

CITY AND BOROUGH OF WRANGELL, ALASKA

INVITATION TO BID

**Wrangell Airport Airfield Lighting
Back-Up Power Connection**

ADDENDUM TO THE PROJECT DOCUMENTS

Addendum No: 1

Current Bid Date:
May 1, 2024 at 2:00 pm
AK Standard Time

Addendum Date: April 29, 2024

Pages This Addendum: Two (2) + 2-page drawing attachment

Previous Addenda: None

To: All Proposers. The following corrections, changes, additions, deletions, revisions and/or clarifications are hereby made a part of the Documents for the Invitation to Bid for the Wrangell Airport Airfield Lighting Back-Up Power Connection project. In case of conflicts between this Addendum and previously issued documents, this Addendum shall take precedence. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This addendum _____ does, **X** ***does not*** change the bid opening date.

Item 1: DRAWINGS

Replace engineered drawing set dated June 27, 2022 with two-page drawing set dated 4-22-2024.

Bidder Questions and Owner Responses

Question 1: Drawings show Automatic Transfer Switch. Bidder believes this should be a Manual Switch due to the portable nature of the generator to be used for backup power.

Response: The drawings call for a Double Throw Switch, which is considered a manual switch for use with the portable generator.

Question 2: Note 4. On Sheet E1.1 of the drawings calls for the provision of an additional coat of paint on enclosure before installation. Is this painting effort necessary if the enclosures are factory painted?

Response: If factory finish is paint, then the provision of the additional coat of paint in the field prior to installation is required. If the factory finish is a baked-on powder coating, then the provision of the additional coat of paint will be waived.

Question 3: Will a written security plan for fence breaching be required?

Response: Yes, the Contractor will be required to provide a written plan of work execution for installing the new conduit for between the New Electrical Equipment Stand and the existing Lighting Shelter located in the airport secured area.

Question 4: Will type of access will the Contractor have to working within the airport secured area?

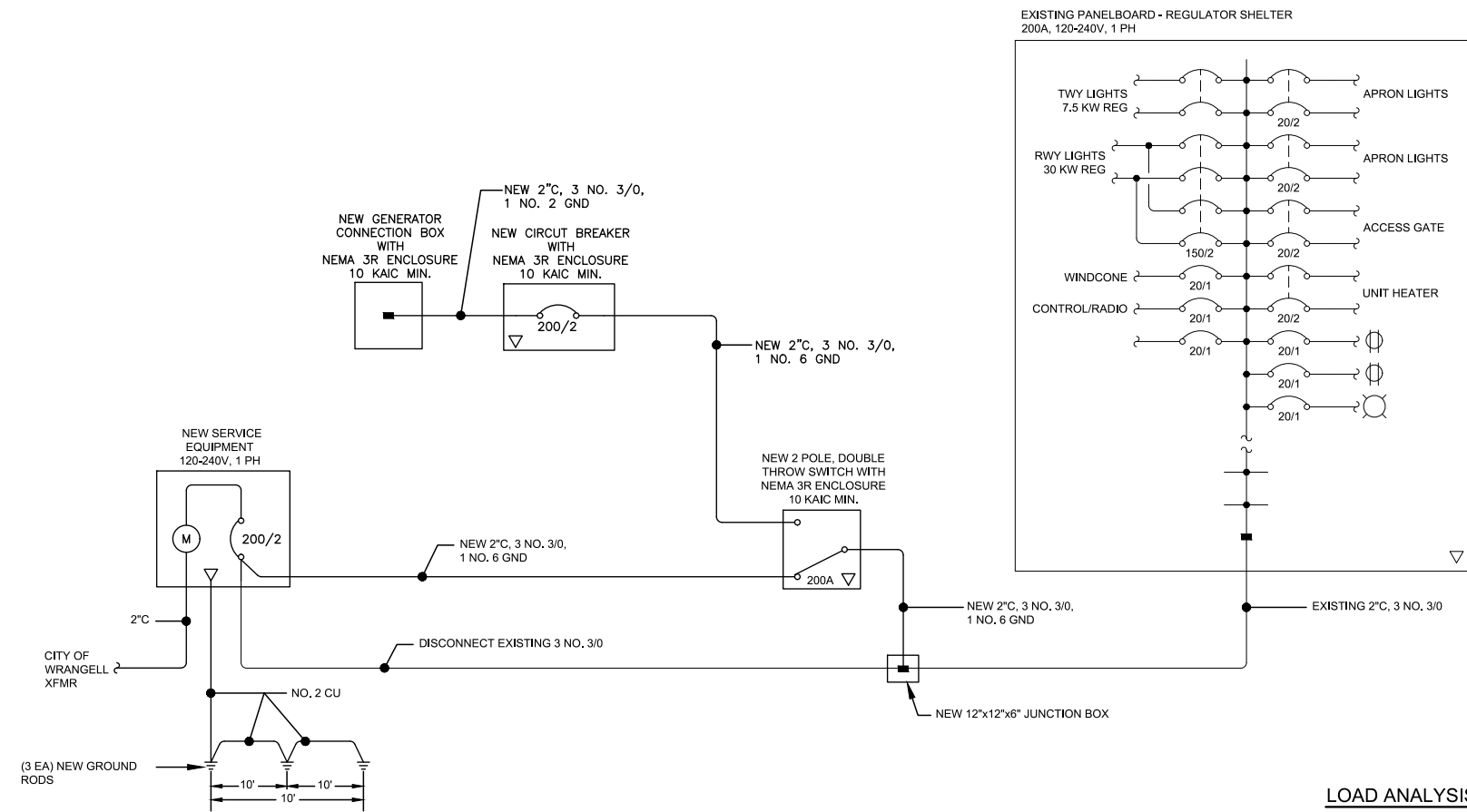
Response: Contractors will be limited to working during ADOT staff working hours, between the hours of 6:00 am and 5:00 pm.

Contractors who have a FAA issued Personal Identify verification (PIV) card will be able to gain access to the airport secured area by showing their badge for entry during the hours of 6:00 am and 5:00 pm.

Contractors who do not have a FAA issued Personal Identify verification (PIV) card will be required to coordinate escort within the airport secured area with ADOT staff.

To obtain a FAA badge: Fill out an application for a PIV at <http://idms.faa.gov/1681> (accessible via FAA Intranet only). Complete the mandatory training associated with the application. Have the application sponsored by the organization.

END OF ADDENDUM NO. 1



1 SINGLE LINE DIAGRAM - POWER DISTRIBUTION

LOAD ANALYSIS	KVA
TWY/RWY REGULATORS	22.6
APRON LIGHTS	6.6
HEATER	5.0
ACCESS GATE/CONTROLS	1.5
WINDCONE/RECEPTACLES/LIGHTS	35.7 (149A)

THE CALCULATED MAXIMUM FAULT CURRENT AT THE METER IS 7 975 AMPERES. ALL OF THE EXISTING EQUIPMENT APPEARS TO BE RATED AT 10,000 OR MORE.

LEGEND

ABBREVIATIONS:

- AFG ABOVE FINISHED GRADE
- C CONDUIT
- GND GROUND
- HDG HOT-DIPPED GALVANIZED
- TS TRANSFER SWITCH

SHEET NOTE SYMBOLS:

- (N) NEW
- X SECTION/SHEET CALLOUT

POWER:

- ⊕ DUPLEX RECEPTACLE

LIGHTING:

- ⊙ LUMINAIRE

SERVICE EQUIPMENT:

- ▭ PANELBOARD
- ⊞ UTILITY METER

DIAGRAM SYMBOLS:

- ⊞ AUTOMATIC TRANSFER SWITCH
- ⊞ CIRCUIT BREAKER
- ⊞ GROUND BUS
- ⊞ GROUND ROD
- ⊞ METER
- ▭ TERMINAL BLOCK

CONSULTANT :



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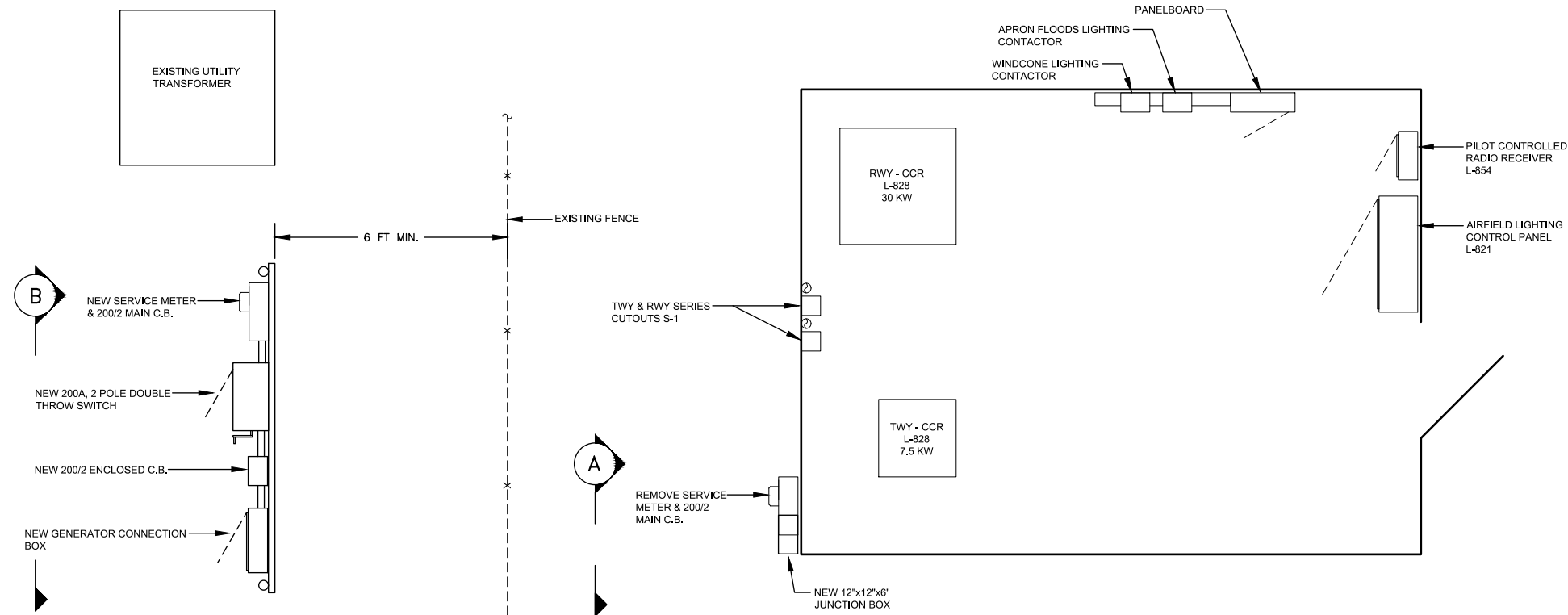
PROJECT :
**City of Wrangell
 WRANGELL AIRPORT AIRFIELD
 LIGHTING**
 WRANGELL, ALASKA

SHEET TITLE :
**LEGEND
 SINGLE LINE DIAGRAM**

DESIGN	BCH	
DRAWN	PEL	
CHECKED	BCH	
DATE	4/22/2024	
PROJECT No. 201-03		
SHEET NUMBER		
E1.0		
No.	Date	Item
1	04/22/2024	ADDENDUM NO. 1
REVISIONS		

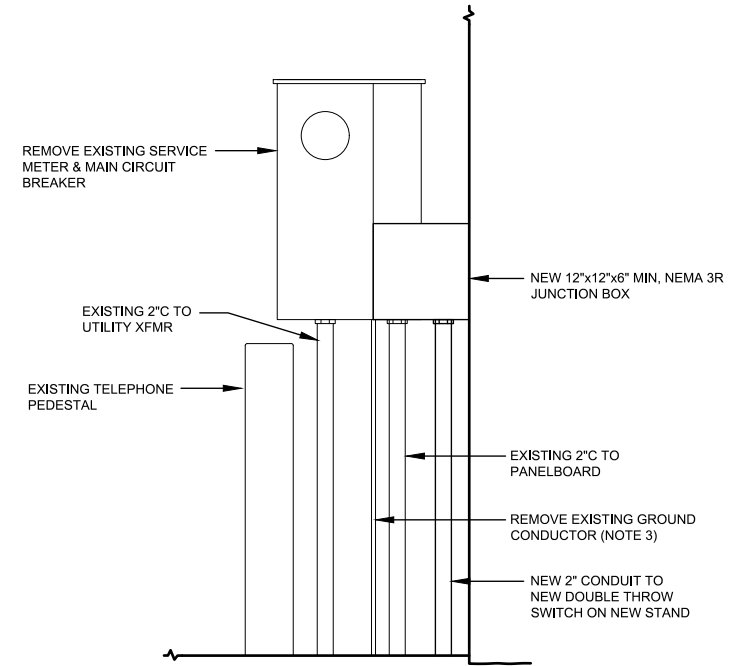
IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION. AFFECTING ALL LABELED SCALES.

M:\Projects\201 - City of Wrangell\03 Wrangell Airport Airfield Generator\Drawings\Working\E1.1 Layout1 Apr 22, 2024 4:10 PM

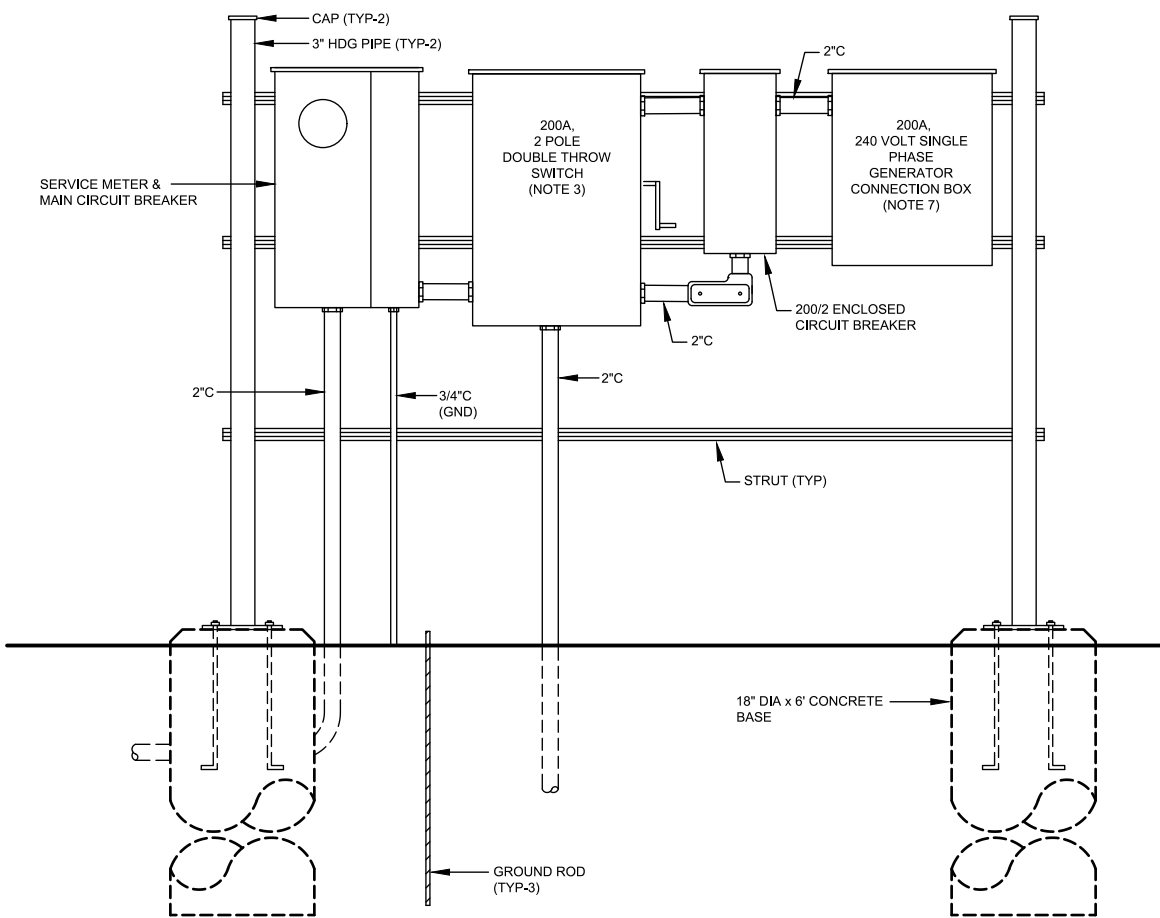


1 PLAN VIEW - AIRFIELD LIGHTING SHELTER SCALE: 0 1' 2' 4'

- NOTES:
- EXISTING BUILDING AND ELECTRICAL COMPONENTS ARE ILLUSTRATED WITH NEW ITEMS IDENTIFIED.
 - COORDINATE STAND LOCATION WITH OWNER.



A ELEVATION - SERVICE METER & MAIN CIRCUIT BREAKER SCALE: 0 6" 1' 2'

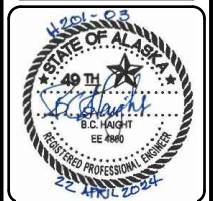


B ELEVATION - NEW ELECTRICAL EQUIPMENT STAND SCALE: 0 6" 1' 2'

- NOTES:
- REMOVE THE EXISTING SERVICE METER AND 200A MAIN CIRCUIT BREAKER.
 - REROUTE THE SERVICE FEEDER TO THE NEW METER AND 200A MAIN CIRCUIT BREAKER ON THE STAND.
 - ROUTE A FEEDER FROM THE DOUBLE THROW SWITCH ON THE STAND TO A NEW JUNCTION BOX ON THE BUILDING AND SPLICE TO THE EXISTING FEEDER TO THE PANELBOARD INSIDE THE BUILDING.
 - ALL CONDUIT SHALL BE HOT-DIPPED GALVANIZED STEEL AND ALL ENCLOSURES SHALL BE NEMA 3R. PROVIDE AN ADDITIONAL COAT OF PAINT ON ENCLOSURES BEFORE INSTALLATION.
 - ALL CONDUCTORS SHALL BE STRANDED COPPER WITH XHHW-2 INSULATION. GROUND CONDUCTORS SHALL BE BARE COPPER.
 - GROUND ELECTRODES SHALL BE COPPER CLAD 5/8" DIA x 8' LONG STEEL RODS.
 - GENERATOR CONNECTION BOX: NON SWITCHING, 120-240V, SINGLE PHASE, 200A, SINGLE NEUTRAL, WITH NEMA 3R ENCLOSURE AND CAM CONNECTION, UNION CONNECTOR GCP-N-O-2-200-1-1-1-0-0.
 - PROVIDE (5 EA) SINGLE CONDUCTOR, 2/0 AWG, 50 FT LONG TYPE W CABLES WITH CAM FITTINGS ON ONE END AND LUGS ON THE OTHER. COORDINATE CAM FITTINGS WITH GENERATOR CONNECTION BOX.
 - PROVIDE THE DOUBLE THROW SWITCH WITH PADLOCK HASPS ALLOWING IT TO BE LOCKED IN EITHER POSITION.

DESIGN	BCH	
DRAWN	PEL	
CHECKED	BCH	
DATE	4/22/2024	
PROJECT No. 201-03		
SHEET NUMBER E1.1		
1	04/22/2024	ADDENDUM NO. 1
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PROJECT:
City of Wrangell
WRANGELL AIRPORT AIRFIELD LIGHTING
WRANGELL, ALASKA

SHEET TITLE:
PLAN VIEW - AIRFIELD LIGHTING SHELTER