

**STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
AIRPORTS**

**ADDENDUM NO. 2
FOR
UST CLOSURE AND REPLACEMENT
ELLISON ONIZUKA KONA INTERNATIONAL AIRPORT AT KEAHOLE
KAILUA-KONA, HAWAII,
STATE PROJECT NO. AH2072-22R**

February 23, 2026

This Addendum shall make the following amendment(s) to the Solicitation:

A. NOTICE TO BIDDERS

1. Prospective bidders are **hereby notified** that receiving of bids, scheduled for February 27, 2026, at 2:00 p.m., Hawaii Standard Time (HST), is **HEREBY POSTPONED** until **April 6, 2026, at 2:00 p.m., HST.**

The attached **NOTICE TO BIDDERS** dated r2/23/26, shall be incorporated and made a part of the **NOTICE TO BIDDERS.**

B. SPECIFICATIONS

1. Delete **SECTION 01010 - DESCRIPTION OF WORK**, Page 01010-2, dated 01/07/26, and replace it with attached **SECTION 01010 - DESCRIPTION OF WORK**, Page 01010-2, dated r2/23/26.
2. Delete **SECTION 09901 - PAINTING**, Page 09901-1 and 09901-6, dated 01/07/26, and replace it with attached **SECTION 09901 – PAINTING**, Page 09901-1 and 09901-6, dated r2/23/26.
3. Delete **SECTION 15193 - FUEL SYSTEMS**, Page 15193-5, dated 01/07/26, and replace it with attached **SECTION 15193 - FUEL SYSTEMS**, Page 15193-5, dated r2/23/26.

C. PLANS

1. Delete **PLANS SHEET NO. 12, DETAIL MECHANICAL DEMOLITION PLAN** and replace it with attached **PLANS SHEET NO. ADD. 12 DETAIL MECHANICAL DEMOLITION PLAN**.
2. Delete **PLANS SHEET NO. 13, DETAIL MECHANICAL PLAN** and replace it with attached **PLANS SHEET NO. ADD. 13 DETAIL MECHANICAL PLAN**.
3. Delete **PLANS SHEET NO. 14, FUEL SYSTEM PIPING DIAGRAM** and replace it with attached **PLANS SHEET NO. ADD. 14 FUEL SYSTEM PIPING DIAGRAM**.
4. Delete **PLANS SHEET NO. 15, MECHANICAL FUEL SYSTEM SCHEMATIC DIAGRAMS** and replace it with attached **PLANS SHEET NO. ADD. 15 MECHANICAL FUEL SYSTEM SCHEMATIC DIAGRAMS**.
5. Delete **PLANS SHEET NO. 20, ONE-LINE DIAGRAM - EXISTING SERVICE/DISTRIBUTION///NEW WORK** and replace it with attached **PLANS SHEET NO. ADD. 20 ONE-LINE DIAGRAM - EXISTING SERVICE/DISTRIBUTION///NEW WORK**.
6. Delete **PLANS SHEET NO. 21, ELECTRICAL PLAN - EXISTING/DEMOLITION WORK** and replace it with attached **PLANS SHEET NO. ADD. 21 ELECTRICAL PLAN - EXISTING/DEMOLITION WORK**.
7. Delete **PLANS SHEET NO. 22, ONE-LINE DIAGRAMS** and replace it with attached **PLANS SHEET NO. ADD. 22 ONE-LINE DIAGRAMS**.
8. Delete **PLANS SHEET NO. 23, ELECTRICAL PLAN - NEW WORK** and replace it with attached **PLANS SHEET NO. ADD. 23 ELECTRICAL PLAN - NEW WORK**.
9. Delete **PLANS SHEET NO. 24, PANEL SCHEDULES** and replace it with attached **PLANS SHEET NO. ADD. 24 PANEL SCHEDULES**.

The following is provided for information.

D. PRE-BID MEETING MINUTES

1. The attached **PRE-BID MEETING MINUTES** and Attendance Sheet are provided for information.

E. RESPONSES TO REQUESTS FOR INFORMATION (RFI'S/QUESTIONS)

1. The attached **RESPONSES TO REQUEST FOR INFORMATION** are provided for information.

F. SUBSTITUTION REQUESTS

1. The attached **SUBSTITUTION REQUESTS** is provided for information.

Please acknowledge receipt of this **ADDENDUM NO. 2** by recording the date of its receipt in the space provided on the **PAGE P-4** of the Proposal.



CURT T. OTAGURO
Deputy Director of Transportation for Airports

NOTICE TO BIDDERS
Hawaii Revised Statutes (HRS),
Chapter 103D

The receiving of bids for **UST CLOSURE AND REPLACEMENT AT ELLISON ONIZUKA KONA INTERNATIONAL AIRPORT AT KEAHOLE, KAILUA-KONA, HAWAII, PROJECT NO. AH2072-22R**, will begin as of the HiePRO Release Date. Bidders shall register and submit complete bids through HiePRO only. Refer to the following HiePRO link for important information on Vendor Registration: <https://hiepro.ehawaii.gov/welcome.html>.

The solicitation plans, specifications, proposal, and additional documents designated or incorporated by reference shall be available in HiePRO.

HiePRO OFFER DUE DATE & TIME scheduled for February 27, 2026, at 2:00 p.m., Hawaii Standard Time (HST), is **HEREBY POSTPONED** until **April 6, 2026**, at 2:00 p.m., HST. Bidders shall submit and **upload the complete proposal to HiePRO** prior to the offer due date and time. Proposals received after said due date and time shall not be considered. Any additional support documents explicitly designated as **confidential and/or proprietary** shall be uploaded as a **separate file** to HiePRO. Bidders shall not include confidential and/or proprietary documents as part of their proposal. The record of each bidder and their respective proposal shall be open to public inspection. **FAILURE TO UPLOAD THE PROPOSAL TO HiePRO SHALL BE GROUNDS FOR REJECTION.**

All Request for Information (RFI) questions and Substitution Requests shall be submitted in HiePRO **is hereby extended until March 5, 2026, at 2:00 p.m., HST.** RFI questions received after the stated deadline shall not be addressed. Substitution Requests received after the stated deadline shall not be considered. Verbal RFI(s) shall not receive a response. All responses to RFI questions shall be provided for clarification and information only and issued by formal

addendum. Any amendments to the solicitation shall be made by formal addendum and posted in HiePRO.



CURT T. OTAGURO
Deputy Director of Transportation for Airports

responsibility shall then be on the Contractor to find space outside of airport property.

1.05 LOCATION OF THE WORK

A. The work to be performed under this contract is located at Ellison Onizuka Kona International Airport at Keahole, Hawaii.

B. Conditions:

1. The Main Terminal and airport roadways shall remain operational at all times. Any damages to existing areas caused by the Contractor shall be repaired by the Contractor at no cost to the State.
2. Upon execution of the contract, the Contractor, at their cost, shall obtain all permits required for this project.

1.06 HOURS OF WORK

A. Work can be performed at the construction site at any time over a 24-hour period without considerable disruption to airport operations or other adjacent tenants. ~~Noise, including demolition work, shall occur from 10:00 p.m. to 6:30 a.m.~~

~~Contractor shall coordinate other work activities with the Airport Operations for the hours between 6:30 a.m. to 1:30 p.m.~~ **Work shall occur from 6:30 a.m. to 5:00 p.m. Noise shall be limited to 85 dBA (8-hr weighted average) measured at the site boundary. Work involving noise above the limit shall be coordinated with the Engineer.** The Contractor shall coordinate their schedule with the Engineer if rescheduling of work or intermittent work is required, such work shall be performed at no extra cost to the State. If the Contractor elects to work overtime, compensation for State employees and for construction management consultant as authorized by the State shall be the Contractor's obligation to pay in accordance with Section 7.6 – “Overtime and Night Payment for State Inspection Services” of the General Provisions of Construction Projects (2016).

B. Contractor shall clean work areas at the end of each working shift. Rubbish, loose materials, etc. shall be disposed of daily. **Tools and equipment shall not be left unattended during work hours.** This includes tools left in unlocked vehicles, in the bed of pickup trucks, or in unlocked job sites. TSA citations may result in fines in excess of \$13,000 per violation and the confiscation of AOA badges. Materials shall be safely secured and stored in an area designated by the Airport Manager.

1.07 SAFETY

A. The Contractor shall take the necessary precautions to protect his workers and other personnel from injuries. The rules and regulations promulgated by the Occupational Safety and Health Acts are applicable and made a part of these specifications.

B. Barricades and warning signs shall be erected by the Contractor in the work area

DIVISION 9 - FINISHES

SECTION 09901 - PAINTING

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. The General Provisions for Construction Projects (2016), Special Provisions and General Requirements of the Specifications, apply to the work specified this Section.

1.02 SUMMARY

- A. This Section includes surface preparation and field painting of exposed exterior and interior items and surfaces.
 - 1. Surface preparation, priming, and finish coats specified in this Section are in addition to shop priming and surface treatment specified in other Sections.
- B. Paint exposed surfaces, except where these Specifications indicate that the surface or material is not to be painted or is to remain natural. If an item or a surface is not explicitly mentioned, paint the item or surface the same as similar adjacent materials or surfaces. The Engineer will select from standard colors and finishes available if a finish color is not indicated.
 - 1. Exterior surfaces, which include both sides of exterior doors and frames are scheduled to be finished.
 - 2. Exterior wood surfaces, fascia's, trims, battens, rafters and other exposed wood surfaces, etc. surfaces to be fully painted.
 - 3. Ferrous metals plated or factory-finished items specifically noted to be painted or when such items occur as accessories and appurtenance to surfaces required to be painted.
 - 4. Pipes, conduits, ducts, support apparatus, and other exposed mechanical and electrical items in areas to be painted. Exterior mechanical and electrical equipment and items on the roof or building exterior.
- C. Surfaces are not to be finished unless otherwise indicated.
 - 1. Concrete floors, paving walks, stairs, and textured concrete. Other concrete surfaces are scheduled not to be painted.
 - 2. Stone Masonry and masonry are scheduled to receive water-repellant coatings.

before being damaged), replace it with a new product of equal quality. No prorating or use of "used" products will be permitted.

1.10 EXTRA MATERIALS

A. Provide extra paint in each of the different colors, types, and surface textures of exterior and paint to the user/ state upon project completion. Paint shall be in unopened one-gallon containers and labeled with color, type, texture, room locations, date, and the manufacturer's label.

1. Provide 5 gallons of each color for paint used over large areas, such as the exterior of the building and in several classrooms.
2. Provide 1 gallon of each color of the painted areas.

1.11 WARRANTY

A. Provide a two-year guarantee that the work performed under this section conforms to the contract requirements and is free of any material or workmanship defect.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

A. Department of Transportation Airports (DOTA) Preferred Manufacturer:

1. The Sherwin-Williams Co (SW), Basis of Design
2. Refer to the attached roster to contact the SW rep closest to the project location.
3. Equal substitutions are to be considered by the DOTA.

2.02 PAINT MATERIALS, GENERAL

A. Material Compatibility: Provide block fillers, primers, and finish-coat materials compatible with one another and with the substrates indicated under conditions of service and application, as demonstrated by the manufacturer based on testing and field experience.

B. Mildewcide

1. Except for metal primers, provide primer and finish coats with suitable chemical mildewcide to the maximum amount of mildewcide per gallon of paint permitted by the mildewcide manufacturer without adversely affecting the quality of the paint, but not less than one ounce per gallon.

C. Material Quality: Provide the manufacturer's best-quality paint material of the various coating types specified factory formulated and recommended by the

2.03 VALVES

- A. Ball Valve: Valve shall be the non-lubricated, double seated, ball type and shall be tested in accordance with API 598 and API 607. Valve shall operate from fully open to fully closed with 90-degree rotation of the ball. Valve shall be capable of 2-way shutoff. Valve shall be constructed of Type 316 stainless steel. Valves shall have one-piece bodies and shall have a minimum bore not less than 55 percent of the internal cross sectional area of a pipe of the same nominal diameter.
- B. Solenoid Valve (Anti-siphoning): 2-way, normally closed (i.e. powered open), solenoid operated valve with stainless steel body and FKM elastomeric seal. 120 volt AC, 60 Hz, Type 7, explosion proof Class 1, Division 1, Group A, B, C, D enclosure. Valve shall be ASCO, Magna-Trol or approved equal.

2.04 UNIONS

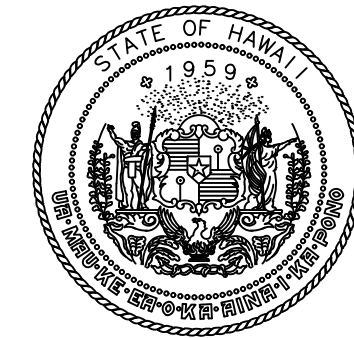
- A. Unions shall conform to ASME B16.39, Class 150. Union materials shall conform to ASTM A312, Grade 316. Dielectric unions shall conform to dimensional, strength, and pressure requirements of ASME B16.39, Class 150. Steel parts shall be plated. Union shall have a water-impervious insulation barrier capable of limiting galvanic current to one percent of the short-circuit current in a corresponding bimetallic joint. When dry, union shall be able to withstand a 600-volt breakdown test.

2.05 ABOVEGROUND FUEL STORAGE TANK

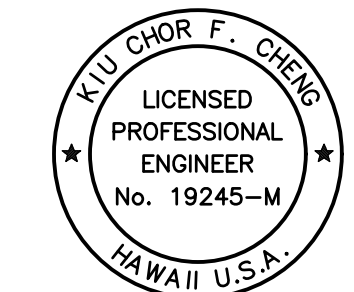
- A. Aboveground fuel storage tank shall be rectangular, double-wall, horizontal, protected type, listed and tested in accordance with UL 2085. Capacity of the tank shall be as listed on the drawings. Tank shall be constructed in accordance with UL 142. Annular space insulation material shall be a minimum of 3-inches thick and shall be UL 2085 listed. Tank shall be lined with epoxy, coated with urethane, and furnished with stainless steel fittings. Tank shall be designed for operation at atmospheric pressure only and shall withstand an air pressure test of 1.5 to 2 psi. Both inner and outer tanks shall have openings of sufficient size to meet normal and emergency venting requirements per UL 142, UFC, and NFPA 30. Tank shall bear the UL 2085 label for "Insulated Secondary Containment Aboveground Tank for Flammable Liquids" and provided with a minimum 30-year warranty.

2.06 FUEL STORAGE MONITORING SYSTEM

- A. **Aboveground** storage tank monitoring system shall be Veeder-Root Model TLS-450 PLUS or approved equal, NEMA 4 enclosure with automatic tank gauging, tank tightness testing, manway sump leak detection, tank interstitial space hydrostatic sensor, integral printer with 5 spare rolls of printer paper, inventory probe, leak sensors, digital and analog outputs. All components of the system shall be provided by a single manufacturer.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
AIRPORTS



YU CHOR F. CHENG
LICENSED PROFESSIONAL ENGINEER
No. 19245-M
HAWAII U.S.A.

This work was prepared by me or under my supervision.

| DSGN. | DRWN. | CHKD. | APPD. |
|-------|-------|-------|-------|
| RL | RL | KFC | KFC |

| NO. | DATE | REVISIONS |
|-----|----------|-------------|
| 2 | 02/20/26 | ADDENDUM #2 |

CONSTRUCTION DOCUMENTS
JANUARY 10, 2025
DATE

PROJECT TITLE :

UST CLOSURE AND REPLACEMENT

AT
ELLISON ONIZUKA
KONA INTERNATIONAL AIRPORT AT KEAHOLE
KAILUA-KONA, HAWAII

PROJECT NO.:

AH2072-22R

SHEET TITLE:

DETAIL MECHANICAL DEMOLITION PLAN

DATE :

JAN 2025

SHEET :

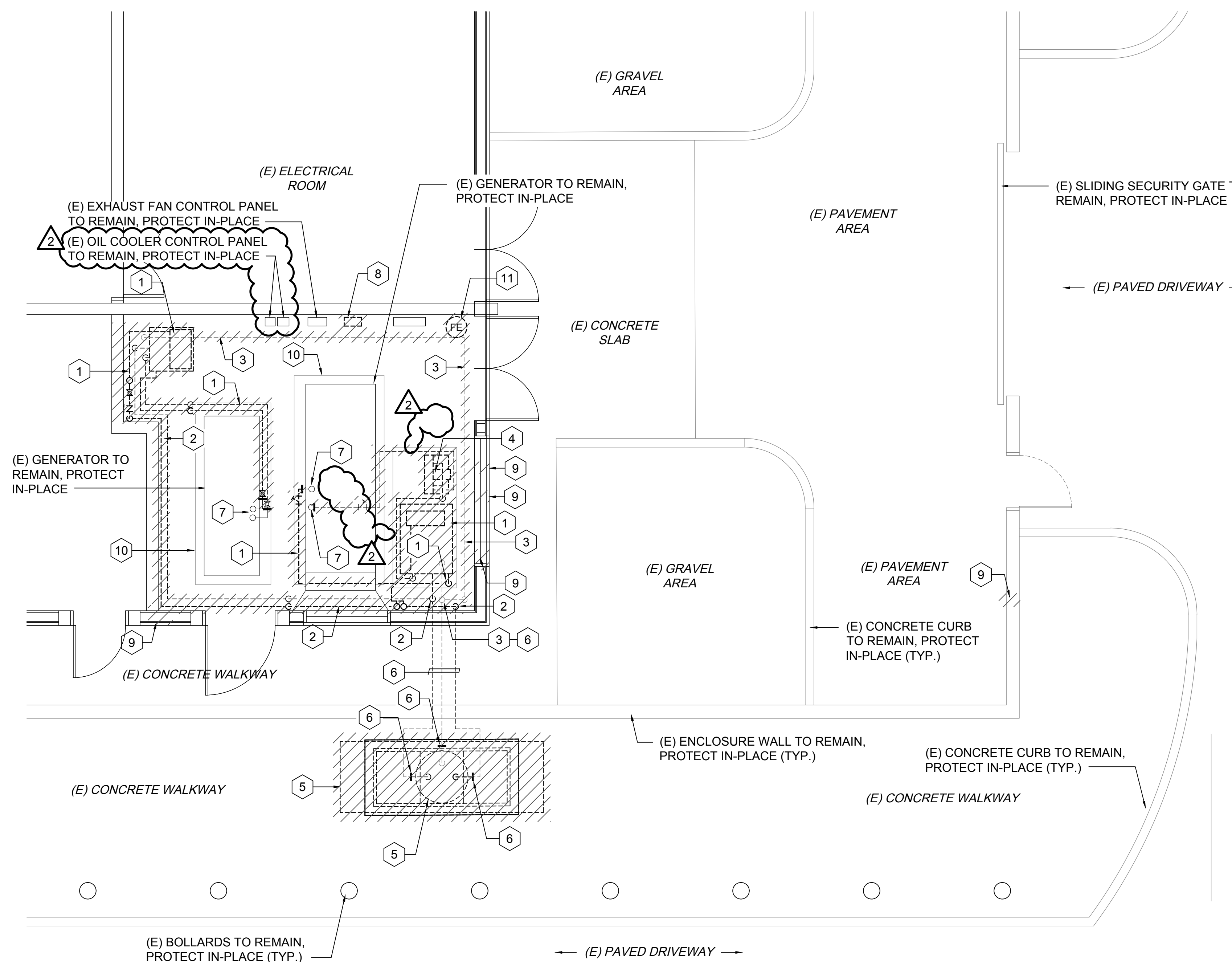
ADD. 12

DWG. NO.

M-101

DEMOLITION CALLOUTS:

- 1 REMOVE (E) DAY TANK, SECONDARY CONTAINMENT ENCLOSURE, CONTROL PANEL, ALL EXPOSED FUEL SUPPLY AND RETURN PIPING FROM GENERATOR AND UNDERGROUND FUEL STORAGE TANK, DAY TANK VENT PIPING, FUEL FILTER, AND APPURTENANT ACCESSORIES AND FITTINGS.
- 2 CUT AND REMOVE (E) ABOVEGROUND FUEL SUPPLY AND RETURN PIPING, PIPE SUPPORTS, FITTINGS, AND APPURTENANCES. CUT FUEL PIPING 2" ABOVE FLOOR AND CAP. (E) UNDERGROUND FUEL PIPING TO BE ABANDONED IN-PLACE.
- 3 REMOVE (E) DAY TANK VENT PIPING, HANGER SUPPORTS, AND FITTINGS. CUT VENT PIPING 2" BELOW CEILING, CAP AND ABANDON IN-PLACE PIPING THRU ROOF. REMOVE PRESSURE VENT CAP ABOVE ROOF AND CAP PORTION OF VENT PIPING ABOVE ROOF.
- 4 TEMPORARILY REMOVE (E) OIL COOLER TO FACILITATE DAY TANK REPLACEMENT.
- 5 ABANDON IN-PLACE (E) UST. REMOVE (E) CONTAINMENT SUMP, HAND HOLES, COVERS, ALL EXPOSED FUEL SUPPLY, RETURN, AND TANK VENT PIPING, AND ALL TANK MONITORING SYSTEM SENSORS AND APPURTENANCES.
- 6 (E) UNDERGROUND FUEL SUPPLY, RETURN AND VENT PIPING, CAPPED AND ABANDONED IN-PLACE. CUT AND CAP (E) UST TANK VENT PIPING 2" ABOVE FLOOR.
- 7 (E) GENERATOR ENGINE FUEL SUPPLY AND RETURN PIPING TO REMAIN, PROTECT IN-PLACE FOR CONNECTION TO (N) FUEL PIPING FROM (N) DAY TANK.
- 8 REMOVE (E) UST MONITORING SYSTEM CONTROL PANEL AND APPURTENANT ACCESSORIES.
- 9 CORE THRU (E) WALL TO ACCOMMODATE (N) FUEL AND VENT PIPING, COORDINATE (N) PIPE ROUTING AND LOCATION OF WALL PENETRATIONS.
- 10 (E) CONCRETE EQUIPMENT PAD TO REMAIN, PROTECT IN-PLACE.
- 11 REMOVE (E) FIRE EXTINGUISHER, REPLACE WITH (N) FIRE EXTINGUISHER IN WALL MOUNTED CABINET.



1
M-101

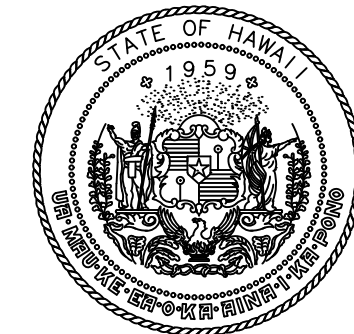
DETAIL MECHANICAL DEMOLITION PLAN

SCALE: 1/4" = 1'-0"

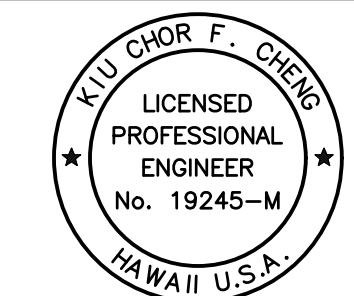


IF THIS SHEET IS LESS THAN
34"x22", IT IS A REDUCED PRINT.
SCALE REDUCED ACCORDINGLY.

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
AIRPORTS



YU CHOR F. CHENG
LICENSED PROFESSIONAL ENGINEER
No. 19245-M
HAWAII U.S.A.
04/30/2026
Licensed Expiration Date

This work was prepared by me or under my supervision.

| DSGN. | DRWN. | CHKD. | APPD. |
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| RL | RL | KFC | KFC |

| NO. | DATE | REVISIONS |
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| 2 | 02/20/26 | ADDENDUM #2 |

CONSTRUCTION DOCUMENTS
JANUARY 10, 2025
DATE

PROJECT TITLE :

UST CLOSURE AND REPLACEMENT

AT
ELLISON ONIZUKA
KONA INTERNATIONAL AIRPORT AT KEAHOLE
KAILUA-KONA, HAWAII

PROJECT NO.:

AH2072-22R

SHEET TITLE:

DETAIL MECHANICAL PLAN

| DATE : | DWG. NO. |
|----------|----------|
| JAN 2025 | M-201 |
| SHEET : | |
| ADD. 13 | |

UNIFORM BLACK BACKGROUND
1/8" THICK WHITE BORDER
UNIFORM RED BACKGROUND
WHITE, ARIAL BOLD FONT

DRIVER WARNING

DO NOT INITIATE FUEL OR OIL TRANSFERS PRIOR TO CHECKING IN WITH FACILITY PERSONNEL

Tank truck drivers are responsible for following DOT procedures (49 CFR Parts 177.834 and 177.837)

Shut down engine unless used for transfer pumping operation

Set brakes and chock wheels prior to and for the duration of all fuel and oil transfers

Perform bonding/grounding prior to fuel and oil transfers, if necessary

No smoking during fuel and oil transfers

Use drip pails below hose connections during fuel and oil transfers

Remain within 25 feet and maintain an unobstructed view of cargo tank and hose at all times during fuel and oil transfers

Inspect vehicle drains and outlets for leakage prior to loading and prior to vehicle departure; make necessary adjustments or repairs prior to departure

Verify complete disconnect of hoses and bonding/grounding prior to removal of wheel chocks

DO NOT DEPART PRIOR TO CHECKING IN WITH FACILITY PERSONNEL

UNIFORM WHITE BACKGROUND

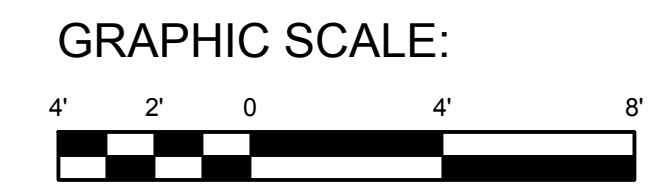
- NOTES:
- SIGN SHALL BE 18 INCHES WIDE BY 24 INCHES TALL, 18-GA ZINC-COATED BONDERIZED STEEL. FINISH SHALL BE REFLECTORIZED OF THE TYPE AND COLOR RECOMMENDED BY THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, 2009.
 - TEXT SHALL BE BLACK, ARIAL FONT UNLESS NOTED OTHERWISE.

1 FUELING SIGN DETAIL
SCALE: NOT TO SCALE

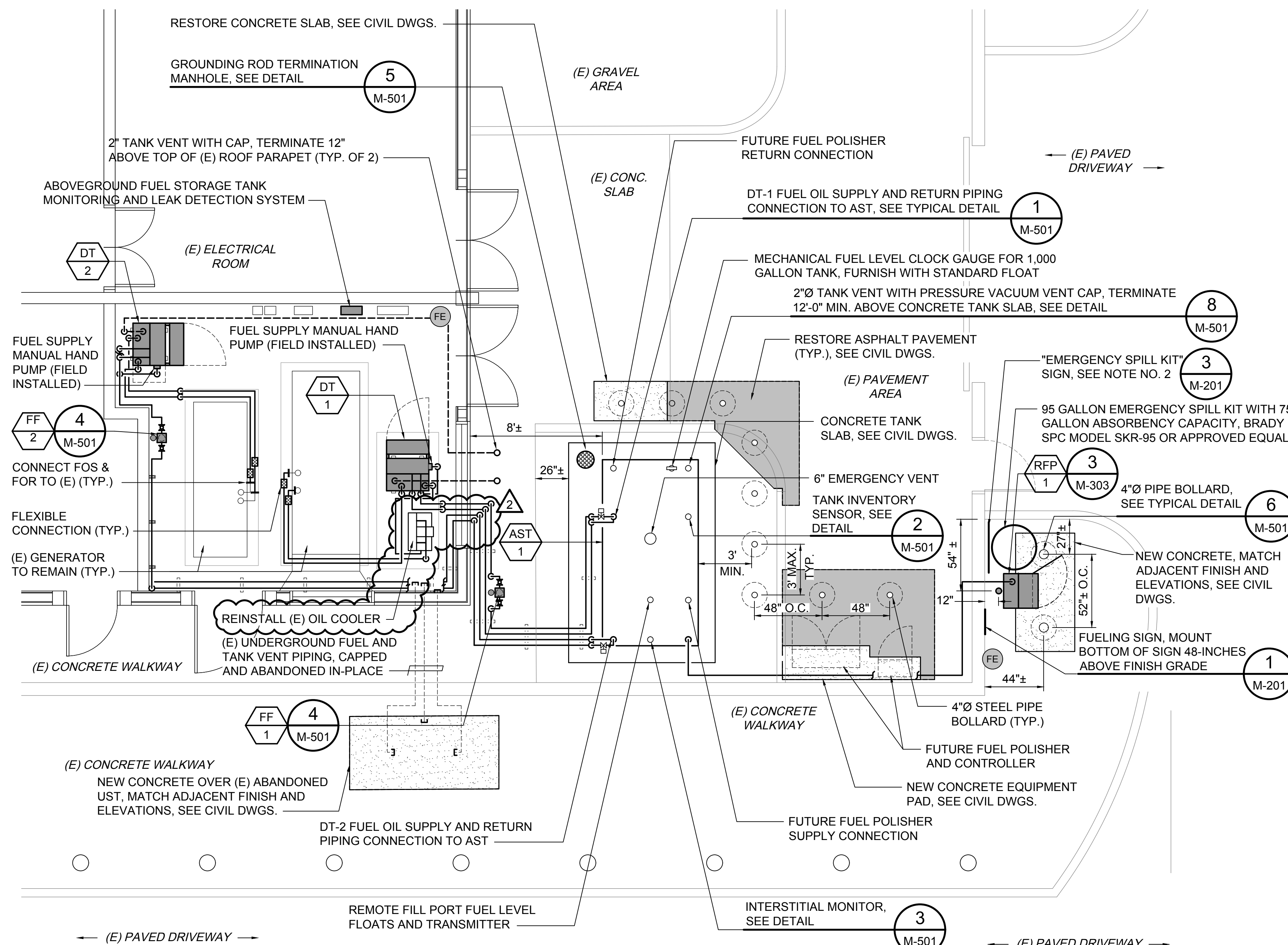
2 DETAIL MECHANICAL PLAN
SCALE: 1/4" = 1'-0"

3 EMERGENCY SPILL KIT SIGN DETAIL
SCALE: NOT TO SCALE

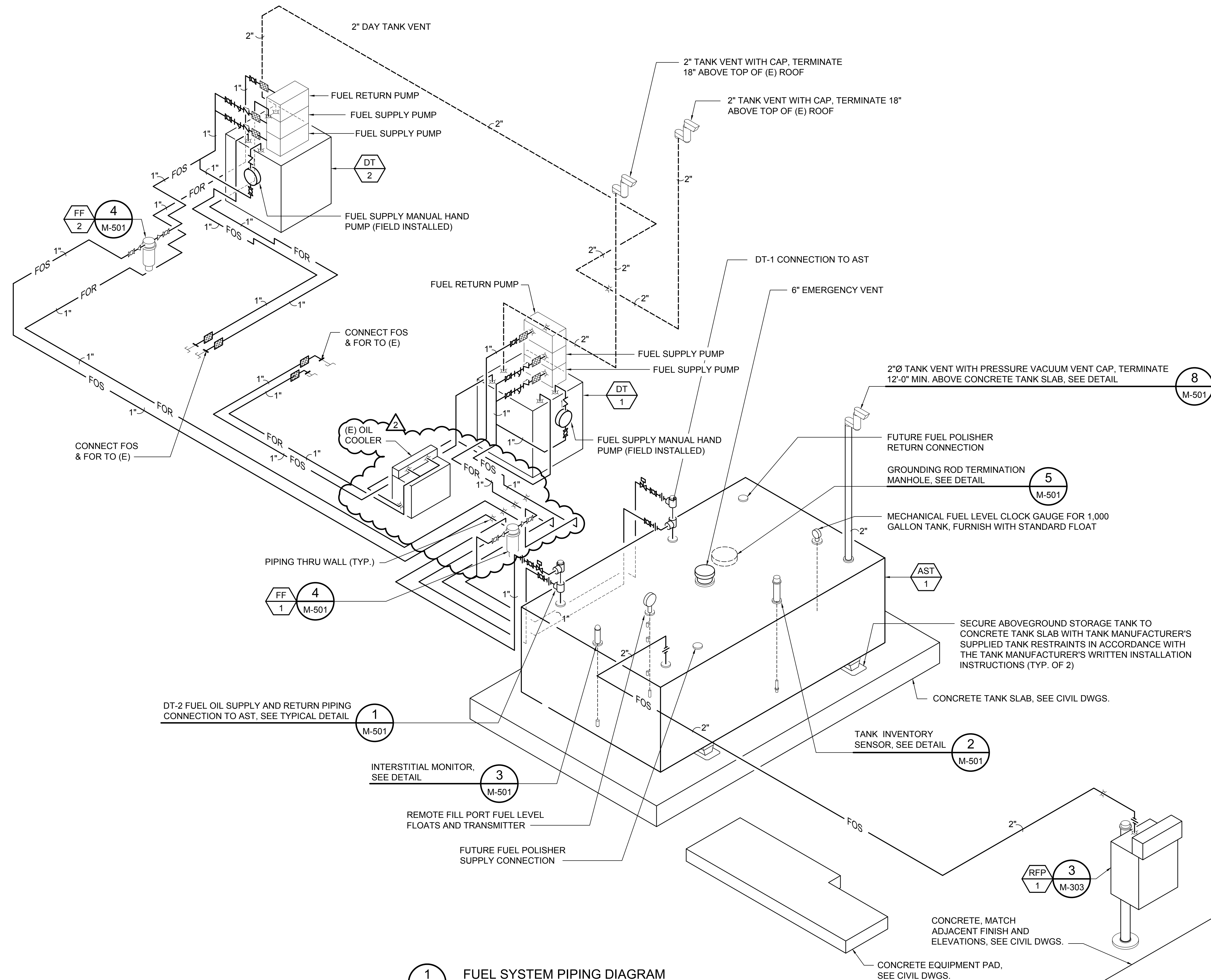
- NOTES:
- CLEARANCE BETWEEN PIPE BOLLARD AND ABOVE GROUND STORAGE TANK IS MEASURED FROM THE FACING SURFACE OF THE BOLLARD TO THE FACING SURFACE OF THE TANK (TYP.)
 - EMERGENCY SPILL KIT SIGN SHALL BE 36 INCHES WIDE BY 30 INCHES TALL, 18-GA ZINC-COATED BONDERIZED STEEL WITH REFLECTORIZED FINISH. TEXT SHALL BE RED ARIAL FONT AT A HEIGHT OF 4 INCHES WITH UNIFORM WHITE BACKGROUND AND A 5/8" THICK BORDER OFFSET BY 1/2" FROM THE EDGE OF THE SIGN. FASTEN SIGN ON CMU WALL SUCH THAT BOTTOM OF SIGN IS 4'-0"± ABOVE GRADE.



IF THIS SHEET IS LESS THAN 34"x22", IT IS A REDUCED PRINT. SCALE REDUCED ACCORDINGLY.

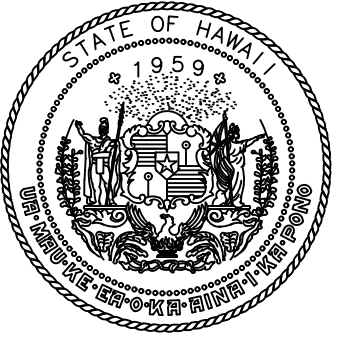


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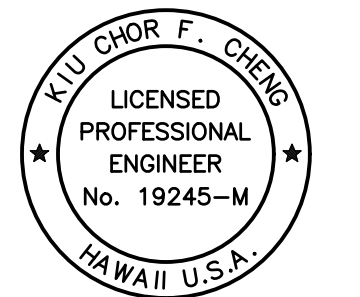


1 FUEL SYSTEM PIPING DIAGRAM
M-501 NOT TO SCALE

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
AIRPORTS



Yu Chor F. Cheng
04/30/2026
Licensed Expiration Date

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| | | | |
|-------|-------|-------|-------|
| DSGN. | DRWN. | CHKD. | APPD. |
| RL | RL | KFC | KFC |

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| NO. | DATE | REVISIONS |
| 2 | 02/20/26 | ADDENDUM #2 |

CONSTRUCTION DOCUMENTS
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PROJECT NO.:

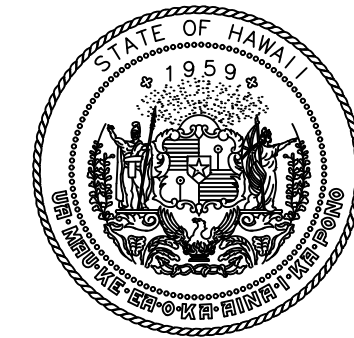
AH2072-22R

SHEET TITLE:

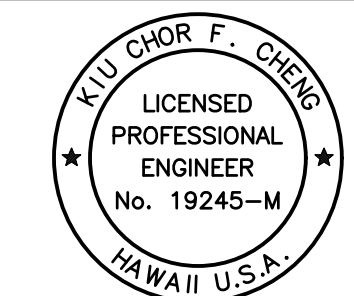
FUEL SYSTEM PIPING DIAGRAM

| | |
|----------|----------|
| DATE : | DWG. NO. |
| JAN 2025 | M-301 |
| SHEET : | |
| ADD. 14 | |

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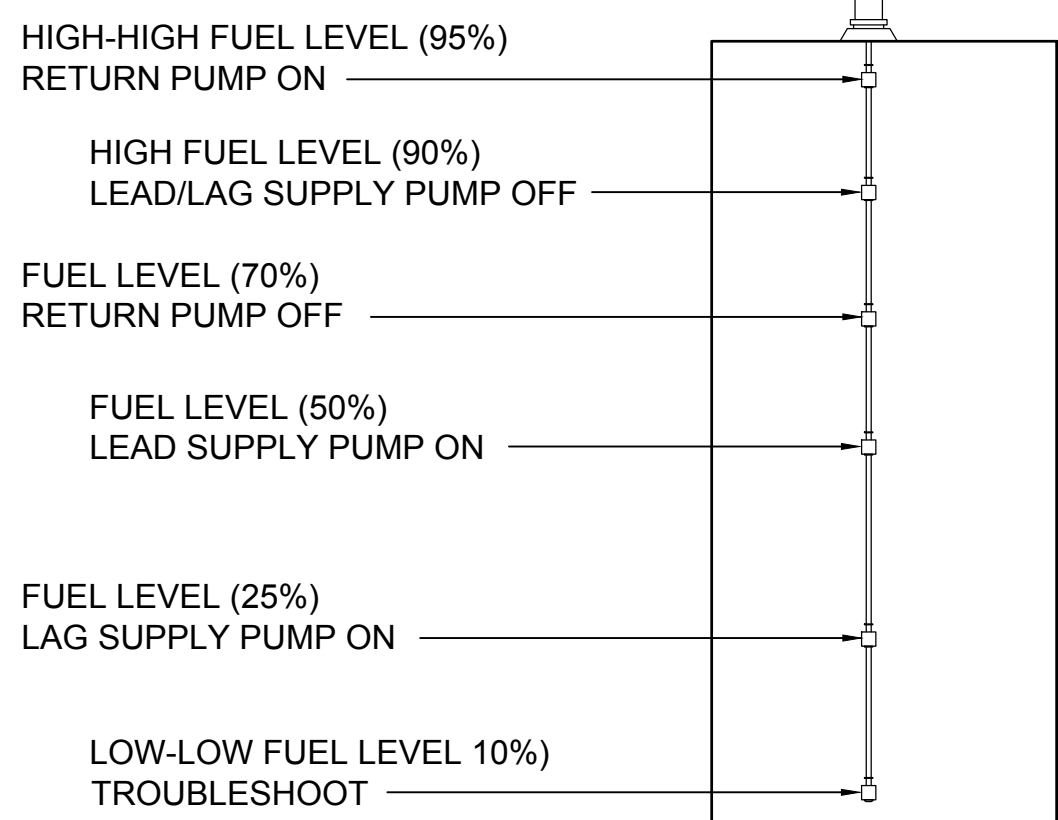
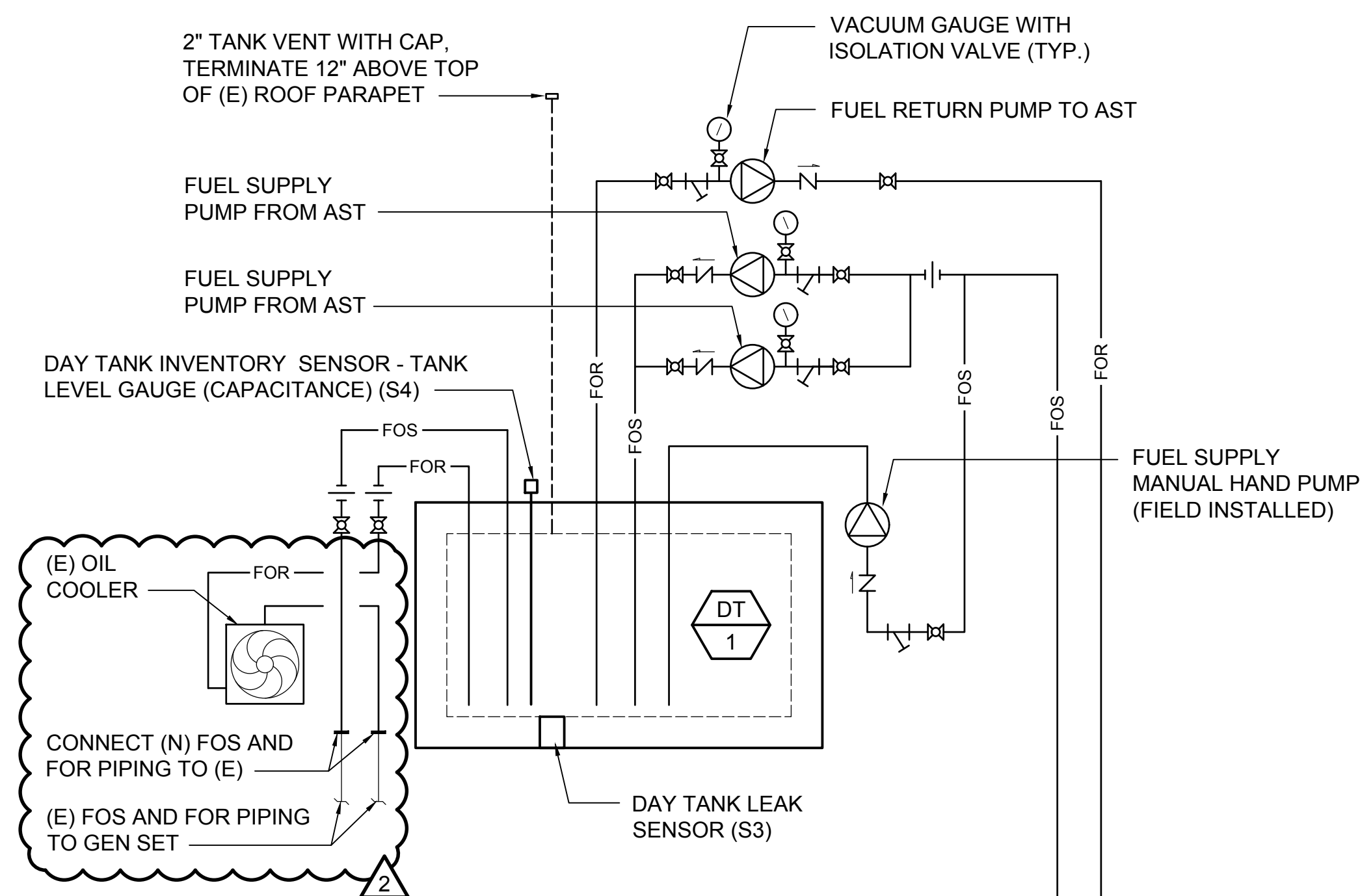
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
AIRPORTS



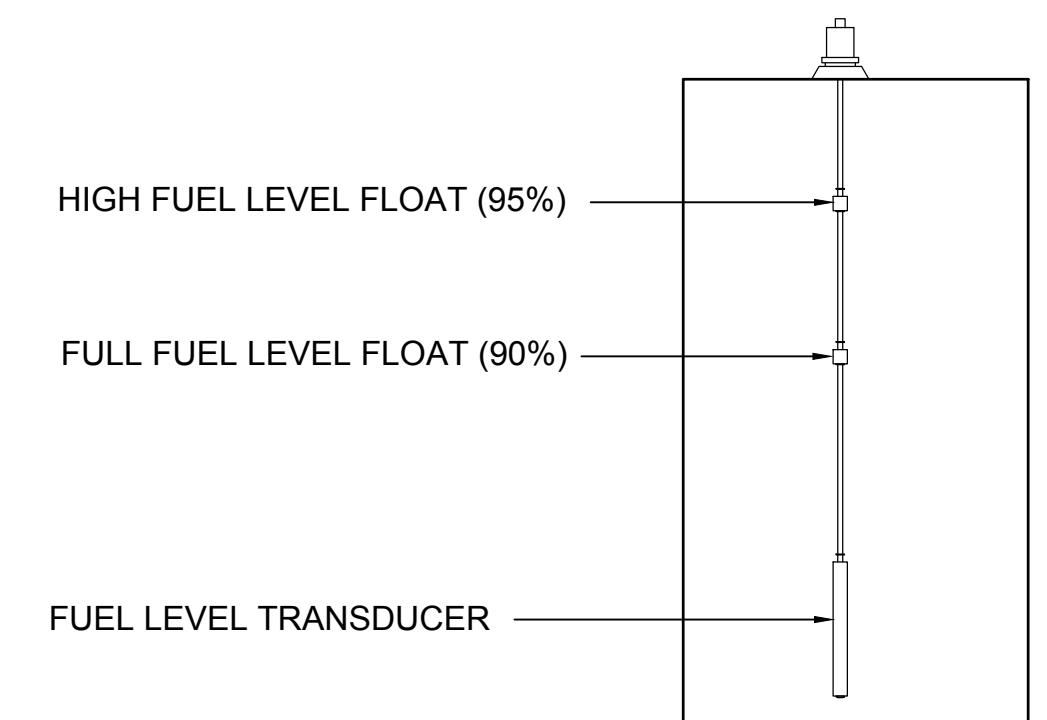
Yu Chor F. Cheng
04/30/2026
Licensed Expiration Date

This work was prepared by me or under my supervision.

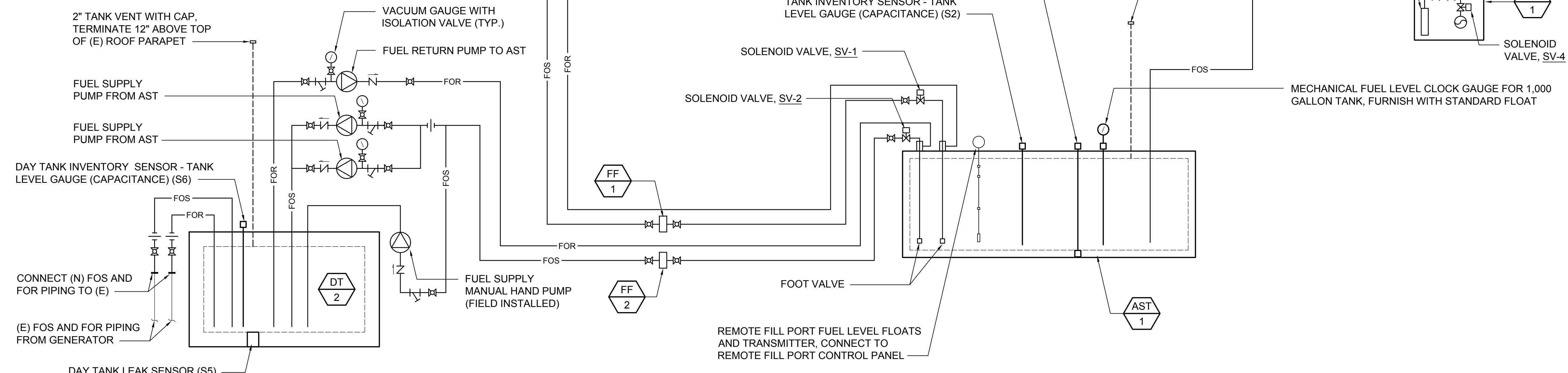
| DSGN. | DRWN. | CHKD. | APPD. |
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| RL | RL | KFC | KFC |



2 DAY TANK TYPICAL FLOAT LEVEL SCHEMATIC DIAGRAM
M-302 NOT TO SCALE



3 REMOTE FILL PORT FLOAT LEVEL SCHEMATIC DIAGRAM
M-302 NOT TO SCALE



1 MECHANICAL FUEL SYSTEM SCHEMATIC PIPING DIAGRAM
M-302 NOT TO SCALE

| FUEL MONITORING SYSTEM SENSOR ASSIGNMENTS | |
|---|---|
| S1 | DETECTS LEAKS OUT OF THE ABOVEGROUND STORAGE TANK'S PRIMARY CONTAINMENT TANK WALL |
| S2 | DETECTS AND MONITORS THE LIQUID FUEL LEVEL INSIDE OF THE ABOVEGROUND STORAGE TANK |
| S3 | DETECTS LEAKS OUT OF THE PRIMARY CONTAINMENT TANK WALL OF THE DAY TANK (DT-1) |
| S4 | DETECTS AND MONITORS THE LIQUID LEVEL INSIDE OF THE DAY TANK (DT-1) |
| S5 | DETECTS LEAKS OUT OF THE PRIMARY CONTAINMENT TANK WALL OF THE DAY TANK (DT-2) |
| S6 | DETECTS AND MONITORS THE LIQUID LEVEL INSIDE OF THE DAY TANK (DT-2) |

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| NO. | DATE | REVISIONS |
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| 2 | 02/20/26 | ADDENDUM #2 |

CONSTRUCTION DOCUMENTS
JANUARY 10, 2025
DATE

PROJECT TITLE :

UST CLOSURE AND REPLACEMENT
AT
ELLISON ONIZUKA
KONA INTERNATIONAL AIRPORT AT KEAHOLE
KAILUA-KONA, HAWAII

PROJECT NO.:

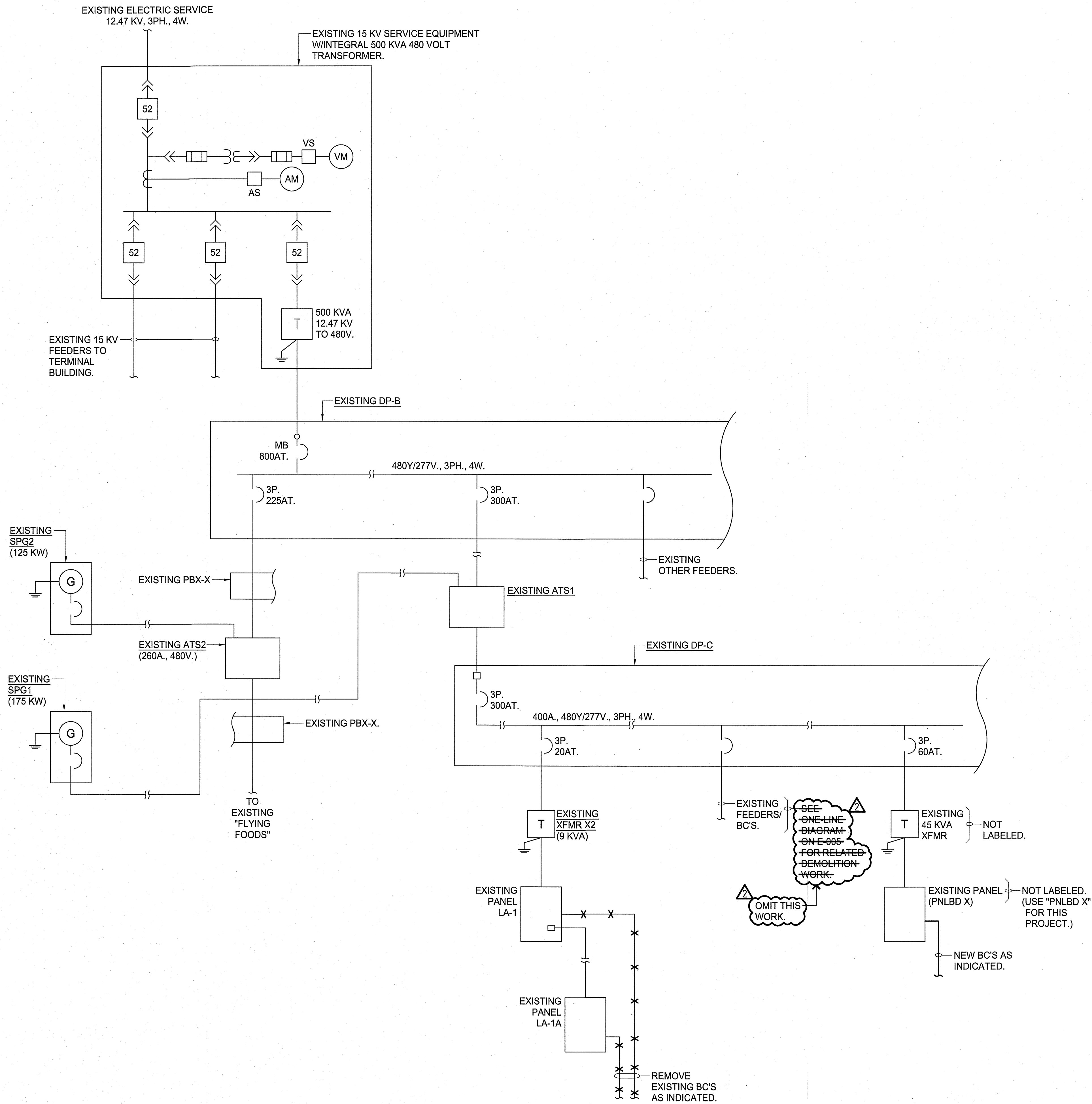
AH2072-22R

SHEET TITLE:

MECHANICAL FUEL SYSTEM SCHEMATIC DIAGRAMS

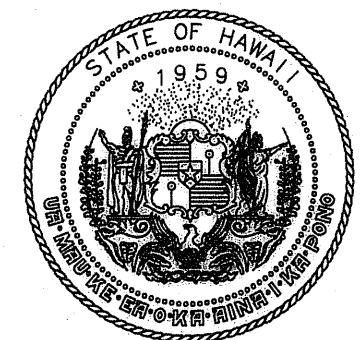
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| DATE : | DWG. NO. |
| JAN 2025 | M-302 |
| SHEET : | |
| ADD. 15 | |

M:\PROJECTS\2023-000\223-071A KOA LIST REPLACEMENTS\SUBMITTALS\07_ADDENDUM NO. 2\MECHANICAL CAD\KOA_SHT_FUELSYS_CNTRL_SCHMATIC.DWG - Plotter: 2026-02-17, Layout: M-302

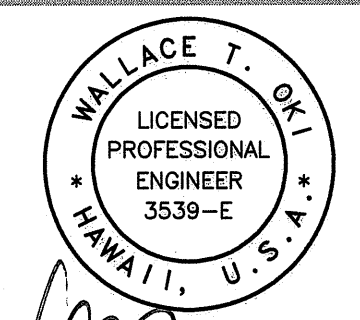


ONE-LINE DIAGRAM - EXISTING SERVICE/DISTRIBUTION///NEW WORK
(NOTE: ONLY ITEMS APPLICABLE TO NEW WORK ARE INDICATED.)

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
AIRPORTS



WALLACE T. OKI
LICENSED PROFESSIONAL ENGINEER
3539-E
HAWAII, U.S.A.
04/30/2026
Licensed Expiration Date
WTO REF. NO. 102023166
This work was prepared by me or under my supervision.

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| WTO | LTK | WTO | WTO |

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| | 02/20/26 | | |

CONSTRUCTION DOCUMENTS
JANUARY 10, 2025
DATE

PROJECT TITLE :

UST CLOSURE AND REPLACEMENT
AT
ELLISON ONIZUKA
KONA INTERNATIONAL AIRPORT AT KEAHOLE
KAILUA-KONA, HAWAII

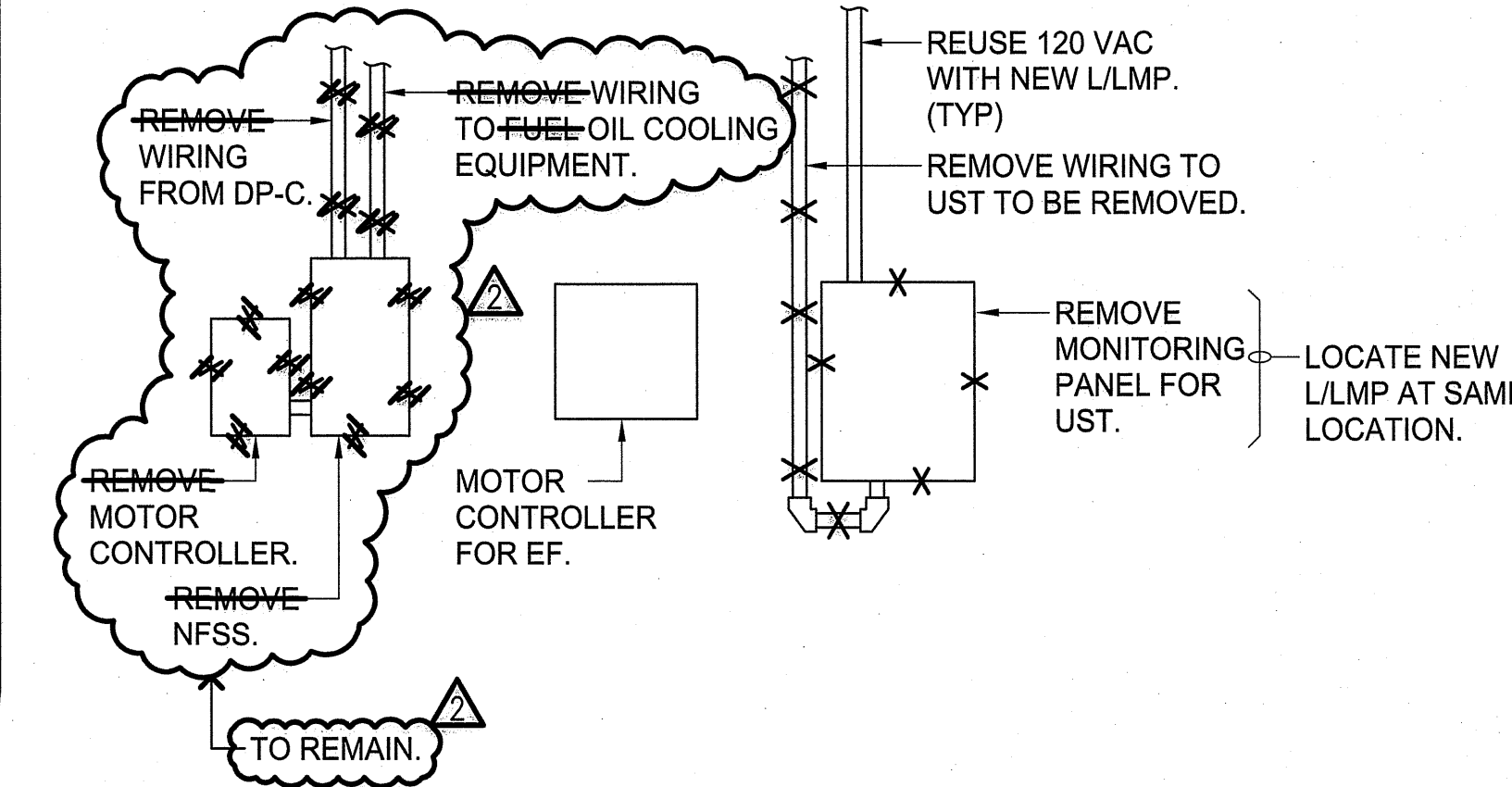
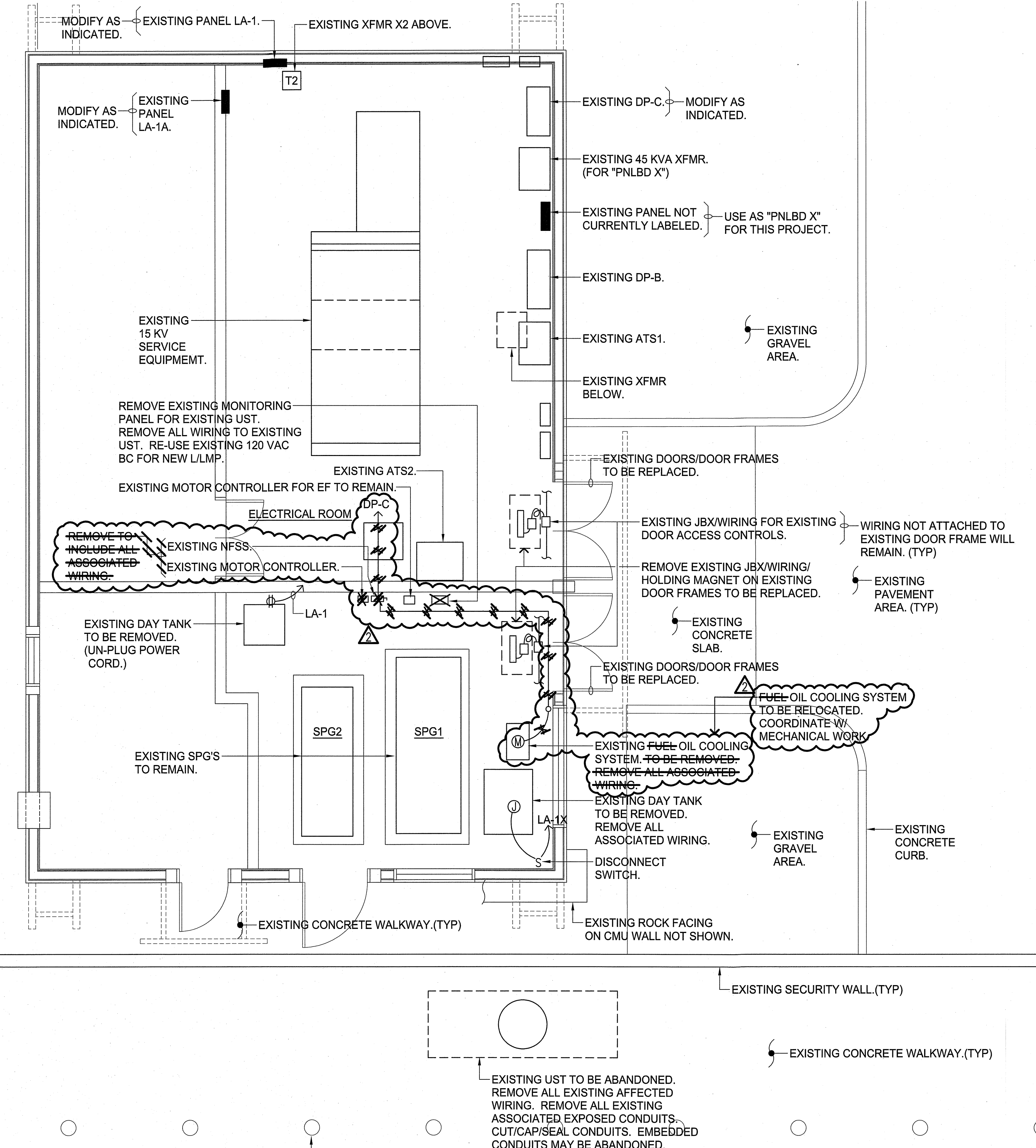
PROJECT NO.:

AH2072-22R

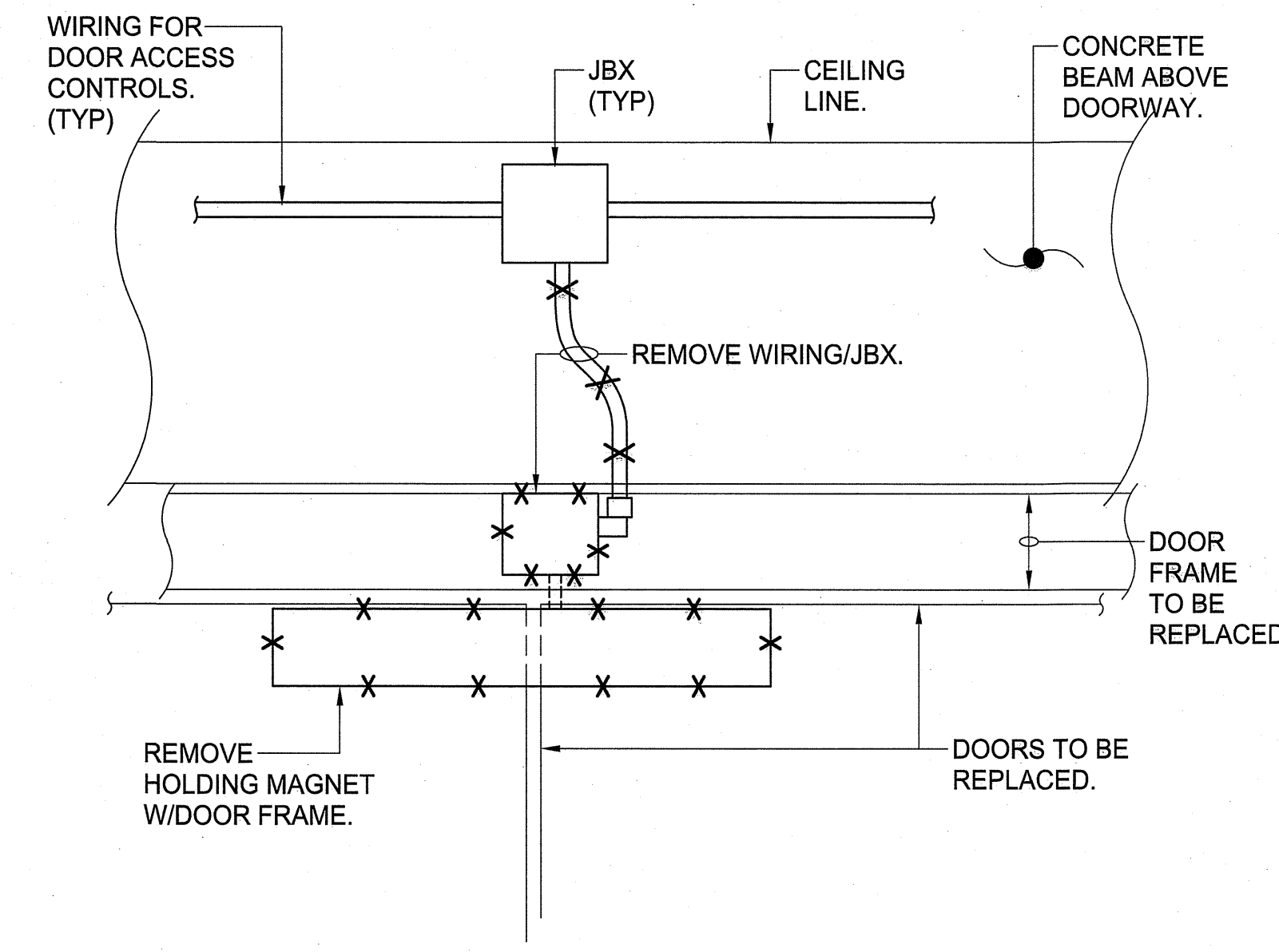
SHEET TITLE:

ONE-LINE DIAGRAM-
EXISTING SERVICE/
DISTRIBUTION///NEW WORK

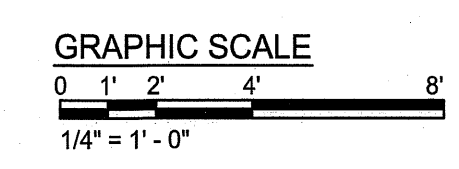
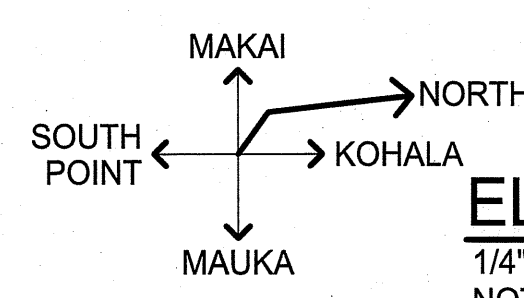
| | |
|----------|----------|
| DATE : | DWG. NO. |
| JAN 2025 | E-003 |
| SHEET : | |
| ADD. 20 | |



**GENERAL ARRANGEMENT (TYP) -
EXISTING NFSS/MOTOR CONTROLLER FOR FUEL OIL
COOLING SYSTEM//EXISTING MONITORING PANEL**
NOT TO SCALE

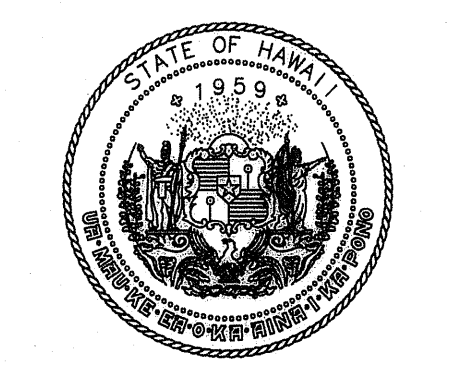


**GENERAL ARRANGEMENT (TYP) -
DEMOLITION WORK -
PORTION OF EXISTING DOOR ACCESS CONTROLS**
NOT TO SCALE

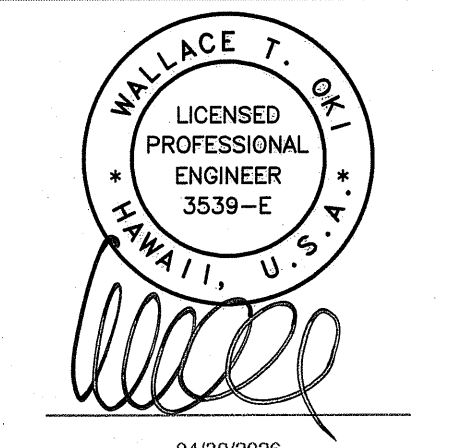


ELECTRICAL PLAN - EXISTING/DEMOLITION WORK

NOTES: 1. ONLY ITEMS APPLICABLE TO NEW WORK ARE INDICATED.
2. COORDINATE ALL WORK WITH MECHANICAL WORK.



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DEPARTMENT OF TRANSPORTATION
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CONSTRUCTION DOCUMENTS
JANUARY 10, 2025
DATE

PROJECT TITLE :

UST CLOSURE AND REPLACEMENT
AT
ELLISON ONIZUKA
KONA INTERNATIONAL AIRPORT AT KEAHOLE
KAILUA-KONA, HAWAII

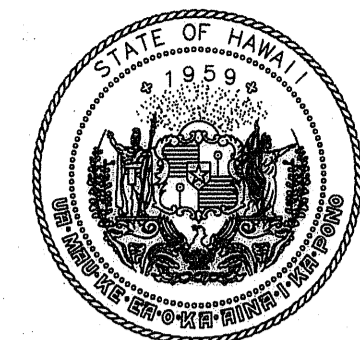
PROJECT NO.:
AH2072-22R

SHEET TITLE:

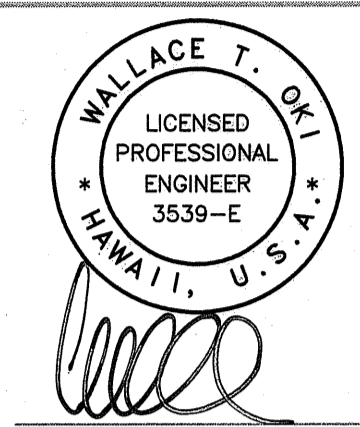
ELECTRICAL PLAN - EXISTING/DEMOLITION WORK

| | |
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| SHEET: | |
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| | 02/20/26 | ADDENDUM NO.2 |

CONSTRUCTION DOCUMENTS
JANUARY 10, 2025
DATE

PROJECT TITLE :

UST CLOSURE AND REPLACEMENT
AT
ELLISON ONIZUKA
KONA INTERNATIONAL AIRPORT AT KEAHOLE
KAILUA-KONA, HAWAII

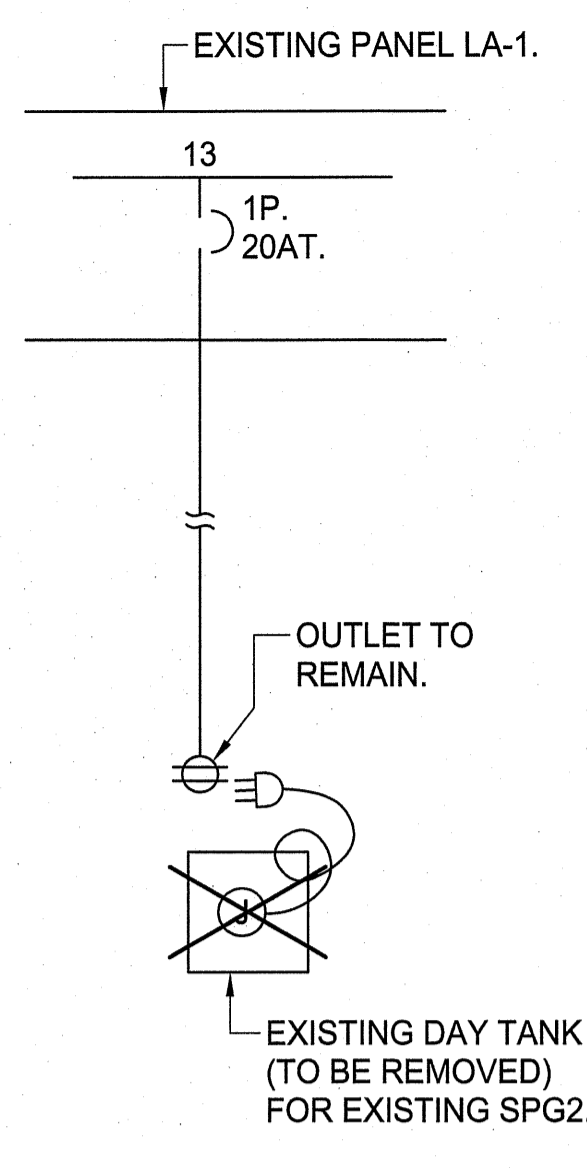
PROJECT NO.:

AH2072-22R

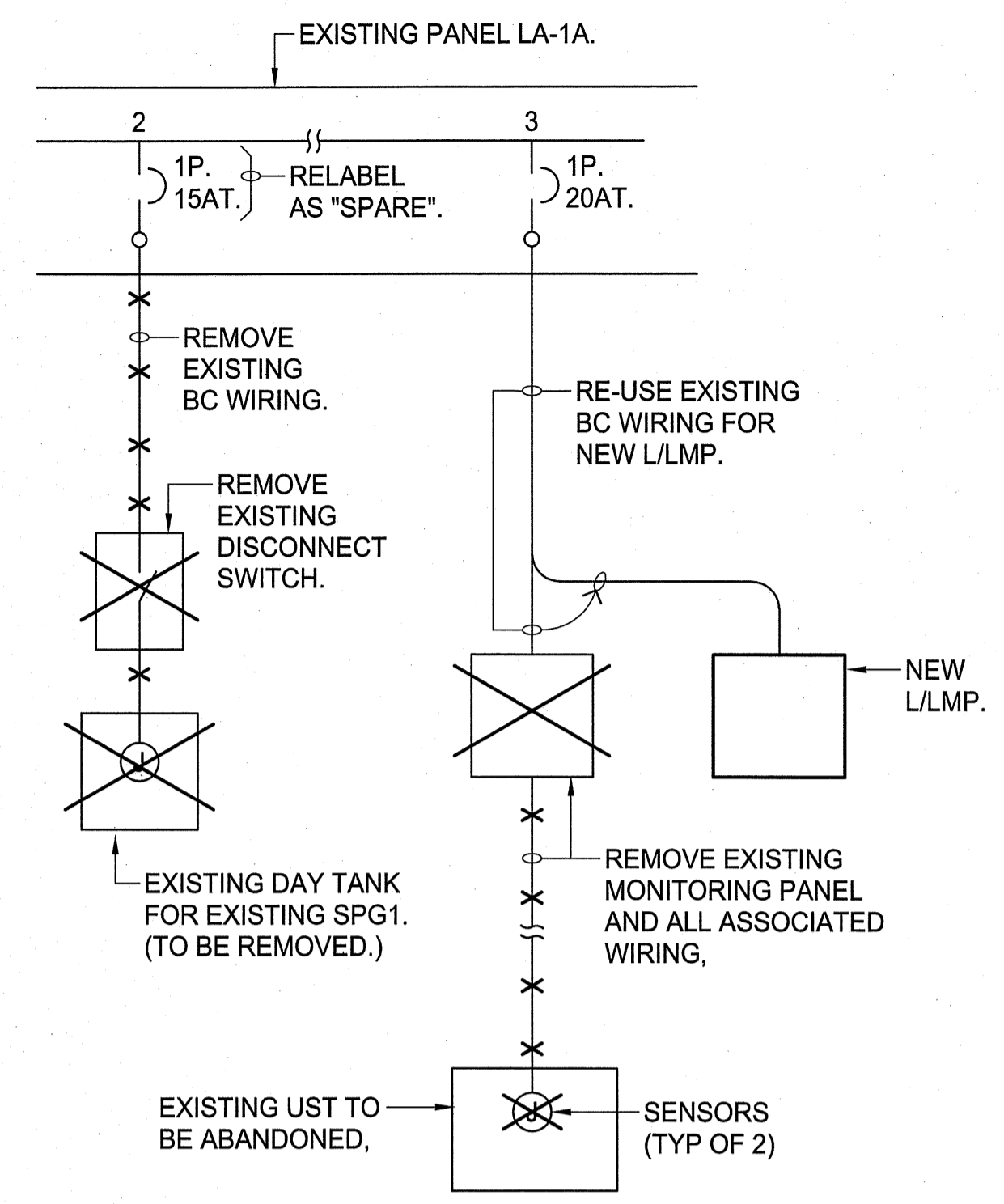
SHEET TITLE:

ONE-LINE DIAGRAMS

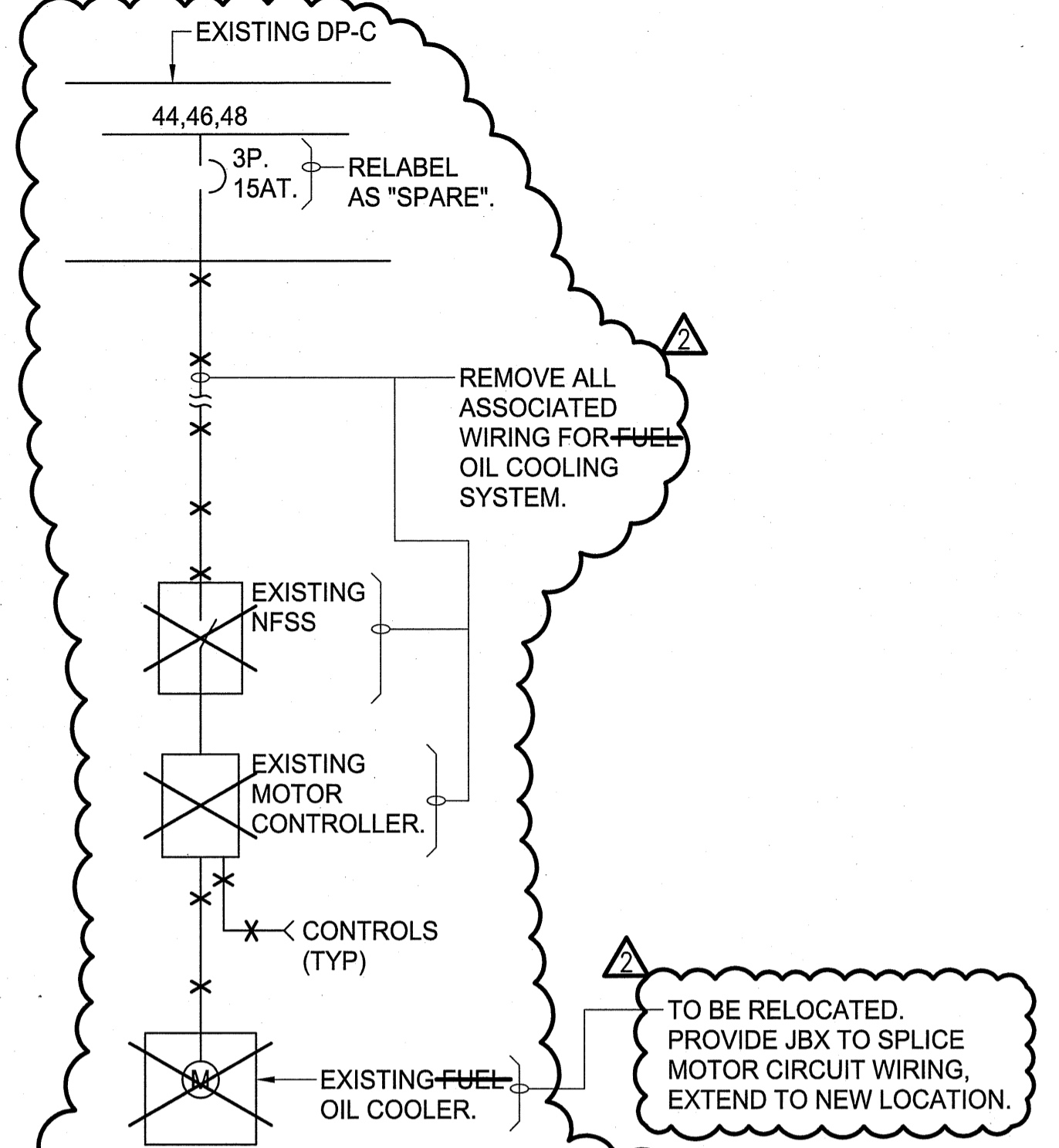
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|----------|----------|
| DATE : | DWG. NO. |
| JAN 2025 | E-005 |
| SHEET : | |
| ADD. 22 | |



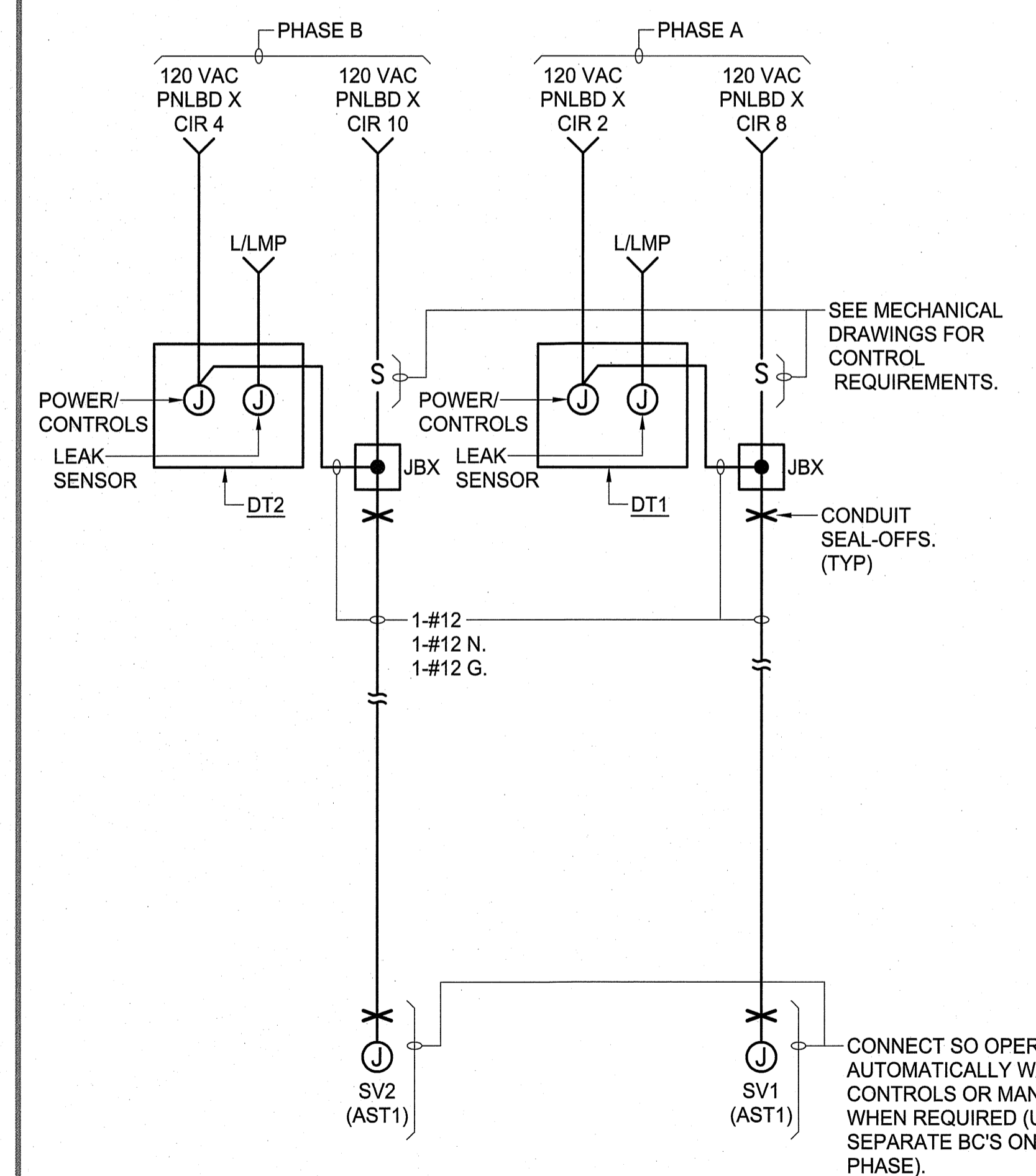
ONE-LINE DIAGRAM - DEMOLITION WORK RELATED TO EXISTING PANEL LA-1



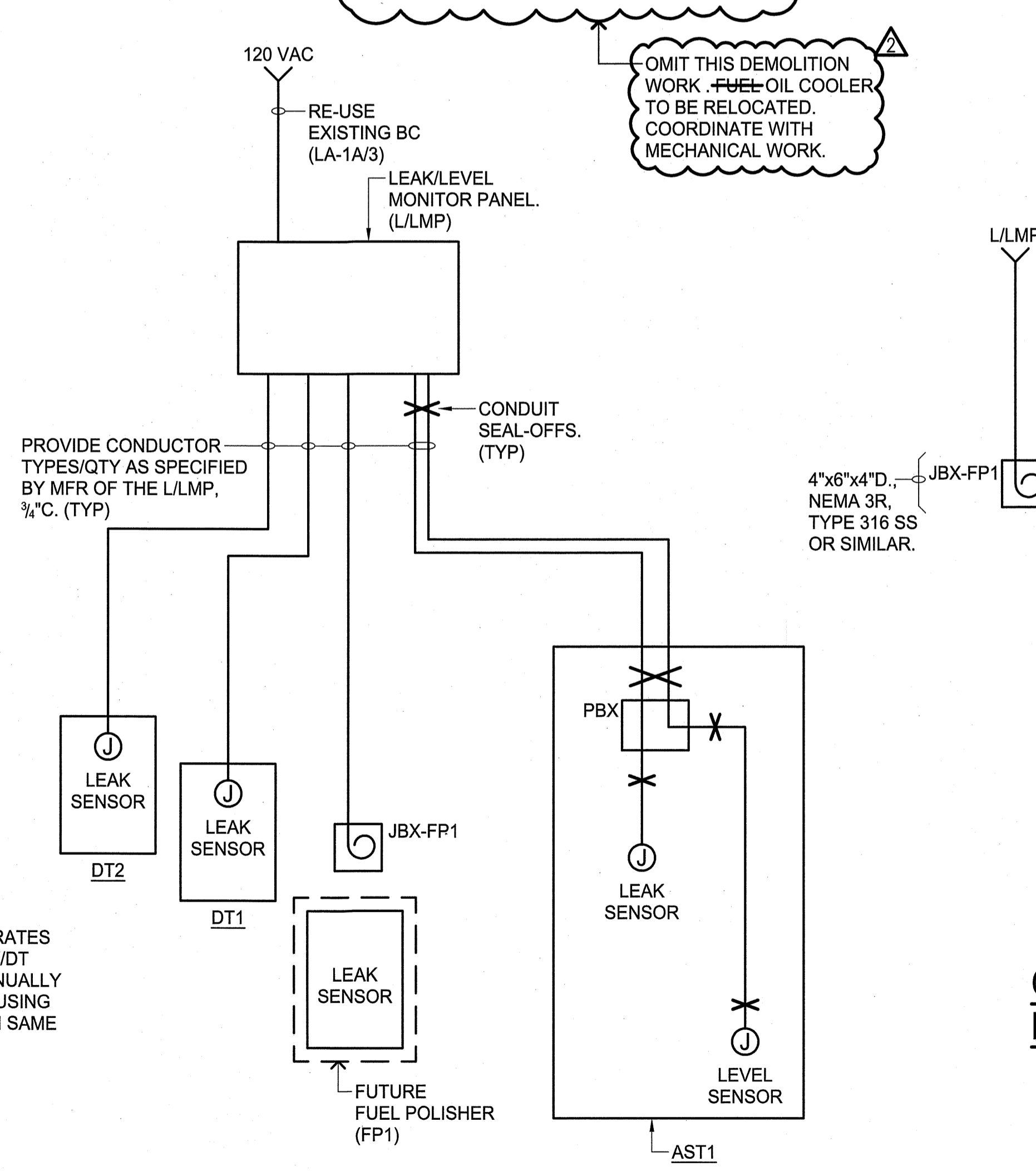
ONE-LINE DIAGRAM - DEMOLITION WORK RELATED TO EXISTING PANEL LA-1X



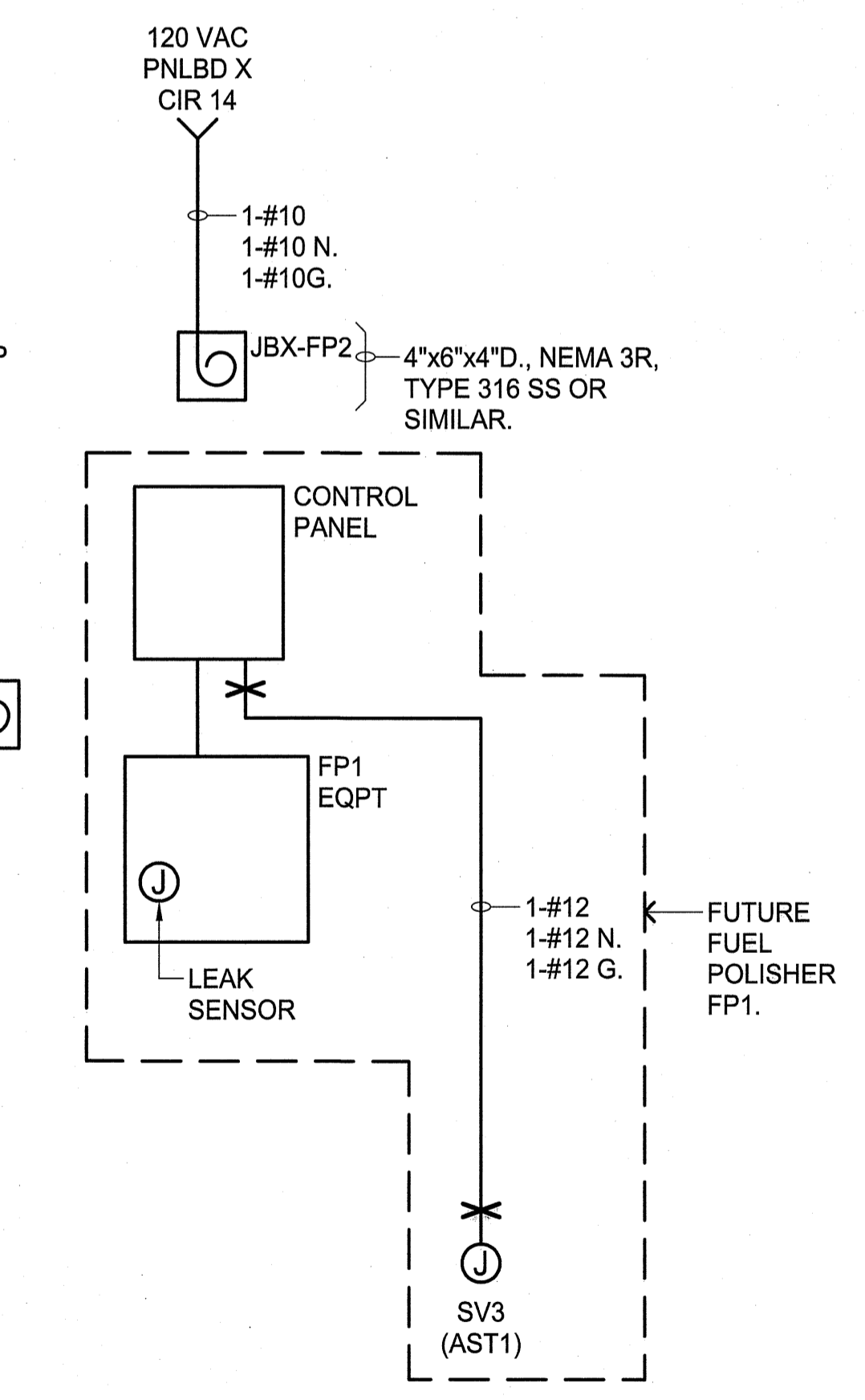
ONE-LINE DIAGRAM - DEMOLITION WORK RELATED TO EXISTING DP-C



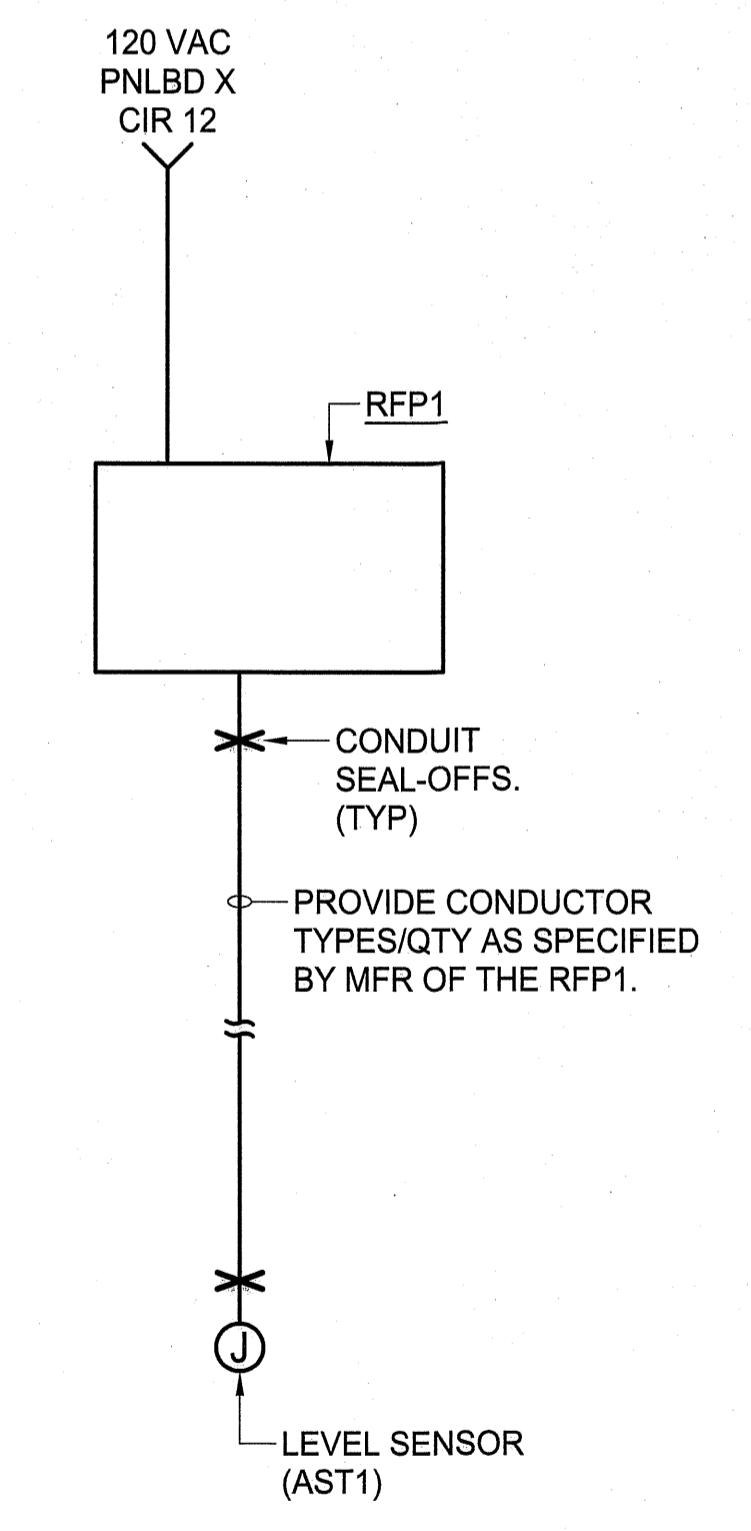
ONE-LINE DIAGRAM - NEW DT1/DT2 - NEW WORK
(NOTE: COORDINATE/CONFIRM ALL FINAL REQUIREMENTS W/MECHANICAL WORK.)



ONE-LINE DIAGRAM - NEW LEAK LEVEL MONITOR PANEL - NEW WORK
(NOTE: COORDINATE/CONFIRM ALL FINAL REQUIREMENTS W/MECHANICAL WORK.)

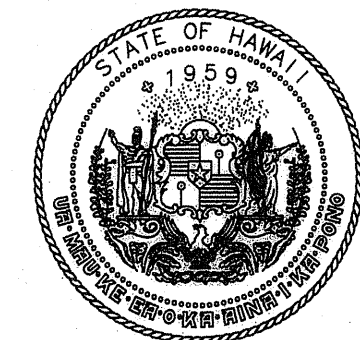


ONE-LINE DIAGRAM - NEW PROVISIONS FOR FUTURE FP1

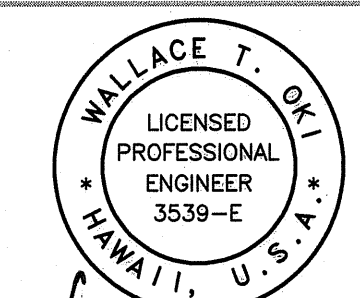


ONE-LINE DIAGRAM - NEW RFP1 - NEW WORK
(NOTE: COORDINATE/CONFIRM ALL FINAL REQUIREMENTS W/MECHANICAL WORK.)

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
AIRPORTS



WALLACE T. OKI
LICENSED PROFESSIONAL ENGINEER
3539-E
HAWAII, U.S.A.

04/30/2025
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CONSTRUCTION DOCUMENTS

JANUARY 10, 2025
DATE

PROJECT TITLE :

UST CLOSURE AND REPLACEMENT

AT
ELLISON ONIZUKA
KONA INTERNATIONAL AIRPORT AT KEAHOLE
KAILUA-KONA, HAWAII

PROJECT NO.:

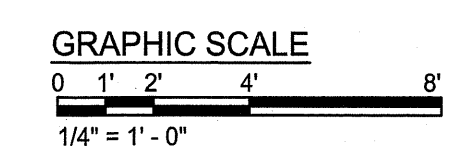
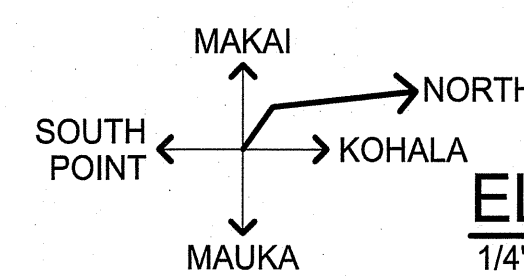
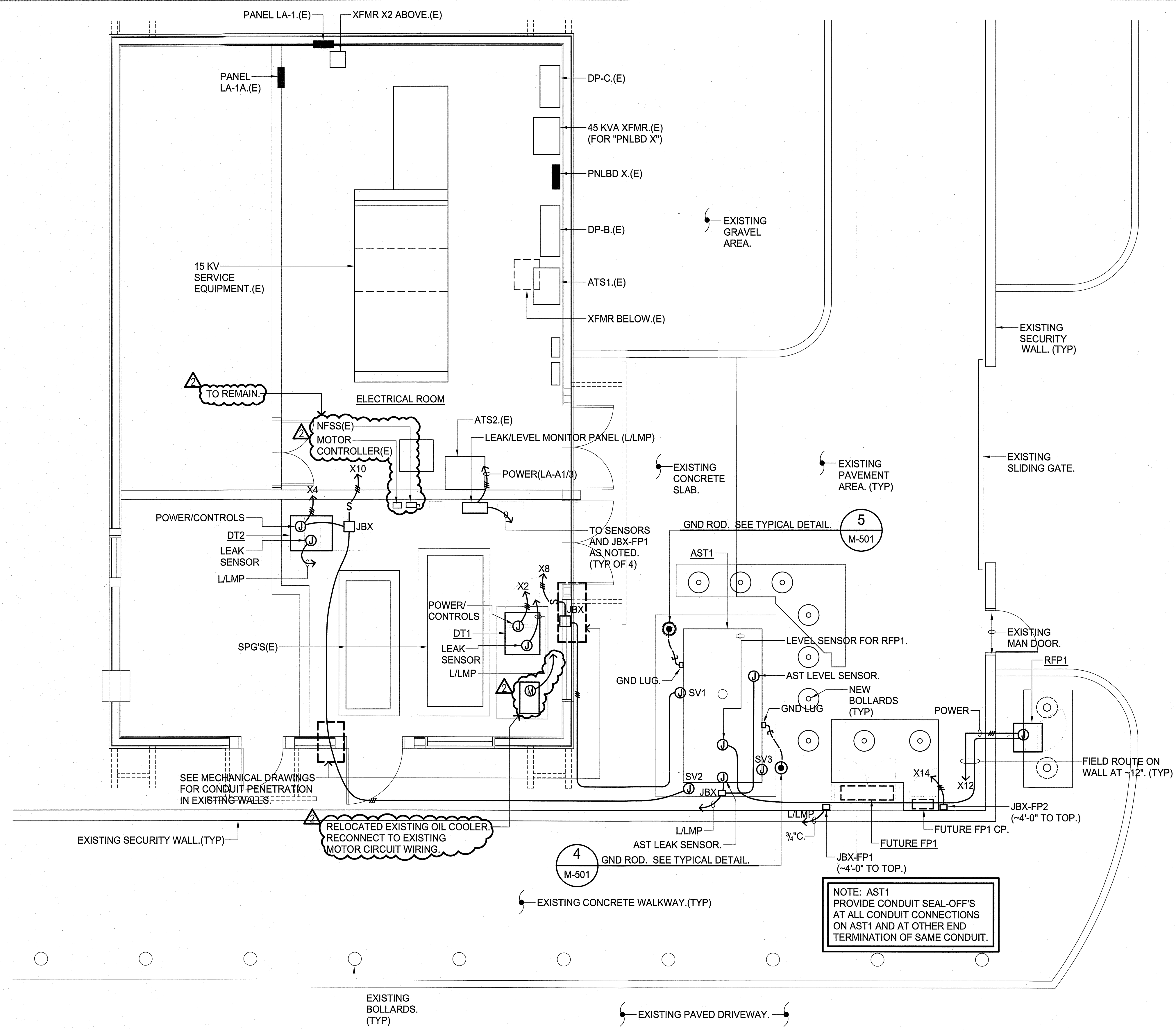
AH2072-22R

SHEET TITLE:

ELECTRICAL PLAN - NEW WORK

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| DATE: | DWG. NO. |
| JAN 2025 | E-006 |
| SHEET: | |
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ELECTRICAL PLAN - NEW WORK

- 1/4" = 1'-0"
- ALL WORK IS NEW.
 - ONLY ITEMS APPLICABLE TO NEW WORK ARE INDICATED.
 - (E) = EXISTING WORK/ITEM.
 - (N) = NEW WORK.
 - FIELD ROUTE/FIELD LOCATE ALL NEW CONDUITS FOLLOWING ROUTES/SUPPORTS OF FUEL PIPING.

NOTE: AST1 PROVIDE CONDUIT SEAL-OFF'S AT ALL CONDUIT CONNECTIONS ON AST1 AND AT OTHER END TERMINATION OF SAME CONDUIT.

| EXISTING PANEL LA-1 | | 208Y/120 VOLTS, 3 PHASE, 4 WIRE, 100 A. MLO, SURFACE MOUNTED (G.E. TYPE NLAB) | | | | | | | | | |
|---------------------|---------------|---|------|----------|-----------|-----------|------|----------|-----------|-----------------------|-----------|
| WIRE SIZE | SERVICE | CIR. BKR. | | CIR. NO. | P H A S E | CIR. BKR. | | CIR. NO. | P H A S E | SERVICE | WIRE SIZE |
| | | AMP | POLE | | | AMP | POLE | | | | |
| (?) | | 20 | 1 | 1 | A | 2 | 1 | 20 | | SECURITY | |
| | SECURITY GATE | 30 | 2 | 3 | B | 4 | 1 | 20 | | FACP | |
| | | | | 5 | C | 6 | 1 | 20 | | L-EXTERIOR | |
| (?) | | 20 | 1 | 7 | A | 8 | 1 | 20 | | (?) | |
| (?) | | 20 | 1 | 9 | B | 10 | 1 | 20 | | LIGHTS | |
| | RECEPT | 20 | 1 | 11 | C | 12 | 1 | 20 | | LIGHTS | |
| | RECEPT | 20 | 1 | 13 | A | 14 | 1 | 15 | | SPRINKLER MONITOR (?) | |
| (?) | | 20 | 1 | 15 | B | 16 | 2 | 20 | | PANEL LA-1A | |
| | EF | 15 | 1 | 17 | C | 18 | - | | | | |

CONFIRM THIS BC/OUTLET USED FOR EXISTING DAY TANK FOR EXISTING SPG2. OUTLET/BC TO REMAIN.

| EXISTING PANEL LA-1A | | 208Y/120 VOLTS, 3 PHASE, 4 WIRE, 100 A. MLO, SURFACE MOUNTED (WESTINGHOUSE PRL-1) | | | | | | | | | |
|----------------------|-----------------|---|------|----------|-----------|-----------|------|----------|-----------|-----------------|-----------|
| WIRE SIZE | SERVICE | CIR. BKR. | | CIR. NO. | P H A S E | CIR. BKR. | | CIR. NO. | P H A S E | SERVICE | WIRE SIZE |
| | | AMP | POLE | | | AMP | POLE | | | | |
| | RADIO | 20 | 1 | 1 | A | 2 | 1 | 15 | | DAY TANK | |
| | MONITOR CONTROL | 20 | 1 | 3 | B | 4 | 1 | 20 | | BATTERY CHARGER | |
| (?) | | 20 | 1 | 5 | C | 6 | 1 | 20 | | (?) | |
| (?) | | 20 | 1 | 7 | A | 8 | 1 | 20 | | (?) | |
| | PFFB | | | 9 | B | 10 | | | | PFFB | |
| | PFFB | | | 11 | C | 12 | | | | PFFB | |
| | PFFB | | | 13 | A | 14 | | | | PFFB | |
| | PFFB | | | 15 | B | 16 | | | | PFFB | |
| | PFFB | | | 17 | C | 18 | | | | PFFB | |

CONFIRM BC IS FOR EXISTING MONITORING PANEL FOR EXISTING UTS. RE-USE W/NEW L/LMP.

| EXISTING PANEL DP-C | | 208Y/120 VOLTS, 3 PHASE, 4 WIRE, 300 AT. MAIN BREAKER (EATON PRL4) | | | | | | | | | |
|---------------------|-------------------|--|------|----------|-----------|-----------|------|----------|-----------|----------------|-----------|
| WIRE SIZE | SERVICE | CIR. BKR. | | CIR. NO. | P H A S E | CIR. BKR. | | CIR. NO. | P H A S E | SERVICE | WIRE SIZE |
| | | AMP | POLE | | | AMP | POLE | | | | |
| | PSE1 SOUTH | 125 | 3 | 1 | A | 2 | 3 | 125 | | PSE1 NORTH | |
| | | | | 3 | B | 4 | - | | | | |
| | | | | 5 | C | 6 | - | | | | |
| | PANEL L1 | 100 | 3 | 7 | A | 8 | 3 | 110 | | VERIZON | |
| | | | | 9 | B | 10 | - | | | | |
| | | | | 11 | C | 12 | - | | | | |
| | REGULATOR | 20 | 2 | 13 | A | 14 | 2 | 20 | | RUNWAY SOUTH | |
| | | | | 15 | B | 16 | - | | | | |
| | SPARE | 90 | 3 | 17 | C | 18 | 3 | 20 | | TAXIWAY SOUTH | |
| | | | | 19 | A | 20 | - | | | | |
| | | | | 21 | B | 22 | - | | | | |
| | TAXIWAY NORTH | 20 | 2 | 23 | C | 24 | 2 | 20 | | TAXIWAY MIDDLE | |
| | | | | 25 | A | 26 | - | | | | |
| | SPARE | 50 | 2 | 27 | B | 28 | 2 | 40 | | SPARE | |
| | | | | 29 | C | 30 | - | | | | |
| | LA-1 (9 KVA XFMR) | 20 | 3 | 31 | A | 32 | 3 | 20 | | EF | |
| | | | | 33 | B | 34 | - | | | | |
| | | | | 35 | C | 36 | - | | | | |
| | (?) | 15 | 3 | 37 | A | 38 | 3 | 15 | | FUEL RETURN | |
| | | | | 39 | B | 40 | - | | | | |
| | | | | 41 | C | 42 | - | | | | |
| | (?) | 15 | 3 | 43 | A | 44 | 3 | 15 | | FAN | |
| | | | | 45 | B | 46 | - | | | | |
| | | | | 47 | C | 48 | - | | | | |
| | PFFB | | | 49 | A | 50 | 3 | 60 | | 45 KVA XFMR | |
| | PFFB | | | 51 | B | 52 | - | | | | |
| | PFFB | | | 53 | C | 54 | - | | | | |
| | PFFB | | | 55 | A | 56 | | | | PFFB | |
| | PFFB | | | 57 | B | 58 | | | | PFFB | |
| | PFFB | | | 59 | C | 60 | | | | PFFB | |
| | PFFB | | | 61 | A | 62 | | | | PFFB | |
| | PFFB | | | 63 | B | 64 | | | | PFFB | |
| | PFFB | | | 65 | C | 66 | | | | PFFB | |

CONFIRM BC IS FOR EXISTING FUEL-OIL COOLING SYSTEM. REMOVE BC WIRING. RELABEL BCB AS "SPARE".

FUEL-OIL COOLING SYSTEM TO BE RELOCATED.

NOT CURRENTLY LABELED. USE "PNLBD X" FOR THIS PROJECT.

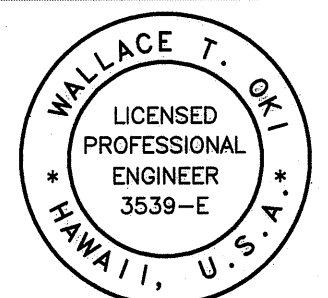
| EXISTING PNLBD X | | 208Y/120 VOLTS, 3 PHASE, 4 WIRE, 100 A. MLO, SURFACE MOUNTED (WESTINGHOUSE TYPE PRL-1a) | | | | | | | | | |
|------------------|------------------|---|------|----------|-----------|-----------|------|----------|-----------|-----------------|-----------|
| WIRE SIZE | SERVICE | CIR. BKR. | | CIR. NO. | P H A S E | CIR. BKR. | | CIR. NO. | P H A S E | SERVICE | WIRE SIZE |
| | | AMP | POLE | | | AMP | POLE | | | | |
| | EF/GFCI R | 20 | 1 | 1 | A | 2 | 1 | 20 | | PFFB DT1 | #12 |
| | WOMEN HAND DRYER | 20 | 1 | 3 | B | 4 | 1 | 20 | | PFFB DT2 | #12 |
| | WATER COOLER | 20 | 1 | 5 | C | 6 | | | | PFFB | |
| | WOMEN HAND DRYER | 20 | 1 | 7 | A | 8 | 1 | 20 | | PFFB SV1 | #12 |
| | MEN HAND DRYER | 20 | 1 | 9 | B | 10 | 1 | 20 | | PFFB SV2 | #12 |
| | MEN HAND DRYER | 20 | 1 | 11 | C | 12 | 1 | 20 | | PFFB RFP1 | #12 |
| | LIGHTS | 20 | 1 | 13 | A | 14 | 1 | 30 | | PFFB FUTURE FP1 | #10 |
| | SUMP PUMP | 20 | 1 | 15 | B | 16 | | | | PFFB | |
| | PFFB | | | 17 | C | 18 | | | | PFFB | |
| | PFFB | | | 19 | A | 20 | | | | PFFB | |
| | PFFB | | | 21 | B | 22 | | | | PFFB | |
| | PFFB | | | 23 | C | 24 | | | | PFFB | |
| | PFFB | | | 25 | A | 26 | | | | PFFB | |
| | PFFB | | | 27 | B | 28 | | | | PFFB | |
| | PFFB | | | 29 | C | 30 | | | | PFFB | |

EXISTING BC'S.

NEW BC'S. PROVIDE NEW BCB'S AT EXISTING PFFB'S.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
AIRPORTS



04/30/2026
Licensed Expiration Date
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| NO. | DATE | REVISIONS |
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| | 02/26/26 | ADDENDUM NO.2 |

CONSTRUCTION DOCUMENTS
JANUARY 10, 2025
DATE

PROJECT TITLE :

UST CLOSURE AND REPLACEMENT

AT
ELLISON ONIZUKA
KONA INTERNATIONAL AIRPORT AT KEAHOLE
KAILUA-KONA, HAWAII

PROJECT NO.:

AH2072-22R

SHEET TITLE:

PANEL SCHEDULES

| DATE : | DWG. NO. |
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| JAN 2025 | E-007 |
| SHEET : | |
| ADD. 24 | |

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**STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
AIRPORTS**

VIRTUAL PRE-BID MEETING MINUTES

DATE: January 21, 2026

TIME: 2:00 PM

PROJECT: UST CLOSURE AND REPLACEMENT AT
ELLISON ONIZUKA KONA INTERNATIONAL AIRPORT AT
KEAHOLE, KAILUA-KONA, HAWAII
STATE PROJECT NO. AH2072-22R

I. INSTRUCTION:

Attendees were advised to send their complete name, phone number, company name, and e-mail address thru the chat box to receive a copy of the meeting minutes.

II. INTRODUCTION:

Self Introduction

III. GENERAL DISCUSSION

1. This meeting is to clarify general questions only. If there is a conflict between what was stated in this meeting and the bid documents, the bid documents shall govern. Any significant changes will be issued through an addendum.
2. This is a state project utilizing State funds only. Prospective bidders are reminded to comply with all State requirements including using the correct labor wage rates and labor classifications.
3. Important dates to remember:
 - Bid Opening date is February 13, 2026, at 2:00 PM.
 - Site Visit will be conducted on January 22, 2026 at 10:00 a.m.
 - Request for information and substitution shall be submitted via HlePRO no later than 2:00 p.m., HST on January 27, 2026.

4. Project duration is 360 calendar days from NTP. Liquidated damages in the amount of \$450 per calendar day will be assessed if work is not completed within the contract time.
5. Contractor agrees to begin work within 10 working days from the NTP date and shall finish the entire project within the time prescribed.
6. All of the work is in a secured area. Due to heightened security requirements, there are new security procedures in place. The contractor shall ensure that all access gates are secured at all times. Under no circumstances shall tools, equipment or materials be left in areas where the public can gain access to these items. All security requirements of the airport must be complied with.
7. Access to the airport is subject to the approval of the Airport Manager.
8. Work can be performed at the construction site at any time over a 24-hour period without considerable disruption to airport operations or other adjacent tenants. The ARFF Facility, parking lot and airport roadways shall remain operational at all times. Any damages to existing areas caused by the Contractor shall be repaired by the Contractor at no cost to the State.
9. Upon execution of the contract, the Contractor, at their cost, shall obtain all permits required for this project.
10. Requests for AOA badges, AOA stickers, ramp licenses, etc. shall be submitted within 14 calendar days after award of contract. In addition to the requirements stated in the Contract Bid Documents, all Contractors shall comply with the requirements and procedures of the Contractor's Training Guide.
11. Pending the availability of space on airport property, the State will issue Revocable Permit(s) to the Contractor for the use of the space. The space(s) may be used for a field office, staging of materials and equipment, vehicle parking or other uses subject to the approval of the State. All spaces shall be subject to the requirements of Section 01561 – CONSTRUCTION SITE RUNOFF CONTROL PROGRAM.

Since space on airport property is extremely limited, the State does not guarantee that the space provided to the Contractor will be in close proximity to the project site. The State will make every effort to provide the Contractor with space on airport property, however, should the State determine that no space is available for such use(s), the responsibility shall then be on the Contractor to find space outside of airport property.

12. Monthly billings are required if any work is performed during the month.

13. Francis Cheng, P.E., on behalf of Environmental Science International (ESI), the Design Consultant will provide a brief description of the scope of work of the project.

IV. QUESTIONS

No significant questions were raised during the meeting.

Meeting Adjourned at 2:21 p.m.

ATTENDANCE SHEET
Virtual Pre-Bid Conference

Project Name: UST Closure and Replacement, KOA
 Project No. AH2072-22R
 Date: January 21, 2026 2:00pm

| | | |
|--|---|---|
| Name: Maritez A. Marquez Title: State Project Manager | Company: DOT-A Address: | Phone: (808) 838-8808 Fax: E-Mail: maritez.a.marquez@hawaii.gov |
| Name: Jake Shiraki Title: State Project Manager | Company: DOT-A Address: | Phone: (808) 838-8805 Fax: E-Mail: jake.l.shiraki@hawaii.gov |
| Name: Francis Aguinaldo Title: KOA District Engineer | Company: DOT-A (KOA) Address: | Phone: 808 746-0101 Fax: E-Mail: francisryan.g.aguinaldo@hawaii.gov |
| Name: Stefan Borduz Title: | Company: AIR-EE (KOA) Address: | Phone: 808 327-4653 Fax: E-Mail: stefan.borduz@hawaii.gov |
| Name: Tod Deery Title: | Company: ESI Address: | Phone: (808) 404-8482 Fax: E-Mail: tdeery@esciencei.com |
| Name: Francis Title: | Company: Address: | Phone: (808) 807-0237 Fax: E-Mail: fcheng@okahara.com |
| Name: Glenn Kobayashi Title: | Company: Isemoto Contracting Co. Ltd. Address: | Phone: (808) 329-8051 Fax: E-Mail: glennk@isemotocontracting.com |
| Name: Title: | Company: Address: | Phone: Fax: E-Mail: |
| Name: Title: | Company: Address: | Phone: Fax: E-Mail: |
| Name: Title: | Company: Address: | Phone: Fax: E-Mail: |

UST CLOSURE AND REPLACEMENT

ELLISON ONIZUKA KONA

INTERNATIONAL AIRPORT AT KEAHOLE

KAILUA-KONA, HAWAII

STATE PROJECT NO. AH2072-22R

RESPONSES TO REQUEST FOR INFORMATION (RFI'S/QUESTIONS)

The following Requests for Information (RFI) were received.

1. **QUESTION:** Re 15193, 2.05. Are stairs or a ladder required?

RESPONSE: No, stairs or a ladder are not required.

2. **QUESTION:** Approximately how much fuel will remain in the UST that the contractor will need to remove?

RESPONSE: UST level varies over time. Account for UST 1,000-gal to be no more than 90% full at time of removal.

3. **QUESTION:** Will any Department of Health and County of Hawaii Permits be required? If so, has the State applied for these permits?

RESPONSE: Contractor shall obtain all permits and licenses required to perform the work (reference SECTION 15011, paragraph 3.08.A) including, but not limited to, tank permit. See the attached HFD permit application.

4. **QUESTION:** Can you confirm UST is 1,000-gallons?

RESPONSE: Confirmed nominal 1,000-gallon capacity based on DOT-A records.

5. **QUESTION:** Does underground 1,000-gallon tank have a man way to enter tank to clean tank?.

RESPONSE: Yes.

6. **QUESTION:** Can dimensions of tank sump be given to determine that there will be enough room to cut top of tank to enter tank to clean the UST properly?

RESPONSE: Requested dimensions are not available and UST tank as-built drawings were not discovered. However, potential bidders were offered the opportunity to inspect the site and UST.

7. **QUESTION:** Can pictures be provided of tank sump?

RESPONSE: Please see attached photo.

8. **QUESTION:** Will the existing diesel fuel from the UST and day tanks to be disposed of or can it be transferred to temporary fuel system and then to the new fuel system?

RESPONSE: Existing fuel shall not be placed into new fuel system.

9. **QUESTION:** 02650 Part 3.01 D abandon in place. Is DOH aware of this UST closure in place?

RESPONSE: DOH is not aware of this UST closure in place. The HFD Closure and Abandon In-place Tank Permit Application was submitted (attached).

DOTA Project #: AH2062 constructed a new cement plaster clad 7 ¾" thick metal stud wall and foundation system over the UST, rendering removal of the UST extremely impractical without demolishing a portion of the new wall.

10. **QUESTION:** Will design team provide backup for UST closure in place or will contractor need their own A/E to provide documents that say UST must stay in place?

RESPONSE: The Contractor shall reference Section 02650 1.05 A.1. See also the response to Question 9.

11. **QUESTION:** In the tank sump, equipment piping and wiring are supposed to be removed or capped off and grade level man way cover are to be demolished and disposed of. Will the tank sump need to be demolished or can the tank sump be filled with CLSM to subgrade?

RESPONSE: Remove tank sump (reference Drawing No. M-101, DEMOLITION CALLOUTS #5).

12. **QUESTION:** Section 02650 3.01 I Dispose of excavated material. If soil samples come back clean can we reuse material as backfill material?

RESPONSE: The Contractor shall reference Section 01562-8 3.a.

13. **QUESTION:** Section 15193-12 2.10 Day Tank Pump Set All other fuel equipment is NEMA4X type 316 stainless steel. What type of steel do you want day tank to be constructed of? What about controller?

RESPONSE: Listed design basis Simplex STS tanks are constructed of hot rolled steel. Furnish and install design basis tank or submit substitution request for an alternate tank after contract execution. Bid shall not be based on assumption that an unspecified product will be accepted.

14. **QUESTION:** Can you confirm existing day tank's sizes at 60 gallon's and 180-gallons and that those are the amounts needed for temporary fueling?

RESPONSE: Smaller day tank on south side of generator room is 75 gallons and larger day tank on north side of generator room (near room entrance) is 150 gallons. Temporary fuel system shall provide, at minimum, enough fuel for 24-hour runtime for both generators.

15. **QUESTION:** Can you provide a location where the temporary fuel system can be set?

RESPONSE: Consider installing temporary fuel system within walled area near northwest corner.

16. **QUESTION:** M-201 Future Fuel Polisher Can you confirm that the fuel polisher will not be part of the scope of work?

RESPONSE: Confirmed. Provide provisions for future fuel polisher as indicated on the Contract Documents.

17. **QUESTION:** Please provide the procedure for underground piping abandonment. Flushing, grouting, etc.?

RESPONSE: The Contractor shall reference Section 02650 3.01 E.

18. **QUESTION:** Section 15193 2.06 notes monitoring system for underground storage tank. Should this be aboveground storage tank or is there another underground storage tank requiring monitoring?

RESPONSE: Aboveground. See Addendum No. 2 revisions.

19. **QUESTION:** Will the tank monitoring system require any external or remote alarms?

RESPONSE: No. Provide alarms as required in SECTION 15193, paragraph 2.06.C.

20. **QUESTION:** Will the State be providing the fuel required for flushing, testing and initial fill of the new tank and day tanks?

RESPONSE: Contractor is responsible for providing fuel (reference SECTION 15193, paragraph 3.01.D).

21. **QUESTION:** Is there a planned location for the temporary fuel tank? What assumption can be made for the maximum distance the temporary fuel tank will be from the generator bldg.? The noted contractor lay down area would not be sufficient for contractor materials, stockpile and a temporary tank.

RESPONSE: See response to Question 16. Contractor is responsible for confirming appropriate distances, pipe routing, and related fuel pressure drop restrictions for temporary fuel system; see Drawing No. G-002, GENERAL DEMOLITION/CONSTRUCTION PHASING NOTES.

22. **QUESTION:** How long can one generator be offline while the other is online?

RESPONSE: Generators are not redundant and operability of one has no bearing on allowable outage of the other.

23. **QUESTION:** Please confirm that all costs over and above the proposal allowance for contaminated soil handling and disposal will be a modification to the contract. Allowance may not be sufficient if soil requires off island disposal.

RESPONSE: The Contractor shall reference DOTA General Provisions for Construction Projects Article IV - Scope of Work.

24. **QUESTION:** Please confirm any required ACM and/or lead abatement needed to facilitate this SOW and not shown in the provided survey will be a modification to the contract.

RESPONSE: The Contractor shall reference Section 01715 1.03 and 1.04 in addition to DOTA General Provisions for Construction Projects Article IV - Scope of Work.

25. **QUESTION:** Construction is inherently noisy so please clarify what activities must be done between 10 pm and 630 am. If the contractor must perform work during these hours due to the restrictions in the spec, is the contractor still responsible for overtime and night payment for state inspection services even though the contractor doesn't "elect" to work during these hours.

RESPONSE: Section 01010 1.06 A is revised to replace "Noise, including demolition work, shall occur from 10:00 p.m. to 6:30 a.m. Contractor shall coordinate other work activities with the Airport Operations for the hours between 6:30 a.m. to 1:30 p.m." with the following "Work shall occur from 6:30 a.m. to 5:00 p.m. Noise shall be limited to 85 dBA (8-hr weighted average) measured at the site boundary. Work involving noise above the limit shall be coordinated with the Engineer."

26. **QUESTION:** Please confirm estimated volume and required handling procedures of fuel in the UST.

RESPONSE: See response to Question No. 2 for UST volume. Day tank volumes vary over time; account for day tanks (75-gal and 150-gal capacities) to be no more than 95% full. The recommended fuel handling procedures are outlined by adding the following to Section 02650 1.03 F "3. API Recommended Practice 1604".

27. **QUESTION:** Please confirm whether a formal DOH-approved UST Closure Work Plan and/or Sampling and Analysis Plan (SAP) is required prior to closure activities, or if compliance with the specifications and DOH TGM is sufficient.

RESPONSE: The Contractor shall reference Section 02650 1.05 A. 3.

28. **QUESTION:** Based on available site information, is groundwater anticipated during excavation or UST closure activities? If so, is dewatering expected and should NPDES dewatering permit coverage be obtained preemptively?

RESPONSE: No available groundwater data. Please note that groundwater table elevation may be tidal-influenced due to the site's proximity to the ocean.

29. **QUESTION:** Spec Section 026504 Air quality monitoring requirements - please confirm/define requirements for air monitoring.

RESPONSE: The Contractor shall reference Section 02650 1.05 A. 4. G.

30. **QUESTION:** Spec Section 02650 Confirm estimated "quantity of contaminated media, soil disposal for analysis generated during excavation and closure

RESPONSE: The Contractor shall reference Section 01562 State of Hawaii Department of Transportation - Airports Division Contaminated Soil and Groundwater Review Form.

31. **QUESTION:** Request a copy of the site-specific C-EHMP

RESPONSE: The Contractor shall reference Section 01562 1.02 D.



Okahara and Associates, Inc.

ENGINEERS AND LANDSCAPE ARCHITECTS

LETTER OF TRANSMITTAL

DATE: 7/3/2024
 LETTER NO: 69565
 JOB NO.: 223-071
 JOB NAME: UST Closure and Replacement, Project No. AH2072-22
 SUBJECT: Tank Permit Application - Discontinued Use/Abandon in-place

TO: Hawaii Fire Department, Fire Prevention Branch
 25 Aupuni Street, Suite 2501, Hilo, Hawaii 96720
 ATTN: John Reuelman
 FROM: Ronald Layaoen
 OFFICE: Hilo
 SENDING: For Approval
 VIA: Hand Deliver

| ORIGINAL | COPIES | DATE | DESCRIPTION |
|----------|--------|-----------|--|
| 1 | | 7/3/2024 | Tank Permit Application - Closure and Abandon in-place 1,000 Gallon UST |
| | 1 | 75/3/2024 | UST Demolition Plans (2 sheets) |
| 1 | | 7/3/2024 | Application Fee, Check No. 023154 |

Remarks:

The existing UST is being removed from service and replaced with a 1,000 gallon Aboveground fuel storage tank. Tank permit application for the new 1,000 gallon AST was previously submitted on 2024-05-03.

Signed 
 Ronald Layaoen
 for

If enclosures are not as noted, kindly notify us at once.

200 Kohola Street • Hilo, HI 96720-4323 • (808) 961-5527 • fax (808) 961-5529 • email: hilo@okahara.com
 201 Merchant Street, Suite 1650 • Honolulu, HI 96813-2972 • (808) 524-1224 • fax (808) 961-5529 • email: oahu@okahara.com

Ranked as one of Hawaii's Best Places to Work in 2024 by HawaiiBusiness magazine



HAWAII FIRE DEPARTMENT

FIRE PREVENTION BRANCH

HILO: 25 Aupuni St. Suite 2501, Hilo, HI 96720 (808) 932-2911

KONA: 74-5044 Ane Keohokalole Hwy, Bldg E. Kailua-Kona, HI 96740 (808) 323-4760

Date: _____

Payment Amount: \$200.00

Received By: _____

Permit Number: _____

For Fire Department Use Only

TANK PERMIT APPLICATION

Installation Removal/ Discontinued Use

Completed application shall be submitted with payment to the Hilo or Kona fire prevention office. Payment may be cash or check. Checks shall be made out to 'County Director of Finance'.

(To be completed by applicant)

Permit Type: LPG (>125 gal)

Flammable or Combustible Liquid Storage Tank (>60 gal)

Aboveground Storage Tank (AST)

Underground Storage Tank (UST)

Tank Capacity: 1,000 Gallons Tank Construction: Double-wall, Fiberglass

Fuel Type: Diesel Serial Number: TBD Front Back Sides

Distance from nearest building: 7 ft. Distance from property line: >50 ft. / > 50 ft. / > 50 ft.

Tank Owner: State of Hawaii, Department of Transportation - Airports

Tank Location/ Address: Ellison Onizuka Kona International Airport as Keahole TMK: (3) 7-4-043:003

City/State: Kailua-Kona, Hawaii Zip Code: 96740

Installer/Contractor: TBD License #: TBD

Applicant: Ronald Layaoen (Okahara and Associates, Inc.) Phone: 808-961-5527

Fax: 808-961-5529 Email Address: rlayaoen@okahara.com

Mailing Address for Permit: 200 Kohola Street, Hilo, Hawaii 96720

***A Site Map shall be attached and submitted with this application.** Site map shall depict all structures and tanks, and its distances to buildings, other tanks, and property lines if applicable. Site map shall also show the location of the vehicular protection, and location of all fire extinguishers.

(To be completed by HFD)

INSPECTION

Detailed Site Map Submitted Yes No Vehicle protection satisfactory Yes No N/A

Distance between tanks satisfactory (Table 69.3.5.1.1 (2018 NFPA 1)) Yes No N/A

Distance between property line satisfactory (Table 69.3.5.1.1 (2018 NFPA 1)) Yes No

Distance between building openings/exposures satisfactory (Table 69.3.5.4.3) Yes No N/A

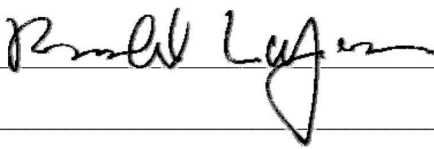
Fire Protection Systems (check all that apply): Sprinkler Foam Fire Alarm Other _____ N/A

All Fire Systems Satisfactory Yes No N/A

Portable Fire Extinguisher Satisfactory Yes No N/A

Date Portable Fire Extinguishers Inspected: _____ Inspected by: _____

Comments: Demolition/abandonment contractor information currently not available, project is currently being advertised. The requested information shall be provided once the demolition/abandonment contractor has been selected.

APPLICANT SIGNATURE:  DATE: 7/3/2024

INSPECTOR SIGNATURE: _____ DATE: _____

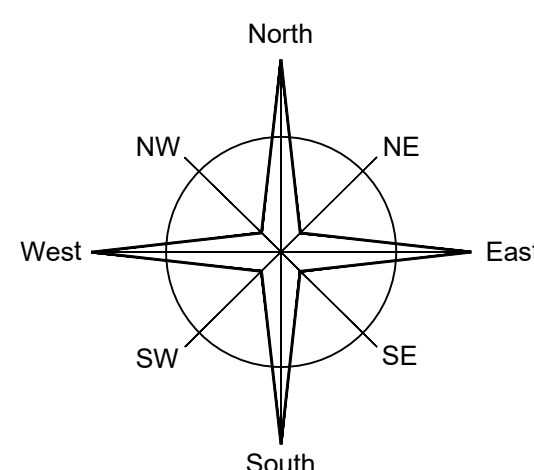
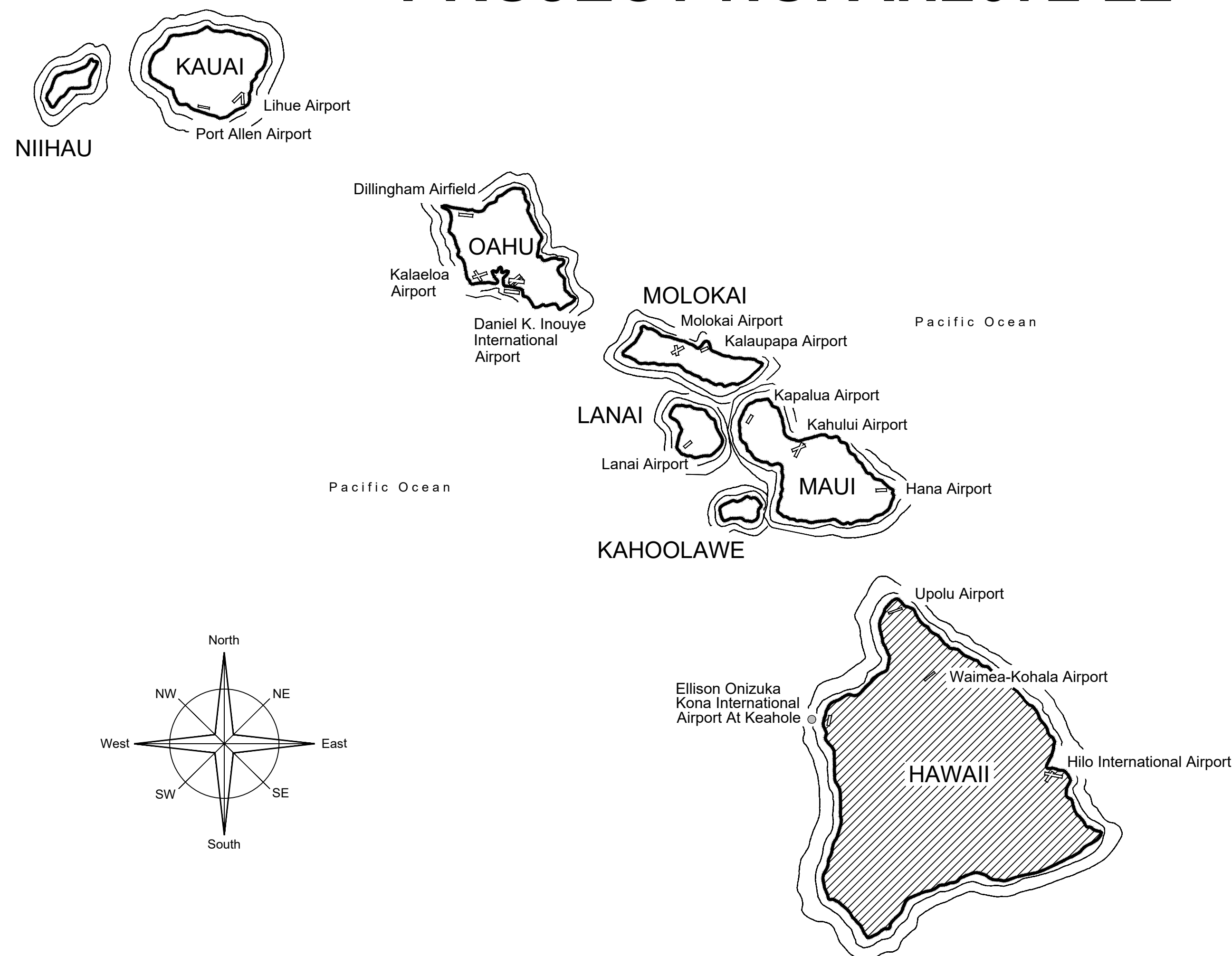
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
AIRPORTS

PLANS FOR

UST CLOSURE AND REPLACEMENT

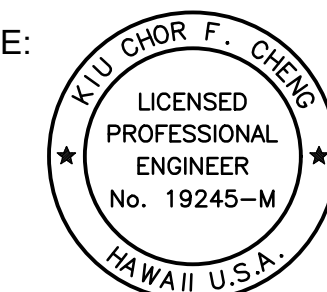
AT

ELLISON ONIZUKA KONA INTERNATIONAL AIRPORT AT KEAHOLE KAILUA-KONA, HAWAII PROJECT NO. AH2072-22



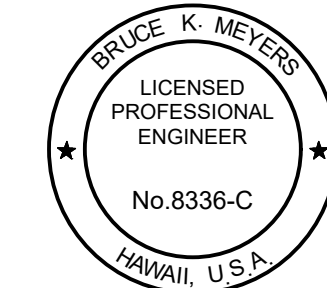
PROJECT TEAM

MECHANICAL/PRIME:
OKAHARA AND ASSOCIATES, INC.
201 MERCHANT ST.
SUITE 1650
HONOLULU HI 96813
(808) 524-1224



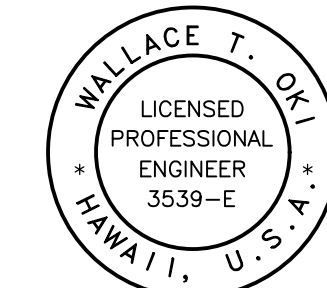
Kiu Chor F. Cheng
KIU CHOR F. CHENG
MECHANICAL ENGINEER

CIVIL:
OKAHARA AND ASSOCIATES, INC.
200 KOHOLA STREET
HILO HI 96720
(808) 961-5527

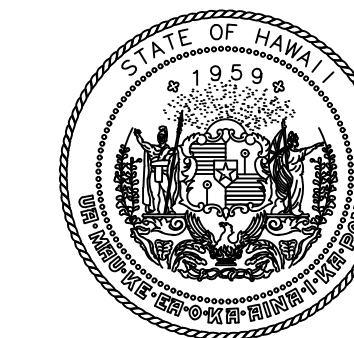


Bruce K. Meyers
BRUCE K. MEYERS
CIVIL ENGINEER

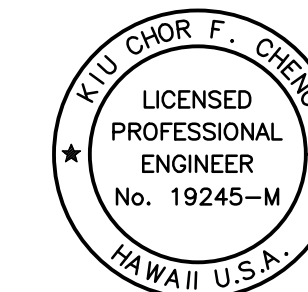
ELECTRICAL:
WALLACE T. OKI, P.E., INC.
688 KINOOLE STREET
SUITE 115B
HILO HI 96720
(808) 961-9666



Wallace T. Oki
WALLACE T. OKI
ELECTRICAL ENGINEER



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
AIRPORTS



Kiu Chor F. Cheng
KIU CHOR F. CHENG
MECHANICAL ENGINEER

This work was prepared by me or under my supervision.

| DSGN. | DRWN. | CHKD. | APPD. |
|-------|-------|-------|-------|
| RL | RL | KFC | KFC |

| NO. | DATE | REVISIONS |
|-----|------|-----------|
| | | |

CONSTRUCTION DOCUMENTS
MARCH 14, 2024
DATE

PROJECT TITLE :

UST CLOSURE AND REPLACEMENT

AT
ELLISON ONIZUKA
KONA INTERNATIONAL AIRPORT AT KEAHOLE
KAILUA-KONA, HAWAII

PROJECT NO.:

AH2072-22

SHEET TITLE:

TITLE SHEET

| | |
|---|------|
| DEPARTMENT OF TRANSPORTATION STATE OF HAWAII | |
| APPROVED: | DATE |
| DIRECTOR OF TRANSPORTATION | DATE |

| | |
|----------------|----------|
| DATE : | DWG. NO. |
| MAR 2024 | G-001 |
| SHEET : | |
| 1 OF 20 SHEETS | |

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| INDEX OF DRAWINGS | | |
|-------------------|----------|--|
| SHT. NO. | DWG. NO. | DESCRIPTION |
| 1 | G-001 | TITLE SHEET |
| 2 | G-002 | INDEX OF DRAWINGS, NOTES |
| 3 | C-101 | CIVIL NOTES |
| 4 | C-201 | DEMOLITION AND SEDIMENT CONTROL SITE PLAN |
| 5 | C-301 | NEW SITE PLAN, CIVIL DETAILS |
| 6 | C-401 | CIVIL DETAILS |
| 7 | M-001 | MECHANICAL LEGEND, EQUIPMENT SCHEDULES |
| 8 | M-101 | DETAIL MECHANICAL DEMOLITION PLAN |
| 9 | M-201 | DETAIL MECHANICAL PLAN |
| 10 | M-301 | FUEL SYSTEM PIPING DIAGRAM |
| 11 | M-302 | MECHANICAL FUEL SYSTEM SCHEMATIC PIPING DIAGRAM |
| 12 | M-303 | FUEL SYSTEM SEQUENCE OF OPERATION |
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| 14 | E-001 | VICINITY PLAN/NOTES |
| 15 | E-002 | ELECTRICAL PLAN - SITE, LOCATION/GENERAL WORK SCOPE |
| 16 | E-003 | ONE-LINE DIAGRAM - EXISTING SERVICE, DISTRIBUTION NEW WORK |
| 17 | E-004 | ELECTRICAL PLAN - EXISTING/DEMOLITION WORK |
| 18 | E-005 | ONE-LINE DIAGRAMS |
| 19 | E-006 | ELECTRICAL PLAN - NEW WORK |
| 20 | E-007 | PANEL SCHEDULES |

GENERAL NOTES

- THE ENTIRE INSTALLATION SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE STATE OF HAWAII'S CODES, THE COUNTY OF HAWAII'S CODES, AND ALL AGENCIES HAVING JURISDICTION.

| | |
|--------------------------------|--------------------------------|
| STATE OF HAWAII'S CODES | COUNTY OF HAWAII'S CODES |
| BUILDING CODE (IBC 2018) | BUILDING CODE (IBC 2018) |
| PLUMBING CODE (UPC 2018) | PLUMBING CODE (2018) |
| ENERGY CODE (IECC 2018) | ENERGY CODE (IECC 2018) |
| FIRE CODE (NFPA 1 2018) | FIRE CODE (NFPA 1 2018) |
| ELECTRICAL CODE (NFPA 70 2017) | ELECTRICAL CODE (NFPA 70 2017) |
- PENETRATIONS OF FIRE-RESISTANCE-RATED WALLS, PARTITIONS, FLOORS, FLOOR/CEILING ASSEMBLIES, ROOF/CEILING ASSEMBLIES, OR SHAFT ENCLOSURES SHALL BE FIRE-STOPPED/SEALED TO MAINTAIN FIRE-RATING REQUIREMENTS IN ACCORDANCE WITH SECTION 714 - PENETRATIONS OF 2018 IBC.
- DRAWINGS INDICATE THE GENERAL ARRANGEMENT AND SHALL BE FOLLOWED AS CLOSELY AS ACTUAL FIELD CONDITIONS PERMIT. REASONABLE MODIFICATIONS TO SUIT JOB CONDITIONS SHALL NOT CONSTITUTE A BASIS FOR ADDITIONAL COMPENSATION.
- PROMPTLY NOTIFY AND COORDINATE WITH THE ENGINEER OF DISCREPANCIES OR MAJOR DEVIATIONS FROM THE PLANS DUE TO UNFORESEEN OR VARYING FIELD CONDITIONS WHICH PREVENT THE TERMS OF THE CONTRACT FROM BEING FULFILLED. COORDINATE THE WORK AMONG THE VARIOUS TRADES AS NECESSARY TO AVOID CONFLICTS AND TO ENSURE THE INSTALLATION OF WORK WITHIN THE AVAILABLE SPACE.
- OBTAIN AND PAY FOR ALL APPLICABLE PERMITS, FEES, CERTIFICATES, AND INSPECTIONS.
- FURNISH AND INSTALL ALL MATERIALS AND EQUIPMENT, INCLUDING CUTTING AND PATCHING AS REQUIRED, FOR A COMPLETE AND OPERATING SYSTEM. ALL MATERIALS SHALL BE NEW, FREE FROM DEFECTS AND CONFORM TO CODE.
- PATCH ALL SURFACES EXPOSED FROM CUTTING AND/OR REMOVAL WORK. PATCHING SHALL MATCH THE FINISH AND QUALITY OF ADJACENT SURFACES TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE STATE.
- "REPLACE" MEANS REMOVE EXISTING WORK AND PROVIDE NEW WORK AS DETAILED OR NOTED IN THE CONTRACT DOCUMENTS.
- ALL WORK INDICATED SHALL BE NEW WORK, UNLESS OTHERWISE INDICATED AS "EXISTING".
- ALL ITEMS AND MATERIALS TO BE REMOVED SHALL BE DONE IN SUCH A MANNER AS TO PREVENT DAMAGE TO ITEMS AND MATERIALS TO REMAIN. ALL SUCH DAMAGES SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE STATE.
- ALL WASTE MATERIALS SHALL BE PROMPTLY REMOVED AND DISPOSED OF OUTSIDE THE LIMITS OF THE STATE'S PROPERTY.
- PROVIDE TEMPORARY ACCESSIBLE ROUTES AROUND CONSTRUCTION IN ACCORDANCE WITH ADAAG 402.
- ALL OVERHEAD WORK SHALL BE A MINIMUM OF 80-INCHES ABOVE FINISHED FLOOR IN ACCORDANCE WITH ADAAG 307.4.
- PAINT ALL EXPOSED MECHANICAL WORK TO MATCH EXISTING.
- TESTING, HANDLING, REMOVAL AND DISPOSAL OF HAZARDOUS MATERIALS INCLUDING ACM, LCP AND LBP SHALL BE IN ACCORDANCE WITH FEDERAL AND LOCAL LAWS AND REGULATIONS.

FIRE SAFETY DURING ALTERATION NOTES

- 16.4.3.1.1 A WATER SUPPLY FOR FIRE PROTECTION, EITHER TEMPORARY OR PERMANENT, SHALL BE MADE AVAILABLE AS SOON AS COMBUSTIBLE MATERIAL ACCUMULATES.
- 16.4.4.1 WHERE THE BUILDING IS PROTECTED BY FIRE PROTECTION SYSTEMS, SUCH SYSTEMS SHALL BE MAINTAINED OPERATIONAL AT ALL TIMES DURING ALTERATION.
- 16.4.4.2 WHERE ALTERATION REQUIRES MODIFICATION OF A PORTION OF THE FIRE PROTECTION SYSTEM, THE REMAINDER OF THE SYSTEM SHALL BE KEPT IN SERVICE AND THE FIRE DEPARTMENT SHALL BE NOTIFIED.
- 16.4.4.3 WHEN IT IS NECESSARY TO SHUT DOWN THE SYSTEM, THE AHJ SHALL HAVE THE AUTHORITY TO REQUIRE ALTERNATE MEASURES OF PROTECTION UNTIL THE SYSTEM IS RETURNED TO SERVICE.
- 16.4.4.4 THE FIRE DEPARTMENT SHALL BE NOTIFIED WHEN THE SYSTEM IS SHUT DOWN AND WHEN THE SYSTEM IS RETURNED TO SERVICE.
- 10.7.1.1 AS NECESSARY DURING EMERGENCIES, MAINTENANCE, DRILLS, PRESCRIBED TESTING, ALTERATIONS, OR RENOVATIONS, PORTABLE OR FIXED FIRE-EXTINGUISHING SYSTEMS OR DEVICES OR ANY FIRE-WARNING SYSTEM SHALL BE PERMITTED TO BE MADE INOPERATIVE OR INACCESSIBLE.
- 13.1.9 WHENEVER IMPAIRMENTS, CRITICAL DEFICIENCIES, OR NON-CRITICAL DEFICIENCIES ARE IDENTIFIED IN WATER-BASED FIRE PROTECTION SYSTEMS MAINTAINED IN ACCORDANCE WITH NFPA 25, THEY SHALL BE CORRECTED IN A TIME FRAME APPROVED BY THE AHJ.
- 13.1.10 THE AHJ SHALL BE NOTIFIED WHEN ANY FIRE PROTECTION SYSTEM IS OUT OF SERVICE AND ON RESTORATION OF SERVICE.

DEMOLITION / CONSTRUCTION PHASING NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS IN ORDER TO COMPLETE THE PROJECT. CONTRACTOR SHALL SUBMIT DEMOLITION/ CONSTRUCTION PHASING PLAN FOR APPROVAL REGARDLESS OF WHETHER HE CHOOSES TO FOLLOW THE PHASING PLAN DESCRIBED BELOW, OR TO DEVELOP HIS OWN. PHASING PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO PLANNED UTILITY OUTAGES, DISRUPTION OF FUEL SERVICE AND TEMPORARY DISRUPTION OF NORMAL FACILITY OPERATIONS. PHASING PLAN SHALL BE APPROVED A MINIMUM OF THIRTY (30) DAYS PRIOR TO COMMENCEMENT OF ON-SITE WORK.
- SEE DRAWINGS AND SPECIFICATIONS FOR COMPLETE SCOPE OF WORK.
- DO NOT DISRUPT NORMAL FACILITY FUNCTIONS. OBTAIN SCHEDULES AND AN EVENT CALENDAR PRIOR TO DEVELOPING PHASING PLAN. COORDINATE, SCHEDULE AND PERFORM WORK IN SUCH A MANNER AS TO MINIMIZE INCONVENIENCES, HAZARDS, AND DISTURBANCES UPON THE FACILITY'S OPERATORS TO ENSURE THEIR SAFETY AND TO ACCOMMODATE THE FACILITY'S DAILY OPERATIONS AND ACTIVITIES. NO ADDITIONAL COMPENSATION OR TIME WILL BE MADE FOR FAILURE TO ACKNOWLEDGE AND ACCOUNT FOR THE PROJECT REQUIREMENTS IN THE BID.
- COORDINATE SCHEDULE FOR ALL WORK (REMOVAL, INSTALLATION, AND TESTING) WITH THE STATE AND THE ENGINEER.
- VERIFY LOCATION OF EXISTING UTILITIES IN THE PROJECT AREA PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY UTILITIES IN THE EVENT OF DAMAGE CAUSED BY HIS WORK.
- FURNISH AND INSTALL TEMPORARY STAND-IN FOR BACKUP POWER (E.G. TEMPORARY FUEL SYSTEM OR TEMPORARY GENERATOR) FOR THE ENTIRE DURATION OF THE EXISTING FUEL SYSTEMS BEING REPLACED. TEMPORARY STAND-IN BACKUP POWER CAPACITY SHALL BE EQUIVALENT TO OR GREATER THAN EXISTING. BACKUP POWER DISRUPTION CAUSED BY SWITCHOVER BETWEEN PERMANENT AND TEMPORARY BACKUP POWER SHALL BE MINIMIZED. SWITCHOVER SHALL BE EXECUTED BASED ON AN APPROVED BACKUP POWER SWITCHOVER PLAN, WHICH SHALL INCLUDE PROCEDURES TO KEEP WELL WATER LEVEL BELOW EXISTING HIGH WATER ALARM ELEVATION OF (-)9.25 IN CASE OF A POWER OUTAGE. SUBMIT BACKUP POWER SWITCHOVER PLAN WITHIN THIRTY (30) DAYS OF CONSTRUCTION NOTICE TO PROCEED. BACKUP POWER SWITCHOVER PLAN SHALL BE APPROVED PRIOR TO COMMENCING SWITCHOVER.
- CONTRACTOR SHALL SCHEDULE PLANNED INTERRUPTION(S) OF UTILITY SERVICE A MINIMUM OF THIRTY (30) DAYS IN ADVANCE OF THE INTERRUPTION(S) DATE(S).
- CONTACT ENGINEER IMMEDIATELY SHOULD AN UNPLANNED UTILITY OUTAGE OCCUR.
- NOT ALL EXISTING UTILITIES, INCLUDING PLUMBING, ELECTRICAL CONDUITS, CABLES, ETC. ARE SHOWN. PROTECT EXISTING UTILITIES IN-PLACE.

STORAGE / DELIVERY / PROTECTION NOTES

- COORDINATE ON-SITE PARKING WITH THE ENGINEER. ON-SITE STORAGE AND STAGING AREAS WILL BE LIMITED IF MADE AVAILABLE. ALL COSTS SHALL BE CONSIDERED INCIDENTAL TO BID.
- PROTECT ALL EXISTING ITEMS DURING CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS DAMAGED DURING CONSTRUCTION TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE STATE. CONTRACTOR SHALL BE RESPONSIBLE FOR MOVING ALL ITEMS IN THE WORK AREAS AS NEEDED TO PERFORM HIS WORK. ALL MOVING COSTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. IT IS RECOMMENDED THAT THE CONTRACTOR PERFORM A PHOTOGRAPH INVENTORY OF EXISTING ITEMS PRIOR TO PROCEEDING WITH WORK IN THE GENERATOR AND ELECTRICAL BUILDING.

PIPE NOTE

- PIPE SUPPORT SPACING FOR ALL NEW AND EXISTING PIPING WITHIN THE PROJECT LIMITS SHALL NOT EXCEED SUPPORT SPACING SPECIFIED IN THE TECHNICAL SPECIFICATIONS DURING ALL PHASES OF CONSTRUCTION.

HAZARDOUS MATERIALS NOTE

- HANDLING, REMOVAL AND DISPOSAL OF HAZARDOUS MATERIALS INCLUDING LEAD CONTAINING PAINT SHALL BE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS, FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

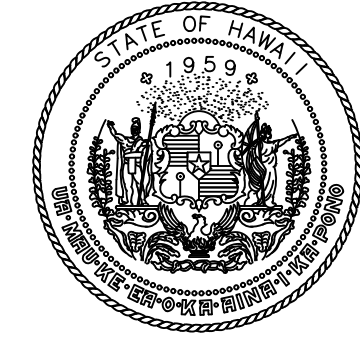
RESTORATION NOTE

- RESTORE TO THEIR ORIGINAL CONDITION ALL IMPROVEMENTS DAMAGED AS A RESULT OF THE CONSTRUCTION, INCLUDING PAVEMENT, EMBANKMENTS, CURBS, SIDEWALKS, SIGNS, LANDSCAPING, STRUCTURES, UTILITIES, WALLS, FENCES, ETC. DEMOLITION AND RESTORATION OF EXISTING ITEMS SHALL BE CONSIDERED INCIDENTAL AND INCLUDED IN THE BID.

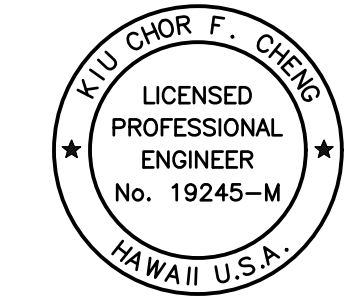
FIRE SAFETY NOTE

- STRUCTURES UNDERGOING CONSTRUCTION, ALTERATION, OR DEMOLITION OPERATIONS, INCLUDING THOSE IN UNDERGROUND LOCATIONS, SHALL COMPLY WITH NFPA 241, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS, AND THIS CHAPTER, 2018 NFPA 1.

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
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CONSTRUCTION DOCUMENTS

DATE

PROJECT TITLE :

UST CLOSURE AND REPLACEMENT

AT
ELLISON ONIZUKA
KONA INTERNATIONAL AIRPORT AT KEAHOLE
KAILUA-KONA, HAWAII

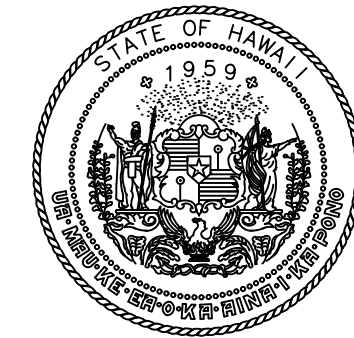
PROJECT NO.:

AH2072-22

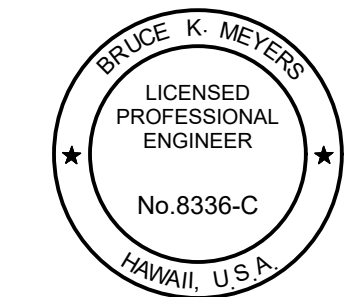
SHEET TITLE:

INDEX OF DRAWINGS, NOTES

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|----------------|----------|
| DATE : | DWG. NO. |
| MAR 2024 | G-002 |
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| 2 OF 20 SHEETS | |



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ELLISON ONIZUKA
KONA INTERNATIONAL AIRPORT AT KEAHOLE
KAILUA-KONA, HAWAII

PROJECT NO.:

AH2072-22

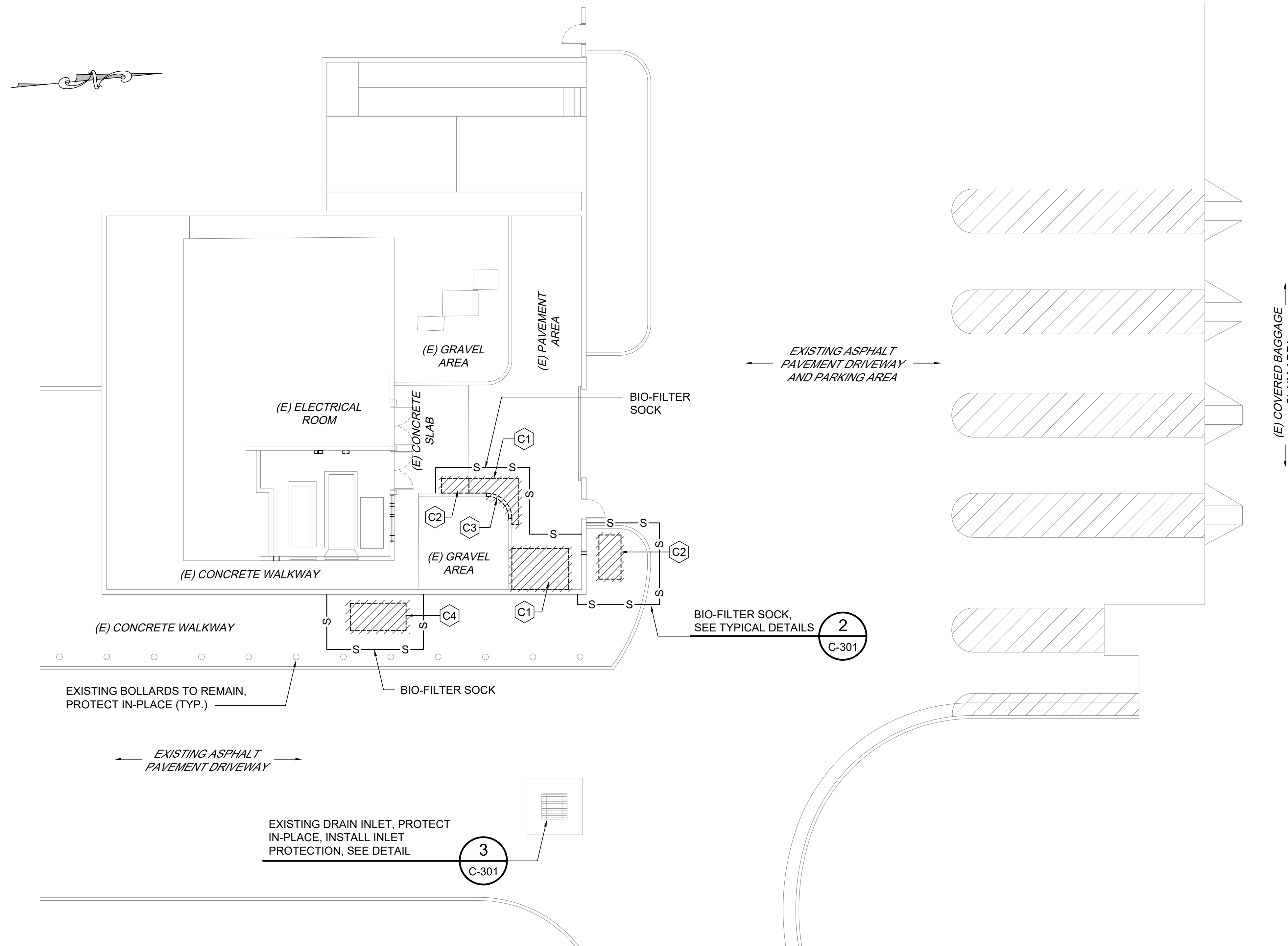
SHEET TITLE:

DEMOLITION AND SEDIMENT CONTROL SITE PLAN

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| DATE : | DWG. NO. |
| MAR 2024 | C-201 |
| SHEET : | |
| 4 OF 20 SHEETS | |

DEMOLITION CALLOUTS:

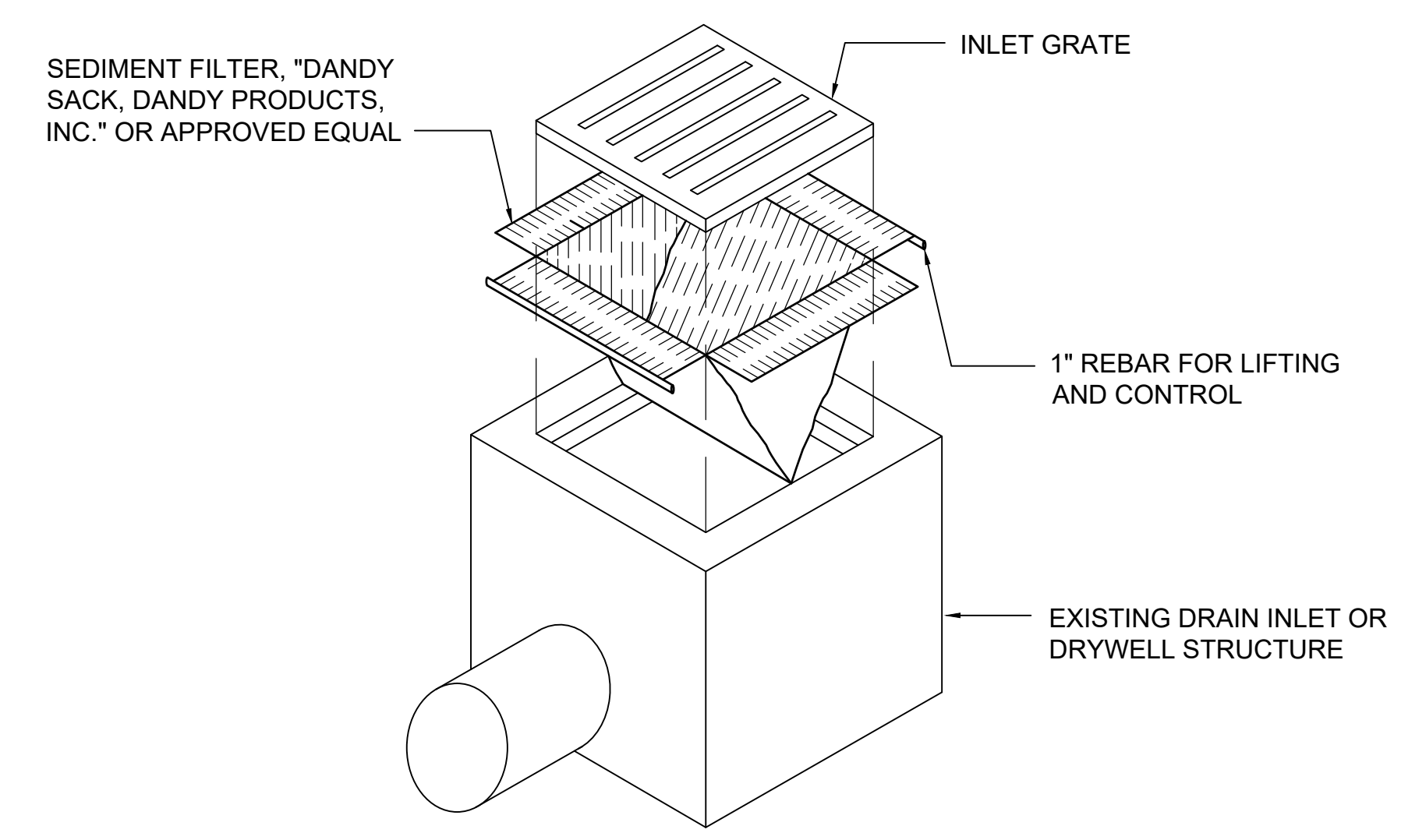
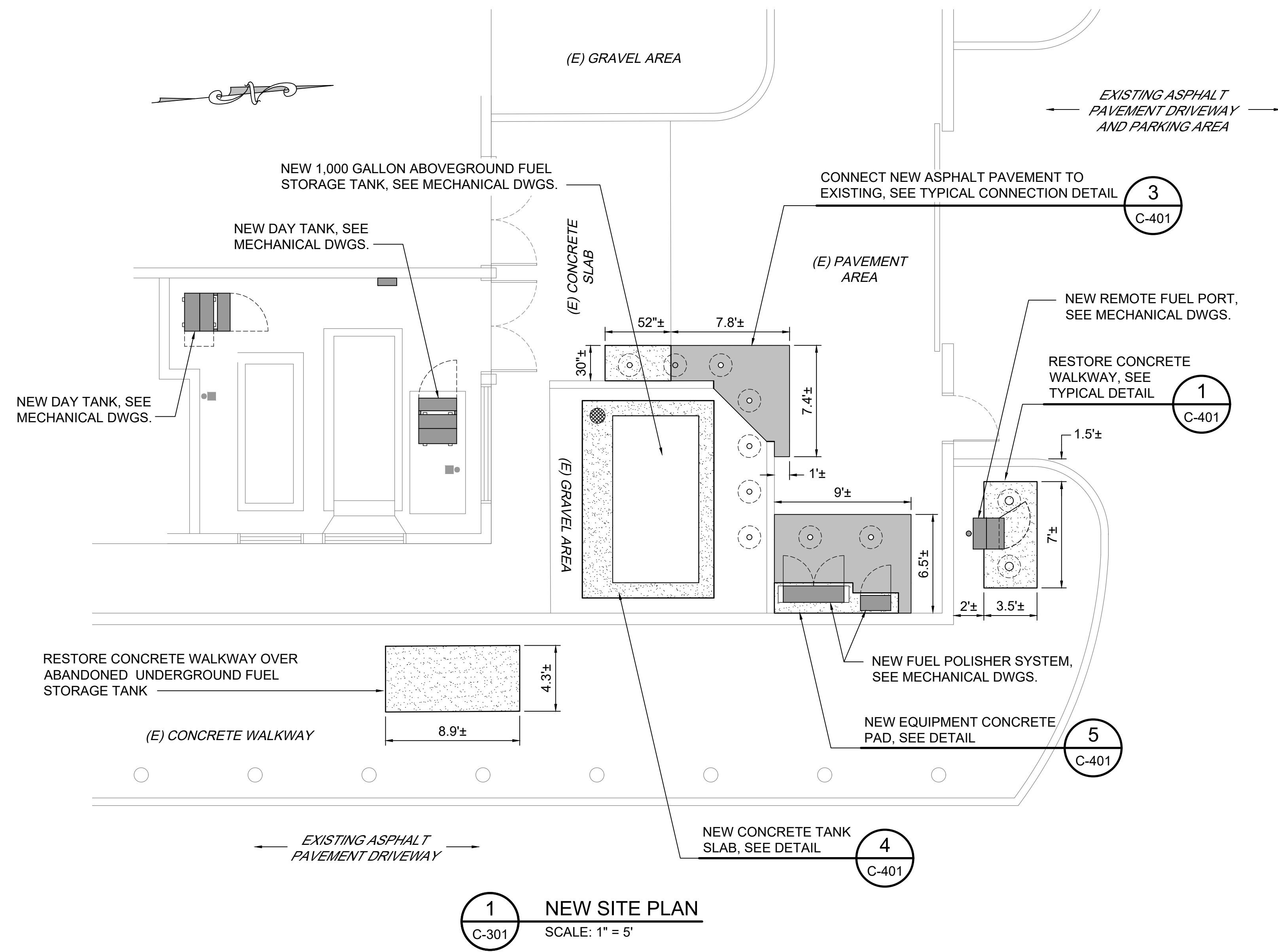
- C1 SAW CUT AND REMOVE PORTION OF EXISTING ASPHALT PAVEMENT TO ACCOMMODATE NEW WORK.
- C2 SAW CUT AND REMOVE PORTION OF EXISTING CONCRETE WALKWAY TO ACCOMMODATE INSTALLATION OF NEW PIPE BOLLARDS.
- C3 SAW CUT AND REMOVE PORTION OF EXISTING CONCRETE CURB TO ACCOMMODATE INSTALLATION OF NEW PIPE BOLLARDS.
- C4 SAW CUT AND REMOVE PORTION OF EXISTING CONCRETE WALKWAY TO ACCOMMODATE REMOVAL OF EXISTING SURFACE ACCESS DOORS AND FRAME OVER THE EXISTING UST.



1 DEMOLITION AND SEDIMENT CONTROL SITE PLAN
C-201 SCALE: 1" = 10'

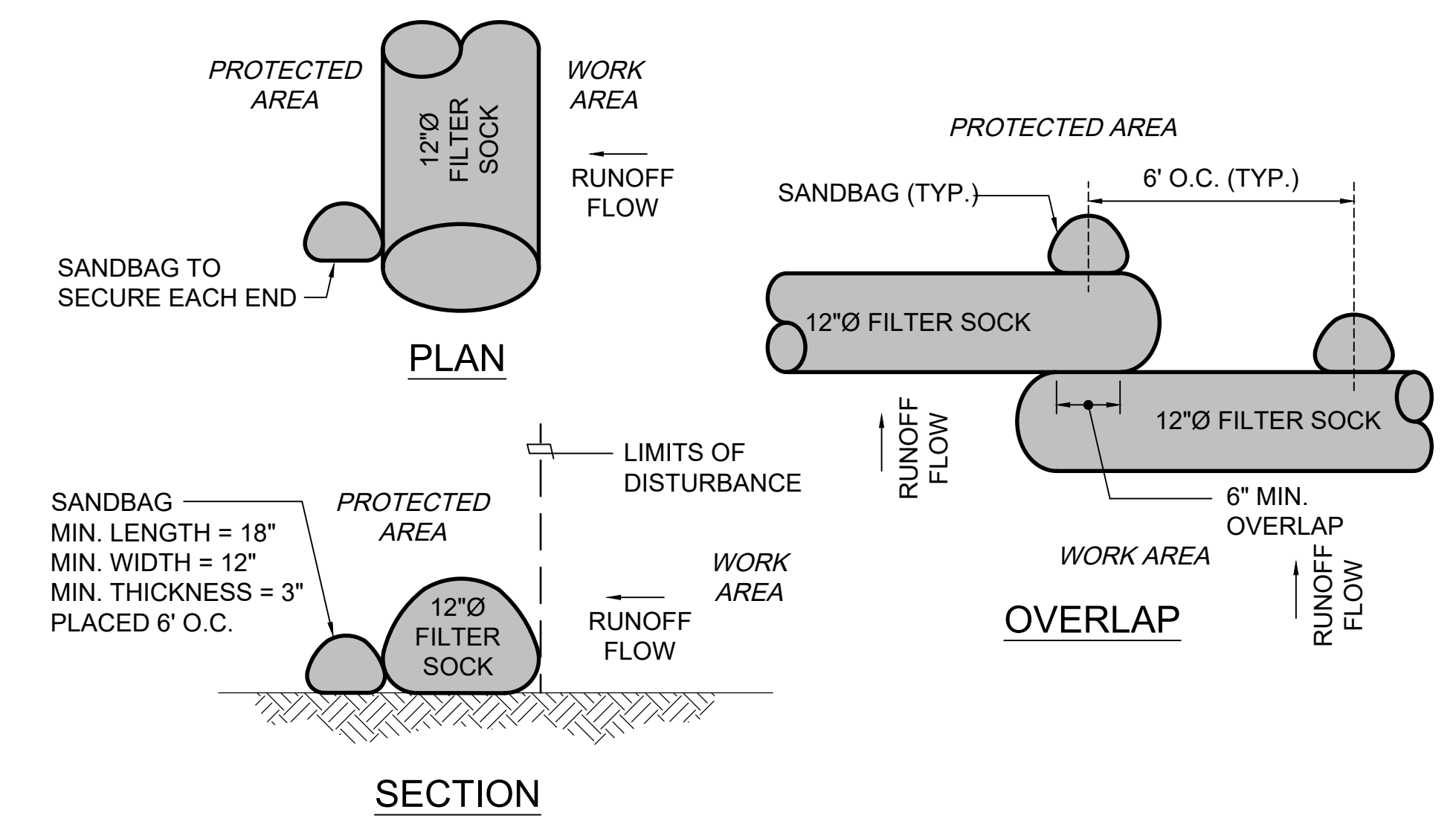


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- NOTES:**
- CONTRACTOR SHALL INSTALL SEDIMENT FILTER DEVICES AT DRAIN INLETS INDICATED TO PREVENT SOIL OR DEBRIS IN ANY FORM FROM ENTERING THE DRAINAGE SYSTEM. COST FOR THE INSTALLATION OF FILTERS SHALL BE INCIDENTAL TO EXCAVATION WORK.
 - ALL CONTROL MEASURES SHALL BE CHECKED AND REPAIRED AS NECESSARY.
 - DRAIN INLET PROTECTION DEVICE SHALL ONLY BE REMOVED WHEN DIRECTED BY THE AIRPORT MANAGER OR WHEN THERE IS AN IMMEDIATE DANGER TO PUBLIC AND TRAFFIC SAFETY. THE DEVICE SHALL BE IMMEDIATELY RESTORED AFTER THE RAIN EVENT HAS PASSED OR CEASED.
 - AT THE END OF THE PROJECT, EXISTING DRAIN INLETS, CATCH BASINS, AND INLET STRUCTURES ADJACENT TO THE PROJECT SITE SHALL BE INSPECTED. ANY ACCUMULATION OF SEDIMENT AND DEBRIS FOUND SHALL BE REMOVED. FLUSHING INTO CATCH BASINS IS PROHIBITED.
 - BOTTOM OF SEDIMENT FILTER SHALL NOT CONTACT THE BOTTOM OF THE DRAIN STRUCTURE.

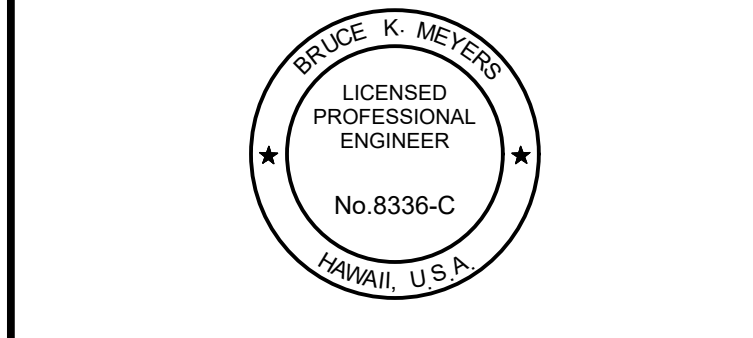
3 DRAIN INLET PROTECTION DETAIL
NOT TO SCALE



2 BIO-FILTER SOCK DETAILS
NOT TO SCALE



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CONSTRUCTION DOCUMENTS

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UST CLOSURE AND REPLACEMENT
AT
ELLISON ONIZUKA
KONA INTERNATIONAL AIRPORT AT KEAHOLE
KAILUA-KONA, HAWAII

PROJECT NO.:

AH2072-22

SHEET TITLE:

NEW SITE PLAN, CIVIL DETAILS

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| DATE : | DWG. NO. |
| MAR 2024 | C-301 |
| SHEET : | 5 OF 20 SHEETS |

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