



Gupta & Associates, Inc.

consulting engineers

TBPE Reg. #F-2593
13717 Neutron Road
Dallas, Texas 75244
Tel: 972-490-7661

03 January 2022

City of Pflugerville, Texas
15500 Sun Light Near Way, #B
Pflugerville, Texas 78660
Attn: Brandon Pritchett, P.E.

Re: Pflugerville Surface Water Treatment Plant Standby Generator
Change Order #01 Recommendation

Dear Mr. Pritchett:

The City Council has approved the installation of temporary rental generators at the Surface Water Treatment Plant to provide interim backup power supply until the permanently installed generator project can be completed. McDonald Municipal & Industrial (MM&I) has the contract to construct the permanently installed generator project and was requested to provide a proposed contract modification to perform the installation services not included in the generator rental agreement.

A few observations:

1. As the generator to be installed permanently at the Surface Water Treatment Plant (SWTP) will not be delivered until later this year, it was decided to pursue a rental unit to ensure adequate and reliable power in the event of a possible future power outage at the SWTP in the interim.
2. The rental agreement for the temporary generators does not include the final terminations to the SWTP electrical infrastructure.
3. Competitive pricing was obtained from contractors to provide the installation services not included in the temporary generator rental agreement as a stand-alone contract.
4. MM&I was requested to provide a proposed contract modification (see attached) in the amount of \$58,800 (see attached) to provide those installation services as a change to the existing construction contract. This proposal provides a significant savings to the City compared to the pricing obtained for a stand-alone contract.

It is our opinion that MM&I can perform this work more efficiently and at a savings to the City if it is awarded to the existing contract. It is our recommendation to approve the attached change order in the amount of \$58,800.

If there are any questions, or if you require additional information, please do not hesitate to contact us. We look forward to continue working with you on this project.

Regards,

George Luke, P.E.
Gupta & Associates, Inc.

cc: V. K. Gupta, P.E.
Andrew Reed, P.E.
Mazhar Hajizadeh

Change Order No. 01

Project Name: <u>Surface Water Treatment Plant Standby Generator</u>		Project Number: _____
Project Owner and Address:	City of Pflugerville 100 E. Main Street P.O. Box 589 Pflugerville, Texas 78691	Date of Change Order Issuance: _____ Date of Original Agreement: _____
Project Contractor and Address:	McDonald Municipal and Industrial 5044 Timber Creek Drive Houston, Texas 77017	Notice to Proceed Date: <u>01/03/2022</u> Original Substantial Date: <u>09/07/2022</u> Original Final Date: <u>10/07/2022</u> Original City Council Contract Price: <u>\$7,629,469</u>

It is agreed to modify the Contract referred to above as follows:

Description of Changes				
Item #	Description Of Changes	Deduct from Contract Price	Increase in Contract Price	Change in Contract Time
01	Furnish and install cables from Owner's Rental Generators to existing switchboard and motor control center		\$58,800	0 Days
Difference Net =			\$58,800	

*Provide attachment(s) for new items or price quotes which include Blue Book Pricing

It is agreed to modify the contract referred to as description of changes as follows:

Contract Change Summary	
Contract Price prior to this change: <u>\$7,629,469</u>	Net Increase (Decrease) of this Change Order (Days): <u>0 Days</u>
Net Increase (Decrease) of this Change Order: <u>\$58,800</u>	Revised Contract Time with all approved Change Orders: Substantial Completion Date: <u>No Change</u>
Revised Contract Price with all approved Change Orders: <u>\$7,688,269</u>	Revised Contract Time with all approved Change Orders: Final Completion Date: <u>No Change</u>

The changes included in this Change Order are to be accomplished in accordance with the terms, stipulations and conditions of the original Contract as though included therein.

Accepted for Contractor by:	Date: <div style="text-align: right; font-size: 1.2em;">03 January 2022</div>
Recommended for Approval by Engineer of Record:	Date:
Recommended for Approval by: Patricia Davis, P.E. City Engineer	Date:
Approved for Owner by: Sereniah Breland, City Manager	Attest:
Date:	Date:

Distribution: Contractor _____ File _____ Field _____ Owner _____ Other _____



Description of Changes Continued				
Item #	Description Of Changes	Deduct from Contract Price	Increase in Contract Price	Change in Contract Time
Difference Net =			\$58,800	0 Days





Mazhar Hajizadeh
Gupta & Associates Inc.

Date: 12/22/2021

Project: City of Pflugerville Surface Water Treatment Plant Temporary Connections

We are pleased to quote the electrical work associated with connecting a 1000KW rental generator and a 1500KW rental generator as indicated on GAI drawing EXH-1 for the sum of \$58,800.00 without any provisions for Kirk Key interlocks as we do not know what will be required to attached to the (2) rental switches. This price includes the following:

480V Generator

Furnish and install 20' of cable with conduit or cable tray from the 1600A rental breaker to the existing 3000A Board.

Lugs, labor, and misc. materials to terminate the cables.

5KV Generator

Furnish and install 5KV cables, conduit, and a wall penetration from the 5KV rental switch to the existing 5KV Board.

Stress cones and misc. materials to terminate the cables.

Notes:

1. All rental equipment and rental wiring to be furnished and installed by others.
2. Both rental switches/breakers to be located as close to the existing gear as possible.
3. Removal of the temporary wiring is included in this quote.
4. Testing of all new cables is included in this quote.
5. The cost of a bond is included as I assume you are considering adding it to an existing contract by way of change order.

Thanks for the opportunity to provide this quote. If you would like us to do the work please let us know as soon as you can so that we can gather up the material. At this time all material that we will need is available but that may change as a result of the ongoing global pandemic. Please let us know if you have any questions or if you need any additional information.

Regards,

Michael Clasen

C.F. McDonald Electric

Project Manager



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Proposed Contract Modification

Project:	Surface Water Treatment Plant Standby Generator		
Owner:	City of Pflugerville		
Contract No.:		PCM No.:	PCM-01
Contractor:	McDonald Municipal & Industrial (MM&I)		
Engineer:	Gupta & Associates, Inc.		
Date:	13 December 2021		
Description:	Temporary Generator Installation		

Notification to Contractor:

The Owner proposes to make the additions, modifications, or deletions to the Work described in the Contract Documents. Additional details regarding the proposed changes are shown below. We request that you take the following action within 10 calendar days:

- Submit a notification that you concur that this change does not require a change in Contract time or amount. A Field Order will be issued.
- Submit a notification that you concur that compensation for this work can be calculated from the per unit pricing provided with the Bid. Include an explanation of what impact this change will have on the Project Schedule. A Field Order will be issued.
- Submit a Price/Credit Proposal
 1. Provide a detailed cost breakdown of labor, materials, equipment and all other costs related to this change.
 2. Provide an explanation of what impact this change will have on the Project schedule.

Authorization to proceed with changes must be approved by the Owner through Change Order in accordance with the Contract Documents.

Description of proposed additions, modifications, or deletions:

The Owner proposes to make the following additions, modifications or deletions to the work described in the Contract Documents. Authorization to proceed with these changes must be approved by Field Order or Change Order in accordance with the Contract Documents, prior to commencing the work involved:

1. 480 V Temporary Generator Installation:
 - a. Provide and construct connection point to existing outdoor 480 V outdoor switchboard (SWBD-1).
 - b. Terminate temporary cables (provided by United Rentals) from the temporary 480 V generator circuit breaker enclosure to SWBD-1.
 - c. Protect temporary cables.
2. 4160 V Temporary Generator Installation:



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- a. Provide and construct incoming cable section for connection point to existing indoor 4160 V motor control center (MCLU).
- b. Terminate temporary cables (provided by United Rentals) from the temporary 4160 V generator 5 kV switch to MCLU.
- c. Protect temporary cables.

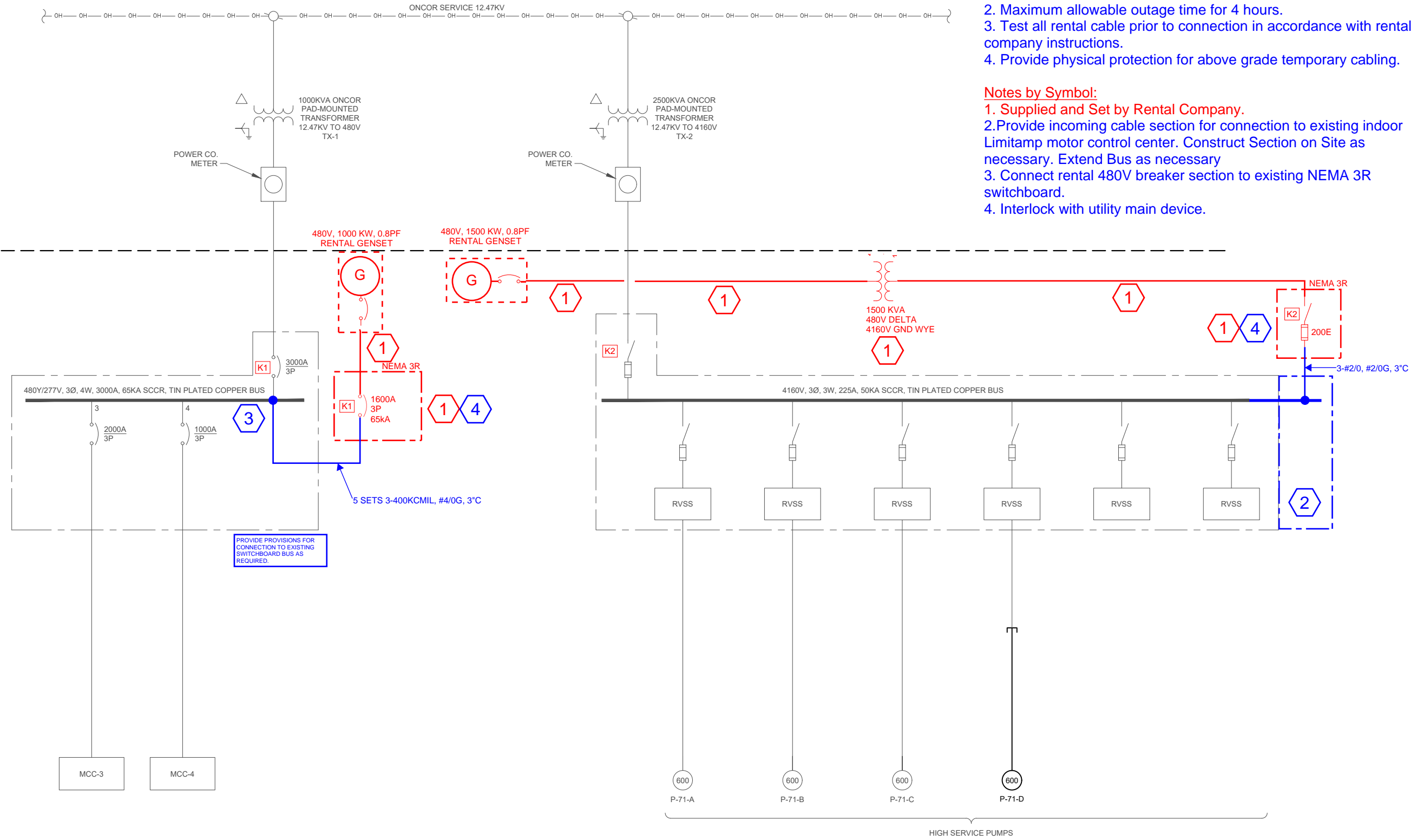
Refer to the attached drawings:

1. Temporary Generator Supplier's scope of work is shown in red.
2. Contractor's scope of work is shown in blue.

Please provide a detailed proposal for all labor, equipment, materials, all other work, and schedule impact associated with the modifications listed herein.



TBPELS Firm Registration #F-2593
13 December 2021



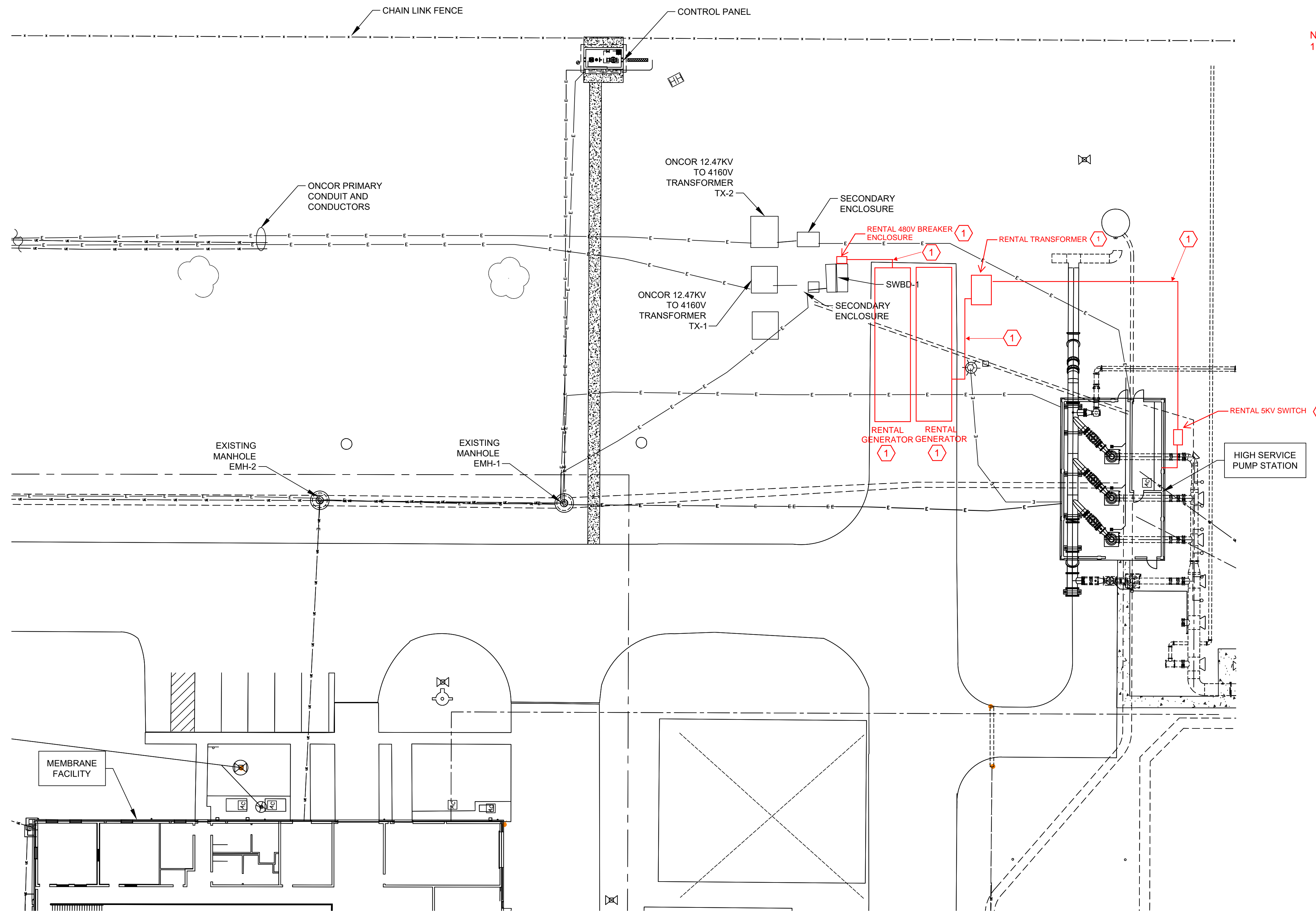
- General Notes:**
1. All cable installation and termination are the responsibility of the contractor.
 2. Maximum allowable outage time for 4 hours.
 3. Test all rental cable prior to connection in accordance with rental company instructions.
 4. Provide physical protection for above grade temporary cabling.

- Notes by Symbol:**
1. Supplied and Set by Rental Company.
 2. Provide incoming cable section for connection to existing indoor Limitamp motor control center. Construct Section on Site as necessary. Extend Bus as necessary
 3. Connect rental 480V breaker section to existing NEMA 3R switchboard.
 4. Interlock with utility main device.

EXISTING SWTP
RISER
DIAGRAM

<p>GAI Gupta & Associates, Inc. consulting engineering Registration No. F-2593</p>	<p>where quality meets life PFLUGERVILLE TEXAS</p>	<p>CITY OF PFLUGERVILLE, TEXAS PFLUGERVILLE WATER TREATMENT PLANT HIGH SERVICE PUMP STATION PUMP REHABILITATION</p>	DISCIPLINE	DATE
			<p>ELECTRICAL PFLUGERVILLE EXISTING SWTP RISER DIAGRAM</p>	<p>12-21-20 EXH-1</p>

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 12/23/2020 12:01 PM W:\Miscellaneous\1628_Pflugerville SWTP and Pump Station Generator\Report Phase\Report\Figures\1628_EXH-01.dwg, Justin Ho



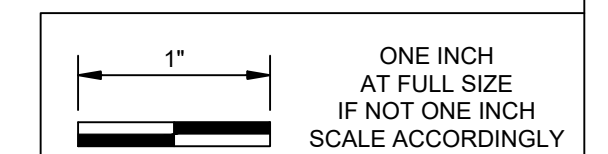
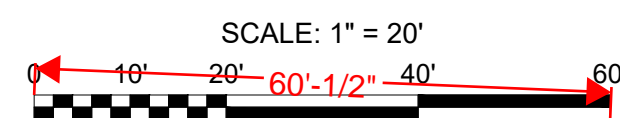
Notes by Symbol:
 1. Supplied and Set by Rental Company.



HSPS EAST EXTERIOR WALL



EXISTING SWBD-1



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REV. NO.	DATE	DRWN	REMARKS

DESIGNED BY: M. HAJIZADEH
 DRAWN BY: J. HO
 SHEET CHK'D BY: VK. GUPTA
 APPROVED BY: G. LUKE
 DATE: NOVEMBER 2021

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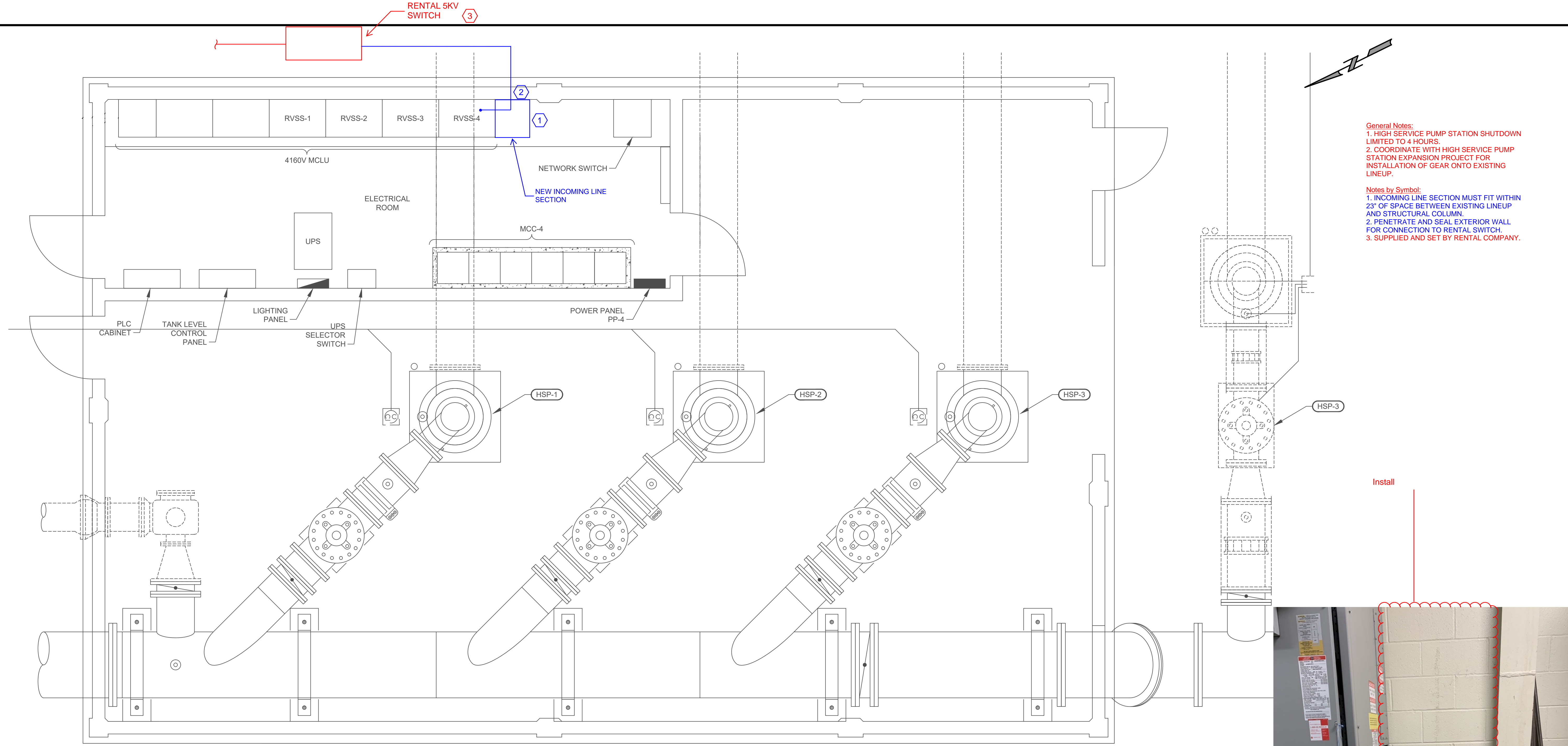


CITY OF PFLUGERVILLE, TEXAS
**CITY OF PFLUGERVILLE SURFACE
 WATER TREATMENT PLANT
 STANDBY GENERATOR**

ELECTRICAL
**ENLARGED SITE PLAN-
 DEMONLITION**

PROJECT NO. **#####**
 FILE NAME:
 SHEET NO.

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General Notes:
 1. HIGH SERVICE PUMP STATION SHUTDOWN LIMITED TO 4 HOURS.
 2. COORDINATE WITH HIGH SERVICE PUMP STATION EXPANSION PROJECT FOR INSTALLATION OF GEAR ONTO EXISTING LINEUP.

Notes by Symbol:
 1. INCOMING LINE SECTION MUST FIT WITHIN 23" OF SPACE BETWEEN EXISTING LINEUP AND STRUCTURAL COLUMN.
 2. PENETRATE AND SEAL EXTERIOR WALL FOR CONNECTION TO RENTAL SWITCH.
 3. SUPPLIED AND SET BY RENTAL COMPANY.

EXISTING HIGH SERVICE PUMP STATION
 PLAN
 SCALE: 3/8" = 1'-0"
 0 1' 2' 5' 8'



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CITY OF PFLUGERVILLE, TEXAS
 CITY OF PFLUGERVILLE SURFACE WATER TREATMENT PLANT
 STANDBY GENERATOR



ELECTRICAL
 EXISTING HIGH SERVICE PUMP STATION
 DEMOLITION PLAN

PROJECT NO. #####
 FILE NAME: 1628_20DE01
 SHEET NO.
 20DE01
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