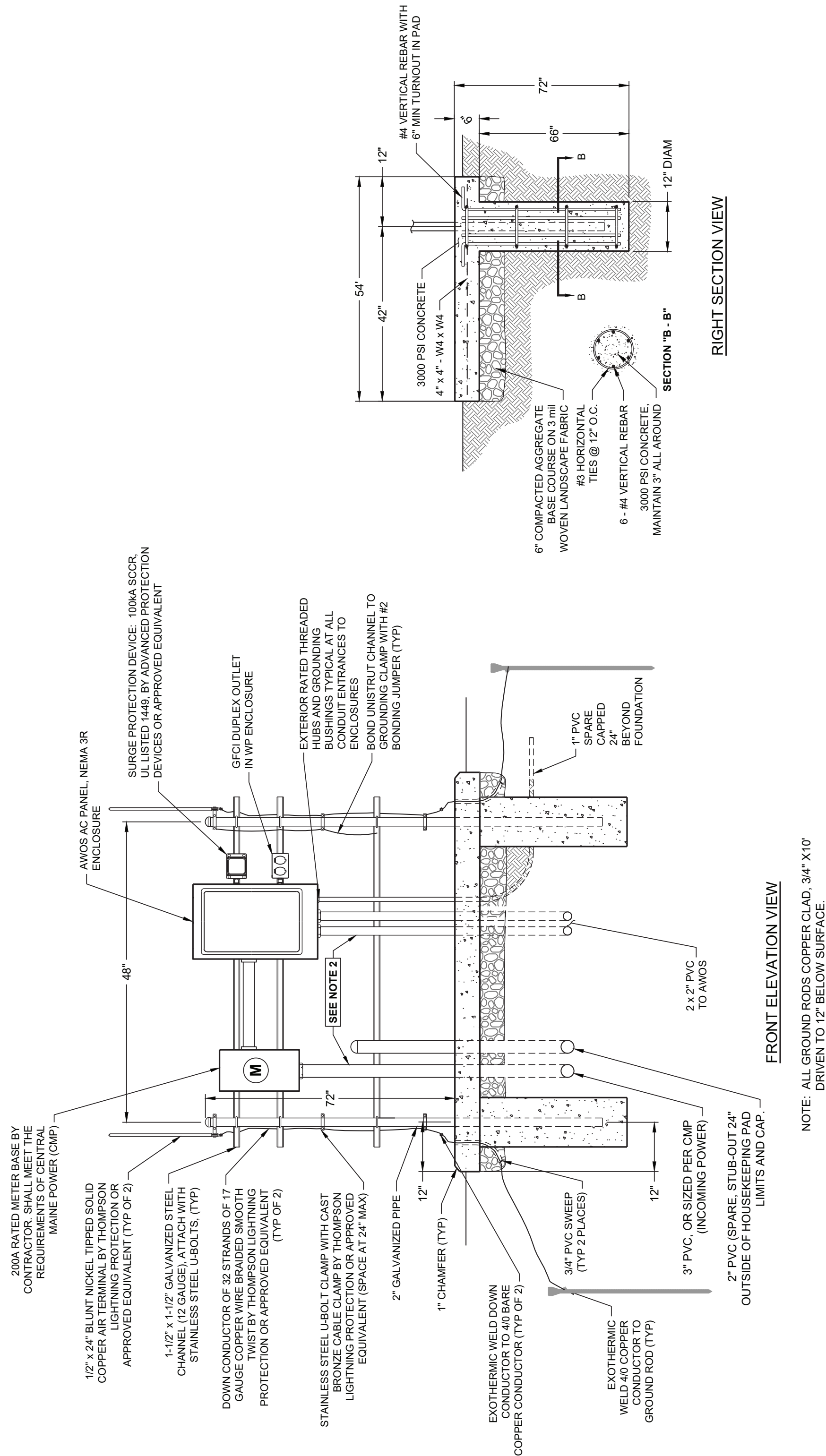
DESIGNATION TO BE TYPED ON DIRECTORY	WIRE SIZE	BKR SIZE	CKT NBR	A	B	WIRE SIZE	BKR SIZE	CKT NBR	DESIGNATION TO BE TYPED ON DIRECTORY
Surge Protection Device	#8	40	1						As required for AWOS, or Space
			3						As required for AWOS, or Space
GFCl Duplex Outlet	#12	20	5						As required for AWOS, or Space
As required for AWOS, or Space									As required for AWOS, or Space
									As required for AWOS, or Space
									As required for AWOS, or Space

PROVIDE ENGRAVED LEGEND PLATE ATTACHED WITH SCREWS TO READ:



AWOS SINGLE LINE DIAGRAM

NTS



AWOS SERVICE RACK DETAIL

NTS

NOTES:

1. FIELD LOCATE RACK STRUCTURE NO CLOSER THAN 15- FEET TO THE TRANSFORMER (MCP REQUIREMENT). NOMINAL DISTANCE SHALL BE 20- FEET.
2. ALL CONDUITS ABOVE GRADE SHALL BE GRS, UNLESS OTHERWISE REQUIRED BY MCP (I.E. SECONDARY SERVICE CONDUIT TO METER).



Digitally signed by
Adam D Switzer
Date: 2026.05.22
13:21:01-04'00'

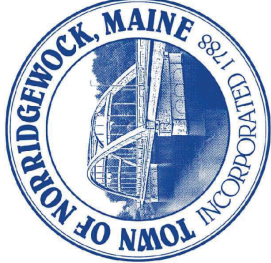
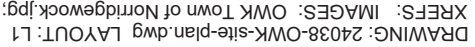
DELTA AIRPORT CONSULTANTS, INC.



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Carlisle, Pennsylvania 17013

phone: (717) 652-8700
w.deltairport.com

[illegible]



300 0 300 600 FEET
SCALE: 1"=300'

AIRPORT DATA	
FACILITY NAME:	CENTRAL LANDMARKS AIRPORT
OWNER:	THE CITY OF NEWARK 600 AIRPORT ROAD NEWARK, NJ 07102
PROJECT IDENTIFICATION NUMBER:	NEWARK 1200B
PROJECT IDENTIFICATION NUMBER:	-400-0000
MARKET SEGMENT:	AIRPORT
ZONING INFORMATION:	
SETBACK REQUIREMENT FROM STRUCTURE TO PROPERTY LINE:	15' / 50'
SETBACK REQUIREMENT FROM STRUCTURE TO ADJACENT PROPERTY:	75'
PROPOSED:	1,200-FOOT
MAXIMUM HEIGHT OF STRUCTURE:	306-FOOT TOWER
DESIGN WIND LOAD:	100 MPH
LIGHTING:	RED FLAMMABLE DUAL LENS OBSTRUCTION LIGHTS AND NON-FLAMMABLE LIGHTS
APPROXIMATE DISTURBED AREA:	1,000 SF
OUTDOOR STORAGE:	N/A
LANDSCAPING:	N/A
LANDSCAPING:	N/A
FARMING:	N/A
COMMUNICATIONS:	UNF AND WIRELESS BANDS REQUIRED TO BE PROVIDED BY THE AIRPORT AND AIRPORTS FCC.

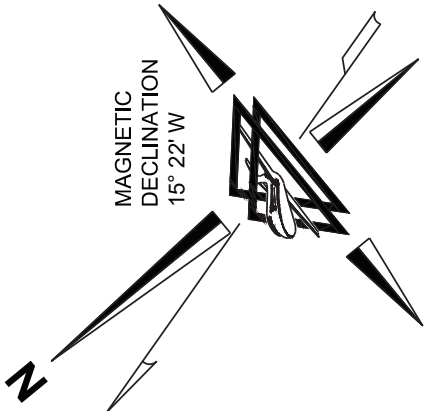
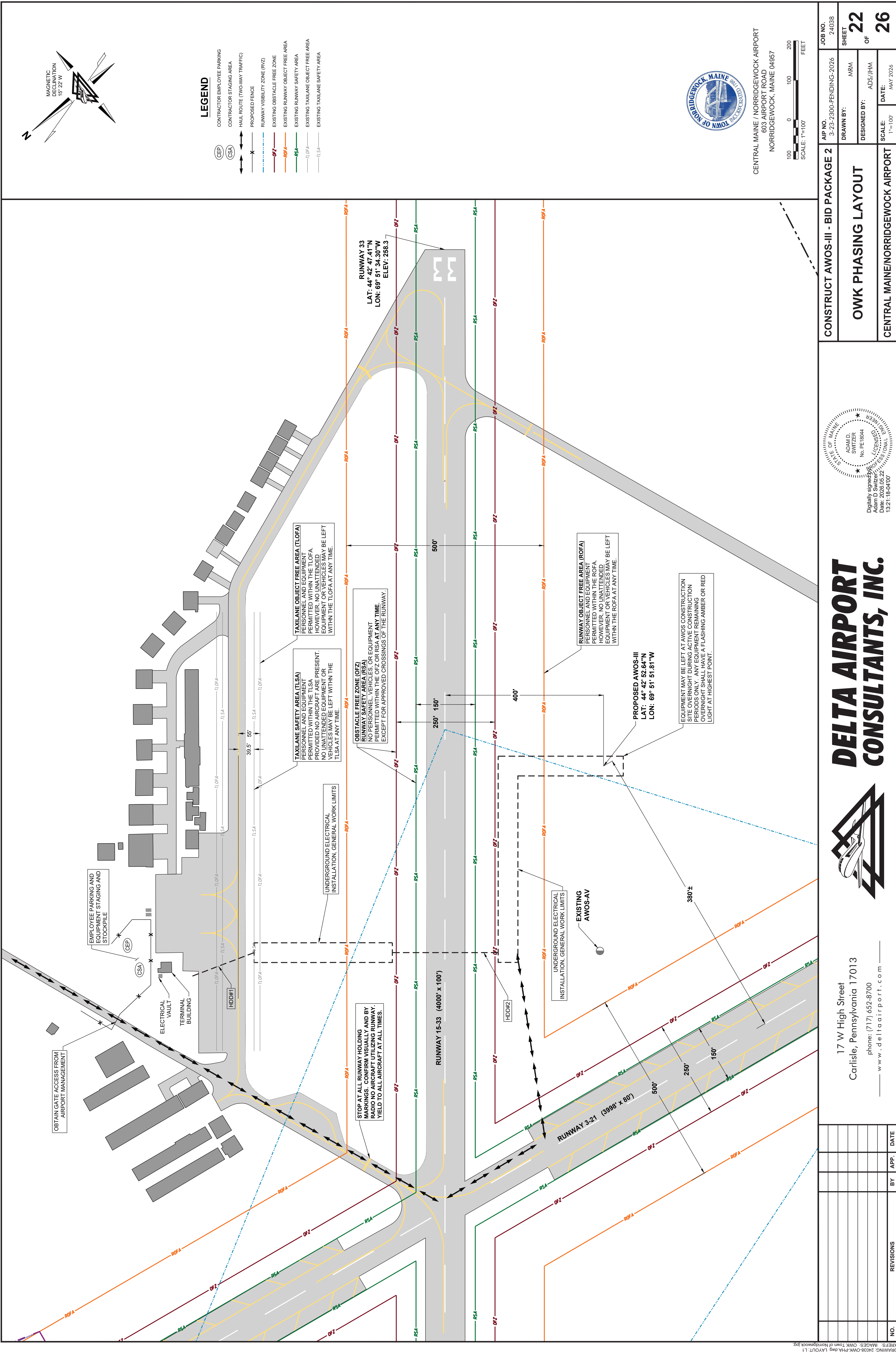
- NOTES**
1. TOPOGRAPHY AND PLANNIMETRIES OBTAINED FROM AIRPORT LAYOUT PLAN (ALP) DATA PROVIDED BY THE STATE OF MAINE, DATED SEPTEMBER 28, 2022.
 2. AIRPORT LAYOUT PLAN BY CLE ASSOCIATES, INC. DATED MAY 2018. AIRPORT LAYOUT PLAN BY CLE ASSOCIATES, INC. DATED MAY 2018. NOT UPDATED BASED ON FIELD OBSERVATIONS OCTOBER 2022. NOT ALL CURRENT AIRFIELD IMPROVEMENTS MAY BE DEPICTED.
 3. ADJACENT PARCEL LINES DERIVED FROM MAINE GEOBARRY GIS ACQUIRED OCTOBER 9, 2022.
 4. AERIAL IMAGERY PROVIDED BY GOOGLE EARTH (2018).

STATE OF MAINE
ADAM D.
SWITZER
No. PE18044
LICENSED PROFESSIONAL ENGINEER

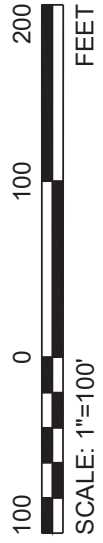
Digitally signed by Adam D Switzer
Date: 2026.05.22 13:21:09-04'00'

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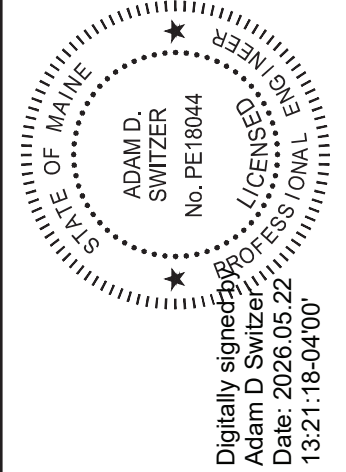
CENTRAL MAINE / NORRIDGEWOCK AIRPORT
603 AIRPORT ROAD
NORRIDGEWOCK, MAINE 04957



CONSTRUCT AWOS-III - BID PACKAGE 2	AIP NO. 3-23-2300-PENDING-2026	JOB NO. 24038
	DRAWN BY: ARM	SHEET 22
	DESIGNED BY: ADS/JHM	OF 26
	SCALE: 1"=100'	DATE: MAY 2026

OWK PHASING LAYOUT

CENTRAL MAINE/NORRIDGEWOCK AIRPORT

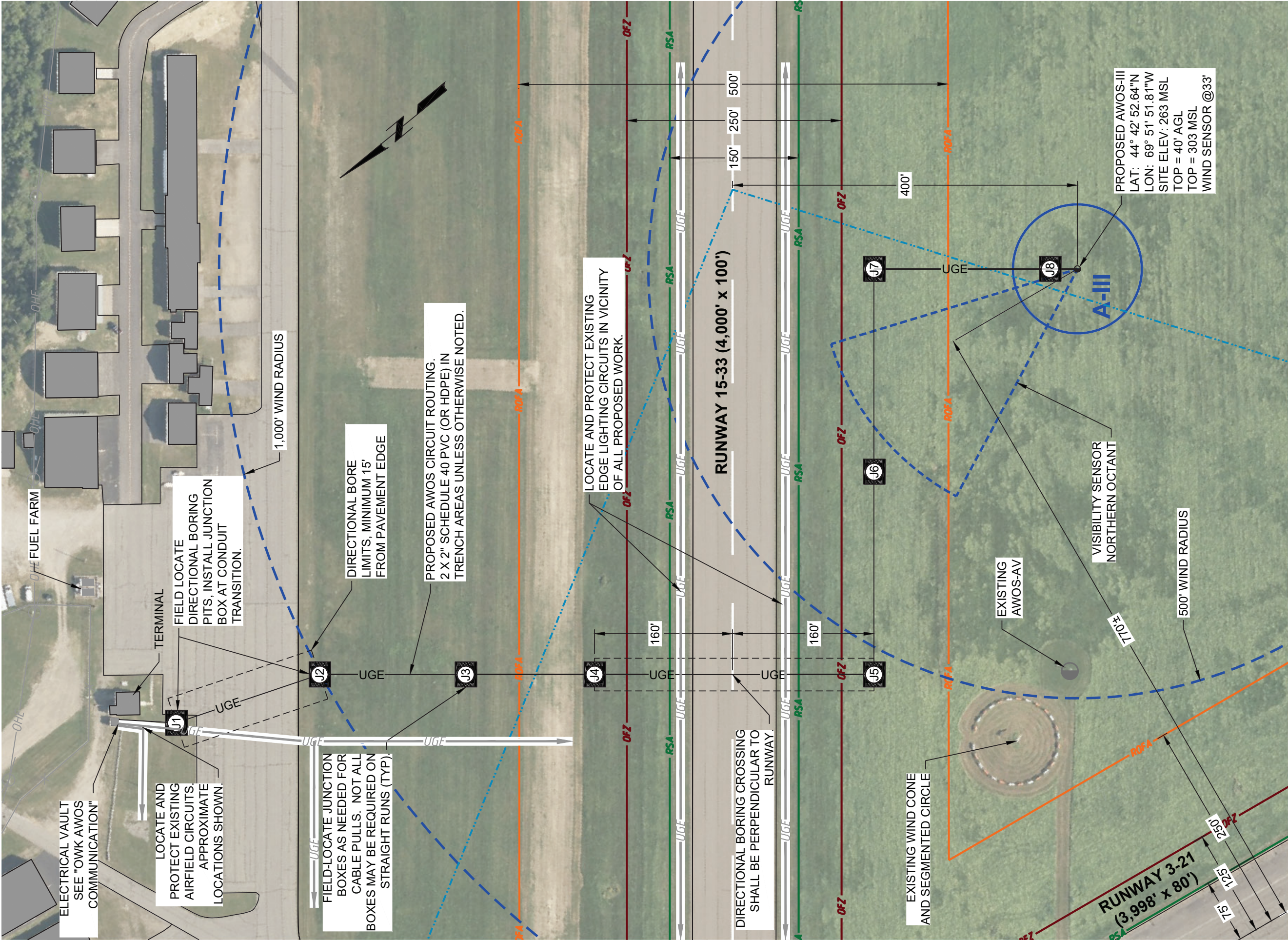


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NO.	REVISIONS	BY	APP.	DATE



LEGEND

- EXISTING AIRPORT PROPERTY LINE
- EXISTING RUNWAY OBJECT FREE AREA
- EXISTING OBSTACLE FREE ZONE
- EXISTING RUNWAY SAFETY AREA
- ||||| TREE CLEARING (BY OTHERS)

PROPOSED AWOS-III LAYOUT DETAIL

NTS

AWOS SYSTEM NOTES - CENTRAL MAINE AIRPORT

1. UHF COMMUNICATIONS

- 1.1. THE DATA OBTAINED FROM THE SENSORS WILL BE DISSEMINATED TO THE TERMINAL BUILDING VIA A UHF RADIO DATA LINK. THE TRANSMITTING ANTENNA SHALL BE MOUNTED ON THE WIND TOWER.
- 1.2. THE UHF RECEIVING ANTENNA SHALL BE MOUNTED AT THE LOCATION SHOWN ON THE PLANS. THE ANTENNA SHALL BE CONNECTED TO THE BASE STATION HARDWARE LOCATED AT THE TERMINAL.
- 1.3. THE CONTRACTOR SHALL OBTAIN THE REQUIRED UHF FREQUENCY AND LICENSE ON BEHALF OF THE AIRPORT. SEE THE CONTRACT "SPECIAL PROVISIONS" FOR ADDITIONAL INFORMATION.
- 1.4. CONTRACTOR SHALL SUPPLY ANTENNA CABLING WITH A SUFFICIENT RATING TO SUPPORT THE TOTAL CABLE RUN DISTANCE REQUIRED. VERIFY CABLE TYPE AND RATING WITH AWOS VENDOR.

2. VHF COMMUNICATIONS

- 2.1. THE AWOS DATA WILL BE DISSEMINATED TO THE PUBLIC THROUGH A DISCRETE VHF FREQUENCY.
- 2.2. THE VHF TRANSMITTING ANTENNA SHALL BE MOUNTED AT THE TERMINAL AT THE LOCATION SHOWN ON THE PLANS. THE ANTENNA SHALL BE CONNECTED TO THE BASE STATION HARDWARE LOCATED IN THE TERMINAL.
- 2.3. CONTRACTOR SHALL SUPPLY ANTENNA CABLING WITH A SUFFICIENT RATING TO SUPPORT THE TOTAL CABLE RUN DISTANCE REQUIRED. VERIFY CABLE TYPE AND RATING WITH AWOS VENDOR.
- 2.4. THIS SITE WILL UTILIZE THE EXISTING AWOS-AV VHF FREQUENCY OF 123.075 MHZ.

3. SYSTEM POWER SOURCE

- 3.1. FIELD SENSOR SUITE: POWER SHALL BE SOURCED FROM THE EXISTING PANEL IN THE ELECTRICAL VAULT. CONTRACTOR SHALL MODIFY THE PANEL AND INSTALL NEW TRANSFORMER, CONDUITS, CONDUCTORS, JUNCTION BOXES, EQUIPMENT RACK, AND SUPPORTING INCIDENTALS, ALONG ALIGNMENT SHOWN ON PLANS.
- 3.2. BASE STATION ELECTRONICS: POWER SHALL BE SUPPLIED FROM EXISTING DUPLEX OUTLETS IN THE TERMINAL.
- 3.3. ACCESSORY TOWER: NOT APPLICABLE TO THIS SITE.

4. NADIN CONNECTIVITY

- 4.1. THE CONTRACTOR SHALL SUPPLY EQUIPMENT THAT IS MANUFACTURED WITH BUILT-IN NADIN CONNECTIVITY. THE OWNER WILL COMPLETE THE CONNECTION OF THE SYSTEM TO THE NADIN NETWORK THROUGH A SEPARATE CONTRACT. THE AWOS CONTRACTOR SHALL ASSIST THE OWNER AS NECESSARY TO FACILITATE THIS CONNECTION.

5. TELEPHONE COMMUNICATIONS

- 5.1. THE SUPPLIED SYSTEM SHALL BE CAPABLE OF SUPPORTING TELEPHONE OPERATIONS VIA A VOICE OVER IP PROTOCOL (VOIP). SUPPORTED SERVICES SHALL INCLUDE CAPABILITY FOR FAA REMOTE MONITORING AND MAINTENANCE, AS WELL AS PUBLIC TELEPHONE ACCESS. THE CONTRACTOR SHALL COORDINATE THE ESTABLISHMENT OF A DEDICATED TELEPHONE NUMBER FOR THE SYSTEM WITH AIRPORT MANAGEMENT.

6. TOWER ITEMS

- 6.1. WIND SENSOR TOWER HEIGHT IS A NOMINAL 30-FEET
- 6.2. WIND SENSOR MOUNTING HEIGHT = 33' AGL

7. FENCING

- 7.1. THIS SITE DOES NOT REQUIRE FENCING.

8. PERIPHERAL SYSTEMS LOCATIONS

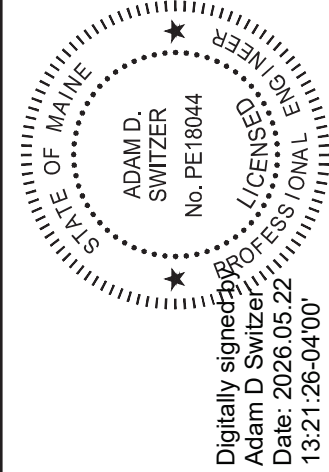
ITEM	LOCATION
COMMUNICATIONS INTERFACE UNIT (CIU)	TERMINAL LOBBY
PRIMARY VIDEO DISPLAY	TERMINAL LOBBY
SECONDARY VIDEO DISPLAY	N/A
UHF/VHF RADIO	TERMINAL LOBBY
PRINTER, KEYBOARD, ETC	TERMINAL LOBBY

9. FAA COMMISSIONING

- 9.1. THE CONTRACTOR SHALL COORDINATE AND SCHEDULE THE INITIAL SYSTEM COMMISSIONING WITH THE FAA. THE SPONSOR AND ENGINEER MAY ASSIST AND SHALL PROVIDE INFORMATION AS NEEDED TO FACILITATE THE COMMISSIONING MEETING.

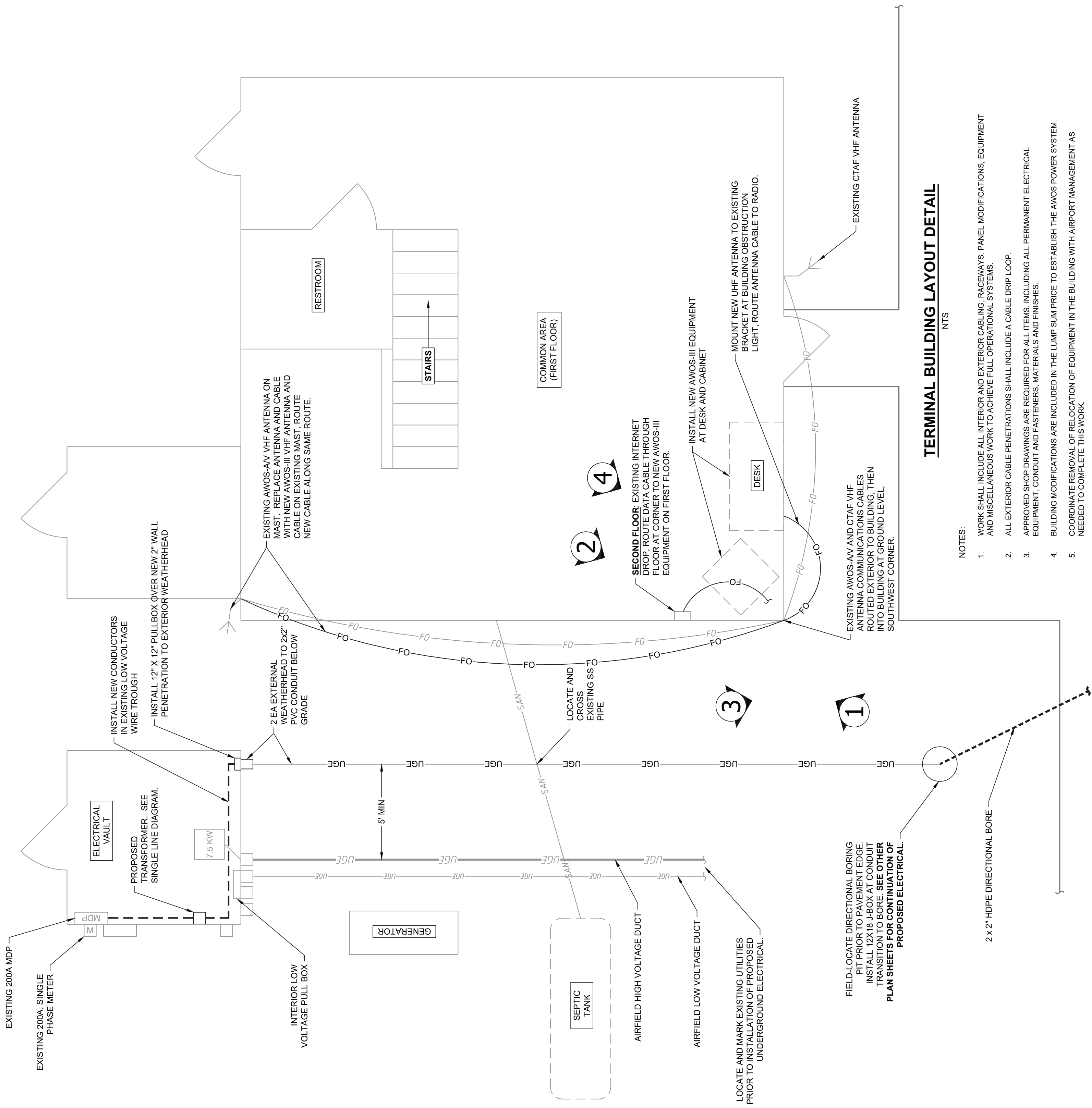


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CONSTRUCT AWOS-III - BID PACKAGE 2	AIP NO. 3-23-2300-PENDING-2026	JOB NO. 24038
OWK PROPOSED AWOS-III LAYOUT DETAILS	DRAWN BY: MRM	SHEET 23
	DESIGNED BY: ADS/JHM	OF 26
CENTRAL MAINE/NORRIDGEWOCK AIRPORT	SCALE: NONE	DATE: MAY 2026

NO.	REVISIONS	BY	APP.	DATE
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TERMINAL MODIFICATIONS 2



TERMINAL MODIFICATIONS 1



TERMINAL MODIFICATIONS 3



DIRECTIONAL BORING

NOTES:

1. WORK SHALL INCLUDE ALL INTERIOR AND EXTERIOR CABLING, RACEWAYS, PANEL MODIFICATIONS, EQUIPMENT AND MISCELLANEOUS WORK TO ACHIEVE FULL OPERATIONAL SYSTEMS.
2. ALL EXTERIOR CABLE PENETRATIONS SHALL INCLUDE A CABLE DRIP LOOP.
3. APPROVED SHOP DRAWINGS ARE REQUIRED FOR ALL ITEMS, INCLUDING ALL PERMANENT ELECTRICAL EQUIPMENT, CONDUIT AND PASTENERS, MATERIALS AND FINISHES.
4. BUILDING MODIFICATIONS ARE INCLUDED IN THE LUMP SUM PRICE TO ESTABLISH THE AWOS POWER SYSTEM.
5. COORDINATE REMOVAL OF RELOCATION OF EQUIPMENT IN THE BUILDING WITH AIRPORT MANAGEMENT AS NEEDED TO COMPLETE THIS WORK.
6. SEE ASSOCIATED SINGLE-LINE DIAGRAM AND PROJECT PHOTOS FOR ADDITIONAL ELECTRICAL INFORMATION.

TERMINAL BUILDING LAYOUT DETAIL

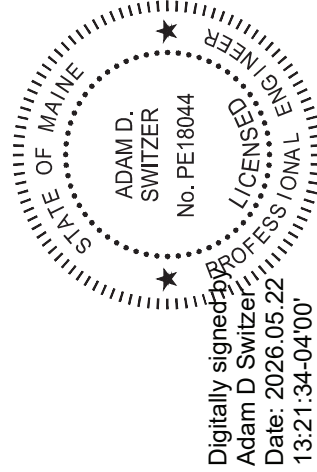
NTS

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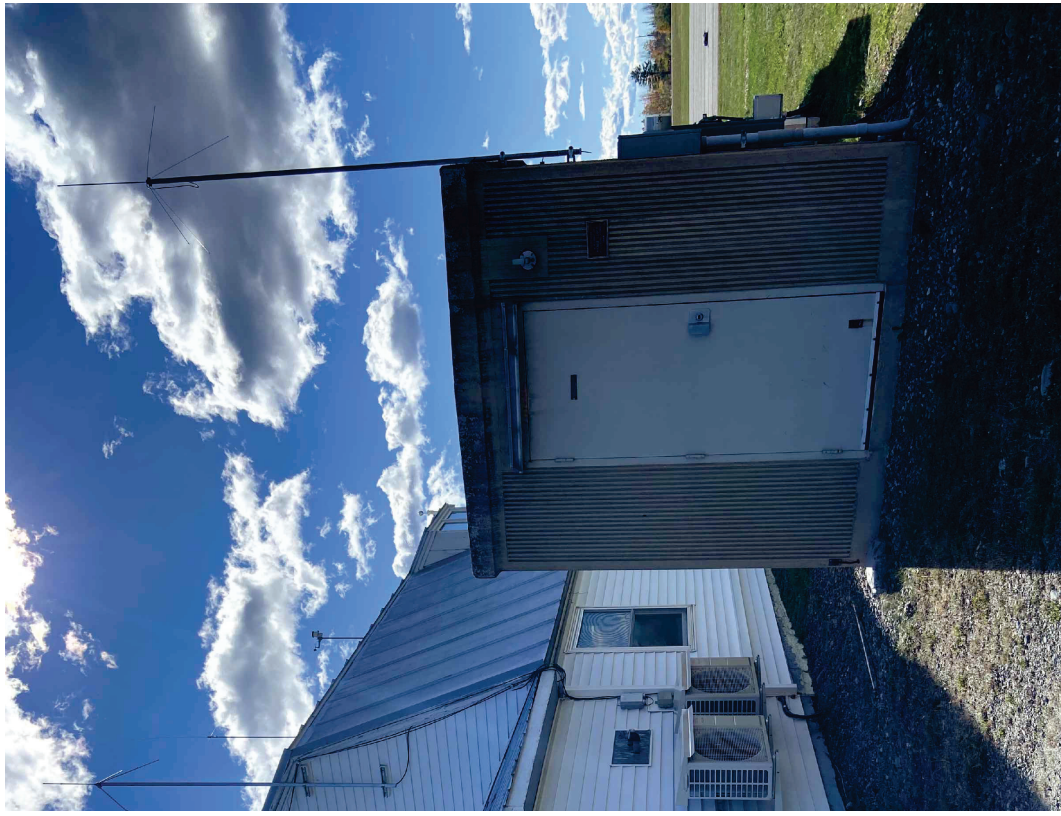
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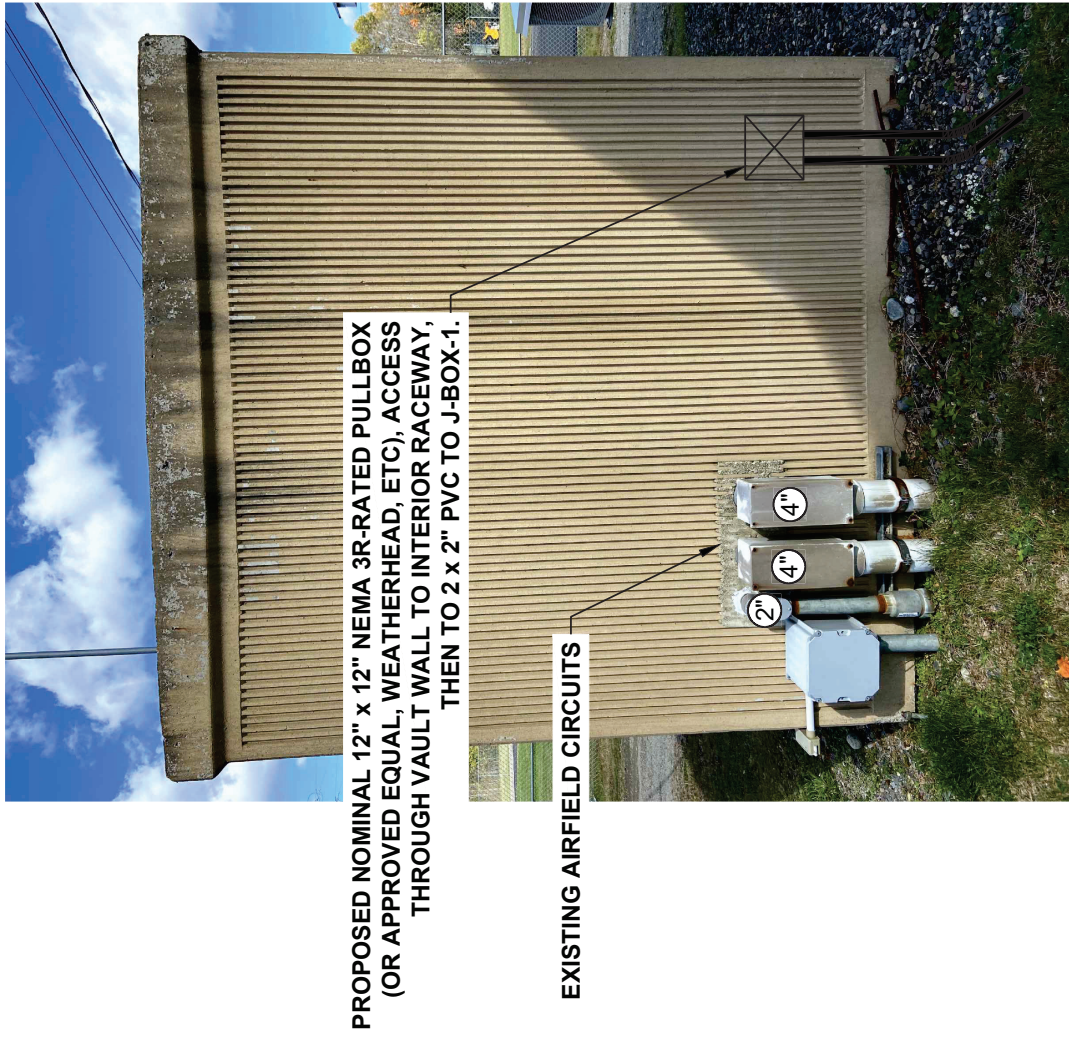
CONSTRUCT AWOS-III - BID PACKAGE 2		AIP NO. 3-23-2300-PENDING-2026	JOB NO. 24038
OWK TERMINAL BUILDING LAYOUT DETAILS		DRAWN BY: ARM	SHEET 24 OF 26
		DESIGNED BY: ADS/JHM	
CENTRAL MAINE/NORRIDGEWOCK AIRPORT		SCALE: NONE	DATE: MAY 2026



1 ELECTRICAL VAULT BUILDING



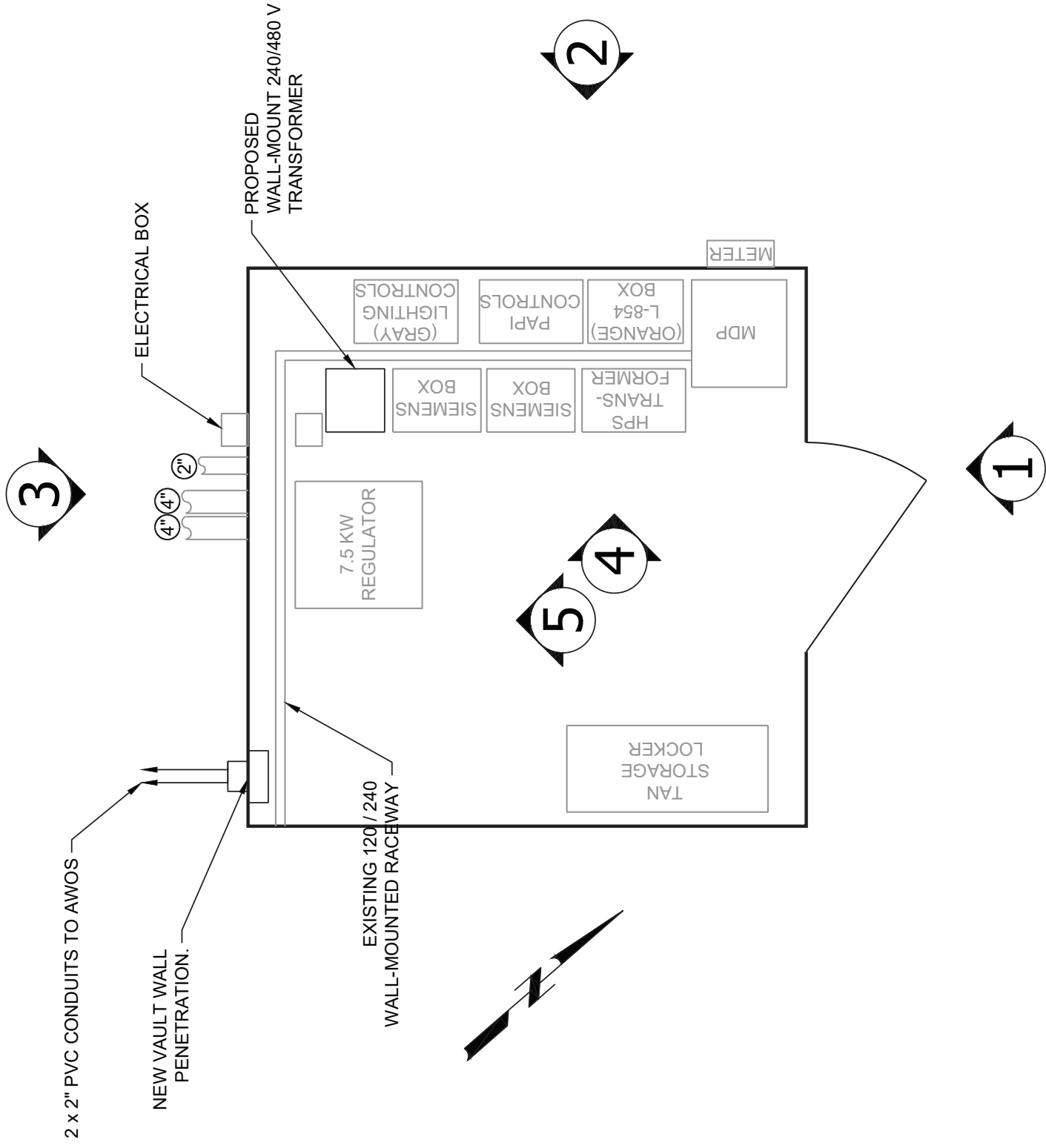
2 ELECTRICAL METER



3 PROPOSED POWER



4 EXISTING MDP



OWK ELECTRICAL VAULT LAYOUT



4 VAULT MODIFICATIONS 1

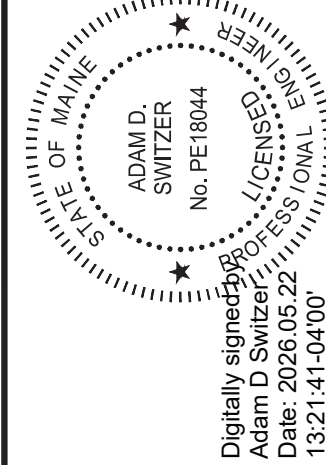


5 ELECTRICAL VAULT MODIFICATIONS 2

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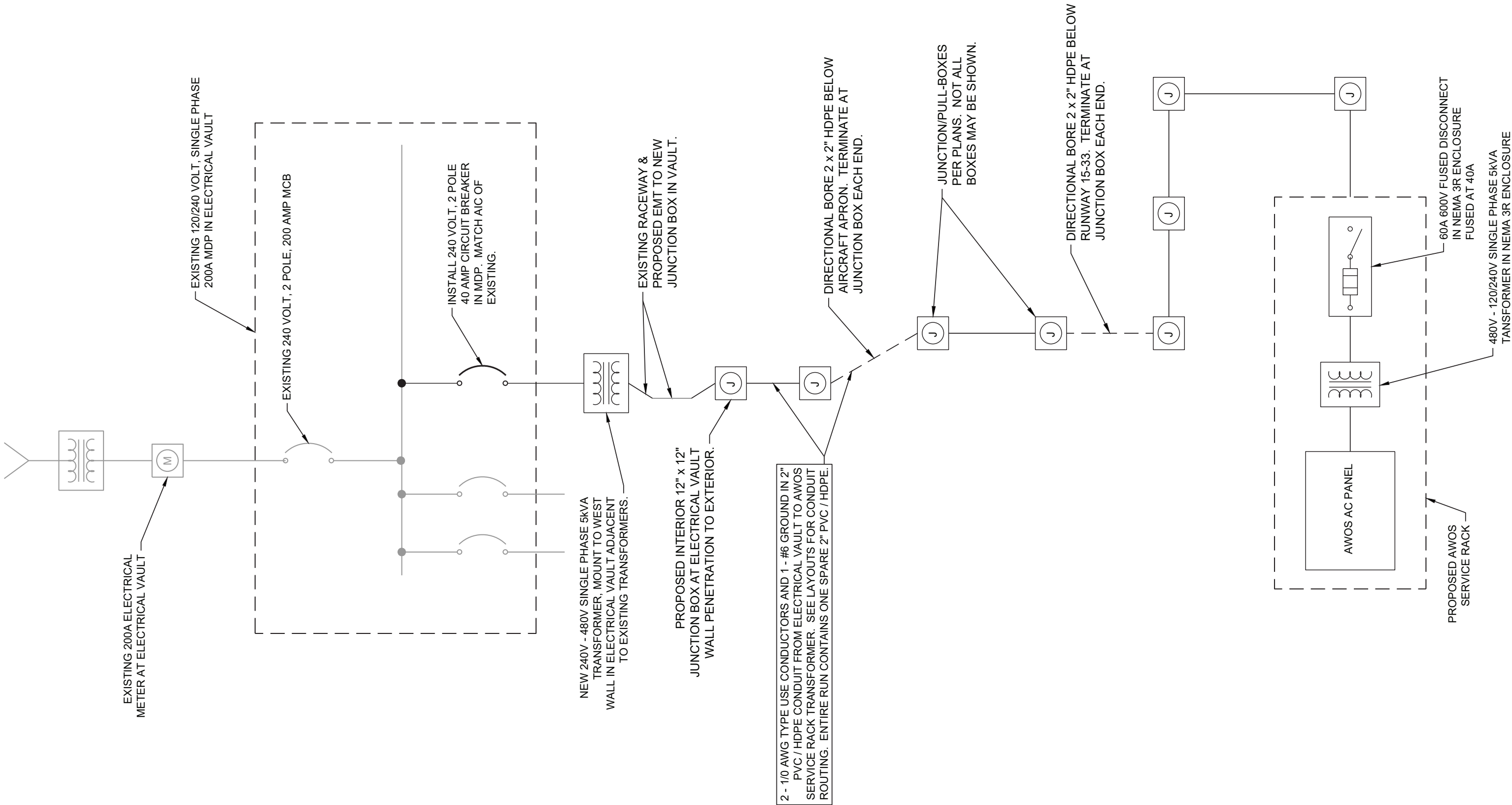


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CONSTRUCT AWOS-III - BID PACKAGE 2	AIP NO. 3-23-2300-PENDING-2026	JOB NO. 24038
OWK AWOS COMMUNICATION	DRAWN BY: MRM	SHEET 25
	DESIGNED BY: ADS/JHM	OF 26
CENTRAL MAINE/NORRIDGEWOCK AIRPORT	SCALE: NONE	DATE: MAY 2026

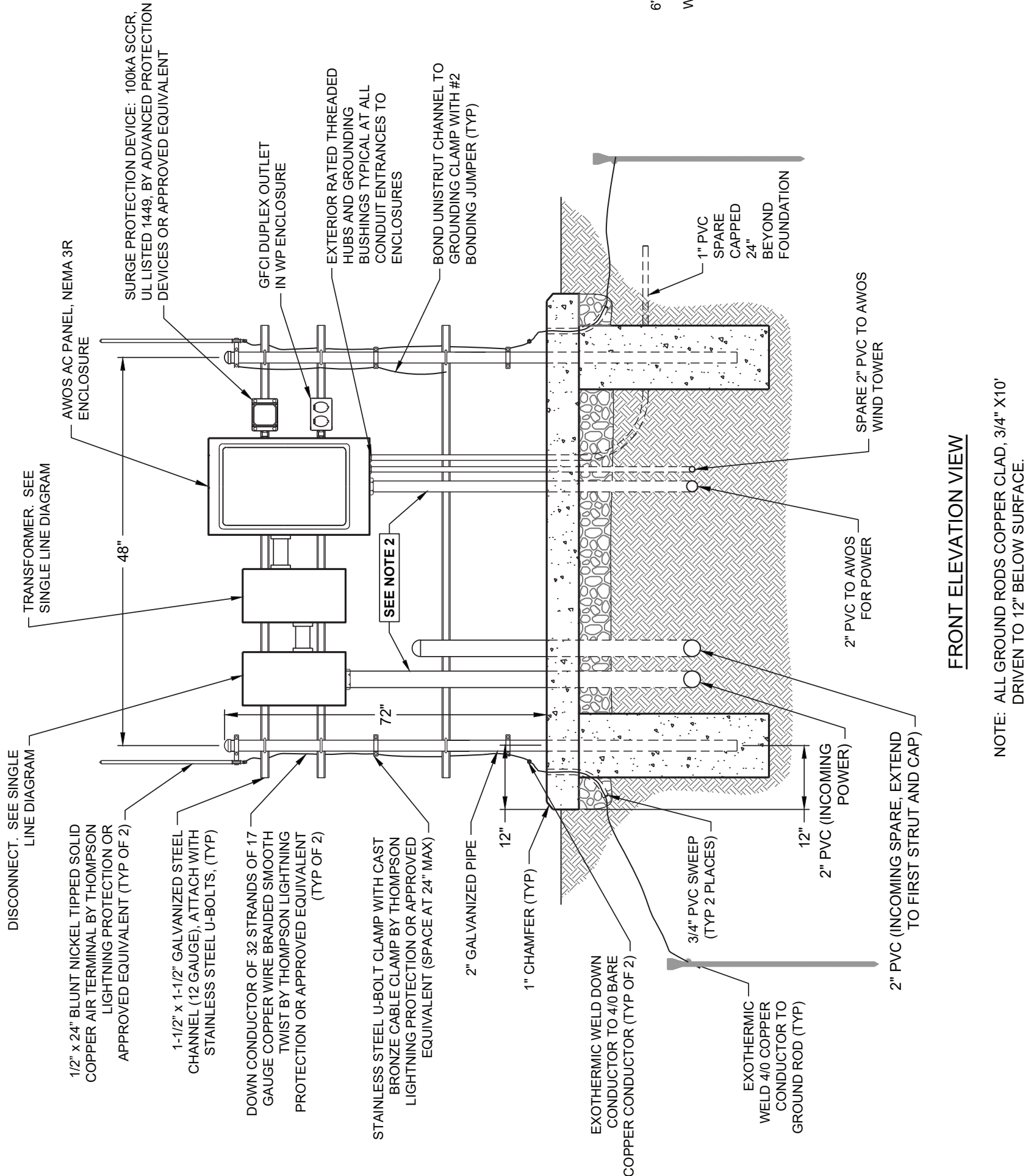
NO.	REVISIONS	BY	APP.	DATE
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- NOTES:
1. SPARE 2" PVC / HDPE CONDUIT REQUIRED FROM ELECTRICAL VAULT JUNCTION BOX TO AWOS AC PANEL.
 2. JUNCTION BOXES ON STRAIGHT SEGMENTS MAY BE ELIMINATED WHERE NOT REQUIRED FOR CABLE PULLING OR OTHER ACCESS.

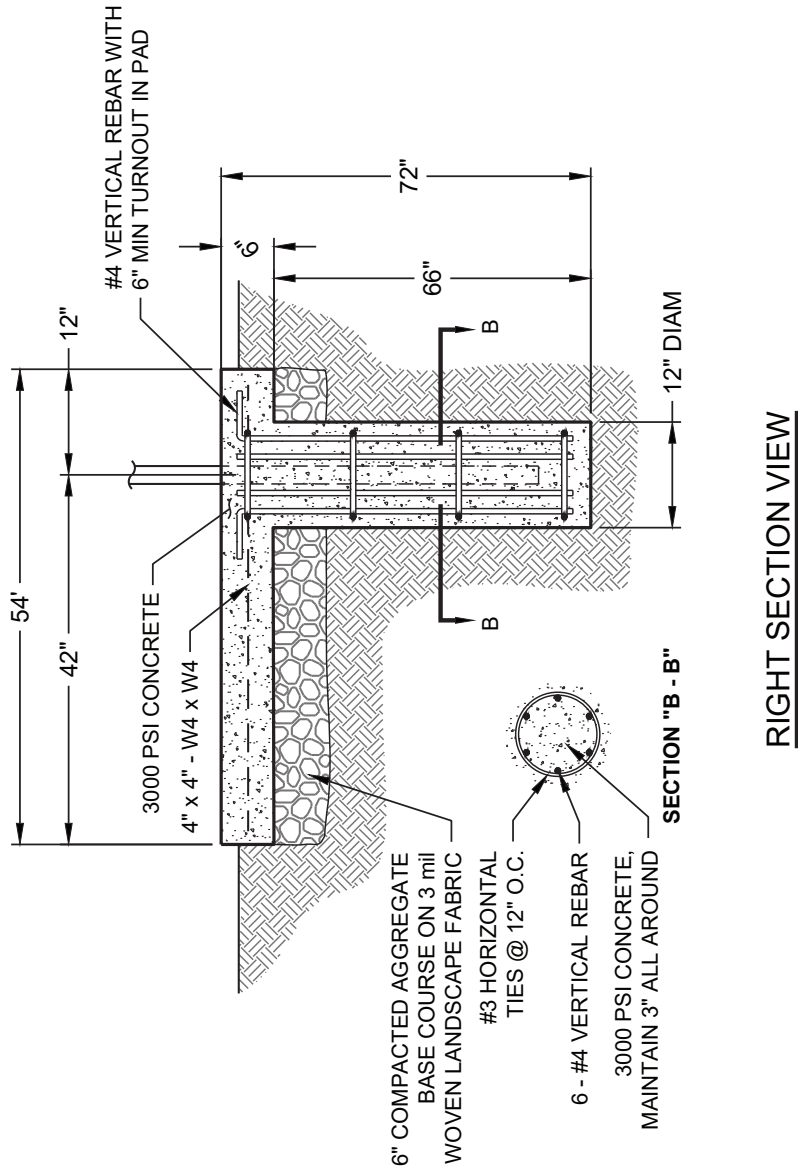
AWOS SINGLE LINE DIAGRAM

NTS



NOTE: ALL GROUND RODS COPPER CLAD, 3/4" X10" DRIVEN TO 12" BELOW SURFACE.

FRONT ELEVATION VIEW



AWOS SERVICE RACK DETAIL

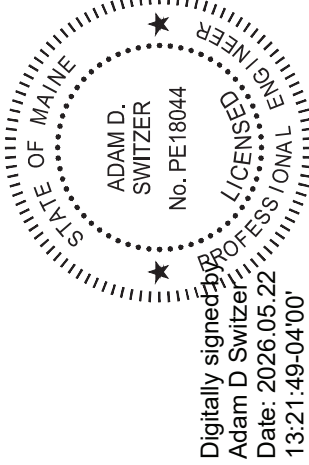
NTS

- NOTES:
1. RACK STRUCTURE SHALL BE MOUNTED NO CLOSER TO THE RUNWAY THAN THE WIND TOWER.
 2. ALL CONDUITS ABOVE GRADE SHALL BE GRS.

AWOS AC PANEL (OWK)					
60A RATED PANEL IN NEMA 3R ENCLOSURE, 22kVAC CIRCUIT BREAKERS MAIN CIRCUIT BREAKER: 200A, 2 Pole, 200 Amp, Single Phase, 3 Wire SERVICE: 120/240 Volts, Single Phase, 3 Wire					
DESIGNATION TO BE TYPED ON DIRECTORY	WIRE SIZE NBR	BKR SIZE	CKT NBR	WIRE SIZE	DESIGNATION TO BE TYPED ON DIRECTORY
Surge Protection Device	#6	40	1		As required for AWOS, or Space
			3		As required for AWOS, or Space
GFCI Duplex Outlet	#12	20	5		As required for AWOS, or Space
As required for AWOS, or Space					As required for AWOS, or Space
As required for AWOS, or Space					As required for AWOS, or Space
PROVIDE ENGRAVED LEGEND PLATE ATTACHED WITH SCREWS TO READ: AWOS AC PANEL 120/240V, 1PH, 3W					



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CONSTRUCT AWOS-III - BID PACKAGE 2		AIP NO.	JOB NO.
3-23-2300-PENDING-2026			24038
OWK AWOS ELECTRICAL DIAGRAM		DRAWN BY:	SHEET
		MRM	26
		DESIGNED BY:	OF
		ADS/JHM	26
CENTRAL MAINE/NORRIDGEWOCK AIRPORT		SCALE:	DATE:
		NONE	MAY 2026