

DOCUMENT 00 00 12

ADDENDUM NO. 2

May 21, 2026

**Fuel Farm Improvements
City of Duluth No. 26-4405
SP No. A6901A-63
Duluth International Airport
Duluth, Minnesota**

SEH No. DULAI 188848

From: Short Elliott Hendrickson Inc.
3535 Vadnais Center Drive
St. Paul, MN 55110-3507
651.490.2000

To: Document Holders

DOCUMENT HOLDERS on the above-named project are hereby notified that this document shall be appended to, take precedence over and become part of the original bidding documents dated May 1, 2026, for this work. Bids submitted for the construction of this work shall conform to this document.

This addendum consists of 1 page and attached Document No. 00 52 00 Standard Form of Agreement, Drawings E5.00, E5.01, E5.02, and E6.00.

A pre-bid meeting was held May 14, 2026. A recording of that meeting can be downloaded at the following link:

[Duluth International Airport Fuel Farm Relocation Pre-Bid Meeting](#)

Meeting Presentation is included in this addendum.

Changes to Contract Requirements:

1. 00 52 00 Standard Form of Agreement - Article 4 – Contract Times. Paragraph 4.02 Contract Times: Dates. Replace the entire paragraph with the following:

4.02 Contract Times: Dates

A. The Work will be substantially completed on or before May 14, 2027, or 30 days after the Notice to Proceed is issued, whichever comes first. The work will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions. The fuel system downtime is limited to 14 days during the 30-day period.

Changes to Drawings:

2. E5.00 Electrical Site Plan – Replace with attached E5.00.
3. E5.01 Enlarged Electrical View - Replace with attached E5.01.
4. E5.02 Electrical Details - Replace with attached E5.02.
5. E6.00 Electrical Specifications – Replace with E6.00.

NOTE: Receipt of this Addendum No. 2 dated May 21, 2026 shall be acknowledged on [Bid Express](#). Failure to do so will not allow Bidder to submit Bid.

END OF ADDENDUM

DOCUMENT 00 52 00

STANDARD FORM OF AGREEMENT
BETWEEN OWNER AND CONTRACTOR
ON THE BASIS OF A STIPULATED PRICE

THIS AGREEMENT is by and between the Duluth Airport Authority
(Owner) and _____ (Contractor).

Owner and Contractor hereby agree as follows:

ARTICLE 1 – WORK

1.01 Contractor shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows: Fuel Farm Relocation.

ARTICLE 2 – THE PROJECT

2.01 The Project, of which the Work under the Contract Documents is a part, is generally described as follows: Fuel Farm Improvements.

ARTICLE 3 – ENGINEER

3.01 The Project has been designed by Short Elliott Hendrickson Inc. (SEH®).

3.02 The Owner has retained SEH (Engineer) to act as Owner’s representative, assume all duties and responsibilities, and have the rights and authority assigned to Engineer in the Contract Documents in connection with the completion of the Work in accordance with the Contract Documents.

ARTICLE 4 – CONTRACT TIMES

4.01 *Time of the Essence*

A. All time limits for Milestones, if any, Substantial Completion, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.

4.02 *Contract Times: Dates*

A. The Work will be substantially completed on or before May 14, 2027, or 30 days after the Notice to Proceed is issued, whichever comes first. The work will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions. The fuel system downtime is limited to 14 days during the 30-day period.

4.03 *Liquidated Damages*

A. Contractor and Owner recognize that time is of the essence as stated in Paragraph 4.01 above and that Owner will suffer financial loss if the Work is not completed within the times specified in Paragraph 4.02 above, plus any extensions thereof allowed in accordance with the Contract. The parties also recognize the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty):

1. Substantial Completion: Contractor shall pay Owner \$200 for each day that expires after the time (as duly adjusted pursuant to the Contract) specified in Paragraph 4.02.A above for Substantial Completion until the Work is substantially complete.
2. Completion of Remaining Work: After Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Time (as duly adjusted

pursuant to the Contract) for completion and readiness for final payment, Contractor shall pay Owner \$200 for each day that expires after such time until the Work is completed and ready for final payment.

3. Liquidated damages for failing to timely attain Substantial Completion and final completion are not additive and will not be imposed concurrently.

4.04 *Special Damages*

- A. In addition to the amount provided for liquidated damages, Contractor shall reimburse Owner (1) for any fines or penalties imposed on Owner as a direct result of the Contractor's failure to attain Substantial Completion according to the Contract Times, and (2) for the actual costs reasonably incurred by Owner for engineering, construction observation, inspection, and administrative services needed after the time specified in Paragraph 4.02 for Substantial Completion (as duly adjusted pursuant to the Contract), until the Work is substantially complete.
- B. After Contractor achieves Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Times, Contractor shall reimburse Owner for the actual costs reasonably incurred by Owner for engineering, construction observation, inspection, and administrative services needed after the time specified in Paragraph 4.02 for Work to be completed and ready for final payment (as duly adjusted pursuant to the Contract), until the Work is completed and ready for final payment.
- C. The special damages imposed in this paragraph are supplemental to any liquidated damages for delayed completion established in this Agreement.

ARTICLE 5 – CONTRACT PRICE

5.01 Owner shall pay Contractor for completion of the Work in accordance with the Contract Documents the amounts that follow, subject to adjustment under the Contract:

- A. For all Work, at the prices stated in Contractor's Bid attached hereto as Document 00 41 00.

ARTICLE 6 – PAYMENT PROCEDURES

6.01 *Submittal and Processing of Payments*

- A. Contractor shall submit Applications for Payment in accordance with Article 15 of the General Conditions. Applications for Payment will be processed by Engineer as provided in the General Conditions.

6.02 *Progress Payments; Retainage*

- A. Subject to the provisions of SC-15.01.C, Owner shall make monthly progress payments on account of the Contract Price on the basis of Contractor's Applications for Payment during performance of the Work as provided in Paragraph 6.02.A.1 below, provided that such Applications of Payment have been submitted in a timely manner and otherwise meet the requirements of the Contract. All such payments will be measured by the Schedule of Values established as provided in the General Conditions (and in the case of Unit Price Work based on the number of units completed) or, in the event there is no Schedule of Values, as provided elsewhere in the Contract:
 1. Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below but, in each case, less the aggregate of payments previously made and less such amounts as Owner may withhold, including but not limited to liquidated damages, in accordance with the Contract:
 - a. 95 percent of Work completed (with the balance being retainage).
 - b. 95 percent of cost of materials and equipment not incorporated in the Work (with the balance being retainage).
 2. Within 60 days after Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below but, in each case, less the aggregate of payments

previously made and less such amounts as Owner may withhold, including but not limited to liquidated damages, in accordance with the Contract.

- a. 99 percent of Work completed (with the balance being retainage) less 250 percent of the cost to correct or complete work known at the time of Substantial Completion.
- B. Within 60 days of Substantial Completion, Owner shall pay an amount sufficient to increase total payments to Contractor to 100 percent of the Work completed; less such amounts set off by Owner pursuant to Paragraph 15.01.E of the General Conditions; and less 250 percent of Engineer's estimate of the value of Work to be completed or corrected as shown on the punch list of items to be completed or corrected prior to final payment. Upon completion or correction and acceptance of said Work, Owner shall pay the amounts withheld within 60 days as recommended by Engineer.
 1. After Substantial Completion Owner shall also withhold one percent of the value of the Contract or \$500, whichever is greater, pending completion and submission of all "final paperwork" by the Contractor as defined by Minnesota Statutes, section 15.72, subdivision 2.(e)(2). Owner shall pay said amount withheld after Substantial Completion within 60 days of submission of all final paperwork as recommended by Engineer.

6.03 *Final Payment*

- A. Upon final completion and acceptance of the Work in accordance with Paragraph 15.06 of the General Conditions, Owner shall pay the remainder of the Contract Price as recommended by Engineer as provided in said Paragraph 15.06.

6.04 *Interest*

All amounts not paid when due shall bear interest at the rate of 4 percent per annum.

ARTICLE 7 – CONTRACT DOCUMENTS

7.01 *Contents*

- A. The Contract Documents consist of the following:
 1. Addenda (numbers 00 00 1__ to 00 00 1__, inclusive).
 2. This Agreement (pages 00 52 00-1 to 00 52 00-6, inclusive).
 3. Performance Bond (Document 00 61 13).
 4. Payment Bond (Document 00 61 14).
 5. General Conditions (pages 00 72 00-1 to 00 72 00-66, inclusive).
 6. Supplementary Conditions (pages 00 73 00-1 to 00 73 00-9, inclusive).
 7. Specifications as listed in the table of contents of the Project Manual.
 9. The Drawings listed in the index located on Drawing Sheet G0.00 – Title Sheet.
 10. Exhibits to this Agreement (enumerated as follows).
 - a. Contractor's Bid (Document 00 41 00).
 - b. Documentation submitted by Contractor prior to Notice of Award (pages ___ to ___, inclusive).
 - c. Certificate of Insurance.
 11. The following which may be delivered or issued on or after the Effective Date of the Contract and are not attached hereto:
 - a. Notice to Proceed.

- b. Field Order(s).
 - c. Work Change Directive(s).
 - d. Change Order(s).
- B. The documents listed in Paragraph 7.01.A are attached to this Agreement (except as expressly noted otherwise above).
- C. There are no Contract Documents other than those listed above in this Article 7.
- D. The Contract Documents may only be amended, modified, or supplemented as provided in the General Conditions.

ARTICLE 8 – REPRESENTATIONS, CERTIFICATIONS, AND STIPULATIONS

8.01 Contractor's Representations

- A. In order to induce Owner to enter into this Contract, Contractor makes the following representations:
1. Contractor has examined and carefully studied the Contract Documents, and any data and reference items identified in the Contract Documents.
 2. Contractor has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
 3. Contractor is familiar with and is satisfied as to all Laws and Regulations that may affect cost, progress, and performance of the Work.
 4. Contractor has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.
 5. Contractor has considered the information known to Contractor itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Contract Documents; and the Site-related reports and drawings identified in the Contract Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor; and (3) Contractor's safety precautions and programs.
 6. Based on the information and observations referred to in the preceding paragraph, Contractor agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
 7. Contractor is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Contract Documents.
 8. Contractor has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
 9. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

10. Contractor's entry into this Contract constitutes an incontrovertible representation by Contractor that without exception all prices in the Agreement are premised upon performing and furnishing the Work required by the Contract Documents.

8.02 *Contractor's Certifications*

- A. Contractor certifies that it has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the Contract. For the purposes of this Paragraph 8.02:
 1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process or in the Contract execution;
 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process or the execution of the Contract to the detriment of Owner, (b) to establish Bid or Contract prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
 3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish Bid prices at artificial, non-competitive levels; and
 4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 9 – MISCELLANEOUS

9.01 *Terms*

- A. Terms used in this Agreement will have the meanings stated in the General Conditions and the Supplementary Conditions.

9.02 *Assignment of Contract*

- A. Unless expressly agreed to elsewhere in the Contract, no assignment by a party hereto of any rights under or interests in the Contract will be binding on another party hereto without the written consent of the party sought to be bound; and, specifically but without limitation, money that may become due and money that is due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.

9.03 *Successors and Assigns*

- A. Owner and Contractor each binds itself, its successors, assigns, and legal representatives to the other party hereto, its successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.

9.04 *Severability*

- A. Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon Owner and Contractor, who agree that the Contract Documents shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

IN WITNESS WHEREOF, Owner and Contractor have signed this Agreement.

This Agreement will be effective on _____, _____ (which is the Effective Date of the Contract).

OWNER:

CONTRACTOR:

Duluth Airport Authority

By: _____

By: _____

Title: _____

Title: _____

[CORPORATE SEAL]

[CORPORATE SEAL]

Attest: _____

Attest: _____

Title: _____

Title: _____

Address for Giving Notices:

Address for Giving Notices:

(If Owner is a corporation, attach evidence of authority to sign. If Owner is a public body, attach evidence of authority to sign and resolution or other documents authorizing execution of Owner-Contractor Agreement).

License No. _____
(Where Applicable)

Agent for service of process: _____

(If Contractor is a corporation or a partnership, attach evidence of authority to sign.)

Designated Representative:

Designated Representative:

Name: _____

Name: _____

Title: _____

Title: _____

Address: _____

Address _____

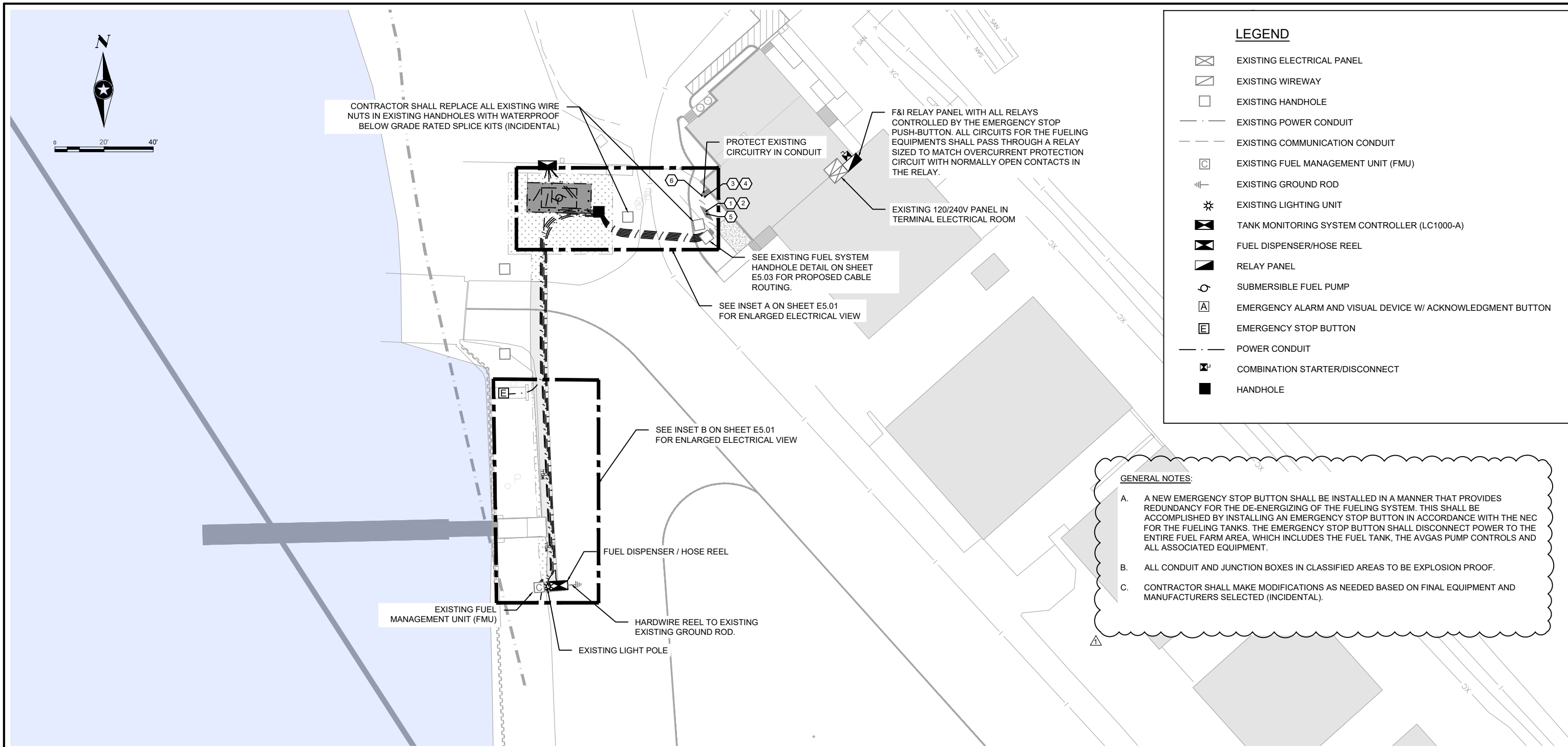
Phone: _____

Phone: _____

Email: _____

Email: _____

END OF DOCUMENT



SEH Project DULAI 188848
 Drawn By RT
 Designed By RT
 Checked By JEK

Rev.# Description Date
 ADDENDUM NO. 1 05/15/2026
 ADDENDUM NO. 2 05/20/2026

Rev.# Description Date

SEH
 I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA
 ROTHANA THORNG, P.E.
 DATE 05/01/2026 LICENSE NO. 63074


















FUEL FARM IMPROVEMENTS
 DULUTH, MN

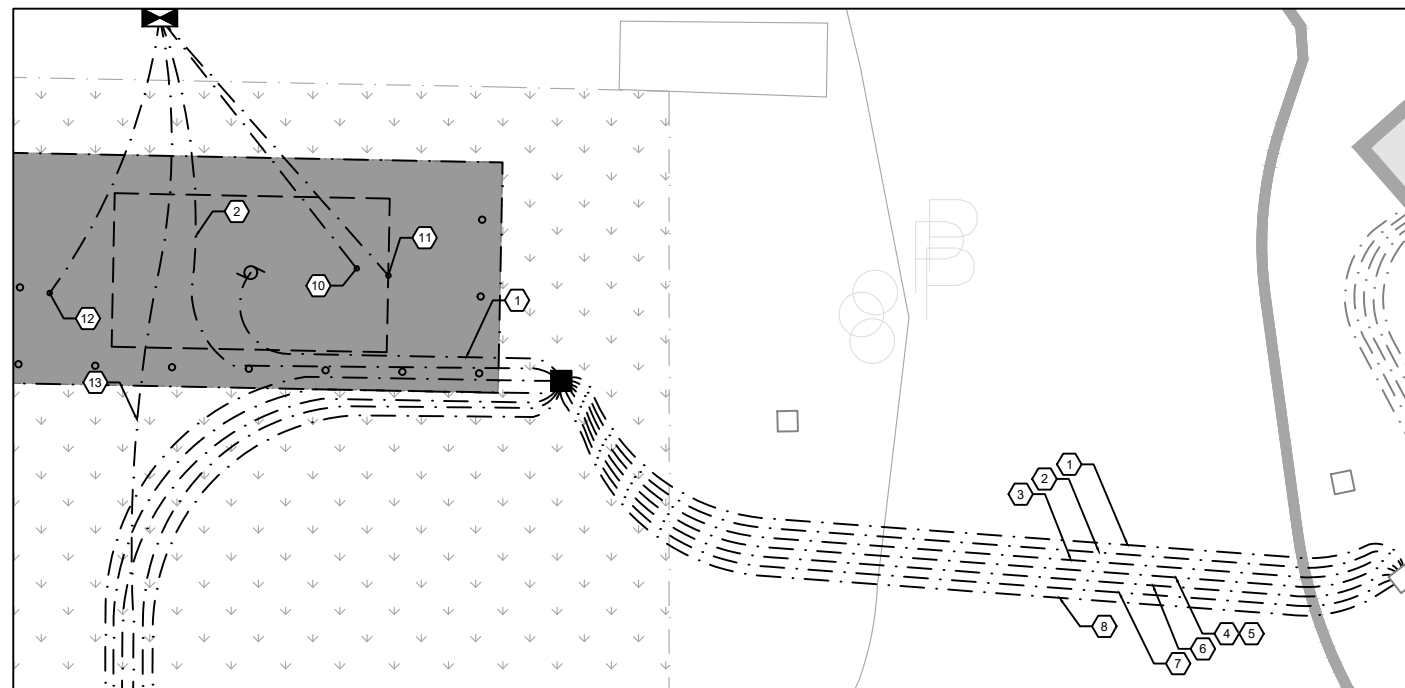
ELECTRICAL SITE PLAN

E5.00

CONTRACTOR SHALL VERIFY CONTROL CIRCUITRY CABLE, CONDUIT SIZE, TYPE, AND ROUTING WITH MANUFACTURER FOR DISPENSER, FUEL MANAGEMENT UNIT, AND TANK MONITORING SYSTEM. PLAN AND SPECIFICATION REVISIONS SHALL BE SENT TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. ANY CHANGES SHALL BE CONSIDERED INCIDENTAL AND NO ADDITIONAL PAYMENT SHALL BE MADE FOR MATERIAL OR LABOR TO PROVIDE A COMPLETE AND OPERATIONAL ELECTRICAL AND CONTROL SYSTEM.

LEGEND

-  EXISTING ELECTRICAL PANEL
-  EXISTING WIREWAY
-  EXISTING HANDHOLE
-  EXISTING POWER CONDUIT
-  EXISTING COMMUNICATION CONDUIT
-  EXISTING FUEL MANAGEMENT UNIT (FMU)
-  EXISTING GROUND ROD
-  EXISTING LIGHTING UNIT
-  TANK MONITORING SYSTEM CONTROLLER (LC1000-A)
-  FUEL DISPENSER/HOSE REEL
-  RELAY PANEL
-  SUBMERSIBLE FUEL PUMP
-  EMERGENCY ALARM AND VISUAL DEVICE W/ ACKNOWLEDGMENT BUTTON
-  EMERGENCY STOP BUTTON
-  POWER CONDUIT
-  COMBINATION STARTER/DISCONNECT
-  HANDHOLE



INSET A



INSET B

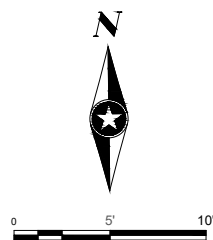
CONDUIT AND WIRE SCHEDULE

| IDENTIFIER | LOAD SERVED "FROM" | LOAD SERVED "TO" | CONDUIT SIZE | CONDUCTORS | GROUND | NOTE |
|------------|---------------------------------|---|-----------------|-----------------|---------|------|
| 1 | COMBINATION STARTER/DISCONNECT | SUBMERSIBLE FUEL PUMP | 3/4" (PROPOSED) | (2) #10 | (1) #10 | 1 |
| 2 | EXISTING ELECTRICAL PANEL | LC1000-A | 3/4" (PROPOSED) | (2) #10 | (1) #10 | 1 |
| 3 | EXISTING ELECTRICAL PANEL | EMERGENCY STOP PUSH-BUTTON | 3/4" (PROPOSED) | (2) #10 | (1) #10 | 1 |
| 4 | EXISTING ELECTRICAL PANEL | FUEL MANAGEMENT UNIT | 3/4" (PROPOSED) | (4) #10 | (1) #10 | 1,2 |
| 5 | COMBINATION STARTER/DISCONNECT | | | | | |
| 6 | EXISTING ELECTRICAL PANEL | FUEL DISPENSER / HOSE REEL | 3/4" (PROPOSED) | (2) #10 | (1) #10 | 1 |
| 7 | EXISTING ELECTRICAL PANEL | EXISTING LIGHT POLE | 3/4" (PROPOSED) | (2) #10 | (1) #10 | 1 |
| 8 | EXISTING FUEL COMMUNICATION BOX | FUEL MANAGEMENT UNIT | 3/4" (PROPOSED) | (1) CAT6A | N/A | 1 |
| 9 | FUEL MANAGEMENT UNIT | FUEL DISPENSER / HOSE REEL | 3/4" (PROPOSED) | (1) BELDEN 8760 | N/A | 1 |
| 10 | LC1000-A | TANK LEVEL GAUGE & ALARM | BY OTHERS | (1) BELDEN 8760 | N/A | |
| 11 | LC1000-A | INTERSTITIAL LEAK PROBE | BY OTHERS | (1) BELDEN 8760 | N/A | |
| 12 | LC1000-A | TRANSITION SUMP LEAK NON-DISCRIMINATING DETECTION PROBE | 3/4" (PROPOSED) | (1) BELDEN 8760 | N/A | |
| 13 | LC1000-A | TRANSITION SUMP LEAK NON-DISCRIMINATING DETECTION PROBE | 3/4" (PROPOSED) | (1) BELDEN 8760 | N/A | |

NOTE:

1. PROPOSED CONDUIT FROM EXISTING FUEL SYSTEM HANDHOLE OR PROPOSED HANDHOLE TO LOAD. CABLE SHALL BE CONTINUOUS FROM THE SOURCE AT THE TERMINAL ELECTRICAL ROOM. SEE CONDUIT AND WIRE SCHEDULE ON SHEET E5.00.
2. POWER WIRING FROM EXISTING ELECTRICAL PANEL AND 120V SIGNAL WIRING TO CONTROL BOX.

CONTRACTOR SHALL VERIFY CONTROL CIRCUITRY CABLE, CONDUIT SIZE, TYPE, AND ROUTING WITH MANUFACTURER FOR DISPENSER, FUEL MANAGEMENT UNIT, AND TANK MONITORING SYSTEM. PLAN AND SPECIFICATION REVISIONS SHALL BE SENT TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. ANY CHANGES SHALL BE CONSIDERED INCIDENTAL AND NO ADDITIONAL PAYMENT SHALL BE MADE FOR MATERIAL OR LABOR TO PROVIDE A COMPLETE AND OPERATIONAL ELECTRICAL AND CONTROL SYSTEM.



SEH Project DULAI 188848
 Drawn By RT
 Designed By RT
 Checked By JEK

Plan Revision Issue Description Date
 Rev.# ADDENDUM NO. 2 05/20/2026

Sheet Revision Issue Description Date
 Rev.#
 1 ISSUE FOR BID 04-25-2026



I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA
 ROTHANA THORNG, P.E.
 DATE 05/01/2026 LICENSE NO. 63074

FUEL FARM IMPROVEMENTS
 DULUTH, MN

ENLARGED ELECTRICAL VIEW

E5.01

1. THIS WORK SHALL CONSIST OF FURNISHING ALL LABOR, EQUIPMENT, AND MATERIALS FOR THE CONSTRUCTION OF A COMPLETE AND OPERATIONAL FUELING ELECTRICAL AND COMMUNICATION SYSTEM INCLUDING LIGHTING, ELECTRICAL, AND COMMUNICATION SYSTEMS.
2. THE CONTRACTOR SHALL SUBMIT A COMPLETE SET OF SHOP DRAWINGS FOR ALL PROPOSED EQUIPMENT TO THE OWNER AND ENGINEER FOR REVIEW. THE SUBMITTED ITEMS MUST BE APPROVED PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR SHALL SUPPLY ACCURATE AS-BUILT DRAWINGS OF THE PROJECT TO THE OWNER. DRAWINGS SHALL INDICATE ALL ELECTRICAL AND COMMUNICATION EQUIPMENT ASSOCIATED WITH THE FUELING STATION SYSTEM, AND ALL CABLE, CONDUIT, LIGHT POLE, AND HANDHOLE LOCATIONS MEASURED FROM A KNOWN LOCATION.
3. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY PERMITS.
4. ALL MATERIAL AND WORK SHALL BE IN ACCORDANCE WITH PEI/RP200-96, NFPA 30, 30A, 407, 70(NEC), 2020 MINNESOTA STATE FIRE CODE, AND THE 2025 EDITION OF MNDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION. COMPLIANCE WITH PROVISIONS OF MNDOT 2545 WILL BE PARTICULARLY ENFORCED IN CONJUNCTION WITH THE CONSTRUCTION OF ANY KIND OR TYPE OF ELECTRICAL, COMMUNICATION, AND LIGHTING SYSTEM, AND CONDUIT OR CONDUIT SYSTEMS FOR THE CONVEYANCE OF THE ELECTRICAL AND COMMUNICATION CONDUCTORS INCLUDING TRENCHING, BACKFILLING, AND COMPACTION REQUIREMENTS OR THE REQUIRED PORTIONS THEREOF, AS SPECIFIED IN THE CONTRACT.
5. HAZARDOUS LOCATION BOUNDARIES SHALL MEET THE REQUIREMENTS OF ARTICLE 515 PER NFPA 407 5.1.6. FUELING EQUIPMENT SHALL MEET CLASS 1 DIVISION 2 REQUIREMENTS OF A 20' RADIUS AROUND DISPENSERS, 18" ABOVE GRADE, AND AN 18" BUBBLE AROUND FUELING EQUIPMENT. PROVIDE SEAL OFFS AND EXPLOSION PROOF EQUIPMENT AS REQUIRED.
6. CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH THE GENERAL CONTRACTOR, OWNER, AND THE ENGINEER TO ENSURE ALL OUTDOOR AND UNDERGROUND WORK IS COMPLETED PRIOR TO ANY NEW HARD SURFACES BEING INSTALLED ON THE SITE. CONTRACTOR SHALL COORDINATE HIS ACTIVITIES WITH ALL OTHER PARTIES OCCUPYING THE SITE SO AS TO NOT IMPEDE OR DELAY CONSTRUCTION PROGRESS. CONTRACTOR SHALL ATTEND ANY REGULARLY SCHEDULED CONSTRUCTION PROGRESS MEETINGS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE AMONG SUPPLIERS AND CONTRACTORS PROVIDING EQUIPMENT FOR THE PROJECT. THE COORDINATION SHALL INCLUDE, BUT NOT BE LIMITED TO, OPERATORS, POWER REQUIREMENTS, ETC. COOPERATE WITH OTHER TRADES TO AVOID INTERFERENCES IN THE INSTALLATION OF THIS WORK. INSTALL ALL EQUIPMENT AND SYSTEMS SO AS NOT TO DELAY PROGRESS OF CONSTRUCTION, AND CORRELATE WITH OTHER TRADES TO AVOID DELAY. SHOULD DIFFERENCES OF OPINION DEVELOP, THE ENGINEER'S DECISION WILL BE FINAL. CONTRACT BID PRICES SHALL REFLECT ALL CONSTRUCTION AND INSTALLATION COSTS.
7. ALL MATERIALS SHALL BE LISTED BY A NATIONAL RECOGNIZED TESTING LABORATORY (NRTL) AS DEFINED BY THE U.S. DEPARTMENT OF LABOR. THE TESTING LABORATORY MUST BE LISTED BY OSHA IN ITS SCOPE OF RECOGNITION FOR THE APPLICABLE TEST BEING CONDUCTED AS REQUIRED BY THIS SPECIFICATION. A LIST OF RECOGNIZED TESTING LABS FOR PRODUCTS SOLD IN THE UNITED STATES MAY BE FOUND ON THE U.S. DEPARTMENT OF LABOR'S WEB SITE: [HTTP://WWW.OSHA.GOV/](http://www.osha.gov/)
8. ALL UNDERGROUND CONDUIT SHALL BE NMC SCHEDULE 40, UNLESS OTHERWISE NOTED.
9. ALL ABOVE GROUND CONDUIT SHALL BE RIGID STEEL, UNLESS OTHERWISE NOTED.
10. ALL CONDUCTORS SHALL BE COPPER, TYPE XHHW-2.
11. ALL CONDUIT SHALL BE PLACED A MINIMUM OF 24" DEEP, AND BE PLACED BY TRENCHING, PLOWING OR DIRECTIONAL BORING.
12. CONDUIT ROUTING IS SHOWN DIAGRAMMATICALLY AND SHALL BE INSTALLED AS STRAIGHT AS POSSIBLE WHILE KEEPING RUNS AS SHORT AS POSSIBLE WITHIN CONSTRUCTION LIMITS. CONDUITS SHALL BE INSTALLED IN COMMON TRENCH WHENEVER POSSIBLE.
13. ALL ABOVE GROUND SPLICING SHALL BE PERFORMED USING BURNDY UNITAP SPLICING HARDWARE OR APPROVED EQUAL. WIRE NUTS ARE NOT AN APPROVED METHOD OF SPLICING WITHIN JUNCTION BOXES.
14. THE CONTRACTOR SHALL COAT ALL THREADED HARDWARE WITH AN APPROVED ZINC-BASED ANTI-SEIZE COMPOUND PRIOR TO ASSEMBLY.
15. EXACT LOCATION OF CONDUIT STUB-UPS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
16. THE CONTRACTOR IS RESPONSIBLE TO REPLACE AND COMPACT THE SUBGRADE MATERIAL AND REPLACE THE PERMANENT SURFACE MATERIAL IN KIND (EXACTLY AS THE EXISTING).
17. THE CONTRACTOR SHALL GUARANTEE THE OPERATION OF THE INSTALLATION AND THAT THE MATERIALS AND WORKMANSHIP OF THE EQUIPMENT BE FREE FROM DEFECTS FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE, PROVIDING THE EQUIPMENT HAS BEEN OPERATED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. IF A DISPUTE EXISTS REGARDING WHETHER THE EQUIPMENT HAS BEEN MAINTAINED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, THE ENGINEER'S DECISION WILL BE FINAL. THE GUARANTEE SHALL INCLUDE ALL PARTS AND LABOR NECESSARY TO RETURN THE SYSTEM TO NORMAL OPERATION. THE GUARANTEE ON ALL EQUIPMENT SHALL START AFTER FORMAL ACCEPTANCE OF EQUIPMENT AS DEFINED BY THE GENERAL CONDITIONS AND AFTER SUCCESSFUL COMPLETION OF STARTUP PROCEDURES.
18. THE CONTRACTOR SHALL COLLECT, GATHER AND ASSEMBLE INTO ONE BOOK THE INSTALLATION DETAILS, INSTRUCTIONS, SCHEMATICS OF ACTUAL EQUIPMENT AND OPERATIONS DIRECTIONS SUPPLIED BY THE MANUFACTURER WITH ALL EQUIPMENT. FINAL ACCEPTANCE OF THE WORK WILL BE WITHHELD UNTIL SUCH DATA HAS BEEN PRESENTED COMPLETE TO THE OWNER. THE MANUAL SHALL BE AVAILABLE FOR INSTRUCTION OF OPERATIONS AND MAINTENANCE OF EQUIPMENT AND SYSTEMS.
19. CONTRACTOR SHALL COORDINATE WITH OWNER'S IT DEPARTMENT TO PROVIDE CONNECTIVITY TO THE TANK MONITORING CONTROL SYSTEM.
20. CONTRACTOR SHALL PROVIDE TRAINING TO CITY STAFF ON HOW TO OPERATE THE NEW TANK MONITORING SYSTEM AND HOW TO ACCESS THE SYSTEM REMOTELY.
21. CONTRACTOR SHALL MAKE THEMSELVES AVAILABLE TO BE ON SITE AND DEDICATED IN ASSISTING WITH COMMISSIONING OF THE FUELING SYSTEMS AFTER CONSTRUCTION HAS BEEN COMPLETED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING THE SCHEDULE APPROVED BY ENGINEER AND OWNER.
22. CONTRACTOR SHALL COMPLY WITH THE SECTION 514 OF THE NEC FOR CONDUIT, JUNCTION BOXES, SEALS, AND ANY OTHER MISCELLANEOUS EQUIPMENT NEEDED TO PROVIDE A COMPLETE EXPLOSION PROOF INSTALLATION. ANY EQUIPMENT NOT SPECIFICALLY IDENTIFIED IN THE PLANS NEEDED TO MEET THIS REQUIREMENT SHALL BE INCIDENTAL.
23. CONTRACTOR SHALL REPLACE ALL EXISTING BELOW GRADE SPLICES WITH WATERPROOF BELOW GRADE RATED SPLICE KITS (INCIDENTAL).
24. CAT 6A CABLE SHALL BE SUITABLE FOR USE OUTDOORS AND BELOW GRADE IN CONDUIT. CONDUCTORS SHALL BE SOLID COPPER AND HAVE 4 TWISTED PAIRS OF 23 AWG WIRE AND BE SHIELDED. THE OUTER JACKER SHALL BE UV RATED, BE WATER BLOCK GEL FILLED, AND BE BLACK IN COLOR. THE CABLE SHALL BE IN ACCORDANCE WITH UL 444 AND 1666, TYPE CMX AND CMR PER NEC ARTICLE 800, AND TIA/EIA-568-D.



SEH Project DULAI 188848
 Drawn By RT
 Designed By RT
 Checked By JEK

| Rev.# | Plan Revision Issue Description | Date |
|-------|---------------------------------|------------|
| △ | ADDENDUM NO. 2 | 05/20/2026 |

| Rev.# | Sheet Revision Issue Description | Date |
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I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

ROTHANA THORNG, P.E.
 DATE 05/01/2026 LICENSE NO. 63074

FUEL FARM IMPROVEMENTS
 DULUTH, MN

ELECTRICAL SPECIFICATIONS

E6.00