

### ADDENDUM #3

#### 1.1 PROJECT INFORMATION

- A. Project Number: 2021-10628
- B. Project Title: Fueling Facility
- C. Project Location: 1229 W. Boone Avenue, Spokane, Washington
- D. Agency: Spokane Transit Authority

#### 1.2 NOTICE TO BIDDERS

- A. The following clarifications, changes, additions, and/or deletions are considered as Addendum #3 and are hereby made a party of the contract documents. All bidders are required to base their bid upon the information furnished in this addendum and as required in the contract documents. The Contractor is required to acknowledge Addendum #1 through #3 in their company proposal. Failure to acknowledge addendum on the bid form will result in the bid proposal being declared non-responsive.
- B. All communications shall be directed to Jessica Charlton as listed in the bid documents at [jcharlton@spokanetransit.com](mailto:jcharlton@spokanetransit.com) or by telephone at 509-325-6049.
- C. **Permit Update:** As noted in the pre-bid walk, the project was in for plan review with the City of Spokane. The plan review has been approved and the permit is ready for issuance to our selected contractor. This fee is to be paid by the Contractor, however; is a direct reimbursable (with no markup) and not part of your bid or the contract value.
- D. **Last day for questions has passed.** The bidder should use their best judgment as professionals in their field and err on the side of conservative for any questions, comments, errors, etc..

#### 1.3 CLARIFICATIONS / GENERAL

- A. **Penetrations through existing tilt up wall:** position of the reinforcing bars at all penetrations through the existing STA building wall must be identified as part of the contractors layout process using a Hilti Ferroscan, BPR, X-Ray or other means approved by the Engineer of Record. This effort to be included in the contractors bid. Penetrations for piping must avoid the reinforcing however it is known and the design takes into account the new door opening and impact to existing reinforcing.

#### 1.4 REVISIONS/CLARIFICATIONS TO PLANS AND SPECIFICATIONS SECTIONS

- A. **Plan Sheets**
  - Sheet C4.1, Detail 1/C2.1:** revise Treatment Soil Fill, note 3.1.5 to read “Minimum of ~~12 inches~~ **1 inch** of free draining topsoil.”
  - Sheet A1.1, Detail B2, Detail A1. A2 and A3**
    - Delete all work and materials for installation of new aluminum letters and STA logo.
  - Sheet E1.1**
    - Delete any reference to and all work and materials for “new sign lighting”.
    - Clarification to conduit for future use at gates
  - Sheet E4.1**
    - Delete the “Fire Department Emergency Shutoff” callouts and associated buttons Keep all work and materials for the three (3) “Emergency Shut-Off” buttons.
  - Sheet M5.2, Detail 3**
    - Revise pipe support call out to read “Pipe Support, See Structural Detail ~~159/S5.1~~”

- B. **Specifications**  
**Section 03300, Part 2.8.A**  
- There is no underslab vapor barrier required for this project. Delete part 2.8A in its entirety.
- C. **Substitution Requests:**  
**Specification 26510 - Interior Lighting**  
- Sonaray is added to the list of approved manufacturers list for the S.A1 lighting  
- GE Current is added to the list of approved manufacturers for the W.A2 lighting

1.5 QUESTIONS / ANSWERS (from the Pre-Bid Meeting, Emails, and Phone Calls)

**Question 01:** *E1.1 Sheet Note 3 - This note is found at the future gate locations and lists a typical Man Door list of Access Control items. The page notes at the future gate locations only indicate a future keycard. It appears the intent is to have Public Side Access Control conduit and Keycard cabling to 3 locations (2 future gates, 1 new man door) The new man door also appears to have a complete list of Secure Side per 6.1 Detail 2. Please confirm intended future gate security options needed.?*

**Answer 01:** The intent is that conduit for future electrification and secure access would be installed for the gates. All work for conduits, wiring and door hardware is included in this bid for the man door. In the future gates would have a pedestal, where an access card could be used and the gate would automatically open.

**Question 02:** *E1.1 - A J-Box has been identified for the 2 ea 2" conduits running each direction from the new man door. As these are for power and comm, should there actually be 2 J-boxes? The East Gate conduits will need to run around the tank and exceeds the allowable distance between communications vaults, should J-boxes be shown in this run around the tank?*

**Answer 02:** Yes, provide two J-boxes to separate power and communications. Conduit runs that exceed the allowed distance shall have J-boxes or outdoor traffic rated hand holds.

**Question 03:** *E1.1 Future Gate locations. Where should the future gate 2 ea 2" conduits and security cabling end? Should J-boxes be added at the future gate locations to protect the electrical? Again, should there be 1 for each? Power and Comm?*

**Answer 03:** Cap conduits above grade. One set of power and security on each side of gate. Please see Section 1.4 above and the revision made to sheet E1.1, included with this addendum.

**Question 04:** *E4.1 Sheet Note 4. Only 1 fill warning shut off is shown, should there be multiple?*

**Answer 04:** One silence switch is sufficient for all three tanks.

**Question 05:** *E4.1 Sheet Note 9. No information related to product, size, circuitry, Qty exists. Please identify, quantify, and detail intent.*

**Answer 05:** The three receptacles shown in detail 1 are circuited to EF2:1.

**Question 06:** *E4.1 - There are 2 ea Fire Dept Emergency Shutoffs shown, should there be 3?*

**Answer 06:** Three shutoffs are needed, one for each tank. The "Emergency Shut-Off" and the "Fire Department Emergency Shutoff" are actually the same, mistakenly shown as two different buttons. This has been corrected. Please see Section 1.4 above and the revision made to sheet E4.1, included with this addendum.

**Question 07:** *E4.1- Is it the intent to run the conduit for the Exterior Wall lights, Annunciators, E-Stops, T-Stats, EF HOAs, Full Warning Shut offs on the interior of the building and poke through at each device location? Is horizontal exterior conduit allowable? Was it the intent to travel outside underground with vertical risers only?*

**Answer 07:** The intent is to minimize the amount of exterior conduit. Conduit shown is diagrammatic only and contractor will determine the best routing to minimize penetrations in the building and the vaults. Underground conduit to vertical risers or interior conduit to penetrations would both be acceptable methods to limit exterior horizontal conduit. Underground conduits shall be schedule 40 PVC and above ground shall be RGS. Wire in underground conduits shall be rated for wet locations. If devices are side by side and less than 1-foot apart, it is okay to connect them with RGS conduit with appropriate fittings. Conduit should also avoid the vault lids as those may need to be removed.

**Question 08:** *E4.1- Are the existing exterior walls pre or post tension? If so, are there details or special requirements for creating penetrations?*

**Answer 08:** The exterior walls are pre-cast tilt up, not tensioned members. Contractor shall scan walls to avoid rebar where penetrations must be made. It should be noted that it is understood and the design accounts for the man door penetration which will impact the existing reinforcing grid.

**Question 09:** *E6.1 One Line - Is TF3 really a new transformer?*

**Answer 09:** Yes. With the upsize of the main breaker to EF2 and the load increase the existing transformer is too small. Thorough coordination and a schedule approved by STA must be included to perform this work. Remove existing transformer and turn over to STA.

**Question 10:** *E6.1 One Line - Is Panel EF2 New? It is outlined bold but the EF2 notes indicate this is an existing panel.*

**Answer 10:** EF2 is existing but will be upgraded with a new main breaker and feeder breakers as detailed in the panel schedule notes.

**Question 11:** *E Sheets...General There are gaps in the Electrical Sheet Identification, Bid Package Currently includes: E1.0, E1.1, E4.1, E5.1 and E6.1. Do Sheets E2.1 or E3.1 exist?*

**Answer 11:** The drawing package is complete. Those sheets are not part of the set.

**Question 12:** *Division 27 Specification exists but there does not appear to be Comm System Drawings. Is the Div 27 Specification included to guide common work and horizontal cabling needed for the Division 28 Access Control?*

**Answer 12:** The spec is for instrumentation and security wiring required to complete the job. Note that Addendum No. 1 deleted all work associated with security cameras.

**Question 13:** *There is a vertical grouted element identified on sheet SH.3 that I can't find any other reference to in the documents, drawings, or report. Please clarify.*

**Answer 13:** Vertical grouted elements are not included in the scope for this project. This was a remnant of early design that was mistakenly left on the plan sheet. Due to the granular nature of the existing fill and native soils, soil arching between soldier piles may occur. Contractors should include in their bids the potential for having to do half lifts (i.e 2-3ft lifts) in the upper 6ft (where soils exist) and to include lean mix backfill behind lagging to limit sloughing.

**Question 14:** *Is the project allowing an NPCA Certification in lieu of the PCI Certification?*

**Answer 14:** Yes. NPCA Certification is acceptable in lieu of PCI Certification.

**Question 15:** *If NPCA Certification is acceptable, how will the vault lids be monitored/what are the requirements for quality control?*

**Answer 15:** It is acceptable for NPCA installers to submit their own QC plans or equivalent/comparable NPCA certifications for approval in lieu of the PCI certifications noted.

**Question 16:** *Specification 034100 paragraph 1.06.B & C calls for the installer of the precast vault lids to have a PCI SI and CFA certificate. This specific vault lid installation is not a complex process. Furthermore, there is an extremely limited number of contractors in the Pacific Northwest that have the correct PCI credentials stated. It's requested these two requirements for installer qualifications be removed and a Precast Installer QC work plan submittal be provided in its place.*

**Answer 16:** It is acceptable for NPCA installers to submit their own QC plans or equivalent/comparable NPCA certifications for approval in lieu of the PCI certifications noted.

**Question 17:** *Sheet M1.2 Note 2 requires that the contractor pump out the water inside the secondary containment bladder. Can this water be disposed of via the onsite storm or sewer drain, or does it have to be transported offsite for disposal?*

**Answer 17:** The water has been tested and can be disposed of as wastewater. Means and methods of disposal are at the discretion of the contractor with proper coordination and permitting (if needed) to also be included in your bid. During our design and preliminary testing for the project a temporary discharge permit was obtained from the City of Spokane which would allow discharge of 40,000 gallons into the system at a maximum rate of 20 gpm. A new temporary discharge permit will be needed and should be included in contractor bids if this is the method desired. STA's on site "zipper" or floor drains discharge to an oil/water separator and then into the City's sewer system and could be unitized, with the proper discharge permit, however their physical capacity is limited and no flooding of the slab floor is allowed. There are sewer manholes within close proximity to the facility in Gardner Avenue that wastewater could be pumped with permitting in place along with the proper traffic control and protections.

**Question 18:** *Will the product in the six existing fuel tanks be removed to a minimum six inches by the owner prior to decommissioning?*

**Answer 18:** Yes. STA will coordinate and pay for disposal of remaining fluids in the existing diesel tanks to within 6-inches of the bottom of the tank. The contractor must coordinate with STA for the 2023 schedule such that as much diesel as possible can be drawn down from each tank as part of regular fueling and a minimum of 5 days in advance of needing the service to remove remaining fluids.

**Question 19:** *How thick are the existing concrete wall panels that must be sawcut for the new doorway shown on A1.1?*

**Answer 19:** According to original drawings for the facility, panels are expected to be 8-1/2" thick.

**Question 20:** *No fence specification can be found. Please confirm the only fencing requirements are those found on drawing C2.1 note 2 and drawing detail 6/L5.1 or provide a standard plan for the contractor to follow.*

**Answer 20:** The basic requirements are as noted on Sheet C2.1 Note 2 and Sheet L5.1 Detail 6. The desire is to have fencing similar to that existing around STA's parking lot, with exception to having swig gates rather than a larger rolling gate, located at the southwest corner of the intersection of W. Sinto Avenue and Jefferson St.

**Question 21:** *The fence foundation is called out as three different depths. Drawing L5.1 detail 6 shows the foundation at 20" deep, note 3 of this same detail calls out the foundation at 34" deep, and contract drawing sheet C2.1 note 2 calls out the foundation at 30" deep. Please advise which is the correct depth for fence foundations.*

**Answer 21:** A minimum of 24-inches is recommended for regular chain link fencing.

**Question 22:** *The contractor is requesting that a horizontal construction joint be allowed at the exterior trench drain curb found on contract drawing sheet C3.2 detail A. Please confirm this is acceptable.*

**Answer 22:** A monolithic pour is the preferred installation method. Contractor bids should account for this method.

**Question 23:** *Detail 1 on C4.1 shows the EZ Roll Paver elevation view. This detail is only calling for 1.0" of treatment soil infill. It appears, based on the other dimensions on this same drawing, that this callout may be an error. Please confirm this dimension.*

**Answer 23:** The EZ Roll Paver detail is not to scale and therefore can be deceiving. The minimum depth of top soils is indeed 1", the Treatment Soil Fill note 3(1.5) incorrectly notes 12-inches. Please also see the revisions/clarifications in Section 1.4 of this addenda.

**Question 24:** *Drawing sheet A1.1 shows an architectural 3D sign with 18" letters. Detail A2 has a note that calls for 24" letters despite the detail showing 18". Please confirm the letters are to be 18" in height.*

**Answer 24:** All new signage and associated up lighting for the sign are hereby removed from the scope of work. STA has decided to go a different direction. Removing existing letters for STA salvage is still included in the scope of work. See clarifications above in Section 1.4 of this addendum.

**Question 25:** *Please confirm our understanding that the samples shown on M1.2 are required to be collected by the contractor but that the owner's 3rd party testing agency will be testing the samples at no cost to the contractor.*

**Answer 25:** Correct. Samples are to be collected by the contractor and given to Budinger & Associates on site representative. Budinger & Associates will have the samples tested at STA's cost, no cost to the contractor/subcontractor.

**Question 26:** *Specification 231327 paragraph 1.8A calls for recording of diesel storage tanks and monitoring of tanks. Please expand on what the contractor is responsible for in regards to setting up, recording, and monitoring of these tanks.*

**Answer 26:** The tanks should arrive under vacuum with a document that says when it was placed under vacuum and what the reading was. The contractor shall check this upon delivery to make sure no leak has occurred. The contractor shall record the vacuum that they see until connections are made. There may be additional requirements by the tank manufacturer to honor their warranty.

**Question 27:** *Detail 2 on C4.1 calls for 8" thick PCC paving and detail 9 on C4.2 call for 9" thick. Please clarify which is correct.*

**Answer 27:** PCC should be 8-inches thick.

**Question 28:** *The contractor acknowledges the pipe supports that are detailed on 9 of S5.1 and 15 of S5.1. Please verify the plan locations and quantity for each of these supports on the project.*

**Answer 28:** There is one of each of the supports shown in detail 9 and 15 on Sheet S5.1. These are associated with the Manifold Elevation Detail 3 on sheet M5.1 (outside the building) and the Diesel Dispensing Unit Detail 3 on Sheet M5.2 (inside the building).

We did notice an error however for the support callout in detail 3 Sheet M5.2. The callout should reference structural detail 15 on sheet S5.1, not detail 9. See also Section 1.4 above.

ENCLOSURES:

Sheet E1,1 and E4.1 - minor revisions.

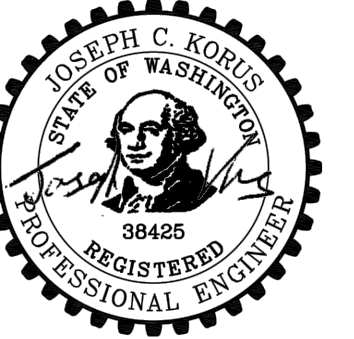


GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH THE CURRENT EDITION OF THE NEC AS ADOPTED BY THE STATE OF WASHINGTON OR THE LOCAL AUTHORITY HAVING JURISDICTION.
2. SEAL ALL CONDUITS AS THEY LEAVE THE CLASSIFIED AREA.
3. ALL W.A2 ARE TO BE CIRCUITED TO EF2 AND WILL BE CONTROLLED VIA INTEGRATED PHOTOCELL.
4. GAS DETECTORS SHALL BE MOUNTED SO THAT THEY DO NOT INTERFERE WITH LID REMOVAL.
5. SEE SECTION 002100 PART 1.1B AND SECTION 003100 AS RELATED TO SCHEDULE AND PHASING OF THE WORK. WORK INDOORS MUST BE COORDINATED WITH STA AND MUST NOT DISRUPT EXISTING BUS WASHING AND FUELING OPERATIONS.
6. WIRING AND CONDUIT ROUTING IS SHOWN AS A BASIS OF DESIGN ONLY. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE WORKING SYSTEM FOR THE SECURITY, CAMERAS, ELECTRICAL DEVICES, TANKS, FUEL PUMPS, AND FUEL CONTROLLERS. MORE CONDUIT AND WIRE MAYBE REQUIRED THAN IS SHOWN.

SHEET NOTES

1. NOT USED.
2. PANELS EF1 AND EF2 ARE ON EMERGENCY GENERATOR BACKUP.
3. PROVIDE WIRING AND CONDUIT FOR DOOR SECURITY. INCLUDING WIRING TO DOOR SWITCH, REX, AND CARD READER. ELECTRIC STRIKE WILL BE PART OF DOOR HARDWARE.
4. PROVIDE POWER AND KEYPAD WIRING TO GATE LOCATIONS FOR FUTURE POWER TO THE GATES. PROVIDE 1-2" CONDUIT FOR POWER AND 1-2" CONDUIT FOR CONTROLS.
5. NOT USED.
6. NOT USED.
7. NOT USED.
8. NOT USED.
9. NOT USED.
10. CONTRACTOR SHALL COORDINATE OVERHEAD OR ENCASED CONDUIT TO EXISTING PANELS WITH OTHER DISCIPLINES. COORDINATE INSTALLATION WITH EXISTING INFRASTRUCTURE.
11. DURING DEMOLITION OF EXISTING DISPENSERS AND INSTALLATION OF NEW DISPENSERS, LOCATE EXISTING CONDUIT AND COORDINATE DEMOLITION OR RELOCATION WITH OWNER. DEMOLITION OF EXISTING SYSTEM SHALL BE PHASED SO THAT FUEL DELIVERY IS NOT DISRUPTED.
12. NOT USED.
13. W.A2 FIXTURES ARE TO BE LUMCA P/N #LU-BWM-18-LED05-30W-40K-L28-120-BK. BLACK FINISH WITH (BTP) BUTTON TYPE PHOTOCELL. MOUNT AT 12'-0" UNLESS NOTED OTHERWISE. COORDINATE WITH STA PRIOR TO INSTALLATION.
14. GAS DETECTOR SHALL BE MOUNTED SO THAT IT DOES NOT INTERFERE WITH LID REMOVAL.



02.03.2022

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**ELECTRICAL SITE PLAN**

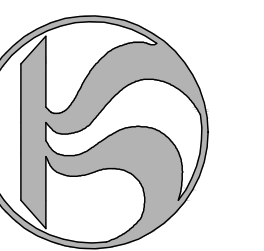
**FUELING FACILITY**  
1230 W. Boone Avenue  
Spokane, Washington

SHEET TITLE

PROJECT NAME & ADDRESS

Spokane Transit Authority  
1230 W. Boone Avenue, Spokane, Washington 99201

CLIENT INFORMATION



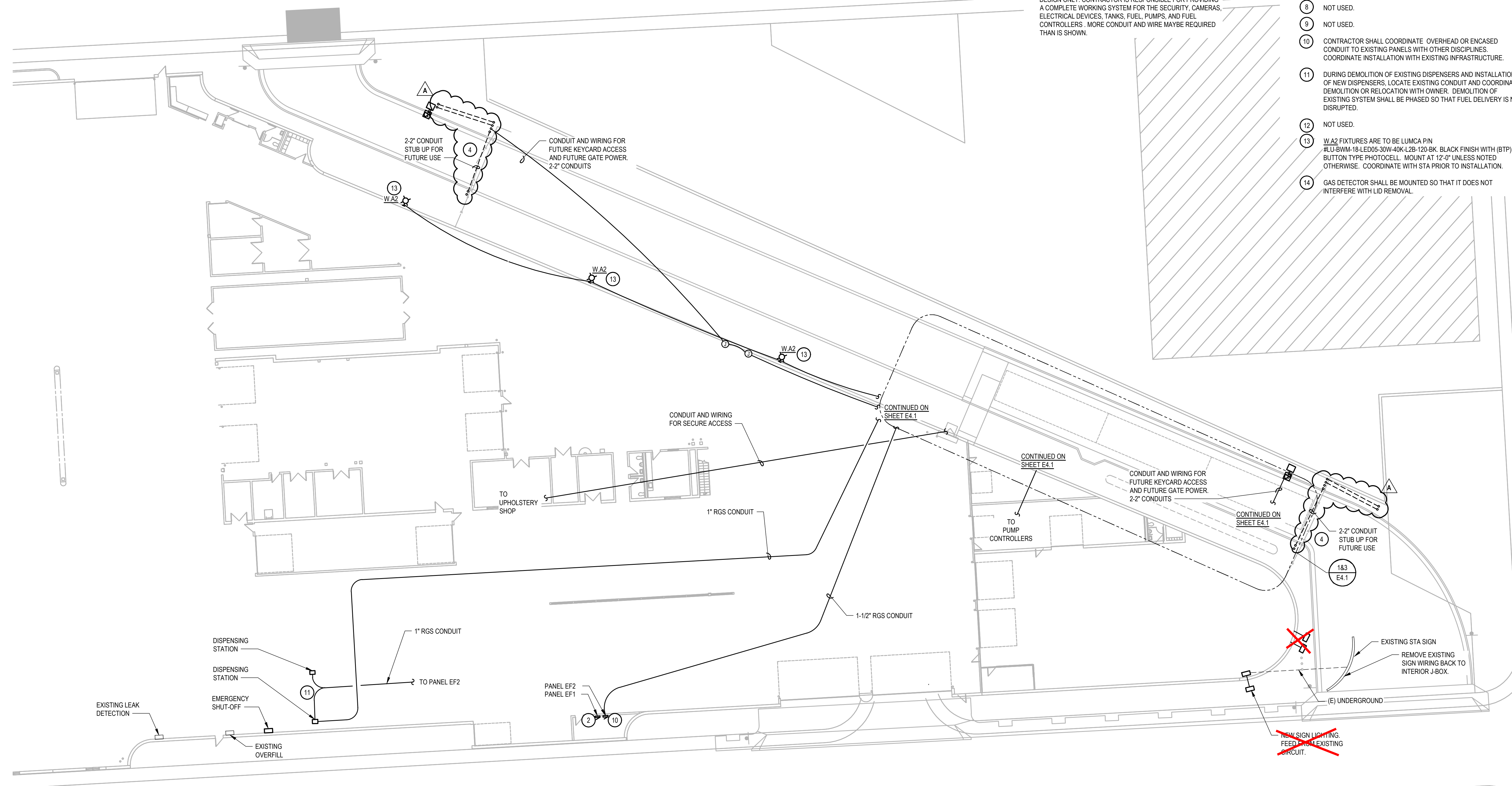
REVISIONS			
No.	Date	By	
A	02/03/22 - ADDENDUM NO. 3	LLK	

PROJ. NO.	2021-10628
DRAWN	LLK
CHECKED	JCK
DATE	02/03/2022

E1.1

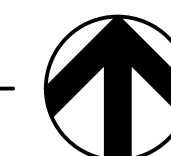
SHEET

BOONE AVENUE



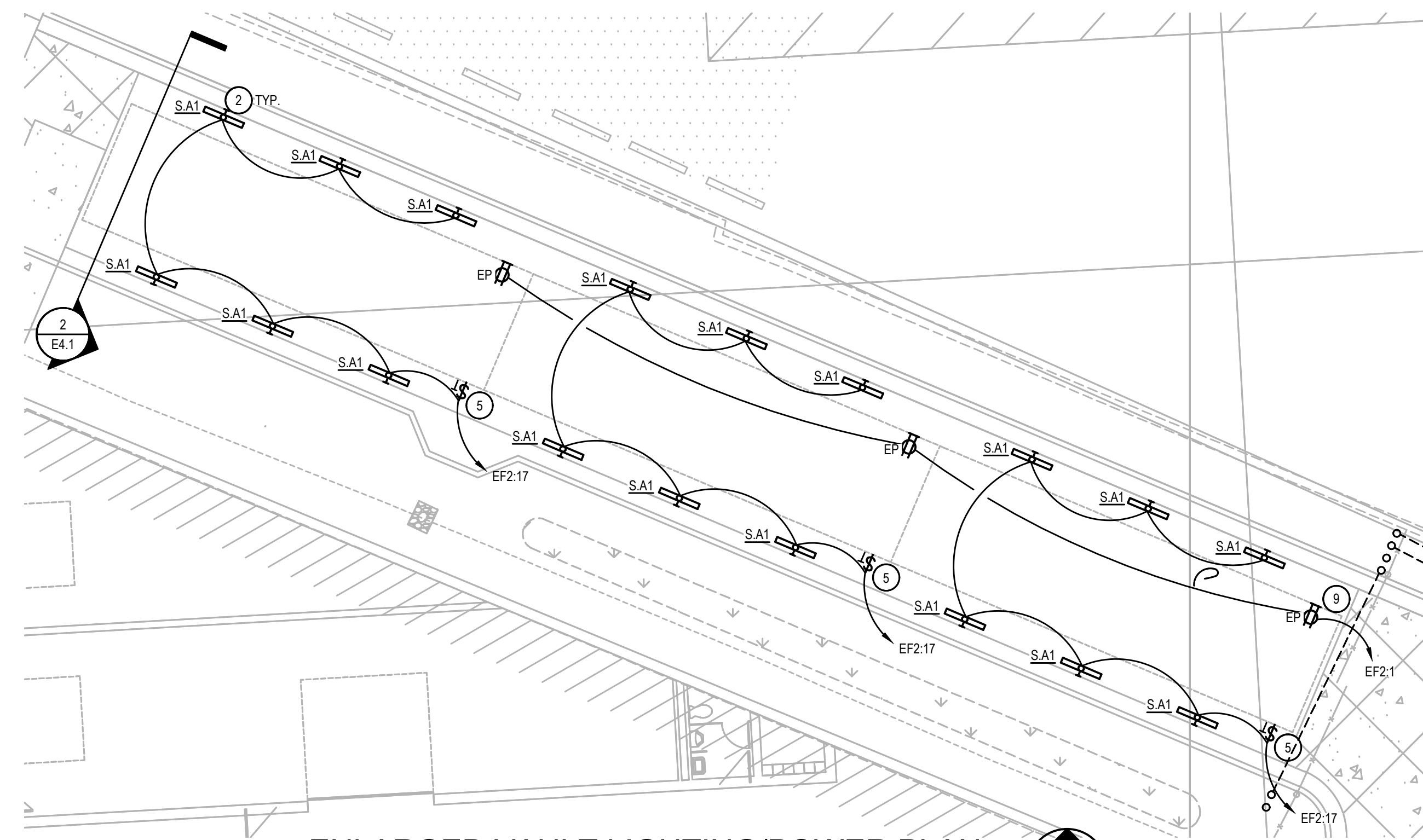
**1 ELECTRICAL SITE PLAN**

SCALE: 1" = 20'-0"

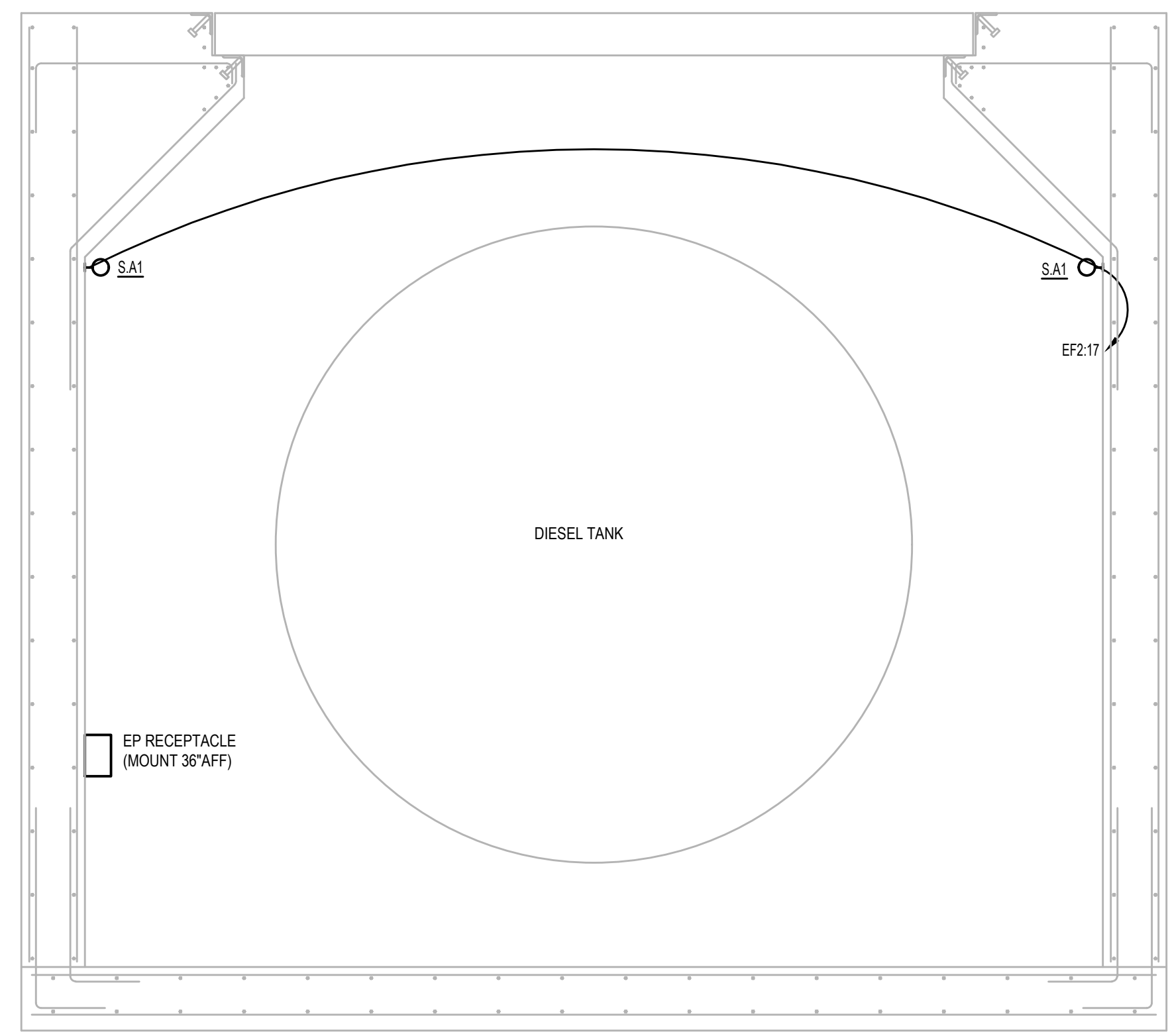


**BID SET**

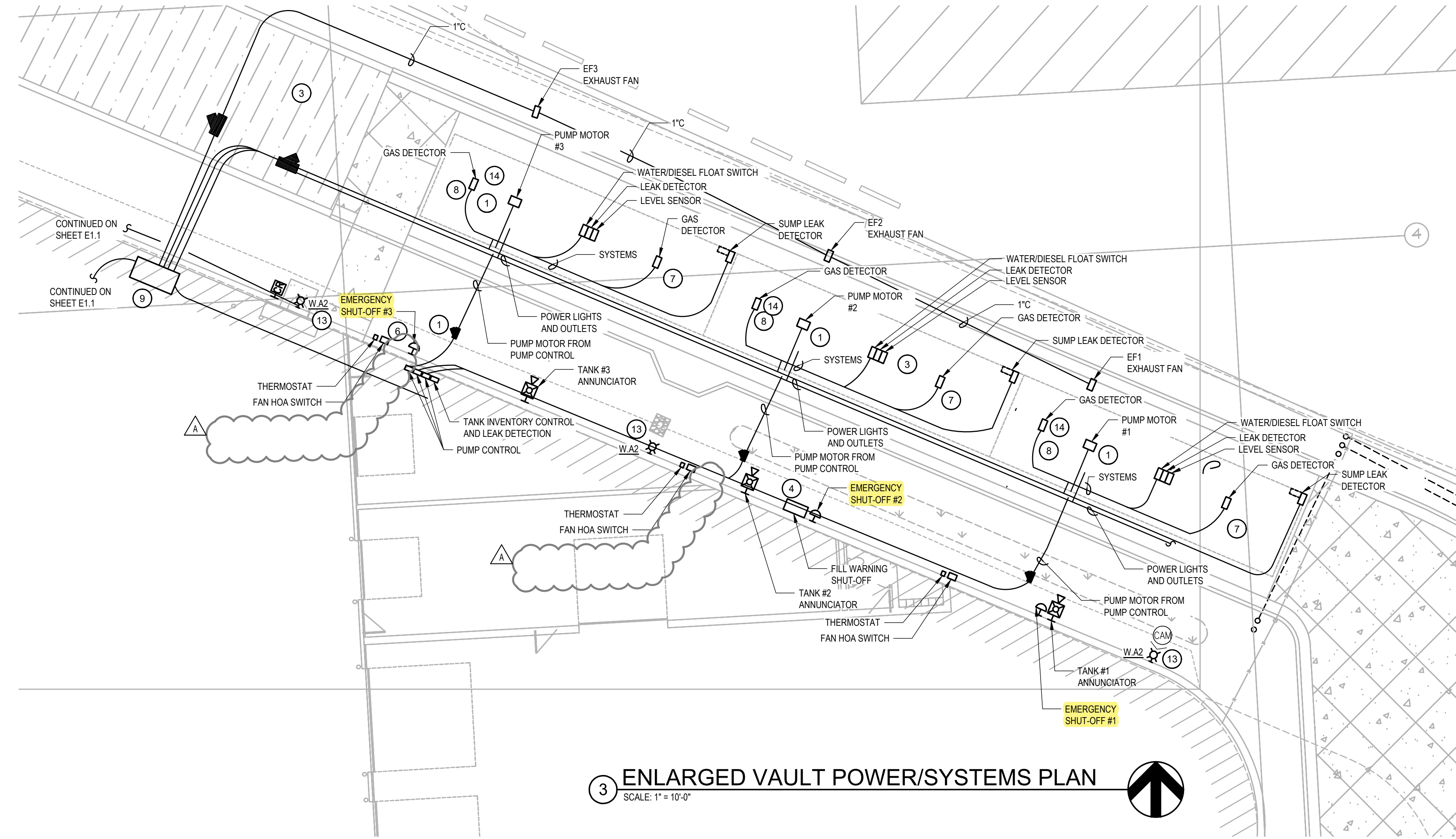




**1 ENLARGED VAULT LIGHTING/POWER PLAN**  
SCALE: 1" = 10'-0"



**2 VAULT LIGHTING ELEVATION**  
SCALE: 1/2" = 1'-0"



**3 ENLARGED VAULT POWER/SYSTEMS PLAN**  
SCALE: 1" = 10'-0"

**SHEET NOTES**

- 1 NEW DIESEL PUMPS TO BE SINGLE PHASE, 240VAC.
- 2 PROVIDE SA1 INDATECH EXPLOSION PROOF LED LUMINAIRE CATH#XPL4-90-U-50K. CIRCUIT TO BE SPLIT AT SWITCHES.
- 3 SEE SHEET E4.1 FOR ENLARGED LIGHTING DETAILS.
- 4 TANK FILL WARNING INDICATORS SHALL BE SHUT OFF MANUALLY AT STATION SHOWN. WARNING SILENCE SHALL LATCH AND AUTOMATICALLY RESET WHEN ALARM LEVEL DROPS TO NORMAL.
- 5 PROVIDE A SENSOR SWITCH PTS-60-GY-1T TIMER SWITCH IN A WEATHERPROOF ENCLOSURE TO CONTROL THE SA1 LUMINAIRES LOCATED BELOW GRADE IN THE STORAGE TANK ROOMS.
- 6 COORDINATE LOCATION OF FIRE DEPARTMENT E-STOP WITH MECHANICAL INSTALLATION; SEE SHEET M1.3 AND CIVIL C2.1.
- 7 EACH VAULT TO BE EQUIPPED WITH INDIVIDUAL LIGHT CONTROL AND A RECEPTACLE FOR PORTABLE SUMP PUMP; SEE SHEET E4.1 FOR DETAILS.
- 8 FOR SENSOR DETAILS, SEE SHEET E5.1.
- 9 RECEPTACLES FOR USE WITH PORTABLE SUMP PUMP.
- 10 NOT USED.
- 11 NOT USED.
- 12 NOT USED.
- 13 WA2 FIXTURES ARE TO BE LUMCA PIN #LU-BWM-19-LED05-30W-40K-128-120-BK. BLACK FINISH WITH (BTP) BUTTON TYPE PHOTOCELL. MOUNT AT 12'-0" UNLESS NOTED OTHERWISE. COORDINATE WITH STA PRIOR TO INSTALLATION.
- 14 GAS DETECTOR SHALL BE MOUNTED SO THAT IT DOES NOT INTERFERE WITH LID REMOVAL.

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2. SEAL ALL CONDUITS AS THEY LEAVE THE CLASSIFIED AREA. SEAL OFF LOCATION IS DIAGRAMMATIC. SEAL OFFS WILL BE IN BUILDING OR ON BUILDING WALL.
3. ALL WA2 ARE TO BE CIRCUITED TO EF2 AND WILL BE CONTROLLED VIA INTEGRATED PHOTOCELL.
4. GAS DETECTORS, CONDUITS AND OTHER EQUIPMENT SHALL BE MOUNTED SO THE LID CAN BE REMOVED.
5. CONDUIT PENETRATIONS SHALL USE DETAIL S5.1/5. PROVIDE THREE CONDUITS ONE FOR POWER, ONE FOR SYSTEMS, AND ONE FOR THE PUMP MOTOR.

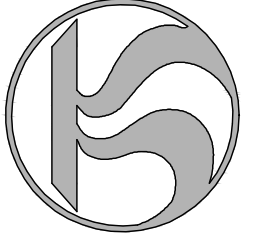
**COFFMAN ENGINEERS**  
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**ENLARGED ELECTRICAL PLANS**  
PROJECT NAME & ADDRESS  
**FUELING FACILITY**  
1230 W. Boone Avenue  
Spokane, Washington

CLIENT INFORMATION  
**Spokane Transit Authority**  
1230 W. Boone Avenue, Spokane, Washington 99201



REVISIONS			
No.	Date	By	
A	02/03/22	LLK	ADDENDUM NO. 3

PROJ. NO. 2021-10628  
DRAWN LLK  
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DATE 02/03/2022

**E4.1**

**BID SET**

SHEET