



**CITY OF  
Tulsa**  
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## FAX TRANSMITTAL

Date: June 17, 2022

To: Plan Holders

Company: Contractors

Number of Pages: **9** (Including Cover)

From: Anika Ture - Contract Administration  
Telephone No. 918-596-9637  
Fax No. 918-699-3470  
Email – [ature@cityoftulsa.org](mailto:ature@cityoftulsa.org)

RE: **Project No. TMUA-W 18-19 C2 A.B. Jewell Water Treatment  
Plant Clarifier No. 3 Improvements**

### **ADDENDUM NO. 1**

Please fax or email a signed cover sheet 918-699-3470 to or  
[tcurry@cityoftulsa.org](mailto:tcurry@cityoftulsa.org) as acknowledgement of receipt.

Thank you,

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Company

\_\_\_\_\_  
Date



**ADDENDUM NO. 1  
TO  
PROJECT NO. TMUA-W 18-19 C2  
A.B. JEWELL WATER TREATMENT PLANT CLARIFIER NO. 3 IMPROVEMENTS**


This Addendum No. 1 consisting of (8) items, submitted by City of Tulsa, is hereby made a part of the Contract Documents to the same extent as though it were originally included therein, and shall supersede anything contained in the Plans and Specifications with which it might conflict. **This entire Addendum shall be attached to the Index Sheet of the Contract Documents, recorded on P-4 of the proposal, and submitted with bid. Failure to do so shall result in the bid being deemed non-responsive.**

This Addendum No. 1 consists of the following:

1. The attached documents list the detailed items that have been modified in Addendum No. 1. These documents shall be inclusive and apply to this project.

All other provisions of the Plans and Specifications shall remain in full force and effect.

**CITY OF TULSA**

  
Paul D. Zachary, P.E.  
City Engineer

   
HAS/CW/AT/at

June 17, 2022

## **ADDENDUM NO. 1**

### **PROJECT NO. TMUA-W 18-19 C2 AB JEWELL WATER TREATMENT PLANT CLARIFIER NO. 3 IMPROVEMENTS**

This Addendum No. 1 consisting of 8 Items is hereby made a part of the Contract Documents to the same extent as though it were originally included therein and shall supersede anything contained in the Plans and Specifications with which it might conflict. **This addendum shall be attached to the Index Sheet of the Contract Documents and submitted with the bid. Failure to do so shall result in the bid being deemed non-responsive.**

This Addendum No. 1 consists of the following:

#### CLARIFICATION

- 1) There should be no match line on Drawing 05-C-101. This match line will be removed in the conformed drawings.
- 2) As-built drawings for Clarifier 3 are available upon request.

#### SPECIFICATIONS

- 3) **CHANGE** the Bid Opening from July 1, 2022, to **JULY 8, 2022.**
- 4) **01 32 00, Paragraph 1.01.A.1, ADD subparagraphs:**
  - a. Include anticipated long lead items on preliminary progress schedule
  - b. Note on schedule the anticipated submittal date of long lead items, which will be shown as no later than 60 days after Notice to Proceed (NTP).
  - c. Contractor is responsible for identifying the long lead items which may affect the project.”
- 5) **01 33 00, Paragraph 1.02.G, ADD Subparagraphs:**
  - “1. Initial submittal of contractor identified long lead items will be no later than 60 days after NTP.
  2. Include within the submittal a manufacturer or vendor signed memorandum indicating the lead time required for the required equipment, product, etc.
  3. The Owner will consider extensions of contract time based on identified long lead times, with total compensation limited to time only.

ADDENDUM NO. 1  
PROJECT NO. TMUA-W 18-19 C2  
AB JEWELL WATER TREATMENT PLANT CLARIFIER NO. 3 IMPROVEMENTS

4. Long lead items not submitted within 60 days after NTP and long lead items identified by contractor later than 60 days after NTP will not be considered for time extensions under paragraph 01 33 00.1.02.G.3.”

DRAWINGS

- 6) **05-E-100, ADD** Notes 7 and 8 that include demolition of the electrical vault near Sludge Pump Station 1 and replacing the Clarifier 3 wiring from the CPDC to the clarifier. The electrical vault demolition shall be included in Pay Item 04, and the Clarifier 3 wiring shall be included in Pay Item 53. This change is also reflected in Drawing **30-E-701**.
- 7) **30-E-601, CHANGE**, the breakers in MPC-L4 for VLV 10309 through VLV 10304 shall be 50 amp instead of 40 amp.
- 8) **30-E-703 and 40-E-110, CHANGE**, the monorail hoist was installed in a previous project and shall not be installed in this project.

All other provisions of the Plans and Specifications shall remain in full force and effect.  
Jacobs Engineering Group Inc.



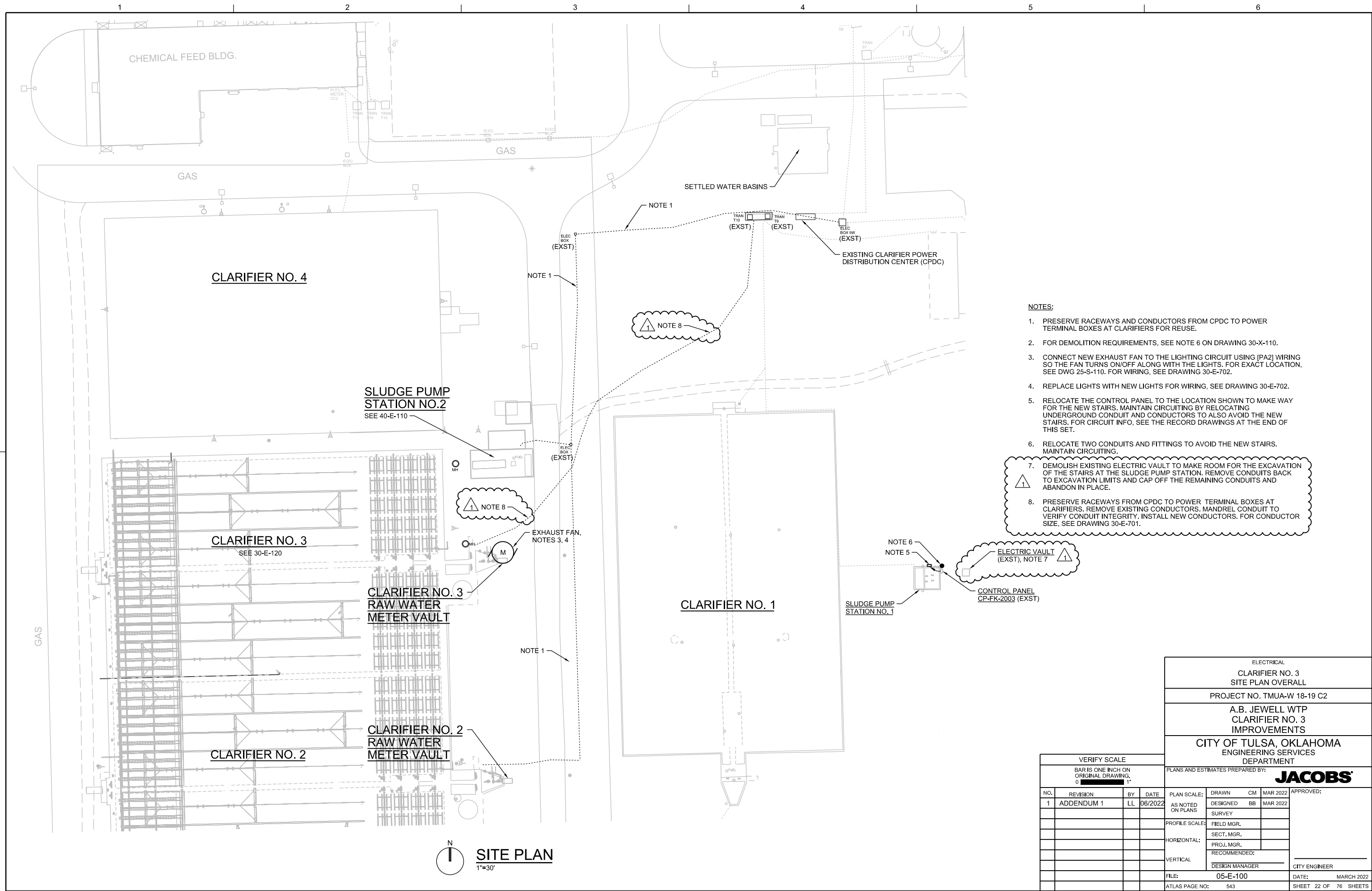
Luke Lenard, PE  
Engineer of Record

Appended hereto and part of Addendum No. 1:

Photographs:      **None**  
Specifications:   **None**  
Drawings:        **05-E-100**  
                             **30-E-601**  
                             **30-E-701**  
                             **30-E-703**  
                             **40-E-110**



**END OF ADDENDUM**

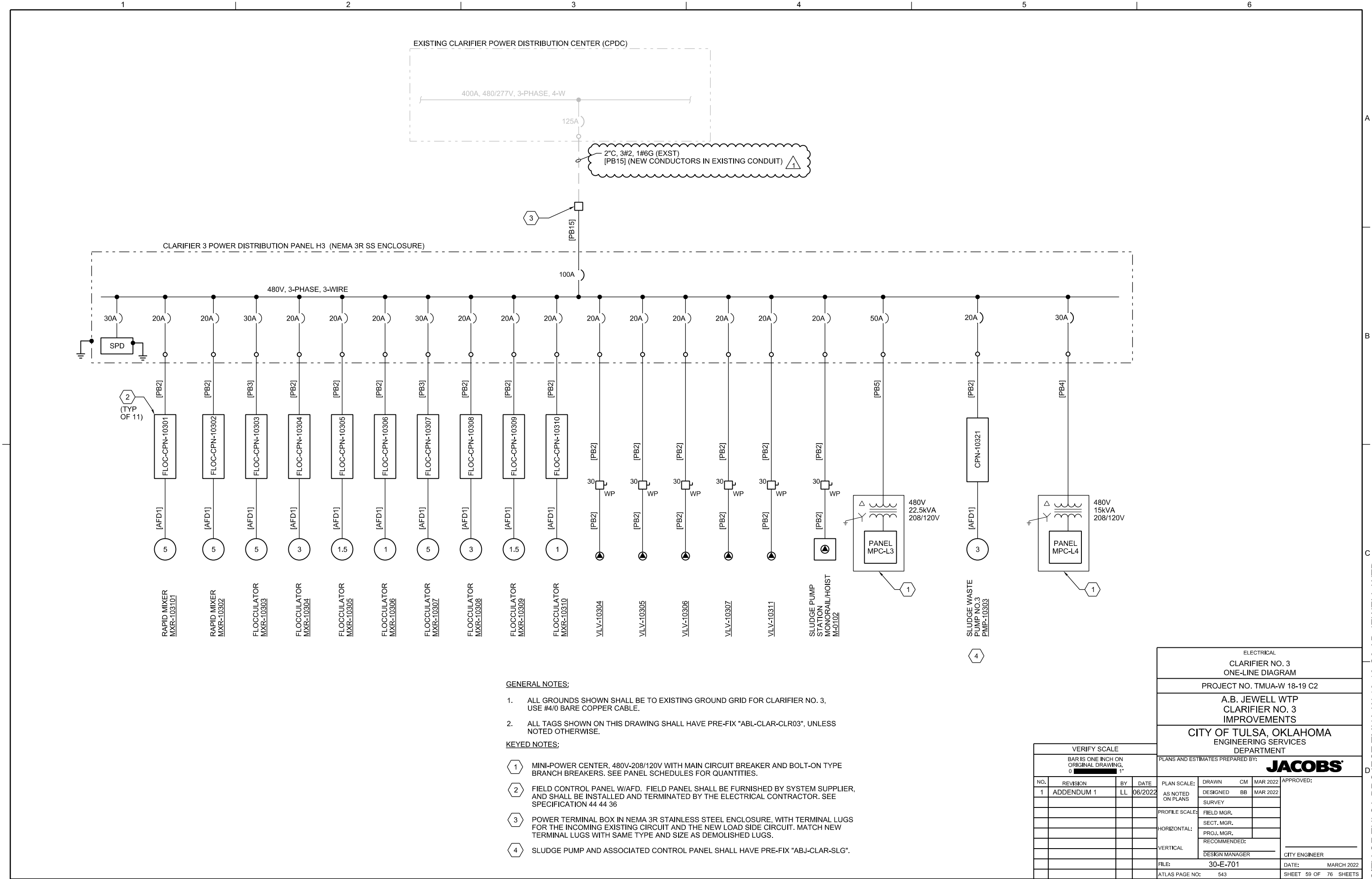


| ELECTRICAL PANELBOARD SCHEDULE  |         |     |      |                     |     |      |  |      |      |            |     |         |                                   |
|---|---------|-----|------|---------------------|-----|------|--|------|------|------------|-----|---------|-----------------------------------|
| PANEL: MPC-L3<br>VOLTAGE: 208Y/120V, 3-PHASE<br>BUS SIZE: ---<br>MAIN SIZE: 50A<br>SCCR: 18kAIC |         |     |      |                     |     |      | LOCATION: OUTSIDE WALL OF CLARIFIER 3<br>MOUNTING: SURFACE<br>FED FROM: PANEL H3<br>MAIN TYPE: CIRCUIT BREAKER<br>NOTE: ALTERNATIVELY, SPD MAY BE INSTALLED IN AN EXTERNAL ENCLOSURE |      |      |            |     |         |                                   |
| CIRCUIT TITLE   | BREAKER |     |      | LOAD, VA            |     |      | LOAD, VA   |      |      | BREAKER    |     |         | CIRCUIT TITLE                     |
|   | CKT NO. | AMP | POLE | PHASE               |     |      | PHASE  |      |      | POLE       | AMP | CKT NO. |                                   |
|   |         |     |      | A                   | B   | C    | A  | B    | C    |            |     |         |                                   |
| FIT-10003 (IN RAW WATER VAULT)  | 1       | 20  | 1    | 100                 |     |      | 1130   |      |      | 1          | 20  | 2       | LIGHT POLES - EAST SIDE           |
| EXHAUST FAN (IN RAW WATER VAULT)  | 3       | 20  | 1    |                     | 200 |      |  | 1130 |      | 1          | 20  | 4       | LIGHT POLES - WEST SIDE           |
| INFL-CPN10321   | 5       | 20  | 1    |                     |     | 1000 |  |      | 1000 | 1          | 20  | 6       | HEAT TRACE "CAP" AND "ACH" PIPING |
| SPARE   | 7       | 20  | 1    |                     |     |      |  |      |      | 1          | 20  | 8       | SPARE                             |
| SPARE   | 9       | 20  | 1    |                     |     |      |  |      |      | 1          | 20  | 10      | SPARE                             |
| SPARE   | 11      | 20  | 1    |                     |     |      |  |      |      | 1          | 20  | 12      | SPARE                             |
| SPACE   | 13      |     | 1    |                     |     |      |  |      |      | 1          |     | 14      | SPACE                             |
| SPACE   | 15      |     | 1    |                     |     |      |  |      |      | 1          |     | 16      | SPACE                             |
| SPACE   | 17      |     | 1    |                     |     |      |  |      |      | 1          |     | 18      | SPACE                             |
| SPACE   | 19      |     | 1    |                     |     |      |  |      |      | 3          | 30  | 20      | SPD (SEE NOTE)                    |
| SPACE   | 21      |     | 1    |                     |     |      |  |      |      | --         | --  | 22      | --                                |
| SPACE   | 23      |     | 1    |                     |     |      |  |      |      | --         | --  | 24      | --                                |
| TOTAL LOAD  |         |     |      | 100                 | 200 | 1000 | 1130   | 1130 | 1000 |            |     |         |                                   |
|   |         |     |      | PHASE A LOAD (VA) = |     |      | 1230   |      |      |            |     |         |                                   |
|   |         |     |      | PHASE B LOAD (VA) = |     |      | 1330   |      |      |            |     |         |                                   |
|   |         |     |      | PHASE C LOAD (VA) = |     |      | 2000   |      |      |            |     |         |                                   |
|   |         |     |      | TOTAL LOAD (VA)=    |     |      | 4560   |      |      | AMPS= 12.7 |     |         |                                   |

| LUMINAIRE SCHEDULE        |      |         |             |   |   |                                    |          |
|---------------------------|------|---------|-------------|---|---|------------------------------------|----------|
| DESCRIPTION               | TYPE | VOLTAGE | INPUT WATTS | DESCRIPTION   | MANUFACTURER AND CATALOG NO.                  | LAMPS                              | MOUNTING |
| "STADIUM" LIGHT           | LED  | 120     | 186         | 16" ROUND LED HIGH BAY. RATED FOR OUTDOOR INDUSTRIAL APPLICATIONS. COPPER FREE ALUMINUM HOUSING. POLYESTER POWDER COATED FINISH. TEMPERED GLASS LENS. UL LISTED. NEMA 4X DARK SKY COMPLIANT.                  | DIALIGHT "VIGILANT" HEU-LMC2-ENNW-NGN         | 132 LPW<br>24,500 LUMENS<br>5,000K | POLE     |
| "STADIUM" LIGHT ACCESSORY | N/A  | N/A     | N/A         | SWIVEL BRACKET AND CABLE GLAND  | DIALIGHT HBXW2                                | N/A                                | POLE     |
| "STADIUM" LIGHT ACCESSORY | N/A  | N/A     | N/A         | SLIP-FIT STANCHION MOUNT  | DIALIGHT HZXSTAN200S                          | N/A                                | POLE     |
| FLOODLIGHT                | LED  | 120     | 385         | DUAL 16" ROUND LED HIGH BAY. RATED FOR OUTDOOR INDUSTRIAL APPLICATIONS. COPPER FREE ALUMINUM HOUSING. POLYESTER POWDER COATED FINISH. TEMPERED GLASS LENS. UL LISTED. NEMA 4X DARK SKY COMPLIANT.             | DIALIGHT "VIGILANT" FLOODLIGHT FDU78C2MDSNNGN | 145 LPW<br>56,000 LUMENS<br>5,000K | POLE     |
| FLOODLIGHT ACCESSORY      | N/A  | N/A     | N/A         | TENON POLE TOPPER FOR FLOODLIGHT  | DIALIGHT FLX-1TPT-20DB                        | N/A                                | POLE     |
| LIGHT POLE                | N/A  | N/A     | N/A         | SQUARE NON-TAPERED 25-FOOT STEEL POLE. ONE PIECE CONSTRUCTION FROM A WELDABLE GRADE CARBON STEEL STRUCTURAL TUBING. 11 GAUGE. POLYESTER THERMOSETTING POWDER COATED FINISH. 3 MILS MINIMUM. HANDHOLE. BRONZE. | WJM POLES SS500725-BZ-2-BC                    | N/A                                | POLE     |
| LIGHT POLE ACCESSORY      | N/A  | N/A     | N/A         | BULL HORN MOUNT FOR 2 LIGHTS  | DIALIGHT FLX-2RSR-20DB                        | N/A                                | POLE     |
| LIGHT POLE ACCESSORY      | N/A  | N/A     | N/A         | BULL HORN MOUNT FOR 3 LIGHTS  | DIALIGHT FLX-3RSR-20DB                        | N/A                                | POLE     |
| "VAULT" LIGHT             | LED  | 120     | 28          | WALL PACK WITH POLYCARBONATE LENS. DIE-CAST ALUMINUM HOUSING. FULLY GASKETED. UL LISTED.  | LITHONIA TWP TWP LED ALO 50K STEP 4           | 111 LPW<br>3,087 LUMENS<br>5,000K  | WALL     |

| ELECTRICAL PANELBOARD SCHEDULE  |         |     |      |                     |      |      |  |      |      |            |     |         |                |
|---|---------|-----|------|---------------------|------|------|--|------|------|------------|-----|---------|----------------|
| PANEL: MPC-L4<br>VOLTAGE: 208Y/120V, 3-PHASE<br>BUS SIZE: ---<br>MAIN SIZE: 70A<br>SCCR: 18KAIC |         |     |      |                     |      |      | LOCATION: OUTSIDE WALL OF CLARIFIER NO. 3<br>MOUNTING: SURFACE<br>FED FROM: PANEL H3<br>MAIN TYPE: CIRCUIT BREAKER<br>NOTE: ALTERNATIVELY, SPD MAY BE INSTALLED IN AN EXTERNAL ENCLOSURE |      |      |            |     |         |                |
| CIRCUIT TITLE   | BREAKER |     |      | LOAD, VA            |      |      | LOAD, VA   |      |      | BREAKER    |     |         | CIRCUIT TITLE  |
|   | CKT NO. | AMP | POLE | PHASE               |      |      | PHASE  |      |      | POLE       | AMP | CKT NO. |                |
|   |         |     |      | A                   | B    | C    | A  | B    | C    |            |     |         |                |
| VLV-10309   | 1       | 20  | 1    | 1125                |      |      | 2000   |      |      | 1          | 50  | 2       | CPN10312       |
| VLV-10310   | 3       | 20  | 1    |                     | 1125 |      |  | 2000 |      | 1          | 50  | 4       | CPN10313       |
| VLV-10311   | 5       | 20  | 1    |                     |      | 1125 |  |      | 2000 | 1          | 50  | 6       | CPN10314       |
| VLV-10312   | 7       | 20  | 1    | 1125                |      |      | 2000   |      |      | 1          | 50  | 8       | CPN10315       |
| VLV-10313   | 9       | 20  | 1    |                     | 1125 |      |  | 2000 |      | 1          | 50  | 10      | CPN10316       |
| VLV-10314   | 11      | 20  | 1    |                     |      | 1125 |  |      | 2000 | 1          | 50  | 12      | CPN10317       |
| VLV-10304   | 13      | 20  | 1    | 1125                |      |      |  |      |      | 1          | 20  | 14      | SPARE          |
| SPARE   | 15      | 20  | 1    |                     |      |      |  | 600  |      | 1          | 20  | 16      | CPN10307       |
| SPARE   | 17      | 20  | 1    |                     |      |      |  |      |      | 1          | 20  | 18      | SPARE          |
| SPARE   | 19      | 20  | 1    |                     |      |      |  |      |      | 3          | 30  | 20      | SPD (SEE NOTE) |
| SPARE   | 21      | 20  | 1    |                     |      |      |  |      |      | --         | --  | 22      | --             |
| SPARE   | 23      | 20  | 1    |                     |      |      |  |      |      | --         | --  | 24      | --             |
| TOTAL LOAD  |         |     |      | 3375                | 2250 | 2250 | 4030   | 4600 | 4000 |            |     |         |                |
|   |         |     |      | PHASE A LOAD (VA) = |      |      | 7375   |      |      |            |     |         |                |
|   |         |     |      | PHASE B LOAD (VA) = |      |      | 6850   |      |      |            |     |         |                |
|   |         |     |      | PHASE C LOAD (VA) = |      |      | 6250   |      |      |            |     |         |                |
|   |         |     |      | TOTAL LOAD (VA)=    |      |      | 20475  |      |      | AMPS= 56.8 |     |         |                |

| ELECTRICAL<br>CLARIFIER NO. 3 PANELBOARD SCHEDULES AND LUMINAIRE SCHEDULE |            |    |         |                   |                |    |          |               |                 |
|---|------------|----|---------|-------------------|----------------|----|----------|---------------|-----------------|
| PROJECT NO. TMUA-W 18-19 C2   |            |    |         |                   |                |    |          |               |                 |
| A.B. JEWELL WTP<br>CLARIFIER NO. 3<br>IMPROVEMENTS                        |            |    |         |                   |                |    |          |               |                 |
| CITY OF TULSA, OKLAHOMA<br>ENGINEERING SERVICES<br>DEPARTMENT             |            |    |         |                   |                |    |          |               |                 |
| PLANS AND ESTIMATES PREPARED BY: <b>JACOBS</b>                            |            |    |         |                   |                |    |          |               |                 |
| VERIFY SCALE<br>BAR IS ONE INCH ON ORIGINAL DRAWING.<br>0 1"              |            |    |         |                   |                |    |          |               |                 |
| NO.   | REVISION   | BY | DATE    | PLAN SCALE:       | DRAWN          | CM | MAR 2022 | APPROVED:     |                 |
| 1   | ADDENDUM 1 | LL | 06/2022 | AS NOTED ON PLANS | DESIGNED       | BB | MAR 2022 |               |                 |
|   |            |    |         |                   | SURVEY         |    |          |               |                 |
|   |            |    |         | PROFILE SCALE:    | FIELD MGR.     |    |          |               |                 |
|   |            |    |         |                   | SECT. MGR.     |    |          |               |                 |
|   |            |    |         | HORIZONTAL:       | PROJ. MGR.     |    |          | CITY ENGINEER |                 |
|   |            |    |         |                   | RECOMMENDED:   |    |          |               |                 |
|   |            |    |         | VERTICAL          | DESIGN MANAGER |    |          |               |                 |
|   |            |    |         | FILE:             | 30-E-601       |    |          | DATE:         | MARCH 2022      |
|   |            |    |         | ATLAS PAGE NO:    | 543            |    |          | SHEET         | 58 OF 76 SHEETS |



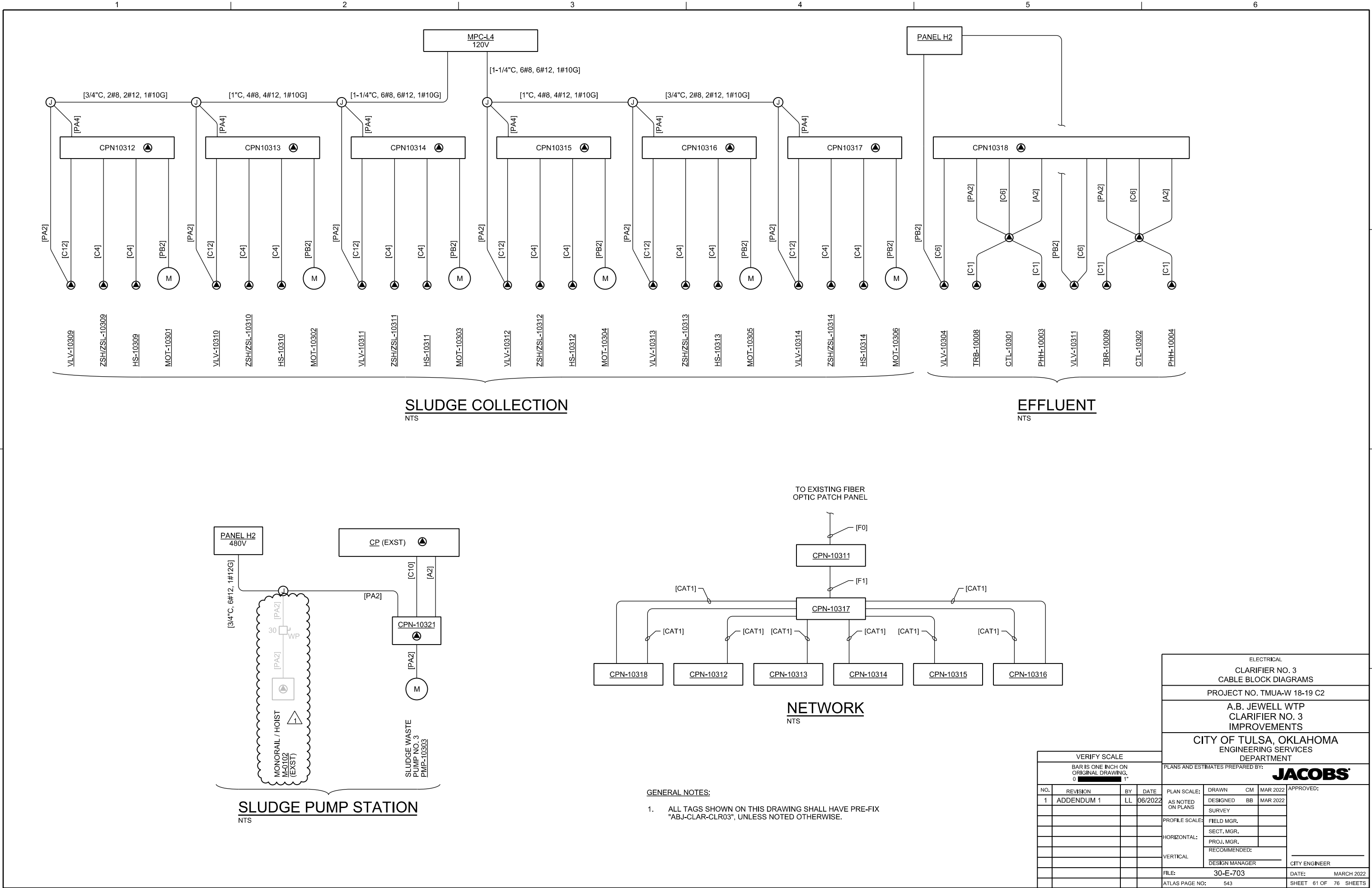
GENERAL NOTES:

- 1. ALL GROUNDS SHOWN SHALL BE TO EXISTING GROUND GRID FOR CLARIFIER NO. 3, USE #4/0 BARE COPPER CABLE.
- 2. ALL TAGS SHOWN ON THIS DRAWING SHALL HAVE PRE-FIX "ABL-CLAR-CLR03", UNLESS NOTED OTHERWISE.

KEYED NOTES:

- 1. MINI-POWER CENTER, 480V-208/120V WITH MAIN CIRCUIT BREAKER AND BOLT-ON TYPE BRANCH BREAKERS. SEE PANEL SCHEDULES FOR QUANTITIES.
- 2. FIELD CONTROL PANEL W/AFD. FIELD PANEL SHALL BE FURNISHED BY SYSTEM SUPPLIER, AND SHALL BE INSTALLED AND TERMINATED BY THE ELECTRICAL CONTRACTOR. SEE SPECIFICATION 44 44 36
- 3. POWER TERMINAL BOX IN NEMA 3R STAINLESS STEEL ENCLOSURE, WITH TERMINAL LUGS FOR THE INCOMING EXISTING CIRCUIT AND THE NEW LOAD SIDE CIRCUIT. MATCH NEW TERMINAL LUGS WITH SAME TYPE AND SIZE AS DEMOLISHED LUGS.
- 4. SLUDGE PUMP AND ASSOCIATED CONTROL PANEL SHALL HAVE PRE-FIX "ABJ-CLAR-SLG".

| VERIFY SCALE                              |          |    |      | ENGINEERING SERVICES<br>DEPARTMENT             |       |    |          |  |
|---|----------|----|------|--|-------|----|----------|--|
| BAR IS ONE INCH ON ORIGINAL DRAWING, 0 1" |          |    |      | PLANS AND ESTIMATES PREPARED BY: <b>JACOBS</b> |       |    |          |  |
| NO.                                       | REVISION | BY | DATE | PLAN SCALE:                                    | DRAWN | CM | MAR 2022 | APPROVED:<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br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SLUDGE COLLECTION

EFFLUENT

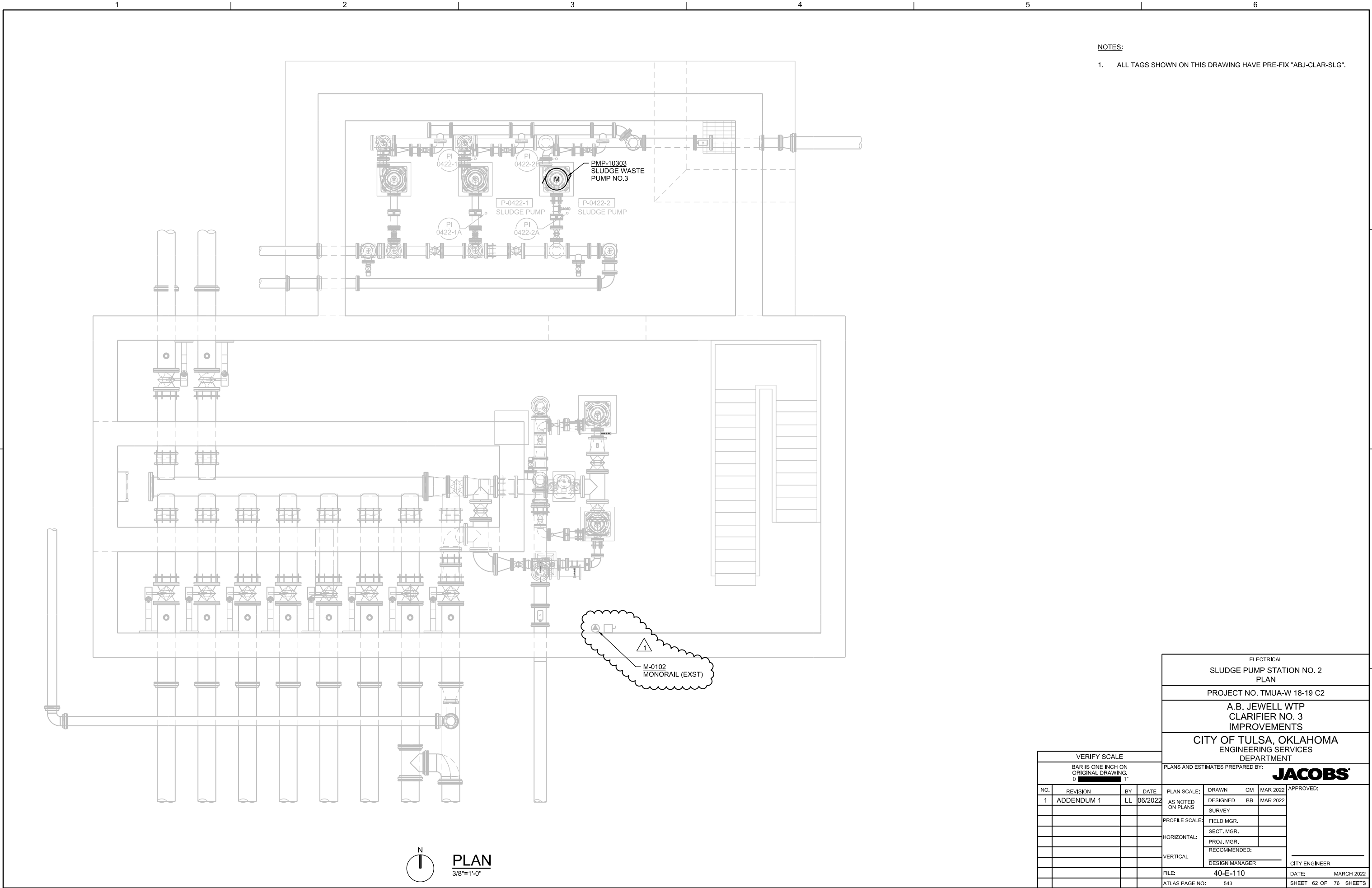
SLUDGE PUMP STATION

NETWORK

- GENERAL NOTES:
1. ALL TAGS SHOWN ON THIS DRAWING SHALL HAVE PRE-FIX "ABJ-CLAR-CLR03", UNLESS NOTED OTHERWISE.

| VERIFY SCALE                                       |          |    |      | ENGINEER'S INITIALS              |       |    |          |   |
|--|----------|----|------|----------------------------------|-------|----|----------|---|
| BAR IS ONE INCH ON ORIGINAL DRAWING.<br>0" = 1" 1" |          |    |      | PLANS AND ESTIMATES PREPARED BY: |       |    |          |   |
|  |          |    |      | DEPARTMENT                       |       |    |          |   |
|  |          |    |      | JACOBS                           |       |    |          |   |
| NO.  | REVISION | BY | DATE | PLAN SCALE:                      | DRAWN | CM | MAR 2022 | APPROVED:<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br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- NOTES:
- ALL TAGS SHOWN ON THIS DRAWING HAVE PRE-FIX "ABJ-CLAR-SLG".

| VERIFY SCALE                         |            |    |         | ELECTRICAL                              |                |    |          |
|--------------------------------------|------------|----|---------|---|----------------|----|----------|
| BAR IS ONE INCH ON ORIGINAL DRAWING. |            |    |         | SLUDGE PUMP STATION NO. 2               |                |    |          |
| 0 1"                                 |            |    |         | PLAN                                    |                |    |          |
|                                      |            |    |         | PROJECT NO. TMUA-W 18-19 C2             |                |    |          |
|                                      |            |    |         | A.B. JEWELL WTP                         |                |    |          |
|                                      |            |    |         | CLARIFIER NO. 3                         |                |    |          |
|                                      |            |    |         | IMPROVEMENTS                            |                |    |          |
|                                      |            |    |         | CITY OF TULSA, OKLAHOMA                 |                |    |          |
|                                      |            |    |         | ENGINEERING SERVICES                    |                |    |          |
|                                      |            |    |         | DEPARTMENT                              |                |    |          |
|                                      |            |    |         | PLANS AND ESTIMATES PREPARED BY: JACOBS |                |    |          |
| NO.                                  | REVISION   | BY | DATE    | PLAN SCALE:                             | DRAWN          | CM | MAR 2022 |
| 1                                    | ADDENDUM 1 | LL | 06/2022 | AS NOTED ON PLANS                       | DESIGNED       | BB | MAR 2022 |
|                                      |            |    |         |   | SURVEY         |    |          |
|                                      |            |    |         | PROFILE SCALE:                          | FIELD MGR.     |    |          |
|                                      |            |    |         |   | SECT. MGR.     |    |          |
|                                      |            |    |         | HORIZONTAL:                             | PROJ. MGR.     |    |          |
|                                      |            |    |         |   | RECOMMENDED:   |    |          |
|                                      |            |    |         | VERTICAL                                | DESIGN MANAGER |    |          |
|                                      |            |    |         | FILE:                                   | 40-E-110       |    |          |
|                                      |            |    |         | ATLAS PAGE NO:                          | 543            |    |          |
|                                      |            |    |         | APPROVED:                               |                |    |          |
|                                      |            |    |         | CITY ENGINEER                           |                |    |          |
|                                      |            |    |         | DATE: MARCH 2022                        |                |    |          |
|                                      |            |    |         | SHEET 62 OF 76 SHEETS                   |                |    |          |