PSE | +6

Memo

To: Patricia Davis, P.E., Brad Marshall **From:** Jonathan Tran, P.E. / Charles Cameron

Copy: Matt Gaughan, P.E. **Date:** June 11, 2020

Subject: CWWTP1 Change Order 0001

For the Central Wastewater Treatment Plant Expansion project, the Owner's Representative Team recommends approval of the attached Change Order 0001 in the amount of \$288,607.76 and 34 additional days to the contract with BAR Constructors, Inc. for the nine items in Table 1 below.

The current contract price is \$41,863,737.95 and the revised total not to exceed contract price, including this change order, will be \$42,152,345.71. The current contract Substantial Completion date is 10/12/2021, and the revised contract Substantial Completion date will be 11/15/2021.

Item No.	Description	Net Change in Cost	Net Change in Time	Change Order Code
1	CP001 – Phosphorus Analyzer Building and Relocation	\$71,226.21	21 days	R
2	CP001 – Clarifier No. 3 Sump Pit and Drain	\$20,572.07		F
3	CP001 - UV Basin - Additional Structural Supports	\$31,777.04		F/D
4	CP001 – PC Pump Containment Curb and Blower Header Rehab	\$16,897.39		R
5	CP002 – Thoroseal Coating on Headworks and Influent PS	\$30,860.89	7 days	Е
6	CP003 - BNR, IPS, and HW - Additional Structural Supports	\$20,586.03	0 days	F/D
7	CP0005 – Temporary Communications for Administration Building and Filed Operations Building	\$7,299.50	0 days	S
8	CP0006 – 60" Hobas Pipe at Mixed Liquor Junction/Splitter Box	(\$7,626.27)	0 days	E
9	CP0007 Temporary Lift Station for Project Charm/SH130	\$97,014.89	6 days	R
Total	Net Change to Contract	\$288,607.76	34 days	

Item No. 1: CP001 Phosphorus Analyzer Building and Relocation *R- Owner Requested*

The City Plant staff requested the Engineer provide modifications after the bid of the project to relocate the existing phosphorus building adjacent to the Aeration Basin #1 and provide a new phosphorus analyzer and turbidimeter building adjacent to the Effluent Filter Basin. This is needed to ensure the Plant stays in compliance with their TCEQ Permit Restrictions. The scope of work includes a new building slab, new fiberglass building, relocation of sample piping, instrumentation, HVAC equipment, process piping, electrical and other miscellaneous modifications.

Item No. 2: CP001 Clarifier No .3 Sump Pit and Drain Piping *F- Field Detailed Design*

During the submittal review phase of the Clarifier No. 3 equipment, the selected manufacturer, required the Engineer to change the location of the drain as shown on their contract documents. This was required to comply with the specific manufacturer equipment requirements. The scope of work includes a new clarifier sump pit, a new 8-inch PVC drain line, and cleanouts.

Item No. 3: CP001 Structural Support Changes *F- Field Detailed Design / D – Design Issues*

During the submittal review phase of the gratings and canopy at the UV Filter, there were questions regarding spacings of beams and canopy purlins and the extent of grating over the UV Structure finger weirs. The Engineer confirmed additional grating requirements and clarified the number and spacing of purlins required for the UV Structure Canopy. This required the metal subcontractor to provide more beams than shown on the contract drawings. The scope of work required is for additional beams, embedments and other miscellaneous metals.

Item No. 4: CP001 PC Pump Containment Curb and Blower Header Rehab – R- Owner Requested

The City Plant staff requested the Engineer provide modifications after the bid of the project to install a concrete containment curb around the progressive cavity pumps and replace the leaking valves in the solids handling area. This work will contain a spill from the pumps and repair the leaking lines of the sludge holding tank air header. This scope of work includes concrete surface preparation, rebar dowels and epoxy, waterstop, concrete curb, valves, couplings, and other miscellaneous piping appurtenances.

Item No. 5: CP0002 Thoroseal Coating on Headworks and Influent Pump Station *E- Value Engineering / Enhancement*

During the review of concrete specifications for concrete pours, BAR indicated that they saw a waterproofing specification but there were no callouts in the plans/sections to were waterproofing was to be placed. BAR asked the Engineer if they would like to apply the exterior waterproofing to any of the structures prior to performing the work. The Engineer recommended to apply the waterproofing to the influent lift station and headworks building as these are the most susceptible to corrosion by the incoming wastewater. The scope of work includes surface preparation, material, and application of Thoroseal coating.

Item No. 6: CP003 Structural Support Changes F- Field Detailed Design / D – Design Issues

During the submittal review phase of the gratings at the Influent Filter and RAS Splitter Box, Headworks and BNR there was a Request for Information (RFI0009) regarding spacing of beams. The Engineer responded to RFI provided revised dimensions to the supplier for the grating requirements. This required the metal subcontractor to provide more beams than shown on the contract drawings. Further during submittal review, Engineer required change of cable trench embed material from galvanized to aluminum. The scope of work required is for additional support beams, changed material of embedments and other miscellaneous metals.

Item No. 7: CP005 Temporary Communications for Administration Building and Field Operations Building S - Site Condition

During site investigation by Team Morales it was discovered that there was a fiber optic line in the electrical ductbank routed from Electrical Building 4 to behind the Public Works Administration Building. The ductbank was shown to contain power and could be abandoned after demolition of the existing lab building. This fiber optic line provides service to the Public Works Admin Building. This ductbank will need to be demolished as it is routed through the site of the new headwords facility. As a result of the ductbank demolition, temporary communications are required for the Public Works Administration Building and Field Operations Building. The temporary communications will take the form of two 5GHz Lite Beam M5 23dbi Ubiquiti radios communicating to the existing radio housed at Electrical Building 4.

Item No. 8: 60" Hobas Pipe at Mixed Liquor Junction/Splitter Box E- Value Engineering / Enhancement

During the submittal review phase of the 60" Hobas pipe there was a Request for Information (RFI0032) regarding a proposed change for the wall penetration for the 60" FRP pipe at the Mixed Liquor Junction/Splitter Box. The Engineer responded to the RFI that the proposed 342/Type penetration be replaced with a cast-in place connection under the junction/splitter box. This will allow for a true alignment of the pipe and a better water stop installation. HOBAS will place a FRP wall ring on the (2) vertical sticks of pipe to create a tight water seal.

Item No. 9: CP0007 Temporary Lift Station for Project Charm | SH-130 R- Owner Requested

City has requested modifications to provide temporary lift station in vicinity of the Influent Lift Station and Headworks for anticipated wastewater flows from Project Charm | SH-130 Interceptor by November 2020. A temporary lift station will be installed in existing manhole No 12 and will bypass pump the new incoming wastewater flow into existing manhole No 15 then onto the existing headworks. This will continue until the Influent pump station is completed. The scope of work required is for excavation, precast concrete manhole, pumps, electrical, controls, discharge piping as well as additional security fencing.

Change Order Codes

D - Design Issue	Clarification of ambiguity in the design documents
F - Field Detailed Design	Scope of work not yet incorporated into the Tender Design Documents
R - Owner Request	Requested by authorized Owner personnel
S - Site Condition	Variation caused by unforeseen or unique site conditions
E - Value Engineering /	
Enhancement	Variation which resulted in increased value to the Owner
X - Other	All other categories

Project:	Central Wastewa	iter Treatment Plant			Project Nun	nber:
Owner:	City of Pflugerville	e			88	
Contractor:	BAR Constructors	:			279	
Engineer:	Freese and Nicho	ls			PFL16607	
PCM:	Plus Six Engineeri	ng			19-211	
Change Orde	er No. : 001	Date: 06/11/202	20			
Make the fo	llowing additions,	modifications, or del	etions	to the Work describe	d in the Contra	ct Documents:
1. CP0001 -	– Phosphorus Analy	zer Building and Relo	cation	١	_	\$71,226.21
2. CP0001 -	– Clarifier No. 3 Sur	np Pit and Drain			_	\$20,572.07
3. CP0001-	- Structural Suppor	t Changes				\$31,777.04
4. CP0001-	– PC Pump Contain	ment Curb and Blowe	er Hea	der Rehab	<u>-</u>	\$16,897.39
5. CP0002 -	– Thoroseal Coating	g on Headworks and	Influer	nt PS	_	\$30,860.89
6. CP0003 -	– Structural Suppor	t Changes			_	\$20,586.03
7 CP0005	Temp Comms for	Administration Buildi	ng and	d Filed Operations Buil	ding _	\$7,299.50
8 CP0006 -	- 60" Hobas Pipe at	Mixed Liquor Junctio	n/Spli	tter Box	_	(\$7,626.27)
9. CP0007 -	– Temporary Lift St	ation for Project Cha	rm SI	H-130	_	\$97,014.89
Net Change	to Contract Amour	nt:			_	\$288,607.76
effect on cha the complete	inged or unchanged e and final adjustm	d Work as a result of ents for direct impact	this Co	o, extended overhead, ontract Amendment. The ability of the Contracthe Contractor is entitions.	The changes in C ctor to complete	ontract Times are
a Original	Contract Price				-	\$41,863,737.95
b Previous	ly Approved Chan	ge Order Amounts			-	\$0.00
c Adjusted	d Contract Price (a	+ b)			=	\$41,863,737.95
d Change	Order Amount				=	\$288,607.76
e Revised	Contract Price (c +	d)			_	\$42,152,345.71
f Percent	Change to Date:	0.7%	g	Change in Days this	Change Order:	34
Completion	Dates:	Original		Current		Revised
Substantial	h	10/12/2021	_ 1	10/12/2021	J	11/15/2021
Final	k	12/11/2021	_ I	12/11/2021	m	01/14/2022
Recommend	led by: Construct	- 6/10/2020		Recommended by:	Engineer	Data
Approved by	y: BAR Cons	Date tructors		Approved by:	City of Pfluger	_{Date} ville
Name		Date		Name		Date

Change Order Page 1 of 1

Request for a Change Proposal

Project: Central Wastewater Treatment Plant	Project Number:
Owner: City of Pflugerville	88
Contractor: BAR Constructors, Inc	279
Engineer: Freese and Nichols, Inc	PFL16607
Request No.: 0001 Description: Phosphorus Analyzer Repurposing, Cla Items and Submersible Influent Sump Specification:	
Drawing No.: Detail Description:	
Reference Document:	
☐ Request for Information No.: ☐ Shop Drawing Deviation Request	No.:
☐ Work Change Directive No.: ☐ Contract Document:	
The Owner requests that the Contractor prepare a Change Proposal for the change described in this Request for a Change Proposal. The compensation offered for this full, complete, and final compensation for all costs the Contractor may incur as a rewhether said costs are known, unknown, foreseen, or unforeseen at this time, inclusion for delay, extended overhead, ripple or impact cost, or any other effect on changes of this Contract Amendment. Requested changes in Contract Times are to be the conforming to the ability of the Contractor to complete the Work within the adjustments to which the Contractor will be entitled. Authorization to proceed with the Owner in accordance with the Contract Documents.	s Change Proposal is to be the esult of or relating to this change uding without limitation, any cost or unchanged Work as a result complete and final adjustments Contract Times and are the only
Owner requests a Change Proposal for the following modifications to the Contra	ct Documents:

Item 1: Existing Phosphorus Analyzer Repurposing

Relocate the existing phosphorus analyzer, piping, HVAC equipment, lighting, and fiberglass housing to the existing mixed liquor splitter box next to the Aeration Basin #1 effluent box. A new 6' x 6' x 7.5'fiberglass building shall be provided for the new phosphorus analyzer and turbidimeter near the cloth media filters in place of repurposing the existing. Reference the attached markups.

Assumptions:

- All existing sample piping inside the existing phosphorus analyzer building will be relocated and reused
- The existing Phosphax system including control panels will be relocated and reused
- The existing Filtrax system will be reused (if possible)
- The existing HVAC equipment will be relocated and reused
- The existing lighting will be relocated and reused

Description of Work:

- New 10' x 10' concrete slab for phosphorus analyzer building adjacent to the Aeration Basin #1 effluent box per Detail 6, SD-27.
- New 1" PVC sample line extending from AB #1 effluent box, over the top of the north wall of the effluent box extending down to grade level, then north at grade to the phosphorus analyzer building through existing pipe penetrations on the back of the phosphorus analyzer building. Support piping on concrete basin using 316 SS pipe straps.
- New 2" PVC hub floor drain.
- New 2" PVC drain line extending from below floor of phosphorus analyzer building to 15" drain line located north of the aeration basins.
- New piping tie-in to 15" drain line north of the aeration basins with wye and reducers at connection point of 2" PVC drain and 15" PVC drain.
- Relocate existing sample piping, instrumentation, HVAC equipment, lighting, and phosphorus analyzer building to new concrete slab.
- Install power wires to account for the required amperage and voltage drop from EB-1 to the relocated phosphorous building.
- Install analog wires from EB-1 to the phosphorous building.
- From EMH-6 to the proposed location, Install concrete encased ductbank with 2-2" conduits for power and analog signals.
- Miscellaneous modifications to the PLC and power source (LP-BNR1)
- Provide new 6'x 6' x 7.5' fiberglass building for housing P-analyzer and turbidimeters at effluent filters. Fiberglass building shall be one-piece standard accessories building by Tracom or approved equal.

Item 2: Clarifier Drain Line

A drain line will be installed extending from Clarifier #3 to the 10" drain line located north of Clarifier #3 replacing the 12" drain with plug currently shown on the drawings. Reference the attached markups.

Description of Work:

- New sump in clarifier for connection to 8" PVC drain line.
- Removal of proposed 12" tee and drain plug
- New below grade 8" PVC drain line extending 63' from Clarifier #3 drainage sump to the 10" PVC drain line located north of Clarifier #3.
- New below grade 8" plug valve installed on 8" drain line just outside of the clarifier wall.
- Two new cleanouts installed on either side of the 8" plug valve.
- New 8" PVC 45 degree bend to be installed prior to connection with 10" drain line.

Project:	Central Wastewater Treatment Plant	Project Number:
Owner:	City of Pflugerville	88
Contractor:	BAR Constructors, Inc	279
Engineer:	Freese and Nichols, Inc	PFL16607

• New tie-in to 10" drain line.

Item 3: UV Structural Drawing Correction

Modifications to sheets S-UV-1 to S-UV-8 to clarify sections and details of the design.

Description of Work:

• No additional work required.

Item 4: PC Pump Containment Curb

Installation of 6" concrete containment curb around progressing cavity pumps in solids handling area. Reference attached markups.

Description of Work:

- Roughen slab under proposed curb
- Install dowels as required by detail
- Form and pour containment curb around pumps.

Item 5: Blower Header Rehabilitation

Replacement of leaking valves and couplings on sludge holding tank air header.

Description of Work:

- Replacement of 10" SS flange and flange adapter
- Replacement of two (2) 6" SS butterfly valves
- Replacement of two (2) 6" SS "Dresser-Style" flexible couplings

Item 6: Sludge Holding Tank Level Sensor

Installation of radar style level sensor on sludge holding tank for control of sludge transfer pumps

Description of Work:

- Install radar sensor on sludge holding tank
- Control wiring to tie reading into SCADA
- Programming upgrades to allow use of level sensor for control of sludge transfer pumps

Item 7: Submersible Pumps

Description of Work

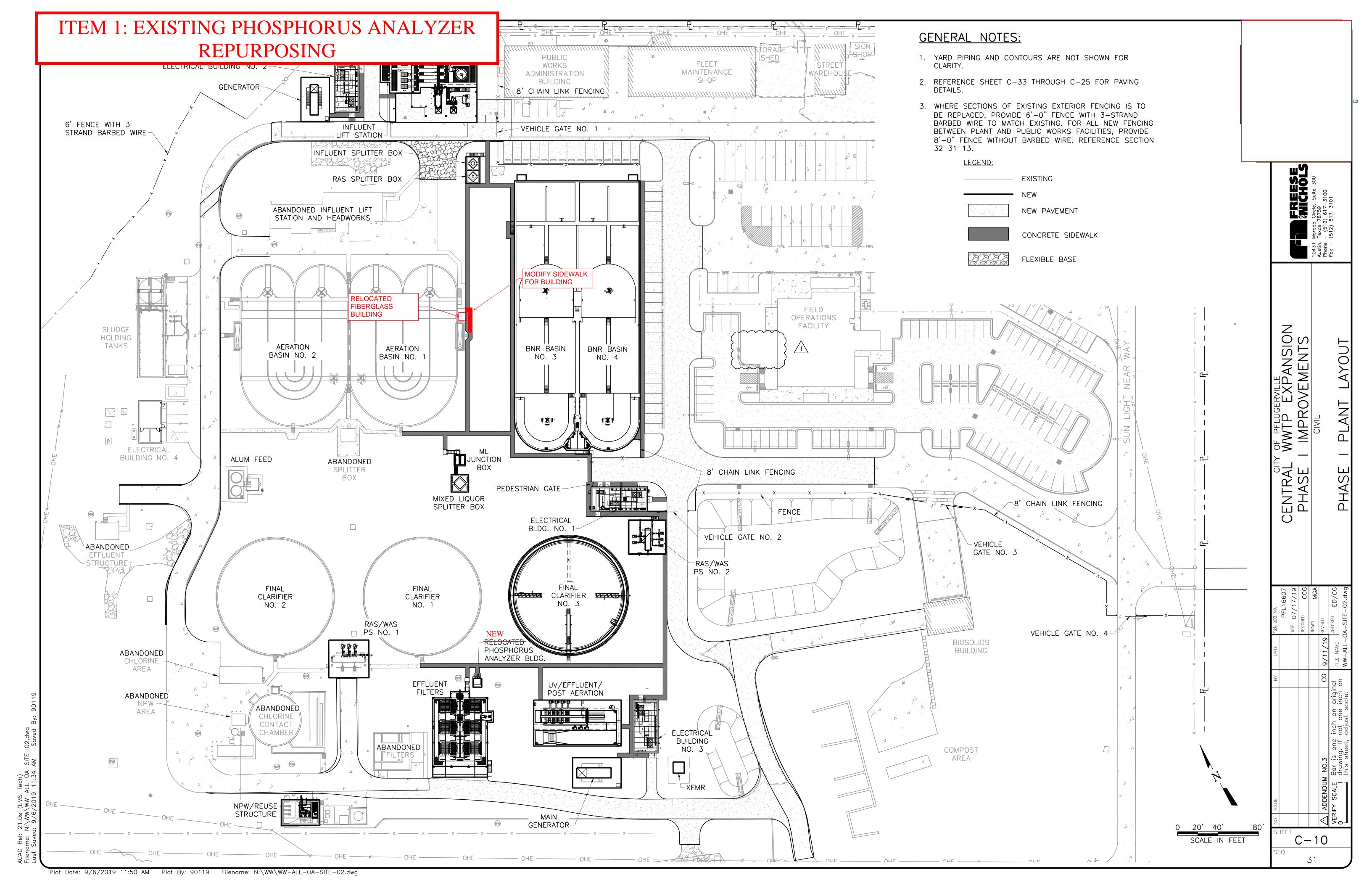
BAR have submitted the specified Sulzer submersible sump pumps for installation at the influent lift station, The City of Pflugerville have had performance and vendor issues with Sulzer submersible pumps in the past and have asked that BAR procure either the KSB or Flygt submersible pumps, as specified in 44 42 56.04 Submersible Pumps

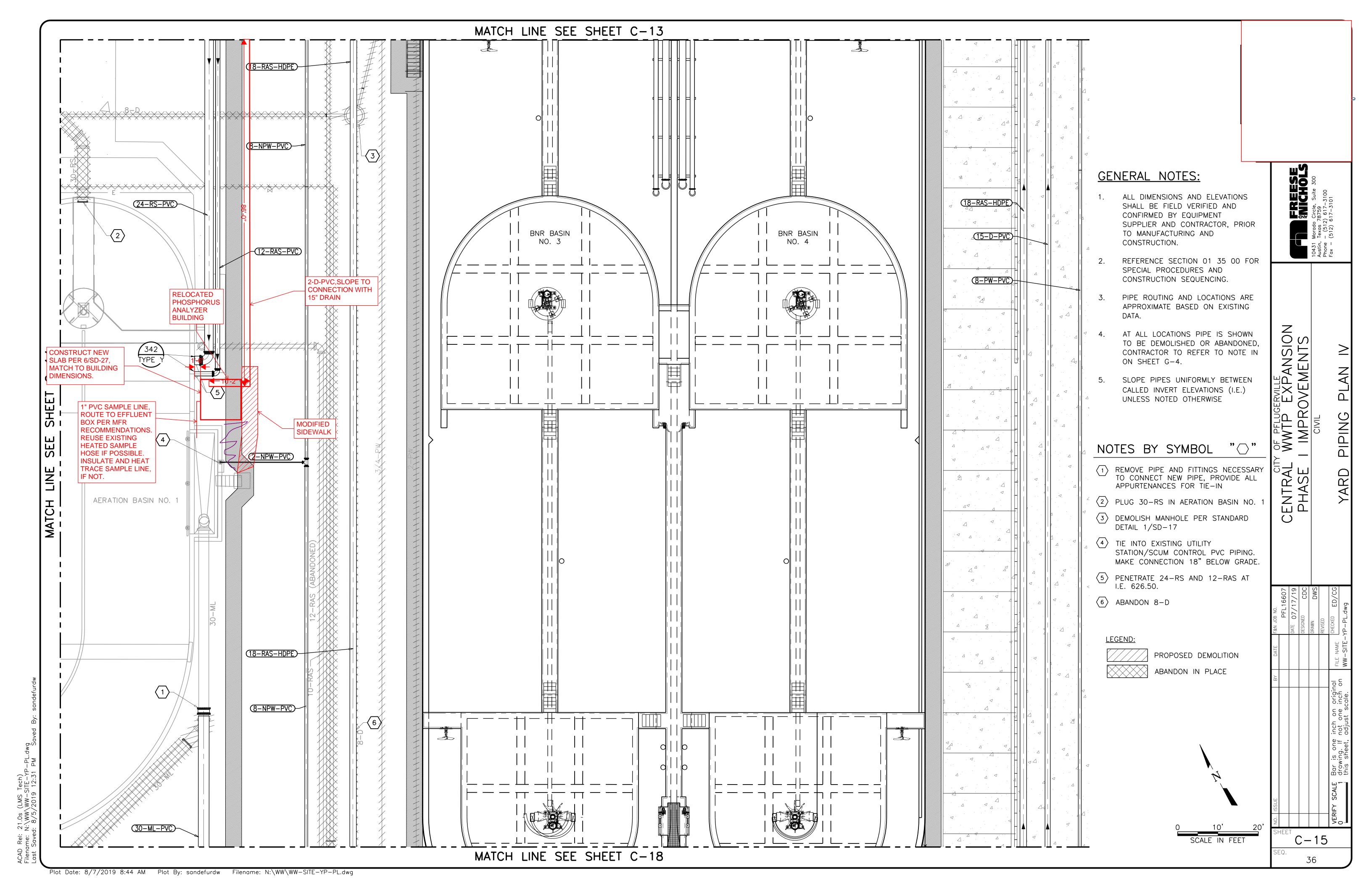
Purpose of Change Proposal:

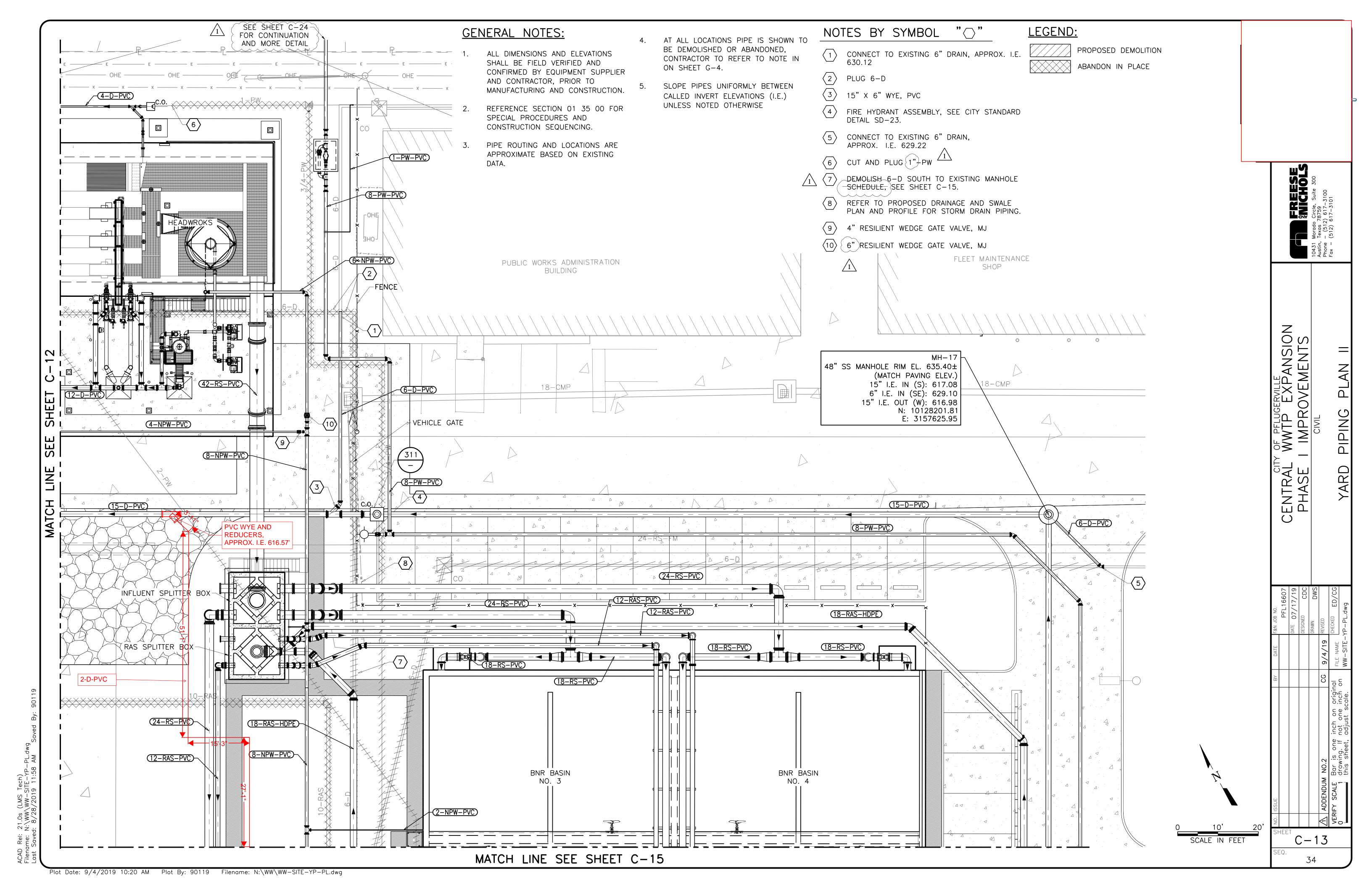
Request for a Change Proposal

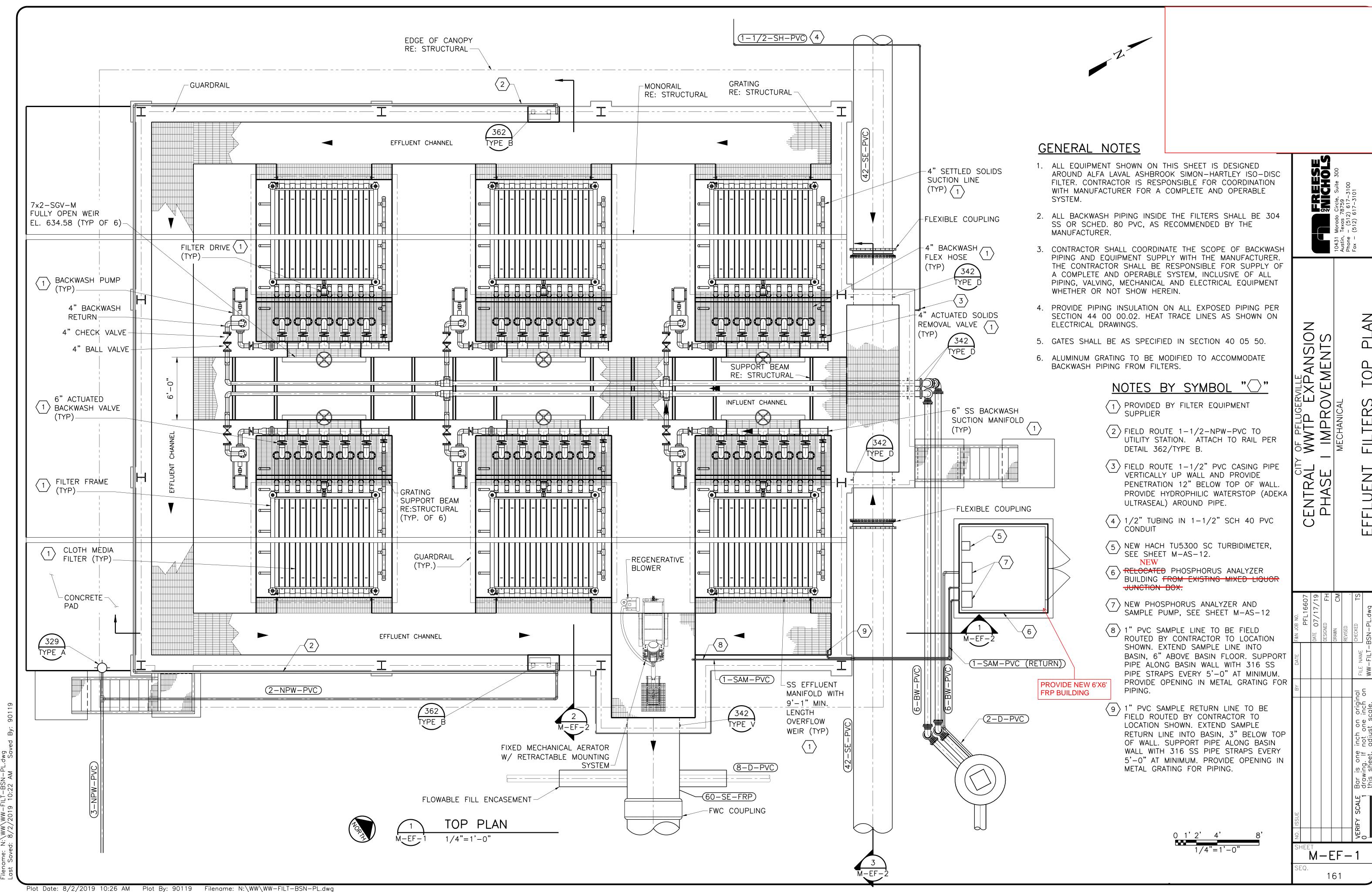
Project:	Central Wastewater Treatment Plant	Project Number:
Owner:	City of Pflugerville	88
Contractor:	BAR Constructors, Inc	279
Engineer:	Freese and Nichols, Inc	PFL16607
Drainage Su	s: C-15, M-EF-1, S-EF-2, E-3, E-6, E-12, E-13, E-EB-1, E-42, C-18, M-FC-1, M mp Pit Detail, S-UV-1, S-UV-2, S-UV-3, S-UV-4, S-UV-5, S-UV-6, S-UV-7, S lower Photos	•
Status:		
☐ Change F	Proposal No.: Received Cancelled	
Action Requ	ired:	
☐ Docume	nts Filed Cancelled	
Requested k	oy: Janathan Jran	Date: 02/13/2020

Item 1: Existing Phosphorus Analyzer Repurposing

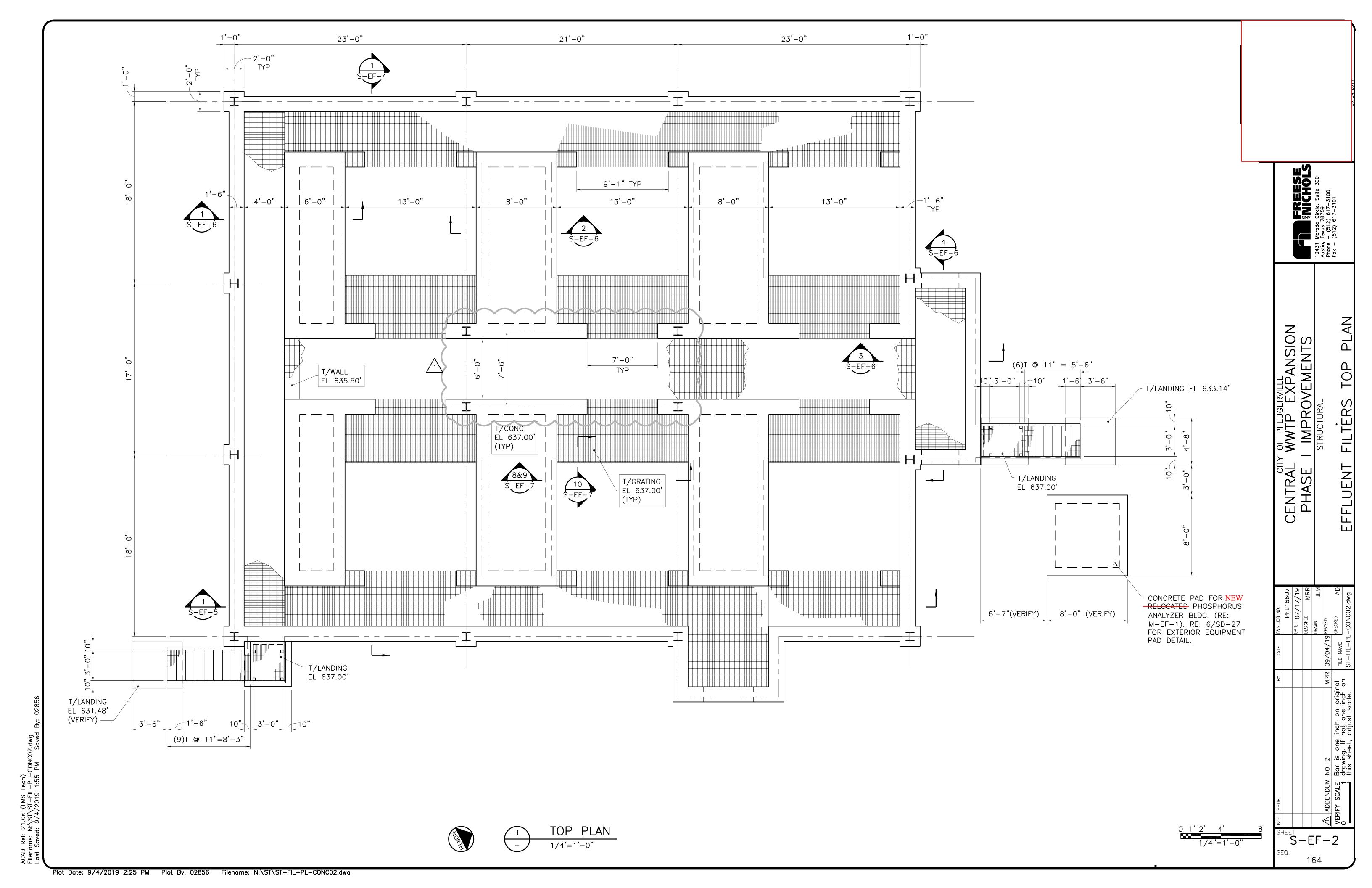


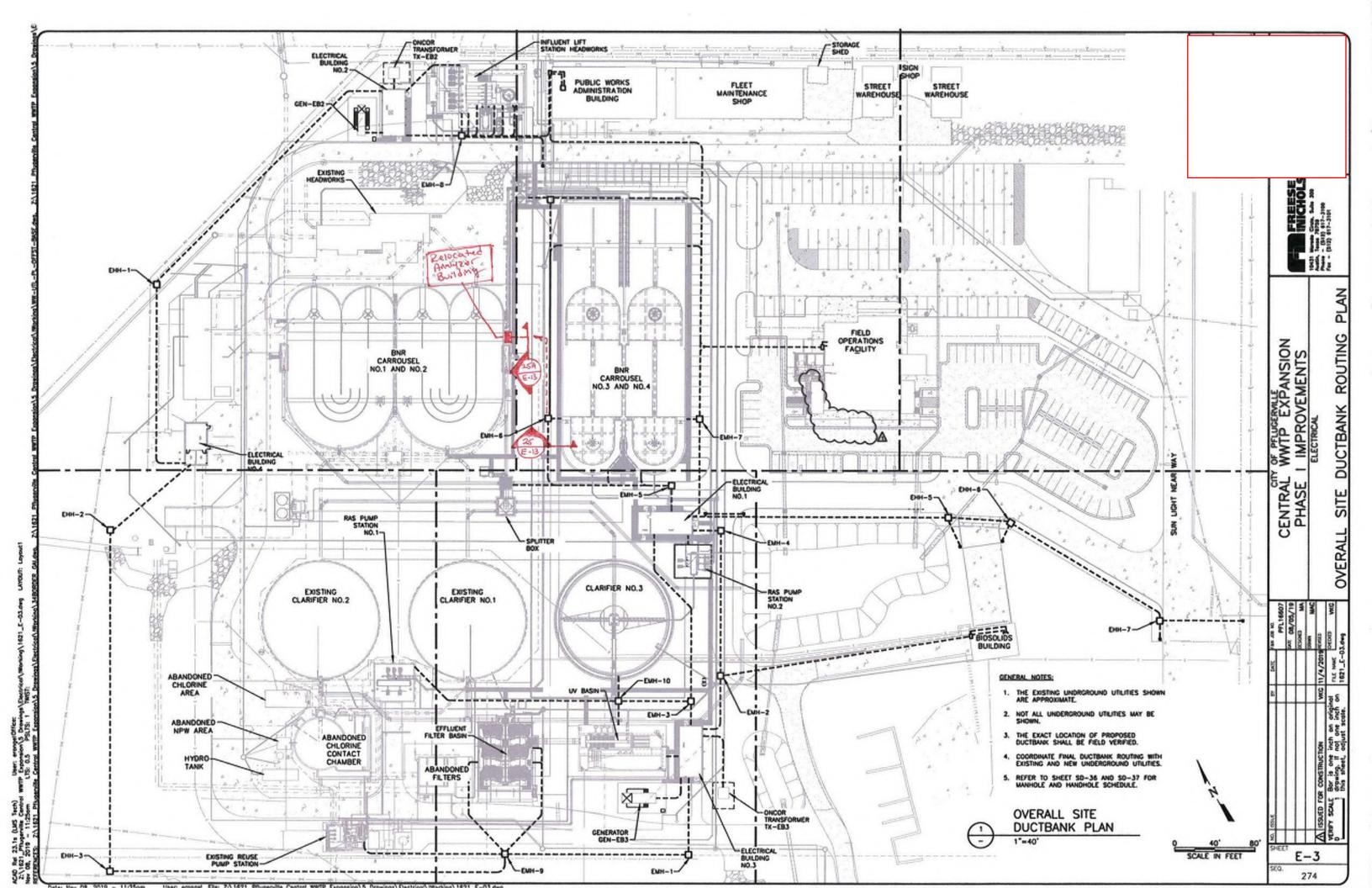


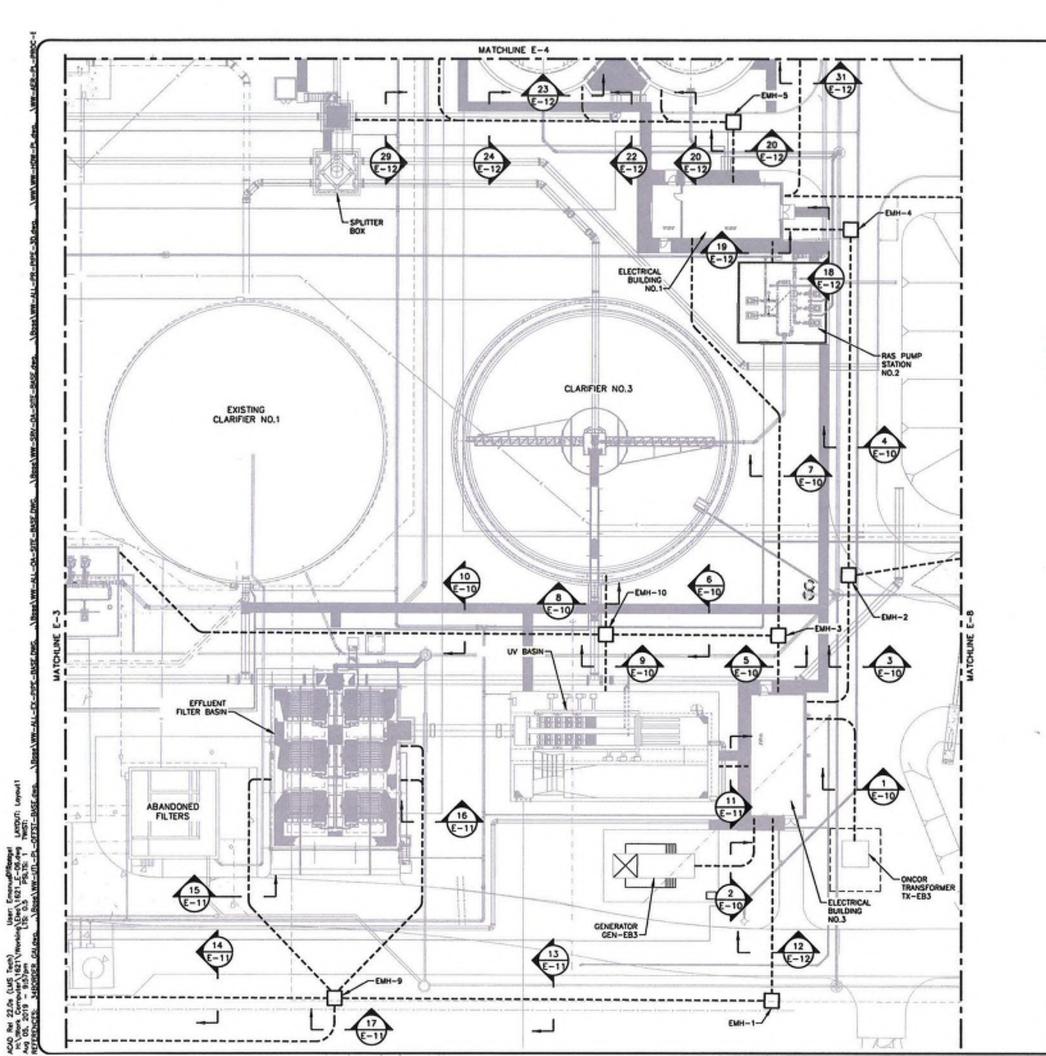




Rel: 21.0s (LMS Tech) me: N:\ww\ww-FILT-BS Saved: 8/2/2019 10:22







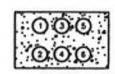
GENERAL NOTES:

- 1. THE EXISTING UNDRIGROUND UTILITIES SHOWN ARE APPROXIMATE.
- 2. NOT ALL UNDERGROUND UTILITIES MAY BE SHOWN.
- 3. THE EXACT LOCATION OF PROPOSED DUCTBANK SHALL BE FIELD VERFIED.
- COORDINATE FINAL DUCTBANK ROUTING WITH
- REFER TO SHEET SD-36 AND SD-37 FOR MANHOLE AND HANDHOLE SCHEDULE.

Refer to Downs E-12 FOR MODIFIED DICHBANK Sections.

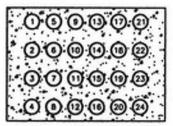
L WWTP EXPANSION
I IMPROVEMENTS
ELECTRICAL CENTRAL PHASE E-6

PARTIAL SITE PLAN



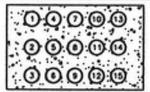
DUCTBANK SECTION

	TAB	LE FOR SECTIO	3N 18
CONDUIT	CONDUIT TAG	CONDUIT	DESCRIPTION
1	SBUVA-1P	4°C	POWER FROM SWB-UV-A TO SWB-BNR-A
2	SBUW-1P	4°C	POWER FROM SWB-UV-A TO SWB-BNR-A
3	SBUVA-1P	4°C	POWER FROM SWB-UV-A TO SWB-BNR-A
4	SBUVA-1P		POWER FROM SWB-UV-A TO SWB-BNR-A
5	SPARE	470	-
6	SPARE	470	-



DUCTBANK SECTION

	TABLE	FOR SECTIO	N 22
CONDUIT NO.	CONDUIT TAG	CONDUIT	DESCRIPTION
1	MCBNRA-3P, MCBNRA-4P, MCBNRA-5P	2°C	POWER FROM EB1 TO BNR BASIN 3
2	MCBNRA-3C, MCBNRA-4C, MCBNRA-5C	2°C	POWER FROM EB1 TO BINR BASIN 3
3	AER303-1P	3°C	POWER FROM EB1 TO BNR BASIN 3
4	AER303-2P	3°C	POWER FROM EB1 TO BAR BASIN 3
5	AER303-1C. AER303-2C	2°C	CONTROLS FROM EB1 TO BNR BASIN 3
6	PL-301, PL-302	2°C	ANALOG SIGNALS TO BAR BASIN 3
7	LPBNR-21, LPBNR-23, LPBNR-25, LPBNR-27, LPBNR-35	2°C	120V POWER TO BINR BASIN 3
8	LUBNR-9, LUBNR-13	3°C	UPS POWER FROM EB1 TO BNR BASIN 3
9	588NRA-12P	2°C	POWER TO BNR BASIN 3 AND PLUG VALVE
10	PL-321	2°C	CONTROL SIGNALS TO BNR BASIN 3
11	SBBNRA-9P, SBBNRA-10P, SBBNRA-11P	2°C	POWER FROM EB1 TO BNR BASIN 3 GATES
12	MCBNRA-6P	2°C	POWER FROM EB1 TO BNR BASIN 3 RECYCLE GATE
13	PL-305, PL-307, PL-309, PL-319	2°C	CONTROL SIGNALS FROM EB1 TO BNR BASIN 4
14	PL-303, PL-304, PL-306, PL-308, PL-310, PL-320	2°C	ANALOG WRES FROM EB1 TO BNR BASIN 3
15	LPBNR-11, LPBNR-19, LPBNR-37	2°C	120V POWER FROM EB1 TO BNR BASIN 3
16	JBM-P/C	2°C	POWER FROM EB1 TO MIXED JUNCTION BOX
17	LPBNR-41, LPBNR-42, LC1A-10	2°C	120V POWER FROM EB1 TO MIXED JUNCTION BOX
18-24	SPARES	2°C	-
18	588028-78 RII-111	2"0	Abover and controls from
19	R11-209	2"c	Author Signals From 88-1



DUCTBANK SECTION

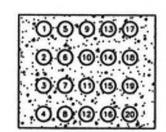
(E-8)	NTS	
TAB	LE FOR SECTIO	N 19
NDUIT TAG	CONDUIT	DESCRIPT
	2°C	POWER FROM EB1 TO STATION 2
	2°C	POWER FROM EB1 TO STATION 2
	2°C	POWER FROM EB1 TO STATION 2
		DOWER FROM FR. 1

	100			STATION 2
	2	RAS512-P	2°C	POWER FROM EB1 TO RAS PUMP STATION 2
	3	WAS511-P	2°C	POWER FROM EB1 TO RAS PUMP STATION 2
	4	WAS512-P	2°C	POWER FROM EB1 TO RAS PUMP STATION 2
	5	RAS511-C, RAS512-C	2°C	CONTROL SIGNALS FROM EB1 TO RAS PUMP STATION 2
	6	WASS11-C, WASS12-C	2°C	CONTROL SIGNALS FROM EB1 TO RAS PUMP STATION 2
A (7	LPBNR-13, LPBNR-15, LPBNR-17, LPBNR-18	2°C	120V POWER TO RAS PUMP STATION 2
	30	R11-205	2°C	ANALOG SIGNALS FROM EB1 TO RAS PUMP STATION 2
	9	R11-206	2°C	-
	10	LUBNR-4, LUBNR-5	2°C	UPS POWER FROM EB1 TO

CONDUIT NO.

1 RAS511-P

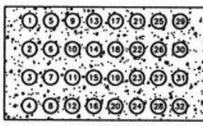
11-15 SPARES



20

DUCTBANK SECTION

	TABLE	FOR SECTION	ON 24
CONDUIT NO.	CONDUIT TAG	CONDUIT	DESCRIPTION
1	VICENRA-3P, VICENRA-4P, VICENRA-5P	2°C	POWER FROM EB1 TO BNR BASIN 3
2	MCBNRA-3C, MCBNRA-4C, MCBNRA-5C	2°C	POWER FROM EB1 TO BNR BASIN 3
3	AER303-1P	3,0	POWER FROM EB1 TO BNR BASIN 3
4	AER303-2P	3°C	POWER FROM EB1 TO BNR BASIN 3
5	AER303-1C, AER303-2C	2°C	CONTROLS FROM EB1 TO BNR BASIN 3
6	PL-301, PL-302	2°C	ANALOG SICHALS TO BINR BASIN 3
7	LPBNR-21, LPBNR-23, LPBNR-25, LPBNR-27, LPBNR-35	2°C	120V POWER TO BNR BASIN 3
8	LUBNR-9, LUBNR-13	3.0	UPS POWER FROM EB1 TO BNR BASIN 3
9	SBBNRA-12P	2°C	POWER TO BNR BASIN 3 AND PLUG VALVE
10	PL-321	2°C	CONTROL SIGNALS TO BNR BASIN 3
11	JBM-P/C	2°C	POWER FROM EB1 TO MIXED JUNCTION BOX
12	LPBNR-41, LPBNR-42, LC1A-10	2°C	120V POWER FROM EB1 TO MIXED JUNCTION BOX
13-20-	SPARES	2°C	-
13	688NFB-79	2"€	Former and control & From 68-1 To Analyzer Boilding
124	RI1-209	2 € €	Ander wines From EB-1

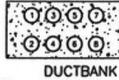


DUCTBANK SECTION NTS

CONDUIT NO.	CONDUIT TAG	CONDUIT	DESCRIPTION
1	MCBNRA-3P, MCBNRA-4P, MCBNRA-5P	2°C	POWER FROM EB1 TO BINR BASIN 3
2	MCBNRA-3C, MCBNRA-4C, MCBNRA-5C	2°C	POWER FROM EB1 TO BNR BASIN 3
3	AER303-1P	3°C	POWER FROM EB1 TO BNR BASIN 3
4	AER303-2P	3,0	POWER FROM EB1 TO BNR BASIN 3
5	AER303-1C, AER303-2C	2°C	CONTROLS FROM EB1 TO BNI
6	PL-301, PL-302	2°C	ANALOG SIGNALS TO BAR BASIN 3
7	LPBNR-21, LPBNR-23, LPBNR-25, LPBNR-27, LPBNR-35	2°C	120V POWER TO BNR BASIN 3
8	LUBNR-9, LUBNR-13	3°C	UPS POWER FROM EB1 TO BNR BASIN 3
9	\$88NRA-12P	2°C	POWER TO BNR BASIN 3 AND PLUG VALVE
10	PL-321	270	CONTROL SIGNALS TO BNR BASIN 3
11	SBBNRA-9P, SBBNRA-10P, SBBNRA-11P	2°C	POWER FROM EBI TO BAR BASIN 3 GATES
12	MCBNRA-6P	2°C	POWER FROM EBI TO BINR BASIN 3 RECYCLE GATE
13	PL-305, PL-307, PL-309, PL-319	2°C	CONTROL SIGNALS FROM EB1 TO BNR BASIN 4
14	PL-303, PL-304, PL-306, PL-308, PL-310, PL-320	2℃	ANALOG WIRES FROM EB1 TO BNR BASIN 3
15	LUBNR-11, LPBNR-19, LPBNR-37, LUBNR-15	2°C	120V POWER FROM EB1 TO BAR BASIN 3
16	LC1A-1, LC1A-3, LC1A-5, LC1A-7, LC1A-8, LC1A-9	2.0	BNR BASIN 3 LIGHTS
17	SBBNRB-SP, SBBNRB-TOP, SBBNRB-11P	2°C	POWER FROM EB1 TO BNR BASIN 4
18	MCBNRB-6P	2°C	POWER FROM EB1 TO BNR BASIN 4 RECYCLE GATE
19	PL-405, PL-407, PL-409, PL-419	2°C	CONTROL SIGNALS FROM EB1 TO BNR BASIN 4
20	PL-403, PL-404, PL-406, PL-400, PL-410, PL-420	3,C	ANALOG SIGNALS FROM EB1 TO BNR BASIN 4
21	LUBNR-12, LPBNR-20, LPBNR-38, LUBNR-16	2°C	120V POWER FROM EB1 TO BAR BASIN 4
22	JBM-P/C	2°C	POWER FROM EB1 TO MIXED JUNCTION BOX
23	LPBNR-41, LPBNR-42, LC1A-10	2°C	120V POWER FROM EB1 TO MIXED JUNCTION BOX
24-32	SPARES	2°C	-
24	5880R8 - 7P RF1-III	2"€	Person and rections for
25	RS1-209	2 4	Annual wives From 1

DUCTBANK SECTION

	TABL	E FOR SECTIO	ON 29
CONDUIT NO.	CONDUIT TAG	CONDUIT	DESCRIPTION
1	JBM-P/C	2°C	POWER AND CONTROLS FROM EB! TO JUNCTION MIXER BOX
2	LPBNR-41, LPBNR-42, LC1A-10	2°C	120V POWER FROM EB1 TO JUNCTION BOX
3	SPARE	2°C	-



SECTION

	TABLE	FOR SECTION	N 23
NO.	CONDUIT TAG	CONDUIT	DESCRIPTION
1	MCBNRA-6P	2°C	POWER FROM EB1 TO BNR BASIN 3
2	PL-305, PL-307, PL-309, PL-319	2°C	DIGITAL SIGNALS FROM EB1 TO BNR BASIN 3
3	PL-303, PL-304, PL-306, PL-308, PL-310, PL-320	2°C	ANALOG SIGNALS FROM EB1 TO BNR BASIN 3
4	SBBNRA-9P, SBBNRA-11P, SBBNRA-10P	2°C	POWER FROM EB1 TO BINR BASIN 3
5	LUBNR-11, LPBNR-15	2°C	120V POWER FROM EB1 TO BAR BASIN 3
6	LCIA-7, LCIA-9	2°C	BNR BASIN 3 LIGHTS
7,8	SPARES	2°C	-

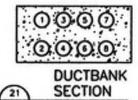


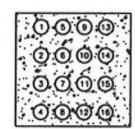
	TABLE	FOR SECTION	ON 21
CONDUIT NO.	CONDUIT TAG	CONDUIT SIZE	DESCRIPTION
1	SBBNRB-9P, SBBNRB-10P, SBBNRB-11P	2°C	POWER FROM EB1 TO BNR BASIN 4
2	MCBNRB-6P	2°C	POWER FROM EB1 TO BNR BASIN 4
3	PL-405, PL-407, PL-409, PL-419	2°C	CONTROL SIGNALS TO BNR BASIN 4
4	PL-403, PL-404, PL-406, PL-408, PL-410, PL-420	2°C	ANALOG SIGNALS TO BNR BASIN 4
5	LPBNR-20, LPBNR-38, LUBNR-12, LUBNR-15	2°C	POWER FROM EB1 TO BNR BASIN 4
*	ICIA-8	2°C	BNR BASIN 4 LICHTS
7,8	SPARES	2°C	-

CENTRAL WWTP EXPANSION PHASE I IMPROVEMENTS DUCTBANK

1041 Bree Get, 3-a 30 1041 Bree Get, 3-a 30 1042 Bree (343 817-310 104 (343 817-310

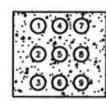
E-12

XXX



DUCTBANK SECTION E-7 NTS

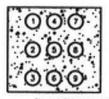
		TABLE	FOR SECTION	ON 25
	CONDUIT NO.	CONDUIT TAG	CONDUIT	DESCRIPTION
	1	MCBNRA-3P, MCBNRA-4P, MCBNRA-5P	2°C	POWER FROM EB1 TO BNR BASIN 3
	2	MCBNRA-3C, MCBNRA-4C, MCBNRA-5C	2°C	POWER FROM EB1 TO BNR BASIN 3
	3	AER303-1P	3.0	POWER FROM EB1 TO BNR BASIN 3
	4	AER303-2P	3.0	POWER FROM EB1 TO BNR BASIN 3
	5	AER303-1C. AER303-2C	2°C	POWER FROM EB1 TO BNR BASIN 3
	6	PL-301, PL-302	2°C	ANALOG SIGNALS TO BHR BASIN 3
	7	LPBNR-21, LPBNR-23, LPBNR-25, LPBNR-27, LPBMR-35	2°C	120V POWER TO BINR BASIN 3
	8	SBBNRA-12P	2°C	POWER FROM EBI TO BNR BASIN 3 PLUG VALVE
	9	PL-321	2°C	CONTROL SIGNALS TO BHR BASIN 3 PLUC VALVE
	10	LC1A-1, LC1A-3, LC1A-5	2°C	BASIN LIGHTING
14-16	11	LUBNR-9, LUBNR-13	2°C	UPS POWER TO BAR BASIN 3
. /	12-16	SPARES	2°C	-
	12	SEBNIE-79 254-11)	2°c	Power and control wifes From EB-1 to Analyze
	13	211-209	2°c	France signals FRA EB-1



DUCTBANK SECTION E-7 NTS

	TABLE	FOR SECTIO	N 28
CONDUIT NO.	CONDUIT TAG	CONDUIT	DESCRIPTION
1	MCENRA-4P, MCENRA-3P	2°C	POWER FROM EB1 TO BMR BASIN 3
2	MCBNRA-4C, MCBNRA-3C	270	POWER FROM EB1 TO BNR BASIN 3
3	AER303-1P	3°C	POWER FROM EB1 TO BNR BASIN 3
4	AER303-1C		POWER FROM EB1 TO BNR BASIN 3
5	PL-301	2°C	ANALOG SIGNALS TO BNR BASIN 3
6	LPBNR-23, LPBNR-25, LPBNR-27		120V POWER TO BNR BASIN 3
7	LUBNR-13, LC1-5	2°C	BNR BASIN 3 LIGHTS
8,9	SPARES	2°C	-

ACM Re 23.1s (LMS Tech) User: meet9 Officie: https://dx.phippendec.central.wife Userseasch/New 05, 2019 - 8.19cm [12: 0.5 F213: 1 PSTEENEES, 3490505R, CM.deo, 21, CM. Smited (Boots)



DUCTBANK SECTION E-7 NTS

	TABL	E FOR SECTIO	ON 26
CONDUIT NO.	CONDUIT TAG	CONDUIT	DESCRIPTION
1	MCBNRA-5P	2°C	POWER FROM EB1 TO BNR BASIN 3
2	MCBNRA-5C	2°C	POWER FROM EB1 TO BNR BASIN 3
3	AER303-2P	3,0	POWER FROM EB1 TO BNR BASIN 3
4	AER303-2C	2°C	POWER FROM EB1 TO BNR BASIN 3
5	PL-302	2°C	ANALOG SIGNALS TO BINR BASIN 3
6	LPBNR-21, LUBNR-33	2°C	120V POWER TO BINR BASIN 3
7 (LCIA-1, LCIA-3 A	2°C	BNR BASIN 3 LIGHTS
8,9	SPARES	2°C	-

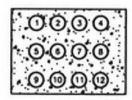


SECTION

	TABL	E FOR SECTIO	ON 29
CONDUIT NO.	CONDUIT TAG	CONDUIT	DESCRIPTION
1	SBBNRA-12P		POWER SIGNALS TO BAR BASIN 3
2	PL-321		DIGITAL FROM EBI TO BAR BASIN 3
3	LPBNR-14, LPBNR-16	2°C	POWER FROM EB1 TO SPLITTER BOX
4	SPARE	2°C	-



TABLE FOR SECTION 30					
CONDUIT NO.	CONDUIT TAG	CONDUIT	DESCRIPTION		
1	\$88NRA-12P	2°C	POWER SIGNALS TO BAR BASIN 3		
2	PL-321	2°C	DIGITAL FROM EB1 TO BNR		



DUCTBANK SECTION E-7 NTS

	TABLE	FOR SECTIO	N 27
CONDUIT NO.	CONDUIT TAG	CONDUIT	DESCRIPTION
1	MCBNRA-3P, MCBNRA-4P	2°C	POWER FROM EB1 TO BNR BASIN 3
2	MCBNRA-3C, MCBNRA-4C	2°C	POWER FROM EBI TO BHR BASIN 3
3	AER303-1P	3°C	POWER FROM EB1 TO BHR BASIN 3
4	AER303-1C	2°C	POWER FROM EB1 TO BNR BASIN 3
5	PL-301	2°C	ANALOG SIGNALS TO BNR BASIN 3
6	LPBNR-23, LPBNR-25, LPBNR-27	2°C	120V POWER TO BAR BASIN 3
7	\$88NR-12P	2°C	POWER FROM EB1 TO BNR BASIN 3 PLUG VALVE
8	PL-321	2°C	CONTROL SIGNALS TO BHR BASIN 3 PLUG VALVE
9	LC1-5	2°C	BNR BASIN 3 LIGHTS
10-12	SPARES	2°C	-



Mag.	conduit TAG	\$12c	Ouscription
1	S3BN28-78 RIJ-111	20	
2	RI 1-209	20	Analog wholes Floriday

DUCTBANK SECTION

NTS

TABLE FOR SECTION 59					
CONDUIT NO.	COMPLET TAGE PRESCRIPTION				
1	LPBNR-14	2°C	POWER SIGNALS TO NORTH SPLITTER		
2	LPBNR-16	2°C	POWER TO NORTH SPLITTER		

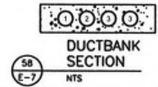


TABLE FOR SECTION 29						
CONDUIT NO.	CONDUIT YAS	CONDUIT	DESCRIPTION			
1	SG-1P	2°C	POWER TO GATES			
2	50-1C	2°C CONTROLS TO				
3	SPARE 2°C		-			
4	SPARE	2°C	-			

CENTRAL WWTP EXPANSION PHASE I IMPROVEMENTS

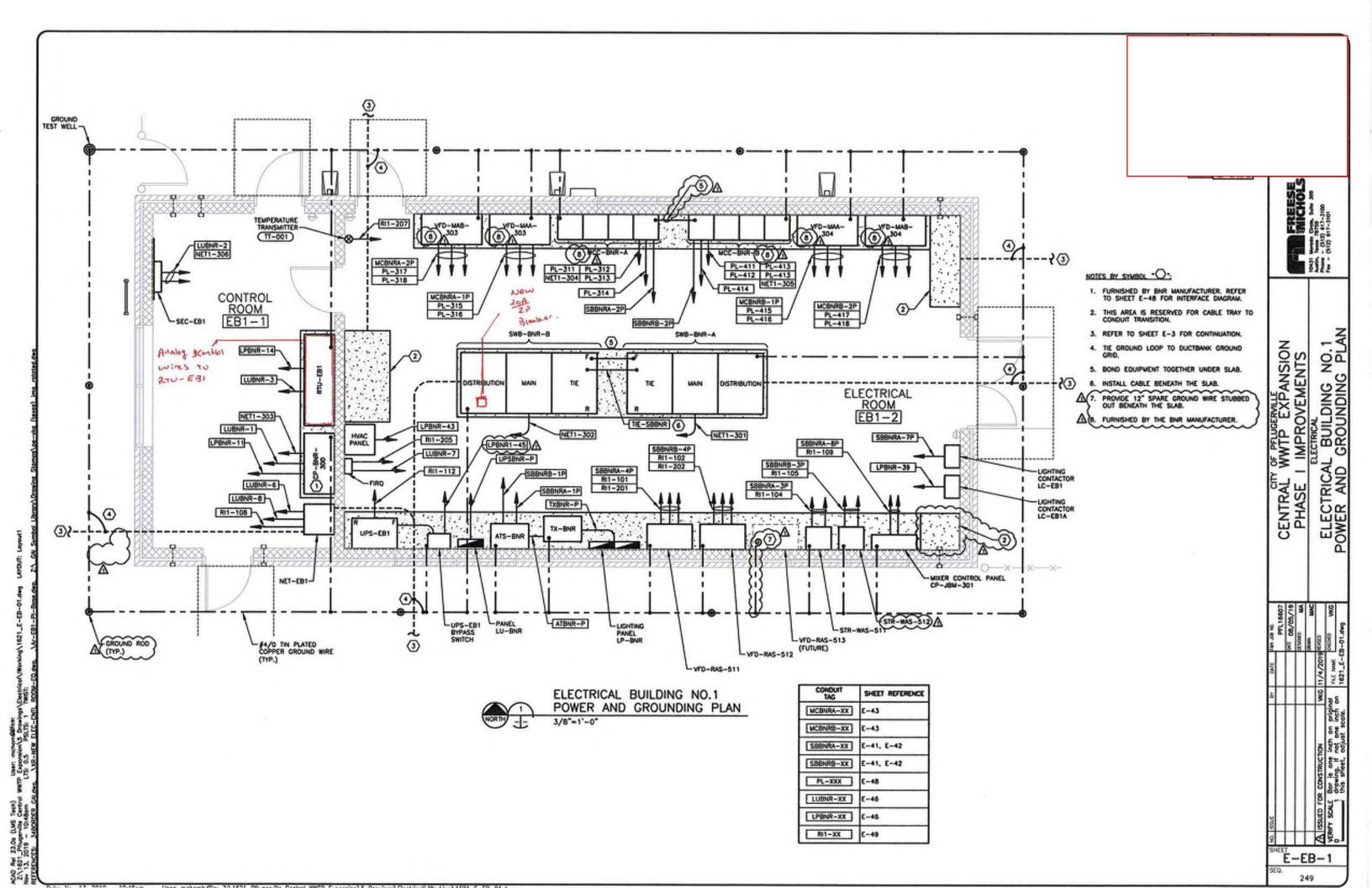
DUCTBANK SECTIONS

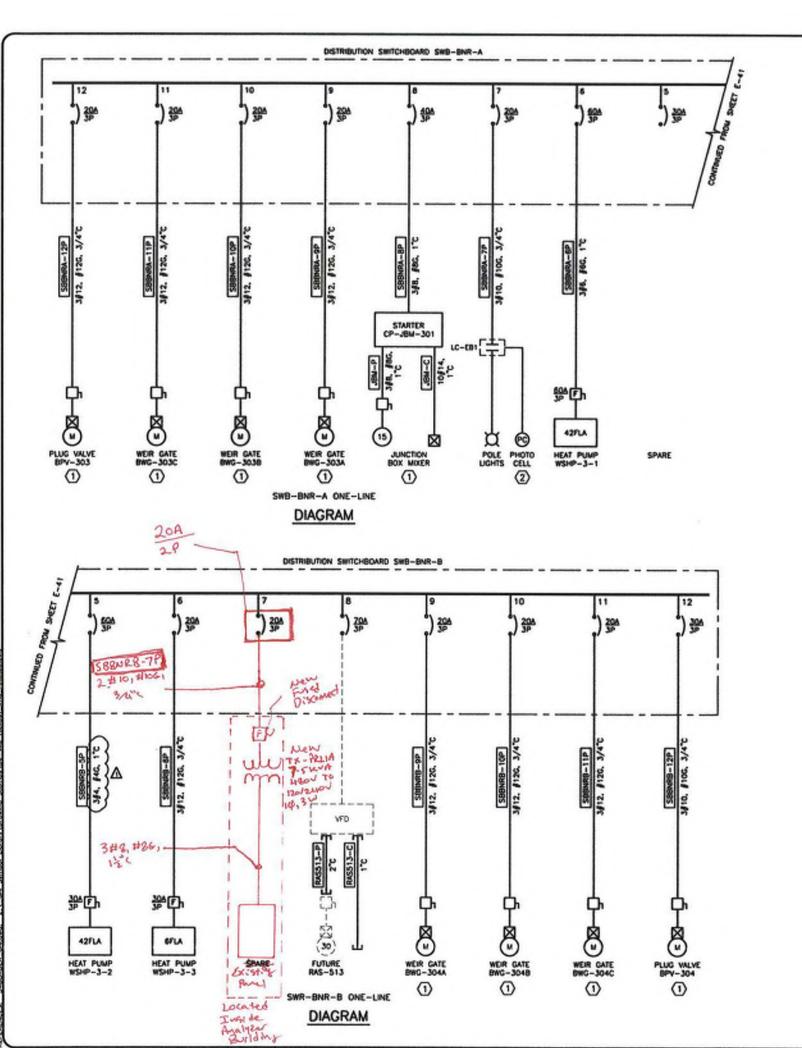
04/2019 PAC 11/4/2019 PAC 14/4/2019 PAC 14/4

SECUED FOR CONSTRUCTION WG 11, THE SCHE But is one such on propinal for this sheet, adjust scots.

E-13

New OS, 2019 - B-39em User: moc19 File: H\GM Projects\1621 Physerville Central WWIP Eurosejos\5 Droubes\Fleetrice(\Works\1621 1)





NOTES BY SYMBOL "O":

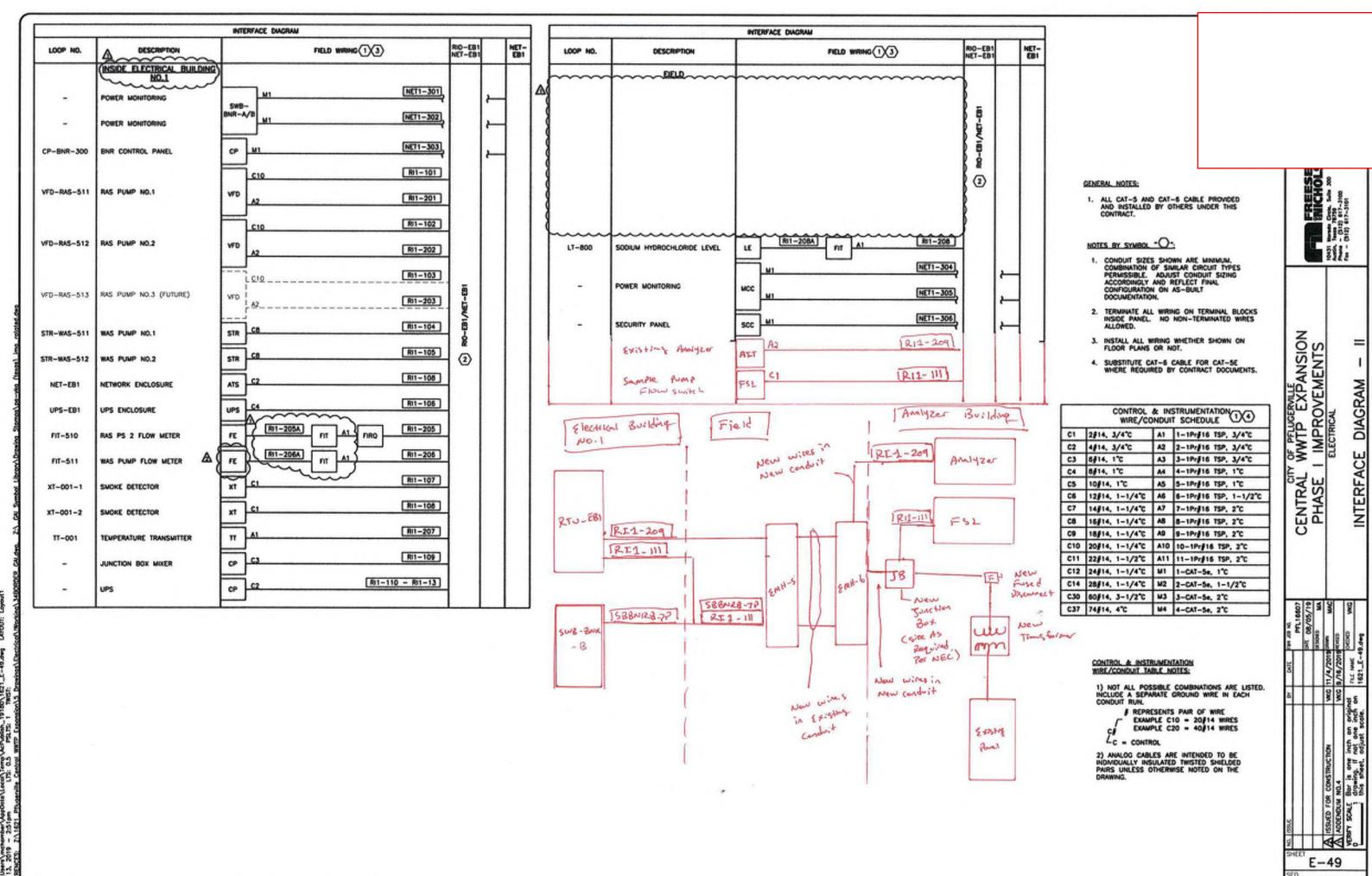
- 1. REFER TO SHEET E-52 FOR ELECTRICAL SCHEMATIC.
- 2. REFER TO SHEET E-60 FOR ELECTRICAL SCHEMATIC.

P-B CENTRAL WWTP EXPANSION PHASE I IMPROVEMENTS -BNR AND SWB-DIAGRAM SWB-BNR-A ONE-LINE

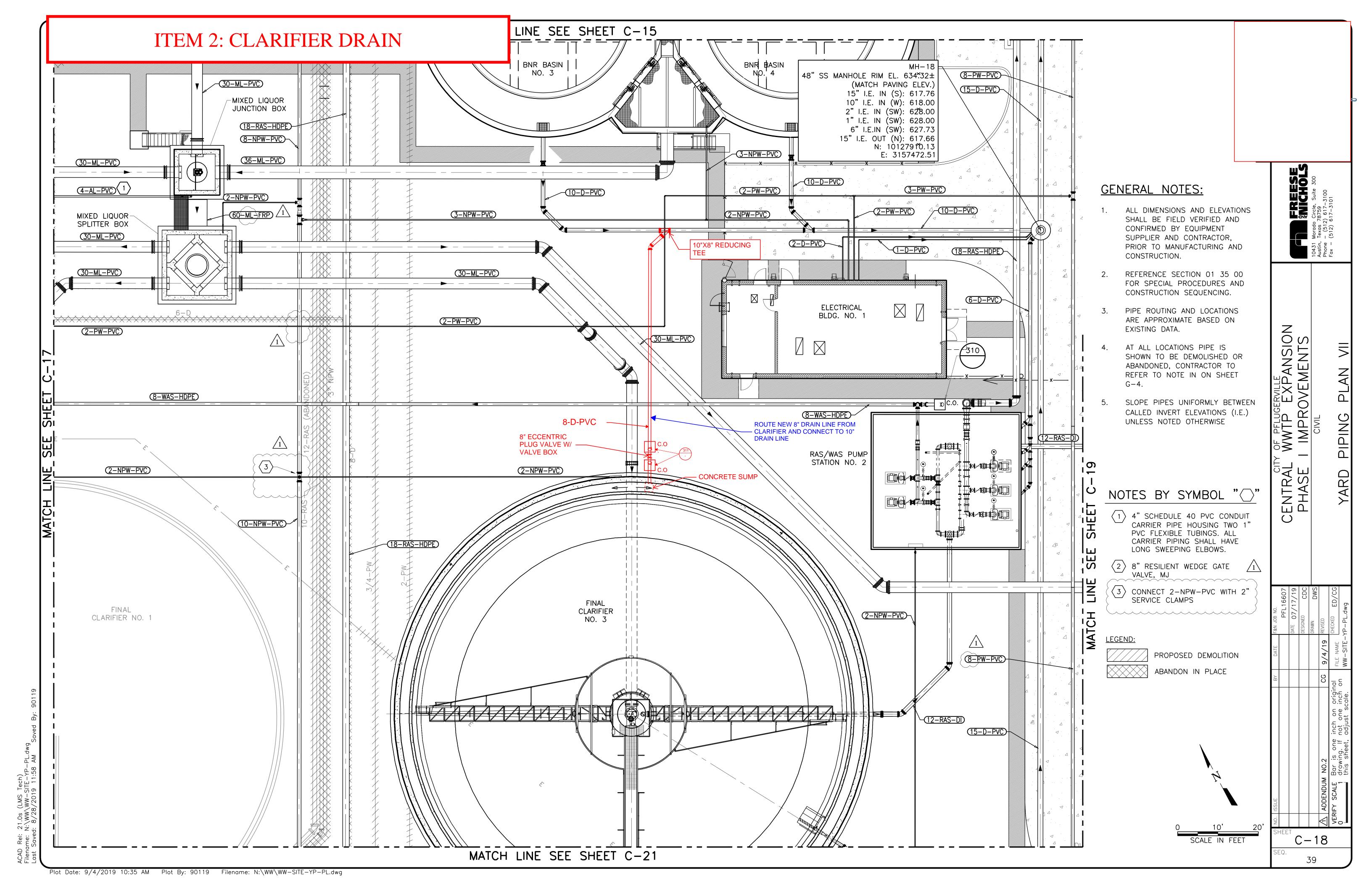
Users meets Office:
white Central WITP Espension\3 Desirops\Destrices\Westloop\1621_£-42.0mg LWDUI: Layest
LRS 0.5 PSLSs 1 WEST
LRS 0.5 PSLSs 1 Westloops Stonent search fearers are selected due.

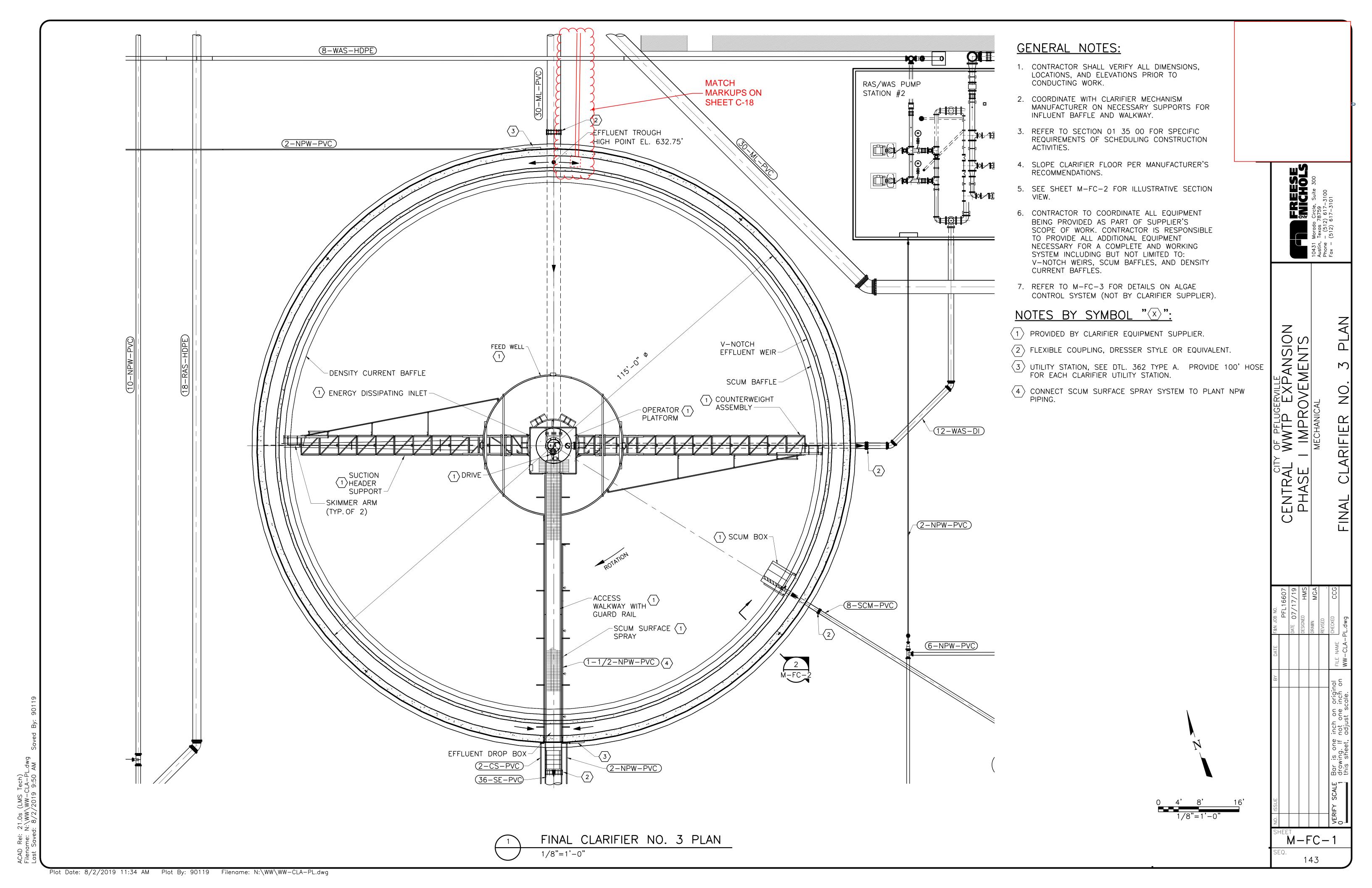
E-42

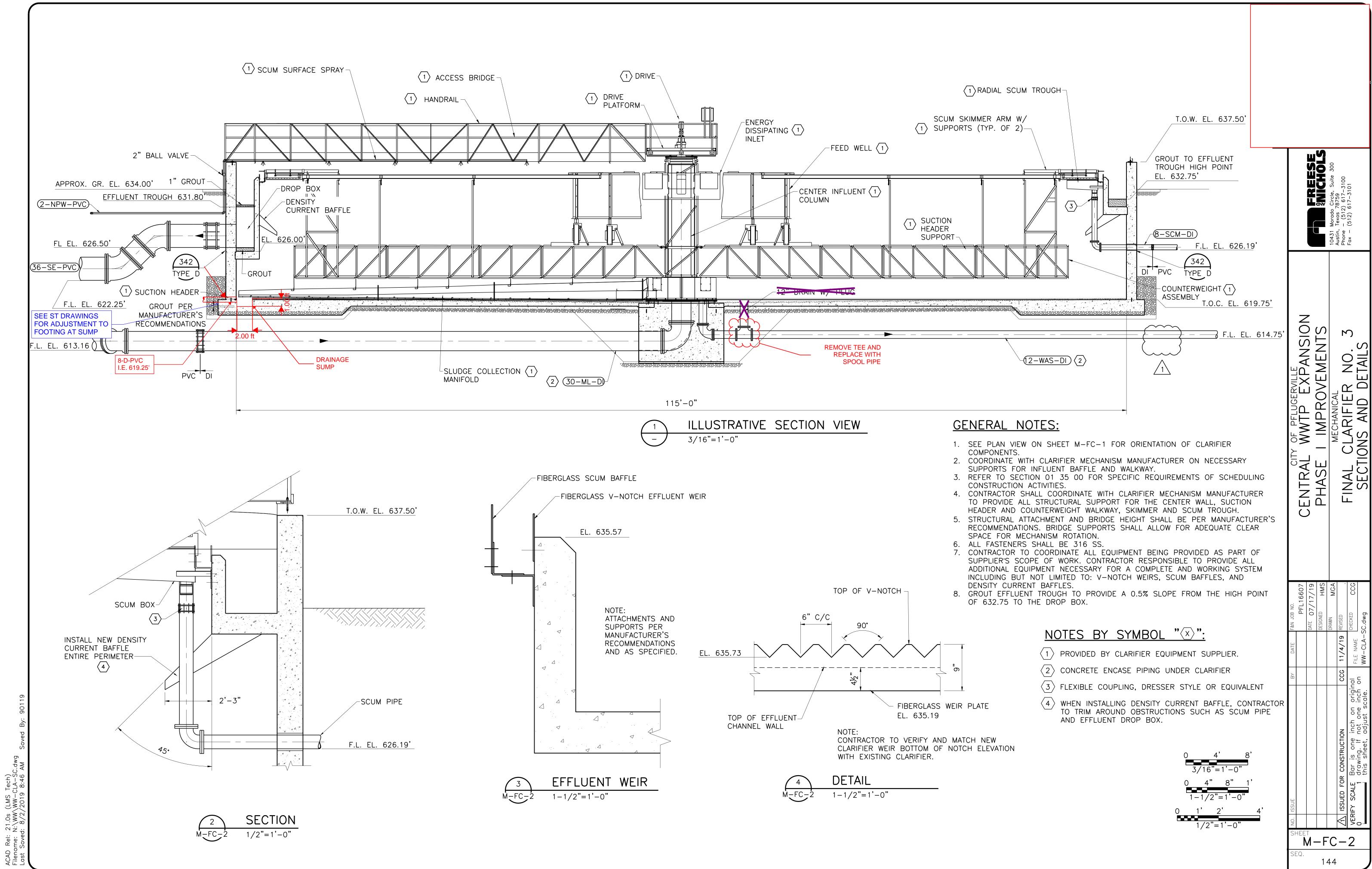
SEQ. 313



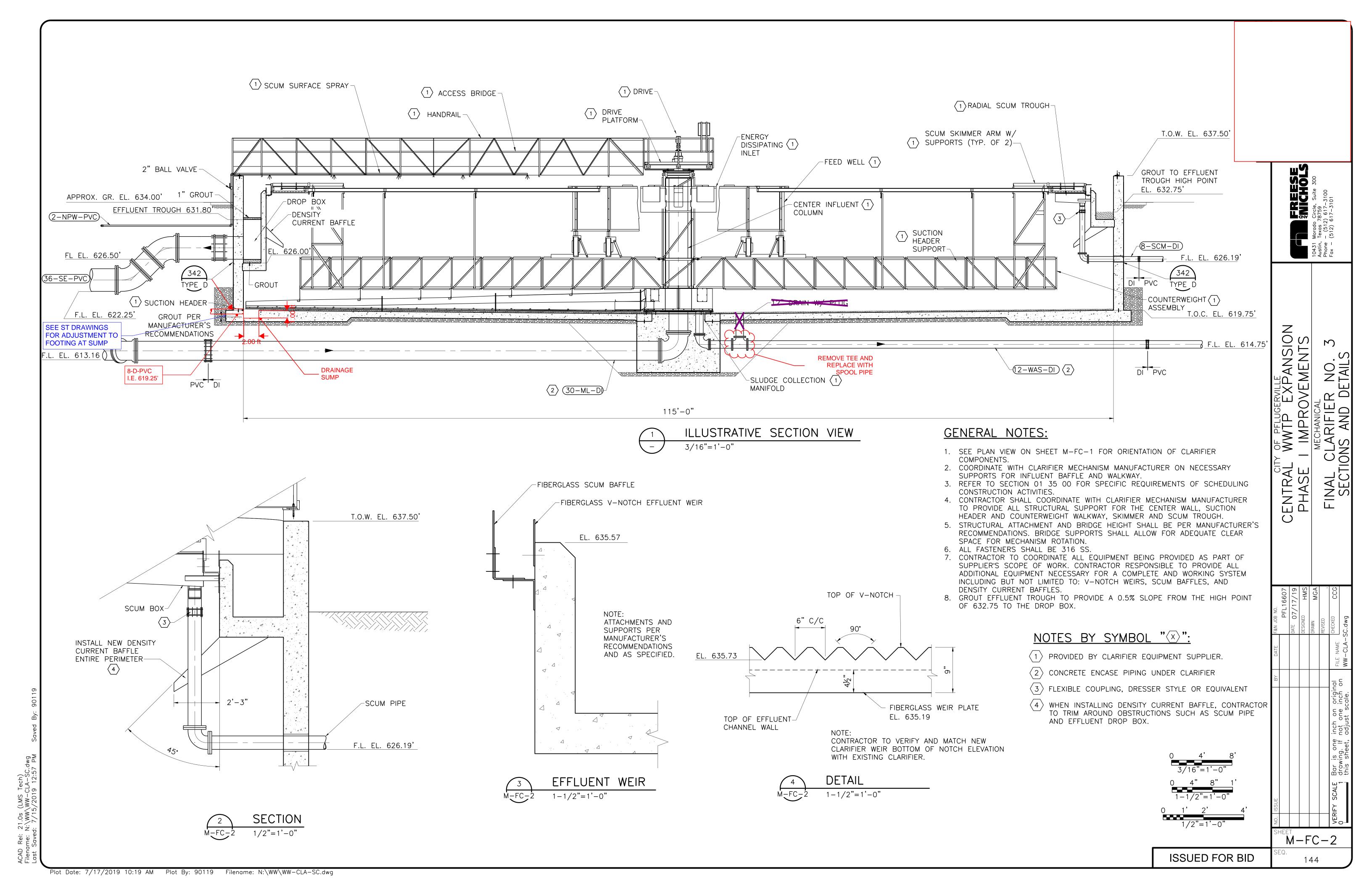
Item 2: Clarifier Drain Line

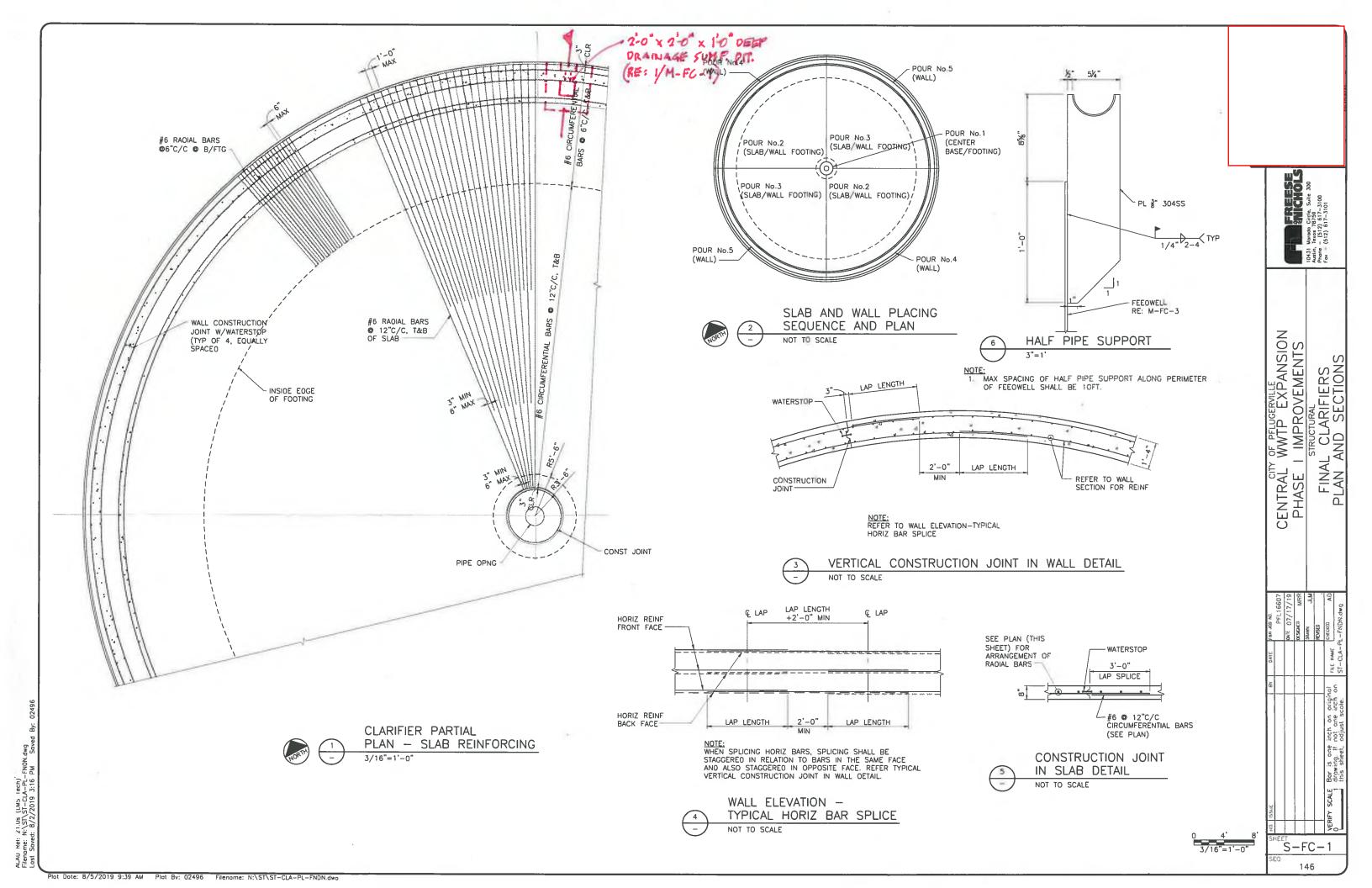






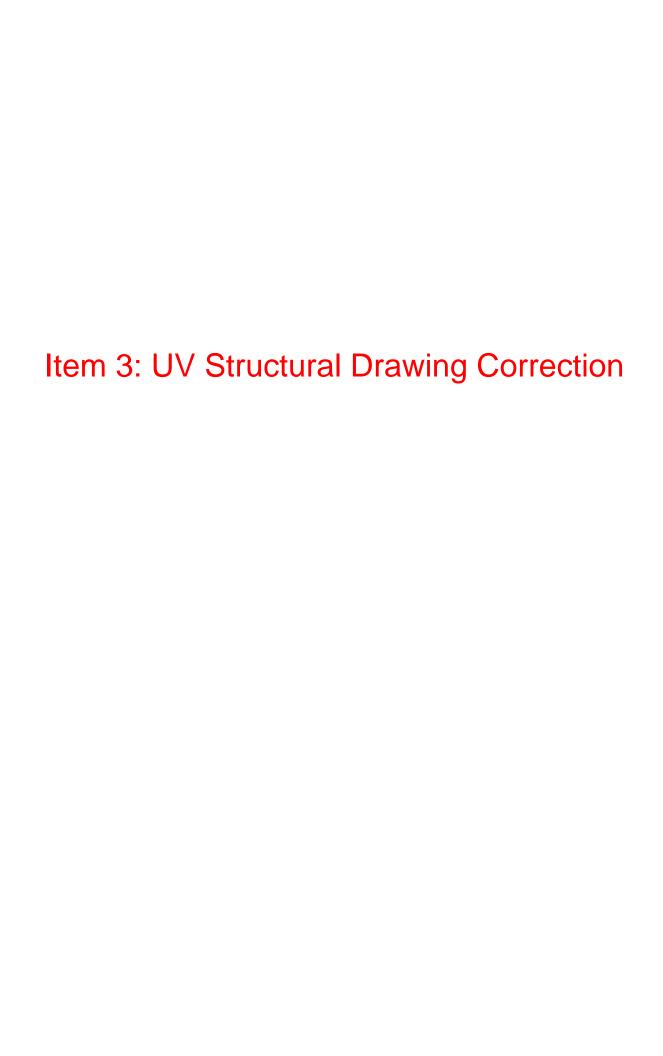
Plot Date: 10/21/2019 11:40 AM Plot By: 90119 Filename: N:\WW\WW-CLA-SC.dwg

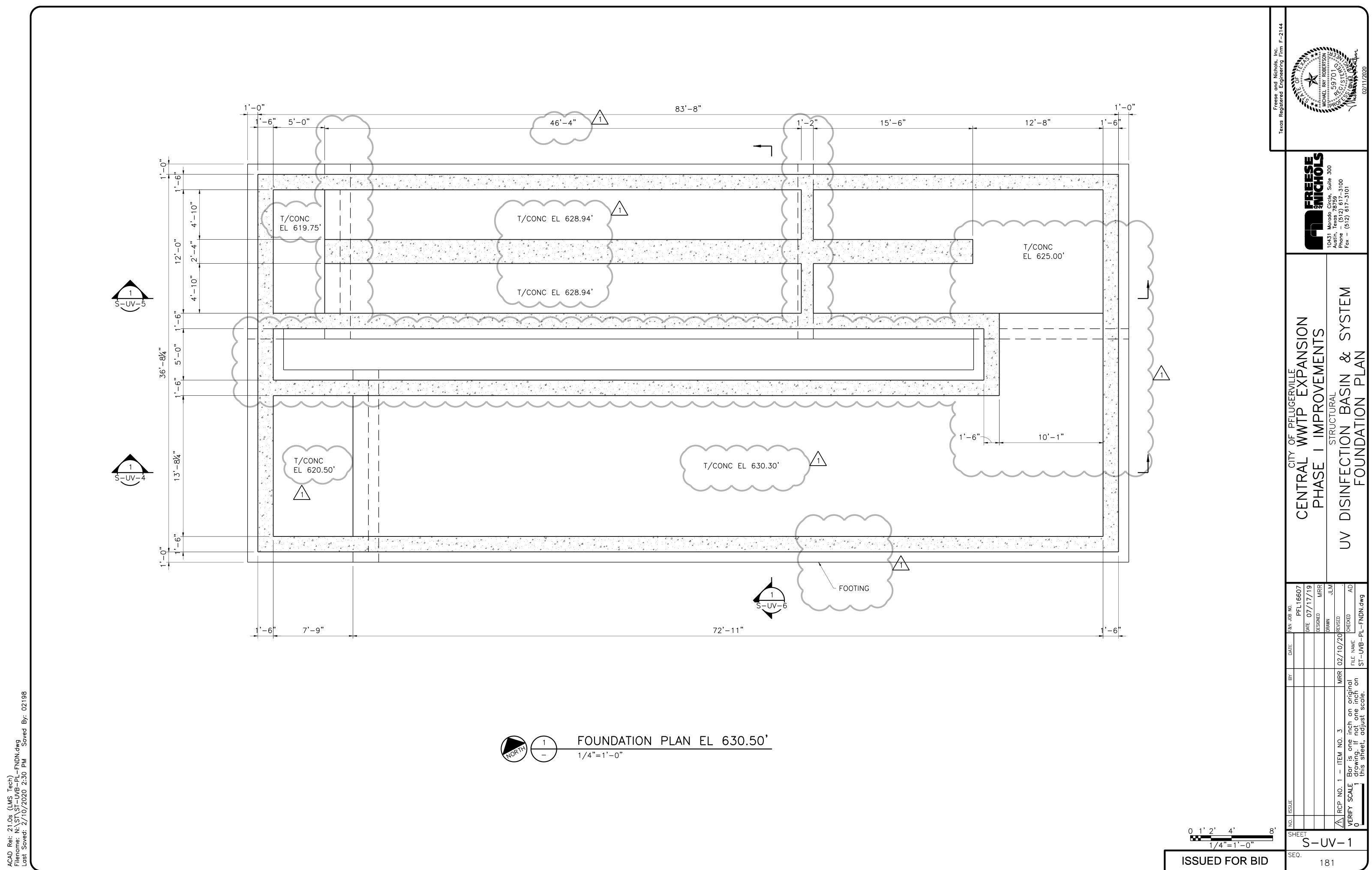




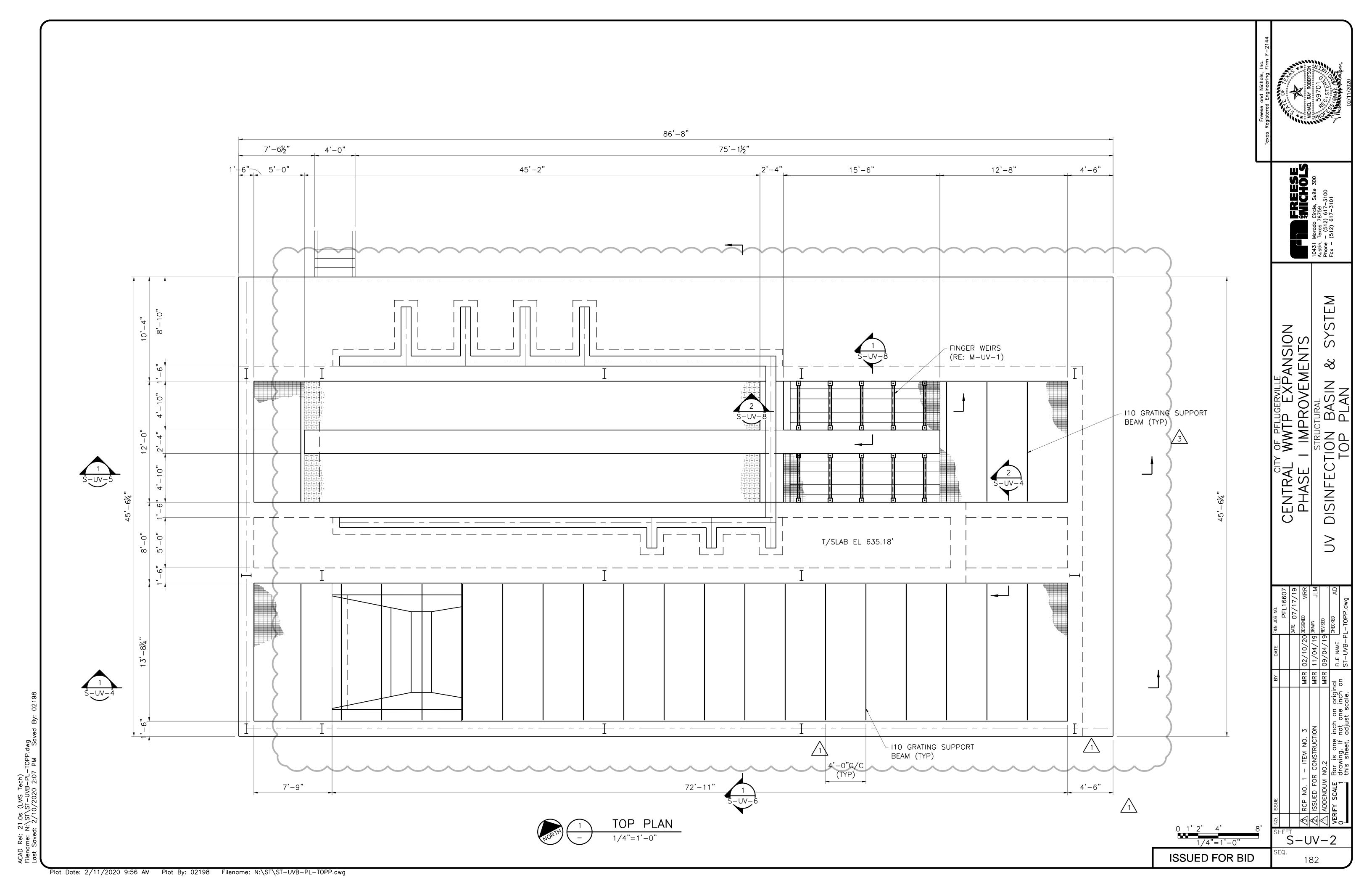
litie:	······		Date:
	-		Ву:
			<i>-</i>
		111	
			-8" PIPE (PE · MECH)
#G CIRCUMPE RENTIA BARY, THE CRES	L DIANA		LINE OF FOOTING
		446	T/FTG EL G19.75
	-6		4
5_		- 1-1 6	
	· · · ·		3
(BADAL BAD)			20
GRAPHL BARS			
#6 - RADIAL BARS -	3-6"		#6-CIRCUM-
e 12 de (MAX) (RE: PLAN)		4 3 44 3 41	FERENTIAL BARY
	4 2'ou 1 2'e	PK 1-4" N 1-0"	e 64 de, TAB
		1 co coulb be	
SE	CTION AT DRAIN	JAGE SUMP PI	

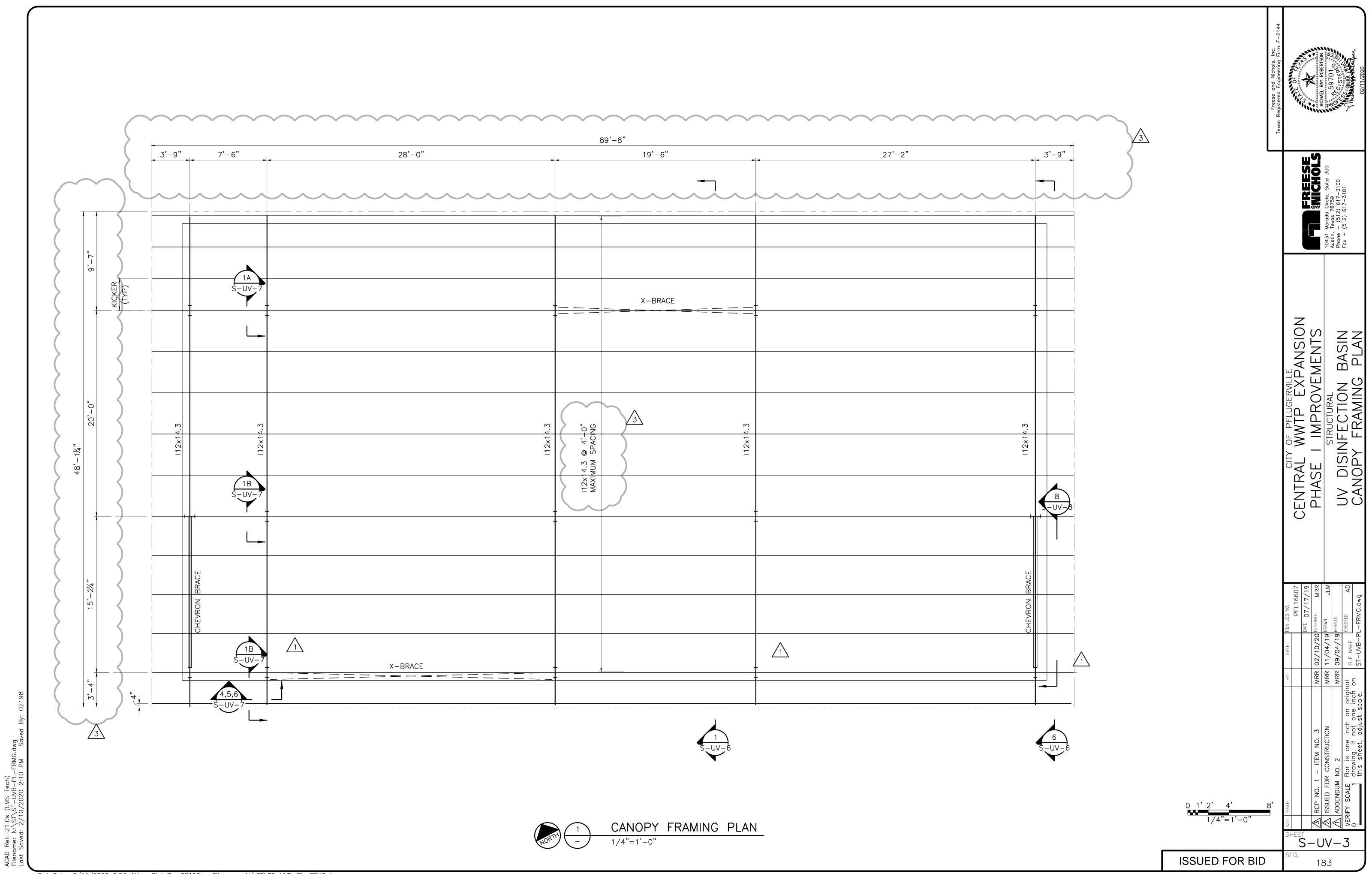
Page ____ Of __



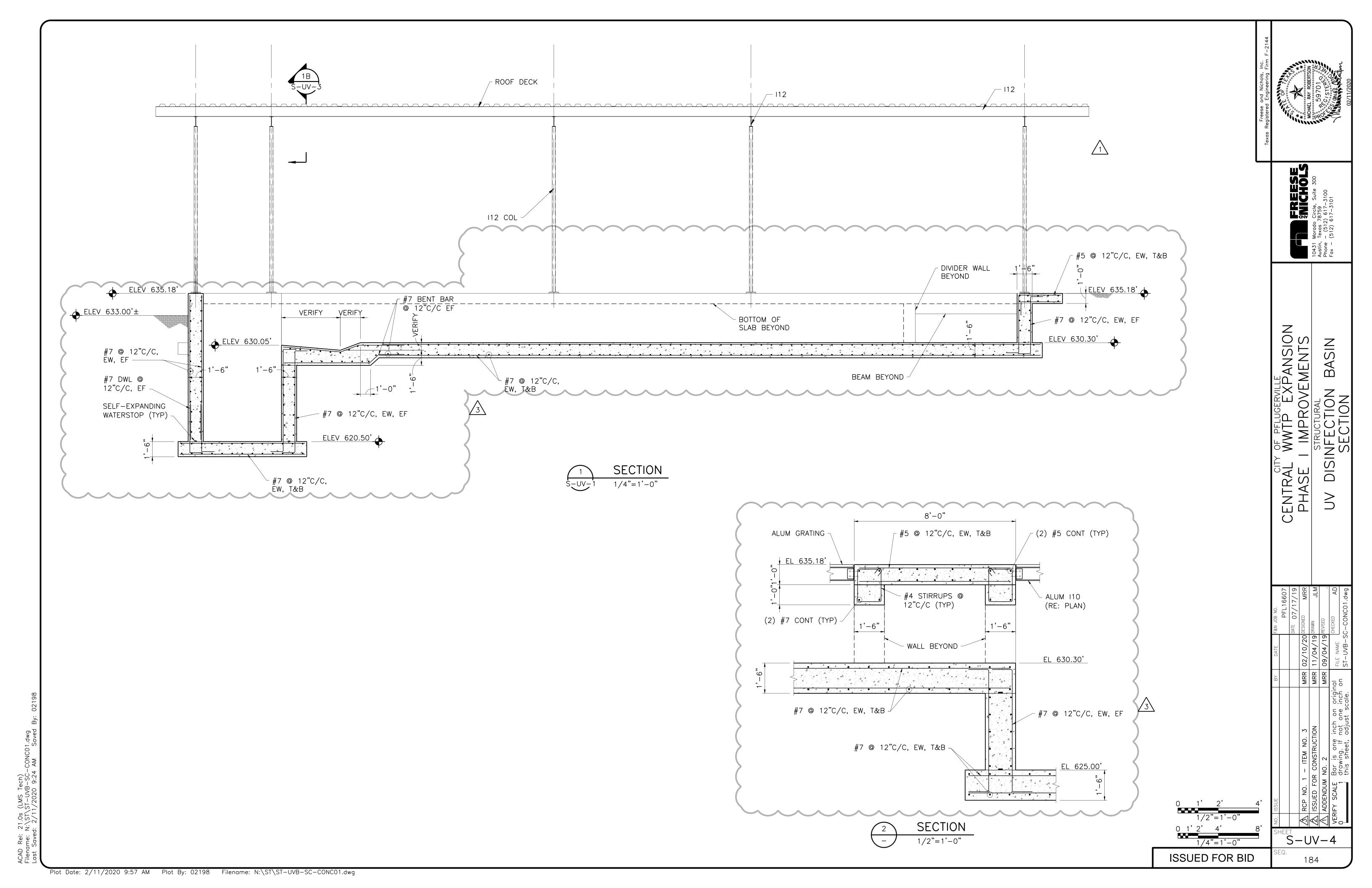


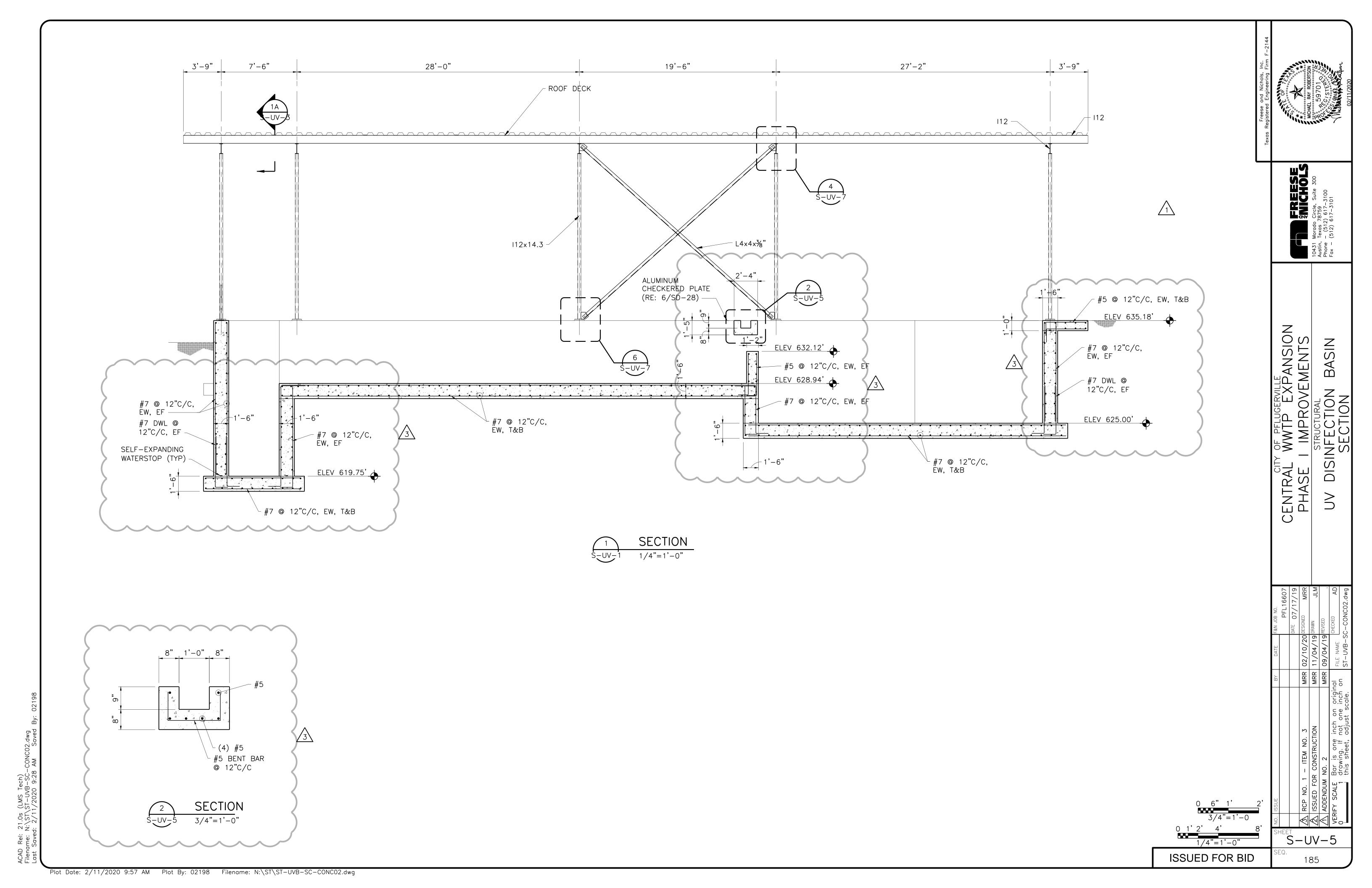
Plot Date: 2/11/2020 9:56 AM Plot By: 02198 Filename: N:\ST\ST-UVB-PL-FNDN.dwg

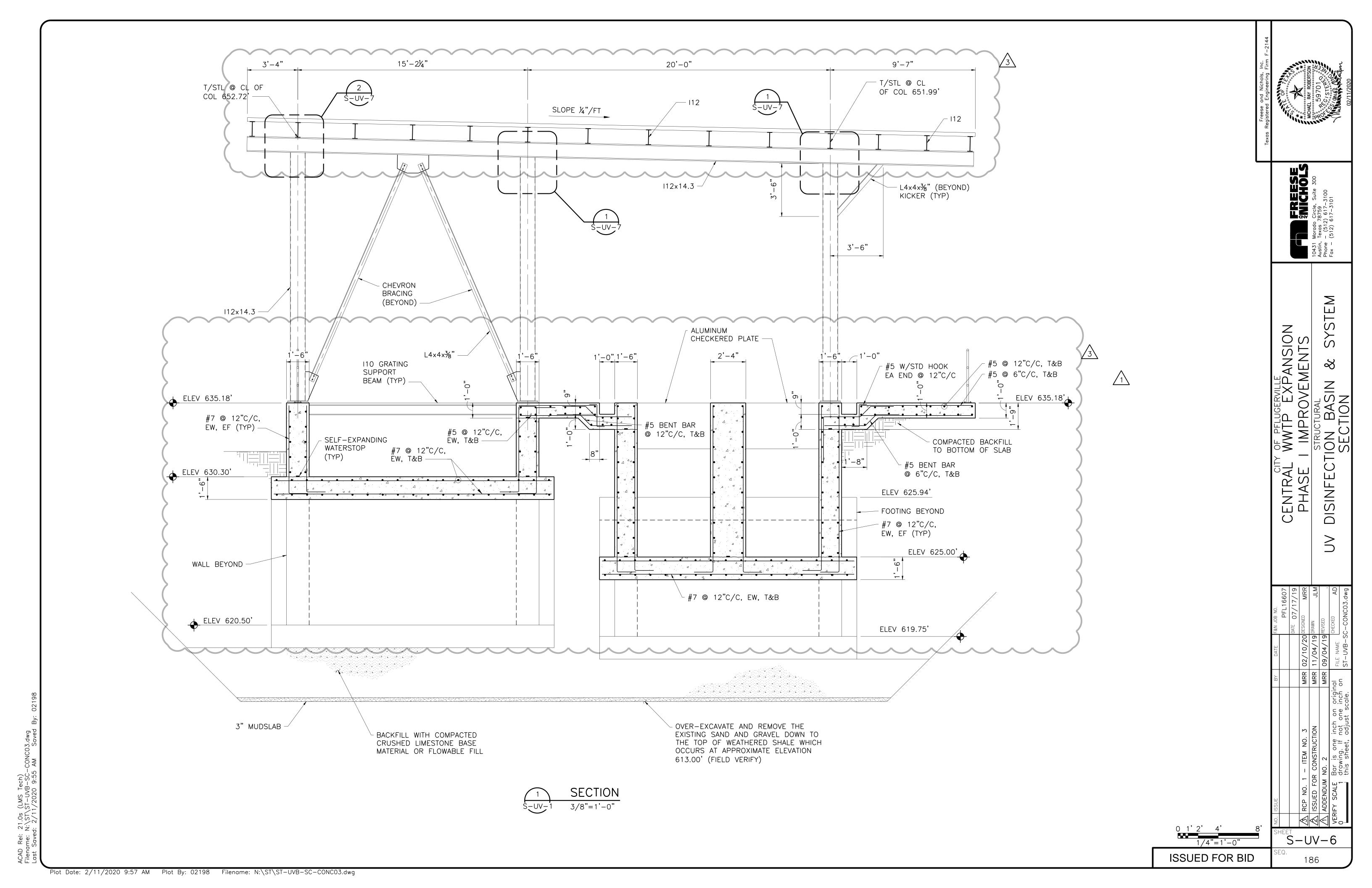


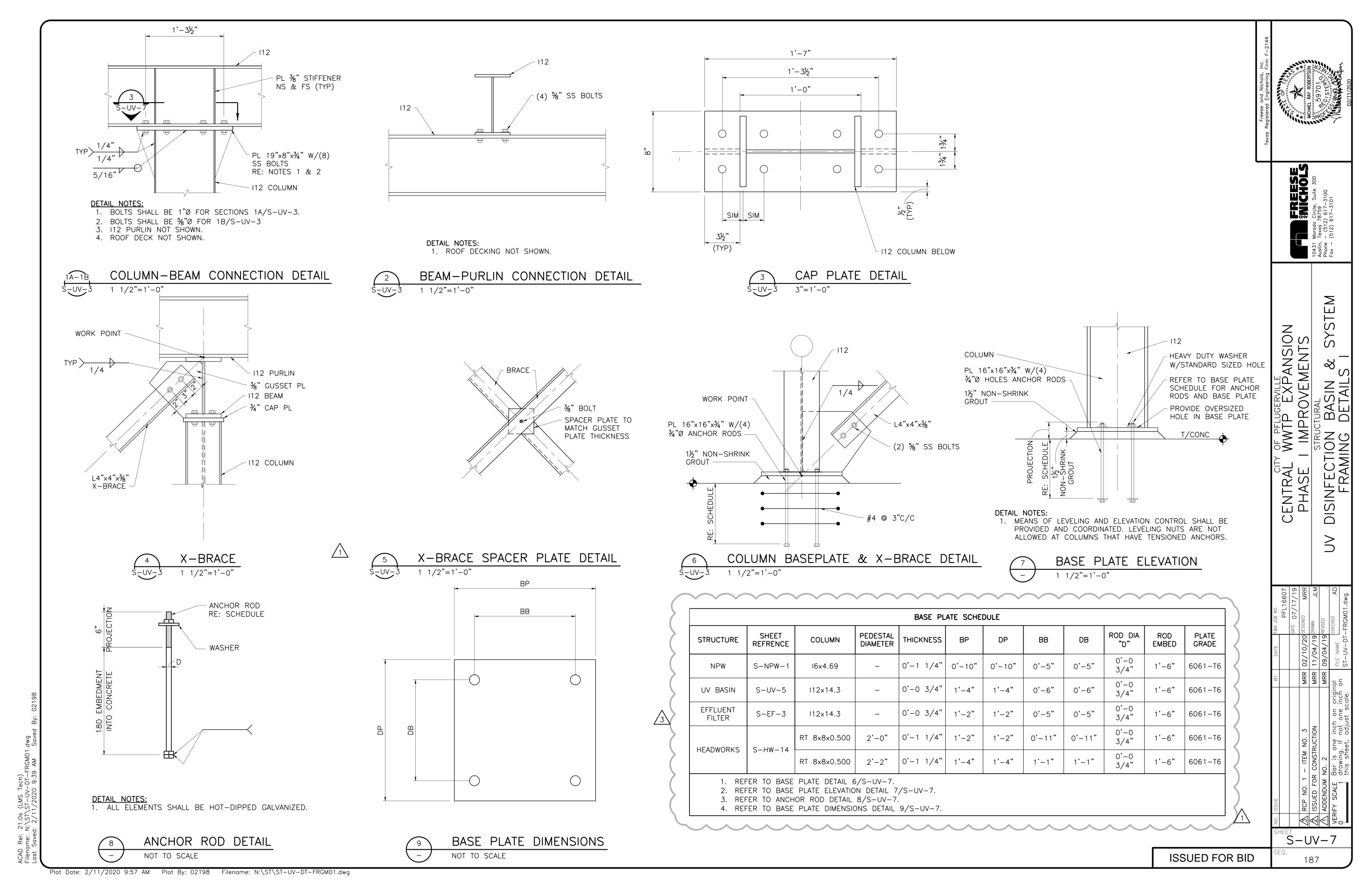


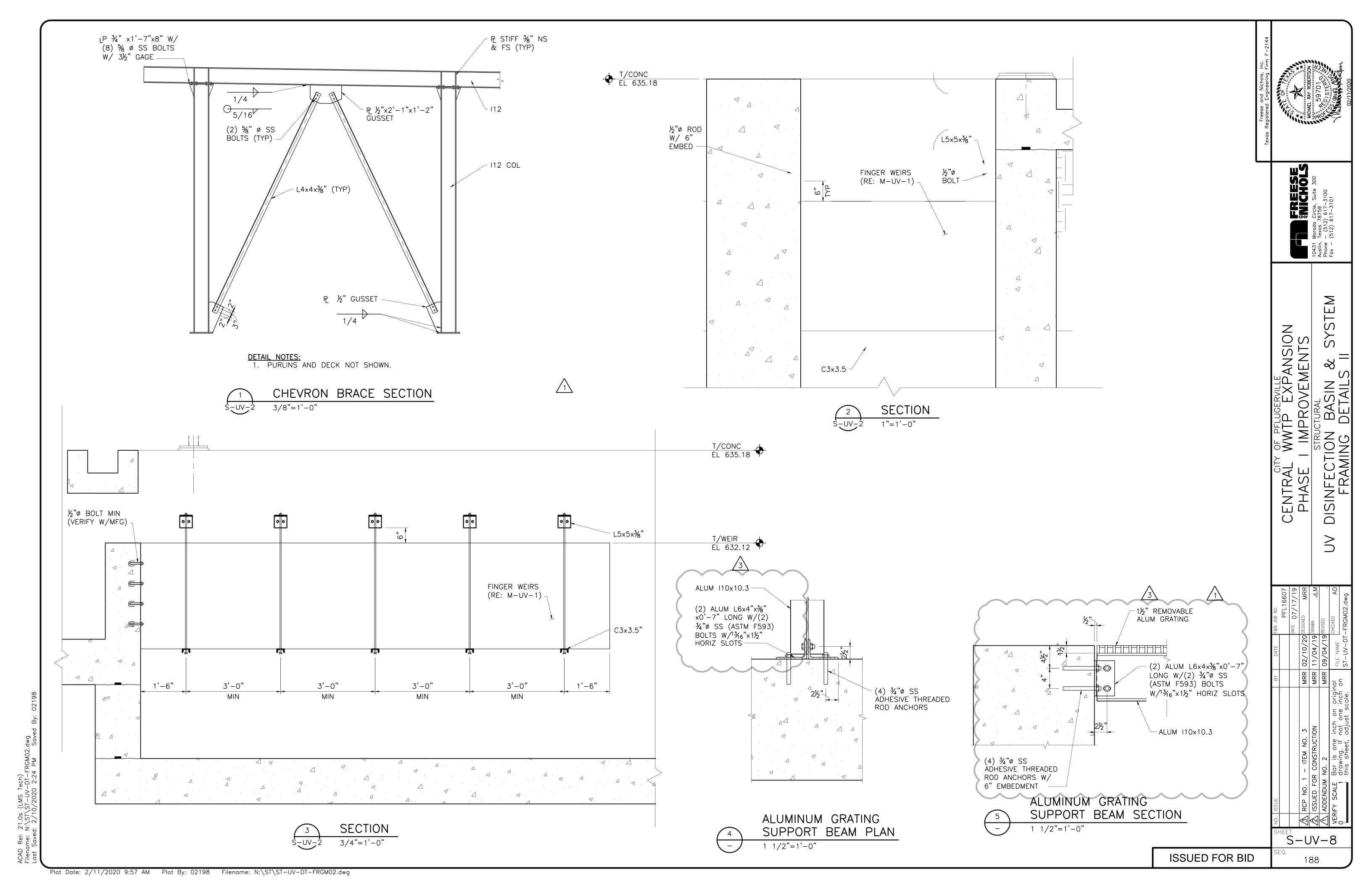
Plot Date: 2/11/2020 9:56 AM Plot By: 02198 Filename: N:\ST\ST-UVB-PL-FRMG.dwg



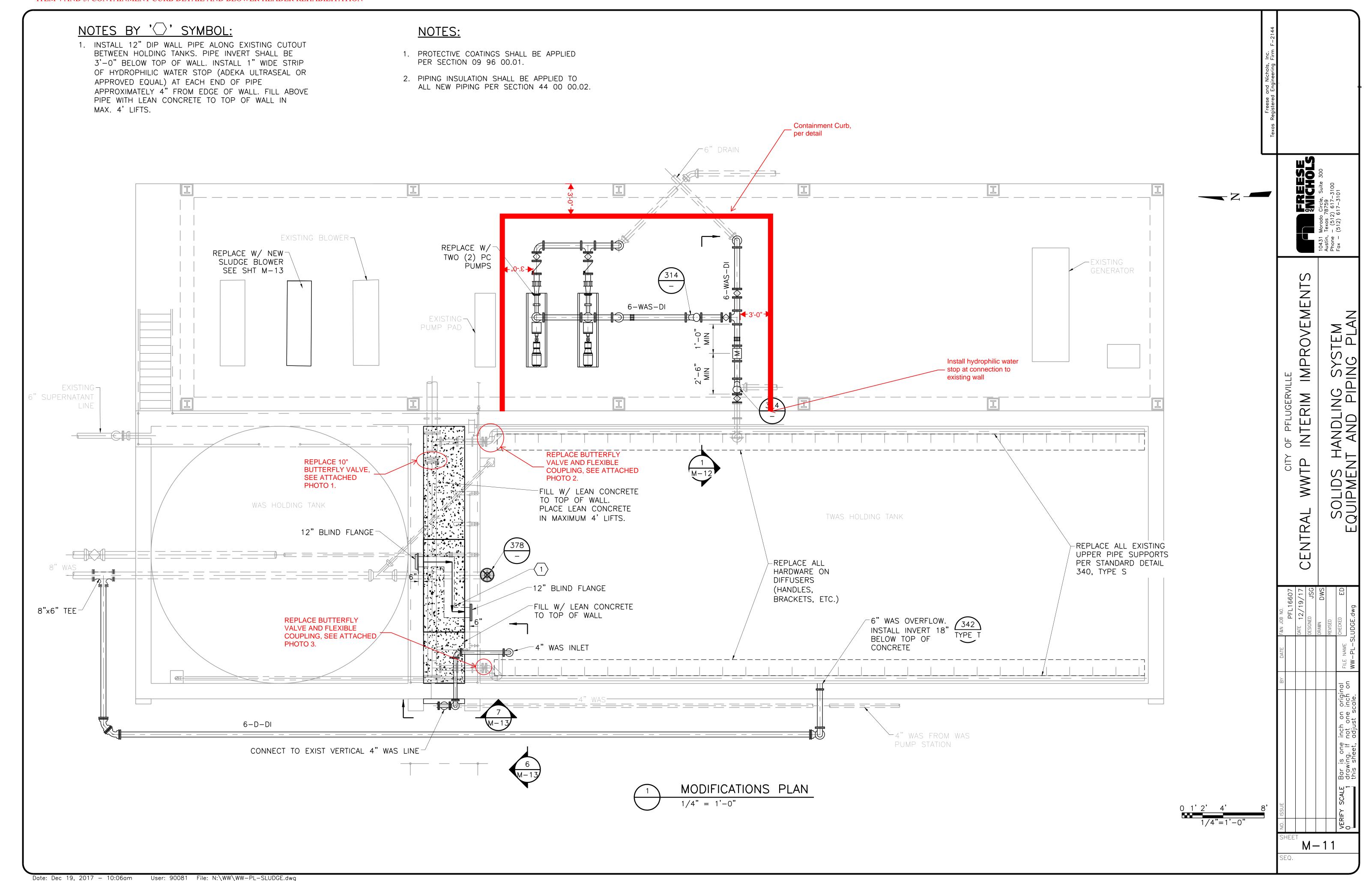




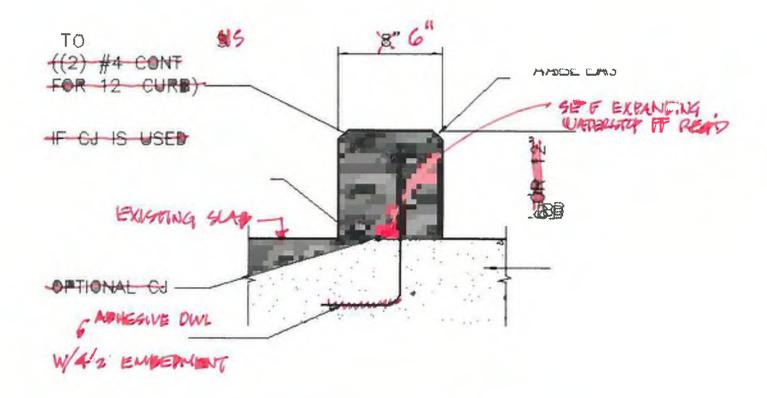








ITEM 4: CONTAINMENT CURB DETAIL



DETAIL NOTE:

-12" CURB REQUIRED AT HEADWORKS ONLY-UNLESS NOTED OTHERWISE. 6" CURB TYPICAL.

EIRE

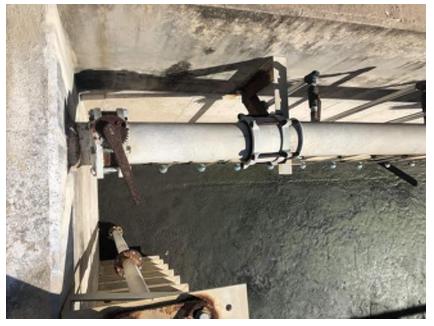
ITEM 5: BLOWER HEADER REHABILITATION PHOTOS



1. BUTTERFLY VALVE AND FLANGE ADAPTER ON 10" SS AIR HEADER



3. BUTTERFLY VALVE AND FLEXIBLE EXPANSION COUPLING ON 6" SS AIR HEADER



2. BUTTERFLY VALVE AND FLEXIBLE EXPANSION COUPLING ON 6" SS AIR HEADER



P.O. Box 10 · Lancaster, TX 75146

June 10, 2020

Mr. Matt Gaughan Plus Six Engineering 15500 Sun Light Near Way B Pflugerville, TX 78660

Re: City of Pflugerville, Texas

Central WWTP Expansion Phase I Improvements

Project No. PFL16607

CO001 – Includes Change Proposals listed below

Dear Mr. Gaughan,

Please find the attached pricing and quotations CP001, CP002, CP003, CP005, CP006, CP007. BAR Constructors, Inc. requests an ADD to the contract amount of \$288,607.76 and a time extension of 34 calendar days. Below are those inclusions and exclusions associated with this work.

Inclusions:

- As stated in the related Change Proposals.
- All "Assumptions" as stated in the related Change Proposals.

Exclusions:

- Any exclusions stated in the attached quotation(s).
- Anything not explicitly stated as an inclusion.

Sincerely,

Dennis J. Berger Project Manager BAR Constructors, Inc.



Pflugerville CWWTP Phase I Improvements

Change Order 001 6/10/2020

Cost Proposal	Name	Reference Document	Approval Status	Requested Additional Days	CP Cost
CP001	Phos., Clar Drain, Sludge and Misc. Items	RCP0001	Approved	21	\$ 140,472.72
CP002	Thoroseal	Email Request	Approved	7	\$ 30,860.89
CP003	Change of Embeds to Aluminum & Additional Support Beams	RFI009 and Submittal	Approved	0	\$ 20,586.03
CP004	Temp Comms from EB4 to BioSolids		Canceled		\$ -
CP005	Temp Comms Admin and Field Operations	Unknown Field Conditions	Approved	0	\$ 7,299.50
CP006	CIP 60in ML Splitter_Junction Box	RFI-32	Approved	0	\$ (7,626.27)
CP007	Temporary LS for Interceptor	Email Request	Approved	6	\$ 97,014.89
			To	tal: 34	\$ 288,607.76

Project:	Central Wastewater Treatment Plant		Project Number:								
Owner:	City of Pflugerville		88								
Contractor:	BAR Constructors, Inc		279								
Engineer:	Freese and Nichols, Inc		PFL16607								
Change Prop Specification Drawing No		Phosphorus/Clarifier/Sludge Ha Modifications	and UV Structure								
Reference D	ocument:										
•	for a Change Proposal No.: 0001 wing Deviation Request No.:	☐ Request for Information No☐ Field Order No.:	o.:								
1. Rep anal 2. Add 3. Add grat 4. Insta 5. Blov	 Contractor proposes the following modifications to the Contract Documents: Repurposing of the existing phosphorus analyzer building and equipment and addition of a new phosphorus analyzer building. Addition of a new Clarifier sump and associated 8: PVC drain line to tie into existing 10" drain line. Addition of new grating support beams and grating over finger weirs and change the size of the existing grating support beams. Installation of 6" concrete containment curb around progressing cavity pumps in solids handling area Blower head rehabilitation, replacement of leaking valves and couplings at the solids handling area. 										
Attachment CP0001	Change Proposal:										
Requested A	Action:										
☐ Issue a F	ield Order 🔀 Issue a Work Change	e Directive or Change Order for t	the described changes								
Basis of Con	npensation:										
☐ Unit Pric	es 🗵 Lump Sum calculated using Co	ost of Work provisions in Genera	al Conditions Paragraph 13.01								
☐ Time and	Materials using Cost of Work provisions	in General Conditions Paragrap	h 13.01								
Required Do	ocumentation:										
	cost breakdown attached showing labor, attached to show impacts and justificati	• •	-								
Total Chang	e Proposal Amount: \$140,472.72	Adjustment in Co	ontract Times (days): 21								

Change Proposal Page 1 of 2

Project:	Central Wastewater Treatment Plant	Project	Number:							
Owner:	City of Pflugerville	88								
Contractor:	BAR Constructors, Inc	279								
Engineer:	Freese and Nichols, Inc	PFL16607								
The compensation offered for this Change Proposal is the full, complete, and final compensation for all costs the Contractor may incur as a result of or relating to this change whether said costs are known, unknown, foreseen, or unforeseen at this time, including without limitation, any cost for delay, extended overhead, ripple or impact cost, or any other effect on changed or unchanged Work as a result of this Contract Modification. Requested changes in Contract Times are the complete and final adjustments for direct impacts to the ability of the Contractor to complete the Work within the Contract Times and are the only adjustments to which the Contractor is entitled. Except as modified hereby, the Contract Documents and all of the terms and provisions thereof remain in full force and effect.										
Certified by:	Dennis Berger	Date:	6/8/2020							
Action:										
☐ Field Ord	er No.: Issued 🗵 Change Order No.: 0001 Issued									
☐ Contract	Amendment No.: Issued		Issued							
☐ Change P	roposal Not Accepted $\ \square$ Additional information required. See co	mments.	☐ Cancelled							
Comments: To be include	ed in CO0001 along with CP0002, CP0003, CP0005,CP0006 and CP0007									
Response by	:Innathan Iran	Date:	6/10/2020							

Change Proposal Page 2 of 2



P.O. Box 10 · Lancaster, TX 75146

June 8, 2020

Mr. Matt Gaughan Plus Six Engineering 15500 Sun Light Near Way B Pflugerville, TX 78660

Re: City of Pflugerville, Texas

Central WWTP Expansion Phase I Improvements

Project No. PFL16607

CP001r3 Phos. Analyzer Repurposing, Clarifier Drain Line, Sludge Handling Items

and Submersible Influent Sump Pumps

Dear Mr. Gaughan,

Please find the attached pricing and quotations for RCP-001. BAR Constructors, Inc. requests an ADD to the contract amount of \$140,472.72 and a time extension of 21 calendar days. Below are those inclusions and exclusions associated with this work.

Inclusions:

- As stated in RCP-001
- All "Assumptions" as stated in RCP-001

Exclusions:

- Any exclusions stated in the attached quotation(s).
- Anything not explicitly stated as an inclusion.

Sincerely,

Dennis J. Berger Project Manager BAR Constructors, Inc. BAR Constructors, Inc. - Cost Detail Worksheet Job Name: Central WWTP Expanison Phase 1 Job # 279 Date: 06/08/2020 Proposal No. CP001r3

14			Phosporus Analyzer Repurposing Clarifler Drain					UV Structural Drawing Correction PC Pump Containment Curb			Blower Header Rehab				Sludge HT Level Sensor													
Labor				-	Phosporus Analyzer Repurposing			r			Ciantier Drain	·		UVS	UV Structural Drawing Correction PC Pump Containment Curb			Blower Header Kenab					Siudge H	11 Level Sensor	+			
						_		_					_				_											-
													Day 4			Day 3 Day 4									_			Total
Phosporus Analyzer Repurposing	Rate	Manpo		Unit	Day 1	Day 2	Day 3	Day 4		Day 1	Day 2	Day 3	Day 4	Day 1	Day 2	Day 3 Day 4	4	Day 1 Day	2 Day 3		Day 1	Day 2	Day 3	Day 4	Da	y 1	Day 2 Day 3	
Foreman Oversight of Phosporus		00 1		HR HR	4	4	4	4					_				_											\$ 64
1" Install Crushed Stone Under Slab (Labors)	\$ 24.	00 2			2																							\$ 9 \$ 3
1" Install Crushed Stone Under Slab (Operator)	\$ 32.	00 1		HR	1																							\$ 3
Select Fill Under Slab (Labors)		00 2		HR	4																	_						\$ 19
Select Fill Under Slab (Operator)		00 1		HR	1																							\$ 3
Fine Grade Drit (Labors)	\$ 24.	00 2		HR	3																							\$ 14
Fine Grade Dirt (Operator)		00 1		HR	3																							\$ 9
Form Slab for Phosporus Building (Form Setters)	\$ 30.	00 2		HR		4																						\$ 24
Pour Slab for Phosporus Building (Concrete)	\$ 26.	00 4		HR			5																					\$ 52
DLB 2" Drain (Pipe Layer)	\$ 30.	00 1		HR	8	8																						\$ 48
DLB 2" Drain (Labor)	\$ 24.	00 2		HR	8	8																						\$ 76
DLB 2" Drain (Operator)	\$ 32.	00 1		HR	8	8																						\$ 51
Hydro Test Drain (Pipe Layer)		00 1		HR		8																						\$ 24
Hydro Test Drain (Labor)		00 1		HR		8																1						\$ 19
Install New FRP Building (Labors)		00 4		HR		1	8	1																				\$ 76
Install New FRP Building (Operator)		00 1		HR			3	1																				\$ 9
Relocate Building and Equipment (Operator)		00 1		HR			- 3	4			1 - 1				_				_			+	1					\$ 12
Relocate Building and Equipment (Operator) Relocate Building and Equipment (Labors)		00 4		HR		l	—	8			1 1				_				_			1	1	_				S 76
Sample Piping (Labors)		00 2		HR				4														_						\$ 19
	3 24.	2		nn				-														_						3 19
Clarifier Drain		00 1		HR				1		8	8		_		_							+	-					S 64
Foreman Oversight of Clarifier Drain		00 1		HR		_		_		8	8		_				_											\$ 54
DLB 8" Drain (Operator)						_		_		8			_				_											
DLB 8" Drain (Pipe Layer)		00 1		HR						8	8																	\$ 48
DLB 8" Drain (Labor)		00 2		HR						8	8																	\$ 76
Install Wall Sleeve (Labor)		00 2		HR						2												_						\$ 9
F&P CO Pads (Labors)		00 2		HR							4											_						\$ 19
Hydro Test Drain (Pipe Layer)		00 1		HR							8											_						\$ 24
Hydro Test Drain (Labor)		00 1		HR							8																	\$ 19
Installation of Plug Valves (Labors)		00 2		HR								4																\$ 19
Form Concrete Sump(Form Setters)		00 2		HR									2															\$ 12
Pour Concrete Sump (Concrete)	\$ 26.	00 2		HR									1															\$ 5
PC Pump Containment Curb																												\$
Foreman Oversight of Pump Containment Curb	\$ 40.	00 1		HR														4 4										\$ 32
Roughen Slab (Labors)	\$ 24.	00 2		HR														8										\$ 38
Drill and Epoxy Dowels (Labors)		00 2		HR														4										\$ 19
Install Hydrophilic WS (Labors)		00 2		HR														4										S 19
Form Curb (form Setters)		00 4		HR		1												8				1						\$ 96
Pour Curb (Concrete)		00 3		HR				1											4									\$ 31
Blower Header Rehab	1					1																						
Foreman Oversight of Blower Header Rehab	s 40	00 1		HR		l	—				1 1				_				_		8	8	1	_				\$ 64
Replace Valves and Adapters (Pipe Layers)		00 4		HR				1			1 -																	S 96
replace varies and reaports (ripe LilyElS)	30.	-				t	-	t			+ +										<u> </u>	+	t					é 90
						t	-	t			+ +											+	t					
		_		_		1	 	1			+		_					_			-	+	1					
				\rightarrow		 	-	1			+								_			+	+			-		
	+		\rightarrow	\rightarrow		-	-	 			+ +				+		_			_		+	+					\$ e
		_		-		-					+ +		_				_		_			+	+					- 1
		_		-		-					+ +		_				_		_			+	+					- 5
		_				-	-	1			+ +						_		_			+	-					\$
Subtotal		_									+ +								_				-					\$ 13,58
Payroll Taxes and Insurance (55%)							1																					\$ 7,46
Total Labor																												\$ 21,04

BAR Constructors, Inc. - Cost Detail Worksheet Job Name: Central WWTP Expanison Phase 1 Job # 279 Date: 06/08/2020 Proposal No. CP001r3

Non-Taxed Material	Rate		Phosporus Analyzer I	Repurposing		Clarifier Drain	UV Stru	ctural Drawing Correction		PC Pump Containment Cu	b	Blower Header Rehab		Sludze I	HT Level Sensor	e	
Phosporus Analyzer Repurposing														5.54			
1" Crushed Stone Under Slab	\$ 36.00	CY	3													s	108.00
Select Fill Under Slab	\$ 25.00	CY	3													Š	75.00
	\$ 1.400.00	LS														Š	1.400.00
Ferguson Pipe Material for Phos	\$ 1,834.23	LS	1													· ·	1,834.23
Concrete for Slab	\$ 150.00	CY	4													,	600.00
Pipe Embedment for 2" Drain	\$ 29.00	CY		10												3	870.00
New FRP Building	\$ 9,970.00	LS	1	10		+										3	9,970.00
New HKP Building															-	5	
Misc Materials for hanging 1" Sample Line	\$ 500.00	LS	1												_		500.00
Clarifier Drian	\$ (1,893.67)	_			1											\$	(1,893.67)
Ferguson Credit for Clarifier Drain		LS			1											\$	
Ferguson Pipe for Clarifier Dain	\$ 8,484.51	LS			1											\$	8,484.51
8" Pipe Bedding	\$ 30.00	CY			18											\$	540.00
Concrete Encasement	\$ 2.00	CY			150											\$	300.00
Concrete and Misc Materials for CO Pads	\$ 200.00	CY			1											\$	200.00
Concrete and Misc Materials for Sump	\$ 290.00	LS			1											\$	290.00
UV Structural Drawing Correction																\$	
Cody Builders Material Change	\$ 26,937.00	LS					1									\$	26,937.00
PC Pump Containment Curb																s	
Misc Forming Material for Curb	\$ 650.00	LS								1						s	650.00
Concrete for Curb	\$ 150.00	CY								2						9	300.00
Epoxy Dowels	\$ 200.00	LS								1							200.00
Epoxy Dowers		LS								1						3	576.00
Epoxy	\$ 576.00	LS								1						- 3	376.00
Blower Header Rehab	\$ 5,520,46	 		-		+ + +									-	5	
Ferguson Pipe and Valves	5 5,520.46	 LS		-		+ + +					1				-	\$	5,520.46
		_		-												\$	
		_				1 1										\$	
Subtotal				1												ş	57,461.53
Taxed Material			Phosporus Analyzer I	Repurposing		Clarifier Drain				PC Pump Containment Cu	b	Blower Header Rehab		Sludge I	HT Level Sensor	r	
	-	Т		1												s	
																Š	
Subtotal Taxed Material + 8.25%																Š	
General Condition Material																	
Small Tools 5% labor																5	679.00
Total Material																	58.140.53
Equipment	Rate		Phosporus Analyzer I	Repurposing		Clarifier Drain	UV Stru	ctural Drawing Correction		PC Pump Containment Cu	ь	Blower Header Rehab		Sludge I	HT Level Sensor	er To	tal
Phosporus Analyzer Repurposing																	
Rubber Tire Backhoe Delivery & Pickup Charge	\$ -	LS														s	
Rubber Tire Backhoe Delivery & Pickup Charge Rubber Tire Backhoe 1" Crushed Stone	\$. \$ 410.00	DAY	0.5													\$	205.00
Rubber Tire Backhoe Delivery & Pickup Charge Rubber Tire Backhoe 1" Crushed Stone Rubber Tire Backhoe Select Fill	\$ 410.00	DAY	0.5 0.5													\$ \$ \$	205.00 205.00
Rubber Tire Backhoe Delivery & Pickup Charge Rubber Tire Backhoe 1º Crushed Stone Rubber Tire Backhoe Select Fill Rubber Tire Backhoe Fine Grade Dirt	\$ - \$ 410.00 \$ 410.00 \$ 410.00	DAY DAY DAY	0.5 0.5													\$ \$ \$ \$	205.00 205.00 410.00
Rubber Tire Backhoe Delivery & Pickup Charge Rubber Tire Backhoe 1* Crushed Stone Rubber Tire Rockhoe 1* Crushed Stone Rubber Tire Backhoe Select Fill Rubber Tire Backhoe Select Fill Ski Excustor Delivery & Pickskup Charge	\$ 410.00 \$ 410.00 \$ -	DAY DAY DAY DAY	0.5 0.5 1 1													\$ \$ \$ \$	410.00
Rubber für Backhoo Believer, A Pickup Charge Rubber für Backhoo 1 *Crushed Stone Rubber für Backhoo 1 *Crushed Stone Rubber für Backhoo Fielect fill Rubber für Backhoo Fielect fill 358 Excayotor Delivery & Pickup Charge 358 Excayotor Delivery & Pickup Charge 358 Excayotor Telling für Stone **Torini** **	\$ 410.00 \$ 410.00 \$ - \$ 1,080.00	DAY DAY DAY DAY	0.5 0.5 1 1													\$ \$ \$ \$ \$	1,080.00
Rubber Tie Backhoo Delivery & Pickup Charge Rubber Tie Backhoo Eelivery & Pickup Charge Rubber Tie Backhoo Eeliver Hill Rubber Tie Backhoo Eeliver Hill Rubber Tie Backhoo Fiele Grade Ditt 354 Dicarator Cellwery & Pickup Charge 354 Dicarator 2" Orain Compactor Compactor	\$ 410.00 \$ 410.00 \$ \$ 1,080.00 \$ 95.00	DAY DAY DAY DAY DAY	0.5 0.5 1 1 2													\$ \$ \$ \$ \$ \$	1,080.00 190.00
Robber Tie Backhoo Delivery & Pickup Charge Robber Tie Backhoo Elevinery & Pickup Charge Robber Tie Backhoo Select Fill Robber Tie Backhoo Select Fill Robber Tie Backhoo Select Fill Sib Excandor Cellivery & Pickup Charge Sib Excandor Cellivery & Pickup Charge Sib Excandor Cellivery & Pickup Charge Compactor Hydrostatic Est Pump	\$ 410.00 \$ 410.00 \$ - \$ 1,080.00	DAY DAY DAY DAY	0.5 0.5 1 1 2													\$ \$ \$ \$ \$ \$ \$	1,080.00
Robber Tire Backhoe Delivery & Rolug Charge Robber Tire Backhoe Delivery & Rolug Charge Robber Tire Backhoe Select Yill Robber	\$ 410.00 \$ 410.00 \$ \$ 1,080.00 \$ 95.00	DAY DAY DAY DAY DAY DAY DAY LS	0.5 0.5 1 1 1 1 1 2													\$ \$ \$ \$ \$ \$ \$ \$	1,080.00 190.00
Salder Tire Baddon Delhori & Richigo Druge Marker Tire Baddon Carl Vouder Stow Marker Tire Baddon Carl Vouder Stow Marker Tire Baddon Carl Badder Tire Baddon Carl Badder Tire Baddon Carl Badder Tire Baddon Carl	\$ 410.00 \$ 410.00 \$ \$ 1,080.00 \$ 95.00 \$ 500.00	DAY DAY DAY DAY DAY DAY LS	05 05 1 1 1 2 2		1											\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,080.00 190.00 500.00
Salder Ter Backbox Bellow's & Ricking Owen Salder Ter Backbox Bellow's Bellow's Bellow's Bellow's Bellow's Bellow's Bellow's Bellow Ter Backbox Ter B	\$ 410.00 \$ 410.00 \$ \$ 1,080.00 \$ 95.00	DAY DAY DAY DAY DAY DAY LS DAY	05 05 1 1 1 2 2		1 2 2											\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,080.00 190.00 500.00
Radder Tier Backboo Selbrion I, Briding Durger Radder Tier Backboo Selbrion I, Briding Durger Backboo Tier	\$ 410.00 \$ 410.00 \$ \$ 1,080.00 \$ 95.00 \$ 500.00	DAY DAY DAY DAY DAY DAY DAY LS	05 05 1 1 1 2 2		1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1											\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,080.00 190.00 500.00
Robber Tier Backbor Deliver's B Finding Druger Robber Tier Backbor Deliver's B Finding Druger Robber Tier Backbor Deliver's B Finding Druger Robber Tier Backbor Finding Fi	\$ 410.00 \$ 410.00 \$	DAY DAY DAY DAY DAY DAY DAY DAY LS	0 5 0 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1											\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,080.00 190.00 500.00 2,160.00 500.00
Robber Teit Backboo Deltows (a Rinage Durger Robber Teit Backboo Bellows (a Rinage Durger Backboor Teit Backboor (a Rinage Back Till Babber Teit Backboor (a Rinage Backboor) Babber Teit Backboor	\$ 410.00 \$ 410.00 \$ \$ 1,080.00 \$ 95.00 \$ 500.00 \$ \$ 1,080.00	DAY DAY DAY DAY DAY DAY LS DAY	0 5 0 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 2 1					1						\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,080.00 190.00 500.00
Robber Teit Backboo Deltows (a Rinage Durger Robber Teit Backboo Bellows (a Rinage Durger Backboor Teit Backboor (a Rinage Back Till Babber Teit Backboor (a Rinage Backboor) Babber Teit Backboor	\$ 410.00 \$ 410.00 \$	DAY DAY DAY DAY DAY DAY DAY DAY LS	0 5 0 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 2 2 1					1						\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,080.00 190.00 500.00 2,160.00 500.00
Robber Tie Robber Officher in A Fridage Durger Robber Tie Robber Gerich Gericht in Robber Tie Robber Gericht Geric	\$ 410.00 \$ 410.00 \$	DAY DAY DAY DAY DAY DAY DAY DAY LS	0 5 0 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 2 2 1					1						\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,080.00 190.00 500.00 2,160.00 500.00
Robber Teit Backboo Deltows (a Rinage Durger Robber Teit Backboo Bellows (a Rinage Durger Backboor Teit Backboor (a Rinage Back Till Babber Teit Backboor (a Rinage Backboor) Babber Teit Backboor	\$ 410.00 \$ 410.00 \$	DAY DAY DAY DAY DAY DAY DAY DAY LS	0 5 0 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 2 2 1					1						\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,080.00 1,080.00 190.00 500.00 2,160.00 500.00
Robber Tie Backbor Deliver's B. Francis Druser Marker Tie Backbor Deliver's B. Francis Druser Marker Tie Backbor Trushed Stown Marker Tie Backbor Francis Ma	\$ 410.00 \$ 410.00 \$	DAY DAY DAY DAY DAY DAY DAY DAY LS	0 5 0 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 2 2 1					1						\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,080.00 1,080.00 190.00 500.00 2,160.00 500.00
Robber Teit Backbor Deltwerk & Robber Teit Backbor Deltwerk & Robber Teit Backbor Deltwerk & Robber Teit Backbor Teit Back	\$ 410.00 \$ 410.00 \$	DAY DAY DAY DAY DAY DAY DAY DAY LS	0 5 0 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 2 2 1					1						\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,080.00 1,080.00 190.00 500.00 2,160.00 500.00
Adder Tie Baddeo Deliver is Reinig Durger Radder Tie Baddeo Fine Gradde Der Radder Exemiter Deliver is Gradde Der Radder Exemiter Deliver is Gradde Der Radder Exemiter Deliver is Gradde Der Reinig Deliver is Gradde Der Reinig Deliver is Gradde Der Reinig Deliver is Gradde Deliver is Reinig Deliver Reinig Deliver is Gradde Deliver is Reinig Del	\$ 410.00 \$ 410.00 \$	DAY DAY DAY DAY DAY DAY DAY DAY LS	0 5 0 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 2 1 1					1						\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	410.00 1,080.00 190.00 500.00
Robber Tie Backbor Deltverk & Rinsig Durger Marker Tie Backbor Zinder Blowe Marker Tie Backbor Zinder Blowe Marker Tie Backbor Zinder Blowe Marker Tie Backbor Fire Sinder Brit Marker Tie Backbor Fire Sinder Brit Marker Tie Backbor Fire Sinder Brit Marker Tie Backbor Fire Sinder Marker Tie Backbor Tie Back	\$ 410.00 \$ 410.00 \$	DAY DAY DAY DAY DAY DAY DAY DAY LS	0 5 0 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 2 2 3					1							410.00 1,080.00 190.00 500.00 2,160.00 500.00 500.00 500.00 500.00 500.00 2,300.00 474.38
Robber Tie Backbor Deltverk & Rinsig Durger Marker Tie Backbor Zinder Blowe Marker Tie Backbor Zinder Blowe Marker Tie Backbor Zinder Blowe Marker Tie Backbor Fire Sinder Brit Marker Tie Backbor Fire Sinder Brit Marker Tie Backbor Fire Sinder Brit Marker Tie Backbor Fire Sinder Marker Tie Backbor Tie Back	\$ 410.00 \$ 410.00 \$	DAY DAY DAY DAY DAY DAY DAY DAY LS	0 5 0 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 2 2 1					1						\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	410.00 1,080.00 190.00 500.00 2,160.00 500.00 500.00 500.00 5,750.00 2,300.00 474.38
Rubber Tie Stackoo Erlevien & Ricksg Durger Stät Ecceptor Device & Ricksg Durger Stät Ecceptor Erlevien & Ricksg Durger Hydrosteric Test Pump Stät Ecceptor Erlevien & Ricksg Durger Stät Ecceptor Erlevien & Ricksg Durger Stät Ecceptor Erlevien & Ricksg Durger Ricksg Stackoo	\$ 41000 \$ 41000 \$ 10000 \$ 10000 \$ 9500 \$ 9500 \$ 9000 \$ 9000 \$ 90000 \$ 90000	DAY DAY DAY DAY DAY DAY DAY DAY LS	05 05 1 1 1 1 1 1 1		1 2 2					1						ş	410.00 1,880.00 1990.00 500.00 2,160.00 500.00 500.00 500.00 500.00 5,750.00 2,300.00 474.38 8,524.38
Robber Tie Robber Of Richtig Durger Robber Tie Robber Of Richtig Durger Robber Tie Robber Of Richtig Robber Tie Robber Tie Robber Tie Robber Of Richtig Robber Tie Robb	\$ 41000 \$ 41000 \$ 1,00000 \$ 9500 \$ 9500 \$ 9500 \$ 90000 \$ 90000 \$ 90000	DAY	0 5 0 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 2 2 1 1	Cardier Ordn		ctural Drawing Correction		1 R Pump Containment Co	5	Blower Header Richals			HT Level Sensor	ş	410.00 1,080.00 190.00 500.00 500.00 500.00 500.00 500.00 500.00 500.00 474.38 524.38
Salder Teil Saldeo Gelderer & Richigo Desper Salder Teil Saldeo Gelderer & Salder Teil Salder Teil Saldeo Gelder Till Salder Teil Saldeo	\$ 41000 \$ 41000 \$ 5 \$ 100000 \$ 5 \$ 50000 \$ 5 \$ 50000 \$ 5 \$ 50000 \$ 5 \$ 50000 \$ 5 \$ 50000 \$ 5 \$ 50000 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	DAY	05 05 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 2 2 1					1	5	Blower Header Rehab				r T	410.00 1,080.00 199.00 590.00 500.00 2,160.00 500.00 500.00 500.00 500.00 500.00 601.30 500.00 601.3
Robber Tier Backbor Deliver's & Rinsig Druger Robber Tier Backbor 2 Christie Store Robber Tier Backbor 2 Christie Store Robber Tier Backbor 1 Robber 1 Robbe	\$ 41000 \$ 41000 \$ 5 10000 \$ 7 9500 \$ 5 9500 \$ 5 90000 \$ 5 900000 \$ 5 90000 \$ 5 900000 \$ 5 90000 \$ 5 9000000 \$ 5 900000 \$ 5 90000 \$ 5 90000 \$ 5 9000000 \$ 5 900000000 \$ 5 9000000 \$ 5 900000000000000000000000000	DAY	0.5		1 2 2 1					1		Bower Header Rehab				ş	410.00 1,000.00 190.00 500.
Robber Tier Backbor Deliver's & Rinsig Druger Robber Tier Backbor 2 Christie Store Robber Tier Backbor 2 Christie Store Robber Tier Backbor 1 Robber 1 Robbe	\$ 41000 \$ 41000 \$ 5 \$ 100000 \$ 5 \$ 50000 \$ 5 \$ 50000 \$ 5 \$ 50000 \$ 5 \$ 50000 \$ 5 \$ 50000 \$ 5 \$ 50000 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	DAY	05 05 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 2 2 1					1	b	Blower Meader Rehab				r T	410.00 1,080.00 199.00 590.00 500.00 2,160.00 500.00 500.00 500.00 500.00 500.00 601.30 500.00 601.3
Robber Tier Backbor Deliver's & Rinsig Druger Robber Tier Backbor 2 Christie Store Robber Tier Backbor 2 Christie Store Robber Tier Backbor 1 Robber 1 Robbe	\$ 41000 \$ 41000 \$ 5 10000 \$ 7 9500 \$ 5 9500 \$ 5 90000 \$ 5 900000 \$ 5 90000 \$ 5 900000 \$ 5 90000 \$ 5 9000000 \$ 5 900000 \$ 5 90000 \$ 5 90000 \$ 5 9000000 \$ 5 900000000 \$ 5 9000000 \$ 5 900000000000000000000000000	DAY	0.5		1 2 1					1	5	Blower Header Schab				r T	410.00 1,000.00 190.00 500.
Robber Tie Stackboor (1990) Ro	\$ 41000 \$ 41000 \$ 5 10000 \$ 7 9500 \$ 5 9500 \$ 5 90000 \$ 5 900000 \$ 5 90000 \$ 5 900000 \$ 5 90000 \$ 5 9000000 \$ 5 900000 \$ 5 90000 \$ 5 90000 \$ 5 9000000 \$ 5 900000000 \$ 5 9000000 \$ 5 900000000000000000000000000	DAY	0.5		1 2 2 1					1		Bower Needer Felsels				r T	410.00 1,000.00 190.00 500.
Robber Tier Backbor Deliver's & Rinsig Druger Robber Tier Backbor 2 Christie Store Robber Tier Backbor 2 Christie Store Robber Tier Backbor 1 Robber 1 Robbe	\$ 41000 \$ 41000 \$ 5 1,00000 \$ 7 9500 \$ 5 9000 \$ 5 90000 \$ 5 90000	DAY	0.5		1 2 2 1					1	5	Rower Header Tehab				r T	410.00 1,000.00 190.00 500.
Robber Tie Stackboor (1990) Ro	\$ 41000 \$ 41000 \$ 5 1,00000 \$ 7 9500 \$ 5 9000 \$ 5 90000 \$ 5 90000	DAY	0.5		3 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					1	5	Blower Header Rehab				r T	410.00 1,000.00 190.00 500.
Robber Tie Stackboor (1990) Ro	\$ 41000 \$ 41000 \$ 5 1,00000 \$ 7 9500 \$ 5 9000 \$ 5 90000 \$ 5 90000	DAY	0.5		1 2 2 1 1					1	5	Blower Header Rehab				r T	410.00 1,000.00 190.00 500.
Robber Tie Stackboor (1990) Ro	\$ 41000 \$ 41000 \$ 5 1,00000 \$ 7 9500 \$ 5 9000 \$ 5 90000 \$ 5 90000	DAY	0.5		1 2 1					1	b	Blower Header Scholz				r T	410.00 1,000.00 190.00 500.
Author To Statute Control Statute Congress Author To Statute Con Control Statute Moder To Statute Congress Moder Mod	\$ 41000 \$ 41000 \$ 5 1,00000 \$ 7 9500 \$ 5 9000 \$ 5 90000 \$ 5 90000	DAY	0.5		1 1 1					1	b.	Blower Header, Fathab				r T	410.00 1,000.00 190.00 500.
hilder Tie Sichole Cellever & Richard Durage hilder Tie Sichole C Toolee Times hilder Tie Sichole C Toolee Times hilder Tie Sichole C Toolee Times hilder Tie Sichole C Tie Contact Times hilder Tie Sichole C Tie	\$ 41000 \$ 41000 \$ 5 1,00000 \$ 7 9500 \$ 5 9000 \$ 5 90000 \$ 5 90000	DAY	0.5		1 2 2 1					1	b	Rower Meader Fehab				r T	410.00 1,000.00 190.00 500.
Author Ten Sacholo Celleron & Richardo Divare Author Ten Sacholo Geleron & Richardo Divare Author Ten Sacholo Geleron & Gele	\$ 41000 \$ 41000 \$ 5 1,00000 \$ 7 9500 \$ 5 9000 \$ 5 90000 \$ 5 90000	DAY	0.5		1 2 1					1	5	Bower Header Rehab				r T	410.00 1,000
Asides Title Sackbool Celevior & Erking Disage Asides Title Sackbool Celevior & Erking Disage Market Title Sackbool Fine Groot bott Market Title Sackbool Fine Groot bott Market Title Sackbool Fine Groot bott Market Sackbool Fine Groot bott Market Sackbool Fine Groot bott Market Sackbool Fine Religion Celevior Market Sackbool Fine Fine Careffer Disage Careffer Disage Market Sackbool Fine Fine Market Sackbool Fine Ma	\$ 41000 \$ 41000 \$ 5 1,00000 \$ 7 9500 \$ 5 9000 \$ 5 90000 \$ 5 90000	DAY	0.5		1 2 2					1		Nowr Heady Tehab				r T	410.00 1,080.00 190.00 500.00 500.00 500.00 500.00 500.00 500.00 474.38 5,750.00 474.38 5,750.00 32,800.00 32,800.00 32,800.00 32,800.00
Robber Tie Robber Gericken (1 Article Droger Robber Robber Gericken (1 Article Dro	\$ 41000 \$ 41000 \$ 5 1,00000 \$ 7550 \$ 100000 \$ 1000000 \$ 100000 \$ 1000000 \$ 100000 \$ 1000000 \$ 100000 \$ 100000 \$ 100000 \$ 100000 \$ 100000 \$ 100000 \$ 1000000 \$ 100000 \$ 100000 \$ 100000 \$ 100000 \$ 100000 \$ 100000 \$ 1000000 \$ 100000 \$ 100000 \$ 100000 \$ 100000 \$ 100000 \$ 100000 \$ 10000000 \$ 10000000 \$ 100000000 \$ 10000000000	DAY	0.5 0.5 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Repurposing	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Cueffer Drain	WYSte	ctural Drawing Correction		1	b	Bower Header Rehab				\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	41000 15000
Andre Ter Sachoo Celeven & Picking Durger Andre Ter Sachoo Celeven & Picking Durger Andre Ter Sachoo Celeven & Picking Durger This Care Desire Celeven & Picking Durger Territoria Celeven & Territoria Celeven & Picking Durger Territoria Celeven & P	\$ 41000 \$ 41000 \$ 10000 \$ 9500 \$ 9500 \$ 9000 \$ 90000 \$ 90000 \$ 90000 \$ 90000 \$ 10000 \$	DAY	05 05 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Repurposing	3 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		WYSte			T. Pursy Containment Co				Stodge 3	HT Level Sensor	F T S S S S S S S S S S S S S S S S S S	41000 10000
Robber Tie Sachood Cellower & Riching Druger Mobbler Tie Robber Ger Contell Stone Robber Tie Robber Ger Contell Stone Robber Tie Robber Ger Ger Ger Ger Ger Ger Ger Ger Ger G	\$ 41000 \$ 41000 \$ 5 1,00000 \$ 7550 \$ 100000 \$ 1000000 \$ 100000 \$ 1000000 \$ 100000 \$ 1000000 \$ 100000 \$ 100000 \$ 100000 \$ 100000 \$ 100000 \$ 100000 \$ 1000000 \$ 100000 \$ 100000 \$ 100000 \$ 100000 \$ 100000 \$ 100000 \$ 1000000 \$ 100000 \$ 100000 \$ 100000 \$ 100000 \$ 100000 \$ 100000 \$ 10000000 \$ 10000000 \$ 100000000 \$ 10000000000	DAY	05 05 1 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	Repurposing	1 1 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Cueffer Drain	WYSte	ctural Drawing Correction	51	1		Blower Needer Rehab			HT Level Sensor	F T S S S S S S S S S S S S S S S S S S	41000 10000
Richer Tie Rachtoo (Politica) Disparent Richer Tie Rachtoo (Politica) Richer Tie Richer Tie Richer Tie Record (Politica) Richer Tie Riche	\$ 41000 \$ 41000 \$ 10000 \$ 9500 \$ 9500 \$ 9000 \$ 90000 \$ 90000 \$ 90000 \$ 90000 \$ 10000 \$	DAY	05 05 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Repurposing	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Cueffer Drain	WYSte	ctural Drawing Correction	55	T. Pursy Containment Co				Stodge 3	HT Level Sensor	F T S S S S S S S S S S S S S S S S S S	41000 15000
Salder Tier Salderion (1 Salder	\$ 41000 \$ 41000 \$ 10000 \$ 9500 \$ 9500 \$ 9000 \$ 90000 \$ 90000 \$ 90000 \$ 90000 \$ 10000 \$	DAY	05 05 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Repurposing	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Cueffer Drain	WYSte	ctural Drawing Correction	31	T. Pursy Containment Co				Stodge 3	HT Level Sensor	F T S S S S S S S S S S S S S S S S S S	41000 1500000 1500000 1500000 1500000 15000000 1500000000
Rubble Tire Backhot 1" Croubed Stone Shake Tire Backhot Best File Stone Shake Tire Backhot Best File Stone Shake Tire Backhot Best File Shake Carebor 1" Shake Shake 1" Shake S	\$ 41000 \$ 41000 \$ 10000 \$ 9500 \$ 9500 \$ 9000 \$ 90000 \$ 90000 \$ 90000 \$ 90000 \$ 10000 \$	DAY	05 05 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Repurposing	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Cueffer Drain	WYSte	ctural Drawing Correction		T. Pursy Containment Co				Stodge 3	HT Level Sensor	F T S S S S S S S S S S S S S S S S S S	410.00 15
Facility Ties Startion Celebrary & Pricing Division Facility Ties Starting Celebrary & Pricing Division Facility Ties Starting Celebrary & Pricing Division Facility Ties Starting Celebrary & Pricing Cele	\$ 41000 \$ 41000 \$ 10000 \$ 9500 \$ 9500 \$ 9000 \$ 90000 \$ 90000 \$ 90000 \$ 90000 \$ 10000 \$	DAY	05 05 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Repurposing	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Cueffer Drain	WYSte	ctural Drawing Correction		T. Pursy Containment Co				Stodge 3	HT Level Sensor	F T S S S S S S S S S S S S S S S S S S	41000 1500000 1500000 1500000 1500000 15000000 1500000000

BLAND INSULATION INC

PO BOX 589 Mabank TX 75147 blandinsulation@embarqmail.com

Proposal

Date	Estimate #
3/17/2020	596

Name / Address
BAR CONSTRUCTORS, INC. P.O. BOX 10 LANCASTER, TX 75146-0010

			Project
Description	Qty	Rate	Total
City of Pflugerville - Change Order #1 Change Order - Insulate with Rubber Insulation & Aluminum Jacketing per Section 44.00.00. Chromalox Heat Trace per Section 40-41-00.			
Sheet C-15: Yard Piping - I" Sample Line		200.00	200.00
Insulation L&M: Heat Trace L&M:		300.00 1,032.00	300.00 1,032.00
Exclusions: Electrical Connections, Conduit and Pipe Saddles.			
Applicable taxes will be added unless a tax exemption certificate is furnished.	shed.	Subtotal	\$1,332.00
		Sales Tax (8.25%)	\$0.00
		Total	\$1,332.00



FERGUSON ENTERPRISES, LLC FERGUSON WATERWORKS #1254 200 PARK CENTRAL BLVD **GEORGETOWN, TX 78626**

Phone: 512-930-2262 Fax: 512-930-2388

Deliver To:

From: **Daniel Shimek**

NET 10TH PROX

Comments:

Page 1 of 2 17:03:08 MAR 19 2020

FERGUSON WATERWORKS #1106

Price Quotation Phone: 512-930-2262 Fax: 512-930-2388

Bid No: Cust Phone: 972-227-3287 B442889 Terms:

Bid Date: 03/12/20 Quoted By: XXA

Ship To: Customer: BAR CONSTRUCTORS INC BAR CONSTRUCTORS INC

> 279-23 PFLUGERVILLE-CENTR 279-23 PFLUGERVILLE-CENTR

805 KATY ST 805 KATY ST

LANCASTER, TX 75146 LANCASTER, TX 75146

Cust PO#: RCP-1 Job Name: 279-23 PFLUGERVILLE-CENTR

Item	Description	Quantity	Net Price	UM	Total
	ITEM 1 ANALYZER REPURPOSING				
SP-ZZS415SS5SSAR	2 CI FLR DRN W/ SS GRT & ACID REST WITH SS 304 GRATE & ACID RESISTING EPOXY COATED CAST IRON	1	105.000	EA	105.00
SP-S3906020PT	2 PVC P-TRAP SCH80	1	50.760	EA	50.76
P80BK	2 X 20 FT PVC S80 BE PIPE	200	205.740	C	411.48
P80SCK	2 PVC S80 SXS COUP	5	6.160	ΕA	30.80
P80S4K	2 PVC S80 SXS 45 ELL	6	11.620	EA	69.72
P40SBPK	4X2 PVC S40 SPXSLIP BUSH	1	6.360	EΑ	6.36
MUL067259	15X4 PVC HW SWR GXGXG WYE	1	380.690	EΑ	380.69
MUL067483	15 PVC HW SWR GXG REP COUP	1	347.490	EΑ	347.49
P80PG	1 X 20 FT PVC S80 PE PIPE	40	92.340	C	36.94
P80SCG	1 PVC S80 SXS COUP	3	3.490	ĒΑ	10.47
P80S9G	1 PVC S80 SXS 90 ELL	4	2.860	EΑ	11.44
SP-SC9202	2 HDG ADJ PIPE CLAMP SUPPORT	2	186.540	EA	373.08
	SUBTOTAL				1834.23
	 ITEM 2				
	CLARIFIER DRAIN LINE				
	DELETED DI DRAIN ITEMS				
MJTP4LA12	12 MJ C153 P-401 TEE L/A	1	0.000	EA	0.00
SSLDE12	12 DI MJ WDG REST GLND *ONELOK	3	0.000	EA	0.00
BFP412	12 DI P-401 125# BLND FLG	1	0.000	EA	0.00
SP-12DIPFABSPOOL	12 DIP FAB SPL - DESCRIPTION BELOW	1	0.000	EA	0.00
	12" x 3'6" FLxCxPE DI PRO401 L				
SP-FBSS16S12	12 SS 316 FLG BOLT SET	1	0.000	EA	0.00
	SUBTOTAL				0.00
	TOTAL FOR REMOVED ITEMS				
	\$1893.67				
	END OF DELETED ITEMS				
SDR26HWSPX14	8X14 SDR26 HW PVC GJ SWR PIPE	112	5.190	FT	581.28
MUL067251	10X8 PVC HW SWR GXGXG FAB WYE	112	298.750	EA	298.75
	TOTAL TO THE OWN ONO THE WILL	'	200.700		200.70



HOW ARE WE DOING? WE WANT YOUR FEEDBACK!

Scan the QR code or use the link below to complete a survey about your bids:



FERGUSON WATERWORKS #1106 Price Quotation

Fax: 512-930-2388

17:03:08 MAR 19 2020 **Reference No:** B442889

Item	Description	Quantity	Net Price	UM	Total
1UL067480	10 PVC HW SWR GXG FAB REP COUP		125.340	EA	125.34
UL067328	8 PVC HW SWR GXG 45 ELL	1	82.480	EA	82.48
JYP4LAX	8 MJ C153 P-401 WYE L/A	2	624.400	EA	1248.80
J4P4LAX	8 MJ C153 P-401 45 BEND L/A	2	285.600	EA	571.20
PPP4X12	8X12'0 FLGXPE P-401 BT DI SPL	2	1195.360	EΑ	2390.72
P4X	8 DI P-401 125# BLND FLG	2	287.200	EΑ	574.40
SLDE8	8 DI MJ WDG REST GLND *ONELOK	6	34.480	EΑ	206.88
SLCE8	8 PVC WDG REST GLND *ONELOK	6	42.450	EA	254.70
51MJSDR08	8 MJ X SDR35 TRAN GSKT	6	16.500	EΑ	99.00
P-IMJBCGASX	8 MJ CORTEN BLUE BOLT & GSKT PK	12	41.250	EΑ	495.00
BSS16SX	8 SS 316 FLG BLT SET	2	27.540	EΑ	55.08
I18MJX	8 MJ N/LUBE PLUG VLV W/A	1	1425.880	EΑ	1425.88
SVB562SW	2PC SCRW 16T/24B COMP CI VLV BX WTR	1	75.000	EΑ	75.00
	SUBTOTAL				8484.51
	 ITENA 5				
	ITEM 5				
	BLOWER HEADER VALVES				
J815L113600XZ10	 10 SS SS LUG 150# XT BFV	1	1141.250	EA	1141.25
S91050008910000	10" ALL 316 SS FLG COUP ADPT 10.75	1	1761.490	EA	1761.49
5W113600XZU	6 SS SS 150# WAFER HP BFV XT BS	2	632.500	EA	1265.00
-S41100066302002	6" ALL 316 SS FLG COUP ADPT 6.625	2	579.320	EA	1158.64
3SS16S10	10 SS 316 FLG BLT SET	2	51.720	EA	103.44
SS16SU	6 SS 316 FLG BLT SET	4	22.660	EA	90.64
331030	SUBTOTAL	4	22.000	LA	5520.46
		N	et Total:		\$15839.20
		.,	Tax:		\$0.00
					\$0.00
			Freight:		-
			Total:		\$15839.20

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. QUOTES FOR PRODUCTS SHIPPED FOR RESALE ARE NOT FIRM UNLESS NOTED OTHERWISE.

CONTACT YOUR SALES REPRESENTATIVE IMMEDIATELY FOR ASSISTANCE WITH DBE/MBE/WBE/SMALL BUSINESS REQUIREMENTS.

Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control, and/or based upon Local, State and Federal laws governing type of products that can be sold or put into commerce. This Quote is offered contingent upon the Buyer's acceptance of Seller's terms and conditions, which are incorporated by reference and found either following this document, or on the web at https://www.ferguson.com/content/website-info/terms-of-sale Govt Buyers: All items are open market unless noted otherwise.

LEAD LAW WARNING: It is illegal to install products that are not "lead free" in accordance with US Federal or other applicable law in potable water systems anticipated for human consumption. Products with *NP in the description are NOT lead free and can only be installed in non-potable applications. Buyer is solely responsible for product selection.



Scan the QR code or use the link below to complete a survey about your bids:



Project: Pflugerville Central Plant WWTP Date: 04/02/20

Expansion Phase 1

TMC Change #: COR-03 Rev 01

Owner: City of Pflugerville Project Change #: N/A

Change Order Request

Per the request of the engineer, T. Morales Company offers a change in pricing for consideration by the owner to provide services for the updated drawings.

TMC will provide the following scope of work:

Item 1 Existing Phosphorus Analyzer Repurposing-

- Install power wire to account for the required amperage and voltage drop from EB-1 to the relocated phosphorous building.
- Install analog wires from EB-1 to the relocated phosphorous building.
- From EMH-6 to the proposed location, install concrete encased Ductbank with Qty-2 new 2" PVC Conduits for the power and analog wire.
- Miscellaneous modifications to the PLC and power source (LP-BNR1)

Item 6 Sludge Holding Tank Level Sensor-

- Install Radar Senor on Existing Sludge Holding Tank
- Control Wiring to tie reading into SCADA

TMC Exclusions from Scope of Work:

Item 1 Existing Phosphorus Analyzer Repurposing-

- New 6'x6'x7.5' Fiberglass Building for housing P-Analyzer and turbidimeters at effluent filters Item 6 Sludge Holding Tank Level Sensor-
 - Calibration for the Level Transmitter.

Extension in Time Request:

• Approx time for installation: 2 weeks.

The Total Lump Sum Cost for the updated changes will equate to a total of: \$32,380.00

Change Initiated By: <u>Luis Varela / Freese&Nichols</u> Change Prepared By: <u>Tye Eldridge / TMC</u>

Change Delivered To: <u>Dennis Berger / Bar Const</u> Response Rqst'd By: <u>ASAP</u>

Carbon Copy To: Randy Eldridge / TMC

PO Box 859 Florence, Texas 76527 Phone: 254-793-4344 601 South Patterson Avenue Florence, Texas 76527 Fax: 254-793-3044 JOB 1425 2019050: 2019-050 COPVille ...
ESTIMATE 2 COR03: COR 03 Updated Dr...
DATA SET 9 TMC WTP - NECA dataset
DATE 4/2/2020 10:39:53 AM

Bid: #1 - Lump Sum T Morales Company PO Box 859 Florence, Tx 76527 254-793-4344 / 254-793-3044

Index	Description	Reference Type	Reference	Ref Amount	Operation	Rate	Amount
1	MATERIALS / QUOTES:						0.00
2	Misc Materials:	Material	Total	14,579.93	*	1.00	14,579.93
3	CPUSA	Calculated		2,271.00	*	1.00	2,271.00
4	Quote #2	Calculated		0.00	*	1.00	0.00
5	SUBTOTAL						16,850.93
6	#######################################						0.00
7	SALES TAX:	Material	Total	14,579.93	%		0.00
8	SUBTOTAL						0.00
9	#######################################						0.00
10	LABOR:						0.00
11	Straight Time Labor	Labor	Total	116.57	*	46.22	5,387.82
12	Overtime Labor	Calculated		0.00	*	69.33	0.00
13	Exec Order 13706 Hours	Labor	Total	116.57	*		0.00
14	Exec Order 13706 Rate	Component	13	0.00	*	46.22	0.00
15	Gen Foreman Hours	Labor	Total	116.57	%	10.00	11.66
16	Gen Foreman Rate	Component	15	11.66	*	50.97	594.15
17	Material Hndler Hrs	Labor	Total	116.57	%	5.00	5.83
18	Material Hndler Rate	Component	17	5.83	*	35.04	204.23
19	Update As Built Dwgs	Calculated		1.00	*	49.00	49.00
20	SUBTOTAL						6,235.20
21	#######################################						0.00
22	DIRECT JOB EXPENSES:						0.00
23	Expendable Tools	Material	Total	14,579.93	%	6.00	874.80
24	Equipment						0.00
25	Warranty on Material	Component	5	16,850.93	%	3.00	505.53
26	Warranty on Labor	Component	20	6,235.20	%	3.00	187.06
27	SUBTOTAL						1,567.38
28	#######################################						0.00
29	SUBCONTRACTS:						0.00
30	Sub #1	Calculated		0.00	*		0.00
31	Sub #2	Calculated		0.00	*		0.00
32	SUBTOTAL						0.00
33	#######################################						0.00
34	JOB SUBTOTAL						24,653.51
35	#######################################						0.00
36	MARKUPS:						0.00
37	Liability/Bldrs Risk	Component	34	24,653.51	%	2.00	493.07
38	WrkComp/SS/Unmplymnt	Component	20	6,235.20	%	25.00	1,558.80
39	Overhead @ 10%	Component	34	24,653.51	%	10.00	2,465.35
40	JOB TOTAL						29,170.73
41	#######################################						0.00
44	Perf _Payment Bond	Component	43	32,087.80	%	2.00	641.76
45	ADD BOND	Component	44	641.76	*	1.00	32,729.56
46	#######################################						0.00
47	BID TOTAL						32,720.56
							32,380.00

JOB 1425 2019050: 2019-050 COPVille ...
ESTIMATE 2 COR03: COR 03 Updated Dr...
DATA SET 9 TMC WTP - NECA dataset

Combined All - Job File Pricing T Morales Company PO Box 859 Florence, Tx 76527

254-793-4344 / 254-793-3044 tdeldridge@moralescompany.com

PRINTED 4/2/2020 10:35:51 AM
MATERIAL Primary
LABOR Primary

NOTES

	Item	M	1aterial		Labor			
Size	Item Desc	Qty UOM	Mat Unit I	Mat Adj	Mat Ext	Lbr Unit	Lbr Adj	Lbr Ext
2"	PVC Sch 40 Carlon #49011010	313.00 FEET			'			
3/4"	ALUM CONDUIT	40.00 FEET						
2"	ALUM CONDUIT	15.00 FEET						
2"	PVC Sch 40 Elbow Carlon #UA9AJ	3.00 EACH						
3/4"	ALUM 90 ELBOW	2.00 EACH						
2"	PVC Coup Carlon #E940J	6.00 EACH						
2"	PVC Male Adapt Carlon #E943J	4.00 EACH						
2"	PVC T CONDULET/COVER	1.00 EACH						
3/4"	ALUM LB W/CVR & GASK	2.00 EACH						
2"	MYERS HUBS GRDG	6.00 EACH						
2"	PLASTIC BUSHINGS	2.00 EACH						
3/4"	CUT/THREAD-LABOR	4.00 EACH						
2"	CUT/THREAD-LABOR	4.00 EACH						
3/4"	ALUM COUPLING	2.00 EACH						
3/4"	ALUM MYERS HUBS GRDG	2.00 EACH						
2"	HOLE DRILL & PATCH	2.00 EACH						
3/8X1-1/2	FENDER WASHER	5.00 EACH						
1/4-20	CONCRETE DROP IN ANCHOR	44.00 EACH						
3/8-16	CONCRETE DROP IN ANCHOR	5.00 EACH						
3/4"	S.S.STRUT STRAPS	5.00 EACH						
2"	S.S.STRUT STRAPS	44.00 EACH						
1 1/2.	ALUM STRUT	46.00 FEET						
3/4"	FLEX CONDUIT	3.00 FEET						
3/4"	FLEX ANGLE CONN	2.00 EACH						
2"	KO LABOR ONLY	2.00 EACH						
	NYLON LINE	363.00 FEET						
12	XHHW STR CU	3,229.00 FEET						
10	XHHW STR CU	150.00 FEET						
8	XHHW STR CU	1,292.00 FEET						
6.	THHN CU GREEN	14.00 FEET						
4/0	Bare Cu STR (Tinned)	150.00 FEET						
SMALL	WIRE TERM-LABOR ONLY	12.00 EACH						
20/2	CIRCUIT BREAKER	1.00 EACH						
7.5	1PH TRANSFORMERS	1.00 EACH						
100A	HD 3PNF 600V NEMA 3R	1.00 EACH						
2X3	BASE SPACER	20.00 EACH						
6W X 24D	TRENCHER DITCHING	150.00 FEET						
6W X 24D	BACKFILL TRENCHER	150.00 FEET						
	6" WARNING TAPE MAG.	150.00 FEET						
	#4 STEEL REBAR	150.00 FEET						
	#5 STEEL REBAR	300.00 FEET						
	3000# CONCRETE	10.00 CYD						
	Red Dye (Lbs)	32.00 LBS						
2"	Pack/Pour Seal Off Ftg	4.00 EACH						
Grand Totals	-				14,579.93			116.5690
Jiana Totak	-				,5. 5.55			

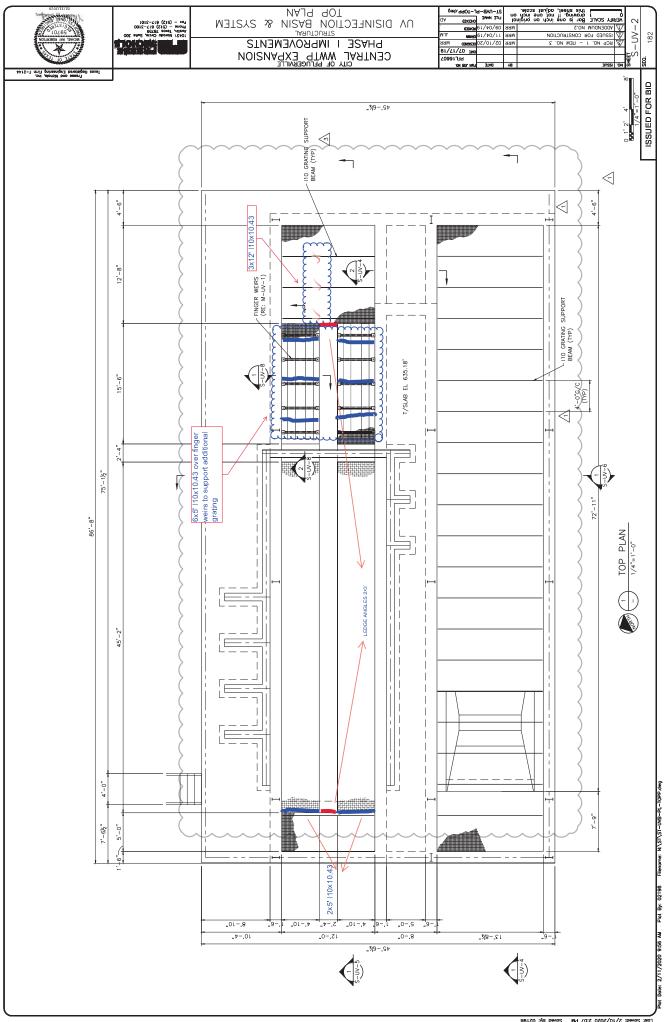
To: Bar Constructor Inc.Attn: Dennis Berger

Cody Builders Supply 12002 N Lamar Blvd Austin, TX 78753 Ph 512/339-9834 Fax 512/339-0165 metals@codybuilderssupply.com

CHANGE ORDER

Date: 05/27/2020							
Project: Pflugervill	e Central WWTP Phase1						
SUBJECT Additional	aluminum support beams, l	edge angles, grates UV per	RCP#1				
REFERENCE (RFI/Dwg/Et	c): RCP#1						
REQUESTED BY: Dennis Berger							
Information/Explanation	n of Change:						
This change order requ	iest includes change of al	uminum support beams, a	dditional gra	ite over			
Pricing:							
Cost of aluminum support beam changes +\$19,917 Additional grate and embeds over finger weirs +\$7,020 This change order total +\$26,937							
Attachments: None							
SCHEDULE IMPACT?	ES 🗶 NO 🗌 TBD ADD	SUBTRACT	number of _				
PREPARED BY: Erden	n Biyikli A	PPROVED BY:					
Note: Notice to proceed is considered acceptance of price quoted.							

COR-1			Contr	act drawings				RC	P No1				
Sheet	Item	Item	Qty.	Length	Weight Lbs.	Item	Qty.	Le	ength	Weight Lbs.	Diff. Lbs	Unit Price	Cost
S-UV-2	Alm. Beam	18x7.02	1	12	84.24	I10x10.3		3	12	370.8	286.56	7.02	2,011.65
S-UV-2	Alm. Beam					I10x10.3		2	5	103	103	7.02	723.06
S-UV-1	Ledge angle					2x2x1/4		2	3	6.66	6.66	7.02	46.75
S-UV-2	Alm. Beam	18x7.02	15	14	1474.2	I10x10.3		19	14	2739.8	1265.6	7.02	8,884.51
S-UV-2	Alm. Beam					I10x10.3		6	5	309	309	7.02	2,169.18
S-UV-2	Alm. Bent plates/hardware										240	25.34	6,081.60
		-				-	Alm.	Total			2210.82	9.01	19,916.76
						Additional Grates					7,020.00		
							COR-	01 Tota	al				26,936.76



Change Order

CO # 001



TX

78130

Customer: Bar Constructors

AUSTIN

Attn: Trevor Wofe

RSS Reinforcing Steel Supply 13730 Avenue K Austin, Texas 78728 Phone 512.521.0606 www.rsstexas.com

Date: 03/27/20 **RSS Project no:** D19542

Project name: Pflugerville Central WWTP

Placing Drawings:

Phone no: 214-869-4403

Fax no:

Associated RFI: RCP#1
Contract Drawing Reference:
Detail/Section/Elevation Reference:

Detailed Description	
1 ton additional reinforcing due to changes in th UV Disinfection Bas	in
11 hours re-detailing	
Cost Breakout:	
Additional Labor	
Additional Material	1,400.00
Delivery Charge	
, ,	
Total	\$1,400.00
Authorization:	
RSS Representative: Tim Martin	Contractor Representative:
Title: <u>Project Manager</u>	Title:
Signature	Signature
Data	Date