

**City of Pflugerville**



**Wilbarger Creek Regional Wastewater  
Treatment Facility Phase 1**

**Guaranteed Maximum Price (GMP) #2**

**April 18, 2024**



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RECORD OF AMENDMENT				
Rev	Revision Description	Revision Date	Checker	Approver
0	GMP1 Proposal to CoP	4/18/24	T. Young	P. Bailey
1	Update to Address City Team 4/26/24 comments	5/7/24	T. Young	P. Bailey
2	Final Update to Address City Team 5/15/24 comments	5/22/24	T. Young	P. Bailey

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**CURRENT REVISION  
APPROVAL TO ISSUE**

**Revision Description**  
Final GMP2 Proposal

**Date**  
May 22, 2024

*This is to confirm that this Guaranteed Maximum Price Proposal has been prepared, reviewed, and approved in accordance with internal quality procedures and directives.*

**Prepared By**

  
Triston R. Young  
Preconstruction Manager

**Approved By**

  
Peter Bailey  
Project Executive

**Mr. Brandon Pritchett**  
**Public Utility Director, City of Pflugerville**  
**15500 Sun Light Near Way**  
**Pflugerville, TX 78691**

**Re: WCRWWTF Phase 1 Construction – Guaranteed Maximum Price Proposal #2 & Commercial Offer to Reduce Guaranteed Maximum Price.**

**Dear Mr. Pritchett:**

PLW Waterworks is pleased to submit our Guaranteed Maximum Price (GMP 2) Proposal for the work required to construct the referenced project.

***This GMP Proposal Includes:***

- Section 1 provides a full cost breakdown for all direct construction costs (Tier 1 subcontracts and self-perform work), general conditions cost summary, logistics cost summary and summary of all allowance items.
- Section 2 provides a schedule summary for the complete project (GMP 1 and GMP 2).
- Section 3 provides a summary of all plans, specifications, assumptions, and clarifications used to develop this GMP.

***The following GMP assumptions are noted for clarity:***

- As agreed, PLW Waterworks will be awarded packages BOP1, BOP2, BOP3 and BOP7 and the General Conditions Labor and Logistics costs for GMP1 & GMP2 will be converted to Lump Sum for a reduction in the General Conditions Cost by \$1,000,000 and a reduction in the Contingency cost of \$1,000,000. These adjustments are documented in Exhibit A.3.
- The reduction in Contingency cost is driven by PLW's ability to control overall project schedule. The City has agreed that GMP1 & GMP2 General Conditions & Logistics can be converted to Lump Sum provided any overrun in the schedule, within PLW's control, that impacts General Conditions Labor and Logistics costs will be PLW's responsibility. For clarity, Exhibit A.4 provides a summary of these costs.
- All allowances have been clearly defined in this proposal. Any funds included as allowances that are not used, will be fully tracked, and transferred to the project contingency for the overall project. All unused funds will be returned to the City of Pflugerville at project completion. Please note that the allowances have been updated in Exhibit A.5 based on final discussion and clarification.
- The cost for BOP7 in the Cost Summary reflects the commercial offer for awarding four self-perform packages submitted to the City of Pflugerville on April 8, 2024. For the storm piping in BOP 7, PLW Waterworks will work with the design team to finalize materials (Hobas, Box Culvert or RCP). The current proposed price will not increase for these final material selections. PLW Waterworks will install the work in this bid package in accordance with the Contract Documents.
- For the process equipment that has been selected and approved by the City of Pflugerville, PLW Waterworks has responsibility to provide complete and fully operational process systems.



If necessary, the defined allowances will be used first. If additional costs are incurred, those amounts will be paid with the CMAR Contingency funds.

- Bond & Insurance cost, as defined by contract, is 2.5% of Contract Value. If the final cost of work is lower than the GMP amount, then this cost would be adjusted accordingly.
- PLW has included an additional reduction of contingency cost in the amount of \$150,000 based on the City issuance of NTP for all GMP 2 work on July 1, 2024. PLW Waterworks will, to the best of its ability, work throughout the project to maintain the GMP1 Project Milestones including, but not limited to monthly progress schedule updates identifying critical path work and development of schedule recovery plans if requested by the City.
- Further, it is agreed that the major contract schedule milestones (raw water seeding, substantial completion and final completion) are set in accordance with the schedule presented in Exhibit B.1. For clarity, the major milestones are as follows:
  - » NTP for GMP 2 work – July 1, 2024
  - » Seeding and Raw Water Flow Milestone – September 24, 2026  
PLW and the City agreed to revisit this milestone date following Project Team coordination and consensus on the detailed elements of the Plant Commissioning & Startup Schedule. Consideration for extending this milestone will be limited to no more than 35 days, if necessary. All parties acknowledge that changes to this interim milestone will not impact the Project Substantial Completion and Project Final Completion milestones.
  - » Project Substantial Completion – March 8, 2027
  - » Project Final Completion – May 7, 2027
- CMAR Fee, per the City of Pflugerville's Contract with PLW Waterworks, is calculated as a markup on the total cost of work and the sum is referred to in the Contract as the Guaranteed Maximum Price.

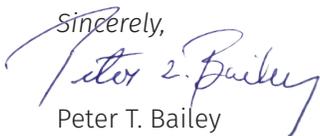
**For clarity, the following summary of GMP 1 & 2 contingent cost totals are provided:**

Project Contingency (GMP 2 Contingency has been reduced by \$1,150,000, per notes above)

- » GMP 1 - \$1,106,651.46
- » GMP 2 - \$3,926,322.84
- » GMP Total - \$5,032,974.30

Should you have any questions regarding this proposal, please feel free to contact me.

Sincerely,



Peter T. Bailey  
Executive Vice President  
PLW Waterworks, LLC



# GUARANTEED MAXIMUM PRICE OUTLINE

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## Section 1: Cost

Exhibit A.1 – GMP Breakdown and Work Package Cost Summary

Exhibit A.2 – Cost Detail

### *Work Package Documentation*

Exhibit A.3 – General Conditions Labor Summary Report

Exhibit A.4 – Site Logistics Summary Report

## Section 2: Schedule

Exhibit B.1 – Schedule Summary

## Section 3: Contract Documents

Exhibit C.1 – List of Plans

Exhibit C.2 – List of Specifications

Exhibit C.3 – Assumptions and Clarifications

# Section 1: Cost

**Exhibit A.1      GMP Breakdown and  
Work Package Cost Summary**



## City of Pflugerville, Texas: Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)

Guaranteed Maximum Price 2 Proposal Cost Summary					
Purchase Phase	Bid Pkg	Description	PO / SA	Recommended Vendor	GMP Price
GMP 2	BOP1-01.01	Area 1 - Influent Facilities	SA	PLW Waterworks	\$ 28,590,000.00
GMP 2	BOP1-01.01	ILS Drilled Piers	SA	PLW Waterworks	\$ 38,136.00
GMP 2	BOP1-01.01	Alternate Junction Box & Influent Pipe	SA	PLW Waterworks	\$ 2,035,000.00
GMP 2	BOP1-01.01	Trench Safety for Junction Box & Influent Pipe	SA	PLW Waterworks	\$ 560.00
GMP 2	BOP2-01.01	Area 2 - Aeration Facilities	SA	PLW Waterworks	\$ 21,944,000.00
GMP 2	BOP3-01.01	Area 3, 4, & 5 - Secondary, Tertiary, & Solids Facilities	SA	PLW Waterworks	\$ 32,222,000.00
GMP 2	BOP3-01.01	Alternate F55-1: Supplemental Post Aeration	SA	PLW Waterworks	\$ 275,118.28
GMP 2	BOP6-01.01	Area 6 - Commercial Buildings	SA	Surius Building Company	\$ 7,467,021.13
GMP 2	BOP7-01.01	Yard Pipe Package (w/ Weiss Lane Lift Station Decommissioning)	SA	PLW Waterworks	\$ 16,837,000.00
GMP 2	BOP8-01.01	Electrical and Instrumentation & Control	SA	T. Morales Company	\$ 34,108,000.00
GMP 2	BOP8-01.01	Alternate F55-1: Supplemental Post Aeration	SA	T. Morales Company	\$ 89,000.00
GMP 2	BOP9-01.01	Site Work	SA	WPM Construction Services	\$ 5,590,528.00
GMP 2	BOP11-01.01	HVAC - Site Wide	SA	Garland Heating & Air Conditioning	\$ 3,705,000.00
GMP 1	EWP2-31.02	Fine Bubble Fixed-Grid Aeration Equipment - Base Design	PO	Aquarius Technologies / EI2	\$ (58,000.00)
GMP 2	Allowance 3	GMP2 Allowances	AL		\$ 1,710,796.00
GMP 2	GC	General Conditions	N/A		\$ 19,181,639.78
GMP 2	LGT	Site Logistics	N/A		\$ 3,236,923.54
<b>SUBTOTAL COST OF WORK</b>					<b>\$ 176,972,722.73</b>
<b>CONTRACTOR FEES</b>					
CMAR Fee			9.00%		\$ 15,927,545.05
Bonds & Insurance			2.50%		\$ 5,076,322.84
Contingency					\$ 3,926,322.84
<b>GMP2 TOTAL</b>					<b>\$ 201,902,913.45</b>
<b>GMP1 Contract Amendment <sup>1</sup></b>					<b>\$ 45,768,402.48</b>
<b>TOTAL CONTRACT VALUE (GMP1 + GMP2)</b>					<b><u>\$ 247,671,315.93</u></b>

1 - Previously Approved by Council

# Exhibit A.2 Cost Detail

# BOP1-01.01 Package

- » Recommendation Letter
- » Package Comparison Chart
- » Recommended Bidder
  - Bid Form
  - Proposal



3755 S. Capital of Texas Highway  
Suite 325  
Austin, TX 78704  
TEL 512.485.0009  
FAX 512.485.0010  
[www.GarverUSA.com](http://www.GarverUSA.com)

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April 29, 2024

Jeff Dunsworth, P.E., CFM  
City Engineer  
City of Pflugerville  
15500 Sun Light Near Way  
Suite B, Bldg 6  
Pflugerville, Texas 78660

Re: City of Pflugerville  
PLW Job No.: P5K  
Recommendation of Award  
WCRWWTF Phase 1 Construction – GMP2 – BOP 1-01.01

Dear Mr. Dunsworth:

The purpose of this letter is to provide a recommendation of award to the Construction Manager at-Risk (CMAR), PLW Waterworks, Inc. (PLW), to Self-Perform Balance of Plant Package 1-01.01 for Area 1 - Influent Facilities (Influent Lift Station, Headworks, Foul Odor) on the Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF) for the Guaranteed Maximum Price No. 2 (GMP 2).

The Balance of Plant Package (BOP) started advertisement on January 9, 2024; bids were required to be delivered for BOP 1-01.01 - Influent Facilities work package on March 15, 2024. One sealed bid was received on BOP 1-01.01 for Influent Facilities.

Garver has participated with the City Team, including City Staff, the Owner's Representative (STV), and Construction Manager (Ardurra). The team reviewed the bid, provided the scoring evaluation, and has recommended award of BOP 1-01.01 to PLW Waterworks. STV has prepared a summary of the evaluation and award process. Garver has reviewed the letter and concurs with the scoring process and evaluation indicated.

In summary, Garver has completed review of the BOP 1-01.01 and recommends PLW to conduct self-performance in the amount of \$28,590,000.00 (or alternate value as reflected through further negotiation of the BOP Package) for award. The package shall be provided in accordance with the contract plans and specifications and any deviations from the contract plans and specifications shall be at PLW's risk and cost. PLW is the CMAR responsible for providing a complete and operational project as specified in the Contract Documents and acceptance of these work packages does not alleviate the CMAR's responsibility in any way, of providing the City a complete and operational project as specified in the Contract Documents.

City of Pflugerville  
Wilbarger Creek Regional Wastewater Treatment Facility Phase 1  
PLW Job No. P5K  
Recommendation of Award – GMP2-BOP 1-01.01  
April 29, 2024  
Page 2 of 2

If you have any questions, please contact me at 210.447.6253 or at [gtswoboda@garverusa.com](mailto:gtswoboda@garverusa.com).

Sincerely,

A handwritten signature in blue ink that reads "Greg J. Swoboda". The signature is written in a cursive style.

Greg Swoboda, P.E.  
Project Manager  
GARVER, LLC

Xc: Romulus Atanasiu, City of Pflugerville  
Brandon Pritchett, City of Pflugerville  
Ryan Owen, STV  
Dawn Anderson, STV  
Denise Miller, STV  
Yue Sun, Ardurra  
Dean Gorell, Ardurra  
Tyson Hann, Garver

**Date:** 04/23/24

**Project Name:** City of Pflugerville Wilbarger Creek Regional Wastewater Treatment Facility Phase 1 Construction – BOP1-01.01 Package

**Owner:** City of Pflugerville

**Contact:** Jeff Dunsworth, P.E. City Engineer

**Pflugerville Project No:** 103

**TWDB CWSRF Project No:** 73898

**Recommendation:** PLW Waterworks to Self-Perform

Dear Mr. Dunsworth:

The purpose of this letter is to provide a recommendation of award to the Construction Manager-at-Risk, PLW Waterworks to self-perform BOP1-01.01 Influent Facilities. Kimley-Horn issued Design Revision 7A, as part of Addendum No. 2, which incorporated a 10’x10’ concrete junction box and 80 linear feet of 54-inch Fiberglass Reinforced Polymer wastewater line into the WC RWWTF Contract Documents, which was previously included in the Wilbarger Creek Wastewater Interceptor project. Given the proximity and overlapping construction schedules of this structure and pipeline to the RWWTF Influent Lift Station, PLW Waterworks, recommended the two structures and pipe be constructed together.

The junction box and pipeline were bid as an alternate on the package. Trench safety was an alternate bid separately by linear-foot per Texas Water Development Board requirements.

The PLW Waterworks bid for BOP1-01.01 Influent Facilities summary is as follows:

Base Bid	\$28,590,000.00
Alternate: ILS Drilled Piers	\$38,136.00
Alternate: Influent Junction Box and 54” Pipe	\$2,035,000.00
Alternate: Influent Junction Box and Pipe Trench Safety	\$560.00
<b>Total</b>	<b>\$30,663,696.00</b>

PLW Waterworks was the sole bidder for this package of the overall project and the bid the Kimley-Horn scope of work, Alternate Junction Box, Pipe, and Trench safety for a total of \$2,035,560. This estimate was under the engineer’s estimate of approximately \$2,315,000.

Based on the outcome of this bid , we recommend that PLW Waterworks be selected to construct these improvements at the bid price listed above.

If you have any questions or comments, please contact me at the phone number or email provided below.

By: 

Lance Parisher, P.E.

[lance.parisher@kimley-horn.com](mailto:lance.parisher@kimley-horn.com)

737-263-2017

Triston Bing-Young  
Dean Gorell  
Dawn Anderson  
Ryan Owen

PLW  
Ardurra  
STV  
SN

virtual  
virtual  
virtual  
In Person



Bid Tab - City of Pflugerville WCRWWTF Phase I Construction  
CMAR - Balance of Plant (BOP) Package

Present During Bid Proposal Opening:

Name of Attendee

Employer

In Person or Virtual

Package: BOP1-01.01\_Area 1 Package  
Date: 3/15/24  
Time: 11:00 am

RICHARD WILLIAMS	PLW	In Person
MARIA LOPEZ	PLW	In Person
MIKE RUSS	STV	In Person
VEFF L. DUNSWORTH	COE	In Person

Bid Proposal Package Checklist	Offeror 1	Offeror 2	Offeror 3
Offeror Name	PLW Waterworks		
Completed Bid Form	Y		
City of Pflugerville Bid Bond	Y		

Section 1 - Direct Costs													
Bid Item	Description	Quantity	U/M	Unit Price	Total	Quantity	U/M	Unit Price	Total	Quantity	U/M	Unit Price	Total
<b>Total Base Proposal Price</b>					2,959,000.00								
Section 2 - Alternatives & Value Engineering													
Bid Item	Description	Quantity	U/M	Unit Price	Total	Quantity	U/M	Unit Price	Total	Quantity	U/M	Unit Price	Total
1	F-13-1: Alternate Odor Control	1	LS		\$ (521,327.40)	1	LS		\$ -	1	LS		\$ -
2	ILS Drilled Piers	1	LS		\$ 38,136.00	1	LS		\$ -	1	LS		\$ -
3	Junction Box & Influent Pipe (Addendum 02)	1	LS		\$ 2,035,000.00	1	LS		\$ -	1	LS		\$ -
4	Addendum 02 - Trench Safety	80	LF		\$ 560.00		LF		\$ -		LF		\$ -
5					\$ -				\$ -				\$ -
6					\$ -				\$ -				\$ -

The contents of each opened Bid Proposal Package were verified at the Bid Proposal Opening as attested by signature below. The final award of the contract will be based on the evaluation of the bids that provide the best value to the City of Pflugerville on the WCRWWTF Phase I Construction project as indicated in the Contract Documents.

Bid Proposal Opening Verification:	VEFF L. DUNSWORTH	[Signature]	3/15/24
	Printed Name	Signature	Date
	RANDY RITCHETT	[Signature]	3/15/24
	Printed Name	Signature	Date
	Printed Name	Signature	Date
Bid Proposal Opening Verification Witnessed by:	Jessica Taylor	[Signature]	3/15/24
	Printed Name	Signature	Date
	Printed Name	Signature	Date



# **PLW Self-Perform**



**Request For Proposal  
Bid Form - Subcontractors**

3/14/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

**PACKAGE NO.:** BOP1-01.01  
**PACKAGE DESCRIPTION:** Area 1 - Influent Lift Station, Headworks, Foul Odor  
**PROPOSER'S COMPANY NAME:** PLW Waterworks, LLC

The undersigned, having carefully examined the Proposal Documents and the site of the proposed Work, and being familiar with existing conditions and obstacles under which the Work is to be performed, hereby offers and agrees to furnish all labor, materials, and services necessary to execute the proposed Work and has included all costs associated therewith in the preparation of its Proposal.

**TOTAL BASE PROPOSAL PRICE:**

In Words: Twenty-Eight Million Five Hundred Ninety Thousand Dollars  
 In Figures: \$ \$ 28,590,000.00

SECTION 1 - DIRECT COST				
ITEM	DESCRIPTION	QTY	UNIT	COST
1	Division 1 - General Conditions	1	LS	\$ 1,673,656.00
2	Division 1 - Quality Control Testing & Inspection	1	LS	\$ -
3	Division 1 - Startup & Commissioning	1	LS	\$ -
4	Division 1 - Mob/Demob	1	LS	\$ -
5	Division 1 - Trench Safety <small>(Must provide unit cost, per TWDB)</small>	200	LF	\$ 5,400.00
	<b>Influent Lift Station #1 (Facility 10)</b>			<b>\$ 17,261,686.00</b>
6	Division 2 - Site Construction	1	LS	\$ 1,726,748.07
7	Division 3 - Concrete	1	LS	\$ 9,398,998.08
8	Division 4 - Masonry	1	LS	\$ -
9	Division 5 - Metals	1	LS	\$ 924,388.68
10	Division 6 - Wood & Plastics	1	LS	\$ -
11	Division 7 - Thermal & Moisture Protection	1	LS	\$ -
12	Division 8 - Openings	1	LS	\$ -
13	Division 9 - Finishes	1	LS	\$ 1,097,086.92
14	Division 10 - Specialties	1	LS	\$ 16,820.99
15	Division 11 - Process Equipment	1	LS	\$ 149,859.28
16	Division 12 - Furnishings	1	LS	\$ -
17	Division 13 - Special Construction	1	LS	\$ -
18	Division 14 - Conveying Systems	1	LS	\$ 99,174.54
19	Division 15 - Process Mechanical/Building Mechanical	1	LS	\$ 3,848,608.98
20	Division 16 - Electrical	1	LS	\$ -
	<b>Headworks #1 (Facility 12)</b>			<b>\$ 6,702,105.00</b>
21	Division 2 - Site Construction	1	LS	\$ 175,036.20
22	Division 3 - Concrete	1	LS	\$ 2,577,797.18
23	Division 4 - Masonry	1	LS	\$ -
24	Division 5 - Metals	1	LS	\$ 1,025,608.18
25	Division 6 - Wood & Plastics	1	LS	\$ -
26	Division 7 - Thermal & Moisture Protection	1	LS	\$ -
27	Division 8 - Openings	1	LS	\$ -
28	Division 9 - Finishes	1	LS	\$ 764,918.56
29	Division 10 - Specialties	1	LS	\$ -



**Request For Proposal  
Bid Form - Subcontractors**

3/14/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

30	Division 11 - Process Equipment	1	LS	\$	746,053.59
31	Division 12 - Furnishings	1	LS	\$	-
32	Division 13 - Special Construction	1	LS	\$	-
33	Division 14 - Conveying Systems	1	LS	\$	44,229.42
34	Division 15 - Process Mechanical/Building Mechanical	1	LS	\$	1,368,462.23
35	Division 16 - Electrical	1	LS	\$	-
<b>Influent Foul Air Facility #1 (Facility 13)</b>				<b>\$</b>	<b>2,042,223.00</b>
36	Division 2 - Site Construction	1	LS	\$	29,483.51
37	Division 3 - Concrete	1	LS	\$	491,336.34
38	Division 4 - Masonry	1	LS	\$	-
39	Division 5 - Metals	1	LS	\$	-
40	Division 6 - Wood & Plastics	1	LS	\$	-
41	Division 7 - Thermal & Moisture Protection	1	LS	\$	-
42	Division 8 - Openings	1	LS	\$	-
43	Division 9 - Finishes	1	LS	\$	16,600.22
44	Division 10 - Specialties	1	LS	\$	-
45	Division 11 - Process Equipment	1	LS	\$	1,301,359.98
46	Division 12 - Furnishings	1	LS	\$	-
47	Division 13 - Special Construction	1	LS	\$	-
48	Division 14 - Conveying Systems	1	LS	\$	-
49	Division 15 - Process Mechanical/Building Mechanical	1	LS	\$	203,443.32
50	Division 16 - Electrical	1	LS	\$	-
<b>ILS/HW Electrical Building #1 (Facility 14)</b>				<b>\$</b>	<b>904,930.00</b>
51	Division 2 - Site Construction	1	LS	\$	47,586.15
52	Division 3 - Concrete	1	LS	\$	141,661.25
53	Division 4 - Masonry	1	LS	\$	269,161.79
54	Division 5 - Metals	1	LS	\$	96,504.25
55	Division 6 - Wood & Plastics	1	LS	\$	-
56	Division 7 - Thermal & Moisture Protection	1	LS	\$	193,319.31
57	Division 8 - Openings	1	LS	\$	45,605.88
58	Division 9 - Finishes	1	LS	\$	107,820.62
59	Division 10 - Specialties	1	LS	\$	3,270.95
60	Division 11 - Process Equipment	1	LS	\$	-
61	Division 12 - Furnishings	1	LS	\$	-
62	Division 13 - Special Construction	1	LS	\$	-
63	Division 14 - Conveying Systems	1	LS	\$	-
64	Division 15 - Process Mechanical/Building Mechanical	1	LS	\$	-
65	Division 16 - Electrical	1	LS	\$	-
<b>CONSTRUCTION BASE PRICE PROPOSAL TOTAL</b>				<b>\$</b>	<b>28,590,000.00</b>
66	Bonds				
67	Taxes (non-permanent material)				
				<b>TOTAL BASE PROPOSAL PRICE</b>	<b>\$ 28,590,000.00</b>
<b>SECTION 2 - ALTERNATES &amp; VALUE ENGINEERING</b>					
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>UNIT</b>	<b>COST</b>	



**Request For Proposal**

3/14/2024

**Bid Form - Subcontractors**

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

1 F13-1: Alternate Odor Control	1 LS	\$	(521,327.40)
2 ILS Drilled Piers	1 LS	\$	38,136.00
3 Junction Box & Influent Pipe (Issued via Addendum 02)	1 LS	\$	2,035,000.00
4 Trench Safety for Junction Box & Influent Pipe (Must provide unit cost, per TWDB)	80 LF	\$	560.00
5		\$	-
6		\$	-

**SECTION 3 - ADDENDA**

Acknowledge Receipt of Addenda by Adding Date Issued and Initial below:	Initial	Date
Addendum No. 1	PB	1/11/2024
Addendum No. 2	PB	1/12/2024
Addendum No. 3	PB	1/17/2024
Addendum No. 4	PB	1/26/2024
Addendum No. 5	PB	2/1/2024
Addendum No. 6	PB	2/9/2024
Addendum No. 7	PB	2/19/2024
Addendum No. 8	PB	2/28/2024
Addendum No. 9	PB	3/6/2024

**SECTION 4 - ASSUMPTIONS AND CLARIFICATIONS**

Please list all Assumptions & Clarifications below (Add additional line items as necessary)

**In the event that PLW Waterworks is selected to negotiate multiple packages, PLW is willing to discuss potential General 1 Conditions efficiencies that may be realized.**

- Supplier for Refrigerated Sampler Equipment can only provide a 24 months from shipment date.
- Manufacturer indicated that no special tools are required for section 2.6  
Epoxy Novolac coating are included for the following headworks areas : all Upper level Channels, Grit Chambers, Influent and
- Effluent Boxes per addendum #6 RFI responses.
- We have assumed that all galvanized steel is not to receive additional protective coatings.
- A containment liner for the biofilter was not specified. BLT Liners PP-45 Containment Liner is included.
- FRP ductwork thicknesses shall be based on Daniel Company's PE stamped calculations.
- Hinge access for Aluminum Cover hatches utilize an integral single solid extrudes hinge flush with the top of cover panel.
- Dewatering will occur only within the caisson during installation.
- Building signage is not included in this package
- One davit crane is included based on removal of second crane at Headworks shown in Design Revision 9.  
Pipe support structures and monorail structural support system on the top of Influent Lift Station are to be galvanized and
- pipe supports within the Influent Lift Station wet well vertical pipe structural support is to be Stainless Steel 316  
High plume dilution stack named manufacturer, MK Plastics, included FRP piping fabrication by non-named manufacturer,
- Perry.
- MK Plastics High plume dilution stack includes a one year warranty.
- Monorails and hoists included are manufactured by Harrington. Detroit will manufacture the wire rope hoist/trolley.
- Separate bonds are not included for CMAR self-perform packages.

**SECTION 5 - ADDITIONAL TERMS AND PROVISIONS**

This Proposal shall be valid for a period of not less than ninety (90) days from the Bid Due Date as amended.  
This contract is contingent upon the release of funds from the Texas Water Development Board (TWDB).



**Request For Proposal  
Bid Form - Subcontractors**

3/14/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

The CMAR reserves the right to reject any and all Bids, to waive any and all informalities not involving price, time, or changes in the Work, and to negotiate contract terms with the Successful Bidder and the right to disregard all nonconforming, nonresponsive, unbalanced, or conditional Bids. Also, the CMAR reserves the right to reject the Bid of any Bidder if the CMAR believes that it would not be in the best interest of the Project to make an award to that Bidder, whether because the Bid is not responsive, or the Bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established by the CMAR. In evaluating Bids, the CMAR will consider the qualifications of the Bidders, whether the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.

**OWNER REQUIRED- Due to TWDB being the project funding source:**

Agreed to Current TWDB-0551 Supplemental Conditions (yes or no):	<input type="checkbox"/>
Agreed to American Iron & Steel Requirements of This Contract (yes or no):	<input type="checkbox"/>
Agreed to Davis-Bacon Wage Rate Requirements of the Contract (yes or no):	<input type="checkbox"/>
Agreed to Current EPA Fair Share Policy and Fair Share Goals (yes or no):	<input type="checkbox"/>

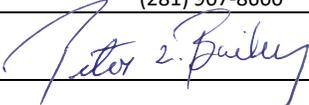
**PLW TERMS & CONDITIONS:**

Agreed to PLW Terms and Conditions (yes or no):	<input type="checkbox"/>
-------------------------------------------------	--------------------------

If NO- Please attach a **Request for Modifications/Sample Subcontract Markup** to this bid.

**Additional Information:**

Percentage of MWDBE Participation Provided as a Part of This Bid:	<input type="text" value="0%"/>
-------------------------------------------------------------------	---------------------------------

Company Name:	<u>PLW WATERWORKS LLC</u>
Contact Name and Title	<u>Peter Bailey, Executive Vice President</u>
Contact Phone Number:	<u>(281) 907-8600</u>
Signature	<u></u>

<b>Bid Evaluation Criteria:</b>	<b>Weighting Value</b>
<b>Description</b>	
<b>Cost Proposal</b>	
Complete Bid Package Cost <i>(Lowest Price/Evaluated Proposal Price) x Points Available = Score</i>	50 Points
<b>Technical Proposal</b>	
Safety (EMR & TRIR) <i>(Provide your current Workers Compensation Experience Rating (EMR) and current Total Recordable Incident Rate (TRIR) and attached additional supporting data)</i>	10 Points
Experience and Qualifications <i>(Provide Subcontractor Information Form, Project Approach and Schedule)</i>	30 Points
<b>Compliance with Proposal Terms and Conditions</b>	
Conformance with Bid Package Requirements <i>(Any exclusions to the contract documents or design requirements Need to be listed on company's letterhead and submitted with the proposal.)</i>	10 Points
<b>TOTAL</b>	<b>100 Points</b>

# BOP2-01.01 Package

- » Recommendation Letter
- » Package Comparison Chart
- » Recommended Bidder
  - Bid Form
  - Proposal
- » Bidder 2
  - Bid Form
  - Proposal



3755 S. Capital of Texas Highway  
Suite 325  
Austin, TX 78704  
TEL 512.485.0009  
FAX 512.485.0010  
[www.GarverUSA.com](http://www.GarverUSA.com)

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April 29, 2024

Jeff Dunsworth, P.E., CFM  
City Engineer  
City of Pflugerville  
15500 Sun Light Near Way  
Suite B, Bldg 6  
Pflugerville, Texas 78660

Re: City of Pflugerville  
PLW Job No.: P5K  
Recommendation of Award  
WCRWWTF Phase 1 Construction – GMP2 – BOP 2-01.01

Dear Mr. Dunsworth:

The purpose of this letter is to provide a recommendation of award to the Construction Manager at-Risk (CMAR), PLW Waterworks, Inc. (PLW), to Self-Perform Balance of Plant Package 2-01.01 for Area 2 - Aeration Basin and Aeration Blower Facility on the Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF) for the Guaranteed Maximum Price No. 2 (GMP 2).

The Balance of Plant Package (BOP) started advertisement on January 9, 2024; bids were required to be delivered for BOP 2-01.01 Aeration Facilities work package on March 15, 2024. Two sealed bids were received on the BOP 2-01.01 for Aeration Facilities from PLW, and McCarthy for \$21,944,000.00 and \$35,850,344, respectively.

Garver has participated with the City Team, including City Staff, the Owner's Representative (STV), and Construction Manager (Ardurra). The team reviewed the bid, provided the scoring evaluation, and has recommended award of the BOP 2-01.01 to PLW Waterworks. STV has prepared a summary of the evaluation and award process. Garver has reviewed the letter and concurs with the scoring process and evaluation indicated.

In summary, Garver has completed review of the BOP 2-01.01 and recommends PLW to conduct self-performance in the amount of \$21,944,000.00 (or alternate value as reflected through further negotiation of the BOP Package) for award. The package shall be provided in accordance with the contract plans and specifications and any deviations from the contract plans and specifications shall be at PLW's risk and cost. PLW is the CMAR responsible for providing a complete and operational project as specified in the Contract Documents and acceptance of these work packages does not alleviate the CMAR's responsibility in any way, of providing the City a complete and operational project as specified in the Contract Documents.

City of Pflugerville  
Wilbarger Creek Regional Wastewater Treatment Facility Phase 1  
PLW Job No. P5K  
Recommendation of Award – GMP 2-BOP 2-01.01  
April 29, 2024  
Page 2 of 2

If you have any questions, please contact me at 210.447.6253 or at [gtswoboda@garverusa.com](mailto:gtswoboda@garverusa.com).

Sincerely,



Greg Swoboda, P.E.  
Project Manager  
GARVER, LLC

Xc: Romulus Atanasiu, City of Pflugerville  
Brandon Pritchett, City of Pflugerville  
Ryan Owen, STV  
Dawn Anderson, STV  
Denise Miller, STV  
Yue Sun, Ardurra  
Dean Gorell, Ardurra  
Tyson Hann, Garver

Triston Bing-Young      PLW      virtual  
 Dean Gorell      Ardurra      virtual  
 Dawn Anderson      STV      virtual  
 Ryan Owen      STV      in person



Bid Tab - City of Pflugerville WCRWWTF Phase I Construction  
 CMAR - Balance of Plant (BOP) Package

Package:	Present During Bid Proposal Opening:	Name of Attendee	Employer	In Person or Virtual
BOP2-01.01_Area 2 Package		RICHARD VILLASANA	PLW	IN PERSON
Date: 3/15/24		MARIA LOPEZ	PLW	In Person
Time: 11:00 am		MIKE RUSS	STV	In Person
		JEFF L. DUNSWORTH	COPL	IN PERSON

Bid Proposal Package Checklist	Offeror 1	Offeror 2	Offeror 3
Offeror Name	PLW Waterworks	McCarthy Building Companies, Inc	
Completed Bid Form	Y	Y	
City of Pflugerville Bid Bond	Y	Y	

Section 1 - Direct Costs	Offeror 1	Offeror 2	Offeror 3
Total Base Proposal Price	21,944,000.00	35,850,344.00	

Section 2 - Alternatives & Value Engineering													
Bid Item	Description	Quantity	U/M	Unit Price	Total	Quantity	U/M	Unit Price	Total	Quantity	U/M	Unit Price	Total
1	F-13-1: Alternate Odor Control	1	LS		\$ 1,172,913.61	1	LS		\$ (1,615,420.40)	1	LS		\$ -
2	Facility 31 - Post Tensioned Concrete	1	LS		\$ 0	1	LS		\$ 0	1	LS		\$ -
3					\$ -				\$ -				\$ -
4					\$ -				\$ -				\$ -
5					\$ -				\$ -				\$ -
6					\$ -				\$ -				\$ -

The contents of each opened Bid Proposal Package were verified at the Bid Proposal Opening as attested by signature below. The final award of the contract will be based on the evaluation of the bids that provide the best value to the City of Pflugerville on the WCRWWTF Phase I Construction project as indicated in the Contract Documents.

Bid Proposal Opening Verification:	JEFF L. DUNSWORTH	JEFF L. DUNSWORTH	3/15/24
	Printed Name	Signature	Date
Bid Proposal Opening Verification Witnessed by:	Brendan Pritchett	[Signature]	3/15/24
	Printed Name	Signature	Date
Bid Proposal Opening Verification Witnessed by:	Jessica Taylor	Jessica Taylor	3/15/24
	Printed Name	Signature	Date
	Printed Name	Signature	Date



# **PLW Self-Perform**



**Request For Proposal  
Bid Form - Subcontractors**

3/14/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

**PACKAGE NO.:** BOP2-01.01  
**PACKAGE DESCRIPTION:** Area 2 - Aeration Basin and Aeration Blower Facility  
**PROPOSER'S COMPANY NAME:** PLW Waterworks, LLC

The undersigned, having carefully examined the Proposal Documents and the site of the proposed Work, and being familiar with existing conditions and obstacles under which the Work is to be performed, hereby offers and agrees to furnish all labor, materials, and services necessary to execute the proposed Work and has included all costs associated therewith in the preparation of its Proposal.

**TOTAL BASE PROPOSAL PRICE:**

In Words: Twenty-One Million Nine Hundred Forty-Four Thousand  
 In Figures: \$ 21,944,000.00

SECTION 1 - DIRECT COST				
ITEM	DESCRIPTION	QTY	UNIT	COST
1	Division 1 - General Conditions	1	LS	\$ 1,590,254.00
2	Division 1 - Quality Control Testing & Inspection	1	LS	\$ -
3	Division 1 - Startup & Commissioning	1	LS	\$ -
4	Division 1 - Mob/Demob	1	LS	\$ -
5	Division 1 - Trench Safety (Must provide unit cost, per TWDB)	0	LF	\$ -
<b>Aeration Basin (Facility 31)</b>				<b>\$ 16,360,046.00</b>
6	Division 2 - Site Construction	1	LS	\$ 416,033.84
7	Division 3 - Concrete	1	LS	\$ 10,440,678.15
8	Division 4 - Masonry	1	LS	\$ -
9	Division 5 - Metals	1	LS	\$ 691,071.35
10	Division 6 - Wood & Plastics	1	LS	\$ -
11	Division 7 - Thermal & Moisture Protection	1	LS	\$ -
12	Division 8 - Openings	1	LS	\$ -
13	Division 9 - Finishes	1	LS	\$ 205,407.51
14	Division 10 - Specialties	1	LS	\$ -
15	Division 11 - Process Equipment	1	LS	\$ 499,670.23
16	Division 12 - Furnishings	1	LS	\$ -
17	Division 13 - Special Construction	1	LS	\$ -
18	Division 14 - Conveying Systems	1	LS	\$ 53,146.12
19	Division 15 - Process Mechanical/Building Mechanical	1	LS	\$ 4,054,039.16
20	Division 16 - Electrical	1	LS	\$ -
<b>Aeration Blower Facility #1 (Facility 38)</b>				<b>\$ 3,993,700.00</b>
21	Division 2 - Site Construction	1	LS	\$ 50,894.95
22	Division 3 - Concrete	1	LS	\$ 561,742.92
23	Division 4 - Masonry	1	LS	\$ 703,887.52
24	Division 5 - Metals	1	LS	\$ 539,311.51
25	Division 6 - Wood & Plastics	1	LS	\$ -
26	Division 7 - Thermal & Moisture Protection	1	LS	\$ 593,600.74
27	Division 8 - Openings	1	LS	\$ 132,305.19
28	Division 9 - Finishes	1	LS	\$ 246,410.85
29	Division 10 - Specialties	1	LS	\$ 7,821.07
30	Division 11 - Process Equipment	1	LS	\$ 110,079.29
31	Division 12 - Furnishings	1	LS	\$ -
32	Division 13 - Special Construction	1	LS	\$ -



**Request For Proposal  
Bid Form - Subcontractors**

3/14/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

33 Division 14 - Conveying Systems	1 LS	\$	158,880.79
34 Division 15 - Process Mechanical/Building Mechanical	1 LS	\$	888,765.23
35 Division 16 - Electrical	1 LS	\$	-
<b>CONSTRUCTION BASE PRICE PROPOSAL TOTAL</b>			\$ 21,944,000.00
36 Bonds			
37 Taxes (non-permanent material)			
<b>TOTAL BASE PROPOSAL PRICE</b>			\$ 21,944,000.00

**SECTION 2 - ALTERNATES & VALUE ENGINEERING**

ITEM	DESCRIPTION	QTY	UNIT	COST
1	F31-1: AO Process – Facility 31		LS	\$ 1,172,913.61
2	Facility 31 – Post Tensioned Concrete		LS	No Cost Savings
3			LS	\$ -
4			LS	\$ -
5				\$ -
6				\$ -

**SECTION 3 - ADDENDA**

Acknowledge Receipt of Addenda by Adding Date Issued and Initial below:	Initial	Date
Addendum No. 1	PB	1/11/2024
Addendum No. 2	N/A	N/A
Addendum No. 3	PB	1/17/2024
Addendum No. 4	PB	1/26/2024
Addendum No. 5	PB	2/1/2024
Addendum No. 6	PB	2/9/2024
Addendum No. 7	PB	2/19/2024
Addendum No. 8	PB	2/28/2024
Addendum No. 9	PB	3/6/2024

**SECTION 4 - ASSUMPTIONS AND CLARIFICATIONS**

Please list all Assumptions & Clarifications below (Add additional line items as necessary)

**In the event that PLW Waterworks is selected to negotiate multiple packages, PLW is willing to discuss potential General**

- Conditions efficiencies that may be realized.**
- Per addendum #6 RFI response, epoxy novolac coating system is only included at the aeration basin distribution box.
- We have assumed that all galvanized steel is not to receive protective coatings.
- Epoxy novolac coatings are only included for the Aeration Basin inlet splitter box.
- Monorails and hoists included are manufactured by Harrington. Detroit will manufacture the wire rope hoist/trolley.
- Overhead pipe supports from the Aeration Basin to the Aeration Blower Facility are to be galvanized.
- Building signage is not included in this package
- Separate bonds are not included for CMAR self-perform packages.
- 
- 
- 
- 
- 
-



**Request For Proposal  
Bid Form - Subcontractors**

3/14/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

14
15

**SECTION 5 - ADDITIONAL TERMS AND PROVISIONS**

This Proposal shall be valid for a period of not less than ninety (90) days from the Bid Due Date as amended.

This contract is contingent upon the release of funds from the Texas Water Development Board (TWDB).

The CMAR reserves the right to reject any and all Bids, to waive any and all informalities not involving price, time, or changes in the Work, and to negotiate contract terms with the Successful Bidder and the right to disregard all nonconforming, nonresponsive, unbalanced, or conditional Bids. Also, the CMAR reserves the right to reject the Bid of any Bidder if the CMAR believes that it would not be in the best interest of the Project to make an award to that Bidder, whether because the Bid is not responsive, or the Bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established by the CMAR. In evaluating Bids, the CMAR will consider the qualifications of the Bidders, whether the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.

**OWNER REQUIRED- Due to TWDB being the project funding source:**

Agreed to Current TWDB-0551 Supplemental Conditions (yes or no):	YES
Agreed to American Iron & Steel Requirements of This Contract (yes or no):	YES
Agreed to Davis-Bacon Wage Rate Requirements of the Contract (yes or no):	YES
Agreed to Current EPA Fair Share Policy and Fair Share Goals (yes or no):	YES

**PLW TERMS & CONDITIONS:**

Agreed to PLW Terms and Conditions (yes or no):	YES
-------------------------------------------------	-----

If NO- Please attach a Request for Modifications/Sample Subcontract Markup to this bid.

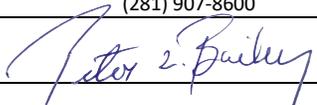
**Additional Information:**

Percentage of MWDBE Participation Provided as a Part of This Bid:	0%
-------------------------------------------------------------------	----

Company Name: PLW WATERWORKS LLC

Contact Name and Title: Peter Bailey, Executive Vice President

Contact Phone Number: (281) 907-8600

Signature: 

<u>Bid Evaluation Criteria:</u>	<b>Weighting Value</b>
<b>Description</b>	
<b>Cost Proposal</b>	
Complete Bid Package Cost <i>(Lowest Price/Evaluated Proposal Price) x Points Available = Score</i>	50 Points
<b>Technical Proposal</b>	
Safety (EMR & TRIR) <i>(Provide your current Workers Compensation Experience Rating (EMR) and current Total Recordable Incident Rate (TRIR) and attached additional supporting data)</i>	10 Points
Experience and Qualifications <i>(Provide Subcontractor Information Form, Project Approach and Schedule)</i>	30 Points
<b>Compliance with Proposal Terms and Conditions</b>	
Conformance with Bid Package Requirements <i>(Any exclusions to the contract documents or design requirements Need to be listed on company's letterhead and submitted with the proposal.)</i>	10 Points
<b>TOTAL</b>	<b>100 Points</b>

# **McCarthy Building Company**



**Request For Proposal  
Bid Form - Subcontractors**

3/15/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

**PACKAGE NO.:** BOP2-01.01  
**PACKAGE DESCRIPTION:** Area 2 - Aeration Basin and Aeration Blower Facility  
**PROPOSER'S COMPANY NAME:** McCarthy Building Companies

The undersigned, having carefully examined the Proposal Documents and the site of the proposed Work, and being familiar with existing conditions and obstacles under which the Work is to be performed, hereby offers and agrees to furnish all labor, materials, and services necessary to execute the proposed Work and has included all costs associated therewith in the preparation of its Proposal.

**TOTAL BASE PROPOSAL PRICE:**

In Words: Thirty-five million, eight hundred and fifty thousand, three hundred and forty-four dollars.  
 In Figures: \$ 35,850,344.00

SECTION 1 - DIRECT COST				
ITEM	DESCRIPTION	QTY	UNIT	COST
1	Division 1 - General Conditions	1	LS	\$ 6,095,889.00
2	Division 1 - Quality Control Testing & Inspection	1	LS	\$ 295,507.00
3	Division 1 - Startup & Commissioning	1	LS	\$ -
4	Division 1 - Mob/Demob	1	LS	\$ 1,075,500.00
5	Division 1 - Trench Safety <small>(Must provide unit cost, per TWDB)</small>	867	LF	\$ 32,079.00
<b>Aeration Basin (Facility 31)</b>				
6	Division 2 - Site Construction	1	LS	\$ 2,659,067.00
7	Division 3 - Concrete	1	LS	\$ 13,490,268.00
8	Division 4 - Masonry	1	LS	\$ -
9	Division 5 - Metals	1	LS	\$ 836,344.00
10	Division 6 - Wood & Plastics	1	LS	\$ -
11	Division 7 - Thermal & Moisture Protection	1	LS	\$ -
12	Division 8 - Openings	1	LS	\$ -
13	Division 9 - Finishes	1	LS	\$ 636,117.00
14	Division 10 - Specialties	1	LS	\$ -
15	Division 11 - Process Equipment	1	LS	\$ 240,660.00
16	Division 12 - Furnishings	1	LS	\$ -
17	Division 13 - Special Construction	1	LS	\$ -
18	Division 14 - Conveying Systems	1	LS	\$ 49,650.00
19	Division 15 - Process Mechanical/Building Mechanical	1	LS	\$ 4,970,128.00
20	Division 16 - Electrical	1	LS	\$ 284,957.00
<b>Aeration Blower Facility #1 (Facility 38)</b>				
21	Division 2 - Site Construction	1	LS	\$ 155,214.00
22	Division 3 - Concrete	1	LS	\$ 1,055,593.00
23	Division 4 - Masonry	1	LS	\$ 606,267.00
24	Division 5 - Metals	1	LS	\$ 522,395.00
25	Division 6 - Wood & Plastics	1	LS	\$ -
26	Division 7 - Thermal & Moisture Protection	1	LS	\$ 464,707.00
27	Division 8 - Openings	1	LS	\$ 73,795.00
28	Division 9 - Finishes	1	LS	\$ 78,805.00
29	Division 10 - Specialties	1	LS	\$ -



**Request For Proposal  
Bid Form - Subcontractors**

3/15/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

30 Division 11 - Process Equipment	1 LS	\$	28,574.00
31 Division 12 - Furnishings	1 LS	\$	7,196.00
32 Division 13 - Special Construction	1 LS	\$	-
33 Division 14 - Conveying Systems	1 LS	\$	364,957.00
34 Division 15 - Process Mechanical/Building Mechanical	1 LS	\$	1,436,358.00
35 Division 16 - Electrical	1 LS	\$	-
<b>CONSTRUCTION BASE PRICE PROPOSAL TOTAL</b>			
36 Bonds		\$	241,937.00
37 Taxes (non-permanent material)		\$	148,380.00
<b>TOTAL BASE PROPOSAL PRICE</b>			<b>\$ 35,850,344.00</b>

**SECTION 2 - ALTERNATES & VALUE ENGINEERING**

ITEM	DESCRIPTION	QTY	UNIT	COST
1	F31-1: AO Process – Facility 31	1	LS	\$ (1,615,420.40)
2	<del>Facility 31 – Post Tensioned Concrete</del>	No Bid	LS	No Bid
3			LS	\$ -
4			LS	\$ -
5				\$ -
6				\$ -

**SECTION 3 - ADDENDA**

Acknowledge Receipt of Addenda by Adding Date Issued and Initial below:	Initial	Date
Addendum No. 1	LE	1/11
<del>Addendum No. 2</del>	N/A	N/A
Addendum No. 3	LE	1/18
Addendum No. 4	LE	1/26
Addendum No. 5	LE	2/1
Addendum No. 6	LE	2/9
Addendum No. 7	LE	2/19
Addendum No. 8	LE	2/28
Addendum No. 9	LE	3/6



# Request For Proposal Bid Form - Subcontractors

3/15/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

## SECTION 4 - ASSUMPTIONS AND CLARIFICATIONS

Please list all Assumptions & Clarifications below (Add additional line items as necessary)

- 1 General Requirements - SWPPP plan, installation, maintenance, inspection and removal, dust control on and off-site and street sweeping is excluded.
- 2 General Requirements - Drawings Volume 6B as they pertain to the Aeration Basin dated January of 2023 and Volume 6C as they pertain to the Blower Building dated January of 2023.
- 3 General Requirements - Acknowledge Addenda 1,3,4,5,6,7,8 and 9
- 4 General Requirements - Acknowledge Design Revisions 3,5,6,8, 9 and 10
- 5 General Requirements - The purchase of construction water/testing water has not been included. It is the intent to utilize the onsite non-potable water system, yard hydrants for construction water needs.
- 6 General Requirements - The Tower crane requires 3-Phase, 480V, 300A, 60 Hertz service. McCarthy has excluded upsizing the power provided in the SOW. PLW to provide. McCarthy has included service from the POD to the crane.
- 7 General Requirements - Project site security is excluded.
- 8 General Requirements - Pricing provided for bidding purposes only. A schedule of values will be provided at a later date.
- 9 General Requirements - McCarthy has excluded any permit preparation, modification and filing for an Airspace Protection Plan. Our proposed tower crane is below the max height of 200 feet as provided during the Contractor Pre-Bid Meeting.
- 10 General Requirements - Pricing assumes unimpeded access for all deliveries. Some deliveries may require temporary access road shutdowns. Coordination is assumed.
- 11 General Requirements - Crane erection and disassembly will both require a multi-day access road shutdown. Coordination is assumed.
- 12 General Requirements - Tower crane foundation is included, removal is excluded.
- 13 General Requirements - Off-site parking is not included.
- 14 Schedule - McCarthy has not included any delay costs for inclement weather. In the event of a delay due to weather, McCarthy will submit for time extension per the contract requirements.
- 15 Coatings - System 14 and 15 Concrete/CMU coating excluded.
- 16 Concrete - McCarthy is excluding ACI-Certified Flatwork Technicians and other qualifications as may be required. McCarthy uses qualified concrete finishers to perform the work.
- 17 Concrete - Chipping drilled pier tops or cleaning rebar is excluded. All work to make piers ready will be billed on T&M.
- 18 Concrete - McCarthy excludes all pipe encasements outside the structures should they be applicable.
- 19 Concrete - Mass concrete requirements are excluded.
- 20 Concrete - McCarthy intends to install block outs in the baffle walls for access through the A-basin channels to eliminate climbing over the walls. Additional corner bars, form savers and pour backs are included to allow for these pass-through points as needed.
- 21 Concrete - Form savers have been included at intermediate decks and stair landing footings and pony walls. It is assumed that these will be acceptable to the Engineer.
- 22 Mechanical - Pipe support design costs for engineering stamps for individual pipe supports is included in this proposal. Design costs for a pipe stress analysis or for a designed pipe support system (dynamic loading, expansion & contraction, thrust loading) is not included in this proposal.
- 23 Mechanical - 36-inch expansion joints for the Air Low Pressure (ALP) piping system have a maximum lateral offset included at 0.4375 inches which is consistent with manufacturer association standards.
- 24 Mechanical - Expansion joints do not include any control tie-rod assemblies.
- 25 Mechanical - Gaskets at flanged connections for the Air Low Pressure (ALP) piping system are 1/8-inch thick, EPDM, rated to 300 degrees F.
- 26 Mechanical - Stand alone hose racks included in this proposal do not include any washdown hoses.
- 27 Mechanical - Houston Pipe Supports included in this proposal are high temperature galvanized carbon steel rated to 250 degrees F.
- 28 Mechanical - Fabricated stainless steel piping for the Air Low Pressure (ALP) system included in this proposal is with slip-on flanges.

- 29 Mechanical - Pipe insulation jacketing included in this proposal for the exposed Water - Non-Potable (W2) piping systems is Type 2 (PVC).
- 30 Mechanical - Pricing includes field applied coatings to insulated pipes. If insulated pipes do not require field applied coatings, a deduct can be provided.
- 31 Mechanical - The furnish and install of control panels for heat tracing is not included in this proposal.  
  
 Mechanical - Installation is included for the in-line piping instruments listed below. Furnishing, testing, troubleshooting, start-up & commissioning, and any conduit/cable is by Others.
- 32 a. 381-PSL-101, 201, 301, 401 & 501, 381-PIT-101, 103, 201, 203, 301, 303, 401, 403, 501, 503, 901 & 902, 311-FE/FIT-101, 102, 110, 120, 130, 140, 210, 220, 230, 240, 141 & 241, 381-FE/FIT-903, 381-TIT-102, 202, 302, 402, 502, 101, 201, 301, 401 & 501  
 b. Furnish, install, testing, troubleshoot, startup & commissioning, conduit/cable for all other instruments not listed is by Others.
- 33 Mechanical - It is assumed that all pre-purchased equipment, valves, and appurtenances will be delivered to Contractor for on-time installation only. This proposal does not include any storage, protection, or preventative maintenance for early delivery.
- 34 Mechanical - It is assumed that all pre-purchased equipment is furnished with the necessary anchors, guides, supports, stem extensions, epoxy, and appurtenances required for a complete installation.  
 Mechanical - It is assumed that the following items are to be furnished by the Blower manufacturer as part of the pre-purchased equipment package.
- 35 a. Flexible connectors/expansion joints on blower inlet and discharge equipment connections.  
 b. Electric motor operated butterfly valves on blower discharge before header piping.  
 c. Check valves on blower discharge before header piping.
- 36 Mechanical - It is assumed that all condensate blow-off piping, fittings, valves, supports, anchors, epoxy, and appurtenances is furnished by the Fine Bubble Diffuser manufacturer as part of the pre-purchased equipment package.
- 37 Mechanical - It is assumed that all equipment local control stations/panels are to be installed by Others, including the furnishing of mounts/stands and hardware
- 38 Mechanical - Pull testing of diffusers labor is included. Equipment provided by other.
- 39 Demo/Earthwork/Sitework - Open excavations are assumed to be left as 5' offset from the wall and having 1.5:1 slopes to grade and the excavation is free from ruts, sloughing and erosion. Maintaining safe excavation slopes is excluded.
- 40 Demo/Earthwork/Sitework - Structure overexcavation and backfill is excluded.
- 41 Demo/Earthwork/Sitework - Scarify and recompact existing soil under structures is excluded.
- 42 Demo/Earthwork/Sitework - Maintenance and/or repair of temporary construction roads is excluded.
- 43 Demo/Earthwork/Sitework - McCarthys excavation of thickened edges, grade beams and pipe trenches excludes any unforeseen conditions not limited to but including hazardous materials, unsuitable soils, cobbles, hard dig, rock, organics and obstructions.
- 44 Demo/Earthwork/Sitework - Onsite native soils will be hauled to on-site CMAR stockpile. Imported select backfill has been included as TXDOT 247 Crushed Concrete for structural backfill.
- 45 Demo/Earthwork/Sitework - Additional excavation below the structures where unsuitable soil may be encountered that may need remedial work is excluded.
- 46 Demo/Earthwork/Sitework - Backfill around structures will be conducted with heavy equipment necessary to achieve the specified density.
- 47 Demo/Earthwork/Sitework - Backfill structures to approximate elevation 551 for Aeration Basin and 552 for the Blower Building have been included.
- 48 Demo/Earthwork/Sitework - Hydroseeding, topsoil, landscaping and final grading including finegrading and site contours are excluded.
- 49 Demo/Earthwork/Sitework - Removal and haul-off off temporary laydown crushed concrete base material is excluded.
- 50 Demo/Earthwork/Sitework - Drilled Pier rebar hooks need to be faced inwards (not outwards) for equipment access into structure excavations.
- 51 Demo/Earthwork/Sitework - Proofrolling is excluded.
- 52 Yard Pipe - All yard pipe trench excavations will be backfilled above the pipe bedding zone with TXDOT 247 to existing grade or bottom of pavement section.
- 53 Yard Pipe - Onsite Fat Clay material has been included for the Fat clay yard pipe trench plugs at structures. Import is excluded for this material.
- 54 Yard Pipe - Pipe bedding will be placed on undisturbed native soil. Scarify and recompact existing soil under pipe bedding is excluded.
- 55 Yard Pipe - Tie-in and removal of test caps/blind flanges of buried piping to yard pipe scope in other bid packages is excluded. CMAR tie-in to BOP2 buried piping needs to occur post structure leak test.
- 56 Yard Pipe - All DIP pipe and fittings are asphalt coated on the exterior.
- 57 Yard Pipe - Any relocation of existing or other utilities in conflict is excluded.

- 58 Yard Pipe - Cathodic Protection is excluded.
- 59 Yard Pipe - McCarthy assumes tie into piping by Others occurs after structural leak testing.
- 60 Yard Pipe - Void form for any underground pipe is excluded.
- 61 Yard Pipe - Locates and potholing of existing utilities is excluded.
- 62 Leak Testing - McCarthy has included 150 LF of discharge to drain the Aeration Basin. Discharge hose and pumping in excess of 150 LF to the pond on site will be the responsibility of PLW.
- 63 Leak Testing - 36" RAS/RS beneath the Aeration Basin, which was removed from BOP2 scope, will require a tapped blind flange provided and installed by PLW. Pipe to be tested and accepted by PLW.
- 64 Leak Testing - McCarthy has assumed a minimum of 450 GPM as the rate of water to be provided by PLW for leak testing.
- 65 Testing/Startup/Commissioning - McCarthy assumes that permanent power by PLW is tied into the Aeration Basin and Blower Building in time to perform MCOPI testing and acceptance within the schedule provided by McCarthy. Temporary power or remobilization for this testing and acceptance is excluded.
- 66 Testing/Startup/Commissioning - McCarthy has including testing, startup and commissioning for all equipment in our scope of work through Clean Water Testing. Any additional startup/commissioning/acceptance support, coordination or troubleshooting can be provided at the rates submitted by McCarthy.
- 67 Sub System Startup - McCarthy assumes Aeration Basin mud valves can be opened to drain testing water during sub-system startup of the diffusers, mixers and pumps.
- 68 Plumbing - Fire Protection, including sprinkler, is excluded.
- 69 Fireproofing - Firestopping and Fireproofing is excluded.
- 70 Bridge Crane - McCarthy plans to use the bridge crane in the Blower Building for blower installation. McCarthy will commission the crane twice, once for our construction use, and once to turn the crane over to the Owner.
- 71 Overhead Coiling Doors - Mechanical installation only. All electrical wire, control wire, conduit, alarm connections, disconnects, or electrical connection of any kind (high & low voltage), access controls, loop detectors, card readers, security systems, etc. is the responsibility of others.
- 72 Doors (All) - Keying by Others.
- 73 Waterproofing - Slab on Grade Sealants are excluded.
- 74 Construction Water - McCarthy will install an underground water line to bring construction water closer to the Aeration Basin in consultation with the CMAR on location. Removal of this line is excluded.
- 75 Dewatering - McCarthy excludes active dewatering in its entirety. No cost is carried for wells, pumping, conveyance, storage, treatment or discharge.
- 76 Dewatering - Pipe trenching in saturated soils requiring over excavation (muck ex) and trench stabilization is excluded.
- 77 Coatings - Static Dissipative Epoxy Resinous Flooring System and Epoxy Resinous Flooring System is excluded in its entirety.
- 78 Coatings - Pricing includes coatings on insulated pipe. If they are not required to be coated, please use the deduction of -\$50,000.
- 79 Coatings - Pricing includes coatings on stainless steel pipe.
- 80 Coatings - Pricing is based on Ductile Iron piping being delivered to the site blasted and primed by others.
- 81 Coatings - Coating system 3, 4, & 6 will be abrasive blasted and primed off site. Coating system 2 & 3 will be abrasive blasted and coated through finish coat offsite. touch up painting will be performed after items have been installed.
- 82 Masonry - Pricing includes medium-weight CMUs.
- 83 Masonry - Concrete discoloration from masonry activities cannot be prevented, especially at the base of interior masonry walls. We will remove all mortar and grout surface residue.
- 84 Masonry - This price is based on the use of an acidic proprietary masonry cleaner which has been proven to be the most effective method of cleaning the specified products.



**Request For Proposal  
Bid Form - Subcontractors**

3/15/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

**SECTION 5 - ADDITIONAL TERMS AND PROVISIONS**

This Proposal shall be valid for a period of not less than ninety (90) days from the Bid Due Date as amended.

This contract is contingent upon the release of funds from the Texas Water Development Board (TWDB). The CMAR reserves the right to reject any and all Bids, to waive any and all informalities not involving price, time, or changes in the Work, and to negotiate contract terms with the Successful Bidder and the right to disregard all nonconforming, nonresponsive, unbalanced, or conditional Bids. Also, the CMAR reserves the right to reject the Bid of any Bidder if the CMAR believes that it would not be in the best interest of the Project to make an award to that Bidder, whether because the Bid is not responsive, or the Bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established by the CMAR. In evaluating Bids, the CMAR will consider the qualifications of the Bidders, whether the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.

**OWNER REQUIRED- Due to TWDB being the project funding source:**

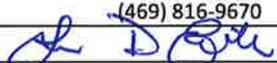
Agreed to Current TWDB-0551 Supplemental Conditions (yes or no):	Yes
Agreed to American Iron & Steel Requirements of This Contract (yes or no):	Yes
Agreed to Davis-Bacon Wage Rate Requirements of the Contract (yes or no):	Yes
Agreed to Current EPA Fair Share Policy and Fair Share Goals (yes or no):	Yes

**PLW TERMS & CONDITIONS:**

Agreed to PLW Terms and Conditions (yes or no):   
If NO- Please attach a Request for Modifications/Sample Subcontract Markup to this bid

**Additional Information:**

Percentage of MWDBE Participation Provided as a Part of This Bid:

Company Name: McCarthy Building Companies  
 Contact Name and Title: Lars Erickson - VP Preconstruction  
 Contact Phone Number: (469) 816-9670  
 Signature: 

<u>Bid Evaluation Criteria:</u>	<b>Weighting Value</b>
<b>Description</b>	
<b>Cost Proposal</b>	
Complete Bid Package Cost <i>(Lowest Price/Evaluated Proposal Price) x Points Available = Score</i>	50 Points
<b>Technical Proposal</b>	
Safety (EMR & TRIR) <i>(Provide your current Workers Compensation Experience Rating (EMR) and current Total Recordable Incident Rate (TRIR) and attached additional supporting data)</i>	10 Points
Experience and Qualifications <i>(Provide Subcontractor Information Form, Project Approach and Schedule)</i>	30 Points
<b>Compliance with Proposal Terms and Conditions</b>	
Conformance with Bid Package Requirements <i>(Any exclusions to the contract documents or design requirements Need to be listed on company's letterhead and submitted with the proposal.)</i>	10 Points
<b>TOTAL</b>	<b>100 Points</b>

# BOP3-01.01 Package

- » Recommendation Letter
- » Package Comparison Chart
- » Recommended Bidder
  - Bid Form
  - Proposal



3755 S. Capital of Texas Highway  
Suite 325  
Austin, TX 78704  
TEL 512.485.0009  
FAX 512.485.0010  
[www.GarverUSA.com](http://www.GarverUSA.com)

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April 29, 2024

Jeff Dunsworth, P.E., CFM  
City Engineer  
City of Pflugerville  
15500 Sun Light Near Way  
Suite B, Bldg 6  
Pflugerville, Texas 78660

Re: City of Pflugerville  
PLW Job No.: P5K  
Recommendation of Award  
WCRWWTF Phase 1 Construction – GMP2 – BOP 3-01.01

Dear Mr. Dunsworth:

The purpose of this letter is to provide a recommendation of award to the Construction Manager at-Risk (CMAR), PLW Waterworks, Inc. (PLW), to Self-Perform Balance of Plant Package 3-01.01 for Area 3, 4, & 5 – Secondary, Tertiary & Solids Facilities (Secondary, Tertiary, UV, Biosolids Handling, Aerated Sludge Holding Tanks and Associated Facilities) on the Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF) for the Guaranteed Maximum Price No. 2 (GMP 2).

The Balance of Plant Package (BOP) started advertisement on January 9, 2024; bids were required to be delivered for BOP 3-01.01 - Secondary, Tertiary and Solid Facilities work package on March 15, 2024. One sealed bid was received on the BOP 3-01.01 for Secondary, Tertiary and Solid Facilities.

Garver has participated with the City Team, including City Staff, the Owner's Representative (STV), and Construction Manager (Ardurra). The team reviewed the bid, provided the scoring evaluation, and has recommended award of the BOP 3-01.01 to PLW Waterworks. STV has prepared a summary of the evaluation and award process. Garver has reviewed the letter and concurs with the scoring process and evaluation indicated.

In summary, Garver has completed review of the BOP 3-01.01 and recommends PLW to conduct self-performance in the amount of \$32,222,000 (or alternate value as reflected through further negotiation of the BOP Package) for award. The package shall be provided in accordance with the contract plans and specifications and any deviations from the contract plans and specifications shall be at PLW's risk and cost. PLW is the CMAR responsible for providing a complete and operational project as specified in the Contract Documents and acceptance of these work packages does not alleviate the CMAR's responsibility in any way, of providing the City a complete and operational project as specified in the Contract Documents.

City of Pflugerville  
Wilbarger Creek Regional Wastewater Treatment Facility Phase 1  
PLW Job No. P5K  
Recommendation of Award – GMP 2-BOP 3-01.01  
April 29, 2024  
Page 2 of 2

If you have any questions, please contact me at 210.447.6253 or at [gtswoboda@garverusa.com](mailto:gtswoboda@garverusa.com).

Sincerely,



Greg Swoboda, P.E.  
Project Manager  
GARVER, LLC

Xc: Romulus Atanasiu, City of Pflugerville  
Brandon Pritchett, City of Pflugerville  
Ryan Owen, STV  
Dawn Anderson, STV  
Denise Miller, STV  
Yue Sun, Ardurra  
Dean Gorell, Ardurra  
Tyson Hann, Garver

Bid Tab - City of Pflugerville WCRWWTF Phase I Construction  
 CMAR - Balance of Plant (BOP) Package

Triston Bing-Young  
 Dean Gorell  
 Dawn Anderson  
 Ryan Owen

PLW  
 Ardurra  
 STV  
 STV

virtual  
 virtual  
 in Person

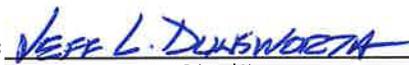


Package:	Present During Bid Proposal Opening:	Name of Attendee	Employer	In Person or Virtual
BOP3-01.01_Area 3, 4, 5 Package		RICHARD VILLAZANA	PLW	IN PERSON
Date:		MARIA LOPEZ	PLW	IN PERSON
Time:		JEFF L. DUNSWORTH	STV	IN PERSON
		MIKE RUSS	STV	IN PERSON
		JESSICA TAYLOR	STV	IN PERSON

Bid Proposal Package Checklist	Offeror 1	Offeror 2	Offeror 3
Offeror Name	PLW Waterworks		
Completed Bid Form	Y		
City of Pflugerville Bid Bond			

Section 1 - Direct Costs													
Bid Item	Description	Quantity	U/M	Unit Price	Total	Quantity	U/M	Unit Price	Total	Quantity	U/M	Unit Price	Total
	<b>Total Base Proposal Price</b>				32,222,000.00								
Section 2 - Alternatives & Value Engineering													
Bid Item	Description	Quantity	U/M	Unit Price	Total	Quantity	U/M	Unit Price	Total	Quantity	U/M	Unit Price	Total
1	Facility 45 - D110 Wire Wrapped Tanks	1	LS	\$ 0	\$ -	1	LS	\$ -	\$ -	1	LS	\$ -	\$ -
2	Facility 70 - D110 Wire Wrapped Tanks	1	LS	\$ 0	\$ -	1	LS	\$ -	\$ -	1	LS	\$ -	\$ -
3	F55-1: Supplemental Post Aeration	1	LS	\$ 275,119.28	\$ 275,119.28	1	LS	\$ -	\$ -	1	LS	\$ -	\$ -
4	TANK Slab + Pier Optimization			\$ (1,426,096.00)	\$ -			\$ -	\$ -			\$ -	\$ -
5				\$ -	\$ -			\$ -	\$ -			\$ -	\$ -
6				\$ -	\$ -			\$ -	\$ -			\$ -	\$ -

The contents of each opened Bid Proposal Package were verified at the Bid Proposal Opening as attested by signature below. The find award of the contract will be based on the evaluation of the bids that provide the best value to the City of Pflugerville on the WCRWWTF Phase I Construction project as indicated in the Contract Documents.

Bid Proposal Opening Verification:	 Printed Name	 Signature	3/15/24 Date
	 Printed Name	 Signature	3/15/24 Date
	Printed Name	Signature	Date
Bid Proposal Opening Verification Witnessed by:	Jessica Taylor Printed Name	 Signature	3/15/24 Date
	Printed Name	Signature	Date



# **PLW Self-Perform**



**Request For Proposal  
Bid Form - Subcontractors**

3/14/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

**PACKAGE NO.:** BOP3-01.01

Area 3 - Secondary Clarifiers & Associated Facilities  
Area 4 - Tertiary Filters, UV & Associated Facilities  
Area 5 - Biosolids Handling & Aerated Sludge Holding Tanks

**PACKAGE DESCRIPTION:** Area 3 - Secondary Clarifiers & Associated Facilities  
Area 4 - Tertiary Filters, UV & Associated Facilities  
Area 5 - Biosolids Handling & Aerated Sludge Holding Tanks

**PROPOSER'S COMPANY NAME:** PLW Waterworks, LLC

The undersigned, having carefully examined the Proposal Documents and the site of the proposed Work, and being familiar with existing conditions and obstacles under which the Work is to be performed, hereby offers and agrees to furnish all labor, materials, and services necessary to execute the proposed Work and has included all costs associated therewith in the preparation of its Proposal.

**TOTAL BASE PROPOSAL PRICE:**

In Words: Thirty Two Million Two Hundred Twenty Two Thousand Dollars  
In Figures: \$ 32,222,000.00

SECTION 1 - DIRECT COST				
ITEM	DESCRIPTION	QTY	UNIT	COST
1	Division 1 - General Conditions	1	LS	\$ 2,972,051.00
2	Division 1 - Quality Control Testing & Inspection	1	LS	\$ -
3	Division 1 - Startup & Commissioning	1	LS	\$ -
4	Division 1 - Mob/Demob	1	LS	\$ -
5	Division 1 - Trench Safety (Must provide unit cost, per TWDB)	300	LF	\$ 8,100.00
	<b>Secondary Clarifiers #1 &amp; #2 (Facility 45)</b>			<b>\$ 7,204,239.00</b>
6	Division 2 - Site Construction	1	LS	\$ 351,799.27
7	Division 3 - Concrete	1	LS	\$ 5,817,622.07
8	Division 4 - Masonry	1	LS	\$ -
9	Division 5 - Metals	1	LS	\$ 220,969.36
10	Division 6 - Wood & Plastics	1	LS	\$ -
11	Division 7 - Thermal & Moisture Protection	1	LS	\$ -
12	Division 8 - Openings	1	LS	\$ -
13	Division 9 - Finishes	1	LS	\$ 85,773.96
14	Division 10 - Specialties	1	LS	\$ -
15	Division 11 - Process Equipment	1	LS	\$ 396,994.22
16	Division 12 - Furnishings	1	LS	\$ -
17	Division 13 - Special Construction	1	LS	\$ -
18	Division 14 - Conveying Systems	1	LS	\$ -
19	Division 15 - Process Mechanical/Building Mechanical	1	LS	\$ 331,080.02
20	Division 16 - Electrical	1	LS	\$ -
	<b>Mixed Liquor Splitter Box (Facility 40)</b>			<b>\$ 1,535,018.00</b>
21	Division 2 - Site Construction	1	LS	\$ 81,044.98
22	Division 3 - Concrete	1	LS	\$ 556,145.10
23	Division 4 - Masonry	1	LS	\$ -
24	Division 5 - Metals	1	LS	\$ 420,786.79
25	Division 6 - Wood & Plastics	1	LS	\$ -
26	Division 7 - Thermal & Moisture Protection	1	LS	\$ -
27	Division 8 - Openings	1	LS	\$ -
28	Division 9 - Finishes	1	LS	\$ 6,296.60



**Request For Proposal  
Bid Form - Subcontractors**

3/14/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

29 Division 10 - Specialties	1 LS	\$	-
30 Division 11 - Process Equipment	1 LS	\$	41,674.72
31 Division 12 - Furnishings	1 LS	\$	-
32 Division 13 - Special Construction	1 LS	\$	-
33 Division 14 - Conveying Systems	1 LS	\$	-
34 Division 15 - Process Mechanical/Building Mechanical	1 LS	\$	429,069.96
35 Division 16 - Electrical	1 LS	\$	-
<b>Aluminium Sulfate Storage Building (Facility 60)</b>		<b>\$</b>	<b>933,155.00</b>
36 Division 2 - Site Construction	1 LS	\$	30,326.77
37 Division 3 - Concrete	1 LS	\$	125,042.98
38 Division 4 - Masonry	1 LS	\$	-
39 Division 5 - Metals	1 LS	\$	173,053.02
40 Division 6 - Wood & Plastics	1 LS	\$	-
41 Division 7 - Thermal & Moisture Protection	1 LS	\$	65,403.35
42 Division 8 - Openings	1 LS	\$	26,692.79
43 Division 9 - Finishes	1 LS	\$	85,077.04
44 Division 10 - Specialties	1 LS	\$	4,886.13
45 Division 11 - Process Equipment	1 LS	\$	21,834.66
46 Division 12 - Furnishings	1 LS	\$	-
47 Division 13 - Special Construction	1 LS	\$	-
48 Division 14 - Conveying Systems	1 LS	\$	-
49 Division 15 - Process Mechanical/Building Mechanical	1 LS	\$	400,838.42
50 Division 16 - Electrical	1 LS	\$	-
<b>RAS/WAS Pump Station (Facility 46)</b>		<b>\$</b>	<b>1,616,153.00</b>
51 Division 2 - Site Construction	1 LS	\$	44,276.06
52 Division 3 - Concrete	1 LS	\$	243,445.98
53 Division 4 - Masonry	1 LS	\$	-
54 Division 5 - Metals	1 LS	\$	34,884.51
55 Division 6 - Wood & Plastics	1 LS	\$	-
56 Division 7 - Thermal & Moisture Protection	1 LS	\$	-
57 Division 8 - Openings	1 LS	\$	-
58 Division 9 - Finishes	1 LS	\$	52,325.49
59 Division 10 - Specialties	1 LS	\$	-
60 Division 11 - Process Equipment	1 LS	\$	61,460.94
61 Division 12 - Furnishings	1 LS	\$	-
62 Division 13 - Special Construction	1 LS	\$	-
63 Division 14 - Conveying Systems	1 LS	\$	-
64 Division 15 - Process Mechanical/Building Mechanical	1 LS	\$	1,179,759.91
65 Division 16 - Electrical	1 LS	\$	-
<b>RAS/WAS Pump Station Electrical Building (Facility 46)</b>		<b>\$</b>	<b>466,187.00</b>
66 Division 2 - Site Construction	1 LS	\$	30,326.77
67 Division 3 - Concrete	1 LS	\$	52,067.08
68 Division 4 - Masonry	1 LS	\$	132,745.30
69 Division 5 - Metals	1 LS	\$	63,849.66
70 Division 6 - Wood & Plastics	1 LS	\$	1,810.72
71 Division 7 - Thermal & Moisture Protection	1 LS	\$	130,218.47
72 Division 8 - Openings	1 LS	\$	47,285.91



**Request For Proposal  
Bid Form - Subcontractors**

3/14/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

73 Division 9 - Finishes	1 LS	\$	4,809.41
74 Division 10 - Specialties	1 LS	\$	3,074.13
75 Division 11 - Process Equipment	1 LS	\$	-
76 Division 12 - Furnishings	1 LS	\$	-
77 Division 13 - Special Construction	1 LS	\$	-
78 Division 14 - Conveying Systems	1 LS	\$	-
79 Division 15 - Process Mechanical/Building Mechanical	1 LS	\$	-
80 Division 16 - Electrical	1 LS	\$	-
<b>Tertiary Filters (Facility 50)</b>		<b>\$</b>	<b>2,791,952.00</b>
81 Division 2 - Site Construction	1 LS	\$	206,911.97
82 Division 3 - Concrete	1 LS	\$	829,031.02
83 Division 4 - Masonry	1 LS	\$	-
84 Division 5 - Metals	1 LS	\$	624,905.95
85 Division 6 - Wood & Plastics	1 LS	\$	-
86 Division 7 - Thermal & Moisture Protection	1 LS	\$	169,986.56
87 Division 8 - Openings	1 LS	\$	-
88 Division 9 - Finishes	1 LS	\$	103,016.73
89 Division 10 - Specialties	1 LS	\$	-
90 Division 11 - Process Equipment	1 LS	\$	147,574.54
91 Division 12 - Furnishings	1 LS	\$	-
92 Division 13 - Special Construction	1 LS	\$	-
93 Division 14 - Conveying Systems	1 LS	\$	58,118.27
94 Division 15 - Process Mechanical/Building Mechanical	1 LS	\$	652,406.81
95 Division 16 - Electrical	1 LS	\$	-
<b>UV Facility (Facilities 52 &amp; 53)</b>		<b>\$</b>	<b>1,472,820.00</b>
96 Division 2 - Site Construction	1 LS	\$	117,980.36
97 Division 3 - Concrete	1 LS	\$	478,566.79
98 Division 4 - Masonry	1 LS	\$	-
99 Division 5 - Metals	1 LS	\$	403,615.63
100 Division 6 - Wood & Plastics	1 LS	\$	-
101 Division 7 - Thermal & Moisture Protection	1 LS	\$	-
102 Division 8 - Openings	1 LS	\$	-
103 Division 9 - Finishes	1 LS	\$	96,855.68
104 Division 10 - Specialties	1 LS	\$	-
105 Division 11 - Process Equipment	1 LS	\$	122,100.92
106 Division 12 - Furnishings	1 LS	\$	-
107 Division 13 - Special Construction	1 LS	\$	-
108 Division 14 - Conveying Systems	1 LS	\$	-
109 Division 15 - Process Mechanical/Building Mechanical	1 LS	\$	253,700.45
110 Division 16 - Electrical	1 LS	\$	-
<b>Effluent Facility (Facility 55)</b>		<b>\$</b>	<b>1,040,971.00</b>
111 Division 2 - Site Construction	1 LS	\$	117,980.36
112 Division 3 - Concrete	1 LS	\$	461,595.11
113 Division 4 - Masonry	1 LS	\$	-
114 Division 5 - Metals	1 LS	\$	-
115 Division 6 - Wood & Plastics	1 LS	\$	-
116 Division 7 - Thermal & Moisture Protection	1 LS	\$	-



**Request For Proposal  
Bid Form - Subcontractors**

3/14/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

117 Division 8 - Openings	1 LS	\$	-
118 Division 9 - Finishes	1 LS	\$	4,347.78
119 Division 10 - Specialties	1 LS	\$	-
120 Division 11 - Process Equipment	1 LS	\$	140,681.27
121 Division 12 - Furnishings	1 LS	\$	-
122 Division 13 - Special Construction	1 LS	\$	-
123 Division 14 - Conveying Systems	1 LS	\$	-
124 Division 15 - Process Mechanical/Building Mechanical	1 LS	\$	316,366.89
125 Division 16 - Electrical	1 LS	\$	-
<b>Non-Potable Water (Facility 56)</b>		<b>\$</b>	<b>947,942.00</b>
126 Division 2 - Site Construction	1 LS	\$	117,980.36
127 Division 3 - Concrete	1 LS	\$	461,595.11
128 Division 4 - Masonry	1 LS	\$	-
129 Division 5 - Metals	1 LS	\$	-
130 Division 6 - Wood & Plastics	1 LS	\$	-
131 Division 7 - Thermal & Moisture Protection	1 LS	\$	-
132 Division 8 - Openings	1 LS	\$	-
133 Division 9 - Finishes	1 LS	\$	25,240.12
134 Division 10 - Specialties	1 LS	\$	-
135 Division 11 - Process Equipment	1 LS	\$	42,852.46
136 Division 12 - Furnishings	1 LS	\$	-
137 Division 13 - Special Construction	1 LS	\$	-
138 Division 14 - Conveying Systems	1 LS	\$	-
139 Division 15 - Process Mechanical/Building Mechanical	1 LS	\$	300,274.09
140 Division 16 - Electrical	1 LS	\$	-
<b>UV Electrical Building (Facility 54)</b>		<b>\$</b>	<b>756,181.00</b>
141 Division 2 - Site Construction	1 LS	\$	30,326.77
142 Division 3 - Concrete	1 LS	\$	130,593.89
143 Division 4 - Masonry	1 LS	\$	138,295.11
144 Division 5 - Metals	1 LS	\$	74,194.81
145 Division 6 - Wood & Plastics	1 LS	\$	-
146 Division 7 - Thermal & Moisture Protection	1 LS	\$	288,802.35
147 Division 8 - Openings	1 LS	\$	43,123.55
148 Division 9 - Finishes	1 LS	\$	47,770.56
149 Division 10 - Specialties	1 LS	\$	3,074.13
150 Division 11 - Process Equipment	1 LS	\$	-
151 Division 12 - Furnishings	1 LS	\$	-
152 Division 13 - Special Construction	1 LS	\$	-
153 Division 14 - Conveying Systems	1 LS	\$	-
154 Division 15 - Process Mechanical/Building Mechanical	1 LS	\$	-
155 Division 16 - Electrical	1 LS	\$	-
<b>Sodium Hypochlorite Storage/Feed Building (Facility 60)</b>		<b>\$</b>	<b>268,479.00</b>
156 Division 2 - Site Construction	1 LS	\$	30,326.77
157 Division 3 - Concrete	1 LS	\$	26,937.64
158 Division 4 - Masonry	1 LS	\$	-
159 Division 5 - Metals	1 LS	\$	15,507.50
160 Division 6 - Wood & Plastics	1 LS	\$	-



**Request For Proposal  
Bid Form - Subcontractors**

3/14/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

161 Division 7 - Thermal & Moisture Protection	1 LS	\$	-
162 Division 8 - Openings	1 LS	\$	-
163 Division 9 - Finishes	1 LS	\$	48,320.42
164 Division 10 - Specialties	1 LS	\$	-
165 Division 11 - Process Equipment	1 LS	\$	21,940.80
166 Division 12 - Furnishings	1 LS	\$	-
167 Division 13 - Special Construction	1 LS	\$	-
168 Division 14 - Conveying Systems	1 LS	\$	-
169 Division 15 - Process Mechanical/Building Mechanical	1 LS	\$	125,446.15
170 Division 16 - Electrical	1 LS	\$	-
<b>Biosolids Handling Building (Facility 72)</b>		\$	<b>6,783,671.00</b>
171 Division 2 - Site Construction	1 LS	\$	59,058.54
172 Division 3 - Concrete	1 LS	\$	1,943,645.16
173 Division 4 - Masonry	1 LS	\$	1,040,635.25
174 Division 5 - Metals	1 LS	\$	1,123,579.33
175 Division 6 - Wood & Plastics	1 LS	\$	-
176 Division 7 - Thermal & Moisture Protection	1 LS	\$	716,028.96
177 Division 8 - Openings	1 LS	\$	358,236.35
178 Division 9 - Finishes	1 LS	\$	302,210.13
179 Division 10 - Specialties	1 LS	\$	-
180 Division 11 - Process Equipment	1 LS	\$	265,476.27
181 Division 12 - Furnishings	1 LS	\$	-
182 Division 13 - Special Construction	1 LS	\$	-
183 Division 14 - Conveying Systems	1 LS	\$	167,560.76
184 Division 15 - Process Mechanical/Building Mechanical	1 LS	\$	807,239.84
185 Division 16 - Electrical	1 LS	\$	-
<b>Aerated Sludge Holding Tanks - ASHT (Facility 70)</b>		\$	<b>3,425,081.00</b>
186 Division 2 - Site Construction	1 LS	\$	39,904.02
187 Division 3 - Concrete	1 LS	\$	1,096,118.67
188 Division 4 - Masonry	1 LS	\$	-
189 Division 5 - Metals	1 LS	\$	767,344.49
190 Division 6 - Wood & Plastics	1 LS	\$	-
191 Division 7 - Thermal & Moisture Protection	1 LS	\$	-
192 Division 8 - Openings	1 LS	\$	-
193 Division 9 - Finishes	1 LS	\$	68,959.58
194 Division 10 - Specialties	1 LS	\$	-
195 Division 11 - Process Equipment	1 LS	\$	295,182.07
196 Division 12 - Furnishings	1 LS	\$	-
197 Division 13 - Special Construction	1 LS	\$	-
198 Division 14 - Conveying Systems	1 LS	\$	-
199 Division 15 - Process Mechanical/Building Mechanical	1 LS	\$	1,157,572.18
200 Division 16 - Electrical	1 LS	\$	-
<b>CONSTRUCTION BASE PRICE PROPOSAL TOTAL</b>		\$	<b>32,222,000.00</b>
201 Bonds			
202 Taxes (non-permanent material)			
<b>TOTAL BASE PROPOSAL PRICE</b>		\$	<b>32,222,000.00</b>



**Request For Proposal  
Bid Form - Subcontractors**

3/14/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

**SECTION 2 - ALTERNATES & VALUE ENGINEERING**

ITEM	DESCRIPTION	QTY	UNIT	COST
1	Facility 45 - D110 Wire Wrapped Tanks	1	LS	No Additional Cost
2	Facility 70 - D110 Wire Wrapped Tanks	1	LS	No Additional Cost
3	F55-1: Supplemental Post Aeration	1	LS	\$ 275,118.28
4	D110 Tank Slab & Pier Optimization	1	LS	\$ (1,426,096.00)
5				\$ -
6				\$ -

**SECTION 3 - ADDENDA**

Acknowledge Receipt of Addenda by Adding Date Issued and Initial below:			Initial	Date
Addendum No. 1			PB	1/11/2024
Addendum No. 2			N/A	N/A
Addendum No. 3			PB	1/17/2024
Addendum No. 4			PB	1/26/2024
Addendum No. 5			PB	2/1/2024
Addendum No. 6			PB	2/9/2024
Addendum No. 7			PB	2/19/2024
Addendum No. 8			PB	2/28/2024
Addendum No. 9			PB	3/6/2024

**SECTION 4 - ASSUMPTIONS AND CLARIFICATIONS**

Please list all Assumptions & Clarifications below (Add additional line items as necessary)

**In the event that PLW Waterworks is selected to negotiate multiple packages, PLW is willing to discuss potential General**

- Conditions efficiencies that may be realized.**
- Supplier for Refrigerated Sampler Equipment can only provide a 24 months from shipment date.
- Manufacturer indicated that no special tools are required for section 2.6
- Protective coatings for basins in BOP3 are not included.
- We have assumed that all galvanized steel is not to receive protective or finish coatings
- Progressing Cavity Pumps manufacturer, NETZSCH to provide stators with integrally molded seals.
- Monorails and hoists included are manufactured by Harrington. Detroit will manufacture the wire rope hoist/trolley.
- Building signage is not included in this package
- Separate bonds are not included for CMAR self-perform packages.
- 
- 
- 
- 
- 
- 

**SECTION 5 - ADDITIONAL TERMS AND PROVISIONS**



**Request For Proposal  
Bid Form - Subcontractors**

3/14/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

This Proposal shall be valid for a period of not less than ninety (90) days from the Bid Due Date as amended.

This contract is contingent upon the release of funds from the Texas Water Development Board (TWDB).

The CMAR reserves the right to reject any and all Bids, to waive any and all informalities not involving price, time, or changes in the Work, and to negotiate contract terms with the Successful Bidder and the right to disregard all nonconforming, nonresponsive, unbalanced, or conditional Bids. Also, the CMAR reserves the right to reject the Bid of any Bidder if the CMAR believes that it would not be in the best interest of the Project to make an award to that Bidder, whether because the Bid is not responsive, or the Bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established by the CMAR. In evaluating Bids, the CMAR will consider the qualifications of the Bidders, whether the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.

**OWNER REQUIRED- Due to TWDB being the project funding source:**

Agreed to Current TWDB-0551 Supplemental Conditions (yes or no):	<input type="checkbox"/>
Agreed to American Iron & Steel Requirements of This Contract (yes or no):	<input type="checkbox"/>
Agreed to Davis-Bacon Wage Rate Requirements of the Contract (yes or no):	<input type="checkbox"/>
Agreed to Current EPA Fair Share Policy and Fair Share Goals (yes or no):	<input type="checkbox"/>

**PLW TERMS & CONDITIONS:**

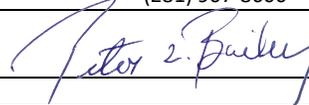
Agreed to PLW Terms and Conditions (yes or no):

If NO- Please attach a Request for Modifications/Sample Subcontract Markup to this bid.

**Additional Information:**

Percentage of MWDBE Participation Provided as a Part of This Bid:

Company Name: PLW WATERWORKS LLC  
 Contact Name and Title: Peter Bailey, Executive Vice President  
 Contact Phone Number: (281) 907-8600

Signature: 

<u>Bid Evaluation Criteria:</u>	<b>Weighting Value</b>
<b>Description</b>	
<b>Cost Proposal</b>	
Complete Bid Package Cost <i>(Lowest Price/Evaluated Proposal Price) x Points Available = Score</i>	50 Points
<b>Technical Proposal</b>	
Safety (EMR & TRIR) <i>(Provide your current Workers Compensation Experience Rating (EMR) and current Total Recordable Incident Rate (TRIR) and attached additional supporting data)</i>	10 Points
Experience and Qualifications <i>(Provide Subcontractor Information Form, Project Approach and Schedule)</i>	30 Points
<b>Compliance with Proposal Terms and Conditions</b>	
Conformance with Bid Package Requirements <i>(Any exclusions to the contract documents or design requirements Need to be listed on company's letterhead and submitted with the proposal.)</i>	10 Points
<b>TOTAL</b>	<b>100 Points</b>

# BOP6-01.01 Package

- » Recommendation Letter
- » Package Comparison Chart
- » Recommended Bidder
  - Bid Form
  - Proposal
- » Bidder 2
  - Bid Form
  - Proposal



## Work Package Recommendation

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR  
Area 6 Package | BOP6-01.01  
PLW Project #: P5K

Enclosed is a recommendation for the selection of a subcontractor to provide services for the above-mentioned project. All bids have been evaluated, irregularities between proposals were clarified with bidders and factored into evaluation.

Please review the following documents and accept or decline the recommendation.

- Bid Tabulation and Comparison Charts (CompCharts)
- Proposal documents for Recommended Bidder
- Bid Forms for additional bidders

Your acceptance of our recommendation will initiate the contract process with the named vendor. However, contracts would not be executed until the applicable GMP proposal pricing has been accepted by the City Council.

Thank you,

PLW Waterworks Project Team



## Work Package Recommendation Narrative

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR  
Area 6 Package | BOP6-01.01  
PLW Project #: P5K

### **Recommended Bidder: Sirius Building Company**

Seven (7) companies were solicited to bid on this scope of work to:

Furnish all labor, material, and equipment to provide a turnkey product for the facilities in Area 6. Subcontractor to coordinate with CMAR and other area subcontractors for proper installation of equipment per Contract Documents. Pricing will need to reflect AIS requirements. The scope for the entire project is not limited to what is summarized on the bid form.

Only two (2) fully submitted a bid on time and in compliance with the scope of work and requirements.

#### **Bidder 1: Sirius Building Company**

The bidder was the lowest bidder and received the highest score on cost and considered tabulation.

#### **Bidder 2: Huband-Mantor Construction, Inc. (HMC)**

This bidder was the higher bidder on cost and second in the bid tabulation.

We recommend proceeding with the bid proposal from Sirius Building Company based on their quote and qualifications. We believe we will be able to come to terms and execute a contract with Sirius Building Company for this package as PLW has experience working with them.

## City of Pflugerville, Texas: Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)

Bid Package BOP6\_01.01 - Area 6 (Commercial Buildings) Package

Bid Tabulation		Sirius Building Company				HMC							
Bid Item	BUDGETED		BIDDER 1		BIDDER 2		BIDDER 3		BIDDER 4		BIDDER 5		
	QTY	UOM	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	
Division 1 - General Conditions	1	LS		\$ -		\$ 851,776.00		\$ -		\$ -		\$ -	
Division 1 - Quality Control Testing & Inspection	1	LS		\$ -	By Owner	\$ -		\$ -		\$ -		\$ -	
Division 1 - Startup & Commissioning	1	LS		\$ -		\$ 50,000.00		\$ -		\$ -		\$ -	
Division 1 - Mob/Demob	1	LS		\$ -		\$ 240,000.00		\$ -		\$ -		\$ -	
Division 1 - Trench Safety (Must provide unit cost, per TWDB)		LF		\$ -	N/A	\$ -		\$ -		\$ -		\$ -	
Operations and Laboratory Building #1 (Facility 85)				\$ 3,107,432.66		\$ 3,924,619.00							
Maintenance and Storage Building #1 (Facility 86)				\$ 2,284,191.41		\$ 2,404,198.00							
Main Plant Electrical Building #1 (Facility 88)				\$ 1,375,546.60		\$ 1,538,500.00							
Generator Transformer Pad #1 (Facility 89)				\$ 509,154.87		\$ 1,150,000.00							
Bonds			\$ 190,695.59	\$ 190,695.59	\$ -	\$ -		\$ -		\$ -		\$ -	
Taxes (non-permanent material)			\$ -	\$ -	\$ -	\$ -		\$ -		\$ -		\$ -	
			\$ -	\$ -	\$ -	\$ -		\$ -		\$ -		\$ -	
<b>Total: Base Bid</b>				<b>\$ 7,467,021.13</b>		<b>\$ 10,159,093.00</b>		<b>\$ -</b>		<b>\$ -</b>		<b>\$ -</b>	
% Variance from Low Bid				0%		36.05%		0.00%				0.00%	
Submittals		WK											
Fabrication & Delivery		WK											
Erection		WK											
Duration of Construction		Days											
Proposal Terms and Conditions:													
Agreed to PLW T&C		Y/N		N*		Y							
Agreed to TWDB-0551 Supplemental Conditions		Y/N		Y		Y							
Agreed American Iron & Steel Req.		Y/N		Y		Y							
Agreed to Davis-Bacon Wage Rates		Y/N		Y		Y							
Agreed to EPA Fair Share Policy		Y/N		Y		Y							
% MWBE Participation		%				20%							
Qualification Forms Submitted		Y/N		Y		Y							
Acknowledge Receipt of Addenda		Y/N		Y*		Y*							
Technical Proposal													
Scope of Work		Y/N				Y							
Project Approach		Y/N		Y		Y							
Project Experience		Y/N		Y		Y							
Project Team Organization/Key Personnel		Y/N		Y		Y							
Schedule		Y/N		Y		Y							
Safety		Y/N		Y		Y							
Bid Bond		Y/N				Y							

Ranking Tabulation		1	2	3	4	5
Bid Item	Weight	Sirius Building Company	HMC	0	0	0
Total Base Bid (Lowest Price/Evaluated Proposal Price) x Points Available = Score	50%	50.00	36.75	#DIV/0!	#DIV/0!	#DIV/0!
Technical Proposal - Safety	10%	10.00	10.00			
Technical Proposal - Experience and Qualifications	30%	30.00	25.00			
Compliance with Proposal Terms and Conditions (See list above)	10%	10.00	10.00			
<b>Total Points</b>	<b>100%</b>	<b>100.00</b>	<b>81.75</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>

Date of Recommendation:	03/29/24
Recommended Vendor	Sirius Building Company
Contract Value:	\$7,467,021.13
Recommended By:	Triston Young, PLW Waterworks

# **Sirius Building Company**



**Request For Proposal  
Bid Form - Subcontractors**

2/27/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

**PACKAGE NO.:** BOP6-01.01  
**PACKAGE DESCRIPTION:** Area 6 - Commercial Buildings  
**PROPOSER'S COMPANY NAME:** Sirius Building Company

The undersigned, having carefully examined the Proposal Documents and the site of the proposed Work, and being familiar with existing conditions and obstacles under which the Work is to be performed, hereby offers and agrees to furnish all labor, materials, and services necessary to execute the proposed Work and has included all costs associated therewith in the preparation of its Proposal.

**TOTAL BASE PROPOSAL PRICE:**

In Words:	Seven million, four hundred sixty-seven thousand, twenty-one and thirteen cents
In Figures: \$	\$7,467,021.13

SECTION 1 - DIRECT COST				
ITEM	DESCRIPTION	QTY	UNIT	COST
1	Division 1 - General Conditions	1	LS	\$ -
2	Division 1 - Quality Control Testing & Inspection	1	LS	\$ -
3	Division 1 - Startup & Commissioning	1	LS	\$ -
4	Division 1 - Mob/Demob	1	LS	\$ -
5	Division 1 - Trench Safety <small>(Must provide unit cost, per TWDB)</small>	1	LF	\$ -
<b>Operations and Laboratory Building #1 (Facility 85)</b>				
6	Division 2 - Site Construction	1	LS	\$ -
7	Division 3 - Concrete	1	LS	\$ 621,675.68
8	Division 4 - Masonry	1	LS	\$ 186,478.07
9	Division 5 - Metals	1	LS	\$ 1,198,537.33
10	Division 6 - Wood & Plastics	1	LS	\$ 71,023.51
11	Division 7 - Thermal & Moisture Protection	1	LS	\$ 86,506.76
12	Division 8 - Openings	1	LS	\$ 185,885.72
13	Division 9 - Finishes	1	LS	\$ 248,528.34
14	Division 10 - Specialties	1	LS	\$ 56,164.33
15	Division 11 - Process Equipment	1	LS	\$ -
16	Division 12 - Furnishings	1	LS	\$ 136,364.22
17	Division 13 - Special Construction	1	LS	\$ -
18	Division 14 - Conveying Systems	1	LS	\$ -
19	Division 15 - Process Mechanical/Building Mechanical	1	LS	\$ 316,268.70
20	Division 16 - Electrical	1	LS	\$ -
<b>Maintenance and Storage Building #1 (Facility 86)</b>				
21	Division 2 - Site Construction	1	LS	\$ -
22	Division 3 - Concrete	1	LS	\$ 648,654.05
23	Division 4 - Masonry	1	LS	\$ 313,435.97
24	Division 5 - Metals	1	LS	\$ 689,702.49
25	Division 6 - Wood & Plastics	1	LS	\$ -
26	Division 7 - Thermal & Moisture Protection	1	LS	\$ 137,447.80
27	Division 8 - Openings	1	LS	\$ 113,430.01



**Request For Proposal  
Bid Form - Subcontractors**

2/27/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

28 Division 9 - Finishes	1 LS	\$	170,259.37
29 Division 10 - Specialties	1 LS	\$	9,187.80
30 Division 11 - Process Equipment	1 LS	\$	33,635.00
31 Division 12 - Furnishings	1 LS	\$	-
32 Division 13 - Special Construction	1 LS	\$	-
33 Division 14 - Conveying Systems	1 LS	\$	-
34 Division 15 - Process Mechanical/Building Mechanical	1 LS	\$	168,438.92
35 Division 16 - Electrical	1 LS	\$	-
<b>Main Plant Electrical Building #1 (Facility 88)</b>			
36 Division 2 - Site Construction	1 LS	\$	-
37 Division 3 - Concrete	1 LS	\$	475,054.05
38 Division 4 - Masonry	1 LS	\$	313,828.92
39 Division 5 - Metals	1 LS	\$	139,677.82
40 Division 6 - Wood & Plastics	1 LS	\$	-
41 Division 7 - Thermal & Moisture Protection	1 LS	\$	292,919.50
42 Division 8 - Openings	1 LS	\$	41,941.99
43 Division 9 - Finishes	1 LS	\$	111,289.33
44 Division 10 - Specialties	1 LS	\$	834.99
45 Division 11 - Process Equipment	1 LS	\$	-
46 Division 12 - Furnishings	1 LS	\$	-
47 Division 13 - Special Construction	1 LS	\$	-
48 Division 14 - Conveying Systems	1 LS	\$	-
49 Division 15 - Process Mechanical/Building Mechanical	1 LS	\$	-
50 Division 16 - Electrical	1 LS	\$	-
<b>Generator Transformer Pad #1 (Facility 89)</b>			
51 Division 2 - Site Construction	1 LS	\$	-
52 Division 3 - Concrete	1 LS	\$	72,724.32
53 Division 4 - Masonry	1 LS	\$	-
54 Division 5 - Metals	1 LS	\$	407,381.87
55 Division 6 - Wood & Plastics	1 LS	\$	-
56 Division 7 - Thermal & Moisture Protection	1 LS	\$	-
57 Division 8 - Openings	1 LS	\$	-
58 Division 9 - Finishes	1 LS	\$	29,048.68
59 Division 10 - Specialties	1 LS	\$	-
60 Division 11 - Process Equipment	1 LS	\$	-
61 Division 12 - Furnishings	1 LS	\$	-
62 Division 13 - Special Construction	1 LS	\$	-
63 Division 14 - Conveying Systems	1 LS	\$	-
64 Division 15 - Process Mechanical/Building Mechanical	1 LS	\$	-
65 Division 16 - Electrical	1 LS	\$	-
<b>CONSTRUCTION BASE PRICE PROPOSAL TOTAL</b>			
66 Bonds		\$	190,695.59
67 Taxes (non-permanent material)			0
		<b>TOTAL BASE PROPOSAL PRICE</b>	<b>\$ 7,467,021.13</b>



**Request For Proposal  
Bid Form - Subcontractors**

2/27/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

**SECTION 2 - ALTERNATES & VALUE ENGINEERING**

ITEM	DESCRIPTION	QTY	UNIT	COST
1			LS	\$ -
2			LS	\$ -
3			LS	\$ -
4			LS	\$ -
5				\$ -
6				\$ -

**SECTION 3 - ADDENDA**

Acknowledge Receipt of Addenda by Adding Date Issued and Initial below:		Initial	Date
Addendum No. 1		BG	11-Jan
Addendum No. 2			N/A
Addendum No. 3		BG	17-Jan
Addendum No. 4		BG	26-Jan
Addendum No. 5		BG	1-Feb
Addendum No. 6		BG	9-Feb

**SECTION 4 - ASSUMPTIONS AND CLARIFICATIONS**

- Please list all Assumptions & Clarifications below (Add additional line items as necessary)
- 1 No Permits, Plans, ADA Review, Asbestos Survey Included
  - 2 No Sales Tax Included - Assumes Tax Exempt Certificate
  - 3 No Fire Alarm / Fire Sprinkler Work Currently Included
  - 4 Bid excludes landlord fees or deposits.
  - 5 Bid excludes parking fees for our employees and contractors.
  - 6 No temporary utility fees included in this bid.
  - 7 Bid is based on regular work hours. After hours, night, or weekend work could add additional costs.
  - 8 Bid excludes any municipality charges, impact fees, or water meter tap fees.
  - 9 Bid excludes security systems.
  - 10 Bid excludes rock, debris, or any foreign object excavation if encountered during excavation of plumbing trenches.
  - 11 Due to the volatility of the market, the pricing on this bid is only valid for 30 days. Sirius will do its best to maintain costs if the project is awarded
  - 12 Changes to scope of work and/or unforeseen conditions could affect pricing.
  - 13 Bid assumes plumbing to be brought up to 5' from building
  - 14 General conditions, insurance, supervision, overhead and fee are allocated to cost codes. Removal of scope could affect total project costs.
  - 15 No bid bond
  - 16 P&P Bond priced for subcontractor bonding, not Sirius
  - 17 Prices assumes project is under one mobilization

**SECTION 5 - ADDITIONAL TERMS AND PROVISIONS**

This Proposal shall be valid for a period of not less than ninety (90) days from the Bid Due Date as amended.



## Request For Proposal Bid Form - Subcontractors

2/27/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

This contract is contingent upon the release of funds from the Texas Water Development Board (TWDB). The CMAR reserves the right to reject any and all Bids, to waive any and all informalities not involving price, time, or changes in the Work, and to negotiate contract terms with the Successful Bidder and the right to disregard all nonconforming, nonresponsive, unbalanced, or conditional Bids. Also, the CMAR reserves the right to reject the Bid of any Bidder if the CMAR believes that it would not be in the best interest of the Project to make an award to that Bidder, whether because the Bid is not responsive, or the Bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established by the CMAR. In evaluating Bids, the CMAR will consider the qualifications of the Bidders, whether the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.

**OWNER REQUIRED- Due to TWDB being the project funding source:**

Agreed to Current TWDB-0551 Supplemental Conditions (yes or no):	Yes
Agreed to American Iron & Steel Requirements of This Contract (yes or no):	Yes
Agreed to Davis-Bacon Wage Rate Requirements of the Contract (yes or no):	Yes
Agreed to Current EPA Fair Share Policy and Fair Share Goals (yes or no):	Yes

**PLW TERMS & CONDITIONS:**

Agreed to PLW Terms and Conditions (yes or no): <small>If NO- Please attach a Request for Modifications/Sample Subcontract Markup to this bid.</small>	No (Ref. PLW Midlothian contract)
-----------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------

**Additional Information:**

Percentage of MWDBE Participation Provided as a Part of This Bid:	Provided upon request
-------------------------------------------------------------------	-----------------------

Company Name: Sirius Building Company  
 Contact Name and Title: Beau Glover | Preconstruction Manager  
 Contact Phone Number: 214-673-2368  
 Signature: \_\_\_\_\_

<b><u>Bid Evaluation Criteria:</u></b>	<b>Weighting Value</b>
<b>Description</b>	
<b>Cost Proposal</b>	
Complete Bid Package Cost <i>(Lowest Price/Evaluated Proposal Price) x Points Available = Score</i>	50 Points
<b>Technical Proposal</b>	
Safety (EMR & TRIR) <i>(Provide your current Workers Compensation Experience Rating (EMR) and current Total Recordable Incident Rate (TRIR) and attached additional supporting data)</i>	10 Points
Experience and Qualifications <i>(Provide Subcontractor Information Form, Project Approach and Schedule)</i>	30 Points
<b>Compliance with Proposal Terms and Conditions</b>	
Conformance with Bid Package Requirements <i>(Any exclusions to the contract documents or design requirements Need to be listed on company's letterhead and submitted with the proposal.)</i>	10 Points
<b>TOTAL</b>	<b>100 Points</b>

# **Huband-Mantor Construction**





**Request For Proposal  
Bid Form - Subcontractors**

2/23/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

29 Division 10 - Specialties	1 LS	\$	22,000.00
30 Division 11 - Process Equipment	1 LS	N/A	
31 Division 12 - Furnishings	1 LS	N/A	
32 Division 13 - Special Construction	1 LS	N/A	
33 Division 14 - Conveying Systems	1 LS	N/A	
34 Division 15 - Process Mechanical/Building Mechanical	1 LS	\$	240,000.00
35 Division 16 - Electrical	1 LS	N/A	
<b>Main Plant Electrical Building #1 (Facility 88)</b>			
36 Division 2 - Site Construction	1 LS	\$	175,000.00
37 Division 3 - Concrete	1 LS	\$	556,000.00
38 Division 4 - Masonry	1 LS	\$	210,000.00
39 Division 5 - Metals	1 LS	\$	110,000.00
40 Division 6 - Wood & Plastics	1 LS	\$	10,800.00
41 Division 7 - Thermal & Moisture Protection	1 LS	\$	148,000.00
42 Division 8 - Openings	1 LS	\$	159,500.00
43 Division 9 - Finishes	1 LS	\$	159,000.00
44 Division 10 - Specialties	1 LS	\$	10,200.00
45 Division 11 - Process Equipment	1 LS	N/A	
46 Division 12 - Furnishings	1 LS	N/A	
47 Division 13 - Special Construction	1 LS	N/A	
48 Division 14 - Conveying Systems	1 LS	N/A	
49 Division 15 - Process Mechanical/Building Mechanical	1 LS	N/A	
50 Division 16 - Electrical	1 LS	N/A	
<b>Generator Transformer Pad #1 (Facility 89)</b>			
51 Division 2 - Site Construction	1 LS	\$	50,000.00
52 Division 3 - Concrete	1 LS	\$	650,000.00
53 Division 4 - Masonry	1 LS	\$	-
54 Division 5 - Metals	1 LS	\$	450,000.00
55 Division 6 - Wood & Plastics	1 LS	N/A	
56 Division 7 - Thermal & Moisture Protection	1 LS	N/A	
57 Division 8 - Openings	1 LS	N/A	
58 Division 9 - Finishes	1 LS	N/A	
59 Division 10 - Specialties	1 LS	N/A	
60 Division 11 - Process Equipment	1 LS	N/A	
61 Division 12 - Furnishings	1 LS	N/A	
62 Division 13 - Special Construction	1 LS	N/A	
63 Division 14 - Conveying Systems	1 LS	N/A	
64 Division 15 - Process Mechanical/Building Mechanical	1 LS	N/A	
65 Division 16 - Electrical	1 LS	N/A	
<b>CONSTRUCTION BASE PRICE PROPOSAL TOTAL</b>			
66 Bonds			
67 Taxes (non-permanent material)			
		<b>TOTAL BASE PROPOSAL PRICE</b>	<b>\$ 10,159,093.00</b>



**Request For Proposal  
Bid Form - Subcontractors**

2/23/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

**SECTION 2 - ALTERNATES & VALUE ENGINEERING**

ITEM	DESCRIPTION	QTY	UNIT	COST
1			LS	\$ -
2			LS	\$ -
3			LS	\$ -
4			LS	\$ -
5				\$ -
6				\$ -

**SECTION 3 - ADDENDA**

Acknowledge Receipt of Addenda by Adding Date Issued and Initial below:	Initial	Date
Addendum No. 1	RT	2/23/2024
Addendum No. 2	RT	2/24/2024
Addendum No. 3	RT	2/25/2024
Addendum No. 4	RT	2/26/2024
Addendum No. 5	RT	2/27/2024
Addendum No. 6	RT	2/28/2024

**SECTION 4 - ASSUMPTIONS AND CLARIFICATIONS**

Please list all Assumptions & Clarifications below (Add additional line items as necessary)

1	No Fire riser/sprinkler system will be installed for building per plans
2	Third-party testing is by owner
3	Electrical & HVAC are to be awarded under separate bid packages & coordinated with BOP6 awarded GC.
4	
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**SECTION 5 - ADDITIONAL TERMS AND PROVISIONS**

This Proposal shall be valid for a period of not less than ninety (90) days from the Bid Due Date as amended.  
This contract is contingent upon the release of funds from the Texas Water Development Board (TWDB).



**Request For Proposal  
Bid Form - Subcontractors**

2/23/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

The CMAR reserves the right to reject any and all Bids, to waive any and all informalities not involving price, time, or changes in the Work, and to negotiate contract terms with the Successful Bidder and the right to disregard all nonconforming, nonresponsive, unbalanced, or conditional Bids. Also, the CMAR reserves the right to reject the Bid of any Bidder if the CMAR believes that it would not be in the best interest of the Project to make an award to that Bidder, whether because the Bid is not responsive, or the Bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established by the CMAR. In evaluating Bids, the CMAR will consider the qualifications of the Bidders, whether the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.

**OWNER REQUIRED- Due to TWDB being the project funding source:**

Agreed to Current TWDB-0551 Supplemental Conditions (yes or no):	<input type="checkbox"/>
Agreed to American Iron & Steel Requirements of This Contract (yes or no):	<input type="checkbox"/>
Agreed to Davis-Bacon Wage Rate Requirements of the Contract (yes or no):	<input type="checkbox"/>
Agreed to Current EPA Fair Share Policy and Fair Share Goals (yes or no):	<input type="checkbox"/>

**PLW TERMS & CONDITIONS:**

Agreed to PLW Terms and Conditions (yes or no):	<input type="checkbox"/>
-------------------------------------------------	--------------------------

If NO- Please attach a Request for Modifications/Sample Subcontract Markup to this bid.

**Additional Information:**

Percentage of MWDBE Participation Provided as a Part of This Bid:	20%
-------------------------------------------------------------------	-----

Company Name: Huband-Mantor Construction, LLC  
 Contact Name and Title: Rhett Townsend - Project Manager  
 Contact Phone Number: 830-816-5477  
 Signature: \_\_\_\_\_

<u>Bid Evaluation Criteria:</u>	<b>Weighting Value</b>
<b>Description</b>	
<b>Cost Proposal</b>	
Complete Bid Package Cost <i>(Lowest Price/Evaluated Proposal Price) x Points Available = Score</i>	50 Points
<b>Technical Proposal</b>	
Safety (EMR & TRIR) <i>(Provide your current Workers Compensation Experience Rating (EMR) and current Total Recordable Incident Rate (TRIR) and attached additional supporting data)</i>	10 Points
Experience and Qualifications <i>(Provide Subcontractor Information Form, Project Approach and Schedule)</i>	30 Points
<b>Compliance with Proposal Terms and Conditions</b>	
Conformance with Bid Package Requirements <i>(Any exclusions to the contract documents or design requirements Need to be listed on company's letterhead and submitted with the proposal.)</i>	10 Points
<b>TOTAL</b>	<b>100 Points</b>

# BOP7-01.01 Package

- » Recommendation Letter
- » Package Comparison Chart
- » Recommended Bidder
  - Bid Form
  - Proposal
- » Bidder 2
  - Bid Form
  - Proposal
- » Bidder 3
  - Bid Form
  - Proposal



3755 S. Capital of Texas Highway  
Suite 325  
Austin, TX 78704  
TEL 512.485.0009  
FAX 512.485.0010  
[www.GarverUSA.com](http://www.GarverUSA.com)

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April 29, 2024

Jeff Dunsworth, P.E., CFM  
City Engineer  
City of Pflugerville  
15500 Sun Light Near Way  
Suite B, Bldg 6  
Pflugerville, Texas 78660

Re: City of Pflugerville  
PLW Job No.: P5K  
Recommendation of Award  
WCRWWTF Phase 1 Construction – GMP2 – BOP 7-01.01

Dear Mr. Dunsworth:

The purpose of this letter is to provide a recommendation of award to the Construction Manager at-Risk (CMAR), PLW Waterworks, Inc. (PLW), to Self-Perform Balance of Plant Package 7-01.01 for the Yard Pipe Package on the Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF) for the Guaranteed Maximum Price No. 2 (GMP 2).

The Balance of Plant Package (BOP) started advertisement on January 9, 2024; bids were required to be delivered for BOP 7-01.01 Yard Piping work package on March 15, 2024. Three sealed bids were received on the BOP 7-01.01 for Yard Piping from PLW, WPM Construction Services, and Joe Bland Construction for \$19,037,000.00, \$17,238,450.00, and \$21,345,278.00 respectively.

Garver has participated with the City Team, including City Staff, the Owner's Representative (STV), and Construction Manager (Ardurra). The team reviewed the bid, provided the scoring evaluation, and has recommended award of the BOP 7-01.01 to PLW Waterworks. STV has prepared a summary of the evaluation and award process. Garver has reviewed the letter and concurs with the scoring process and evaluation indicated.

In summary, Garver has completed review of the BOP 7-01.01 and recommends PLW to conduct self-performance in the amount of \$19,037,000.00 (or alternate value as reflected through further negotiation of the BOP Package) for award. The package shall be provided in accordance with the contract plans and specifications and any deviations from the contract plans and specifications shall be at PLW's risk and cost. PLW is the CMAR responsible for providing a complete and operational project as specified in the Contract Documents and acceptance of these work packages does not alleviate the CMAR's responsibility in any way, of providing the City a complete and operational project as specified in the Contract Documents.

City of Pflugerville  
Wilbarger Creek Regional Wastewater Treatment Facility Phase 1  
PLW Job No. P5K  
Recommendation of Award – GMP 2-BOP 7-01.01  
April 29, 2024  
Page 2 of 2

If you have any questions, please contact me at 210.447.6253 or at [gtswoboda@garverusa.com](mailto:gtswoboda@garverusa.com).

Sincerely,

A handwritten signature in blue ink that reads "Greg J. Swoboda". The signature is written in a cursive style.

Greg Swoboda, P.E.  
Project Manager  
GARVER, LLC

Xc: Romulus Atanasiu, City of Pflugerville  
Brandon Pritchett, City of Pflugerville  
Ryan Owen, STV  
Dawn Anderson, STV  
Denise Miller, STV  
Yue Sun, Ardurra  
Dean Gorell, Ardurra  
Tyson Hann, Garver

**Date:** 04/30/24

**Project Name:** City of Pflugerville Wilbarger Creek Regional Wastewater Treatment Facility Phase 1 Construction – BOP7-01.01 Package

**Owner:** City of Pflugerville

**Contact:** Jeff Dunsworth, P.E. City Engineer

**Pflugerville Project No:** 103

**TWDB CWSRF Project No:** 73898

**Recommendation:** PLW Waterworks to Self-Perform

Dear Mr. Dunsworth:

The purpose of this letter is to provide a recommendation of award to the Construction Manager-at-Risk, PLW Waterworks to self-perform BOP7-01.01 Yard Pipe Package with Weiss Lane Lift Station Decommission. Kimley-Horn issued Design Revision 5A, as part of Addendum Number 2 on January 12, 2024, which incorporated the Weiss Lane Lift Station Decommission into the WC RWWTF Contract Documents under Kimley-Horn as the Engineer of Record.

The Weiss Lane Decommission plan was bid as part of the base bid within BOP7-01.01 under Division 21 and there were two bids evaluated: PLW Waterworks and WPM Construction. The engineers estimate for the Weiss Lane Lift Station decommission portion of the bid was approximately \$243,000.

The PLW Waterworks bid for BOP7-01.01 at an amount of \$16,837,000.00 which includes the Weiss Lane Lift Station Decommission cost at \$243,473.00.

WPM Construction also bid the project at an amount of \$17,238,450.00 which includes the Weiss Lane Lift Station Decommission estimate at \$967,000.

Based on the outcome of this bid, we recommend that PLW Waterworks be selected to construct these improvements at the bid price listed above.

If you have any questions or comments, please contact me at the phone number or email provided below.

By: 

Lance Parisher, P.E.  
[lance.parisher@kimley-horn.com](mailto:lance.parisher@kimley-horn.com)  
737-263-2017

Triston Bing-Young      PLW      virtual  
 Dean Gorell      ardurra      virtual  
 Dawn anderson      STV      virtual  
 Ryan Owen      STV      1 Person



Bid Tab - City of Pflugerville WCRWWTF Phase I Construction  
 CMAR - Balance of Plant (BOP) Package

Present During Bid Proposal Opening:      Name of Attendee      Employer      In Person or Virtual

Package: BOP7-01.01\_Yard Piping Package  
 Date: 3/15/24  
 Time: 11:00 am

RICHARD VILLASANA	PLW	IN PERSON
MARIA LOPEZ	PLW	IN PERSON
JEFF L. DUNSWORTH	City of Pflugerville	IN PERSON
Mike Russ	STV	IN PERSON
JESSICA TAYLOR	STV	IN PERSON

Bid Proposal Package Checklist	Offeror 1	Offeror 2	Offeror 3
Offeror Name	PLW Waterworks	WDM CONSTRUCTION	Joe Bland Construction, LP
Completed Bid Form	Y	Y	Y - sent to PLW email at 10:51am
City of Pflugerville Bid Bond	Y		Y

Section 1 - Direct Costs					
Bid Item	Description	Quantity	U/M	Unit Price	Total
	Total Base Proposal Price				19,037,000.00

Section 2 - Alternatives & Value Engineering					
Bid Item	Description	Quantity	U/M	Unit Price	Total
1	Yard Pipe Excavation Detail		LS	\$ (1,146,359.82)	
2	CM Procures yard piping (Storm ex.)		LS	\$ -	\$ (5,490,000.00)
3	8' x 5' Box Culvert alt.		LS	\$ -	\$ (448,500.00)
4			LF	\$ -	\$ -
5				\$ -	\$ -
6				\$ -	\$ -

The contents of each opened Bid Proposal Package were verified at the Bid Proposal Opening as attested by signature below. The find award of the contract will be based on the evaluation of the bids that provide the best value to the City of Pflugerville on the WCRWWTF Phase I Construction project as indicated in the Contract Documents.

Bid Proposal Opening Verification:	JEFF L. DUNSWORTH	JEFF L. DUNSWORTH	3/15/24
	Printed Name	Signature	Date
	Brendan Pritchett	[Signature]	3/15/24
	Printed Name	Signature	Date
Bid Proposal Opening Verification Witnessed by:	Jessica Taylor	Jessica Taylor	3/15/24
	Printed Name	Signature	Date
		Printed Name	Signature



# **PLW Self-Perform**



**Request For Proposal  
Bid Form - Subcontractors**

3/14/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

**PACKAGE NO.:** BOP7-01.01  
**PACKAGE DESCRIPTION:** Yard Pipe Package  
**PROPOSER'S COMPANY NAME:** PLW Waterworks, LLC

The undersigned, having carefully examined the Proposal Documents and the site of the proposed Work, and being familiar with existing conditions and obstacles under which the Work is to be performed, hereby offers and agrees to furnish all labor, materials, and services necessary to execute the proposed Work and has included all costs associated therewith in the preparation of its Proposal.

**TOTAL BASE PROPOSAL PRICE:**

In Words: Nineteen Million Thirty Seven Thousand  
 In Figures: \$ 19,037,000.00

SECTION 1 - DIRECT COST				
ITEM	DESCRIPTION	QTY	UNIT	COST
1	Division 1 - General Conditions	1	LS	\$ 2,203,737.00
2	Division 1 - Quality Control Testing & Inspection	1	LS	\$ -
3	Division 1 - Startup & Commissioning	1	LS	\$ -
4	Division 1 - Mob/Demob	1	LS	\$ -
5	Division 1 - Trench Safety <small>(Must provide unit cost, per TWDB)</small>	1800	LF	\$ 48,600.00
	<b>Yard Pipe Package</b>			<b>\$ 16,541,190.00</b>
6	Division 2 - Site Construction	1	LS	\$ 127,472.76
7	Division 3 - Concrete	1	LS	\$ 365,306.47
8	Division 4 - Masonry	1	LS	\$ -
9	Division 5 - Metals	1	LS	\$ -
10	Division 6 - Wood & Plastics	1	LS	\$ -
11	Division 7 - Thermal & Moisture Protection	1	LS	\$ -
12	Division 8 - Openings	1	LS	\$ -
13	Division 9 - Finishes	1	LS	\$ -
14	Division 10 - Specialties	1	LS	\$ -
15	Division 11 - Process Equipment	1	LS	\$ -
16	Division 12 - Furnishings	1	LS	\$ -
17	Division 13 - Special Construction	1	LS	\$ -
18	Division 14 - Conveying Systems	1	LS	\$ -
19	Division 15 - Process Mechanical/Building Mechanical	1	LS	\$ 16,048,410.29
20	Division 16 - Electrical	1	LS	\$ -
	<b>Weis Ln Lift Station Decommissioning</b>			<b>\$ 243,473.00</b>
21	Division 2 - Site Construction	1	LS	\$ 243,472.98
<b>CONSTRUCTION BASE PRICE PROPOSAL TOTAL</b>				<b>\$ 19,037,000.00</b>
22	Bonds			
23	Taxes (non-permanent material)			
<b>TOTAL BASE PROPOSAL PRICE</b>				<b>\$ 19,037,000.00</b>
SECTION 2 - ALTERNATES & VALUE ENGINEERING				



**Request For Proposal  
Bid Form - Subcontractors**

3/14/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

ITEM	DESCRIPTION	QTY	UNIT	COST
1	Yard Pipe Excavation Detail		LS	\$ (1,146,359.82)
2			LS	\$ -
3			LS	\$ -
4			LS	\$ -
5				\$ -
6				\$ -

**SECTION 3 - ADDENDA**

Acknowledge Receipt of Addenda by Adding Date Issued and Initial below:	Initial	Date
Addendum No. 1	PB	1/11/2024
Addendum No. 2	PB	1/12/2024
Addendum No. 3	PB	1/17/2024
Addendum No. 4	PB	1/26/2024
Addendum No. 5	PB	2/1/2024
Addendum No. 6	PB	2/9/2024
Addendum No. 7	PB	2/19/2024
Addendum No. 8	PB	2/28/2024
Addendum No. 9	PB	3/6/2024

**SECTION 4 - ASSUMPTIONS AND CLARIFICATIONS**

- Please list all Assumptions & Clarifications below (Add additional line items as necessary)
- In the event that PLW Waterworks is selected to negotiate multiple packages, PLW is willing to discuss potential General**
- 1 **Conditions efficiencies that may be realized.**
  - 2 All Process Drains (PD) included in package are not restrained and cement line pipe.
  - 3 Storm Drain piping is RCP throughout
  - 4 Separate bonds are not included for CMAR self-perform packages.
  - 5
  - 6
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  - 10
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  - 12
  - 13
  - 14
  - 15

**SECTION 5 - ADDITIONAL TERMS AND PROVISIONS**

This Proposal shall be valid for a period of not less than ninety (90) days from the Bid Due Date as amended.



**Request For Proposal  
Bid Form - Subcontractors**

3/14/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

This contract is contingent upon the release of funds from the Texas Water Development Board (TWDB).  
The CMAR reserves the right to reject any and all Bids, to waive any and all informalities not involving price, time, or changes in the Work, and to negotiate contract terms with the Successful Bidder and the right to disregard all nonconforming, nonresponsive, unbalanced, or conditional Bids. Also, the CMAR reserves the right to reject the Bid of any Bidder if the CMAR believes that it would not be in the best interest of the Project to make an award to that Bidder, whether because the Bid is not responsive, or the Bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established by the CMAR. In evaluating Bids, the CMAR will consider the qualifications of the Bidders, whether the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.

**OWNER REQUIRED- Due to TWDB being the project funding source:**

Agreed to Current TWDB-0551 Supplemental Conditions (yes or no):	<input type="checkbox"/>
Agreed to American Iron & Steel Requirements of This Contract (yes or no):	<input type="checkbox"/>
Agreed to Davis-Bacon Wage Rate Requirements of the Contract (yes or no):	<input type="checkbox"/>
Agreed to Current EPA Fair Share Policy and Fair Share Goals (yes or no):	<input type="checkbox"/>

**PLW TERMS & CONDITIONS:**

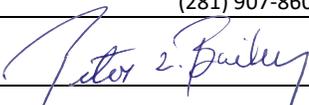
Agreed to PLW Terms and Conditions (yes or no):	<input type="checkbox"/>
-------------------------------------------------	--------------------------

If NO- Please attach a Request for Modifications/Sample Subcontract Markup to this bid.

**Additional Information:**

Percentage of MWDBE Participation Provided as a Part of This Bid:	<input type="text" value="0%"/>
-------------------------------------------------------------------	---------------------------------

Company Name:	<u>PLW WATERWORKS LLC</u>
Contact Name and Title	<u>Peter Bailey, Executive Vice President</u>
Contact Phone Number:	<u>(281) 907-8600</u>

Signature: 

<u>Bid Evaluation Criteria:</u>	<b>Weighting Value</b>
<b>Description</b>	
<b>Cost Proposal</b>	
Complete Bid Package Cost <i>(Lowest Price/Evaluated Proposal Price) x Points Available = Score</i>	50 Points
<b>Technical Proposal</b>	
Safety (EMR & TRIR) <i>(Provide your current Workers Compensation Experience Rating (EMR) and current Total Recordable Incident Rate (TRIR) and attached additional supporting data)</i>	10 Points
Experience and Qualifications <i>(Provide Subcontractor Information Form, Project Approach and Schedule)</i>	30 Points
<b>Compliance with Proposal Terms and Conditions</b>	
Conformance with Bid Package Requirements <i>(Any exclusions to the contract documents or design requirements Need to be listed on company's letterhead and submitted with the proposal.)</i>	10 Points
<b>TOTAL</b>	<b>100 Points</b>

# **WPM Construction Services**



**Request For Proposal  
Bid Form - Subcontractors**

3/15/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

**PACKAGE NO.:** BOP7-01.01  
**PACKAGE DESCRIPTION:** Yard Pipe Package  
**PROPOSER'S COMPANY NAME:** WPM Construction Services, Inc.

The undersigned, having carefully examined the Proposal Documents and the site of the proposed Work, and being familiar with existing conditions and obstacles under which the Work is to be performed, hereby offers and agrees to furnish all labor, materials, and services necessary to execute the proposed Work and has included all costs associated therewith in the preparation of its Proposal.

**TOTAL BASE PROPOSAL PRICE:**

In Words: seventeen million two hundred thirty eight thousand four hundred fifty  
 In Figures: \$ 17,238,450.00

SECTION 1 - DIRECT COST				
ITEM	DESCRIPTION	QTY	UNIT	COST
0	Mobilization (1.5% Max) as requested in SOW document	1	LS	\$ 258,500.00
0	Demobilization (1.5% Max) as requested in SOW document	1	LS	\$ 170,000.00
1	Division 1 - General Conditions	1	LS	\$ -
2	Division 1 - Quality Control Testing & Inspection	1	LS	\$ -
3	Division 1 - Startup & Commissioning	1	LS	\$ -
4	Division 1 - Mob/Demob	1	LS	\$ -
5	Division 1 - Trench Safety (Must provide unit cost, per TWOB)	1	LF	\$ 5.00
	<b>Yard Pipe Package</b>			<b>15580000</b>
6	Division 2 - Site Construction	1	LS	\$ -
7	Division 3 - Concrete	1	LS	\$ -
8	Division 4 - Masonry	1	LS	\$ -
9	Division 5 - Metals	1	LS	\$ -
10	Division 6 - Wood & Plastics	1	LS	\$ -
11	Division 7 - Thermal & Moisture Protection	1	LS	\$ -
12	Division 8 - Openings	1	LS	\$ -
13	Division 9 - Finishes	1	LS	\$ -
14	Division 10 - Specialties	1	LS	\$ -
15	Division 11 - Process Equipment	1	LS	\$ -
16	Division 12 - Furnishings	1	LS	\$ -
17	Division 13 - Special Construction	1	LS	\$ -
18	Division 14 - Conveying Systems	1	LS	\$ -
19	Division 15 - Process Mechanical/Building Mechanical	1	LS	\$ -
20	Division 16 - Electrical	1	LS	\$ -
	<b>Weis Ln Lift Station Decommissioning</b>			<b>967000</b>
21	Division 2 - Site Construction	1	LS	\$ -
<b>CONSTRUCTION BASE PRICE PROPOSAL TOTAL</b>				
22	Bonds			254700
23	Taxes (non-permanent material)			8250
<b>TOTAL BASE PROPOSAL PRICE</b>				<b>\$ 17,238,450.00</b>



**Request For Proposal  
Bid Form - Subcontractors**

3/15/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

**SECTION 2 - ALTERNATES & VALUE ENGINEERING**

ITEM	DESCRIPTION	QTY	UNIT	COST
1	CM Procures Yard piping, fittings, valves, manholes. Storm Excluded	1	LS	\$ (5,490,000.00)
2	Replace 88x54 CCFRPPMA with gasketed 8' x 5' Box Culvert	1	LS	\$ (448,500.00)
3			LS	\$ -
4			LS	\$ -
5				\$ -
6				\$ -

**SECTION 3 - ADDENDA**

Acknowledge Receipt of Addenda by Adding Date Issued and Initial below:	Initial	Date
Addendum No. 1	ZF	1/11/2024
Addendum No. 2	ZF	1/12/2024
Addendum No. 3	ZF	1/17/2024
Addendum No. 4	ZF	1/26/2024
Addendum No. 5	ZF	2/1/2024
Addendum No. 6	ZF	2/9/2024
Addendum No. 7	ZF	2/19/2024
Addendum No. 8	ZF	2/28/2024
Addendum No. 9	ZF	3/6/2024

**SECTION 4 - ASSUMPTIONS AND CLARIFICATIONS**

Please list all Assumptions & Clarifications below (Add additional line items as necessary)

1	see attached letterhead proposal
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**Request For Proposal  
Bid Form - Subcontractors**

3/15/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

**SECTION 5 - ADDITIONAL TERMS AND PROVISIONS**

This Proposal shall be valid for a period of not less than ninety(90) days from the Bid Due Date as amended.

This contract is contingent upon the release of funds from the Texas Water Development Board (TWDB).

The CMAR reserves the right to reject any and all Bids, to waive any and all informalities not involving price, time, or changes in the Work, and to negotiate contract terms with the Successful Bidder and the right to disregard all nonconforming, nonresponsive, unbalanced, or conditional Bids. Also, the CMAR reserves the right to reject the Bid of any Bidder if the CMAR believes that it would not be in the best interest of the Project to make an award to that Bidder, whether because the Bid is not responsive, or the Bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established by the CMAR. In evaluating Bids, the CMAR will consider the qualifications of the Bidders, whether the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.

**OWNER REQUIRED- Due to TWDB being the project funding source:**

Agreed to Current TWDB-0551 Supplemental Conditions (yes or no):	<input type="checkbox"/> Yes
Agreed to American Iron & Steel Requirements of This Contract (yes or no):	<input type="checkbox"/> Yes
Agreed to Davis-Bacon Wage Rate Requirements of the Contract (yes or no):	<input type="checkbox"/> Yes
Agreed to Current EPA Fair Share Policy and Fair Share Goals (yes or no):	<input type="checkbox"/> Yes

**PLW TERMS & CONDITIONS:**

Agreed to PLW Terms and Conditions (yes or no):	<input type="checkbox"/> Yes
-------------------------------------------------	------------------------------

If NO- Please attach a Request for Modifications/Sample Subcontract Markup to this bid.

**Additional Information:**

Percentage of MWDBE Participation Provided as a Part of This Bid:	10.1%
-------------------------------------------------------------------	-------

Company Name: WPM Construction Services, Inc.  
 Contact Name and Title: Zach Forth, Estimator  
 Contact Phone Number: 512-845-6411  
 Signature: 

<u>Bid Evaluation Criteria:</u>	<b>Weighting Value</b>
<b>Description</b>	
<b>Cost Proposal</b>	
Complete Bid Package Cost <i>(Lowest Price/Evaluated Proposal Price) x Points Available = Score</i>	50 Points
<b>Technical Proposal</b>	
Safety (EMR & TRIR) <i>(Provide your current Workers Compensation Experience Rating (EMR) and current Total Recordable Incident Rate (TRIR) and attached additional supporting data)</i>	10 Points
Experience and Qualifications <i>(Provide Subcontractor Information Form, Project Approach and Schedule)</i>	30 Points
<b>Compliance with Proposal Terms and Conditions</b>	
Conformance with Bid Package Requirements <i>(Any exclusions to the contract documents or design requirements Need to be listed on company's letterhead and submitted with the proposal.)</i>	10 Points
<b>TOTAL</b>	<b>100 Points</b>

**Client:** PLW  
**Attn:**  
**Project:** Wilbarger Creek Regional Waste Water Treatment Facility (WCRWWTF) Ph 1 BOP7-01.01 Yard Piping  
**Date:** 3/14/2024  
**Based on:** Bid documents provided by client through addendum 9

## Scope

### General Inclusions

Single mobilization  
Layout based on control points provided by others  
Haul & place own excess excavated materials/spoils to berm at front of property  
General adherence to Scope Summary Document for BOP7-01.01 provided in front end docs with assumptions and qualifications listed herein  
Anticipated escalation for non-pipe type items (see note below about early procurement) is included for the duration of WPM's own work. Because how this duration will be spread out throughout the overall schedule is unknown at this point, escalation beyond that cannot be included.  
Bonding

### WCRWWTF Yard Piping

Provide and install all yard piping on CM's Exhibit E Piping Delineation document to the limits shown therein. Phasing not provided by CM. Bid is based on WPM leaving tested and approved pipe segments for facility contractors to connect to.  
Underpinning or shoring of facilities built prior to pipe installation is excluded as schedule is currently unknown. Bid is based on same day backfilling of installed linework. Extended periods of keeping trenches open for delayed visual inspection is excluded.  
Bid is based on immediate starting of procurement process for materials upon award and purchasing materials as soon as possible to avoid future increases. Bid is based on billing for materials on hand.  
Please see VE for CMAR procurement of piping materials  
Most storm piping is included as RCP (acceptable per addenda Q&A). This is included as gasketed class III. Please see VE for substitution of 88x54 CCFRMPA by gasketed box culvert.  
CCFRMPA manufacturer qualifies their pipe is not designed for live loading and must have at least 2' of cover. Profiles as drawn show less cover than this in places.  
Source for 78" CELDI FE line was not found. Or any version of 78" DI pipe. Included herein is CCFRMP for that final run.  
Televised inspection of gravity lines larger than 6" is included.  
Trench detail for pipes 12" and larger has callout for "#4 Welded wire filter fabric". This has been assumed to be an erroneous callout for filter fabric as no further mention of welded wire was found in specifications related to trenching or in other trenching details. Welded wire fabric is a thing and so is filter fabric, but not welded wire filter fabric. No welded wire fabric or panels are included for pipes following that detail.  
Select onsite material is included for "clay plug" as applicable at the top of trenches. Per geotech borings, site is mostly high PI clay.

### Weiss Lane Lift Station Decommissioning

Bid is based on City of Pflugerville cooperation with traffic control approval, noise restrictions. Existing site is directly behind houses and plans indicate work should happen 11pm-3am. Around the clock closure of turn lane is necessary and possibly the next lane depending on approved bypass manifold setup. Silenced pumps will be used. Noise abating panels can be used to further reduce noise.  
Existing plug to be removed is not detailed. Assumed that plug can be removed from within manhole without destroying connection to unused 36" FRP.  
Due to location of manhole on 24" influent line to the SW which is on the far side of an intersection, bypass piping will likely have to be buried temporarily in roadway and plated. This is accounted for.  
There are somewhat conflicting notes about continuous pumping and monitoring and limiting the work time to low flow periods from 11pm to 3am. The need to test the system for adequacy is understood but the bypass does not necessarily need to be run around the clock.  
Specification/plan notes call for a backup for each pump and that the system be designed for peak wet weather

flows (even though one would not begin the bypass in such a situation). Designing for this maximum flow may require 2 pumps for each bypassed line. There may not be room to have 4 pumps (a backup for each) all piped together through a manifold system in this work area. It is common to have a single backup pump if the primary system requires intermittent use of a 2nd pump.

Abandonment of existing 24" force main makes no mention of grout filling in specification or plan. None included.

## **Qualifications/Limitations from SOW Document**

Division 3 Pipe Encasement: concrete encasement was not found for the pipes covered herein by the exhibit E delineation document

Cleanouts are included where shown either on profiles or plan views within relevant scope limits

WPM will coordinate with Div 23, Div 26, and Div 28 contractors to avoid conflicts but has not included any installation of their scope items

Div 31 Excavation & Haul: Hauling of spoils material to onsite stockpile is included

Div 31 Furnish Borrow Select Fill: imported material will be used for bedding, foundation, select fill under roadways, but onsite/native material will be used for backfill above the bedding zone outside of pavement areas

Div 31 Concrete: concrete encasement not found for the lines delineated by exhibit E

Div 33: 1. Weiss Lane: Sorento Phase II interceptor work not found in plans. By others.

Div 40: 1. Process Piping: it is assumed that all required "valves, fittings, and appurtenances" are shown on the various plan and profile views. WPM acknowledges the pull boxes mentioned in addenda Q&A for cased lines.

Div 40: 2. Heat Tracing: all piping is underground and does not require heat tracing per addendum comments

## **Schedule/Durations**

WCRWWTF Yard Piping as bid herein is approximately 25 months of single crew work based on 5 days a week.

WPM would likely (and would prefer) to utilize 2 or more crews which could cut durations approximately in half. Much depends on phasing and coordination with other BOP packages.

Weiss Lane Decommissioning includes 1-2 weeks for bypass setup, flow redirection, and bypass removal.

Site demolition is similarly 1-2 weeks depending on water source for wet well/force main flushing and availability of cement stabilized sand. Cement stabilized sand is not commonly used in central Texas and so production rates/delivery are in flux.

Submittals are available within 1-2 weeks from request for products in this scope. Engineered plans may require additional time, especially if there is a back and forth with their review/approval.

Large diameter ductile iron pipe, especially with special coatings is a long lead item. At this time we do not have good information on lead time. WPM recommends budgeting at least 6 months for larger diameter specially coated pipes, +/- 2 months for regular ductile iron, +/- 1 month for PVC. Precast structures are +/- 1 month after approved submittals.

## **Project Approach**

WPM intends to work cooperatively with CM to phase and schedule the work in this package in a way that optimizes installation times and minimizes conflicts between work packages. WPM has worked successfully with the CM on another treatment plant project utilizing this approach. WPM is trying to strike a balance here between reasonable costs for the work and the as yet unknown phasing and scheduling of the work in the overall project.

# WPM Construction Services, Inc.

5415 McKinney Falls Parkway  
Austin, Texas 78744  
Estimating: Zach Forth 512-845-6411

## Pricing

Mobilization 1.5% Max	1 LS	\$	258,500.00
Demobilization 1.5% Max	1 LS	\$	170,000.00
Yard Pipe Package	1 LS	\$	15,580,000.00
Weiss Lane Lift Station Decommissioning	1 LS	\$	967,000.00
Bonding	1 LS	\$	254,700.00
Sales Tax on Non-Permanent Material	1 LS	\$	8,250.00
<b>Total Base Bid</b>		<b>\$</b>	<b>17,238,450.00</b>

### VE Alternates

CM to procure and deliver to site: **\$ (5,490,000.00)**

Yard piping, fittings, valves, cleanout fittings, gravity manholes. Storm excluded.

Replace 88x54 CCFRPPA with gasketed 8' x 5' Box Culvert **\$ (448,500.00)**

This proposal is valid for 90 days from submission

Thanks for the opportunity to look at this work. Please contact me for questions or clarifications.

Zach Forth  
[zforth@wpmcivil.com](mailto:zforth@wpmcivil.com)  
512-845-6411

# **Joe Bland Construction**



**Request For Proposal  
Bid Form - Subcontractors**

3/15/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

**PACKAGE NO.:** BOP7-01.01  
**PACKAGE DESCRIPTION:** Yard Pipe Package  
**PROPOSER'S COMPANY NAME:** Joe Bland Construction, LP

The undersigned, having carefully examined the Proposal Documents and the site of the proposed Work, and being familiar with existing conditions and obstacles under which the Work is to be performed, hereby offers and agrees to furnish all labor, materials, and services necessary to execute the proposed Work and has included all costs associated therewith in the preparation of its Proposal.

**TOTAL BASE PROPOSAL PRICE:**

*Twenty-One Million Three Hundred and*

In Words: *Forty Five Thousand, Two Hundred Seventy-Eight*

In Figures: \$ 21,345,278.00

SECTION 1 - DIRECT COST				
ITEM	DESCRIPTION	QTY	UNIT	COST
1	Division 1 - General Conditions	1	LS	\$ 1,685,000.00
2	Division 1 - Quality Control Testing & Inspection	1	LS	\$ -
3	Division 1 - Startup & Commissioning	1	LS	\$ -
4	Division 1 - Mob/Demob	1	LS	\$ 1,250,000.00
5	Division 1 - Trench Safety <small>(Must provide unit cost, per TWDB)</small>	1	LF	\$ 103,444.00
<b>Yard Pipe Package</b>				
6	Division 2 - Site Construction	1	LS	\$ 18,306,834.00
7	Division 3 - Concrete	1	LS	\$ -
8	Division 4 - Masonry	1	LS	\$ -
9	Division 5 - Metals	1	LS	\$ -
10	Division 6 - Wood & Plastics	1	LS	\$ -
11	Division 7 - Thermal & Moisture Protection	1	LS	\$ -
12	Division 8 - Openings	1	LS	\$ -
13	Division 9 - Finishes	1	LS	\$ -
14	Division 10 - Specialties	1	LS	\$ -
15	Division 11 - Process Equipment	1	LS	\$ -
16	Division 12 - Furnishings	1	LS	\$ -
17	Division 13 - Special Construction	1	LS	\$ -
18	Division 14 - Conveying Systems	1	LS	\$ -
19	Division 15 - Process Mechanical/Building Mechanical	1	LS	\$ -
20	Division 16 - Electrical	1	LS	\$ -
<b>CONSTRUCTION BASE PRICE PROPOSAL TOTAL</b>				
21	Bonds			
22	Taxes (non-permanent material)			
<b>TOTAL BASE PROPOSAL PRICE</b>				<b>\$ 21,345,278.00</b>



**Request For Proposal  
Bid Form - Subcontractors**

3/15/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

**SECTION 2 - ALTERNATES & VALUE ENGINEERING**

ITEM	DESCRIPTION	QTY	UNIT	COST
1			LS \$	-
2			LS \$	-
3			LS \$	-
4			LS \$	-
5			\$	-
6			\$	-

**SECTION 3 - ADDENDA**

Acknowledge Receipt of Addenda by Adding Date Issued and Initial below:

	Initial	Date
Addendum No. 1	CB	1-20-24
Addendum No. 2	CB	2-20-24
Addendum No. 3	CB	3-20-24
Addendum No. 4	CB	4-20-24
Addendum No. 5	CB	2-1-24
Addendum No. 6	CB	2-9-24
Addendum No. 7	CB	2-28-24
Addendum No. 8	CB	3-6-24
Addendum No. 9		

**SECTION 4 - ASSUMPTIONS AND CLARIFICATIONS**

Please list all Assumptions & Clarifications below (Add additional line items as necessary)

- 1 See attached bid form for unit pricing breakdown
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15



**Request For Proposal  
Bid Form - Subcontractors**

3/15/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

**SECTION 5 - ADDITIONAL TERMS AND PROVISIONS**

This Proposal shall be valid for a period of not less than ninety (90) days from the Bid Due Date as amended.

This contract is contingent upon the release of funds from the Texas Water Development Board (TWDB).

The CMAR reserves the right to reject any and all Bids, to waive any and all informalities not involving price, time, or changes in the Work, and to negotiate contract terms with the Successful Bidder and the right to disregard all nonconforming, nonresponsive, unbalanced, or conditional Bids. Also, the CMAR reserves the right to reject the Bid of any Bidder if the CMAR believes that it would not be in the best interest of the Project to make an award to that Bidder, whether because the Bid is not responsive, or the Bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established by the CMAR. In evaluating Bids, the CMAR will consider the qualifications of the Bidders, whether the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.

**OWNER REQUIRED- Due to TWDB being the project funding source:**

Agreed to Current TWDB-0551 Supplemental Conditions (yes or no):	<input type="checkbox"/> Yes
Agreed to American Iron & Steel Requirements of This Contract (yes or no):	<input type="checkbox"/> Yes
Agreed to Davis-Bacon Wage Rate Requirements of the Contract (yes or no):	<input type="checkbox"/> Yes
Agreed to Current EPA Fair Share Policy and Fair Share Goals (yes or no):	<input type="checkbox"/> Yes

**PLW TERMS & CONDITIONS:**

Agreed to PLW Terms and Conditions (yes or no):	<input type="checkbox"/> Yes
-------------------------------------------------	------------------------------

If NO- Please attach a Request for Modifications/Sample Subcontract Markup to this bid.

**Additional Information:**

Percentage of MWDBE Participation Provided as a Part of This Bid:	0%
-------------------------------------------------------------------	----

Company Name: Joe Bland Construction, LP  
 Contact Name and Title: Collin Bland, Vice President  
 Contact Phone Number: 512-300-3881  
 Signature: 

<u>Bid Evaluation Criteria:</u>	<b>Weighting Value</b>
<b>Description</b>	
<b>Cost Proposal</b>	
Complete Bid Package Cost <i>(Lowest Price/Evaluated Proposal Price) x Points Available = Score</i>	50 Points
<b>Technical Proposal</b>	
Safety (EMR & TRIR) <i>(Provide your current Workers Compensation Experience Rating (EMR) and current Total Recordable Incident Rate (TRIR) and attached additional supporting data)</i>	10 Points
Experience and Qualifications <i>(Provide Subcontractor Information Form, Project Approach and Schedule)</i>	30 Points
<b>Compliance with Proposal Terms and Conditions</b>	
Conformance with Bid Package Requirements <i>(Any exclusions to the contract documents or design requirements Need to be listed on company's letterhead and submitted with the proposal.)</i>	10 Points
<b>TOTAL</b>	<b>100 Points</b>

# BOP8-01.01 Package

- » Recommendation Letter
- » Package Comparison Chart
- » Recommended Bidder
  - Bid Form
  - Proposal
- » Bidder 2
  - Bid Form
  - Proposal



## Work Package Recommendation

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR  
Electrical, Instrumentation & Controls Package | BOP8-01.01  
PLW Project #: P5K

Enclosed is a recommendation for the selection of a subcontractor to provide services for the above-mentioned project. All bids have been evaluated, irregularities between proposals were clarified with bidders and factored into evaluation.

Please review the following documents and accept or decline the recommendation.

- Bid Tabulation and Comparison Charts (CompCharts)
- Proposal documents for Recommended Bidder
- Bid Forms for additional bidders

Your acceptance of our recommendation will initiate the contract process with the named vendor. However, contracts would not be executed until the applicable GMP proposal pricing has been accepted by the City Council.

Thank you,

PLW Waterworks Project Team



## Work Package Recommendation Narrative

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR  
Electrical, Instrumentation & Controls Package | BOP8-01.01  
PLW Project #: P5K

### **Recommended Bidder: T. Morales Company**

Six (6) companies were solicited to bid on this scope of work to:

Furnish all labor, material, and equipment to perform Electrical, Instrumentation & Controls (EIC) work per contract documents sitewide. Subcontractor to coordinate with CMAR and other area subcontractors for proper installation of equipment per Contract Documents. Pricing will need to reflect AIS requirements. The scope of lines for the entire project is not limited to what is summarized on the bid form.

Only two (2) fully submitted a bid on time and in compliance with the scope of work and requirements.

**Bidder 1: T. Morales Company**

The bidder was the lowest bidder and received the highest score on cost and considered tabulation.

**Bidder 2: Big State Electric**

This bidder was the higher bidder on cost and second in the bid tabulation.

We recommend proceeding with the bid proposal from T. Morales Company based on their quote and qualifications. We believe we will be able to come to terms and execute a contract with T. Morales Company for this package as PLW has experience working with them.

# City of Pflugerville, Texas: Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)

Bid Package BOP8\_01.01 - Electrical, Instrumentation and Control Package

Bid Tabulation		T.Morales Company		Big State Electric								
Bid Item	BUDGETED		BIDDER 1		BIDDER 2		BIDDER 3		BIDDER 4		BIDDER 5	
	QTY	UOM	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
Division 1 - General Conditions	1	LS		\$ -		\$ -		\$ -		\$ -		\$ -
Division 1 - Quality Control Testing & Inspection	1	LS		\$ -		\$ -		\$ -		\$ -		\$ -
Division 1 - Startup & Commissioning	1	LS		\$ -		\$ -		\$ -		\$ -		\$ -
Division 1 - Mob/Demob	1	LS		\$ -		\$ -		\$ -		\$ -		\$ -
Division 1 - Trench Safety (Must provide unit cost, per TWDB)		LF		\$ -		\$ -		\$ -		\$ -		\$ -
Electrical, Instrumentation and Control				\$ 33,767,000.00		\$ 46,162,000.00						
Bonds				\$ 341,000.00		\$ 475,000.00		\$ -		\$ -		\$ -
Taxes (non-permanent material)				\$ -		\$ 80,700.00		\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -		\$ -		\$ -
<b>Total: Base Bid</b>				<b>\$ 34,108,000.00</b>		<b>\$ 46,717,700.00</b>		<b>\$ -</b>		<b>\$ -</b>		<b>\$ -</b>
F55-1: Supplemental Post Aeration				\$ 89,000.00		\$ 450,000.00		\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -		\$ -		\$ -
<b>Total: Base Bid + Alternates</b>				<b>\$34,197,000.00</b>		<b>\$47,492,700.00</b>		<b>\$0.00</b>		<b>\$0.00</b>		<b>\$0.00</b>
% Variance from Low Bid				0%		38.88%		0.00%				0.00%
Submittals		WK	60	Days								
Fabrication & Delivery		WK										
Erection		WK										
Duration of Construction		Days	945	Days								
Proposal Terms and Conditions:												
Agreed to PLW T&C		Y/N		Y		Y						
Agreed to TWDB-0551 Supplemental Conditions		Y/N		Y		Y						
Agreed American Iron & Steel Req.		Y/N		Y		Y						
Agreed to Davis-Bacon Wage Rates		Y/N		Y		Y						
Agreed to EPA Fair Share Policy		Y/N		Y		Y						
% MWBE Participation		%		5%		0%						
Qualification Forms Submitted		Y/N		Y		Y						
Acknowledge Receipt of Addenda		Y/N		Y		Y						
Technical Proposal												
Scope of Work		Y/N		Y		Y						
Project Approach		Y/N		Y		N						
Project Experience		Y/N		Y		N						
Project Team Organization/Key Personnel		Y/N		Y		N						
Schedule		Y/N		Y		N						
Safety		Y/N		Y		Y						
Bid Bond		Y/N		Y		Y						

Ranking Tabulation		1	2	3	4	5
Bid Item	Weight	T.Morales Company	Big State Electric	0	0	0
Total Base Bid (Lowest Price/Evaluated Proposal Price) x Points Available = Score	50%	50.00	36.00	#DIV/0!	#DIV/0!	#DIV/0!
Technical Proposal - Safety	10%	10.00	10.00			
Technical Proposal - Experience and Qualifications	30%	30.00	20.00			
Compliance with Proposal Terms and Conditions (See list above)	10%	10.00	10.00			
<b>Total Points</b>	<b>100%</b>	<b>100.00</b>	<b>76.00</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>

Date of Recommendation:	03/29/24
Recommended Vendor	T.Morales Company
Contract Value:	\$34,108,000.00
Recommended By:	Triston Young, PLW Waterworks

# **T. Morales Company**



# Request For Proposal Bid Form - Subcontractors

2/23/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

**PACKAGE NO.:** BOP8-01.01

**PACKAGE DESCRIPTION:** Electrical, Instrumentation and Control Package

**PROPOSER'S COMPANY NAME:** T.Morales Company Electric & Controls, LTD.

The undersigned, having carefully examined the Proposal Documents and the site of the proposed Work, and being familiar with existing conditions and obstacles under which the Work is to be performed, hereby offers and agrees to furnish all labor, materials, and services necessary to execute the proposed Work and has included all costs associated therewith in the preparation of its Proposal.

**TOTAL BASE PROPOSAL PRICE:** Thirty-Four-Million-One-Hundred-Eight-Thousand-Dollars and Zero Cents  
 In Words: Thirty-Four-Million-One-Hundred-Eight-Thousand-Dollars and Zero Cents  
 In Figures: \$ 34,108,000.00

SECTION 1 - DIRECT COST				
ITEM	DESCRIPTION	QTY	UNIT	COST
1	Division 1 - General Conditions	1	LS	\$ -
2	Division 1 - Quality Control Testing & Inspection	1	LS	\$ -
3	Division 1 - Startup & Commissioning	1	LS	\$ -
4	Division 1 - Mob/Demob	1	LS	\$ -
5	Division 1 - Trench Safety <small>(Must provide unit cost, per TWDB)</small>	1	LF	\$ -
<b>Electrical, Instrumentation and Control</b>				
6	Division 2 - Site Construction	1	LS	\$ -
7	Division 3 - Concrete	1	LS	\$ -
8	Division 4 - Masonry	1	LS	\$ -
9	Division 5 - Metals	1	LS	\$ -
10	Division 6 - Wood & Plastics	1	LS	\$ -
11	Division 7 - Thermal & Moisture Protection	1	LS	\$ -
12	Division 8 - Openings	1	LS	\$ -
13	Division 9 - Finishes	1	LS	\$ -
14	Division 10 - Specialties	1	LS	\$ -
15	Division 11 - Process Equipment	1	LS	\$ -
16	Division 12 - Furnishings	1	LS	\$ -
17	Division 13 - Special Construction	1	LS	\$ -
18	Division 14 - Conveying Systems	1	LS	\$ -
19	Division 15 - Process Mechanical/Building Mechanical	1	LS	\$ -
20	Division 16 - Electrical	1	LS	\$ 33,767,000.00
<b>CONSTRUCTION BASE PRICE PROPOSAL TOTAL</b>				
21	Bonds			\$ 341,000.00
22	Taxes (non-permanent material)			
<b>TOTAL BASE PROPOSAL PRICE</b>				\$ 34,108,000.00



**Request For Proposal  
Bid Form - Subcontractors**

2/22/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

ITEM	DESCRIPTION	QTY	UNIT	COST
1	F31-1: AO Process		LS	\$ -
2	F55-1: Supplemental Post Aeration		LS	\$ 89,000.00
3			LS	\$ -
4			LS	\$ -
5				\$ -
6				\$ -

**SECTION 3 - ADDENDA**

**Acknowledge Receipt of Addenda by Adding Date Issued and Initial below:**

	Initial	Date
Addendum No. 1	RE	January 11, 2024
Addendum No. 2	RE	Not Issued
Addendum No. 3	RE	January 17, 2024
Addendum No. 4	RE	January 26, 2024
Addendum No. 5	RE	February 1, 2024
Addendum No. 6	RE	February 9, 2024
Addendum No. 7	RE	February 19, 2024

**SECTION 4 - ASSUMPTIONS AND CLARIFICATIONS**

Please list all Assumptions & Clarifications below (Add additional line items as necessary)

- 1 Bid Item 20-Divison 16 Lump Sum includes Specification Divison 26 Electrical
- 2 Bid Item 20-Divison 16 Lump Sum includes Specification Divison 28 Electronic Safety & Security
- 3 Bid Item 20-Divison 16 Lump Sum includes Specification Divison 40 Process Integration
- 4 Included is all Temporary Site Wiring to include CMAR, Engineers & Owners Job Trailer
- 5 Price Does not include Electrical Power Consumption Fees for Temporary Electrical
- 6 See Attachment A for Current Major Projects
- 7 See Attachment B for T.Morales Qualification Statement
- 8 See Attachment C for PLW/TMC Work History
- 9 See Attachment D for Additional Clarifications
- 10 See Attachment E for Corporate Resolution
- 11 See Attachment F for Work in Progress Form (AIA 305)
- 12 See Attachment G for TMC CPM Schedule Work Sheet (Durations for Electrical Activities in Working Days)
- 13 See Attachment H for Electrical Equipment Bill of Material
- 14 See Attachment I for Instrumentation & Controls Bill of Material
- 15 HVAC Conduit&Wire included per Mech. Drawings, Included is \$25K allowance for Bldg 85, Control Room Console

**SECTION 5 - ADDITIONAL TERMS AND PROVISIONS**

This Proposal shall be valid for a period of not less than ninety (90) days from the Bid Due Date as amended.  
This contract is contingent upon the release of funds from the Texas Water Development Board (TWDB).



**Request For Proposal  
Bid Form - Subcontractors**

2/22/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

The CMAR reserves the right to reject any and all Bids, to waive any and all informalities not involving price, time, or changes in the Work, and to negotiate contract terms with the Successful Bidder and the right to disregard all nonconforming, nonresponsive, unbalanced, or conditional Bids. Also, the CMAR reserves the right to reject the Bid of any Bidder if the CMAR believes that it would not be in the best interest of the Project to make an award to that Bidder, whether because the Bid is not responsive, or the Bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established by the CMAR. In evaluating Bids, the CMAR will consider the qualifications of the Bidders, whether the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.

**OWNER REQUIRED- Due to TWDB being the project funding source:**

Agreed to Current TWDB-0551 Supplemental Conditions (yes or no):	<input type="checkbox"/>
Agreed to American Iron & Steel Requirements of This Contract (yes or no):	<input type="checkbox"/>
Agreed to Davis-Bacon Wage Rate Requirements of the Contract (yes or no):	<input type="checkbox"/>
Agreed to Current EPA Fair Share Policy and Fair Share Goals (yes or no):	<input type="checkbox"/>

**PLW TERMS & CONDITIONS:**

Agreed to PLW Terms and Conditions (yes or no):	<input type="checkbox"/>
-------------------------------------------------	--------------------------

If NO Please attach a Request for Modifications/Sample Subcontract Markup to this bid.

**Additional Information:**

Percentage of MWDBE Participation Provided as a Part of This Bid:	5.1%
-------------------------------------------------------------------	------

Company Name: T. Morales Company Electric & Controls, Ltd.

Contact Name and Title Randy Eldridge - COO

Contact Phone Number: 254-793-4344

Signature \_\_\_\_\_

**Bid Evaluation Criteria:**

Description	Weighting Value
<b>Cost Proposal</b>	
Complete Bid Package Cost <i>(Lowest Price/Evaluated Proposal Price) x Points Available = Score</i>	50 Points
<b>Technical Proposal</b>	
Safety (EMR & TRIR) <i>(Provide your current Workers Compensation Experience Rating (EMR) and current Total Recordable Incident Rate (TRIR) and attached additional supporting data)</i>	10 Points
Experience and Qualifications <i>(Provide Subcontractor Information Form, Project Approach and Schedule)</i>	30 Points
<b>Compliance with Proposal Terms and Conditions</b>	
Conformance with Bid Package Requirements <i>(Any exclusions to the contract documents or design requirements Need to be listed on company's letterhead and submitted with the proposal.)</i>	10 Points
<b>TOTAL</b>	<b>100 Points</b>

# **Big State Electric**



# Request For Proposal Bid Form - Subcontractors

2/20/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

Item 1

PACKAGE NO.: BOP8-01.01

PACKAGE DESCRIPTION: Electrical, Instrumentation and Control Package

PROPOSER'S COMPANY NAME: Big State Electric, LTD

The undersigned, having carefully examined the Proposal Documents and the site of the proposed Work, and being familiar with existing conditions and obstacles under which the Work is to be performed, hereby offers and agrees to furnish all labor, materials, and services necessary to execute the proposed Work and has included all costs associated therewith in the preparation of its Proposal.

**TOTAL BASE PROPOSAL PRICE:**

In Words: Forty Six Million, Seven Hundred Seventeen Thousand, Seven Hundred, and Zero Cents

In Figures: \$ 46,717,700.00

SECTION 1 - DIRECT COST				
ITEM	DESCRIPTION	QTY	UNIT	COST
1	Division 1 - General Conditions	1	LS	\$ -
2	Division 1 - Quality Control Testing & Inspection	1	LS	\$ -
3	Division 1 - Startup & Commissioning	1	LS	\$ -
4	Division 1 - Mob/Demob	1	LS	\$ -
5	Division 1 - Trench Safety <small>(Must provide unit cost, per TWDB)</small>	1	LF	\$ -
	<b>Electrical, Instrumentation and Control</b>			<b>\$ 46,162,000.00</b>
6	Division 2 - Site Construction	1	LS	\$ -
7	Division 3 - Concrete	1	LS	\$ -
8	Division 4 - Masonry	1	LS	\$ -
9	Division 5 - Metals	1	LS	\$ -
10	Division 6 - Wood & Plastics	1	LS	\$ -
11	Division 7 - Thermal & Moisture Protection	1	LS	\$ -
12	Division 8 - Openings	1	LS	\$ -
13	Division 9 - Finishes	1	LS	\$ -
14	Division 10 - Specialties	1	LS	\$ -
15	Division 11 - Process Equipment	1	LS	\$ -
16	Division 12 - Furnishings	1	LS	\$ -
17	Division 13 - Special Construction	1	LS	\$ -
18	Division 14 - Conveying Systems	1	LS	\$ -
19	Division 15 - Process Mechanical/Building Mechanical	1	LS	\$ -
20	Division 16 - Electrical	1	LS	\$ -
<b>CONSTRUCTION BASE PRICE PROPOSAL TOTAL</b>				
21	Bonds			\$ 475,000.00
22	Taxes (non-permanent material)			\$ 80,700.00
	<b>TOTAL BASE PROPOSAL PRICE</b>			<b>\$ 46,717,700.00</b>
SECTION 2 - ALTERNATES & VALUE ENGINEERING				



**Request For Proposal  
Bid Form - Subcontractors**

2/20/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

ITEM	DESCRIPTION	QTY	UNIT	COST
1	F31-1: AO Process		LS \$	-
2	F55-1: Supplemental Post Aeration		LS \$	-
3			LS \$	-
4			LS \$	-
5			\$	-
6			\$	-

**SECTION 3 - ADDENDA**

Acknowledge Receipt of Addenda by Adding Date Issued and Initial below:

- Addendum No. 1
- ~~Addendum No. 2~~
- Addendum No. 3
- Addendum No. 4
- Addendum No. 5
- Addendum No. 6

Initial	Date
JB <i>JB</i>	1.11.24
<b>NOT ISSUED FOR THIS PACKAGE</b> <i>JB</i>	
JB <i>JB</i>	1.18.24
JB <i>JB</i>	1.26.24
JB <i>JB</i>	2.01.24
JB <i>JB</i>	2.09.24
JB <i>JB</i>	2.19.24

Addendum No. 7

**SECTION 4 - ASSUMPTIONS AND CLARIFICATIONS**

Please list all Assumptions & Clarifications below (Add additional line items as necessary)

- 1 Please see letter included herein.
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

**SECTION 5 - ADDITIONAL TERMS AND PROVISIONS**

This Proposal shall be valid for a period of not less than ninety (90) days from the Bid Due Date as amended.  
This contract is contingent upon the release of funds from the Texas Water Development Board (TWDB).



# Request For Proposal Bid Form - Subcontractors

2/20/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

The CMAR reserves the right to reject any and all Bids, to waive any and all informalities not involving price, time, or changes in the Work, and to negotiate contract terms with the Successful Bidder and the right to disregard all nonconforming, nonresponsive, unbalanced, or conditional Bids. Also, the CMAR reserves the right to reject the Bid of any Bidder if the CMAR believes that it would not be in the best interest of the Project to make an award to that Bidder, whether because the Bid is not responsive, or the Bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established by the CMAR. In evaluating Bids, the CMAR will consider the qualifications of the Bidders, whether the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.

**OWNER REQUIRED- Due to TWDB being the project funding source:**

Agreed to Current TWDB-0551 Supplemental Conditions (yes or no):	yes
Agreed to American Iron & Steel Requirements of This Contract (yes or no):	yes
Agreed to Davis-Bacon Wage Rate Requirements of the Contract (yes or no):	yes
Agreed to Current EPA Fair Share Policy and Fair Share Goals (yes or no):	yes

**PLW TERMS & CONDITIONS:**

Agreed to PLW Terms and Conditions (yes or no):	yes
-------------------------------------------------	-----

If NO- Please attach a [Request for Modifications/Sample Subcontract Markup](#) to this bid.

**Additional Information:**

Percentage of MWDBE Participation Provided as a Part of This Bid:	0%
-------------------------------------------------------------------	----

Company Name: Big State Electric, LTD  
 Contact Name and Title: Jake Blount, Water Division Manager  
 Contact Phone Number: 210-275-6849  
 Signature: 

<u>Bid Evaluation Criteria:</u>	Weighting Value
<b>Description</b>	
<b>Cost Proposal</b>	
Complete Bid Package Cost <i>(Lowest Price/Evaluated Proposal Price) x Points Available = Score</i>	50 Points
<b>Technical Proposal</b>	
Safety (EMR & TRIR) <i>(Provide your current Workers Compensation Experience Rating (EMR) and current Total Recordable Incident Rate (TRIR) and attached additional supporting data)</i>	10 Points
Experience and Qualifications <i>(Provide Subcontractor Information Form, Project Approach and Schedule)</i>	30 Points
<b>Compliance with Proposal Terms and Conditions</b>	
Conformance with Bid Package Requirements <i>(Any exclusions to the contract documents or design requirements Need to be listed on company's letterhead and submitted with the proposal.)</i>	10 Points
<b>TOTAL</b>	<b>100 Points</b>

# BOP9-01.01 Package

- » Recommendation Letter
- » Package Comparison Chart
- » Recommended Bidder
  - Bid Form
  - Proposal
- » Bidder 2
  - Bid Form
  - Proposal



## Work Package Recommendation

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR  
Site Work Package | BOP9-01.01  
PLW Project #: P5K

Enclosed is a recommendation for the selection of a subcontractor to provide services for the above-mentioned project. All bids have been evaluated, irregularities between proposals were clarified with bidders and factored into evaluation.

Please review the following documents and accept or decline the recommendation.

- Bid Tabulation and Comparison Charts (CompCharts)
- Proposal documents for Recommended Bidder
- Bid Forms for additional bidders

Your acceptance of our recommendation will initiate the contract process with the named vendor. However, contracts would not be executed until the applicable GMP proposal pricing has been accepted by the City Council.

Thank you,

PLW Waterworks Project Team



## Work Package Recommendation Narrative

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR  
Site Work Package | BOP9-01.01  
PLW Project #: P5K

### **Recommended Bidder: WPM Construction Services, Inc.**

Six (6) companies were solicited to bid on this scope of work to:

Furnish all labor, material, and equipment to perform final site grading and restoration, paving, landscaping, irrigation and fencing work per contract documents sitewide. Subcontractor to coordinate with CMAR and other area subcontractors for proper installation of equipment per Contract Documents. Pricing will need to reflect AIS requirements. The scope for the entire project is not limited to what is summarized on the bid form.

Only two (2) fully submitted a bid on time and in compliance with the scope of work and requirements.

Bidder 1: WPM Construction Services, Inc.

The bidder was the lowest bidder and received the highest score on cost and considered tabulation.

Bidder 2: Zachry Construction Corporation

This bidder was the higher bidder on cost and second in the bid tabulation.

We recommend proceeding with the bid proposal from WPM Construction Services, Inc. based on their quote and qualifications. We believe we will be able to come to terms and execute a contract with WPM Construction Services, Inc. for this package as PLW has experience working with them.

## City of Pflugerville, Texas: Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)

Bid Package BOP9\_01.01 -Site Work Package

Bid Tabulation	WPM Construction Services, Inc.				Zachry Construction Corporation							
	BUDGETED		BIDDER 1		BIDDER 2		BIDDER 3		BIDDER 4		BIDDER 5	
Bid Item	QTY	UOM	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
Division 1 - General Conditions	1	LS		\$ -		\$ -				\$ -		\$ -
Division 1 - Quality Control Testing & Inspection	1	LS		\$ -		\$ -				\$ -		\$ -
Division 1 - Startup & Commissioning	1	LS	Included		Included					\$ -		\$ -
Division 1 - Mob/Demob	1	LS	Included			\$ 250,000.00				\$ -		\$ -
Division 1 - Trench Safety (Must provide unit cost, per TWDB)	1	LF	5.00	\$ 5.00		\$ -				\$ -		\$ -
Site Work				\$ 5,506,600.00		\$ 11,819,000.00						
Bonds			\$ 82,600.00	\$ 82,600.00	\$ 60,000.00	\$ 60,000.00		\$ -		\$ -		\$ -
Taxes (non-permanent material)			\$ 1,328.00	\$ 1,328.00	\$ 33,000.00	\$ 33,000.00		\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -		\$ -		\$ -
<b>Total: Base Bid</b>				<b>\$ 5,590,528.00</b>		<b>\$ 12,162,000.00</b>				<b>\$ -</b>		<b>\$ -</b>
F-02-1: Fencing Material	1	LS		\$ (650,720.00)		\$ (220,000.00)				\$ -		\$ -
F04-01: Phase 4 Stormwater Detention	1	LS		\$ 89,399.00		\$ (22,000.00)				\$ -		\$ -
ALT ADDER - Construct Berm	1	LS		\$ -		\$ 48,000.00		\$ -		\$ -		\$ -
ALT ADDER - Roadway Signs	1	LS		\$ -		\$ 19,000.00				\$ -		\$ -
ALT ADDER - Roadway Travel Lane Striping	1	LS		\$ -		\$ 67,000.00		\$ -		\$ -		\$ -
<b>Total: Base Bid + Alt. 1</b>				<b>\$5,029,207.00</b>		<b>\$12,054,000.00</b>		<b>\$0.00</b>		<b>\$0.00</b>		<b>\$0.00</b>
% Variance from Low Bid				0%		139.68%		0.00%				0.00%
Submittals		WK										
Fabrication & Delivery		WK		NA		N/A						
Erection		WK										
Duration of Construction		Days										
Proposal Terms and Conditions:												
Agreed to PLW T&C		Y/N		Y		Y*						
Agreed to TWDB-0551 Supplemental Conditions		Y/N		Y		Y						
Agreed American Iron & Steel Req.		Y/N		Y		Y						
Agreed to Davis-Bacon Wage Rates		Y/N		Y		Y						
Agreed to EPA Fair Share Policy		Y/N		Y		Y*						
% MWBE Participation		%		5.60%		7.36%						
Qualification Forms Submitted		Y/N		Y		Y						
Acknowledge Receipt of Addenda		Y/N		Y		Y						
Technical Proposal												
Scope of Work		Y/N		Y		Y						
Project Approach		Y/N		Y		Y						
Project Experience		Y/N		N		Y						
Project Team Organization/Key Personnel		Y/N		Y		Y						
Schedule		Y/N		Y		Y						
Safety		Y/N		Y		Y						
Bid Bond		Y/N		N		Y						

Ranking Tabulation		1	2	3	4	5
Bid Item	Weight	WPM Construction Services, Inc.	Zachry Construction Corporation	0	0	0
Total Base Bid (Lowest Price/Evaluated Proposal Price) x Points Available = Score	50%	50.00	20.86	#DIV/0!	#DIV/0!	#DIV/0!
Technical Proposal - Safety	10%	10.00	10.00			
Technical Proposal - Experience and Qualifications	30%	25.00	30.00			
Compliance with Proposal Terms and Conditions (See list above)	10%	10.00	7.00			
<b>Total Points</b>	<b>100%</b>	<b>95.00</b>	<b>67.86</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>

Date of Recommendation:	03/29/24
Recommended Vendor	WPM Construction Services, Inc.
Contract Value:	\$5,590,528.00
Recommended By:	Triston Young, PLW Waterworks

# **WPM Construction Services**



**Request For Proposal  
Bid Form - Subcontractors**

3/15/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

PACKAGE NO.: BOP9-01.01  
 PACKAGE DESCRIPTION: Site Work Package  
 PROPOSER'S COMPANY NAME: WPM Construction Services, Inc.

The undersigned, having carefully examined the Proposal Documents and the site of the proposed Work, and being familiar with existing conditions and obstacles under which the Work is to be performed, hereby offers and agrees to furnish all labor, materials, and services necessary to execute the proposed Work and has included all costs associated therewith in the preparation of its Proposal.

**TOTAL BASE PROPOSAL PRICE:**

In Words: five million five hundred ninety thousand five hundred twenty eight  
 In Figures: \$ 5,590,528.00

SECTION 1 - DIRECT COST				
ITEM	DESCRIPTION	QTY	UNIT	COST
1	Division 1 - General Conditions	1	LS	\$ -
2	Division 1 - Quality Control Testing & Inspection	1	LS	\$ -
3	Division 1 - Startup & Commissioning	1	LS	\$ -
4	Division 1 - Mob/Demob	1	LS	\$ -
5	Division 1 - Trench Safety (Must provide unit cost, per TWDB)	1	LF	\$ 5.00
Site Work				5506600
6	Division 2 - Site Construction	1	LS	\$ -
7	Division 3 - Concrete	1	LS	\$ -
8	Division 4 - Masonry	1	LS	\$ -
9	Division 5 - Metals	1	LS	\$ -
10	Division 6 - Wood & Plastics	1	LS	\$ -
11	Division 7 - Thermal & Moisture Protection	1	LS	\$ -
12	Division 8 - Openings	1	LS	\$ -
13	Division 9 - Finishes	1	LS	\$ -
14	Division 10 - Specialties	1	LS	\$ -
15	Division 11 - Process Equipment	1	LS	\$ -
16	Division 12 - Furnishings	1	LS	\$ -
17	Division 13 - Special Construction	1	LS	\$ -
18	Division 14 - Conveying Systems	1	LS	\$ -
19	Division 15 - Process Mechanical/Building Mechanical	1	LS	\$ -
20	Division 16 - Electrical	1	LS	\$ -
<b>CONSTRUCTION BASE PRICE PROPOSAL TOTAL</b>				
21	Bonds			82600
22	Taxes (non-permanent material)			1328
<b>TOTAL BASE PROPOSAL PRICE</b>				<b>\$ 5,590,528.00</b>
<b>SECTION 2 - ALTERNATES &amp; VALUE ENGINEERING</b>				



**Request For Proposal  
Bid Form - Subcontractors**

3/15/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

ITEM	DESCRIPTION	QTY	UNIT	COST
1	F02-1: Fencing Materials	1	LS	\$ (297,500.00)
2	F04-01: Phase 4 Stormwater Detention	1	LS	\$ 89,399.00
3	Delete All Landscaping Scope	1	LS	\$ (1,100,000.00)
4			LS	\$ -
5				\$ -
6				\$ -

**SECTION 3 - ADDENDA**

Acknowledge Receipt of Addenda by Adding Date Issued and Initial below:	Initial	Date
Addendum No. 1	ZF	1/11/2024
Addendum No. 2		not issued - not on PLW site
Addendum No. 3	ZF	1/17/2024
Addendum No. 4	ZF	1/26/2024
Addendum No. 5	ZF	2/1/2024
Addendum No. 6	ZF	2/9/2024
Addendum No. 7	ZF	2/19/2024
Addendum No. 8	ZF	2/28/2024
Addendum No. 9	ZF	3/6/2024

**SECTION 4 - ASSUMPTIONS AND CLARIFICATIONS**

Please list all Assumptions & Clarifications below (Add additional line items as necessary)

1	see attached letterhead proposal
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	

**SECTION 5 - ADDITIONAL TERMS AND PROVISIONS**

This Proposal shall be valid for a period of not less than ninety (90) days from the Bid Due Date as amended.



## Request For Proposal Bid Form - Subcontractors

3/15/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

This contract is contingent upon the release of funds from the Texas Water Development Board (TWDB).  
The CMAR reserves the right to reject any and all Bids, to waive any and all informalities not involving price, time, or changes in the Work, and to negotiate contract terms with the Successful Bidder and the right to disregard all nonconforming, nonresponsive, unbalanced, or conditional Bids. Also, the CMAR reserves the right to reject the Bid of any Bidder if the CMAR believes that it would not be in the best interest of the Project to make an award to that Bidder, whether because the Bid is not responsive, or the Bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established by the CMAR. In evaluating Bids, the CMAR will consider the qualifications of the Bidders, whether the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.

**OWNER REQUIRED- Due to TWDB being the project funding source:**

Agreed to Current TWDB-0551 Supplemental Conditions (yes or no):	Yes
Agreed to American Iron & Steel Requirements of This Contract (yes or no):	Yes
Agreed to Davis-Bacon Wage Rate Requirements of the Contract (yes or no):	Yes
Agreed to Current EPA Fair Share Policy and Fair Share Goals (yes or no):	Yes

**PLW TERMS & CONDITIONS:**

Agreed to PLW Terms and Conditions (yes or no):	Yes
-------------------------------------------------	-----

If NO- Please attach a Request for Modifications/Sample Subcontract Markup to this bid.

**Additional Information:**

Percentage of MWDBE Participation Provided as a Part of This Bid:	5.6%
-------------------------------------------------------------------	------

Company Name: WPM Construction Services, Inc.  
 Contact Name and Title: Zach Forth, Estimator  
 Contact Phone Number: 512-845-6411  
 Signature:

<u>Bid Evaluation Criteria:</u>	Weighting Value
<b>Description</b> <b>Cost Proposal</b> Complete Bid Package Cost <i>(Lowest Price/Evaluated Proposal Price) x Points Available = Score</i>	50 Points
<b>Technical Proposal</b> Safety (EMR & TRIR) <i>(Provide your current Workers Compensation Experience Rating (EMR) and current Total Recordable Incident Rate (TRIR) and attached additional supporting data)</i> Experience and Qualifications <i>(Provide Subcontractor Information Form, Project Approach and Schedule)</i>	10 Points  30 Points
<b>Compliance with Proposal Terms and Conditions</b> Conformance with Bid Package Requirements <i>(Any exclusions to the contract documents or design requirements Need to be listed on company's letterhead and submitted with the proposal.)</i>	10 Points
<b>TOTAL</b>	<b>100 Points</b>

# **Zachry Construction Corporation**



**Request For Proposal  
Bid Form - Subcontractors**

3/22/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

PACKAGE NO.: BOP9-01.01 REV1  
 PACKAGE DESCRIPTION: Site Work Package  
 PROPOSER'S COMPANY NAME: Zachry Construction Corporation

The undersigned, having carefully examined the Proposal Documents and the site of the proposed Work, and being familiar with existing conditions and obstacles under which the Work is to be performed, hereby offers and agrees to furnish all labor, materials, and services necessary to execute the proposed Work and has included all costs associated therewith in the preparation of its Proposal.

**TOTAL BASE PROPOSAL PRICE:**

In Words: Twelve Million One Hundred Sixty Two Thousand  
 In Figures: \$ 12,162,000.00

SECTION 1 - DIRECT COST				
ITEM	DESCRIPTION	QTY	UNIT	COST
1	Division 1 - General Conditions	1	LS	\$ -
2	Division 1 - Quality Control Testing & Inspection	1	LS	\$ -
3	Division 1 - Startup & Commissioning	1	LS	\$ -
4	Division 1 - Mob/Demob	1	LS	\$ 250,000.00
5	Division 1 - Trench Safety (Must provide unit cost, per TWDB)	1	LF	\$ -
	<b>Site Work</b>			<b>\$ 11,819,000.00</b>
6	Division 2 - Site Construction	1	LS	\$ -
7	Division 3 - Concrete	1	LS	\$ -
8	Division 4 - Masonry	1	LS	\$ -
9	Division 5 - Metals	1	LS	\$ -
10	Division 6 - Wood & Plastics	1	LS	\$ -
11	Division 7 - Thermal & Moisture Protection	1	LS	\$ -
12	Division 8 - Openings	1	LS	\$ -
13	Division 9 - Finishes	1	LS	\$ -
14	Division 10 - Specialties	1	LS	\$ -
15	Division 11 - Process Equipment	1	LS	\$ -
16	Division 12 - Furnishings	1	LS	\$ -
17	Division 13 - Special Construction	1	LS	\$ -
18	Division 14 - Conveying Systems	1	LS	\$ -
19	Division 15 - Process Mechanical/Building Mechanical	1	LS	\$ -
20	Division 16 - Electrical	1	LS	\$ -
<b>CONSTRUCTION BASE PRICE PROPOSAL TOTAL</b>				
21	Bonds			\$ 60,000.00
22	Taxes (non-permanent material)			\$ 33,000.00
				<b>TOTAL BASE PROPOSAL PRICE \$ 12,162,000.00</b>
SECTION 2 - ALTERNATES & VALUE ENGINEERING				
ITEM	DESCRIPTION	QTY	UNIT	COST



**Request For Proposal  
Bid Form - Subcontractors**

3/22/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

1 F02-1: Fencing Materials	1 LS	\$	(220,000.00)
2 F04-01: Phase 4 Stormwater Detention	1 LS	\$	(22,000.00)
3 ALT ADDER - Construct Berm	1 LS	\$	48,000.00
4 ALT ADDER - Roadway Signs	1 LS	\$	19,000.00
5 ALT ADDER - Roadway Travel Lane Striping	1 LS	\$	67,000.00
6		\$	-

**SECTION 3 - ADDENDA**

Acknowledge Receipt of Addenda by Adding Date Issued and Initial below:

	Initial	Date
Addendum No. 1		1/11/2024
Addendum No. 2		1/10/2024
Addendum No. 3		1/17/2024
Addendum No. 4		1/26/2024
Addendum No. 5		2/1/2024
Addendum No. 6		12/21/2023
Addendum No. 7		2/19/2024
Addendum No. 8		2/28/2024
Addendum No. 9		3/6/2024

**SECTION 4 - ASSUMPTIONS AND CLARIFICATIONS**

Please list all Assumptions & Clarifications below (Add additional line items as necessary)

- 1 All excavated spoils to remain onsite
- 2 Excavation of building pads to be done by others
- 3 Embankment around building pads below existing ground to be done by others
- 4 Pond excavation included in Proposal
- 5 Topsoil stripping to be done by others
- 6 All demo and clearing to be done by others
- 7 Seeding and temp irrigation is total disturbed area
- 8 6 inch lime treated subgrade with 6 inch flex base below roadway paving with 1' of overbuild
- 9 SWPPP to be installed and maintained by others
- 10 Permanent irrigation is for trees and shrubs on the two berms along front fence
- 11 Excludes all material testing
- 12 Assumed 6% lime for lime treated subgrade
- 13 See Attached
- 14
- 15

**SECTION 5 - ADDITIONAL TERMS AND PROVISIONS**

This Proposal shall be valid for a period of not less than ninety (90) days from the Bid Due Date as amended.  
This contract is contingent upon the release of funds from the Texas Water Development Board (TWDB).



## Request For Proposal Bid Form - Subcontractors

3/22/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

The CMAR reserves the right to reject any and all Bids, to waive any and all informalities not involving price, time, or changes in the Work, and to negotiate contract terms with the Successful Bidder and the right to disregard all nonconforming, nonresponsive, unbalanced, or conditional Bids. Also, the CMAR reserves the right to reject the Bid of any Bidder if the CMAR believes that it would not be in the best interest of the Project to make an award to that Bidder, whether because the Bid is not responsive, or the Bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established by the CMAR. In evaluating Bids, the CMAR will consider the qualifications of the Bidders, whether the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.

**OWNER REQUIRED- Due to TWDB being the project funding source:**

Agreed to Current TWDB-0551 Supplemental Conditions (yes or no):	Yes
Agreed to American Iron & Steel Requirements of This Contract (yes or no):	Yes
Agreed to Davis-Bacon Wage Rate Requirements of the Contract (yes or no):	Yes
Agreed to Current EPA Fair Share Policy and Fair Share Goals (yes or no):	Yes*

\*Our price and schedule is based on (i) the project already being enrolled USEPA Fair Share Goals, (ii) that the stated DBE goal, if any, is only a goal and not requirement, and (iii) that we will only be responsible, if at all, to the extent the goal applies specifically to our work and only for the duration of our work.

**PLW TERMS & CONDITIONS:**

Agreed to PLW Terms and Conditions (yes or no): See Attached

If NO- Please attach a Request for Modifications/Sample Subcontract Markup to this bid.

**Additional Information:**

Percentage of MWDBE Participation Provided as a Part of This Bid: 7.36%

Company Name: Zachry Construction Corporation  
 Contact Name and Title: Jim Austin, Vice President - Chief Estimator  
 Contact Phone Number: 210.871.2874  
 Signature:

<u>Bid Evaluation Criteria:</u>	Weighting Value
<b>Description</b>	
<b>Cost Proposal</b>	
Complete Bid Package Cost <i>(Lowest Price/Evaluated Proposal Price) x Points Available = Score</i>	50 Points
<b>Technical Proposal</b>	
Safety (EMR & TRIR) <i>(Provide your current Workers Compensation Experience Rating (EMR) and current Total Recordable Incident Rate (TRIR) and attached additional supporting data)</i>	10 Points
Experience and Qualifications <i>(Provide Subcontractor Information Form, Project Approach and Schedule)</i>	30 Points
<b>Compliance with Proposal Terms and Conditions</b>	
Conformance with Bid Package Requirements <i>(Any exclusions to the contract documents or design requirements Need to be listed on company's letterhead and submitted with the proposal.)</i>	10 Points
<b>TOTAL</b>	<b>100 Points</b>

# BOP11-01.01 Package

- » Recommendation Letter
- » Package Comparison Chart
- » Recommended Bidder
  - Bid Form
  - Proposal



## Work Package Recommendation

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR  
Sitewide HVAC Package | BOP11-01.01  
PLW Project #: P5K

Enclosed is a recommendation for the selection of a subcontractor to provide services for the above-mentioned project. All bids have been evaluated, irregularities between proposals were clarified with bidders and factored into evaluation.

Please review the following documents and accept or decline the recommendation.

- Bid Tabulation and Comparison Charts (CompCharts)
- Proposal documents for Recommended Bidder
- Bid Forms for additional bidders

Your acceptance of our recommendation will initiate the contract process with the named vendor. However, contracts would not be executed until the applicable GMP proposal pricing has been accepted by the City Council.

Thank you,

PLW Waterworks Project Team



## Work Package Recommendation Narrative

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR  
Sitewide HVAC Package | BOP11-01.01  
PLW Project #: P5K

### **Recommended Bidder: Garland Heating & Air Conditioning**

Six (6) companies were solicited to bid on this scope of work to:

Furnish all labor, material, and equipment to perform HVAC work per contract documents sitewide. Subcontractor to coordinate with CMAR and other area subcontractors for proper installation/routing of equipment per Contract Documents. Pricing will need to reflect AIS requirements. The scope for the entire project is not limited to what is summarized on the bid form.

Only one (1) fully submitted a bid on time and in compliance with the scope of work and requirements.

**Bidder 1: Garland Heating & Air Conditioning**

The bidder was the only bidder and received the highest score on cost and considered tabulation.

We recommend proceeding with the bid proposal from Garland Heating & Air Conditioning based on their quote and qualifications. We believe we will be able to come to terms and execute a contract with Garland Heating & Air Conditioning, Inc. for this package as PLW has experience working with them.

## City of Pflugerville, Texas: Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)

Bid Package BOP11\_01.01 -Sitewide HVAC Package

Bid Tabulation		Garland Heating & A/C										
Bid Item	BUDGETED		BIDDER 1		BIDDER 2		BIDDER 3		BIDDER 4		BIDDER 5	
	QTY	UOM	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
Division 1 - General Conditions	1	LS		\$ -		\$ -		\$ -		\$ -		\$ -
Division 1 - Quality Control Testing & Inspection	1	LS		\$ -		\$ -		\$ -		\$ -		\$ -
Division 1 - Startup & Commissioning	1	LS		\$ -		\$ -		\$ -		\$ -		\$ -
Division 1 - Mob/Demob	1	LS		\$ -		\$ -		\$ -		\$ -		\$ -
Division 1 - Trench Safety (Must provide unit cost, per TWDB)		LF		\$ -		\$ -		\$ -		\$ -		\$ -
HVAC				\$ 3,705,000.00		\$ -		\$ -		\$ -		\$ -
Bonds				\$ -		\$ -		\$ -		\$ -		\$ -
Taxes (non-permanent material)				\$ -		\$ -		\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -		\$ -		\$ -
<b>Total: Base Bid</b>				<b>\$ 3,705,000.00</b>		<b>\$ -</b>		<b>\$ -</b>		<b>\$ -</b>		<b>\$ -</b>
				\$ -		\$ -		\$ -		\$ -		\$ -
<b>Total: Base Bid + Alt. 1</b>				<b>\$3,705,000.00</b>		<b>\$0.00</b>		<b>\$0.00</b>		<b>\$0.00</b>		<b>\$0.00</b>
<b>% Variance from Low Bid</b>				<b>0%</b>		<b>0.00%</b>		<b>0.00%</b>		<b>0.00%</b>		<b>0.00%</b>
Submittals		WK										
Fabrication & Delivery		WK										
Erection		WK										
Duration of Construction		Days										
Proposal Terms and Conditions:												
Agreed to PLW T&C		Y/N		Y								
Agreed to TWDB-0551 Supplemental Conditions		Y/N		Y								
Agreed American Iron & Steel Req.		Y/N		Y								
Agreed to Davis-Bacon Wage Rates		Y/N		Y								
Agreed to EPA Fair Share Policy		Y/N		Y								
% MWBE Participation		%		TBD								
Qualification Forms Submitted		Y/N		N								
Acknowledge Receipt of Addenda		Y/N		Y								
Technical Proposal												
Scope of Work		Y/N										
Project Approach		Y/N		N								
Project Experience		Y/N		N								
Project Team Organization/Key Personnel		Y/N		N								
Schedule		Y/N		N								
Safety		Y/N		N								
Bid Bond		Y/N		N								

Ranking Tabulation						
Bid Item	Weight	1 Garland Heating & A/C	2	3	4	5
Total Base Bid (Lowest Price/Evaluated Proposal Price) x Points Available = Score	50%	50.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Technical Proposal - Safety	10%	0.00				
Technical Proposal - Experience and Qualifications	30%	0.00				
Compliance with Proposal Terms and Conditions (See list above)	10%	10.00				
<b>Total Points</b>	<b>100%</b>	<b>60.00</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>

Date of Recommendation:	03/29/24
Recommended Vendor	Garland Heating & A/C
Contract Value:	\$3,705,000.00
Recommended By:	Triston Young, PLW Waterworks

# **Garland Heating & Air Conditioning**



**Request For Proposal  
Bid Form - Subcontractors**

2/27/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

**PACKAGE NO.:** BOP11-01.01  
**PACKAGE DESCRIPTION:** Sitewide HVAC Package  
**PROPOSER'S COMPANY NAME:** Excel Air LLC DBA Garland Heating and Air Conditioning

The undersigned, having carefully examined the Proposal Documents and the site of the proposed Work, and being familiar with existing conditions and obstacles under which the Work is to be performed, hereby offers and agrees to furnish all labor, materials, and services necessary to execute the proposed Work and has included all costs associated therewith in the preparation of its Proposal.

**TOTAL BASE PROPOSAL PRICE:**

In Words: Three Million Seven Hundred and Five Thousand  
 In Figures: \$ 3,705,000.00

SECTION 1 - DIRECT COST				
ITEM	DESCRIPTION	QTY	UNIT	COST
1	Division 1 - General Conditions	1	LS	\$ -
2	Division 1 - Quality Control Testing & Inspection	1	LS	\$ -
3	Division 1 - Startup & Commissioning	1	LS	\$ -
4	Division 1 - Mob/Demob	1	LS	\$ -
5	Division 1 - Trench Safety <small>(Must provide unit cost, per TWDB)</small>	1	LF	\$ -
	<b>HVAC</b>			<b>\$ 3,705,000.00</b>
6	Division 2 - Site Construction	1	LS	\$ -
7	Division 3 - Concrete	1	LS	\$ -
8	Division 4 - Masonry	1	LS	\$ -
9	Division 5 - Metals	1	LS	\$ -
10	Division 6 - Wood & Plastics	1	LS	\$ -
11	Division 7 - Thermal & Moisture Protection	1	LS	\$ -
12	Division 8 - Openings	1	LS	\$ -
13	Division 9 - Finishes	1	LS	\$ -
14	Division 10 - Specialties	1	LS	\$ -
15	Division 11 - Process Equipment	1	LS	\$ -
16	Division 12 - Furnishings	1	LS	\$ -
17	Division 13 - Special Construction	1	LS	\$ -
18	Division 14 - Conveying Systems	1	LS	\$ -
19	Division 15 - Process Mechanical/Building Mechanical	1	LS	\$ -
20	Division 16 - Electrical	1	LS	\$ -
<b>CONSTRUCTION BASE PRICE PROPOSAL TOTAL</b>				
21	Bonds			
22	Taxes (non-permanent material)			
				<b>TOTAL BASE PROPOSAL PRICE \$ 3,705,000.00</b>
<b>SECTION 2 - ALTERNATES &amp; VALUE ENGINEERING</b>				



**Request For Proposal  
Bid Form - Subcontractors**

2/27/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

ITEM	DESCRIPTION	QTY	UNIT	COST
1			LS	\$ -
2			LS	\$ -
3			LS	\$ -
4			LS	\$ -
5				\$ -
6				\$ -

**SECTION 3 - ADDENDA**

Acknowledge Receipt of Addenda by Adding Date Issued and Initial below:	Initial	Date
Addendum No. 1	AA	27-Feb-24
Addendum No. 2	AA	27-Feb-24
Addendum No. 3	AA	27-Feb-24
Addendum No. 4	AA	27-Feb-24
Addendum No. 5	AA	27-Feb-24
Addendum No. 6	AA	27-Feb-24

**SECTION 4 - ASSUMPTIONS AND CLARIFICATIONS**

Please list all Assumptions & Clarifications below (Add additional line items as necessary)

- See the attached proposal with all the conditions outlined.

**SECTION 4 - ASSUMPTIONS AND CLARIFICATIONS**

This Proposal shall be valid for a period of not less than ninety (90) days from the Bid Due Date as amended.

This contract is contingent upon the release of funds from the Texas Water Development Board (TWDB).

The CMAR reserves the right to reject any and all Bids, to waive any and all informalities not involving price, time, or changes in the Work, and to negotiate contract terms with the Successful Bidder and the right to disregard all nonconforming, nonresponsive, unbalanced, or conditional Bids. Also, the CMAR reserves the right to reject the Bid of any Bidder if the CMAR believes that it would not be in the best interest of the Project to make an award to that Bidder, whether because the Bid is not responsive, or the Bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established by the CMAR. In evaluating Bids, the CMAR will consider the qualifications of the Bidders, whether the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.

**OWNER REQUIRED- Due to TWDB being the project funding source:**

Agreed to Current TWDB-0551 Supplemental Conditions (yes or no):	Yes
Agreed to American Iron & Steel Requirements of This Contract (yes or no):	Yes
Agreed to Davis-Bacon Wage Rate Requirements of the Contract (yes or no):	Yes
Agreed to Current EPA Fair Share Policy and Fair Share Goals (yes or no):	Yes

**PLW TERMS & CONDITIONS:**

Agreed to PLW Terms and Conditions (yes or no):	Yes
-------------------------------------------------	-----

If NO- Please attach a [Request for Modifications/Sample Subcontract Markup](#) to this bid.



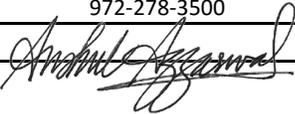
**Request For Proposal  
Bid Form - Subcontractors**

2/27/2024

Wilbarger Creek Regional Wastewater Treatment Facility (WCRWWTF)  
Phase 1 Construction - CMAR

**Additional Information:**

Percentage of MWDBE Participation Provided as a Part of This Bid: TBD

Excel Air LLC DBA Garland Heating and Air  
 Company Name: Conditioning  
 Contact Name and Title: Anshul Aggarwal  
 Contact Phone Number: 972-278-3500  
 Signature: 

<b><u>Bid Evaluation Criteria:</u></b>	<b>Weighting Value</b>
<b>Description</b>	
<b>Cost Proposal</b>	
Complete Bid Package Cost <i>(Lowest Price/Evaluated Proposal Price) x Points Available = Score</i>	50 Points
<b>Technical Proposal</b>	
Safety (EMR & TRIR) <i>(Provide your current Workers Compensation Experience Rating (EMR) and current Total Recordable Incident Rate (TRIR) and attached additional supporting data)</i>	10 Points
Experience and Qualifications <i>(Provide Subcontractor Information Form, Project Approach and Schedule)</i>	30 Points
<b>Compliance with Proposal Terms and Conditions</b>	
Conformance with Bid Package Requirements <i>(Any exclusions to the contract documents or design requirements Need to be listed on company's letterhead and submitted with the proposal.)</i>	10 Points
<b>TOTAL</b>	<b>100 Points</b>

# **Exhibit A.3      General Conditions Labor Summary Report**





# **Exhibit A.4      Site Logistics Summary Report**



WCRWWTF GMP2 Site Logistics Summary

Construction Start Date 7/1/2024  
Construction End Date 5/7/2027

Description	Qty Proposal		Project Duration	Actual Unit Cost	
	Qty	UOM	35	Unit Cost	Total Cost
<b>PLW Office Trailer and Conference Center</b>					
Trailer Lease <sup>1</sup>	35.00	Months	\$	4,980.47	\$ 174,316.54
Holding / Sewer Tank Service <sup>2</sup>	35.00	Months	\$	2,457.28	\$ 86,004.63
Internet & IT Cost (software, licenses...) <sup>4</sup>	35.00	Months	\$	1,696.28	\$ 59,369.73
Copier Service / Printer	35.00	Months	\$	400.00	\$ 14,000.00
Office Supplies	35.00	Months	\$	3,500.00	\$ 122,500.00
Trash Dumpster	35.00	Months	\$	4,475.06	\$ 156,626.93
Office Machines	35.00	Months	\$	500.00	\$ 17,500.00
Office Cleaning <sup>3</sup>	35.00	Months	\$	1,077.09	\$ 37,698.06
Water Service	35.00	Months	\$	500.00	\$ 17,500.00
Job Site Photo's	35.00	Months	\$	1,250.00	\$ 43,750.00
Tool Trailer/Connex	1.00	LS	\$	10,000.00	\$ 10,000.00
Time Lapse Cameras Monthly (Prograss Video)	35.00	Months	\$	1,945.25	\$ 68,083.84
<b>Subtotal PLW Office Trailer and Conference Center</b>				<b>\$ 807,349.72</b>	
<b>Owner's Trailer</b>					
Trailer Lease <sup>1</sup>	35.00	Months	\$	1,833.39	\$ 64,168.74
Office Supplies	35.00	Months	\$	1,500.00	\$ 52,500.00
Office Cleaning <sup>3</sup>	35.00	Months	\$	525.01	\$ 18,375.44
Office Machines	35.00	Months	\$	500.00	\$ 17,500.00
<b>Subtotal Owner's Trailer</b>				<b>\$ 152,544.18</b>	
<b>Construction Support</b>					
Small Tools	35.00	Months	\$	5,000.00	\$ 175,000.00
Lull <sup>5</sup>	35.00	Months	\$	9,982.00	\$ 349,370.00
Street Sweeper <sup>5</sup>	35.00	Months	\$	2,673.75	\$ 93,581.25
Dozer <sup>5</sup>	23.00	Months	\$	4,206.70	\$ 96,754.10
Water Truck 2000gal <sup>5</sup>	35.00	Months	\$	3,030.25	\$ 106,058.75
Roller / Compactor <sup>5</sup>	23.00	Months	\$	3,208.50	\$ 73,795.50
Fuel for Equipment	35.00	Months	\$	3,465.18	\$ 121,281.30
Site Dewatering	35.00	Months	\$	2,000.00	\$ 70,000.00
Misc. Materials (Water bottles)	35.00	Months	\$	500.00	\$ 17,500.00
Port-a-Cans <sup>2</sup>	35.00	Months	\$	3,442.35	\$ 120,482.25
Ice and Water	1.00	LS	\$	10,000.00	\$ 10,000.00
Safety Equipment & PPE	35.00	Months	\$	3,073.50	\$ 107,572.50
Safety Training	35.00	Months	\$	750.00	\$ 26,250.00
Fire Extinguishers	35.00	Months	\$	500.00	\$ 17,500.00
Public/Site Protections (Security)	35.00	Months	\$	500.00	\$ 17,500.00
Project/As-Built Drawings	1.00	Each	\$	7,500.00	\$ 7,500.00
Site Utility Vehicles (3 ATV)	1.00	LS	\$	67,224.00	\$ 67,224.00
Utility Vehicle Maint	35.00	Months	\$	500.00	\$ 17,500.00
Third-Party & Factory Testing Support	1.00	LS	\$	60,000.00	\$ 60,000.00
Labor Shelter (shadow area - break area)	1.00	LS	\$	25,000.00	\$ 25,000.00
<b>Subtotal Construction Support</b>				<b>\$ 1,579,869.65</b>	
<b>Site Survey</b>					
Professional Survey	1.00	LS	\$	30,000.00	\$ 30,000.00
Survey Equipment	1.00	LS	\$	35,000.00	\$ 35,000.00
<b>Subtotal Site Survey</b>				<b>\$ 65,000.00</b>	
<b>Temporary Construction</b>					
Temporary Roads Material	24.00	Months	\$	2,632.50	\$ 63,180.00
Temporary Parking Materials	24.00	Months	\$	1,957.50	\$ 46,980.00
Off-site Storage Facility Lease (Stored Mat.) + Fees	24.00	Months	\$	10,250.00	\$ 246,000.00
Warehouse Forklift & pallet jack	24.00	Months	\$	500.00	\$ 12,000.00
Transportation from Off-site facility to Job site	10.00	Each	\$	2,000.00	\$ 20,000.00
Street Rental & Barricades	35.00	Months	\$	500.00	\$ 17,500.00
Temporary Fence Removal	1.00	LS	\$	20,000.00	\$ 20,000.00
Ground Water Management Plan	1.00	LS	\$	20,000.00	\$ 20,000.00
Traffic Control Plan	90.00	Days	\$	450.00	\$ 40,500.00
Concrete Wash-out	35.00	Months	\$	1,600.00	\$ 56,000.00
<b>Subtotal Temporary Construction</b>				<b>\$ 542,160.00</b>	
<b>Temporary Commissioning Cost</b>					
Commissioning Misc. Equipment	1.00	LS	\$	90,000.00	\$ 90,000.00
<b>Subtotal Temporary Commissioning Cost</b>				<b>\$ 90,000.00</b>	
<b>GMP2 TOTAL</b>				<b>\$ 3,236,923.54</b>	
<b>PROJECT TOTAL (GMP1 + GMP2)</b>				<b>\$ 4,393,261.54</b>	

Reference backup documentation based on below legend:

- 1 - Trailer Invoices
- 2 - Tank Service and Port-a-Cans
- 3 - Office Trailer Cleaning
- 4 - Office Trailer Internet Service
- 5 - Equipment Rental

# Office Trailer Rental (PLW and Owner)

# Lease Agreement #Q044870



Date: 12/8/2023

**Company:**  
PLW Waterworks LLC  
1725 Hughes Landing Blvd  
Ste 1200  
Spring, TX 77380-3875

**Site Location:**  
Wilbarger Project  
10100 Gregg Ln  
Manor, TX 78653-3610

**Patrick Huskins**  
**Cell:**  
**Office:** 512.587.5765

**Contact:**  
Colton Dunk - 346.587.7822  
cdunk@plwus.com

**Site Contact:**

**Term:** 40 Months      **Start:** 2/5/2024      **End:** 6/5/2027      **Delivery:** 2/5/2024      **PO/Job#:**

Start/Delivery dates are tentative until a unit number has been assigned

Rental Costs Per Month	Qty	Rate	Extended	Tax
Rental - 72x60 Office with Restroom	1	\$4,333.00	\$4,333.00	\$357.48
Fee - Personal Property Tax	1	\$290.00	\$290.00	\$0.00
Subtotals			\$4,623.00	\$357.48
<b>Total Due Each Month</b>				<b>\$4,980.48</b>

Installation Costs	Qty	Rate	Extended	Tax
Custom Modifications-Price to Stick Build 108 LF of walls, add 5 ft of lower cabinets/counter top to already existing cabinetry and countertops, and add/plumb 1 Urinal with a supply line	1	\$14,778.00	\$14,778.00	\$1,219.19
Delivery - Freight	6	\$550.00	\$3,300.00	\$272.25
Install - Skirting Vinyl	1	\$3,366.00	\$3,366.00	\$277.70
Install - Standard	1	\$9,620.00	\$9,620.00	\$793.65
Subtotals			\$31,064.00	\$2,562.79
<b>Total Installation Costs</b>				<b>\$33,626.79</b>

Estimated Removal Costs*	Qty	Rate	Extended	Tax
Return - Skirting Removal	1	\$750.00	\$750.00	\$61.88
Return - Standard Teardown	1	\$7,475.00	\$7,475.00	\$616.70
Return - Freight	6	\$550.00	\$3,300.00	\$272.25
Subtotals			\$11,525.00	\$950.83
<b>Total Due at End of Lease</b>				<b>\$12,475.83</b>

\*Calculated at return using current market rates for lease terms greater than 12 mo.

# Lease Agreement #Q044868



Date: 12/8/2023

**Company:**  
PLW Waterworks LLC  
1725 Hughes Landing Blvd  
Ste 1200  
Spring, TX 77380-3875

**Site Location:**  
Wilbarger Project  
10100 Gregg Ln  
Manor, TX 78653-3610

**Patrick Huskins**  
**Cell:**  
**Office:** 512.587.5765

**Contact:**  
Colton Dunk - 346.587.7822  
cdunk@plwus.com

**Site Contact:**

**Term:** 40 Months      **Start:** 2/5/2024      **End:** 6/5/2027      **Delivery:** 2/5/2024      **PO/Job#:**

Start/Delivery dates are tentative until a unit number has been assigned

Rental Costs Per Month	Qty	Rate	Extended	Tax
Rental - 24x60 Office with Restroom	1	\$1,629.00	\$1,629.00	\$134.40
Fee - Personal Property Tax	1	\$70.00	\$70.00	\$0.00
		Subtotals	\$1,699.00	\$134.40
		<b>Total Due Each Month</b>		<b>\$1,833.40</b>

Installation Costs	Qty	Rate	Extended	Tax
Delivery - Freight	2	\$550.00	\$1,100.00	\$90.75
Install - Skirting Vinyl	1	\$2,100.00	\$2,100.00	\$173.25
Install - Standard	1	\$2,950.00	\$2,950.00	\$243.38
		Subtotals	\$6,150.00	\$507.38
		<b>Total Installation Costs</b>		<b>\$6,657.38</b>

Estimated Removal Costs*	Qty	Rate	Extended	Tax
Return - Skirting Removal	1	\$430.00	\$430.00	\$35.48
Return - Standard Teardown	1	\$2,200.00	\$2,200.00	\$181.50
Return - Freight	2	\$550.00	\$1,100.00	\$90.75
		Subtotals	\$3,730.00	\$307.73
		<b>Total Due at End of Lease</b>		<b>\$4,037.73</b>

\*Calculated at return using current market rates for lease terms greater than 12 mo.

- ALL Office Trailer Tank Service
- PLW Waterworks Port-a-Cans (5 Units)



**Account #:** ACT-01565929  
**Quote #:** Q-944037  
**Expiration Date:** 03-28-24

**Quote**

**Date:** 03-22-24

**Customer:** PLW WATERWORKS LLC

**Document #**  
944037

**Delivery Address:**

10100 Gregg Lane  
 MANOR, TX 78653

**Requested By:**

Ronan McDonnell  
 346-298-9577  
[rmcdonnell@plwus.com](mailto:rmcdonnell@plwus.com)

**USS Contact:**

Item	Unit	Unit Price	Qty	Charge Type	Total Charge	Tax
<b>Restroom Bundle Configuration</b> Estimated Delivery 04-01-24						
Standard Restroom	EA	\$40.00	5	Recurring	\$200.00	Y
Hand Sanitizer Refill	EA	\$20.00	5	Recurring	\$100.00	Y
1 Service 2 Days per Week	EA	\$80.00	5	Recurring	\$400.00	Y
<b>Hand Cleaning Bundle Configuration</b> Estimated Delivery 04-01-24						
2 Station Hand Wash Sink	EA	\$40.00	1	Recurring	\$40.00	Y
1 Service 2 Days per Week	EA	\$80.00	1	Recurring	\$80.00	Y
<b>Restroom Bundle Configuration</b> Estimated Delivery 04-01-24						
1 Service 3 Days per Week	EA	\$120.00	5	Recurring	\$600.00	Y
Standard Restroom	EA	\$40.00	5	Recurring	\$200.00	Y

<b>Hand Cleaning Bundle Configuration</b> Estimated Delivery 04-01-24						
2 Station Hand Wash Sink	EA	\$40.00	1	Recurring	\$40.00	Y
1 Service 3 Days per Week	EA	\$120.00	1	Recurring	\$120.00	Y
<b>Tank Bundle Configuration</b> Estimated Delivery 04-01-24						
1 Service 1 Day per Week	EA	\$225.00	3	Recurring	\$675.00	Y
250 Gallon Waste Holding Tank	EA	\$40.00	3	Recurring	\$120.00	Y
Install and Setup Tank	EA	\$250.00	3	One-Time	\$750.00	Y
<b>Tank Bundle Configuration</b> Estimated Delivery 04-01-24						
1 Service 2 Days per Week	EA	\$450.00	3	Recurring	\$1350.00	Y
250 Gallon Waste Holding Tank	EA	\$40.00	3	Recurring	\$120.00	Y
Install and Setup Tank	EA	\$250.00	3	One-Time	\$750.00	Y
<b>Tank Bundle Configuration</b> Estimated Delivery 04-01-24						
1 Service 3 Days per Week	EA	\$675.00	3	Recurring	\$2025.00	Y
250 Gallon Waste Holding Tank	EA	\$40.00	3	Recurring	\$120.00	Y
Install and Setup Tank	EA	\$250.00	3	One-Time	\$750.00	Y

#### Other One-Time Charges

Item	Charge Type	Total Charge	Tax
Delivery and Pickup	One-Time	\$440.00	Y

Subtotal Recurring	\$6,190.00
Tax Recurring	\$510.68
<b>Total Recurring</b>	<b>\$6,700.68</b>

Subtotal One-Time	\$2,690.00
Tax One-Time	\$222.02
<b>Total One-Time</b>	<b>\$2,912.02</b>

<b>Grand Total</b>	<b>\$9,612.70</b>
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PLW Waterworks  
PLW Office Trailer Cleaning +  
Owner Office Trailer Cleaning



## quote

Area	Service Type	Frequency	Price
6 Plex Trailer	Evening cleaning	3X Per Week	\$995.00 *
2 Plex Trailer	Evening cleaning	3X Per Week	\$485.00 *
			\$0.00
			\$0.00
			\$0.00

Subtotal **\$1,480.00 \***

**Total \$1,480.00 \***

\* plus 8.25% tax



4

# PLW Waterworks ALL Office Trailer Internet

Starlink Service

Service Fee - \$500/mo (Tax excl)  
Tax (8.25%)



Shipping Address 

10100 GREGG LN  
MANOR TX 78653-3610  
US

Billing Information

NAME (AS IT APPEARS ON CARD)

CREDIT CARD NUMBER

MMYY

CVV

Use shipping address for billing

Service	\$500.00/mo
Hardware	\$2,785.00
Shipping & Handling	\$50.00
Tax	\$233.89

**DUE TODAY** **\$3,068.89**

PLACE ORDER

By placing this order, I agree to the Starlink [Terms Of Service and Privacy Policy](#). You can cancel the recurring payment at any time via your Starlink Account. Starlink may update its Service Terms and pricing as needed after providing the required notice to you. If your order fails and there is a red error message, we will still collect your email and phone number solely for the purpose of attempting to assist you in processing your order.

[Order issues? Contact support here](#)

## PLW Waterworks Equipment

### Site Logistics Items:

- Lull
- Street Sweeper
- Dozer
- Drainage Pumps

Prices from Webber Equipment Department

INSITE EQUIP CODE	DESCRIPTION	FLAT/ PASS THROUGH	2023 WEBBER DAILY RATE	2023 WEBBER MONTHLY RATE (+15% Repairs/Maintenance)
FL.003	12K-15K FORKLIFT	PASS THROUGH	\$ 140.00	\$ 4,991.00
SS.001	STREET SWEEPER	FLAT	\$ 75.00	\$ 2,673.75
DZ.001	DOZER 80 HP & BELOW	FLAT	\$ 118.00	\$ 4,206.70
TK.WA1	TRUCK WATER 2,000 GALLONS	FLAT	\$ 85.00	\$ 3,030.25
RP.001	COMPACTOR (PAD FOOT) 54 INCHES	PASS THROUGH	\$ 90.00	\$ 3,208.50
WP.001	WATER PUMP 4-6 INCHES DIESEL	PASS THROUGH	\$ 34.00	\$ 1,212.10

# **Exhibit A.5      Basis of Allowances**

### Basis of GMP 2 Allowance Summary

Item	Type	Source (Location/Package)	Company	Item Description	Cost
3.01	Site Work	BOP9-01.01 - Site Work	PLW Waterworks	<b>Soils Handling</b> - Allowance is for taking excavated material from onsite stockpile(s) and constructing required spoils mounds at the front of plant. If any additional material is required, import will also be covered by this allowance.	\$ 200,000.00
4.01	Mobilization	All Packages	PLW Waterworks	<b>Additional Tier 1 Mobilizations</b> - Allowance is to cover costs if a Tier 1 is required to demobilize for a significant period to accommodate the work of another Tier 1 or CMAR and incurs cost to remobilize.	\$ 100,000.00
5.01	Package Finalization	BOP6-01.01 - Area 6 - Commercial Buildings	Surius Building Company	<b>Flagpole</b> - Allowance is for finalizing the BOP6 subcontract amount to include a flagpole at the Operations and Laboratory Building.	\$ 6,000.00
5.02	Package Finalization	Multiple	Multiple	<b>Centrifuge Feed Pump and Solids Area Electrical Adjustments:</b> Allowance is for finalizing the BOP3 and BOP8 scopes to include the 3rd centrifuge feed pump and associated piping, electrical, instrumentation and controls adjustments in the solids area.	\$ 135,600.00
5.03	Package Finalization	BOP8-01.01 - Electrical and Instrumentation & Control	T. Morales Company	<b>Electrical concrete pedestals, pole bases, pads, slabs</b> - Allowance is for providing the referenced concrete work that is listed the BOP8 scope, but was excluded by the selected subcontractor.	\$ 696,576.00
5.04	Package Finalization	BOP9-01.01 - Site Work	WPM Construction Services	<b>Roadway Signs &amp; Pavement Marking</b> - Allowance is for providing the referenced work that is listed the BOP9 scope, but was excluded by the selected subcontractor.	\$ 48,000.00
5.05	Package Finalization	BOP9-01.01 - Site Work	WPM Construction Services	<b>CMU Wrought Iron Fence</b> - Allowance is for providing the referenced fencing that is listed the BOP9 scope, but was excluded by the selected subcontractor.	\$ 353,220.00
5.06	Package Finalization	BOP2-01.01 - Area 2 - Aeration Facilities	PLW Waterworks	<b>Weir Wall Changes</b> - Allowance is for finalizing the BOP2 scope to include difference in wall height between the structural drawings and process drawings at the Aeration Basin.	\$ 22,000.00
5.07	Package Finalization	BOP7-01.01 - Yard Pipe Package	PLW Waterworks	<b>Yard Piping Fitting Changes</b> - Allowance is for finalizing the BOP7 scope to include additional and resized fittings.	\$ 149,400.00
				<b>Allowance Total</b>	\$ 1,710,796.00

## **Section 2: Schedule**

# Exhibit B.1 Schedule Summary

Activity ID	Activity Name	Original Duration	Start	Finish	2024												2025												2026												2027														
					O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
<b>Pre-Construction</b>					395	19-May-23 A	29-Aug-24	[Gantt bar: 19-May-23 to 29-Aug-24]																																															
<b>Construction and Operations Milestones</b>					1103	30-Apr-24 A	07-May-27	[Gantt bar: 30-Apr-24 to 07-May-27]																																															
CO_M_1160	NTP - GMP 2	0	01-Jul-24*		[Milestone diamond at 01-Jul-24]																																																		
CO_M_1080	Seeding and Raw Wastewater Flow	0		24-Sep-26	[Milestone diamond at 24-Sep-26]																																																		
CO_M_1110	WCRWWTF SUBSTANTIAL Completion	0		08-Mar-27	[Milestone diamond at 08-Mar-27]																																																		
CO_M_1130	WCRWWTF FINAL Completion	0		07-May-27	[Milestone diamond at 07-May-27]																																																		
<b>Issue For Construction (IFC) Documents</b>					45	30-Apr-24 A	02-Jul-24	[Gantt bar: 30-Apr-24 to 02-Jul-24]																																															
<b>Construction Phase</b>					743	24-Apr-23 A	22-Feb-27	[Gantt bar: 24-Apr-23 to 22-Feb-27]																																															
<b>GMP1 - Early Work Packages</b>					348	24-Apr-23 A	04-Aug-25	[Gantt bar: 24-Apr-23 to 04-Aug-25]																																															
<b>GMP2 - Balance of Plant</b>					692	05-Jun-24	22-Feb-27	[Gantt bar: 05-Jun-24 to 22-Feb-27]																																															
<b>Balance of Plant - Contract Executions</b>					70	05-Jun-24	12-Sep-24	[Gantt bar: 05-Jun-24 to 12-Sep-24]																																															
A6050	BOP7-09.01 - Yard Pipe Package Contract Execution	10	05-Jun-24	18-Jun-24	[Gantt bar: 05-Jun-24 to 18-Jun-24]																																																		
A6060	BOP8-01.01 - Electrical and Instrumentation & Control Contract Execution	10	06-Jun-24	19-Jun-24	[Gantt bar: 06-Jun-24 to 19-Jun-24]																																																		
A6030	BOP3-01.01 - Area 3,4 and 5 - Contract Execution	10	25-Jul-24	07-Aug-24	[Gantt bar: 25-Jul-24 to 07-Aug-24]																																																		
A6010	BOP1-01.01 - Area 1 - Contract Execution	10	29-Aug-24	12-Sep-24	[Gantt bar: 29-Aug-24 to 12-Sep-24]																																																		
A6020	BOP2-01.01 - Area 2 - Contract Execution	10	29-Aug-24	12-Sep-24	[Gantt bar: 29-Aug-24 to 12-Sep-24]																																																		
A6040	BOP6-01.01 - Area 6 - Contract Execution	10	29-Aug-24	12-Sep-24	[Gantt bar: 29-Aug-24 to 12-Sep-24]																																																		
A6070	BOP9-01.01 - Site Works Contract Execution	10	29-Aug-24	12-Sep-24	[Gantt bar: 29-Aug-24 to 12-Sep-24]																																																		
A6090	BOP11-01.01 - HVAC Contract Execution	10	29-Aug-24	12-Sep-24	[Gantt bar: 29-Aug-24 to 12-Sep-24]																																																		
<b>Balance of Plant - Submittals / Fabrication &amp; Delivery / Mobilization</b>					145	05-Jun-24	30-Dec-24	[Gantt bar: 05-Jun-24 to 30-Dec-24]																																															
<b>Balance of Plant - Construction</b>					681	20-Jun-24	22-Feb-27	[Gantt bar: 20-Jun-24 to 22-Feb-27]																																															
<b>BOP1-01.01 - Influent Lift Station (10), Headworks (12), Influent Foul Air (13)</b>					355	03-Sep-24	23-Jan-26	[Gantt bar: 03-Sep-24 to 23-Jan-26]																																															
<b>BOP1-01.01 - Influent Lift Station (10) and Influent Foul Air (16)</b>					355	03-Sep-24	23-Jan-26	[Gantt bar: 03-Sep-24 to 23-Jan-26]																																															
<b>BOP1-01.01 - Headworks (12)</b>					279	01-Oct-24	03-Nov-25	[Gantt bar: 01-Oct-24 to 03-Nov-25]																																															
<b>BOP1-01.01 - Odor Control</b>					60	03-Sep-25	25-Nov-25	[Gantt bar: 03-Sep-25 to 25-Nov-25]																																															
<b>BOP1-01.01 - ILS/HW Electrical Building (14)</b>					60	26-Nov-24	20-Feb-25	[Gantt bar: 26-Nov-24 to 20-Feb-25]																																															
<b>BOP7-01.01 - Yard Pipe Package</b>					626	09-Sep-24	22-Feb-27	[Gantt bar: 09-Sep-24 to 22-Feb-27]																																															
<b>BOP7-01.01 - Yard Pipe Package</b>					626	09-Sep-24	22-Feb-27	[Gantt bar: 09-Sep-24 to 22-Feb-27]																																															
<b>BOP2-01.01 - Aeration Basin (31) and Aeration Blower Facility (38)</b>					194	08-Oct-24	11-Jul-25	[Gantt bar: 08-Oct-24 to 11-Jul-25]																																															
<b>BOP2-01.01 - Aeration Basin (31)</b>					185	08-Oct-24	27-Jun-25	[Gantt bar: 08-Oct-24 to 27-Jun-25]																																															
<b>BOP2-01.01 - Aeration Blower Facility (38)</b>					155	03-Dec-24	11-Jul-25	[Gantt bar: 03-Dec-24 to 11-Jul-25]																																															
<b>BOP3-01.01 - Area 3, Area 4, and Area 5</b>					378	26-Dec-24	18-Jun-26	[Gantt bar: 26-Dec-24 to 18-Jun-26]																																															
<b>BOP3-01.01 - Secondary Clarifiers Area Piping and Process Equipment</b>					210	26-Dec-24	21-Oct-25	[Gantt bar: 26-Dec-24 to 21-Oct-25]																																															
<b>BOP3-01.01 - Mixed Liquor Splitter Box (40)</b>					100	04-Feb-25	24-Jun-25	[Gantt bar: 04-Feb-25 to 24-Jun-25]																																															
<b>BOP3-01.01 - Aluminium Sulfate Storage Building (60)</b>					115	28-Mar-25	09-Sep-25	[Gantt bar: 28-Mar-25 to 09-Sep-25]																																															
<b>BOP3-01.01 - RAS/WAS Pump Station and Electrical Building (46)</b>					105	28-Mar-25	25-Aug-25	[Gantt bar: 28-Mar-25 to 25-Aug-25]																																															
<b>BOP3-01.01 - Tertiary Filters (50)</b>					170	18-Apr-25	17-Dec-25	[Gantt bar: 18-Apr-25 to 17-Dec-25]																																															
<b>BOP3-01.01 - UV Facility (52,53)</b>					125	18-Apr-25	14-Oct-25	[Gantt bar: 18-Apr-25 to 14-Oct-25]																																															
<b>BOP3-01.01 - Effluent Facility (55)</b>					50	18-Apr-25	27-Jun-25	[Gantt bar: 18-Apr-25 to 27-Jun-25]																																															
<b>BOP3-01.01 - Non-Potable Water (56)</b>					50	09-May-25	21-Jul-25	[Gantt bar: 09-May-25 to 21-Jul-25]																																															
<b>BOP3-01.01 - Sodium Hypochlorite Storage / Feed Building (60)</b>					90	09-May-25	16-Sep-25	[Gantt bar: 09-May-25 to 16-Sep-25]																																															
<b>BOP3-01.01 - UV Electrical Building (54)</b>					90	23-May-25	30-Sep-25	[Gantt bar: 23-May-25 to 30-Sep-25]																																															
<b>BOP3-01.01 - Biosolids Handling Building (72)</b>					150	16-May-25	17-Dec-25	[Gantt bar: 16-May-25 to 17-Dec-25]																																															
<b>BOP3-01.01 - Aerated Sludge Holding Tanks Piping and Process Equipment</b>					248	30-Jun-25	18-Jun-26	[Gantt bar: 30-Jun-25 to 18-Jun-26]																																															
<b>BOP6-01.01 - Commercial Building Package</b>					258	15-Oct-24	17-Oct-25	[Gantt bar: 15-Oct-24 to 17-Oct-25]																																															
<b>BOP6-01.01 - Operations and Laboratory Building (85)</b>					210	23-Dec-24	17-Oct-25	[Gantt bar: 23-Dec-24 to 17-Oct-25]																																															
<b>BOP6-01.01 - Maintenance and Storage Building (86)</b>					145	15-Oct-24	08-May-25	[Gantt bar: 15-Oct-24 to 08-May-25]																																															
<b>BOP6-01.01 - Main Electrical Building (88)</b>					125	17-Jan-25	14-Jul-25	[Gantt bar: 17-Jan-25 to 14-Jul-25]																																															
<b>BOP6-01.01 - Generator Transformer Pad (89)</b>					35	11-Apr-25	30-May-25	[Gantt bar: 11-Apr-25 to 30-May-25]																																															
<b>BOP8-01.01 - Electrical and Instrumentation &amp; Control</b>					534	20-Jun-24	24-Jul-26	[Gantt bar: 20-Jun-24 to 24-Jul-26]																																															
<b>BOP8-01.01 - Electrical</b>					519	12-Jul-24	24-Jul-26	[Gantt bar: 12-Jul-24 to 24-Jul-26]																																															
<b>BOP8-01.01 - Instrumentation &amp; Controls</b>					534	20-Jun-24	24-Jul-26	[Gantt bar: 20-Jun-24 to 24-Jul-26]																																															
<b>BOP8-01.01 - PLC, SCADA &amp; Network Hardware / Software</b>					5	22-Dec-25	29-Dec-25	[Gantt bar: 22-Dec-25 to 29-Dec-25]																																															
<b>BOP9-01.01 - Site Work</b>					157	01-Jul-25	11-Feb-26	[Gantt bar: 01-Jul-25 to 11-Feb-26]																																															
<b>BOP9-01.01 - Site Work</b>					157	01-Jul-25	11-Feb-26	[Gantt bar: 01-Jul-25 to 11-Feb-26]																																															
<b>BOP11-01.01 - HVAC</b>					160	25-Apr-25	10-Dec-25	[Gantt bar: 25-Apr-25 to 10-Dec-25]																																															
<b>BOP11-01.01 - HVAC</b>					160	25-Apr-25	10-Dec-25	[Gantt bar: 25-Apr-25 to 10-Dec-25]																																															
<b>Commissioning and Start-Up</b>					315	11-Dec-25	08-Mar-27	[Gantt bar: 11-Dec-25 to 08-Mar-27]																																															
<b>Warranty and Construction Correction Period</b>					0	06-May-29	06-May-29	[Gantt bar: 06-May-29 to 06-May-29]																																															

■ Remaining Level of Effort   
 ■ Actual Work   
 ■ Critical Remaining Work  
■ Actual Level of Effort   
 ■ Remaining Work   
 ◆ Milestone

Date	Revision	Checked	Approved

# Section 3: Contract Documents

# Exhibit C.1 List of Plans



DRAWING LOG

Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
<b>01-GENERAL</b>					
01-G001	COVER SHEET - VOLUME 6A OF 7 (FACILITIES 01-06)	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G001.2	COVER SHEET - VOLUME 6B OF 7 (FACILITIES 08-31)	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G001.3	COVER SHEET - VOLUME 6C OF 7 (FACILITIES 38-60)	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G001.4	COVER SHEET - VOLUME 6D OF 7 (FACILITIES 70-99)	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G002	INDEX OF DRAWINGS 1	4	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
01-G003	INDEX OF DRAWINGS 2	3	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
01-G004	INDEX OF DRAWINGS 3	3	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
01-G005	INDEX OF DRAWINGS 4	4	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
01-G006	INDEX OF DRAWINGS 5	3	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
01-G007	INDEX OF DRAWINGS 6	3	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
01-G008	INDEX OF DRAWINGS 7	2	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
01-G009	INDEX OF DRAWINGS 8	2	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
01-G010	INDEX OF DRAWINGS 9	2	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
01-G011	INDEX OF DRAWINGS 10	3	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
01-G012	INDEX OF DRAWINGS 11	2	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
01-G012A	INDEX OF DRAWINGS 12	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
01-G012B	INDEX OF DRAWINGS 13	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
01-G013	GENERAL CONVENTIONS AND ABBREVIATIONS	4	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
01-G013A	BUILDING CLASSIFICATION	0	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
01-G014	HYDRAULIC PROFILE PHASE 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G015	HYDRAULIC PROFILE PHASE 4	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G016	LIQUID STREAM PROCESS FLOW DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G017	SOLIDS STREAM PROCESS FLOW DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G018	LIQUID STREAM MASS BALANCE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G019	SOLIDS STREAM MASS BALANCE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G020	CIVIL NOTES AND LEGEND 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G021	CIVIL NOTES AND LEGEND 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G022	CIVIL NOTES AND LEGEND 3	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G023	CIVIL NOTES AND LEGEND 4	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G024	CIVIL NOTES AND LEGEND 5	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G025	CIVIL NOTES AND LEGEND 6	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G026	P&ID LEGEND & SYMBOLS - I	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G027	P&ID LEGEND & SYMBOLS - II	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G028	GENERAL NOTES, ABBREVIATIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G029	ACCESSIBILITY STANDARD DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G030	STRUCTURAL NOTES, LEGENDS, AND ABBREVIATIONS	2	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
01-G031	PROCESS MECHANICAL NOTES, LEGENDS, AND ABBREVIATIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G032	PROCESS PIPING SCHEDULE 1 OF 2	2	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
01-G033	PROCESS PIPING SCHEDULE 2 OF 2	3	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
01-G034	SOLENOID OPERATED VALVES AND SELF CONTAINED VALVES SCHEDULES	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G035	POWER OPERATED VALVE SCHEDULE	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
01-G036	SLIDE GATE SCHEDULE	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
01-G037	ELECTRICAL LEGENDS AND SYMBOLS - I	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G038	ELECTRICAL LEGENDS AND SYMBOLS -II	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G039	SECURITY LEGEND & SYMBOLS - I	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G040	SECURITY LEGEND AND SYMBOLS - II	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G041	BUILDING MECHANICAL NOTES, LEGENDS, AND ABBREVIATIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G042	AIRSPACE PROTECTION PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
01-G043	STRUCTURAL NOTES, LEGENDS, AND ABBREVIATIONS	0	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
01-G044	STRUCTURAL NOTES, LEGENDS, AND ABBREVIATIONS	0	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
01-G045	STRUCTURAL NOTES, LEGENDS, AND ABBREVIATIONS	0	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
01-PV101	OVERALL TRAFFIC CONTROL PLAN	0	6/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
01-PV120	TRAFFIC CONTROL PLAN - ENLARGED 20	0	6/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
01-PV129	TRAFFIC CONTROL PLAN - ENLARGED 29	0	6/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
01-PV138	TRAFFIC CONTROL PLAN - ENLARGED 38	0	6/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
01-PV147	TRAFFIC CONTROL PLAN - ENLARGED 47	0	6/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
<b>02-SITE PLAN</b>					
02-C100	EMERGENCY ACCESS	0	6/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
02-C101	FIRE PROTECTION	0	6/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
02-C102	PROPOSED LANDSCAPING PLAN	0	6/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
02-C200	EXISTING SITE PLAN	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
02-C201	TEMPORARY FACILITIES	1	6/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
02-C202	OVERALL PROPOSED SITE PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
02-C203	PROPOSED SITE PLAN - ENLARGED 3	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
02-C204	PROPOSED SITE PLAN - ENLARGED 4	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
02-C205	PROPOSED SITE PLAN - ENLARGED 5	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
02-C206	PROPOSED SITE PLAN - ENLARGED 6	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -





DRAWING LOG

Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
04-GR501	GRADING AND DRAINAGE PLAN - OVERALL EXISTING	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-GR502	GRADING AND DRAINAGE PLAN - OVERALL PROPOSED	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
04-GR515	GRADING AND DRAINAGE PLAN - ENLARGED 15	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-GR516	GRADING AND DRAINAGE PLAN - ENLARGED 16	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-GR517	GRADING AND DRAINAGE PLAN - ENLARGED 17	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-GR518	GRADING AND DRAINAGE PLAN - ENLARGED 18	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-GR521	GRADING AND DRAINAGE PLAN - ENLARGED 21	2	12/15/2023	12/21/2023	CMAR Procurement Rev 07 20231221
04-GR521A	CAISSON ALTERNATE - GRADING AND DRAINAGE PLAN - ENLARGED 21	1	12/15/2023	12/21/2023	CMAR Procurement Rev 07 20231221
04-GR522	GRADING AND DRAINAGE PLAN - ENLARGED 22	1	6/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
04-GR522A	CAISSON ALTERNATE - GRADING AND DRAINAGE PLAN - ENLARGED 22	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
04-GR523	GRADING AND DRAINAGE PLAN - ENLARGED 23	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-GR524	GRADING AND DRAINAGE PLAN - ENLARGED 24	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-GR525	GRADING AND DRAINAGE PLAN - ENLARGED 25	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-GR526	GRADING AND DRAINAGE PLAN - ENLARGED 26	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-GR527	GRADING AND DRAINAGE PLAN - ENLARGED 27	1	6/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
04-GR528	GRADING AND DRAINAGE PLAN - ENLARGED 28	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
04-GR529	GRADING AND DRAINAGE PLAN - ENLARGED 29	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-GR532	GRADING AND DRAINAGE PLAN - ENLARGED 32	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-GR533	GRADING AND DRAINAGE PLAN - ENLARGED 33	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-GR534	GRADING AND DRAINAGE PLAN - ENLARGED 34	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-GR535	GRADING AND DRAINAGE PLAN - ENLARGED 35	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-GR536	GRADING AND DRAINAGE PLAN - ENLARGED 36	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
04-GR537	GRADING AND DRAINAGE PLAN - ENLARGED 37	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
04-GR543	GRADING AND DRAINAGE PLAN - ENLARGED 43	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-GR544	GRADING AND DRAINAGE PLAN - ENLARGED 44	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-GR545	GRADING AND DRAINAGE PLAN - ENLARGED 45	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
04-GR546	GRADING AND DRAINAGE PLAN - ENLARGED 46	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
04-GR547	GRADING AND DRAINAGE PLAN - ENLARGED 47	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
04-GR552	GRADING AND DRAINAGE PLAN - ENLARGED 52	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-GR553	DRAINAGE PROFILES 1	1	6/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
04-GR554	DRAINAGE PROFILES 2	1	6/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
04-GR555	DRAINAGE PROFILES 3	1	6/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
04-GR556	DRAINAGE PROFILES 4	1	6/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
04-GR557	DRAINAGE PROFILES 5	1	6/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
04-GR558	DRAINAGE PROFILES 6	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-GR559	DRAINAGE PROFILES 7	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-GR560	DRAINAGE PROFILES 8	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-GR561	DRAINAGE PROFILES 9	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-GR562	DRAINAGE PROFILES 10	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-PV402	PAVING PLAN - OVERALL PROPOSED	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-PV415	PAVING PLAN - ENLARGED 15	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-PV416	PAVING PLAN - ENLARGED 16	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
04-PV417	PAVING PLAN - ENLARGED 17	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
04-PV418	PAVING PLAN - ENLARGED 18	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-PV421	PAVING PLAN - ENLARGED 21	2	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
04-PV421A	CAISSON ALTERNATE - PAVING PLAN - ENLARGED 21	2	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
04-PV422	PAVING PLAN - ENLARGED 22	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-PV422A	CAISSON ALTERNATE - PAVING PLAN - ENLARGED 22	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
04-PV423	PAVING PLAN - ENLARGED 23	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
04-PV424	PAVING PLAN - ENLARGED 24	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
04-PV425	PAVING PLAN - ENLARGED 25	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
04-PV426	PAVING PLAN - ENLARGED 26	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
04-PV427	PAVING PLAN - ENLARGED 27	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-PV428	PAVING PLAN - ENLARGED 28	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-PV429	PAVING PLAN - ENLARGED 29	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-PV435	PAVING PLAN - ENLARGED 35	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-PV436	PAVING PLAN - ENLARGED 36	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-PZ469	PAVING PROFILES 69	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-PZ470	PAVING PROFILES 70	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-PZ471	PAVING PROFILES 71	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-PZ472	PAVING PROFILES 72	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-PZ473	PAVING PROFILES 73	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-PZ474	PAVING PROFILES 74	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-PZ475	PAVING PROFILES 75	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-PZ476	PAVING PROFILES 76	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-PZ477	PAVING PROFILES 77	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
04-TS477	TYPICAL ROAD SECTIONS 77	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>05-YARD PIPING</b>					



DRAWING LOG

Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
05-UT569	PROCESS YARD PIPING PROFILES 569	1	12/15/2023	12/21/2023	CMAR Procurement Rev 07 20231221
05-UT569A	CAISSON ALTERNATE - PROCESS YARD PIPING PROFILES 569	1	12/15/2023	12/21/2023	CMAR Procurement Rev 07 20231221
05-UT570	PROCESS YARD PIPING PROFILES 570	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
05-UT571	PROCESS YARD PIPING PROFILES 571	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
05-UT572	PROCESS YARD PIPING PROFILES 572	1	12/15/2023	12/21/2023	CMAR Procurement Rev 05 20231221
05-UT573	PROCESS YARD PIPING PROFILES 573	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
05-UT574	PROCESS YARD PIPING PROFILES 574	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
05-UT575	PROCESS YARD PIPING PROFILES 575	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
05-UT576	PROCESS YARD PIPING PROFILES 576	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
05-UT577	PROCESS YARD PIPING PROFILES 577	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
05-UT581	PROCESS DRAIN YARD PIPING PROFILES 581	2	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
05-UT581A	CAISSON ALTERNATE - PROCESS YARD PIPING PROFILES 581	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
05-UT582	PROCESS DRAIN YARD PIPING PROFILES 582	1	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
05-UT583	PROCESS DRAIN YARD PIPING PROFILES 583	2	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
05-UT584	PROCESS DRAIN YARD PIPING PROFILES 584	1	8/11/2023	8/15/2023	CMAR Procurement Rev 02 20230815
05-UT585	PROCESS DRAIN YARD PIPING PROFILES 585	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
05-UT586	PROCESS DRAIN YARD PIPING PROFILES 586	1	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
05-UT587	PROCESS DRAIN YARD PIPING PROFILES 587	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
05-UT588	PROCESS DRAIN YARD PIPING PROFILES 588	4	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
05-UT589	PROCESS DRAIN YARD PIPING PROFILES 589	1	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
05-UT590	PROCESS DRAIN YARD PIPING PROFILES 590	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
05-UT591	PROCESS DRAIN YARD PIPING PROFILES 591	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
05-UT592	PROCESS DRAIN YARD PIPING PROFILES 592	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
05-UT593	WATER LINE PROFILES 593	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
05-UT594	WATER LINE PROFILES 594	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
05-UT595	WATER LINE PROFILES 595	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
05-UT596	WATER LINE PROFILES 596	4	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
05-UT597	WATER LINE PROFILES 597	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
05-UT597A	CAISSON ALTERNATE - PROCESS YARD PIPING PROFILES 597	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
05-UT598	WATER LINE PROFILES 598	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
05-UT599	WATER LINE PROFILES 599	1	7/14/2023	8/15/2023	CMAR Procurement Rev 02 20230815
05-UT600	WATER LINE PROFILES 600	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
05-UT601	WATER LINE PROFILES 601	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
05-UT602	WATER LINE PROFILES 602	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
05-UT603	WATER LINE PROFILES 603	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
05-UT604	WATER LINE PROFILES 604	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
05-UT605	WATER LINE PROFILES 605	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
05-UT606	WATER LINE PROFILES 606	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
05-UT607	WATER LINE PROFILES 607	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
05-UT608	WATER LINE PROFILES 608	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
05-UT609	WATER LINE PROFILES 609	1	7/14/2023	8/15/2023	CMAR Procurement Rev 02 20230815
05-UT610	WATER LINE PROFILES 610	1	7/14/2023	8/15/2023	CMAR Procurement Rev 02 20230815
05-YP502	PROPOSED PROCESS YARD PIPING PLAN - OVERALL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
05-YP515	PROPOSED YARD PIPING PLAN - ENLARGED 15	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
05-YP516	PROPOSED YARD PIPING PLAN - ENLARGED 16	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
05-YP521	PROPOSED YARD PIPING PLAN - ENLARGED 21	2	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
05-YP521A	CAISSON ALTERNATE - PROPOSED YARD PIPING PLAN - ENLARGED 21	2	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
05-YP522	PROPOSED YARD PIPING PLAN - ENLARGED 22	4	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
05-YP522A	CAISSON ALTERNATE - PROPOSED YARD PIPING PLAN - ENLARGED 22	2	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
05-YP523	PROPOSED YARD PIPING PLAN - ENLARGED 23	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
05-YP524	PROPOSED YARD PIPING PLAN - ENLARGED 24	1	8/11/2023	8/15/2023	CMAR Procurement Rev 02 20230815
05-YP525	PROPOSED YARD PIPING PLAN - ENLARGED 25	4	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
05-YP526	PROPOSED YARD PIPING PLAN - ENLARGED 26	5	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
05-YP527	PROPOSED YARD PIPING PLAN - ENLARGED 27	4	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
05-YP528	PROPOSED YARD PIPING PLAN - ENLARGED 28	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
05-YP529	PROPOSED YARD PIPING PLAN - ENLARGED 29	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
05-YP535	PROPOSED YARD PIPING PLAN - ENLARGED 35	3	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
05-YP536	PROPOSED YARD PIPING PLAN - ENLARGED 36	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
05-YP543	PROPOSED YARD PIPING PLAN - ENLARGED 43	1	12/15/2023	12/21/2023	CMAR Procurement Rev 05 20231221
05-YP544	PROPOSED YARD PIPING PLAN - ENLARGED 44	1	12/15/2023	12/21/2023	CMAR Procurement Rev 05 20231221
05-YP552	PROPOSED YARD PIPING PLAN - ENLARGED 52	1	12/15/2023	12/21/2023	CMAR Procurement Rev 05 20231221
<b>06-SITE ELECTRICAL</b>					
06-E101	ELECTRICAL SITE PLAN OVERALL	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
06-E101A	CAISSON ALTERNATE- ELECTRICAL SITE PLAN OVERALL	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
06-E116	ELECTRICAL SITE PLAN - ENLARGED 16	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
06-E117	ELECTRICAL SITE PLAN - ENLARGED 17	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
06-E118	ELECTRICAL SITE PLAN - ENLARGED 18	1	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
06-E121	ELECTRICAL SITE PLAN - ENLARGED 21	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815



DRAWING LOG

Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
06-E121A	CAISSON ALTERNATE - ELECTRICAL SITE PLAN-ENLARGED21	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
06-E122	ELECTRICAL SITE PLAN - ENLARGED 22	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
06-E122A	CAISSON ALTERNATE - ELECTRICAL SITE PLAN-ENLARGED 22	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
06-E123	ELECTRICAL SITE PLAN - ENLARGED 23	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
06-E124	ELECTRICAL SITE PLAN - ENLARGED 24	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
06-E125	ELECTRICAL SITE PLAN - ENLARGED 25	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
06-E126	ELECTRICAL SITE PLAN - ENLARGED 26	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
06-E127	ELECTRICAL SITE PLAN - ENLARGED 27	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
06-E128	ELECTRICAL SITE PLAN - ENLARGED 28	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
06-E129	ELECTRICAL SITE PLAN - ENLARGED 29	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
06-E135	ELECTRICAL SITE PLAN - ENLARGED 35	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
06-E136	ELECTRICAL SITE PLAN - ENLARGED 36	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
06-E301	SITE ELECTRICAL - DUCTBANK SECTIONS - I	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
06-E302	SITE ELECTRICAL - DUCTBANK SECTIONS - II	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
06-E303	SITE ELECTRICAL - DUCTBANK SECTIONS - III	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
06-E304	SITE ELECTRICAL - DUCTBANK SECTIONS - IV	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
06-E305	SITE ELECTRICAL - DUCTBANK SECTIONS - V	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
06-E401	ELECTRICAL SITE PLAN - ENLARGED	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
06-E402	ELECTRICAL SITE PLAN - ENLARGED	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
06-E403	ELECTRICAL SITE PLAN - ENLARGED	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
06-E404	ELECTRICAL SITE PLAN - ENLARGED	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
06-E405	ELECTRICAL SITE PLAN - ENLARGED	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
06-E601	MAIN PLANT DISTRIBUTION RISER DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
06-E602	FIBER OPTIC RISER DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
06-E606	SITE LIGHTING RISER DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>08-INSTRUMENT AND CONTROLS DIAGRAM</b>					
08-I1001	INFLUENT LIFT STATION P&ID - 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I1002	INFLUENT LIFT STATION P&ID - 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I1201	SCREENING FACILITY P&ID - 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I1202	SCREENING FACILITY P&ID - 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I1203	GRIT REMOVAL P&ID - 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I1204	GRIT REMOVAL P&ID - 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I1205	GRIT REMOVAL P&ID - 3	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I1301	INFLUENT FOUL AIR FACILITY #1 P&ID	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I1301A	INFLUENT FOUL AIR FACILITY #1 P&ID BID ALTERNATE NO.1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I3101	AERATION BASIN NO.1 & 2 P&ID BASE BID - A2O CONFIGURATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I3101A	AERATION BASIN NO.1 & 2 P&ID ALTERNATE - AO CONFIGURATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I3102	AERATION BASIN NO.1 P&ID BASE BID - A2O CONFIGURATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I3102A	AERATION BASIN NO.1 P&ID ALTERNATE - AO CONFIGURATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I3103	AERATION BASIN NO.2 P&ID BASE BID - A2O CONFIGURATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I3103A	AERATION BASIN NO.2 P&ID ALTERNATE - AO CONFIGURATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I3800	AERATION AIR HEADER OVERVIEW P&ID	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I3801	AERATION BLOWER NO.1 P&ID	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I3802	AERATION BLOWER NO.2 P&ID	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I3803	AERATION BLOWER NO.3 P&ID	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I3804	AERATION BLOWER NO.4 P&ID	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I3805	AERATION BLOWER NO.5 P&ID	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I4501	SECONDARY CLARIFIER NO.1 P&ID	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
08-I4502	SECONDARY CLARIFIER NO.2 P&ID	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I4601	RAS/WAS PUMP STATION P&ID	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I5001	TERTIARY FILTERS P&ID 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I5002	TERTIARY FILTERS P&ID 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I5003	TERTIARY FILTERS P&ID 3	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I5301	UV DISINFECTION P&ID	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I5501	EFFLUENT FACILITY P&ID	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I5601	NON-POTABLE WATER SYSTEM P&ID	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I6001	CHEMICAL STORAGE AND FEED P&ID 1	2	8/22/2023	8/23/2023	CMAR Procurement Rev 03 20230823
08-I6002	CHEMICAL STORAGE AND FEED P&ID 2	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
08-I7001	AERATED SLUDGE HOLDING TANKS P&ID	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
08-I7002	SLUDGE RECIRCULATION PUMP STATION P&ID	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I7003	AERATED SLUDGE HOLDING TANK BLOWERS P&ID	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I7201	POLYMER BULK STORAGE AND TRANSFER PUMP P&ID	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I7202	POLYMER DAY TANKS P&ID	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
08-I7203	POLY BLENDING UNITS P&ID	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
08-I7204	CENTRIFUGE FEED PUMPS P&ID	3	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
08-I7205	CENTRIFUGE NO. 1 P&ID	2	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
08-I7206	CENTRIFUGE NO. 2 P&ID	2	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
08-I7207	CENTRIFUGE NO.3 P&ID (FUTURE)	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815



# DRAWING LOG

City of Pflugerville  
Wilbarger Creek Regional Wastewater  
Treatment Facility 1

Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
08-18801	MAIN ELECTRICAL BUILDING P&ID	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>09-CIVIL YARD STRUCTURES</b>					
09-S101	FLOW METER VAULT PLANS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
09-S111	HYDRAULIC DROP BOX PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
09-S121	OUTFALL DISCHARGE HEADWALL LOWER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
09-S131	STORM WATER DETENTION BOX PLANS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
09-S301	FLOW METER VAULT SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
09-S311	HYDRAULIC DROP BOX SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
09-S321	OUTFALL DISCHARGE SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
09-S331	STORM WATER DETENTION BOX SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
09-S901	FLOW METER VAULT ISOMETRIC	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
09-S911	HYDRAULIC DROP BOX ISOMETRIC	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
09-S921	OUTFALL DISCHARGE ISOMETRIC	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
09-S931	STORM WATER DETENTION BOX ISOMETRIC VIEW	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>10-INFLUENT LIFT STATION #1</b>					
10-AP001	INFLUENT LIFT STATION AREA PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-AP001A	CAISSON ALTERNATE - INFLUENT LIFT STATION AREA PLAN	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-AP002	INFLUENT LIFT STATION ISOMETRICS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-AP002A	CAISSON ALTERNATE - INFLUENT LIFT STATION ISOMETRICS	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-E100	INFLUENT LIFT STATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-E100A	CAISSON ALTERNATE - INFLUENT LIFT STATION SECTION	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-E101	INFLUENT LIFT STATION POWER AND CONTROL PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-E101A	CAISSON ALTERNATE INFLUENT LIFT STATION POWER AND CONTROL PLAN	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-E102	INFLUENT LIFT STATION GROUNDING AND LIGHTING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-E102A	CAISSON ALTERNATE INFLUENT LIFT STATION GROUNDING AND LIGHTING PLAN	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-E103	INFLUENT LIFT STATION SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-E103A	CAISSON ALTERNATE - INFLUENT LIFT STATION SECTION	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-E301	INFLUENT LIFT STATION DUCTBANK SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-E301A	CAISSON ALTERNATE INFLUENT LIFT STATION DUCTBANK SECTIONS	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-E501	INFLUENT LIFT STATION RISER DIAGRAM - I	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-E501A	CAISSON ALTERNATE INFLUENT LIFT STATION RISER DIAGRAM - I	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-E502	INFLUENT LIFT STATION RISER DIAGRAM - II	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-E502A	CAISSON ALTERNATE INFLUENT LIFT STATION RISER DIAGRAM - II	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-E503	INFLUENT LIFT STATION DETAILS - I	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-E503A	CAISSON ALTERNATE - INFLUENT LIFT STATION DETAILS - I	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-E504	INFLUENT LIFT STATION DETAILS - II	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-E504A	CAISSON ALTERNATE - INFLUENT LIFT STATION DETAILS - II	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-P101	INFLUENT LIFT STATION FOUNDATION PLAN	1	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
10-P101A	CAISSON ALTERNATE - INFLUENT LIFT STATION FOUNDATION PLAN	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
10-P102	INFLUENT LIFT STATION TOP OF WALL PLAN	1	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
10-P102A	CAISSON ALTERNATE - INFLUENT LIFT STATION TOP OF WALL PLAN	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-P301	INFLUENT LIFT STATION SECTIONS 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-P301A	CAISSON ALTERNATE - INFLUENT LIFT STATION SECTIONS 1	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-P302	INFLUENT LIFT STATION SECTIONS 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-P302A	CAISSON ALTERNATE - INFLUENT LIFT STATION SECTIONS 2	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-P303	INFLUENT LIFT STATION SECTIONS 3	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-P303A	CAISSON ALTERNATE - INFLUENT LIFT STATION SECTIONS 3	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-P304	INFLUENT LIFT STATION SECTIONS 4	1	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
10-P304A	CAISSON ALTERNATE - INFLUENT LIFT STATION SECTIONS 4	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-S101	INFLUENT LIFT STATION DRILLED PIER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-S101A	INFLUENT LIFT STATION DRILLED PIER PLAN CAISSON ALTERNATE	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-S102	INFLUENT LIFT STATION LOWER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-S102A	INFLUENT LIFT STATION LOWER PLAN CAISSON ALTERNATE	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-S103	INFLUENT LIFT STATION INTERMEDIATE PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-S103A	INFLUENT LIFT STATION INTERMEDIATE PLAN CAISSON ALTERNATE	1	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
10-S104	INFLUENT LIFT STATION UPPER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-S104A	INFLUENT LIFT STATION UPPER PLAN CAISSON ALTERNATE	2	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
10-S105	ENLARGED INFLUENT LIFT STATION UPPER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-S105A	ENLARGED INFLUENT LIFT STATION UPPER PLAN CAISSON ALTERNATE	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
10-S106A	CAISSON ALTERNATE GENERAL NOTES 1 OF 2	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-S107A	CAISSON ALTERNATE GENERAL NOTES 2 OF 2	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-S108A	CAISSON ALTERNATE SITE PLAN	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-S109A	CAISSON ALTERNATE PROFILE	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-S110A	CAISSON ALTERNATE BASE SLAB PLAN	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-S301	INFLUENT LIFT STATION SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-S301A	INFLUENT LIFT STATION SECTIONS CAISSON ALTERNATE	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-S302	INFLUENT LIFT STATION SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-S302A	INFLUENT LIFT STATION SECTIONS CAISSON ALTERNATE	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920



DRAWING LOG

Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
10-S303	INFLUENT LIFT STATION SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-S303A	INFLUENT LIFT STATION SECTIONS CAISSON ALTERNATE	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-S304	INFLUENT LIFT STATION SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-S304A	INFLUENT LIFT STATION SECTIONS CAISSON ALTERNATE	2	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
10-S305	INFLUENT LIFT STATION SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-S305A	INFLUENT LIFT STATION SECTIONS CAISSON ALTERNATE	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-S306	INFLUENT LIFT STATION SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-S306A	INFLUENT LIFT STATION SECTIONS CAISSON ALTERNATE	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-S307	INFLUENT LIFT STATION SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-S307A	INFLUENT LIFT STATION SECTIONS CAISSON ALTERNATE	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-S308A	INFLUENT LIFT STATION SECTIONS CAISSON ALTERNATE	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-S309A	CAISSON ALTERNATE CAISSON SECTION 1	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-S501	INFLUENT LIFT STATION ENLARGED DETAILS 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-S501A	ENLARGED FLOOR PLAN VIEWS CAISSON ALTERNATE	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-S502	INFLUENT LIFT STATION ENLARGED DETAILS 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-S502A	INFLUENT LIFT STATION ENLARGED DETAILS 1 CAISSON ALTERNATE	1	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
10-S503	INFLUENT LIFT STATION ENLARGED DETAILS 3	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-S503A	INFLUENT LIFT STATION ENLARGED DETAILS 2 CAISSON ALTERNATE	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
10-S504	INFLUENT LIFT STATION ENLARGED DETAILS 4	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
10-S504A	INFLUENT LIFT STATION ENLARGED DETAILS 3 CAISSON ALTERNATE	1	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
10-S505A	INFLUENT LIFT STATION ENLARGED DETAILS 4 CAISSON ALTERNATE	1	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
10-S506A	CAISSON ALTERNATE REINFORCING DETAILS 1 OF 3	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-S507A	CAISSON ALTERNATE REINFORCING DETAILS 2 OF 3	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-S508A	CAISSON ALTERNATE MONITORING DETAILS	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-S509A	CAISSON ALTERNATE MONITORING DETAILS	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
10-S510A	INFLUENT LIFT STATION GRADE BEAM SCHEDULE CAISSON ALTERNATE	0	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
10-S601	INFLUENT LIFT STATION GRADE BEAM SCHEDULE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>12-HEADWORKS #1</b>					
12-AP001	HEADWORKS AREA PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-AP001A	HEADWORKS AREA PLAN CAISSON ALTERNATIVE	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
12-AP002	HEADWORKS ISOMETRICS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-AP002A	HEADWORKS ISOMETRICS CAISSON ALTERNATIVE	1	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
12-E100	HEADWORKS AREA SITE PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-E100A	CAISSON ALTERNATE - HEADWORKS AREA SITE PLAN	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
12-E101	HEADWORKS LOWER LEVEL GROUNDING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-E102	HEADWORKS LOWER LEVEL LIGHTING AND RECEPTACLE PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-E103	HEADWORKS UPPER LEVEL LIGHTING AND RECEPTACLE PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-E104	HEADWORKS UPPER LEVEL POWER PLAN	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
12-E105	HEADWORKS LOWER LEVEL POWER PLAN	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
12-E106	HEADWORKS STAIRWELL SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-E107	HEADWORKS UPPER LEVEL ELECTRICAL DETAILS - II	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-E301	HEADWORKS DUCTBANK SECTION - I	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-E302	HEADWORKS DUCTBANK SECTION - II	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
12-E501	HEADWORKS RISER DIAGRAM - I	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-E502	HEADWORKS RISER DIAGRAM - II	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
12-E503	HEADWORKS FINE SCREEN RISER DIAGRAM & DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-E504	HEADWORKS GRIT WASHER RISER DIAGRAM & DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-E505	HEADWORKS GRIT PUMP RISER DIAGRAM AND DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-E506	HEADWORKS LIGHTING CONTACTOR SCHEMATICS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-P101	HEADWORKS UNDER SLAB PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-P102	HEADWORKS LOWER PLAN	1	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
12-P103	HEADWORKS INTERMEDIATE PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-P104	HEADWORKS UPPER PLAN	3	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
12-P105	ENLARGED LOWER PLAN 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-P106	ENLARGED LOWER PLAN 2	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
12-P107	HEADWORKS ENLARGED UPPER PLAN	1	12/7/2023	12/21/2023	CMAR Procurement Rev 05 20231221
12-P301	HEADWORKS SECTION 1	1	12/7/2023	12/21/2023	CMAR Procurement Rev 05 20231221
12-P302	HEADWORKS SECTION 2	3	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
12-P303	HEADWORKS SECTION 3	3	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
12-P304	HEADWORKS SECTION 4	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-P305	HEADWORKS SECTION 5	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-P306	HEADWORK SECTIONS 6	1	12/7/2023	12/21/2023	CMAR Procurement Rev 05 20231221
12-P307	HEADWORKS SECTION 7	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-P308	HEADWORKS SECTION 8	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-P309	HEADWORKS SECTION 9	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-P310	HEADWORKS SECTION 10	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S101	HEADWORKS DRILLED PIER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S102	HEADWORKS OVERALL LOWER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -



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Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
12-S103	HEADWORKS NORTH LOWER PLAN	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
12-S104	HEADWORKS SOUTH LOWER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S105	HEADWORKS PARTIAL PLANS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S106	HEADWORKS ENLARGED PLANS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S107	HEADWORKS ENLARGED PLANS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S108	HEADWORKS OVERALL INTERMEDIATE PLAN AT ELEV. 573.00	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S109	HEADWORKS NORTH INTERMEDIATE PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S110	HEADWORKS SOUTH INTERMEDIATE PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S111	HEADWORKS UPPER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S112	HEADWORKS ENLARGED PLANS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S113	HEADWORKS ENLARGED PLANS	2	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
12-S114	HEADWORKS ROOF FRAMING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S115	HEADWORKS ROOF PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S301	HEADWORKS SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S302	HEADWORKS SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S303	HEADWORKS SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S304	HEADWORKS SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S305	HEADWORKS SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S306	HEADWORKS SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S307	HEADWORKS SECTION	1	7/21/2023	8/15/2023	CMAR Procurement Rev 02 20230815
12-S308	HEADWORKS SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S309	HEADWORKS SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S310	HEADWORKS SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S311	HEADWORKS DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S312	HEADWORKS DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S313	HEADWORKS DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S314	HEADWORKS DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S315	HEADWORKS DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S316	HEADWORKS DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S317	HEADWORKS DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S318	HEADWORKS DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S319	HEADWORKS DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S320	HEADWORKS DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S501	HEADWORKS DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S502	HEADWORKS DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S503	HEADWORKS DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
12-S504	GARBAGE CHUTE DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>13-INFLUENT FOUL AIR FACILITY #1</b>					
13-A001A	INFLUENT FOUL AIR AREA PLAN PROPOSAL ALTERNATE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
13-A002A	INFLUENT FOUL AIR ISOMETRICS PROPOSAL ALTERNATE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
13-AP001	INFLUENT FOUL AIR AREA PLAN	1	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
13-AP001A	CAISSON ALTERNATE - HEADWORKS AREA SITE PLAN	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
13-AP002	INFLUENT FOUL AIR ISOMETRICS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
13-AP002A	CAISSON ALTERNATE- INFLUENT FOUL AIR ISOMETRICS	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
13-AP003	PIPE SUPPORT AREA PLAN	0	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
13-E101	INFLUENT FOUL AIR FACILITY UPPER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
13-E501	INFLUENT FOUL AIR FACILITY-RISER DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
13-E601	INFLUENT FOUL AIR FACILITY DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
13-P101	INFLUENT FOUL AIR FACILITY UPPER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
13-P101A	INFLUENT FOUL AIR FACILITY UPPER PLAN PROPOSAL ALTERNATE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
13-P301	INFLUENT FOUL AIR FACILITY SECTIONS 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
13-P302	INFLUENT FOUL AIR FACILITY SECTIONS 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
13-P303	INFLUENT FOUL AIR FACILITY SECTION AT FANS	1	12/7/2023	12/21/2023	CMAR Procurement Rev 05 20231221
13-P303A	INFLUENT FOUL AIR FACILITY SECTION AT FANS PROPOSAL ALTERNATE	1	12/7/2023	12/21/2023	CMAR Procurement Rev 05 20231221
13-P601	AIR FLOW BALANCING SCHEMATIC	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
13-P601A	AIR FLOW BALANCING SCHEMATIC PROPOSAL ALTERNATE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
13-S101	INFLUENT FOUL AIR FACILITY DRILLED PIER PLAN 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
13-S101A	INFLUENT FOUL AIR FACILITY DRILLED PIER PLAN 1A	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
13-S102	INFLUENT FOUL AIR FACILITY LOWER PLAN 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
13-S102A	INFLUENT FOUL AIR FACILITY DRILLED PIER PLAN 1A	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
13-S103	INFLUENT FOUL AIR FACILITY UPPER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
13-S301	INFLUENT FOUL AIR FACILITY SECTIONS 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
13-S301A	INFLUENT FOUL AIR FACILITY SECTIONS 1A	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
13-S302	INFLUENT FOUL AIR FACILITY SECTIONS 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>14-ILS/HW ELECTRICAL BUILDING #1</b>					
14-AP001	INFLUENT LIFT STATION AREA PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
14-AP001A	INFLUENT LIFT STATION AREA PLAN CAISSON ALTERNATIVE	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
14-AP002	INFLUENT LIFT STATION ISOMETRIC VIEWS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -



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Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
14-AP002A	ILS ELECTRICAL BUILDING ISOMETRICS CAISSON ALTERNATIVE	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
14-E101	ILS ELECTRICAL BUILDING FLOOR PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
14-E101A	ILS ELECTRICAL BUILDING FLOOR PLAN CAISSON ALTERNATE-	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
14-E102	ILS ELECTRICAL BUILDING LIGHTING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
14-E102A	CAISSON ALTERNATE - ILS ELECTRICAL BUILDING LIGHTING PLAN	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
14-E103	ILS ELECTRICAL BUILDING GROUNDING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
14-E103A	CAISSON ALTERNATE - ILS ELECTRICAL BUILDING GROUNDING PLAN	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
14-E104	ILS ELECTRICAL BUILDING POWER PLAN	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
14-E104A	CAISSON ALTERNATE - ILS ELECTRICAL BUILDING POWER PLAN	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
14-E105	ILS ELECTRICAL BUILDING CONTROL PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
14-E105A	CAISSON ALTERNATE - ILS ELECTRICAL BUILDING CONTROL PLAN	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
14-E106	ILS ELECTRICAL BUILDING CABLETRAY PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
14-E106A	CAISSON ALTERNATE - ILS ELECTRICAL BUILDING CABLETRAY PLAN	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04 20230920
14-E501	SWBD-2 ONE-LINE DIAGRAM	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
14-E502	MCC-2 ONE-LINE DIAGRAM - I	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
14-E503	MCC-2 ONE-LINE DIAGRAM - II	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
14-E504	MCC-2 ONE-LINE DIAGRAM - III	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
14-E506	SWITCHBOARD SWB2 & MCC-2 ELEVATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
14-E506A	PLC-ILS INTERFACE DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
14-E507	ILS - ELECTRICAL DETAILS	2	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
14-M101	INFLUENT LIFT STATION ELECTRICAL BUILDING HVAC PLAN	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
14-M301	INFLUENT LIFT STATION ELECTRICAL BUILDING HVAC SECTION	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
14-M601	INFLUENT LIFT STATION ELECTRICAL BUILDING HVAC SCHEDULES AND AIRFLOW SCHEMATIC	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
14-S001	INFLUENT LIFT STATION ELECTRICAL BUILDING LIFE SAFETY PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
14-S101	INFLUENT LIFT STATION ELECTRICAL BUILDING DRILLED PIER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
14-S102	INFLUENT LIFT STATION ELECTRICAL BUILDING LOWER PLAN	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
14-S103	INFLUENT LIFT STATION ELECTRICAL BUILDING ROOF FRAMING PLAN	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
14-S104	INFLUENT LIFT STATION ELECTRICAL BUILDING ROOF PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
14-S201	INFLUENT LIFT STATION ELECTRICAL BUILDING ELEVATIONS	2	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
14-S301	INFLUENT LIFT STATION ELECTRICAL BUILDING SECTIONS	3	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
14-S302	INFLUENT LIFT STATION ELECTRICAL BUILDING ENLARGED SECTION	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
14-S303	INFLUENT LIFT STATION ELECTRICAL BUILDING ENLARGED SECTION	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
14-S601	INFLUENT LIFT STATION ELECTRICAL BUILDING SCHEDULES	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>31-AERATION BASING # 1 &amp; 2</b>					
31-AP001	AERATION BASIN AREA PLANBASE BID - A20 CONFIGURATION	1	12/21/2023	12/21/2023	CMAR Procurement Rev 06 20231221
31-AP001A	AERATION BASIN AREA PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-AP002	AERATION BASIN ISOMETRIC BASE BID -A20 CONFIGURATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-AP002B	AERATION BASIN ISOMETRIC	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-E100	AERATION BASIN AREA PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-E101	AERATION BASIN ELECTRICAL AND LIGHTING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-E102	AERATION BASIN GROUNDING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-E103	AERATION BASIN AREA - A UPPER LEVEL ELECTRICAL PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-E104	AERATION BASIN AREA - B UPPER LEVEL ELECTRICAL PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-E105	AERATION BASIN AREA - C UPPER LEVEL ELECTRICAL PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-E106	AERATION BASIN AREA PIPING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-E301	ELECTRICAL DUCTBANK SECTIONS NO.1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-E302	ELECTRICAL DUCTBANK SECTIONS NO.2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-E303	ELECTRICAL DUCTBANK SECTIONS NO.1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-E304	ELECTRICAL DUCTBANK SECTIONS NO.2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-E501	AERATION BASIN 1&2 ANAEROBIC & ANOXIC BASIN RISER DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-E502	AERATION BASIN 1&2 ANAEROBIC ZONE 1&2 RISER DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-E503	AERATION BASIN NO.1 AEROBIC ZONE 3&4 RISER DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-E504	AERATION BASIN NO.2 AEROBIC ZONE 3&4 RISER DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-E505	AERATION BASIN MOUNTING DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-E601	AERATION BASIN PLC-BLR INTERFACE DIAGRAM - II	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-E602	AERATION BASIN PLC-BLR INTERFACE DIAGRAM - I	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-P101	AERATION BASIN OVERALL LOWER PLAN BASE BID - A20 CONFIGURATION	2	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
31-P101A	AERATION BASIN OVERALL LOWER PLAN ALTERNATE - AO CONFIGURATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-P102	AERATION OVERALL UPPER PLAN BASE BID -A20 CONFIGURATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-P102A	AERATION OVERALL UPPER PLAN ALTERNATE - AO CONFIGURATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-P103	AERATION BASIN AREA A LOWER PLAN BASE BID - A20 CONFIGURATION	4	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
31-P103A	AERATION BASIN AREA A LOWER PLAN ALTERNATE -AO CONFIGURATION	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
31-P104	AERATION BASIN AREA B LOWER PLAN BASE BID-A20 CONFIGURATION	2	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
31-P104A	AERATION BASIN AREA B LOWER PLAN ALTERNATE - AO CONFIGURATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-P105	AERATION BASIN AREA C LOWER PLAN BASE BID-A20 CONFIGURATION	2	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
31-P105A	AERATION BASIN AREA C LOWER PLAN ALTERNATE-AO CONFIGURATION	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
31-P106	AERATION BASIN AREA A UPPER PLAN BASE BID -A20 CONFIGURATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-P106A	AERATION BASIN AREA A UPPER PLAN ALTERNATE - AO CONFIGURATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -



# DRAWING LOG

City of Pflugerville  
Wilbarger Creek Regional Wastewater  
Treatment Facility 1

Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
31-P107	AERATION BASIN AREA B UPPER PLAN BASE BID -A2O CONFIGURATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-P107A	AERATION BASIN AREA B UPPER PLAN ALTERNATE - AO CONFIGURATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-P108	AERATION BASIN AREA C UPPER PLAN BASE BID -A2O CONFIGURATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-P108A	AERATION BASIN AREA C UPPER PLAN ALTERNATE - AO CONFIGURATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-P109	AERATION BASIN ENLARGED PLAN 1 BASE BID -A2O CONFIGURATION	3	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
31-P109A	AERATION BASIN ENLARGED PLAN 1 ALTERNATE - AO CONFIGURATION	2	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
31-P110	AERATION BASIN ENLARGED PLAN 2 BASE BID -A2O CONFIGURATION	3	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
31-P110A	AERATION BASIN ENLARGED PLAN 2 ALTERNATE - AO CONFIGURATION	2	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
31-P301	AERATION BASIN SECTIONS 1 BASE BID -A2O CONFIGURATION	1	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
31-P301A	AERATION BASIN SECTIONS 1 ALTERNATE - AO CONFIGURATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-P302	AERATION BASIN SECTIONS 2 BASE BID -A2O CONFIGURATION	2	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
31-P302A	AERATION BASIN SECTIONS 2 ALTERNATE - AO CONFIGURATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-P303	AERATION BASIN SECTIONS 3 BASE BID -A2O CONFIGURATION	2	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
31-P303A	AERATION BASIN SECTIONS 3 ALTERNATE-AO CONFIGURATION	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
31-P304	AERATION BASIN SECTIONS 4 BASE BID -A2O CONFIGURATION	1	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
31-P304A	AERATION BASIN SECTIONS 4 ALTERNATE - AO CONFIGURATION WILBARGER CREEK RWWTF PHASE 1 CONSTRUCTION	1	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
31-P305	AERATION BASIN SECTIONS 5 BASE BID -A2O CONFIGURATION	1	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
31-P305A	AERATION BASIN SECTIONS 5 ALTERNATE - AO CONFIGURATION WILBARGER CREEK RWWTF PHASE 1 CONSTRUCTION	1	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
31-P306	AERATION BASIN SECTIONS 6 BASE BID -A2O CONFIGURATION	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
31-P306A	AERATION BASIN SECTIONS 6 ALTERNATE - AO CONFIGURATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-P307	AERATION BASIN SECTIONS 7 BASE BID -A2O CONFIGURATION	3	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
31-P307A	AERATION BASIN SECTIONS 7 ALTERNATE - AO CONFIGURATION WILBARGER CREEK RWWTF PHASE 1 CONSTRUCTION	1	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
31-P308	AERATION BASIN SECTIONS 8 BASE BID -A2O CONFIGURATION	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
31-P308A	AERATION BASIN SECTIONS 8 ALTERNATE-AO CONFIGURATION	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
31-P309	AERATION BASIN SECTIONS 9 BASE BID -A2O CONFIGURATION	1	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
31-P309A	AERATION BASIN SECTIONS 9 ALTERNATE - AO CONFIGURATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-S101	AERATION BASIN DRILLED PIER PLAN 1	2	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
31-S102	AERATION BASIN DRILLED PIER PLAN 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-S103	AERATION BASIN LOWER PLAN 1	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
31-S104	AERATION BASIN LOWER PLAN 2	1	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
31-S105	AERATION BASIN UPPER PLAN 1	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
31-S106	AERATION BASIN UPPER PLAN 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-S107	AERATION BASIN ENLARGED PLANS	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
31-S108	AERATION BASIN ENLARGED PLANS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-S109	AERATION BASIN ENLARGED PLANS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-S301	AERATION BASIN SECTION	1	7/21/2023	8/15/2023	CMAR Procurement Rev 02 20230815
31-S302	AERATION BASIN SECTION	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
31-S303	AERATION BASIN SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-S304	AERATION BASIN SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-S305	AERATION BASIN SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-S306	AERATION BASIN SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-S307	AERATION BASIN SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-S308	AERATION BASIN SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-S309	AERATION BASIN SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-S310	AERATION BASIN SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-S311	AERATION BASIN SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-S312	AERATION BASIN SECTION	3	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
31-S313	AERATION BASIN SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-S314	AERATION BASIN SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
31-S315	AERATION BASIN SECTION	0	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
<b>38-AERATION BLOWER FACILITY</b>					
38-AP001	AERATION BASIN BLOWER FACILITY AREA PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
38-AP002	AERATION BLOWER FACILITY ISOMETRICS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
38-E101	BLOWER BUILDING ELECTRICAL AND GROUNDING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
38-E102	BLOWER BUILDING ELECTRICAL ROOM POWER PLAN	2	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
38-E103	BLOWER BUILDING BLOWER ROOM POWER PLAN	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
38-E104	BLOWER BUILDING LIGHTING AND RECEPTACLE PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
38-E105	BLOWER BUILDING CABLE TRAY PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
38-E502	MCC-3 ONE-LINE DIAGRAM - I	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
38-E503	MCC-3 ONE-LINE DIAGRAM - II	2	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
38-E504	SWITCHBOARD AND MCC ELEVATIONS	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
38-E505	BLOWER BUILDING RISER DIAGRAM	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
38-E601	AERATION BASIN PLC-BLR INTERFACE DIAGRAM - II	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
38-E602	AERATION BASIN PLC-BLR INTERFACE DIAGRAM - I	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
38-M101	AERATION BLOWER FACILITY ROOM HVAC PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
38-M102	AERATION BLOWER FACILITY ELECTRICAL ROOM HVAC PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
38-M301	AERATION BLOWER FACILITY SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
38-M601	AERATION BLOWER FACILITY HVAC SCHEDULES	2	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524



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Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
38-P101	AERATION BLOWER FACILITY FLOOR PLAN	3	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
38-P301	AERATION BLOWER FACILITY SECTION 3	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
38-P302	AERATION BLOWER FACILITY SECTION 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
38-P303	AERATION BLOWER FACILITY SECTION 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
38-P304	AERATION BLOWER FACILITY SECTION 3	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
38-S001	AERATION BLOWER FACILITY LIFE SAFETY PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
38-S101	AERATION BLOWER FACILITY DRILLED PIER PLAN	2	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
38-S102	AERATION BLOWER FACILITY LOWER PLAN	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
38-S103	AERATION BLOWER FACILITY ROOF FRAMING PLAN	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
38-S104	AERATION BLOWER FACILITY ROOF PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
38-S105	AERATION BLOWER FACILITY ENLARGED PLANS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
38-S106	AERATION BLOWER YARD PIPE PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
38-S201	AERATION BLOWER FACILITY ELEVATIONS 1	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
38-S202	AERATION BLOWER FACILITY ELEVATIONS 2	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
38-S301	AERATION BLOWER FACILITY SECTION 1	2	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
38-S302	AERATION BLOWER FACILITY SECTION 2	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
38-S303	AERATION BLOWER FACILITY SECTION 3	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
38-S501	AERATION BLOWER FACILITY ENLARGED DETAILS 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
38-S601	AERATION BLOWER FACILITY DOOR SCHEDULE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
38-S602	AERATION BLOWER FACILITY GRADE BEAM SCHEDULE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>40-MIXED LIQUOR SPLITTER BOX</b>					
40-AP001	MIXED LIQUOR SPLITTER BOX AREA PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
40-AP002	MIXED LIQUOR SPLITTER BOX ISOMETRIC VIEWS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
40-E101	MIXED LIQUOR SPLITTER BOX GROUNDING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
40-E102	MIXED LIQUOR SPLITTER BOX LIGHTING AND RECEPTACLE PLAN	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
40-P101	MIXED LIQUOR SPLITTER BOX LOWER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
40-P102	MIXED LIQUOR SPLITTER BOX UPPER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
40-P301	MIXED LIQUOR SPLITTER BOX SECTIONS 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
40-P302	MIXED LIQUOR SPLITTER BOX SECTIONS 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
40-P303	MIXED LIQUOR SPLITTER BOX SECTIONS 3	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
40-S101	MIXED LIQUOR SPLITTER BOX DRILLED PIER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
40-S102	MIXED LIQUOR SPLITTER BOX LOWER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
40-S103	MIXED LIQUOR SPLITTER BOX INTERMEDIATE PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
40-S104	MIXED LIQUOR SPLITTER BOX UPPER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
40-S301	MIXED LIQUOR SPLITTER BOX SECTIONS 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
40-S302	MIXED LIQUOR SPLITTER BOX SECTIONS 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
40-S303	MIXED LIQUOR SPLITTER BOX SECTIONS 3	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
40-S304	MIXED LIQUOR SPLITTER BOX SECTIONS 4	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
40-S305	MIXED LIQUOR SPLITTER BOX SECTIONS 5	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
40-S501	MIXED LIQUOR SPLITTER BOX DETAILS 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
40-S502	MIXED LIQUOR SPLITTER BOX DETAILS 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
40-S503	MIXED LIQUOR SPLITTER BOX DETAILS 3	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>45-SECONDARY CLARIFIERS #1 &amp; #2</b>					
45-AP001	SECONDARY CLARIFIERS NO. 1 AND 2 AREA PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
45-AP002	SECONDARY CLARIFIER ISOMETRIC VIEW	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
45-E101	CLARIFIER AREA PARTIAL SITE PLAN	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
45-E102	SECONDARY CLARIFIERS 1&2 PLAN AND DETAILS	2	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
45-E501	SECONDARY CLARIFIERS 1&2 PLAN AND DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
45-E601	SECONDARY CLARIFIER INTERFACE AND RISER DIAGRAM	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
45-P101	SECONDARY CLARIFIER NO. 1 PLANS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
45-P102	SECONDARY CLARIFIERS #2 TOP OF WALL PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
45-P301	SECONDARY CLARIFIERS SECTIONS 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
45-P302	SECONDARY CLARIFIERS SECTION 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
45-S101	OVERALL PIER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
45-S102	SECONDARY CLARIFIER 1 DRILLED PIER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
45-S103	SECONDARY CLARIFIER #2 DRILLED PIER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
45-S104	SECONDARY CLARIFIER #1 LOWER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
45-S105	SECONDARY CLARIFIER #2 LOWER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
45-S106	SECONDARY CLARIFIER #1 UPPER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
45-S107	SECONDARY CLARIFIERS #2 UPPER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
45-S301	SECONDARY CLARIFIERS #1 SECTIONS 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
45-S302	SECONDARY CLARIFIERS #1 SECTIONS 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
45-S303	SECONDARY CLARIFIERS #2 SECTIONS 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
45-S304	SECONDARY CLARIFIERS #2 SECTIONS 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
45-S501	SECONDARY CLARIFIERS DETAILS 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
45-S502	SECONDARY CLARIFIERS DETAILS 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>46-RAS/WAS PUMP STATION</b>					
46-AP001	RAS/WAS PUMP STATION AREA PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -



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Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
46-AP002	RAS/WAS PUMP STATION ISOMETRICS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
46-E101	RAS/WAS PUMP STATION PARTIAL SITE PLAN	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
46-E102	RAS/WAS PUMP STATION ELECTRICAL BUILDING POWER AND GROUNDING PLAN	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
46-E103	RAS/WAS PUMP STATION ELECTRICAL BUILDING CONTROL LIGHTING AND RECEPTACLE PLAN	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
46-E104	RAS/WAS PUMP STATION ELECTRICAL BUILDING CABLE TRAY PLAN	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
46-E105	RAS/WAS PUMP STATION PUMP POWER, ASSOCIATED CONTROL AND GROUNDING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
46-E106	RAS/WAS PUMP STATION INSTRUMENTATION AND CONTROL DEVICE LOCATION PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
46-E301	RAS/WAS PUMP STATION DUCTBANK SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
46-E501	RAS/WAS PUMP STATION MCC-4 ONE-LINE DIAGRAM - I	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
46-E502	RAS/WAS PUMP STATION MCC-4 ONE-LINE DIAGRAM - II	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
46-E503	RAS/WAS PUMP STATION RISER DIAGRAM	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
46-E601	RAS/WAS PUMP STATION INTERFACE DIAGRAM	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
46-E602	RAS/WAS PUMP STATION PANELBOARD SCHEDULES	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
46-M101	RAS/WAS ELECTRICAL BUILDING HVAC PLAN AND SECTIONS	1	6/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
46-M601	RAS/WAS ELECTRICAL BUILDING SCHEDULES AND AIRFLOW DIAGRAM	1	6/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
46-P101	RAS/WAS PUMP STATION UNDERSLAB PIPING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
46-P102	RAS/WAS PUMP STATION PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
46-P103	RAS/WAS PUMP STATION SUCTION PLAN	1	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
46-P104	RAS/WAS PUMP STATION DISCHARGE PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
46-P301	RAS/WAS PUMP STATION SECTIONS 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
46-P302	RAS/WAS PUMP STATION SECTIONS 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
46-S001	RAS/WAS PUMP STATION LIFE SAFETY PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
46-S101	RAS/WAS DRILLED PIER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
46-S102	RAS/WAS LOWER PLAN	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
46-S103	RAS/WAS PUMP STATION ROOF FRAMING PLAN	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
46-S104	RAS/WAS PUMP STATION ROOF PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
46-S201	RAS/WAS PUMP STATION ELEVATIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
46-S301	RAS/WAS PUMP STATION SECTIONS 1	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
46-S302	RAS/WAS PUMP STATION SECTIONS 2	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
46-S303	RAS/WAS PUMP STATION SECTIONS 3	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
46-S304	RAS/WAS PUMP STATION SECTIONS 4	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
46-S305	RAS/WAS PUMP STATION SECTIONS 5	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
46-S601	RAS/WAS PUMP STATION SCHEDULES	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>50-TERTIARY FILTERS</b>					
50-AP001	TERTIARY FILTERS AREA PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-AP002	TERTIARY FILTERS ISOMETRICS 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-E101	TERTIARY FILTERS - POWER AND CONTROL UPPER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-E102	TERTIARY FILTERS POWER AND CONTROL LOWER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-E103	TERTIARY FILTERS LIGHTING UPPER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-E104	TERTIARY FILTERS LIGHTING LOWER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-E105	TERTIARY FILTER GROUNDING UPPER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-E106	TERTIARY FILTERS GROUNDING LOWER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-E107	TERTIARY FILTERS ENLARGED PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-E301	TERTIARY FILTERS ELECTRICAL SECTION - 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-E501	TERTIARY FILTERS ELECTRICAL DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-E601	EFFLUENT FILTERS OVERALL RISER DIAGRAM	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
50-E602	FILTERS NO.1 & NO.3 RISER DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-E603	FILTERS NO.2 RISER DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-P101	TERTIARY FILTERS LOWER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-P102	TERTIARY FILTERS UPPER PLAN	1	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
50-P301	TERTIARY FILTERS SECTION 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-P302	TERTIARY FILTERS SECTION 2	1	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
50-P303	TERTIARY FILTERS SECTIONS 3 AND 4	1	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
50-S101	TERTIARY FILTERS DRILLED PIER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-S102	TERTIARY FILTERS LOWER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-S103	TERTIARY FILTERS UPPER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-S104	TERTIARY FILTER ROOF PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-S105	TERTIARY FILTER ENLARGED PLANS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-S301	TERTIARY FILTERS SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-S302	TERTIARY FILTERS SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-S303	TERTIARY FILTERS SECTIONS	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
50-S304	TERTIARY FILTERS SECTIONS	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
50-S305	TERTIARY FILTERS SECTIONS	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
50-S306	TERTIARY FILTERS SECTIONS	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
50-S307	TERTIARY FILTERS SECTIONS	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
50-S308	TERTIARY FILTER DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-S309	TERTIARY FILTER ENLARGED SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-S501	TERTIARY FILTER DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -



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Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
50-S502	TERTIARY FILTER DETAILS II	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
50-S601	GRADE BEAMS SCHEDULE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>52-UV / EFFLUENT / NPW FACILITY STRUCTURE</b>					
52-AP001	UV DISINFECTION AREA PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-AP002	UV DISINFECTION ISOMETRICS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-E101	UV, EFFLUENT, AND NPW PARTIAL ELECTRICAL SITE PLAN	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
52-E102	UV, EFFLUENT, AND NPW DUCTBANK ROUTING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-E501	UV, EFFLUENT, AND NPW DUCTBANK SCHEDULE - I	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
52-E502	UV, EFFLUENT, AND NPW DUCTBANK PLAN SCHEDULE - II	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
52-E601	UV, EFFLUENT, AND NPW EQUIPMENT TAG TABLES	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S101	DRILLED PIER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S102	OVERALL LOWER GENERAL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S103	LOWER PLAN AREA B	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S104	LOWER PLAN AREA C	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S105	OVERALL INTERMEDIATE PLAN @ EL. 538.00	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S106	INTERMEDIATE PLAN @ EL. 538.00 AREA A	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S107	INTERMEDIATE PLAN @ EL. 538.00 AREA B	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S108	INTERMEDIATE PLAN @ EL. 538.00 AREA C	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S109	OVERALL INTERMEDIATE PLAN @ EL. 546.00	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S110	INTERMEDIATE PLAN @ EL. 546.00 AREA A	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S111	INTERMEDIATE PLAN @ EL. 546.00 AREA B	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S112	INTERMEDIATE PLAN @ EL. 546.00 AREA C	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S113	OVERALL UPPER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S114	UPPER PLAN AREA A	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S115	UPPER PLAN AREA B	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S116	ROOF PLAN AREA A	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S301	UV DISINFECTION SECTIONS 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S302	UV DISINFECTION SECTIONS 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S303	UV DISINFECTION SECTIONS 3	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S304	UV DISINFECTION SECTIONS 4	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S305	UV DISINFECTION SECTIONS 5	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S306	UV DISINFECTION SECTIONS 6	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S307	UV DISINFECTION SECTIONS 7	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S308	UV DISINFECTION SECTIONS 8	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S309	UV DISINFECTION ENLARGED VIEWS	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
52-S310	UV DISINFECTION ENLARGED VIEWS	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
52-S311	UV DISINFECTION ENLARGED VIEWS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S501	UV DISINFECTION DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
52-S502	TERTIARY FILTER DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>53-UV FACILITY</b>					
53-AP002	UV DISINFECTION ISOMETRICS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
53-E101	UV SYSTEM POWER AND CONTROL PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
53-E102	UV AND NPW GROUNDING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
53-E103	UV AND NPW LIGHTING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
53-E104	UV INFLUENT METER VAULT POWER AND CONTROL PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
53-E501	UV ELECTRICAL DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
53-E601	UV CHANNEL A RISER DIAGRAM - I	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
53-E602	UV CHANNEL B RISER DIAGRAM - II	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
53-E603	UV CHANNEL A INTERCONNECTION RISER DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
53-E604	UV CHANNEL B INTERCONNECTION RISER DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
53-E605	UV SCC INTERFACE DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
53-P101	UV DISINFECTION LOWER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
53-P102	UV DISINFECTION TOP OF WALL PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
53-P301	UV SECTIONS 1	1	12/7/2023	12/21/2023	CMAR Procurement Rev 05 20231221
53-P302	UV SECTIONS 2	1	12/7/2023	12/21/2023	CMAR Procurement Rev 05 20231221
53-P303	UV SECTIONS 3	1	12/7/2023	12/21/2023	CMAR Procurement Rev 05 20231221
<b>54-UV ELECTRICAL BUILDING #1</b>					
54-AP001	UV ELECTRICAL BUILDING AREA PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
54-AP002	UV ELECTRICAL BUILDING ISOMETRIC VIEW	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
54-E101	FILTERS UV ELECTRICAL BUILDING POWER, CONTROL, AND, GROUNDING PLAN	2	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
54-E102	FILTERS UV ELECTRICAL BUILDING LIGHTING & RECEPTACLE PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
54-E103	FILTERS UV ELECTRICAL BUILDING CABLE TRAY PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
54-E501	MCC-5 ONE-LINE DIAGRAM - I	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
54-E502	MCC-5 ONE-LINE DIAGRAM - II	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
54-E503	MCC-5 ELEVATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
54-E504	LIGHTING PANEL LP-5 AND LU-P PANEL SCHEDULES	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
54-E601	PLC-UV INTERFACE DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
54-E602	ELECTRICAL SCHEMATICS - I	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -



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Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
54-M101	UV ELECTRICAL BUILDING HVAC PLAN	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
54-M301	UV ELECTRICAL BUILDING HVAC SECTIONS AND ELEVATIONS	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
54-M601	UV ELECTRICAL BUILDING HVAC SCHEDULES AIRFLOW SCHEMATIC	1	6/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
54-S001	UV ELECTRICAL BUILDING LIFE SAFETY PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
54-S101	UV ELECTRICAL BUILDING DRILLED PIER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
54-S102	UV ELECTRICAL LOWER BUILDING PLAN	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
54-S103	UV ELECTRICAL BUILDING ROOF FRAMING PLAN	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
54-S104	UV ELECTRICAL BUILDING ROOF PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
54-S201	UV ELECTRICAL BUILDING ELEVATIONS 1	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
54-S301	UV ELECTRICAL BUILDING SECTIONS 1	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
54-S601	UV ELECTRICAL BUILDING DOOR SCHEDULE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>55-EFFLUENT FACILITY</b>					
55-AP002	EFFLUENT FACILITY ISOMETRICS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
55-E101	EFFLUENT FACILITY OVERALL ELECTRICAL PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
55-E102	EFFLUENT FACILITY GROUNDING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
55-E103	EFFLUENT FACILITY SUPPLEMENTAL POST-AERATION POWER AND CONTROL PLAN - I	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
55-E104	EFFLUENT FACILITY SUPPLEMENTAL POST- AERATION POWER AND CONTROL PLAN - II	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
55-E105	EFFLUENT FACILITY LIGHTING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
55-E301	EFFLUENT FACILITY ELECTRICAL DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
55-E501	EFFLUENT FACILITY SUPPLEMENTAL POST-AREATION RISER DIAGRAM	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
55-P101	EFFLUENT FACILITY SUPPLEMENTAL POST-AERATION UPPER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
55-P102	EFFLUENT FACILITY PARSHALL FLUME ENLARGED PLAN	2	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
55-P301	EFFLUENT FACILITY SECTION 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
55-P302	EFFLUENT FACILITY SECTION 2	1	12/7/2023	12/21/2023	CMAR Procurement Rev 05 20231221
55-P303	EFFLUENT FACILITY SECTION 3	1	12/7/2023	12/21/2023	CMAR Procurement Rev 05 20231221
<b>56-NON-POTABLE WATER SYSTEM</b>					
56-AP002	NON POTABLE WATER ISOMETRIC	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
56-E101	NON-POTABLE WATER POWER PLAN	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
56-E102	NON-POTABLE WATER ELECTRICAL DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
56-E601	NPW RISER DIAGRAM	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
56-P101	NON-POTABLE WATER UPPER AND LOWER PLANS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
56-P301	NON POTABLE WATER SECTIONS 1	1	12/7/2023	12/21/2023	CMAR Procurement Rev 05 20231221
56-P302	NON POTABLE WATER SECTIONS 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>60-CHEMICAL FEEDS AND STORAGE FACILITIES</b>					
60-AP001	CHEMICAL FEED - ALUMINUM SULFATE FEED EQUIPMENT ROOM AREA PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-AP002	CHEMICAL FEED - ALUMINUM SULFATE FEED EQUIPMENT ROOM ISOMETRICS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-AP003	CHEMICAL FEED - SODIUM HYPOCHLORITE FEED EQUIPMENT ROOM AREA PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-AP004	CHEMICAL FEED - SODIUM HYPOCHLORITE FEED EQUIPMENT ROOM ISOMETRICS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-E101	CHEMICAL FEED - ALUMINUM SULFATE STORAGE ROOM POWER AND GROUNDING PLAN	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
60-E102	CHEMICAL FEED - ALUMINUM SULFATE STORAGE ROOM LIGHTING AND RECEPTACLE PLAN	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
60-E103	CHEMICAL FEED - SODIUMHYPOCHLORITE STORAGE ROOM	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
60-E104	CHEMICAL FEED - SODIUM HYPCHLORITE FEED EQUIPMENT ROOM LIGHTING AND RECEPTACLE PLAN	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
60-E501	CHEMICAL FEED - ALUMINUM SULFATE STORAGE ROOM RISER DIAGRAM	2	8/22/2023	8/23/2023	CMAR Procurement Rev 03 20230823
60-E502	CHEMICAL FEED - SODIUM - HYPOCHLORITE FEED EQUIPMENT ROOM RISER DIAGRAM	2	8/22/2023	8/23/2023	CMAR Procurement Rev 03 20230823
60-M101	CHEMICAL FEED - ALUMINUM SULFATE FEED EQUIPMENT ROOM HVAC PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-M102	CHEMICAL FEED - ALUMINUM SULFATE FEED EQUIPMENT ROOM PIPING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-M103	CHEMICAL FEED - SODIUM HYPOCHLORITE FEED EQUIPMENT ROOM HVAC PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-M104	CHEMICAL FEED - SODIUM HYPOCHLORITE FEED EQUIPMENT ROOM PIPING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-M301	CHEMICAL FEED - ALUMINUM SULFATE FEED EQUIPMENT ROOM HVAC SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-M302	CHEMICAL FEED - ALUMINUM SULFATE FEED EQUIPMENT ROOM PIPING SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-M303	CHEMICAL FEED - SODIUM HYPOCHLORITE FEED EQUIPMENT ROOM HVAC SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-M304	CHEMICAL FEED - SODIUM HYPOCHLORITE FEED EQUIPMENT ROOM PIPING SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-M601	CHEMICAL FEED - ALUMINUM SULFATE FEED EQUIPMENT ROOM SCHEDULES AND AIRFLOW SCHEMATIC	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-M602	CHEMICAL FEED - SODIUM ALUMINUM FEED	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-P101	CHEMICAL FEED - ALUMINUM SULFATE FEED EQUIPMENT ROOM PLANS	1	7/6/2023	8/15/2023	CMAR Procurement Rev 02 20230815
60-P102	CHEMICAL FEED - SODIUM HYPOCHLORITE FEED EQUIPMENT ROOM OVERALL PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-P103	CHEMICAL FEED - SODIUM HYPOCHLORITE STORAGE TANK PLAN AND ISOMETRIC	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-P104	CHEMICAL FEED - SODIUM HYPOCHLORITE FEED EQUIPMENT ROOM PLAN AND ISOMETRIC	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-P301	CHEMICAL FEED - ALUMINUM SULFATE FEED EQUIPMENT ROOM SECTIONS AND ISOMETRIC 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-P302	CHEMICAL FEED - ALUMINUM SULFATE FEED EQUIPMENT ROOM SECTIONS AND ISOMETRIC 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-P303	CHEMICAL FEED - SODIUM HYPOCHLORITE STORAGE TANK SECTIONS 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-P304	CHEMICAL FEED - SODIUM HYPOCHLORITE FEED EQUIPMENT ROOM SECTIONS 2	2	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
60-S001	CHEMICAL FEED - ALUMINUM SULFATE FEED EQUIPMENT ROOM LIFE SAFETY PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-S101	CHEMICAL FEED - ALUMINUM SULFATE FEED EQUIPMENT ROOM / STORAGE DRILLED PIER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-S102	CHEMICAL FEED - ALUMINUM SULFATE FEED EQUIPMENT ROOM LOWER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-S103	CHEMICAL FEED - ALUMINUM SULFATE FEED EQUIPMENT ROOM ROOF FRAMING PLAN	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
60-S104	CHEMICAL FEED - ALUMINUM SULFATE FEED EQUIPMENT ROOM ROOF PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-S105	CHEMICAL FEED - SODIUM HYPOCHLORITE STORAGE TANK DRILLED PIER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -



DRAWING LOG

Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
60-S106	CHEMICAL FEED - SODIUM HYPOCHLORITE FEED EQUIPMENT ROOM LOWER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-S201	CHEMICAL FEED - ALUMINUM SULFATE STORAGE BUILDING ELEVATIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-S202	CHEMICAL FEED - SODIUM HYPOCHLORITE FEED EQUIPMENT ROOM ELEVATIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-S301	CHEMICAL FEED - ALUMINUM SULFATE STORAGE BUILDING SECTION 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-S302	CHEMICAL FEED - ALUMINUM SULFATE STORAGE BUILDING SECTION 2	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
60-S303	CHEMICAL FEED - SODIUM HYPOCHLORITE FEED EQUIPMENT ROOM SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-S501	CHEMICAL FEED - ALUMINUM SULFATE STORAGE BUILDING DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-S601	CHEMICAL FEED - ALUMINUM SULFATE FEED EQUIPMENT ROOM DOOR SCHEDULE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
60-S602	CHEMICAL FEED - ALUMINUM SULFATE FEED EQUIPMENT ROOM GRADE BEAM SCHEDULE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>70-AERATED SLUDGE HOLDING TANK</b>					
70-AP001	AERATED SLUDGE HOLDING TANK AREA PLAN	2	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
70-AP002	AERATED SLUDGE HOLDING TANK ISOMETRIC VIEWS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
70-E100	AERATED SLUDGE HOLDING TANK AREA PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
70-E101	AERATED SLUDGE HOLDING TANK GROUNDING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
70-E102	AERATED SLUDGE HOLDING TANK ENLARGED ELECTRICAL PLAN	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
70-E103	AERATED SLUDGE HOLDING TANK LIGHTING PLAN	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
70-E301	AERATED SLUDGE HOLDING TANK DUCTBANK SECTIONS	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
70-E501	AERATED SLUDGE HOLDING TANK RISER DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
70-E502	AERATED SLUDGE HOLDING TANK DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
70-P101	AERATED SLUDGE HOLDING TANKS LOWER PLAN	3	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
70-P102	AERATED SLUDGE HOLDING TANKS UPPER PLAN	1	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
70-P103	AERATED SLUDGE HOLDING TANKS ENLARGED PLAN 1	4	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
70-P104	AERATED SLUDGE HOLDING TANKS ENLARGED PLAN & SECTIONS	3	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
70-P105	AERATED SLUDGE HOLDING TANKS AIR PIPING SUPPORT PLAN	1	7/6/2023	8/15/2023	CMAR Procurement Rev 02 20230815
70-P301	AERATED SLUDGE HOLDING TANKS SECTIONS 1	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
70-P302	AERATED SLUDGE HOLDING TANKS SECTIONS 2	2	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
70-P303	AERATED SLUDGE HOLDING TANKS SECTIONS 3	5	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
70-S101	AERATED SLUDGE HOLDING TANKS DRILLED PIER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
70-S102	AERATED SLUDGE HOLDING TANKS LOWER PLAN	2	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
70-S103	AERATED SLUDGE HOLDING TANKS UPPER PLAN	2	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
70-S104	AERATED SLUDGE HOLDING TANKS ENLARGED PLAN 1	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
70-S105	AERATED SLUDGE HOLDING TANKS ENLARGED PLAN 2	0	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
70-S301	AERATED SLUDGE HOLDING TANKS SECTIONS 1	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
70-S302	AERATED SLUDGE HOLDING TANKS SECTIONS 2	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
70-S303	AERATED SLUDGE HOLDING TANKS SECTIONS 3	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
70-S304	AERATED SLUDGE HOLDING TANKS SECTIONS 4	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
70-S305	AERATED SLUDGE HOLDING TANKS SECTIONS 5	0	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
70-S501	AERATED SLUDGE HOLDING TANKS DETAILS	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
70-S502	AERATED SLUDGE HOLDING TANKS DETAILS	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
70-S601	AERATED SLUDGE HOLDING TANKS GRADE BEAM SCHEDULE	1	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
<b>72-BIOSOLIDS HANDLING BUILDING</b>					
72-AP001	BIOSOLIDS HANDLING BUILDING AREA PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-AP002	BIOSOLIDS HANDLING BUILDING ISOMETRIC	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-E101	BIOSOLIDS HANDLING BUILDING LEVEL 1 ELECTRICAL AND GROUNDING PLAN	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-E102	BIOSOLIDS HANDLING BUILDING LEVEL 2 ELECTRICAL PLAN	1	2/23/2022	8/15/2023	CMAR Procurement Rev 02 20230815
72-E103	BIOSOLIDS HANDLING BUILDING LEVEL 1 LIGHTING AND RECEPTACLE PLAN	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
72-E104	BIOSOLIDS HANDLING BUILDING LEVEL 2 LIGHTING AND RECEPTACLE PLAN	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-E105	BIOSOLIDS HANDLING BUILDING BULK POLYMER AND BLOWER AREA ELECTRICAL PLAN	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-E106	BIOSOLIDS HANDLING BUILDING LEVEL 2 POLYMER ROOM ELECTRICAL PLAN	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-E107	BIOSOLIDS HANDLING BUILDING ELECTRICAL ROOM EQUIPMENT PLAN	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
72-E108	BIOSOLIDS HANDLING BUILDING ELECTRICAL POWER PLAN	3	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
72-E109	BIOSOLIDS HANDLING BUILDING LEVEL 2 CONTROL ROOM EQUIPMENT LAYOUT	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-E110	BIOSOLID HANDLING BUILDING HVAC UPPER POWER PLAN	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-E111	BIOSOLIDS HANDLING BUILDING HVAC LOWER POWER PLAN	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-E501	ELECTRICAL BIO SOLIDS HANDLING BUILDING SWITCHBOARD -MSB6 ONE-LINE DIAGRAM	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
72-E502	ELECTRICAL BIO SOLIDS HANDLING BUILDING MCC-6A AND MCC-6B ONE-LINE DIAGRAM - I	3	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
72-E503	ELECTRICAL BIO SOLIDS HANDLING BUILDING MCC-6A AND MCC-6B ONE-LINE DIAGRAM - II	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-E504	ELECTRICAL BIO SOLIDS HANDLING FACILITY CENTRIFUGE NO.1 RISER DIAGRAM	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
72-E505	ELECTRICAL BIO SOLIDS HANDLING BUILDING CENTRIFUGE NO.2 RISER DIAGRAM	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
72-E506	ELECTRICAL BIO SOLIDS HANDLING BUILDING CENTRIFUGE-POLYMER RISER DIAGRAM	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-E507	ELECTRICAL BIO SOLIDS HANDLING BUILDING POLYMER TANK DETAILS	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-E508	PLC-ASHT INTERFACE DIAGRAM	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-E509	BIOSOLID HANDLING BUILDING BULK POLYMER RISER DIAGRAM	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-E510	BIOSOLID HANDLING BUILDING BULK ELECTRICAL DETAILS	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-E600	BIOSOLIDS HANDLING BUILDING PANELBOARD SCHEDULES	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-M101	BIOSOLIDS HANDLING BUILDING HVAC LOWER PLAN	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
72-M102	BIOSOLIDS HANDLING BUILDING HVAC PLAN	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-M103	BIOSOLIDS HANDLING BUILDING HVAC UPPER PLAN	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -



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Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
72-M104	BIOSOLIDS HANDLING BUILDING PIPING PLAN	1	8/23/2023	8/23/2023	CMAR Procurement Rev 03 20230823
72-M105	BIOSOLIDS HANDLING BUILDING PLUMBING LOWER PLAN	2	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
72-M106	BIOSOLIDS HANDLING BUILDING PLUMBING UPPER PLAN	1	8/23/2023	8/23/2023	CMAR Procurement Rev 03 20230823
72-M301	BIOSOLIDS HANDLING BUILDING HVAC SECTION 1	1	8/23/2023	8/23/2023	CMAR Procurement Rev 03 20230823
72-M302	BIOSOLIDS HANDLING BUILDING HVAC SECTION 2	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
72-M303	BIOSOLIDS HANDLING BUILDING PLUMBING SECTIONS	1	8/23/2023	8/23/2023	CMAR Procurement Rev 03 20230823
72-M601	BIOSOLIDS HANDLING BUILDING PLUMBING ISOMETRIC	1	8/23/2023	8/23/2023	CMAR Procurement Rev 03 20230823
72-M602	BIOSOLIDS HANDLING BUILDING PIPING ISOMETRIC	1	8/23/2023	8/23/2023	CMAR Procurement Rev 03 20230823
72-M603	BIOSOLIDS HANDLING BUILDING HVAC SCHEDULES	1	6/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
72-M604	BIOSOLIDS HANDLING BUILDING SCHEDULES AND AIRFLOW SCHEMATIC	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-P101	BIOSOLIDS HANDLING BUILDING LEVEL 1 PLAN	2	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
72-P102	BIOSOLIDS HANDLING BUILDING LEVEL 2 PLAN	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-P103	BIOSOLIDS HANDLING BUILDING - BLOWER ROOM PLAN AND ISOMETRIC	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-P301	BIOSOLIDS HANDLING BUILDING SECTION 1	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
72-P302	BIOSOLIDS HANDLING BUILDING SECTION 2	1	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
72-P303	BIOSOLIDS HANDLING BUILDING SECTION 3	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
72-P304	BIOSOLIDS HANDLING BUILDING SECTION 4	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
72-P305	POLYMER TRANSFER PUMP DETAILED SECTIONS	1	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
72-P306	CENTRIFUGE DETAILED SECTIONS	2	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
72-P307	POLYMER FILL STATION	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-S001	BIOSOLIDS HANDLING BUILDING LIFE SAFETY PLAN	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-S101	BIOSOLIDS HANDLING BUILDING DRILLED PIER PLAN	2	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
72-S102	BIOSOLIDS HANDLING BUILDING LOWER PLAN	3	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
72-S103	BIOSOLIDS HANDLING BUILDING UPPER PLAN	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
72-S104	BIOSOLIDS HANDLING BUILDING ROOF PLAN	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-S105	BIOSOLIDS HANDLING BUILDING ROOF PLAN	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-S106	BIOSOLIDS HANDLING BUILDING ENLARGED PLANS	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-S201	BIOSOLIDS HANDLING BUILDING ELEVATIONS	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
72-S301	BIOSOLIDS HANDLING BUILDING SECTIONS	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-S302	BIOSOLIDS HANDLING BUILDING SECTIONS	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-S303	BIOSOLIDS HANDLING BUILDING SECTIONS	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-S304	BIOSOLIDS HANDLING BUILDING SECTIONS	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-S305	BIOSOLIDS HANDLING BUILDING SECTIONS	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-S306	BIOSOLIDS HANDLING BUILDING DETAILS	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
72-S307	BIOSOLIDS HANDLING BUILDING DETAILS	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-S308	BIOSOLIDS HANDLING BUILDING DETAILS	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-S309	BIOSOLIDS HANDLING BUILDING DETAILS	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-S310	BIOSOLIDS HANDLING BUILDING DETAILS	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-S311	BIOSOLIDS HANDLING BUILDING DETAILS	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-S312	BIOSOLIDS HANDLING BUILDING DETAILS	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-S313	BIOSOLIDS HANDLING BUILDING DETAILS	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
72-S601	BIOSOLIDS HANDLING BUILDING GRADE BEAM SCHEDULE	0	6/14/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>85-OPERATIONS &amp; LABORATORY BUILDING</b>					
85-A001	OPERATIONS & LABORATORY CODE ANALYSIS & LIFE SAFETY PLAN	1	7/21/2023	8/15/2023	CMAR Procurement Rev 02 20230815
85-A002	ACCESSIBILITY DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-A003	ACCESSIBILITY DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-A101	OPERATIONS & LABORATORY BUILDING FLOOR PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-A102	OPERATIONS & LABORATORY REFLECTED CEILING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-A103	OPERATIONS & LABORATORY ROOF PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-A201	OPERATIONS & LABORATORY BUILDING ELEVATIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-A202	OPERATIONS & LABORATORY BUILDING ELEVATIONS CONT.	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-A301	OPERATIONS & LABORATORY BUILDING SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-A302	OPERATIONS & LABORATORY BUILDING SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-A303	OPERATIONS & LABORATORY WALL SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-A401	OPERATIONS & LABORATORY ENLARGED PLANS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-A402	OPERATIONS & LABORATORY ENLARGED PLANS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-A403	OPERATIONS & LABORATORY BUILDING INTERIOR ELEVATIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-A404	OPERATIONS & LABORATORY BUILDING INTERIOR ELEVATIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-A405	OPERATIONS & LABORATORY BUILDING INTERIOR ELEVATIONS	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
85-A501	OPERATIONS & LABORATORY MISC. & ROOF DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-A502	OPERATIONS & LABORATORY PARTITION SCHEDULE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-A601	OPERATIONS & LABORATORY DOOR SCHEDULE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-A602	OPERATIONS & LABORATORY DOOR DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-A603	OPERATIONS & LABORATORY BUILDING WINDOW SCHEDULE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-A604	OPERATIONS & LABORATORY MATERIAL FINISH AND ROOM SCHEDULE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-A605	OPERATIONS & LABORATORY BUILDING FLOORING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-A701	OPERATIONS & LABORATORY FURNITURE PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-A702	OPERATIONS & LABORATORY SIGNAGE PLAN & DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -



DRAWING LOG

Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
85-A703	OPERATIONS & LABORATORY SIGNAGE SCHEDULE AND DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-E001	OPERATIONS & LABORATORY ELECTRICAL GENERAL NOTES AND LEGENDS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-E101	OPERATIONS & LABORATORY ELECTRICAL LIGHTING PLAN	1	5/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
85-E102	OPERATIONS & LABORATORY ELECTRICAL POWER PLAN	1	7/21/2023	8/15/2023	CMAR Procurement Rev 02 20230815
85-E501	OPERATIONS & LABORATORY ELECTRICAL DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-E601	OPERATIONS & LABORATORY ELECTRICAL SCHEDULES	1	5/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
85-E602	OPERATIONS & LABORATORY ELECTRICAL RISER DIAGRAMS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-M101	OPERATIONS & LABORATORY BUILDING HVAC PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-M102	OPERATIONS & LABORATORY BUILDING DOMESTIC WATER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-M103	OPERATIONS & LABORATORY BUILDING SANITARY SEWER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-M401	OPERATIONS & LABORATORY BUILDING ENLARGED HVAC PLANS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-M601	OPERATIONS & LABORATORY BUILDING HVAC SCHEDULES	1	5/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
85-M602	OPERATIONS & LABORATORY BUILDING HVAC SCHEDULES AND SEQUENCES	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-M603	OPERATIONS & LABORATORY BUILDING PLUMBING SCHEDULES	1	7/21/2023	8/15/2023	CMAR Procurement Rev 02 20230815
85-M604	OPERATIONS & LABORATORY BUILDING PLUMBING SCHEDULES	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-M605	OPERATIONS & LABORATORY BUILDING PLUMBING SCHEDULES	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-M901	OPERATIONS & LABORATORY BUILDING HVAC ISOMETRIC DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-M902	OPERATIONS & LABORATORY BUILDING HVAC ISOMETRIC DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-M903	OPERATIONS & LABORATORY BUILDING DOMESTIC WATER ISOMETRIC DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-M904	OPERATIONS & LABORATORY BUILDING SANITARY SEWER ISOMETRIC DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-S001	ROOF WIND UPLIFT DIAGRAMS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-S101	OPERATIONS & LABORATORY BUILDING DRILLED PIER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-S102	OPERATIONS & LABORATORY BUILDING FOUNDATION PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-S103	OPERATIONS & LABORATORY BUILDING LOW ROOF FRAMING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-S104	OPERATIONS & LABORATORY BUILDING HIGH ROOF FRAMING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-S301	OPERATIONS & LABORATORY BUILDING SECTIONS	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
85-S302	STEEL FRAMING DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-S303	STEEL FRAMING DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-S501	TYPICAL CONCRETE MASONRY DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-S502	TYPICAL STEEL DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-S503	TYPICAL STEEL DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
85-S601	GRADE BEAMS SCHEDULE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>86-MAINTENANCE &amp; STORAGE BUILDING</b>					
86-A001	MAINTENANCE BUILDING LIFE SAFETY & CODE ANALYSIS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-A002	ACCESSIBILITY DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-A101	MAINTENANCE BUILDING FLOOR PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-A102	MAINTENANCE BUILDING REFLECTED CEILING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-A103	MAINTENANCE BUILDING ROOF PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-A201	MAINTENANCE BUILDING ELEVATIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-A301	MAINTENANCE BUILDING SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-A302	MAINTENANCE BUILDING SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-A303	MAINTENANCE BUILDING WALL SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-A304	MAINTENANCE BUILDING WALL SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-A305	MAINTENANCE BUILDING WALL SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-A401	MAINTENANCE BUILDING ENLARGED PLANS & DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-A501	MAINTENANCE BUILDING PARTITION SCHEDULE & MISC. DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-A601	MAINTENANCE BUILDING DOOR, FINISH SCHEDULE & DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-A602	MAINTENANCE BUILDING DOOR DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-E001	MAINTENANCE BUILDING ELECTRICAL GENERAL NOTES AND LEGENDS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-E101	MAINTENANCE BUILDING ELECTRICAL LIGHTING PLAN	1	5/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
86-E102	MAINTENANCE BUILDING ELECTRICAL POWER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-E501	MAINTENANCE BUILDING ELECTRICAL DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-E601	MAINTENANCE BUILDING ELECTRICAL SCHEDULES	1	5/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
86-E602	MAINTENANCE BUILDING ELECTRICAL POWER RISER DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-M101	MAINTENANCE BUILDING HVAC PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-M102	MAINTENANCE BUILDING DOMESTIC WATER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-M103	MAINTENANCE BUILDING SANITARY SEWER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-M104	MAINTENANCE BUILDING COMPRESSED AIR PIPING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-M301	MAINTENANCE BUILDING MECHANICAL SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-M601	MAINTENANCE BUILDING HVAC SCHEDULES AND SEQUENCES	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-M602	MAINTENANCE BUILDING PLUMBING SCHEDULES	1	7/21/2023	8/15/2023	CMAR Procurement Rev 02 20230815
86-M603	MAINTENANCE BUILDING PLUMBING SCHEDULES	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-M901	MAINTENANCE BUILDING DOMESTIC WATER RISER DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-M902	SANITARY SEWER RISER DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-M903	MAINTENANCE BUILDING COMPRESSED AIR PIPING RISER DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-S001	ROOF WIND UPLIFT DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-S101	MAINTENANCE AND STORAGE BLDG DRILLED PIER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-S102	MAINTENANCE BUILDING FOUNDATION PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -



# DRAWING LOG

City of Pflugerville  
Wilbarger Creek Regional Wastewater  
Treatment Facility 1

Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
86-S103	MAINTENANCE BUILDING ROOF FRAMING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-S301	MAINTENANCE BUILDING SECTIONS	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
86-S302	STEEL FRAMING SECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-S501	TYPICAL CONCRETE MASONRY DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-S502	TYPICAL STEEL DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-S503	TYPICAL STEEL DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
86-S601	GRADE BEAM SCHEDULE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>88-MAIN PLANT ELECTRICAL BUILDING #1</b>					
88-AP002	MAIN PLANT ELECTRICAL BUILDING ISOMETRIC VIEW	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
88-E101	MAIN ELECTRICAL BUILDING POWER AND GROUNDING PLAN	2	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
88-E102	MAIN ELECTRICAL BUILDING LIGHTING AND RECEPTACLE PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
88-E103	MAIN ELECTRICAL BUILDING CABLE TRAY PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
88-E401	GENERATOR YARD PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
88-E501	WILBARGER CREEK RWWTF OVERALL ONE-LINE DIAGRAM	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
88-E502	SWG-1 ONE-LINE DIAGRAM - I	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
88-E503	SWG-1 ONE-LINE DIAGRAM - II	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
88-E504	SWG-1 ONE-LINE DIAGRAM - III	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
88-E505	SWBD-1 ONE-LINE DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
88-E506	MCC-1 ONE-LINE DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
88-E507	SWG-1 ELEVATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
88-E508	MCC-1 ELEVATION AND PANEL SCHEDULES	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
88-E509	GENERATOR RISER DIAGRAM AND PANEL SCHEDULE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
88-E601	PLC-MAIN INTERFACE DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
88-E602	GENERATOR YARD DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
88-M101	MAIN PLANT ELECTRICAL BUILDING HVAC PLANS	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
88-M301	MAIN PLANT ELECTRICAL BUILDING HVAC ELEVATIONS AND SECTION	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
88-M601	MAIN PLANT ELECTRICAL BUILDING HVAC SCHEDULES AND AIRFLOW SCHEMATIC	1	6/23/2023	6/30/2023	CMAR Procurement Rev 01 20230630
88-S001	MAIN PLANT ELECTRICAL BUILDING LIFE SAFETY PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
88-S101	MAIN PLANT ELECTRICAL BUILDING DRILLED PIER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
88-S102	MAIN PLANT ELECTRICAL BUILDING LOWER PLAN	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
88-S103	MAIN PLANT ELECTRICAL BUILDING ROOF FRAMING PLAN	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
88-S104	MAIN PLANT ELECTRICAL BUILDING ROOF PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
88-S201	MAIN ELECTRICAL BUILDING EXTERIOR ELEVATIONS	2	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
88-S301	MAIN PLANT ELECTRICAL BUILDING SECTIONS	1	8/21/2023	8/23/2023	CMAR Procurement Rev 03 20230823
88-S601	MAIN PLANT ELECTRICAL BUILDING SCHEDULES	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>89-GENERATOR / TRANSFORMER PAD</b>					
89-AP002	GENERATOR PAD ISOMETRICS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
89-S101	GENERATOR PLATFORM DRILLED PIER PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
89-S102	GENERATOR PLATFORM FRAMING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
89-S103	GENERATOR PLATFORM WALKWAY FRAMING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
89-S104	TRANSFORMER PAD PLAN / SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
89-S201	GENERATOR PLATFORM ELEVATIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
89-S301	GENERATOR PLATFORM SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
89-S302	GENERATOR PLATFORM ENLARGED SECTIONS AND DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
89-S303	GENERATOR PLATFORM ENLARGED SECTIONS AND DETAILS II	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>90-STANDARD DETAILS</b>					
90-E501	TYPICAL ELECTRICAL DETAILS - I	2	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
90-E502	TYPICAL ELECTRICAL DETAILS - II	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
90-E503	TYPICAL ELECTRICAL DETAILS - III	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
90-E504	TYPICAL ELECTRICAL DETAILS - IV	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
90-E505	TYPICAL ELECTRICAL DETAILS - V	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
90-E506	TYPICAL ELECTRICAL DETAILS - VI	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
90-E507	SEPARATELY DERIVED SCHEMATICS AND ELECTRICAL BUILDING DETAIL	0	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
90-E600	LIGHT FIXTURE SCHEDULE	1	6/30/2023	6/30/2023	CMAR Procurement Rev 01 20230630
90-E701	ELECTRICAL SCHEMATICS - I	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
90-E702	ELECTRICAL SCHEMATICS - II	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
90-E703	ELECTRICAL SCHEMATICS - III	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
90-E704	ELECTRICAL SCHEMATICS - IV	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
90-E705	ELECTRICAL SCHEMATICS - V	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
90-E706	ELECTRICAL SCHEMATICS - VI	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
90-E707	ELECTRICAL SCHEMATICS - VII	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
90-E708	ELECTRICAL SCHEMATICS - VIII	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
90-E709	ELECTRICAL SCHEMATICS - IX	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
90-E710	ELECTRICAL SCHEMATICS - X	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
90-E711	ELECTRICAL SCHEMATICS - XI	1	5/16/2024	5/20/2024	CMAR Procurement Rev 11 20240524
90-E712	ELECTRICAL SCHEMATICS - XII	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
90-E713	ELECTRICAL SCHEMATICS - XIII	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
90-E714	ELECTRICAL SCHEMATICS - XIX	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -



# DRAWING LOG

City of Pflugerville  
Wilbarger Creek Regional Wastewater  
Treatment Facility 1

Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
90-E715	ELECTRICAL SCHEMATICS - XV	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
90-E716	ELECTRICAL SCHEMATICS - XVI	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
<b>95-SCADA</b>					
95-T101	SYSTEM ARCHITECTURE DIAGRAM OVERVIEW	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T102	PARTIAL SYSTEM ARCHITECTURE DIAGRAM - 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T103	PARTIAL SYSTEM ARCHITECTURE DIAGRAM - 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T104	PARTIAL SYSTEM ARCHITECTURE DIAGRAM - 3	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T105	PARTIAL SYSTEM ARCHITECTURE DIAGRAM - 4	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T106	PARTIAL SYSTEM ARCHITECTURE DIAGRAM - 5	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T107	PARTIAL SYSTEM ARCHITECTURE DIAGRAM - 6	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T108	SCADA MAIN ELECTRICAL ENCLOSURE DETAIL (PLC-MAIN)	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T109	SCADA BLOWER ENCLOSURE DETAIL (PLC-BLR)	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T110	SCADA ILS ENCLOSURE DETAIL (PLC-ILS1)	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T111	SCADA RAS/WAS ENCLOSURE DETAIL (PLC-RAS/WAS)	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T112	SCADA UV ENCLOSURE DETAIL (PLC-UV)	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T113	SCADA SOLIDS ENCLOSURE DETAIL (PLC-SOLIDS)	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T114	SCADA OPERATIONS ENCLOSURE DETAIL (RACKS 1,2,3,4)	1	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
95-T115	SCADA NETWORK ENCLOSURE NET-MAINT DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T116	SCADA NETWORK ENCLOSURE NET-MAIN DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T117	SCADA NETWORK ENCLOSURE NET-BLR DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T118	SCADA NETWORK ENCLOSURE NET-ILS1 DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T119	SCADA NETWORK ENCLOSURE NET-RAS/WAS DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T120	SCADA NETWORK ENCLOSURE NET-UV DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T121	SCADA NETWORK ENCLOSURE NET-FC1 DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T122	SCADA NETWORK ENCLOSURE NET-SOLIDS DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T123	STANDARD INSTRUMENTATION DETAILS - 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T124	STANDARD INSTRUMENTATION DETAILS - 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T125	STANDARD INSTRUMENTATION DETAILS - 3	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T126	STANDARD INSTRUMENTATION DETAILS - 4	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T127	STANDARD INSTRUMENTATION DETAILS - 5	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
95-T128	STANDARD INSTRUMENTATION DETAILS - 6	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>96-SECURITY PLAN</b>					
96-SC0201	SECURITY SITE PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
96-SC1401	INFLUENT LIFT STATION ELECTRICAL BUILDING SECURITY PLAN	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
96-SC3801	BLOWER BUILDING SECURITY PLAN	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
96-SC4601	RAS/WAS BUILDING ELECTRICAL ROOM SECURITY PLAN	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
96-SC5401	UV ELECTRICAL BUILDING SECURITY PLAN	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
96-SC6001	CHEMICAL FEED STORAGE FACILITIES LOWER SECURITY PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
96-SC7201	BIOSOLIDS HANDLING BUILDING LEVEL 1 SECURITY PLAN	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
96-SC7202	BIOSOLIDS HANDLING BUILDING LEVEL 2 CONTROL ROOM SECURITY PLAN	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
96-SC8501	OPERATIONS AND LABORATORY BUILDING SECURITY PLAN	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
96-SC8601	MAINTENANCE BUILDING SECURITY PLAN	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
96-SC8801	MAIN ELECTRICAL BUILDING SECURITY PLAN	1	7/27/2023	8/15/2023	CMAR Procurement Rev 02 20230815
96-SC9601	SECURITY DETAILS - I	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
96-SC9602	SECURITY DETAILS - II	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
96-SC9603	SECURITY DETAILS - III	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
96-SC9604	SECURITY DETAILS-IV	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
96-SC9605	SECURITY DETAILS - V	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>99-WEISS LANE LIFT STATION</b>					
99 - C101	WEISS LANE LIFT STATION EROSION CONTROL PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
99 - C102	WEISS LANE LIFT STATION BYPASS PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
99 - C103	WEISS LANE LIFT STATION DECOMMISSIONING PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
99 - C104	WEISS LANE LIFT STATION DECOMMISSIONING PLAN VIEW	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
99 - C105	WEISS LANE LIFT STATION DECOMMISSIONING SECTION VIEW	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
99 - C106	WEISS LANE LIFT STATION DECOMMISSIONING PLAN - SITE PHOTOS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
99 - C107	CARMEL LIFT STATION FORCE MAIN DECOMMISSION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
99 - C108	TRAFFIC CONTROL PLAN DETAILS (1 OF 2)	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
99 - C109	TRAFFIC CONTROL PLAN DETAILS (2 OF 2)	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
99 - C110	CITY OF PFLUGERVILLE STANDARD DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>STANDARD DETAILS</b>					
D02 / 4413-001	TYPICAL DETAIL FOR DEMOLITION OF EXISTING MH'S ALONG ABANDON	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 0315-001	WATERSTOP JOINTS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 0315-002	NEW CONC. WALL AT EXISTING WALL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 0320-01	BAR TYPE DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 0320-02	STIRRUP TYPES DIAGRAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 0330-01	TYPICAL DRILLED PIER DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 0330-01A	PIER SCHEDULE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 0330-02	PERIMETER GRADE BEAM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -



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Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
D03 / 0330-03	INT GRAD BEAM AT PIPE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 0330-04	INT GRADE BEAM AT PIPE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 1313-008	EXTERIOR CONCRETE STAIR DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-100A	STANDARD HOOK AND REINFORCING LAP SPLICE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-100B	STANDARD HOOK AND REINFORCING LAP SPLICE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-100C	STANDARD HOOK AND REINFORCING LAP SPLICE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-100D	STANDARD HOOK AND REINFORCING LAP SPLICE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-101	STANDARD COVER FOR REINFORCING STEEL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-102A	FLAT RIBBED WATERSTOP DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-102B	STRIP-TYPE WATERSTOP DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-105	SPLASH BLOCK DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-106	CONCRETE CURB DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-110	CHIPPED OUT CONCRETE DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-120	TYPICAL BAR CLEARANCES	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-127	TYPICAL FOUNDATION CONSTRUCTION JOINT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-200	TYP REINF. WALL, GRADE BEAM, & FOUNDATION INTERSECTION/CORNER REINFORCING	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-201	WALL JOINT TO FOUNDATION JOINT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-202	WALL VERTICAL CONSTRUCTION JOINT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-203	SEALANT DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-203A	CRACK CONTROL JOINT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-204	STOOP / APPROACH SLAB	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-205	PIPE CARRIER TRENCH DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-206	RETROFIT WATERSTOP	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-207	SLOPED GROUT OR CONCRETE FILL KEY	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-303	TYPICAL SPLICE DETAIL AT CIRCULAR BASIN WALLS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-400	STRIP FOOTING INTERSECTION DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-401	STRIP FOOTING CORNER DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-402	STEP FOOTING DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-500	SLAB ON GRADE CONTROL JOINTS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-501	CONSTRUCTION JOINT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-502	CONTAINMENT SLAB ON GRADE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-600	WALL OPENINGS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-601	TYPICAL ADDITIONAL REINF. AT SUSPENDED SLAB OPENINGS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-602	STANDARD CHAMFER AT CONCRETE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-603	WALL JOINT-HORIZONTAL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-604	PLUG COLLAR FOR EXISTING OPENING IN EXISTING WALL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-605	EXPANSION JOINT AT EXISTING STRUCTURE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-606	EXPANSION JOINT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-607	TOP OF WEIR WALL DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-700	CONSTRUCTION JOINT-CORNER	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-701	CONSTRUCTION JOINT-TEE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-703	CONSTRUCTION JOINT AT FUTURE EXPANSION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-800	PIPE COLLAR DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-801	TYPICAL PIPE SUPPORT PEDESTAL ON CONCRETE	1	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
D03 / 3000-802	CONCRETE PIER PIPE SUPPORT	0	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
D03 / 3000-803	UNDER SLAB PIPING CONNECTION	0	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
D03 / 3000-804	PRESSURE RELIEF VALVE SECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-900	CONCRETE STAIR DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-902	CANTILEVERED CONCRETE STAIR	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-950	SWITCHGEAR ENCLOSURE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-1000	EQUIPMENT BASE DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-1001	ANCHOR BOLT DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3000-1002	CONCRETE STAIR ON GRADE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D03 / 3300-902	GENERATOR FOUNDATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 0421-002	HEAD OF WALLS DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 0421-003	TYP BASE OF WALL DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 2200-002	TYPICAL CMU LINTEL BEAMS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 2200-004	TYPICAL CMU BOND BEAM CORNER REINFORCEMENT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 2200-005	TYPICAL CMU WALL REINFORCEMENT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 2200-007	TYPICAL CMU PIER DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 2200-101	TYPICAL CMU SILL DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 2200-103	CMU WALL PIPE PENETRATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 2200-104	CMU PIPE OPENING REINFORCING	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 2200-104A	CMU SQUARE OPENING REINFORCING	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 2200-200	STEEL JOIST THROUGH INTERIOR NON-LOAD BEARING CMU WALL DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 2200-201	NON-LOAD BEARING CMU WALL SUPPORT DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 2200-203	ROOF DECK TO MASONRY WALL CONNECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 2200-204	ROOF DECK TO MASONRY WALL CONNECTION WITH BRICK VENEER	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -



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Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
D04 / 2200-205	ROOF DECK ON INTERIOR MASONRY WALL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 2200-209	CEILING SUPPORT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 2200-300	REINF. AT OPENINGS DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 2200-302	TYPICAL CMU BOND BEAM INTERSECTION REINFORCEMENT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 2200-304	TYPICAL WALL REINFORCEMENT AT WALL JOIST DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 2200-306	PLAN MASONRY JOINT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 2200-307	TYPICAL CONNECTION AT CMU WALL INTERSECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 2200-308	TYP CMU OVERHEAD DOOR JAMB	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 2200-309	CONDITION WITH A PARAPET WALL DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 2200-401	TYP STEEL BEAM LINTEL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 2200-402	TYP STEEL BEAM LINTEL WITH BRICK	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D04 / 2200-500	TYP CMU COLUMN DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 1111-111	PIPE SUPPORT DETAIL	0	7/21/2023	8/15/2023	CMAR Procurement Rev 02 20230815
D05 / 5000-001	WEIR PLATE DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-002	SELF SUPPORTED HOSE RACK	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-400	UNFRAMED ROOF OPENING	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-401	DECK OPENING REINFORCEMENT DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-402	JOIST REINFORCEMENT DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-500	PIPE RESTRAINTS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-501	SUSPENDED EQUIPMENT BRACING	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-800	SINGLE ALUMINUM HATCH	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-801	DOUBLE ALUMINUM HATCH	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-802	LADDER SAFTEY EXTENSION DEVICE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-803	LADDER RUNG DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-804	LADDER BRACELET DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-805	STANDARD LADDER DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-806	SELF CLOSING GATE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-807	LADDER BASE FLANGE DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-808	EMERGENCY LADDER DETAIL	0	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
D05 / 5000-809	ALUMINUM LADDER OVER PARAPET	0	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
D05 / 5000-900	FLOOR OPENING COVER PLATE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-901	CONNECTION DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-902	CONNECTION DETAIL NOTES	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-907	BEAM TO WALL CONNECTION DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-908	BEAM TO WALL CONNECTION DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-909	INTERIOR METAL STUD	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-912	GRATE SUPPORT CHANNEL CONNECTION DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-913	GRATE SUPPORT ANCHOR CONNECTION DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-914	BEAM TO BEAM CONNECTION DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-919A	ROOF DECK TO MASONRY WALL CONNECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-919B	ROOF DECK TO MASONRY WALL CONNECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-919C	ROOF DECK TO MASONRY WALL CONNECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5000-920	BEAM SINGLE PLATE SHEAR CONNECTION - STEEL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5100-700	TYPICAL OSHA TYPE STAIRS SIDEMOUNT BRACKET ELEVATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5100-703	HEAD OF STAIR AT LANDING PLATFORM	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5100-704	HEAD OF STAIR AT CONCRETE WALL OR SLAB	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5100-705	BASE OF STAIRS AT CONCRETE SLAB OR LANDING PAD	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5120-001	STEEL DOUBLE ANGLE BOLTED CONNECTION VERTICAL BOLT LINES	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5120-002	STEEL SINGLE PLATE SHEAR CONNECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5213-100	TEE FITTING DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5213-101	TOEBOARD DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5213-103	TYPICAL WALL RAIL DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5213-105	SIDE MOUNT BRACKET	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5213-106	STAIR STRINGER BASE FLANGE DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5213-107	BASE FLANGE DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5213-108	EXPANSION JOINT SPLICE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5213-109	EXPANSION SPLICE DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5213-113	DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5213-115	TYPICAL OSHA TYPE GATE ELEVATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5213-119	FLUSH SIDE MOUNT BRACKET	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5213-121	WALL MOUNTED PIPE SUPPORT DETAIL	0	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
D05 / 5213-600	OSHA TYPE GUARDRAIL	0	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
D05 / 5213-602	REMOVABLE SIDE FLUSH MOUNT GUARDRAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5213-701	WALL MOUNTED HANDRAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5300-901	TYPICAL GRATING AND FRAME DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5300-902	TYPICAL GRATING AND SUPPORT DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D05 / 5300-903	TYPICAL HINGED GRATING DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D06 / 8017-001	FRP STOP PLATE (HAND PULLED)	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -



# DRAWING LOG

City of Pflugerville  
Wilbarger Creek Regional Wastewater  
Treatment Facility 1

Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
D07 / 4113-001	METAL ROOFING TO MASONRY WALL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D07 / 5000-503	EAVE DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D07 / 7100-001	OVERFLOW SCUPPER FOR BUILT UP AND SINGLE PLY ROOFING	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D07 / 7100-002	ROOF DRAIN SCUPPER FOR BUILT-UP AND SINGLE PLY ROOFING	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D07 / 7100-003	CONDUCTOR HEAD	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D07 / 7100-004	DOWNSPOUT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D07 / 7100-005	PARAPET DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D07 / 7100-006	SINGLE-PLY ROOFING	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D07 / 7200-001	EQUIPMENT CURB @ SINGLE-PLY ROOFING	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 1613-100A	SINGLE FLUSH DOOR WITH VIEW PARTIAL VISION PANEL GLAZED GLASS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 1613-100B	TYP SINGLE FLUSH DOOR TYPE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 1613-100C	DOUBLE FLUSH DOORS WITH PARTIAL VISION PANELS GLAZED GLASS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 1613-100D	DOUBLE FLUSH DOORS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 1613-100E	DOUBLE FLUSH DOORS WITH PARTIAL VISION PANELS GLAZED GLASS HINED TRANSOM PANEL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 1613-100F	TYP DOUBLE FLUSH TRANSOM DOOR TYPE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 1613-100G	DOUBLE FLUSH DOORS WITH PARTIAL VISION PANELS GLAZED GLASS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 1613-100H	SINGLE FLUSH DOOR VW PARTIAL VISION PANELS GLAZED GLASS VW HINGED TRANSOM PANEL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 1613-100I	SINGLE FLUSH DOOR WITH VIEW PARTIAL VISION PANEL GLAZED GLASS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 1613-100J	SINGLE FLUSH DOOR	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 1613-100K	DOUBLE FLUSH DOORS WITH PARTIAL VISION PANELS GLAZED GLASS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 1613-100L	TYP SINGLE FLUSH MBM DOOR TYPE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 1613-100N	TYP DOUBLE FLUSH GLAZING MBM DOOR TYPE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 1613-200	TYP HEAD EXT DOOR DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 1613-201	TYPICAL PERSONEL DOOR MASONRY WALL w/VENEER	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 1613-202	TYPICAL 3'-0 TO 6'-0 DOOR HEAD EXTERIOR METAL BUILDING	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 1613-203	TYPICAL DOOR JAMB @ MASONRY WALL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 1613-204	TYPICAL DOOR JAMB @ EXTERIOR MASONRY WALL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 1613-205	TYPICAL DOOR JAMB @ EXTERIOR METAL BUILDING WALL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 1613-211	TYPICAL DOOR HEAD @ INTERIOR METAL STUD WALL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 1613-217	TYP HEAD INT CONCRETE DOOR DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 1613-218	TYPICAL JAMB @ INT CONCRETE DOOR DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 3322-100C	TYP OVERHEAD DOOR TYPE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 3323-100M	DOOR/FRAME TYPE M	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 3323-300	OVERHEAD DOOR HEAD DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 3323-301	OVERHEAD DOOR HEAD DETAIL @ METAL BUILDING	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 3323-303	TYPICAL OVERHEAD DOOR JAMB DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 3323-304	TYPICAL DOOR JAMB @ EXTERIOR METAL BUILDING WALL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 3323-306	TYP SILL EXT OVERHEAD DOOR DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 3323-307	TYPICAL DOOR JAMB @ EXTERIOR CMU	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 3323-308	OVERHEAD DOOR HEAD DETAIL @ EXTERIOR MASONRY WALL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 4113-100G	DOOR/FRAME TYPE G	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 4113-100H	DOOR/FRAME TYPE H	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 4113-100J	WINDOW FRONT DOOR & FRAME W/ TEMPERED INSULATED GLASS W/ A THERMAL BREAK	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 4113-609	TYP WINDOWSILL AT CONCRETE WALL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 4113-610	TYP WINDOWSILL AT CONCRETE WALL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 4313-500A	TYP FIXED PANE WINDOW TYPE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 4313-500B	WIRED GLASS FIXED RATED WINDOW TYPE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 4313-500C	TYP DOUBLE HUNG WINDOW TYPE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 4313-500D	WIRED GLASS FIXEDx4 RATED WINDOW TYPE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 4313-500E	DOUBLE CASEMENT SM WINDOW TYPE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 4313-500F	DOUBLE CASEMENT LG WINDOW TYPE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 4313-500G	DOUBLE STACKED CASEMENT LG WINDOW TYPE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 4313-600	TYPICAL ALUMINUM WINDOW HEAD @ EXTERIOR MASONRY WALL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 4313-601	TYPICAL ALUMINUM WINDOW HEAD @ INTERIOR MASONRY WALL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 4313-603	TYPICAL ALUMINUM WINDOW JAMB @ EXTERIOR MASONRY WALL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 4313-604	TYPICAL ALUMINUM WINDOW JAMB @ INTERIOR MASONRY WALL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 4313-606	TYPICAL ALUMINUM SILL @ EXTERIOR MASONRY WALL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 4313-607	TYPICAL ALUMINUM SILL @ INTERIOR MASONRY WALL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 4313-608	TYP WINDOWSILL AT CONCRETE WALL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 7100-206	TYP SILL EXT DOOR DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 7100-216	TYP SILL INT DOOR DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 9000-001	COMBINATION LOUVER MOUNTING DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 9000-002	STATIONARY LOUVER WITH INSULATED DAMPER	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 9000-800	TYP HEAD EXT LOUVER DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 9000-803	TYPICAL LOUVER JAMB DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D08 / 9000-806	TYP SILL EXT LOUVER DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D09 / 9723-001	NOTCH FOR COATING SYSTEM	0	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
D10 / 1014-001	WARNING SIGN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -



DRAWING LOG

Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
D10 / 1035-001	FLAGPOLE BASE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D22 / 0529-001	ADJUSTABLE FLOOR MOUNTED PIPE SUPPORT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D22 / 0529-002	FABRICATED WALL MOUNTED PIPE SUPPORT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D22 / 0529-004	WALL MOUNTED PIPE SUPPORT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D22 / 0529-006	FABRICATED POST PIPE SUPPORT	0	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
D22 / 0529-007	TRAPESE PIPE SUPPORT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D22 / 0529-008	PIPE HANGER	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D22 / 0529-010	ELBOW PIPE SUPPORT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D22 / 0529-011	STEEL ELBOW PIPE SUPPORT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D22 / 0529-012	WALL MOUNTED VERTICAL PIPE SUPPORT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D22 / 0529-017	STAINLESS STEEL STRUT CHANNEL PIPE SUPPORT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D22 / 0529-020	WALL MOUNTED VERTICAL PIPE SUPPORT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D22 / 0529-023	SPRAY NOZZLE PIPE SUPPORT	0	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
D22 / 0529-027	HANGING ROD ANCHOR - EXPANSION ANCHOR	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D22 / 0529-028	FLOOR MOUNTED PIPE SUPPORT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D22 / 0529-031	DUCT CONDENSATE DRAIN DETAIL	0	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
D22 / 0529-032	CONDENSATE DRAIN AT ODOR CONTROL BLOWER	0	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
D23 / 0000-001	DUCT HANGER SUPPORT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D23 / 0000-004	WALL EXHAUST FAN DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D23 / 0000-005	FLOOR DRAIN DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D23 / 0000-006	FLOOR CLEANOUT DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D23 / 0000-008	BRANCH TRUNK TAKEOFF	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D23 / 0529-004	WALL MOUNTED PIPE SUPPORT	1	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
D23 / 0529-005	DUCT CONNECTION TO COVERS	0	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
D23 / 0529-006	FIBERGLASS DUCT CONCRETE PENETRATION	0	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
D23 / 0900-016	WALL MOUNTED VERTICAL DUCT SUPPORT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D23 / 2318-001	TYPICAL CONDENSATE DRAIN DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D23 / 2318-002	TYPICAL CONDENSING/HEAT PUMP UNIT DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D23 / 2318-003	AUXILIARY DRAIN PAN DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D23 / 2318-004	CONDENSATE DRAIN DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D23 / 3423-007	WALL MOUNTED PROPELLER TYPE EXHAUST FAN INSTALLED IN METAL BLDG	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D23 / 5000-999	MUSHROOM VENT STYLE DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0500-001	TRANSFORMER PAD DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0515-001	TYPICAL MOTOR LEAD DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0526-003	GROUNDING SYSTEM CONNECTIONS DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0526-006	CONDUIT GROUNDING DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0526-008	GROUND ROD CONNECTION DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0526-009	GROUNDING CONDUIT SLEEVE DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0526-010	DRY TYPE DISTRIBUTION TRANSFORMER GROUNDING DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0526-011	TYPICAL COUNTERPOISE ROD INSTALLATION DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0526-012	GROUND BAR CONNECTION DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0526-013	TYPICAL GROUND ROD WITH TEST WELL INSTALLATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0529-001	CONDUIT AND JUNCTION BOX SUPPORT DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0529-002	TYPICAL PAD MOUNTING ELECTRICAL EQUIPMENT DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0529-007	DEVICE SUPPORT AND MOUNTING	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0529-008	ELECTRICAL EQUIPMENT RACK DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0529-009	TYPICAL RACK BASEPLATE DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0529-010	CONTROL STATION INSTALLATION DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0529-011	TYPICAL ELECTRICAL EQUIPMENT MOUNTING DETAIL - SIDE VIEW	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0529-012	TYPICAL ELECTRICAL EQUIPMENT MOUNTING DETAIL- FRONT VIEW	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0529-013	TYPICAL SUN SHIELD FOR CONTROL PANEL AND INSTRUMENTS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0529-014	TYPICAL UNISTRUT STAND DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0529-016	TYPICAL CONDUIT INSTALLATION AT WALKWAY DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0529-018	SLUDGE LEVEL SENSOR FLEX MOUNT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0529-020	TYPICAL INSTRUMENT SURGE PROTECTION DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0533-017	CONDUIT WALL PENETRATION SEAL DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0533-018	TYPICAL DEFLECTION COUPLING DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0533-019	SUBMERSIBLE PUMP SUPPORT DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0533-021	SUBMERSIBLE PUMP CABLE SUPPORT DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0543-012	CONCRETE ENCASED ELECTRICAL DUCT DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0543-013	UNDERGROUND DETECTABLE WARNING TAPE DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0543-014	ELECTRICAL PULLBOX DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0543-015	TYPICAL DUCTBANK SPACING AND COUPLNG DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0543-016	PRECAST PULL BOX DETAIL PREFAB	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0543-017	CABLE TERMINATING STATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0553-002	TYPICAL ENGRAVED NAMEPLATE DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0900-001	TYPICAL FLOAT TYPE LEVEL SWITCH INSTALLATION DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0900-003	LEVEL SWITCH SUPPORT BRACKET	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -



DRAWING LOG

Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
D26 / 0900-004	LEVEL SWITCH INSTALLATION - TANK DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0900-005	ULTRASONIC LEVEL ELEMENT CHANNEL MOUNTING DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0900-006	ULTRASONIC LEVEL ELEMENT INSTALLATION TANK DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0900-007	ULTRASONIC LEVEL ELEMENT INSTALLATION CONCRETE SLAB DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0900-008	LEVEL TRANSMITTER MOUNTING DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0900-009	TYPICAL SUBMERSIBLE LEVEL TRANSMITTER DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0900-010	TYPICAL TANK SUBMERSIBLE LEVEL TRANSMITTER DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0900-011	MAGMETER TYPICAL ELECTRICAL PLAN DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0900-012	MOTOR OPERATED VALVE TYPICAL ELECTRICAL DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0900-013	FILTER EFFLUENT TURBIDIMETER INSTALLATION DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0900-014	PRESSURE TRANSMITTER DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0900-015	STREAMING CURRENT SENSOR DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0900-016	DIFFERENTIAL pH INSTALLATION DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0900-017	TYPICAL METER MOTOR OPERATOR VALVE DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0900-018	TYPICAL SLUDGE PROBE/LEVEL SENSOR MOUNTING DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0900-019	TYPICAL 1756 AB PLC I_O	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0900-020	TYPICAL 1756 AB PLC I_O II	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0900-021	TYPICAL 1746 AB PLC I_O	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0900-022	TYPICAL 1746 AB PLC I_O II	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 0900-023	TYPICAL 1746 AB PLC I_O II	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 2716-013	MCC AND SWITCHGEAR MOUNTING	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 2716-014	ELECTRICAL CONCRETE HOUSEKEEPING PAD DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 2716-015	CONCRETE HOUSEKEEPING CURB DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 2913-001	PROPOSED EXHAUST FAN SCHEMATICS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 3600-001	4 POLE DRAWOUT BREAKER SERVICE ENTRANCE TRANSFER SWITCH CONNECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 3600-002	3 POLE DRAW-OUT BREAKER, SERVICE ENTRANCE, TRANSFER SWITCH CONNECTION DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 3600-003	4 POLE, SERVICE ENTRANCE TRANSFER SWITCH CONNECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 3600-004	3 POLE, SERVICE ENTRANCE,TRANSFER SWITCH CONNECTION DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 3600-005	4 POLE TRANSFER SWITCH CONNECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 3600-006	3 POLE TRANSFER SWITCH CONNECTION DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 4113-001	THRU ROOF POINT ADAPTER	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 4113-002	THRU-ROOF HVAC CONNECTIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 5600-003	TYPICAL ELEVATED CONCRETE BASE DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 5600-007	LIGHTPOLE MOUNTING ON SLAB DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D26 / 5600-008	POLE LIGHT SUPPORT BRACKET	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D31 / 000-0000	SUBGRADE DETAIL 1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D31 / 000-0001	SUBGRADE DETAIL 2	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D31 / 2316-002	PIPE BACKFILL DETAIL - 12" DIAMETER AND GREATER	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
D31 / 2323-001-TX	BEDDING BACKFILL FOR TRENCHES - LESS THAN 12" IN DIAMETER	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
D31 / 2323-002	BEDDING BACKFILL REQ AROUND MANHOLES AND OTHER DRAINAGE & SANITARY STRUCTURES	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D31 / 2323-003P	WATERLINE PERMANENT STREET REPAIR DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D31 / 2323-004P	WATERLINE TEMPORARY STREET REPAIR DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D31 / 2323-005P	TYPICAL WATERLINE TRENCH DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D31 / 2323-006P	EMBEDMENT DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D31 / 2323-007P	EMBEDMENT DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D31 / 2323-008P	EMBEDMENT DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D31 / 2323-009P	EMBEDMENT DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D31 / 2323-010P	EMBEDMENT DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D31 / 2323-011P	EMBEDMENT DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D31 / 2339-006	BURIED DUCTILE IRON PIPE THRUST RESTRAINT TABLE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D32 / 0000-002	SELF SUPPORTED HOSE RACK	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D32 / 0000-004	INTEGRAL CURB AND GUTTER	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D32 / 0000-005	PRE-CAST CONCRETE PARKING STOP	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D32 / 0000-006	PRECAST HEADWALL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D32 / 0000-007	MOW STRIP DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D32 / 0000-008	PRECAST HEADWALL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D32 / 0000-009	TYPICAL BOLLARD	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D32 / 0000-010	GUARD RAIL DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D32 / 0000-011	MOUNTED BOLLARD	0	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
D32 / 1000-001	TYPICAL SIDEWALK	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D32 / 1000-002	TYPE "A" ACCESS RAMP	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D32 / 1000-003	ACCESS RAMP	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D32 / 1216-001	TYPICAL SECTION - ASPHALT PAVEMENT TX	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D32 / 1313-001	CONCRETE FLUME DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D32 / 1313-003	CONCRETE PAVEMENT JOINTING DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D32 / 1313-009	CONCRETE DRIVEWAY DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D32 / 3113-001	TYPICAL FENCE DETAIL	0	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
D32 / 3113-003	FENCE COLUMN DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -



DRAWING LOG

Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
D32 / 3113-004	MANUAL OR AUTOMATIC SLIDING CANTILEVER	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D32 / 3113-005	DECORATIVE METAL FENCING	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D32 / 3113-006	CMU FENCE COLUMN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D32 / 3113-008	TYPICAL FENCE DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 000-001	EXTERIOR BACKFLOW PREVENTER (2" DIA. OR LESS)	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 000-002	WATER SHUTOFF/DRAIN ASSEMBLY	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 0000-003	TYPICAL WASHDOWN HOSE CONNECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 0000-004P	AUTOMATIC AIR RELEASE VALVE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 0000-005P	COMBINATION AIR RELEASE VALVE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 0000-006P	MANUAL AIR RELEASE VALVE (BELOW GRADE)	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 0000-007P	MANUAL AIR RELEASE VALVE (ABOVE GRADE)	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 0000-008P	FIRE HYDRANT ASSEMBLY DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 0000-009P	TYPICAL WATER SERVICE DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 0000-010P	TYPICAL WATER METER DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 0000-011P	INSULATOR SPACING DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 1113-001	WATER REDUCED PRESSURE BACKFLOW PREVENTER (RPBP)	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 2400-020	STEEL ENCASMENT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 3913-002	TYPE A CAST IN PLACE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 3913-003	AIR/VACUUM RELIEF VAULT PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 3913-004	TYP MANHOLE RINGS & COVERS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 3913-005	MANHOLE CORING DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 3913-006	MANHOLE HEIGHT INCREASE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 3913-007	TYPE A CAST IN PLACE MANHOLE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 3913-008	CHEMICAL INJECTION QUILL VAULT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 3923-001	STAINLESS STEEL VENT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 3923-002	STAINLESS STEEL VENT	1	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
D33 / 3923-004	AUTOMATIC AIR RELEASE VALVE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 4113-002	CROSS ANCHOR ASSEMBLY	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 4113-003	SEWER LINE & SERVICE REPAIRS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 4900-001	GRATE INLET DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 4900-002	PRECAST CURB INLET PLAN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 4900-003	TRENCH DRAIN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D33 / 8100-001	TYPICAL ANTENNA TOWER DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 0513-003	EMERGENCY EYEWASH AND SHOWER	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 0513-004	CHEMICAL FILL STATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 0513-005	PUMP SEAL WATER DETAILS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 0513-007	TYPICAL PRESSURE INDICATOR INSTALLATION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 0513-009	LADDER STOP DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2339-003	DUCTILE IRON PIPE- BURIED EXTERIOR	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2339-004	TYPICAL CLEANOUT DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2339-005	PROCESS LINE CLEAN OUT SETTING	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2339-006	INTERMEDIATE TRAP/CLEANOUT	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2339-008	PVC PIPE TO FLEXIBLE TUBING TRANSITION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2339-009	SUMP WALL PENETRATION DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2339-010	PVC CARRIER PIPE-ELBOW	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2339-011	PULL-BOX/FLEXIBLE CHEMICAL LINES	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2339-012	BURIED DUCTILE IRON PIPE THRUST RESTRAINT TABLE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2339-016	YARD HYDRANT- NON POTABLE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2339-017	HOSE BIB INSTALLATION - INTERIOR LOCATIONS	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2339-018	STANDALONE 1" YARD HYDRANT	1	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
D40 / 2343-004	MUD VALVE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2343-005	AIR VACUUM AND AIR RELEASE VALVE FOR 3" AND SMALLER	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2343-006	BURIED VALVE BOX	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2346-002	TYP. BLOCKOUT FOR STOP LOG OR GATE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2346-004	STEM GUIDE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2346-005	REMOVABLE MANUAL BAR SCREEN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2400-001	PIPE WALL PENETRATION SEAL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2400-002	WALL/FLOOR PIPE SLEEVE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2400-003	FLOOR SLEEVE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2400-004	FLOOR PIPE	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2400-006	EXPOSED EXTERIOR/INTERIOR PIPE CONNCECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2400-009	PIPE ENCASMENT1	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2400-010	DUCTILE IRON PIPE FLEXIBLE COUPLING TIE DOWN	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2400-012	CHEMICAL INJECTION QUILL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2400-013	SMOOTH NOSE SAMPLE TAP	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2400-014	CHEMICAL FLUSHING CONNECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2400-015	FLUSHING CONNECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2400-017	SCUM BEACH SPRAY DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -



DRAWING LOG

City of Pflugerville  
Wilbarger Creek Regional Wastewater  
Treatment Facility 1

Drawing No.	Drawing Title	Rev	Drawing Date	Received Date	Set Name
D40 / 2400-018	PCCP WALL CONNECTION	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2400-019	CLARIFIER WALKWAY SCUM SPRAY DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D40 / 2400-023	FLEXIBLE COUPLING	0	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
D44 / 4256-001	PUMP BASE ANCHOR AND LEVELING DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D44 / 4264-001	STRAIGHT EDGE FIBERGLASS WEIR	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D44 / 4264-002	V-NOTCHED FIBERGLASS WEIR	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
D44 / 4264-030	V-NOTCHED EFFLUENT WEIR & SCUM BAFFLE DETAIL	0	1/13/2023	6/15/2023	CMAR Procurement Rev 0 6.14.23 -
<b>STANDARD DETAILS-COPF</b>					
506S-6	STANDARD MANHOLE - PLAN (1 OF 2)	0	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
506S-6.1	STANDARD MANHOLE - SECTION (2 OF 2)	0	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
511-AW-02	FIRE HYDRANT	0	2/15/2024	2/16/2024	CMAR Procurement Rev 09 20240215
641S-1	STABILIZED CONSTRUCTION ENTRANCE	0	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
642S-1	SILT FENCE	0	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
880S-2	UNIVERSAL ANCHOR SYSTEM (TYPE III BARRICADE)	0	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305

# **Exhibit C.2 List of Specifications**



# SPECIFICATIONS

Number	Description	Rev	Issued Date	Received Date	Set
<b>Procurement and Contracting Requirements</b>					
00 00 01	CERTIFICATIONS	2	12/21/2023	12/21/2023	CMAR Procurement Rev 08 20231221
00 00 10	TABLE OF CONTENTS	2	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
<b>APPX - Equipment and Reference Documents</b>					
0-APPX-A	APPENDIX A - COMMISSIONING AND START UP PLAN	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
0-APPX-B	APPENDIX B - UV EQUIPMENT PRE-PROCUREMENT DOCUMENTS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
0-APPX-C	APPENDIX C - ELECTRICAL EQUIPMENT PRE-PROCUREMENT DOCUMENTS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
0-APPX-D	APPENDIX D - GENERATOR PRE-PROCUREMENT DOCUMENTS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
<b>PART A - CIP Standard General Requirements</b>					
CIP 01	DEFINITIONS OF TERMS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
CIP 02	ABBREVIATIONS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
CIP 03	SUMMARY OF WORK	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
CIP 04	SITE CONDITIONS AND USE	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
CIP 05	CONTRACTOR USE OF PREMISES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
CIP 06	CONTROL OF WORK	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
CIP 07	CONTROL OF MATERIALS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
CIP 08	LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
CIP 09	ENVIRONMENTAL PROTECTION PROCEDURES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
CIP 10	SUBMITTALS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
CIP 11	TRENCH SAFETY REQUIREMENTS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
CIP 12	TESTING OF PIPELINES AND MANHOLES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
CIP 13	SUMMARY OF TESTING (MISCELLANEOUS)	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
CIP 14	PROJECT CLOSEOUT	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
CIP 15	PROJECT IDENTIFICATION SIGNAGE	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
CIP 16	RESERVED	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
CIP 17	INSPECTION OF PROJECTS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
<b>Part B - City of Pflugerville Engineering Specifications</b>					
130S	BORROW	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
132S	EMBANKMENT	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
202S	LIME	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
203S	LIME TREATMENT FOR MATERIALS IN PLACE	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
220S	SPRINKLING FOR DUST CONTROL	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
230S	ROLLING (FLAT WHEEL)	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
232S	ROLLING (PNEUMATIC TIRE)	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
234S	ROLLING (TAMPING)	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
236S	PROOF ROLLING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
503S	FRAMES, GRATES, RINGS, AND COVERS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
504S	ADJUSTING STRUCTURES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
505S	EXCAVATION SAFETY SYSTEMS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
506S	MANHOLES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23



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Number	Description	Rev	Issued Date	Received Date	Set
591S	RIPRAP FOR SLOPE PROTECTION	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
601S	SALVAGING AND PLACING TOPSOIL	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
602S	SODDING FOR EROSION CONTROL	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
604S	SEEDING FOR EROSION CONTROL	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
606S	FERTILIZER	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
639S	ROCK BERM	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
641S	STABILIZED CONSTRUCTION ENTRANCE	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
642S	TEMPORARY EROSION AND SEDIMENT CONTROL	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
701S	FENCING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
702S	REMOVAL AND RELOCATION OF EXISTING FENCES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
703S	FENCING FOR EXCAVATIONS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
725S	SURVEY MARKERS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
801S	CONSTRUCTING A DETOUR	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
802S	PROJECT SIGNS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
803S	BARRICADES, SIGNS, AND TRAFFIC HANDLING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
824S	TRAFFIC SIGNS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
860S	PAVEMENT MARKING PAINT	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
862S	TEMPORARY REMOVABLE PAVEMENT MARKINGS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
863S	REFLECTORIZED PAVEMENT MARKERS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
867S	EPOXY ADHESIVE	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
870S	WORK ZONE PAVEMENT MARKINGS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
871S	REFLECTORIZED PAVEMENT MARKINGS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
873S	RAISED PAVEMENT MARKERS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
874S	ELIMINATING EXISTING PAVEMENT MARKINGS AND MARKERS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
875S	PAVEMENT SURFACE PREPARATION FOR MARKINGS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
876S	DELINEATOR AND OBJECT MARKER ASSEMBLIES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
<b>01 - General Requirements</b>					
01 11 00	SUMMARY OF WORK	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
01 11 10.1	SUMMARY OFWORK - ATTACHMENT-A	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 11 20	PROPOSAL ALTERNATES	1	9/20/2023	9/20/2023	CMAR Procurement Rev 04-(Caisson Design) 20230920
01 11 60	PROJECT MANUAL LANGUAGE	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 14 00	WORK RESTRICTIONS	1	5/7/2024	5/20/2024	CMAR Procurement Rev 11 20240520
01 22 00	Unit Prices	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 26 00	CONTRACT MODIFICATION PROCEDURES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 29 00	PAYMENT PROCEDURES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 31 00	PROJECT MANAGEMENT AND COORDINATION	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 31 19	PROJECT MEETINGS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 32 00	CONSTRUCTION PROGRESS DOCUMENTATION	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 32 90	SAFETY PLAN	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 33 00	SUBMITTAL PROCEDURES	2	5/7/2024	5/20/2024	CMAR Procurement Rev 11 20240520



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Number	Description	Rev	Issued Date	Received Date	Set
01 34 00	PHOTOGRAPHIC AND VIDEOGRAPHIC DOCUMENTATION	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 35 00	SPECIAL PROCEDURES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 35 20	ALTERATION PROJECT PROCEDURES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 40 00	QUALITY REQUIREMENTS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 41 00	REGULATORY REQUIREMENTS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 41 26	STORMWATER POLLUTION PREVENTION CONSTRUCTION ACTIVITY - BEST MANAGEMENT PRACTICES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 42 00	REFERENCES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 45 24	SPECIAL TESTS AND INSPECTIONS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 50 00	TEMPORARY FACILITIES AND CONTROLS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 56 40	CONTROL OF GROUND AND SURFACE WATER	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 60 00	PRODUCT REQUIREMENTS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 72 20	FIELD ENGINEERING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 73 20	CUTTING AND PATCHING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 73 40	WORK WITHIN PUBLIC RIGHT-OF-WAY	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 73 80	SELECTIVE DEMOLITION	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 75 00	WARRANTIES AND BONDS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 75 60	TESTING, TRAINING, AND FACILITY START-UP	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 77 00	CLOSEOUT PROCEDURES	1	2/15/2024	2/16/2024	CMAR Procurement Rev 9 20240215
01 78 23	OPERATION AND MAINTENANCE DATA	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 79 00	OPERATIONS AND MAINTENANCE TRAINING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 81 00	PROJECT DESIGN CRITERIA	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 81 02	SEISMIC DESIGN CRITERIA	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
01 81 04	WIND DESIGN CRITERIA	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
<b>02 - Existing Conditions</b>					
02 41 00	DEMOLITION	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
<b>03 - Concrete</b>					
03 01 00	MAINTENANCE OF CONCRETE	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
03 10 00	CONCRETE FORMING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
03 10 01	VOID FORMS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
03 15 00	CONCRETE JOINTS AND ACCESSORIES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
03 20 00	CONCRETE REINFORCING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
03 30 00	CAST-IN-PLACE CONCRETE	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
03 35 00	CONCRETE FINISHING	1	2/15/2024	2/16/2024	CMAR Procurement Rev 9 20240215
03 39 00	CONCRETE CURING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
03 41 00	PRECAST STRUCTURAL CONCRETE	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
03 62 00	NON-SHRINK GROUTING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
03 63 00	CONCRETE DOWELING - EPOXY	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
03 64 00	CONCRETE REPAIR CRACK INJECTION	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
<b>04 - Masonry</b>					
04 20 00	UNIT MASONRY	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23



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Number	Description	Rev	Issued Date	Received Date	Set
04 26 13	MASONRY VENEER	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
<b>05 - Metals</b>					
05 05 19	POST-INSTALLED ANCHORS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
05 05 23	WELDING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
05 12 00	STRUCTURAL STEEL	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
05 21 00	STEEL JOIST FRAMING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
05 31 00	STEEL DECK	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
05 40 00	COLD-FORMED METAL FRAMING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
05 50 00	METAL FABRICATIONS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
05 51 00	METAL STAIRS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
05 52 13	PIPE AND TUBE RAILINGS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
05 53 00	METAL GRATINGS AND PLANK	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
<b>06 - Wood, Plastics, and Composites</b>					
06 10 00	ROUGH CARPENTRY	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
06 16 00	SHEATHING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
06 17 53	SHOP-FABRICATED WOOD TRUSSES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
06 22 00	CABINETWORK	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
06 40 00	ARCHITECTURAL WOODWORK	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
06 41 16	PLASTIC LAMINATE COVERED CABINETWORK	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
06 53 00	FIBERGLASS REINFORCED PLASTIC (FRP) GRATING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
06 60 00	SOLID SURFACING FABRICATIONS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
06 61 00	FIBERGLASS REINFORCED PLASTIC (FRP) FABRICATIONS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
<b>07 - Thermal and Moisture Protection</b>					
07 21 00	THERMAL INSULATION	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
07 27 26	FLUID-APPLIED MEMBRANE AIR BARRIERS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
07 41 13	METAL ROOF, WALL, AND SOFFIT PANELS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
07 41 16	INSULATED METAL ROOF PANELS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
07 42 13	METAL WALL PANELS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
07 42 43	INSULATED METAL WALL PANELS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
07 53 00	SINGLE PLY EPDM ROOFING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
07 62 00	SHEET METAL FLASHING AND TRIM	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
07 71 00	MANUFACTURED ROOF SPECIALTIES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
07 72 00	ROOF ACCESSORIES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
07 84 00	FIRESTOPPING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
07 92 00	JOINT SEALANTS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
<b>08 - Openings</b>					
08 11 13	STEEL DOORS AND FRAMES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
08 16 13	FIBERGLASS REINFORCED PLASTIC DOORS AND FRAMES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
08 31 00	ALUMINUM HATCHES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
08 33 23	INSULATED OVERHEAD COILING DOORS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23



# SPECIFICATIONS

City of Pflugerville  
 Wilbarger Creek Regional Wastewater  
 Treatment Facility 1

Number	Description	Rev	Issued Date	Received Date	Set
08 41 13	ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
08 51 13	ALUMINUM WINDOWS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
08 71 00	DOOR HARDWARE	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
08 79 13	KEY STORAGE CABINETS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
08 80 00	GLAZING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
08 90 00	LOUVERS AND VENTS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
<b>09 - Finishes</b>					
09 22 16	NON-STRUCTURAL METAL FRAMING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
09 29 00	GYPSUM BOARD	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
09 30 13	TILING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
09 51 13	ACOUSTICAL PANEL CEILINGS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
09 65 13	RESILIENT BASE AND ACCESSORIES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
09 65 36	STATIC-CONTROL RESILIENT FLOORING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
09 67 23	EPOXY RESINOUS FLOORING SYSTEM	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
09 67 24	STATIC DISSIPATIVE EPOXY RESINOUS FLOORING SYSTEM	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
09 68 13	TILE CARPETING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
09 90 00	PAINTING AND PROTECTIVE COATINGS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
09 90 35	ARCHITECTURAL PAINTING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
<b>10 - Specialties</b>					
10 21 13	PLASTIC TOILET PARTITIONS, PLASTIC LOCKERS, AND BENCHES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
10 22 13	WIRE MESH PARTITIONS AND DOORS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
10 28 00	TOILET AND BATH ACCESSORIES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
10 43 00	INTERIOR SIGNAGE	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
10 43 60	EXTERIOR POST AND PANEL SIGNS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
10 44 13	FIRE PROTECTION CABINETS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
10 44 16	FIRE EXTINGUISHERS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
10 53 00	CANOPY	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
<b>11 - Equipment</b>					
11 30 13	APPLIANCES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
11 53 00	LABORATORY GLASSWARE WASHER/DRYER EQUIPMENT	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
11 53 02	WATER LABORATORY EQUIPMENT	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
11 53 63	REFRIGERATED SAMPLER EQUIPMENT	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
<b>12 - Furnishings</b>					
12 21 13	HORIZONTAL LOUVER BLINDS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
12 35 53.19	LABORATORY CASEWORK	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
12 48 13	ENTRANCE FLOOR MATS AND FRAMES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
12 51 00	FURNITURE AND FURNISHINGS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
<b>13 - Special Construction</b>					
13 20 03	WIRE-WOUND PRESTRESSED CONCRETE TANK	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
13 20 04	INTERNAL TENDON POST-TENSIONED CONCRETE TANK-PERFORMANCE	0	12/21/2023	12/21/2023	CMAR Procurement Rev 6 20231221



# SPECIFICATIONS

Number	Description	Rev	Issued Date	Received Date	Set
13 34 23	PREFABRICATED STRUCTURES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
13 34 23.13	ONE PIECE FIBERGLASS COMPOSITE MOLDED SHELTER	1	8/16/2023	8/23/2023	CMAR Procurement Rev 03 20230823
<b>14 - Conveying Equipment</b>					
14 21 16	MONORAIL WITH ELECTRIC HOIST AND TROLLEY	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
<b>22 - Plumbing</b>					
22 05 00	PLUMBING GENERAL	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
22 05 13	PLUMBING EQUIPMENT	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
22 05 29	PROCESS SUPPORTS AND ANCHORS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
22 05 53	MECHANICAL IDENTIFICATION	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
22 07 00	PLUMBING INSULATION	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
22 11 00	VALVES, HYDRANTS, AND ACCESSORIES	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
22 11 19	PLUMBING SPECIALTIES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
22 13 16	SANITARY WASTE AND VENT PIPING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
22 40 00	PLUMBING FIXTURES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
22 45 00	EMERGENCY PLUMBING FIXTURES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
<b>23 - Heating, Ventilating, and Air Conditioning (HVAC)</b>					
23 05 00	COMMON WORK RESULTS FOR MECHANICAL	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
23 05 29	HANGERS AND SUPPORTS FOR MECHANICAL PIPING AND EQUIPMENT	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
23 05 46	COATINGS FOR HVAC	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
23 05 53	IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
23 05 96	TESTING, ADJUSTING, AND BALANCING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
23 07 00	DUCTWRAP INSULATION	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
23 07 13	MECHANICAL INSULATION	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
23 09 00	INSTRUMENTATION AND CONTROL FOR HVAC	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
23 23 00	REFRIGERANT PIPING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
23 31 13	METAL DUCTS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
23 33 00	AIR DUCT ACCESSORIES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
23 34 23	FANS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
23 37 13	AIR OUTLETS AND INLETS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
23 74 16.11	PACKAGED, SMALL-CAPACITY, ROOFTOP AIR CONDITIONING UNITS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
23 81 26	SPLIT-SYSTEM AIR-CONDITIONING UNITS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
23 83 01	HEATING UNITS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
<b>26 - Electrical</b>					
26 00 00	ELECTRICAL – GENERAL PROVISIONS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 05 13	MEDIUM VOLTAGE CABLES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 05 19	LOW VOLTAGE WIRES AND CABLES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 05 26	GROUNDING AND BONDING SYSTEM	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 05 29	ELECTRICAL SUPPORT HARDWARE	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 05 33	RACEWAY, BOXES, ENCLOSURES, AND FITTINGS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 05 36	CABLE TRAY	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23



# SPECIFICATIONS

City of Pflugerville  
 Wilbarger Creek Regional Wastewater  
 Treatment Facility 1

Number	Description	Rev	Issued Date	Received Date	Set
26 05 43	UNDERGROUND SYSTEM	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 05 50	NEMA FRAME INDUCTION MOTORS, 600 VOLTS AND BELOW	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 05 73	POWER SYSTEM STUDY	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 12 19	PAD-MOUNTED TRANSFORMERS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 12 22	MEDIUM VOLTAGE PAD-MOUNTED CABLE SWITCHING AND TERMINATING STATIONS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 13 13	MEDIUM VOLTAGE METAL-CLAD SWITCHGEAR	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 22 13	DISTRIBUTION DRY-TYPE TRANSFORMERS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 24 13	LOW VOLTAGE DISTRIBUTION SWITCHBOARDS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 24 16	PANELBOARDS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 24 19	LOW VOLTAGE MOTOR CONTROL CENTERS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 27 13	POWER METERING AND PROTECTIVE RELAYS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 27 26	LIGHT SWITCHES AND RECEPTACLES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 28 16	LOW VOLTAGE ENCLOSED CIRCUIT BREAKERS AND DISCONNECT SWITCHES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 29 23	LOW VOLTAGE VARIABLE FREQUENCY DRIVES (VFDS)	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 29 87	ELECTRICAL CONTRACTOR PROVIDED CONTROL PANELS (ECPS)	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 32 13	ENGINE GENERATOR	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 32 13.1	ENGINE GENERATOR SET	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 33 53	SINGLE PHASE UNINTERRUPTIBLE POWER SUPPLY	0	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
26 41 00	LIGHTNING PROTECTION SYSTEM	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 41 19	ELECTRICAL DEMOLITION	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 43 13	LOW VOLTAGE AC SURGE SUPPRESSION DEVICES (SPDS)	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
26 50 00	LED LIGHTING SYSTEM	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
<b>28 - Electronic Safety and Security</b>					
28 10 00	INTEGRATED SECURITY SYSTEMS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
<b>31 - Earthwork</b>					
31 05 19.13	GEOTEXTILE FILTER FABRIC	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
31 11 00	SITE PREPARATION	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
31 22 13	SUBGRADE PREPARATION	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
31 22 19	GRADING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
31 23 16	EXCAVATION	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
31 23 16.13	TRENCHING FOR SITE UTILITIES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
31 23 19	DEWATERING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
31 23 23.13	FILL AND BACKFILL	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
31 23 23.16	TRENCH BACKFILL	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
31 23 23.33	FLOWABLE FILL	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
31 32 00	SOIL EROSION STABILIZATION	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
31 50 00	EXCAVATION SUPPORT SYSTEMS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
31 63 29	DRILLED CONCRETE PIERS AND SHAFTS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
31 64 00	INFLUENT LIFT STATION CAISSON	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04-(Caisson Design) 20230920
31 65 00	CONTROL OF GROUND WATER & SURFACE WATER FOR CAISSON	0	9/20/2023	9/20/2023	CMAR Procurement Rev 04-(Caisson Design) 20230920



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31 66 00	GEOTECHNICAL INSTRUMENTATION AND MONITORING	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
<b>32 - Exterior Improvements</b>					
32 10 00	CONCRETE SIDEWALKS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
32 11 00	BASE COURSE	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
32 12 16	ASPHALT CONCRETE PAVEMENT	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
32 13 13	PORTLAND CEMENT CONCRETE PAVING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
32 31 13	Chain Link Fences and Gates	0	2/15/2024	2/16/2024	CMAR Procurement Rev 9 20240215
32 31 13.53	POWER GATE OPERATORS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
32 84 23	LANDSCAPE IRRIGATION SYSTEM	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
<b>33 - Utilities</b>					
33 05 16	UNDERGROUND ELECTRICAL DUCTS AND MANHOLES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
33 13 00	DISINFECTION OF WATER SYSTEMS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
33 31 13	STEEL ENCASEMENT PIPE	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
33 31 26	TESTING WATER DISTRIBUTION SYSTEMS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
33 39 13.13	PRECAST CONCRETE MANHOLES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
33 39 16	FIBERGLASS MANHOLES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
33 39 17	POLYMER CONCRETE MANHOLES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
33 39 23	MANHOLE AND CLEANOUT CONSTRUCTION	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
33 41 13	CENTRIFUGALLY CAST FIBERGLASS REINFORCED POLYMER MORTAR PIPE	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
33 42 00	CULVERT PIPING AND APPURTENANCES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
33 84 23	IRRIGATION SPRINKLERS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
33 84 26	SPRINKLER ASSEMBLY	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
<b>40 - Process Interconnections</b>					
40 05 00	PIPING SYSTEMS TESTING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 05 13	COMMON WORK RESULTS FOR PROCESS PIPING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 05 36.13	FIBERGLASS REINFORCED PLASTIC PIPE AND ACCESSORIES FOR ODOR CONTROL	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 23 39	PROCESS PIPING – GENERAL	1	2/15/2024	2/16/2024	CMAR Procurement Rev 9 20240215
40 23 39.1	PROCESS PIPING SCHEDULE	2	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
40 23 39.13	DUCTILE IRON PIPE AND FITTINGS	1	2/15/2024	2/16/2024	CMAR Procurement Rev 9 20240215
40 23 39.16	WELDED STEEL PIPE AND FITTINGS - GENERAL SERVICES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 23 39.36	STAINLESS STEEL PIPE AND FITTINGS - GENERAL SERVICES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 23 39.40	C900 AND C905 PVC PIPE AND FITTINGS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 23 39.41	PVC SEWER PIPE	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 23 39.43	POLYVINYL CHLORIDE (PVC) PIPE AND FITTINGS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 23 39.46	CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPE AND FITTINGS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 23 39.56	HIGH DENSITY POLYETHYLENE (HDPE) PIPE AND FITTINGS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 23 39.59	DOUBLE WALL CONTAINMENT PIPING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 23 39.63	REINFORCED CONCRETE PIPE AND FITTINGS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 23 39.76	PVC TUBING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 23 43	PROCESS VALVES	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305



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40 23 43.1	POWER OPERATED VALVE SCHEDULE	3	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
40 23 43.2	SELF CONTAINED VALVE SCHEDULE	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 23 43.3	SOLENOID OPERATED VALVE SCHEDULE	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 23 46	FABRICATED SLIDE AND SLUICE GATES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 23 46.1	FABRICATED STAINLESS STEEL 316 GATE SCHEDULE	3	5/7/2024	5/20/2024	CMAR Procurement Rev 11 20240520
40 24 00	PROCESS PIPING SPECIALTIES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 41 13	HEAT TRACING	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
40 42 00	PROCESS MECHANICAL INSULATION	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
40 42 13.16	POLYETHYLENE ENCASEMENT FOR DUCTILE IRON AND CAST IRON PIPE	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 61 00	INSTRUMENTATION AND CONTROLS - GENERAL PROVISIONS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 61 21	TESTING AND SYSTEM COMMISSIONING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 61 26	INSTRUMENTATION SYSTEM TRAINING	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 61 93	PROCESS CONTROL SYSTEM INPUT OUTPUT LIST	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
40 61 96	PROCESS CONTROL DESCRIPTIONS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 63 00	PROGRAMMABLE LOGIC CONTROLLERS (PLCS)	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 66 33	FIBER OPTIC DATA NETWORK	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 67 00	INSTRUMENTATION CONTROL PANELS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 68 60	APPLICATION SERVICES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 71 01	FIELD INSTRUMENTATION SCHEDULE	1	3/5/2024	3/5/2024	CMAR Procurement Rev 10 20240305
40 71 13	ANALYTICAL INSTRUMENTS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 71 17	FLOW INSTRUMENTS	1	2/15/2024	2/16/2024	CMAR Procurement Rev 9 20240215
40 71 20	TEMPERATURE INSTRUMENTS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 72 00	LEVEL INSTRUMENTS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 73 00	PRESSURE INSTRUMENTS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 78 00	PANEL MOUNTED CONTROL DEVICES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 91 23	PARSHALL FLUME	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 92 13	MOTORIZED OPERATORS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 92 16	MANUAL VALVE AND GATE OPERATORS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
40 94 33	HUMAN MACHINE INTERFACE (HMI) AND NETWORK EQUIPMENT	1	2/15/2024	2/16/2024	CMAR Procurement Rev 9 20240215
40 95 46	INSTRUMENT SUPPORT HARDWARE	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
<b>41 - Material Processing and Handling Equipment</b>					
41 21 13.13	BRIDGE CRANE	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
41 22 10.10	JIB CRANES	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
<b>43 - Process Gas and Liquid Handling, Purification, and Storage Equipment</b>					
43 22 23	CENTRIFUGE EQUIPMENT	2	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
43 41 16	FILAMENT-WOUND FIBERGLASS REINFORCED PLASTIC TANKS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
43 41 16.1	FILAMENT-WOUND FRP TANK NO. 1	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
43 41 16.2	FILAMENT-WOUND FRP TANK NO. 2	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
43 41 16.3	FILAMENT-WOUND FRP TANK NO. 3	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
43 41 16.4	FILAMENT-WOUND FRP TANK NO. 4	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23



# SPECIFICATIONS

Number	Description	Rev	Issued Date	Received Date	Set
<b>44 - Pollution and Waste Control Equipment</b>					
44 11 19.10	ALUMINUM COVERS FOR ODOR CONTROL	2	2/15/2024	2/16/2024	CMAR Procurement Rev 9 20240215
44 23 23	VORTEX GRIT REMOVAL EQUIPMENT	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 31 21	BIOFILTER ODOR CONTROL SYSTEM	1	6/23/2023	8/4/2023	CMAR Procurement Rev 01 20230630
44 31 21.01	HIGH PLUME DILUTION STACK	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 31 83	ADJUSTING AND BALANCING ODOR CONTROL SYSTEMS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 13	FINE BUBBLE FIXED-GRID AERATION EQUIPMENT	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 19.10	POSITIVE DISPLACEMENT BLOWERS	1	12/21/2023	12/21/2023	CMAR Procurement Rev 05 20231221
44 42 19.10	POSITIVE DISPLACEMENT BLOWERS DATA SHEET	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 19.20	MULTISTAGE CENTRIFUGAL BLOWERS	1	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
44 42 19.20	MULTISTAGE CENTRIFUGAL BLOWERS DATA SHEET	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 20.2	ASHT JET AERATION BLOWERS DATA SHEET	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 20.13	AERATION BLOWER CONTROL SYSTEMS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 23	SPIRAL TYPE CLARIFIER MECHANISMS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 23.1	SECONDARY CLARIFIER MECHANISMS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 27.19	MECHANICAL SCREEN AND WASHER COMPACTOR SYSTEM	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 27.19	SCREEN SYSTEM-SCREEN DRIVE MOTOR	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 27.19	SCREEN SYSTEM-WASHER COMPACTOR	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 40	GRIT WASHER	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 46.23	SUBMERSIBLE MIXERS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 46.23	ANAEROBIC SUBMERSIBLE MIXERS DATA SHEET	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 46.23	ANOXIC SUBMERSIBLE MIXERS DATA SHEET	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 46.23	SWING SUBMERSIBLE MIXERS DATA SHEET	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 56.23	VERTICAL TURBINE PUMPS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 56.23	VERTICAL TURBINE PUMPS DATA SHEET	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 56.29	SUBMERSIBLE PUMPS GENERAL	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 56.29	INFLUENT LIFT ADF SUBMERSIBLE PUMP(S)	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 56.29	INFLUENT LIFT STATION LOW ADF SUBMERSIBLE PUMP(S)	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 56.40	AXIAL FLOW PUMPS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 56.40	AXIAL FLOW PUMPS DATA SHEET	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 56.43	HORIZONTAL END SUCTION CENTRIFUGAL PUMPS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 56.43	RAS PUMP(S) DATA SHEET 1	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 56.43	RAS PUMP(S) DATA SHEET 2	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 56.43	WAS PUMP(S) DATA SHEET	1	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
44 42 56.53	PROGRESSING CAVITY PUMPS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 56.53	PROGRESSING CAVITY PUMPS DATA SHEET	2	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
44 42 56.60	INDUCED FLOW (RECESSED IMPELLER) CENTRIFUGAL PUMPS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 56.60	INDUCED FLOW (RECESSED IMPELLER) DS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 56.63	SELF-PRIMING CENTRIFUGAL PUMP(S)	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 56.63	RAS SELF PRIMING CENTRIFUGAL PUMPS DATA SHEET 1	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23



## SPECIFICATIONS

City of Pflugerville  
 Wilbarger Creek Regional Wastewater  
 Treatment Facility 1

Number	Description	Rev	Issued Date	Received Date	Set
44 42 56.63	RAS SELF PRIMING CENTRIFUGAL PUMPS DATA SHEET 2	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 56.63	WAS SELF PRIMING PUMPS DATA SHEET	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 42 64	WEIRS AND BAFFLES	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 43 43	UV WEIR TROUGHS	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 44 20	CHEMICAL FEED SYSTEM	1	8/16/2023	8/23/2023	CMAR Procurement Rev 03 20230823
44 44 20.1	CHEMICAL FEED PUMPS - SODIUM HYPOCHLORITE	1	8/16/2023	8/23/2023	CMAR Procurement Rev 03 20230823
44 44 20.2	CHEMICAL FEED PUMPS - ALUMINUM SULFATE	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 44 20.3	CHEMICAL FEED PUMPS - DEWATERING POLYMER	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 44 20.4	CHEMICAL FEED PUMPS - POLYMER FEED PUMP	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 44 63.16	LIQUID POLYMER FEED SYSTEM	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 44 73	ULTRAVIOLET DISINFECTION SYSTEM	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 45 19	POST AERATION SYSTEM	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 45 20	JET AERATION SYSTEM	1	7/7/2023	8/15/2023	CMAR Procurement Rev 02 20230815
44 45 20.1	ASHT RECIRCULATION PUMP DATA SHEET	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23
44 61 15	SYNTHETIC MEDIA DISK FILTER - OUTSIDE IN FILTRATION	0	6/14/2023	6/15/2023	CMAR Procurement 6.14.23

# **Exhibit C.3      Assumptions and Clarifications**



## GMP 2 Assumptions and Clarifications

Type	Source (Location/Package)	GMP 2 Description
Finishes	All Packages	Epoxy Novolac coatings are included for the following headworks areas : all Upper level Channels, Grit Chambers, Influent and Effluent Boxes; Aeration Basin Inlet Splitter Box per addendum #6 RFI responses.
Finishes	All Packages	There are no additional protective coatings included for galvanized steel.
Not named Manufacturer	All Packages	Monorails and hoists included are manufactured by Harrington. Detroit will manufacture the wire rope hoist/trolley.
	All Packages	All excavated material is to remain on site. In the event that excavated material is required to be hauled off-site for disposal, costs will first be covered by Allowance 3.01 - Soils Handling, if available. If allowance funds have been expended, then project Contingency will be used to cover the soils hauling and disposal costs.
Biofilter Vessel	BOP1-01.01 - Area 1 - Influent Facilities	A containment liner for the biofilter was not specified. BLT Liners PP-45 Containment Liner is included.
Access hatches	BOP1-01.01 - Area 1 - Influent Facilities	Hinge access for Aluminum cover hatches utilize an integral single solid extrudes hinge flush with the top of cover panel.
	BOP1-01.01 - Area 1 - Influent Facilities	Dewatering will occur only within the caisson during installation.
Div 5 Materials	BOP1-01.01 - Area 1 - Influent Facilities	Pipe support structures and monorail structural support system on the top of Influent Lift Station are to be galvanized and pipe supports within the Influent Lift Station wet well vertical pipe structural support is to be Stainless Steel 316
	BOP11-01.01 - HVAC - Site Wide	Wind-rated / seismic-rated curbs or equipment stands, sloped or acoustical roof curbs and External vibration isolation are excluded for HVAC.
Material	BOP2-01.01 - Area 2 - Aeration Facilities	Overhead pipe supports from the Aeration Basin to the Aeration Blower Facility are to be galvanized.
Stators	BOP3-01.01 - Area 3, 4, & 5 - Secondary, Tertiary, & Solids Facilities	Progressing Cavity Pumps manufacturer, NETZSCH to provide stators with integrally molded seals.
	BOP6-01.01 - Area 6 - Commercial Buildings	For Commercial facilities, no additional permits, ADA review, nor asbestos survey are included.
	BOP6-01.01 - Area 6 - Commercial Buildings	Fire alarm installation, connections to the fire alarm system and installation of fire sprinkler system are excluded.
	BOP7-01.01 - Yard Piping	All Process Drains (PD) included in package are not restrained and cement line pipe.
	BOP7-01.01 - Yard Piping	The largest size manufactured for ductile iron pipe is 54". Where CELDI pipe is called out (FE), CCFRPM is included.
	BOP7-01.01 - Yard Piping	Installation of a Trench Plug every 300 feet using excavated onsite fat clay material as per Garver Detail (D31-2316-002) is included.
	BOP8-01.01 - Electrical and Instrumentation & Control	NETA 3rd Party Independent Testing is not required in specifications and is excluded.
	All Packages	All Design Revisions issued through the date of the final GMP proposal revision (5/22/24) are part of the contract documents included in GMP2 Proposal.