



## Archer Western Construction, LLC

September 4, 2020 sent via email: [wpalmer@erieco.gov](mailto:wpalmer@erieco.gov)

645 Holbrook Street  
PO Box 750  
Erie, CO 80516

Attention: Wendi Palmer

Subject: Town of Erie NWRF Project No. P18-323  
HDR Project No. 10165426

Dear Wendi,

Archer Western is pleased to provide the Town of Erie with our Proposal for the North Water Reclamation Facility Expansion Project. Our proposal for the Construction of the Liquid Stream Improvements and the Solid Stream Improvements is based upon the following:

- Design documents from HDR including drawings and specifications dated June 3, 2020 including addendums 1, 2, and 3.
- Our Proposal is based on our question and answer log developed during bid period.
- The summary of Bid Packages Dated July 29, 2020 provided by Archer Western outlines the cost proposal.
- Process Equipment Manufacturer selections were made on July 17, 2020 with HDR and are outlined on page 2 of July 29, 2020 Bid Packages.
- The project Notice to Proceed will be issued before Oct. 1, 2020.
- Twenty-Eight-month construction schedule starting on Oct. 1, 2020 with Substantial completion by February 1, 2023 and Final Completion before March 1, 2023.
- Complete Startup and Commissioning during the Twenty-Eight-Month construction schedule.
- Our Proposal is based on amending the agreement dated August 13, 2019 where Archer Western and The Town of Erie entered into the Town of Erie North Water Reclamation Facility Expansion CMAR Contract.
- Below is a list of Assumptions and Clarifications:

### **General**

1. Archer Western Construction (AWC) is providing trailers for AWC including one office for HDR staff and a conference room for meetings during construction utilized by AWC and HDR.
2. Current estimate is based upon a 40-hour work week, Saturdays will be utilized as make up days for weather events.

1411 Greenway Drive  
Irving, Texas 75038  
972-457-8500  
An Equal Opportunity Employer



3. AWC is carrying a contingency of 5% for unknown items.
4. Construction schedule is based upon a Notice to Proceed no later than Oct. 1, 2020.
5. AWC is carrying an allowance of \$70,000 for SCADA as per 012100 1.2C.
6. AWC is Carrying an allowance of \$300,000 for WAS Tank Repairs.
7. Our estimate includes \$50,000 for any Fire Alarm System requirements.
8. AWC will provide installation of any temporary power for construction and use existing plant electrical equipment for the power. Cost of the monthly power to be covered by the Town of Erie.
9. AWC has not included any costs for any repairs to Existing Clarifier No.1.
10. AWC has not included any costs for future influent line construction.
11. Town of Erie to provide power, water, and chemicals for testing, start up and commissioning.
12. Town of Erie to provide water for startup, hydraulic testing of structures, commissioning, and performance testing.
13. AWC to provide dumpsters and restroom facilities for construction trades.
14. Exterior lighting required for safe working conditions for project employees will be provided by AWC. Temporary lighting required for safe working conditions for interior of structures to be provided by AWC.
15. Concrete washouts will be provided by AWC for Archer Western controlled work *only*.
16. Dry Packing and or grouting of equipment bases, electrical panels, electrical stands and pipe supports to be provided by AWC.
17. AWC is not providing any costs for the Automatic Strainer section 44 43 33.
18. Our Instrumentation and Control subcontractor will be Browns Hill Engineering.
19. Construction Dewatering will be required and is included in our proposal.
20. No Power Company or Utility Charges are included.
21. AWC has not included any cost for permit fees for any Building Department required permitting. AWC will provide support for the securing of the Building Permits with Town of Erie and will utilize licensed subcontractors.
22. AWC has included costs for any State stormwater permit fees or temporary ground water discharge permit fees.
23. AWC has excluded all sales and use taxes.

Archer Western Construction, LLC total cost proposal for the above items:

- Construction: **\$25,132,139**
- Contingency: **\$1,056,214**
- Allowance for WAS Tank Repairs **\$300,000**
- **Guaranteed Maximum Price: \$26,488,353**



Do not hesitate to contact myself, Jeff Polak or Scott Smiley if there are any questions related to the proposal.

Sincerely,

Bill Nelson  
Senior Project Manager  
Archer Western Construction, LLC.

CC: Scott Smiley  
Jeff Polak



# Town of Erie

## North Water Reclamation Facility Expansion Project

### Bid Packages 7.29.2020

Bid Package Number	Description	Bid Date	Potential Bidders			BEST VALUE BIDS	
1	Equipment Procurement	7/16/2020	Equipment Reps as Dictated by Specifications will bid to AW as CMAR			\$	5,636,380
2	Electrical and I&C	7/16/2020	Weifield	Guarantee	Sturgeon	\$	2,686,956
3	Geopiles	7/16/2020	Geopier / Peterson	Tensar	Hayward Baker	\$	107,500
4	Structural Concrete	7/16/2020	AW	Garney	Moltz	\$	5,257,900
5	Process Piping	7/16/2020	AW	Garney	Moltz	\$	2,110,000
6	Installation and Start-up of Equipment	7/16/2020	AW	Garney	Moltz	\$	640,000
7	Building Finishes	7/16/2020	AW	Garney	Moltz	\$	836,000
8	Site Work/Final Grading	7/16/2020	AW	Monks	Fiore & Sons	\$	732,000
9	Plumbing and HVAC	7/16/2020	Horizon/Strait	Murphy Mechanical	Braconieer	\$	706,000
10	Masonry	7/16/2020	Barnes	Phoenix	AMMEX	\$	368,952
11	Roofing	7/16/2020	Arapahoe	MB Roofing	United Roofing	\$	182,585
12	Yard Piping	7/16/2020	AW	Redline	Garney	\$	983,000
13	Fire Alarm	7/16/2020	Arapahoe	Rocky Mtn	Frontier	\$	50,000
14	Coatings	7/16/2020	Coblaco	Bemus	Applewood	\$	536,000
15	Asphalt Paving	7/16/2020	Aggregate Industries	Martin Marietta	Brannan	\$	101,000
16	Concrete Paving	7/16/2020	AW	Marvel Concrete	P&H Equipment	\$	134,000
17	Landscaping	7/16/2020	Powell	Western States	Environmental Logistics	\$	56,000

Highlights are Subcontractors per Bid Pacakge

COST OF WORK	\$	21,124,273
Bonds and Ins.	\$	422,485
GCS	\$	1,723,741
SUBTOTAL	\$	23,270,499
Fee	\$	1,861,640
TOTAL	\$	25,132,139
GENERAL CONTINGENCY	\$	1,056,214
Allowance for WAS Tank Repairs	\$	300,000
GMP	\$	26,488,353

Equipment Selections

Spec Section	Description	Vendor	In Estimate	RW	MISCO	Watson marlow	Velodyne	Huber	Huber	Aerzen Blowers	Andritz	NOV	Sulzer	WEMCO	Veolia	TPS	SEEPiX	Gorman Rupp
40 05 59	Slide Gates	RW Gate	18698		18698	21516												
41 12 13	Conveyors Screw	JMS	86490			86490												
41 22 23	Hoists Trolleys Mono Rails	FIM	36360															
43 11 24	High Speed Aeration Turbo Blowers	Aerzen	210268							210268								
43 23 13	Self Prime Cent. Pumps	Gorman Rupp	23905											?				23905
43 23 16	In Line Cent. Pumps	w/BDP Package	0		w/BDP			w/ Huber										
43 23 24	Submersible Propellar Pumps	Veloia	0												w/veolia			
43 23 57	Progressive Cavity Pumps	Seepix	39700										62901				39700	
43 41 45	FRP Tanks	Daniel	69000			69000												
43 31 83	Odor Control Equipment	w/TPS Package	0															
44 43 33	Automatic Strainer	Hellan	0			29665												
46 33 11	Chem Feed Liquid Systems	Watson marlow	39959				39959											
46 33 22	In Line Polymer Mixer	w/BDP Package	0		w/BDP				w/Huber									
46 33 33	Liquid Polymer Feed Equipment	Velodyne	93050					93050										
46 41 13	Submersible Mixers	Veolia	0															
46 51 38	IFAS	Veloia	1405266											58191	w/veolia			
46 71 33	Rotary Drum Sludge Thickner	BDP	0		W/ 46 71 46			452984				396782			1405266			
46 71 46	Screw Press	BDP	685000			685000			507461			429734						
46 73 10	ATAD Equipment	TPS	2928684														2928684	
		Total	5636380															
									65000 discount			44000 discount						



01 - P & ID														
01Y101	Screening & Influent Pumps	01Y101	Screening & Influent Pumps				01Y101	Screening & Influent Pumps						Yes
01Y102	Existing Grit Seperator, Grit Classifier and Treatment Trains 1 & 2	01Y102	Existing Grit Seperator 1	Need note 1; New motorized downward opening gate			01Y102	Existing Grit Seperator 1						Yes
01Y103	New Grit Seperator, Grit Classifier and Treatment Trains 1 & 2	01Y103	New Grit Seperator 2	Need note 1; New motorized downward opening gate			01Y103	Not Used						Yes
01Y104	Secondary Clarifier Splitter Structure and Secondary Clarifiers	01Y104	Existing IFAS Train 1	Key note 1 - remove from this page			01Y104	Existing IFAS Train 1						Yes
01Y105	Aeration Blowers	01Y105	Existing IFAS Train 2	Key note 1 - remove from this page			01Y105	Existing IFAS Train 2						Yes
01Y106	Existing Tertiary Filter, UV Sterilization and NPW Pumping	01Y106	New IFAS Train 3	Key note 1 - remove from this page			01Y106	New IFAS Train 3						Yes
		01Y107	Future IFAS Train 4	Key note 1 - remove from this page			01Y107	Not Used						N/A
		01Y108	Secondary Clarifier Splitter Structure and Secondary Clarifiers	P&ID does not match yard pipe shown on 02C107 for 8" scum; please confirm.			01Y108	Secondary Clarifier Splitter Structure and Secondary Clarifiers						
		01Y109	Aeration Blowers				01Y109	Aeration Blowers						Yes
		01Y110	Existing Tertiary Filter, UV Sterilization and NPW Pumping				01Y110	Existing Tertiary Filter, UV Sterilization and NPW Pumping						Yes
01Y107	New Tertiary Filter	01Y111	New Tertiary Filter				01Y111	Not Used						N/A
01Y201	RAS / WAS and Scum Pumping	01Y201	RAS / WAS and Scum Pumping				01Y201	RAS / WAS and Scum Pumping						Yes
		01Y202	WAS Holding and Pumping (Demo)				01Y202	WAS Holding and Pumping (Demo)						Yes
01Y202	WAS Holding and Pumping	01Y203	WAS Holding and Pumping (New)				01Y203	WAS Holding and Pumping (New)						Yes
01Y203	Thickening	01Y204	WAS Thickening				01Y204	WAS Thickening						Yes
01Y204	ATAD No. 1	01Y205	ATAD No. 1				01Y205	ATAD No. 1						Yes
01Y205	ATAD No. 2	01Y206	ATAD No. 2				01Y206	ATAD No. 2						Yes
01Y206	Transfer Pumps and Heat Exchanger													Yes
01Y207	SNDR No. 1	01Y207	Future ATAD No. 3				01Y207	Not Used						N/A
01Y208	Blowers and Odor Control	01Y208	Heat Exchanger 1				01Y208	Heat Exchanger 1						Yes
01Y209	Dewatering	01Y209	Future Heat Exchanger 2				01Y209	Not Used						N/A
01Y210	Dewatering	01Y210	SNDR No 1				01Y210	SNDR No 1						Yes
		01Y211	Future SNDR No 2				01Y211	Not Used						N/A
		01Y212	ATAD Aeration Blowers				01Y212	ATAD Aeration Blowers						Yes
		01Y213	New Odor Control 1 & Future Odor Control 2				01Y213	New Odor Control 1 & Future Odor Control 2						Yes
		01Y214	Dewatering Screw Press 1				01Y214	Dewatering Screw Press 1						Yes
		01Y215	Dewatering Screw Press 2	Screw Press 1 should be Screw Press 2			01Y215	Dewatering Screw Press 2						Yes
		01Y216	Ferric Storage and Feed System				01Y216	Ferric Storage and Feed System						Yes
01Y211	Thickening and Dewatering Polymer System	01Y217	Thickening and Dewatering Polymer System				01Y217	Thickening and Dewatering Polymer System						Yes
01Y301	NPW System	01Y301	North NPW System				01Y301	Nonpotable Irrigation Pump Station						Yes
01Y302	Miscellaneous Systems	01Y302	Miscellaneous Systems				01Y302	Not Used						Yes
							01Y303	ATAD Building Potable Water Distribution						Yes
							01Y304	Miscellaneous Systems						Yes
01Y401	Network Diagram	01Y401	Control System Diagram Demo				01Y401	Control System Diagram Demo						Yes
		01Y402	Control System Diagram New				01Y402	Control System Diagram New						Yes
01Y402	PLC Panel Layout	01Y403	PLC Panel Layout				01Y403	PLC-RIO-1 Panel Layout						Yes
		01Y403	PLC Panel Layout											Yes
01Y403	DI Control Panel Layout	01Y404	Typical DI Module				01Y404	PLC-2 Panel Layout						Yes
01Y404	DO Control Panel Layout	01Y405	Typical DO Module				01Y405	PLC-3 Panel Layout						Yes
01Y405	AI Control Panel Layout	01Y406	Typical AI Module				01Y406	DI Control Panel Layout						Yes
01Y406	AO Control Panel Layout	01Y407	Typical AO Module				01Y407	DO Control Panel Layout						Yes
01Y407	OIT, RIO, Misc. Panels	01Y408	AI Control Panel Layout				01Y408	AI Control Panel Layout						Yes
							01Y409	AO Control Panel Layout						Yes
							01Y410	LCP-FS Panel						Yes
							01Y411	Typical PLC-2 & PLC-3 AC/DC Power						Yes
							01Y412	IFAS Instrumentation Panels						Yes
							01Y413	REMOVED						N/A
01Y501	Wiring Diagram 1	01Y501	Wiring Diagram 1				01Y501	Wiring Diagram PLC-1 Amwest Job 1508 File PLC SH 8 Demo						Yes
01Y502	Wiring Diagram 2	01Y502	Wiring Diagram 2				01Y502	Wiring Diagram PLC-1 Amwest Job 1508 File PLC SH 9 Demo						Yes
01Y503	Wiring Diagram 3	01Y503	Wiring Diagram 3				01Y503	Wiring Diagram PLC-1 Amwest Job 1508 File PLC SH 15 Demo						Yes
01Y504	Wiring Diagram 4	01Y504	Wiring Diagram 4				01Y504	Wiring Diagram PLC-1 Amwest Job 1508 File PLC SH 16 Demo						Yes
01Y505	Wiring Diagram 5	01Y505	Wiring Diagram 5				01Y505	Wiring Diagram PLC-1 Amwest Job 1508 File PLC SH 26 Demo						Yes
01Y506	Wiring Diagram 6	01Y506	Wiring Diagram 6				01Y506	Wiring Diagram PLC-1 Amwest Job 1508 File PLC SH 27 Demo						Yes
01Y507	Wiring Diagram 7	01Y507	Wiring Diagram 7				01Y507	Wiring Diagram PLC-1 Amwest Job 1508 File PLC SH 28 Demo						Yes
01Y508	Wiring Diagram 8	01Y508	Wiring Diagram 8				01Y508	Wiring Diagram PLC-1 Amwest Job 1508 File PLC SH 32 Demo						Yes
01Y509	Wiring Diagram 9	01Y509	Wiring Diagram 9				01Y509	Wiring Diagram PLC-1 Amwest Job 1508 File PLC SH 33 Demo						Yes
02 - Site Work														
02C100	Existing Site Conditions Plan	02V100	Existing Site Conditions Plan				02V100	Existing Site Conditions Plan						Yes
		02X101	Site Demolition Plan				02X101	Site Demolition Plan						Yes
02C101	New Site Plan	02C101	Overall Site Plan				02C101	Overall Site Plan						Yes
02C102	Grading, Erosion, and Sediment Control Plan 1	02C102	Site Layout Plan - North	4 references to 00C501 should be 02C501; 00C501 does not exist.			02C102	Site Layout Plan - North						Yes
				Verify 6" paving with no reinforcing?										
02C103	Grading, Erosion, and Sediment Control Plan 2	02C103	Site Layout Plan - South	All references to 00C501 should be 02C501; 00C501 does not exist.			02C103	Site Layout Plan - South						Yes
02C104	Survey Control Plan	02C104	Site Grading Plan - North				02C104	Site Grading Plan - North						Yes
		02C105	Site Grading Plan - South				02C105	Site Grading Plan - South						Yes
		02C106	Site Piping Plan - North	Catch basins to tie into 12" drains? Missing NPW pipes from UV to process building			02C106	Site Piping Plan - North						Yes
		02C107	Site Piping Plan - South				02C107	Site Piping Plan - South						Yes
		02C301	12" DWR Profiles				02C301	12" DWR Profiles						Yes
		02C302	6" DWR and 6" WAS Profiles				02C302	6" DWR and 4" WAS Profiles						Yes

		02C303	6" PW, 18" SCE and 8" SC Profiles				02C303	REMOVED							N/A
		02C304	36" ML Profiles				02C304	REMOVED							N/A
		02C305	6" NPW and 8" NPW Profiles				02C305	REMOVED							N/A
02C401	Enlarged Site Grading Plan (Dewatering Building)														
02C402	Enlarged Site Grading Plan (New Aeration Basin)														
02C403	Enlarged Yard Piping Plan - West														
02C404	Enlarged Yard Piping Plan - Central														
02C405	Enlarged Yard Piping Plan - East														
02C501	Civil Details 1	02C501	Site Details	Detail D, pull arrow for filter fabric down to below aggregate base			02C501	Site Details							Yes
02C502	Civil Details 2	02C502	Site Details				02C502	Site Utility Details							Yes
02C503	Civil Details 3						02C503	Junction Structure Plans and Section							Yes
02C504	Civil Details 4						02C504	Existing Irrigation Utility Structure Modifications							Yes
02C505	Civil Details 5						02C505	NPW Outlet Structure							Yes
02C506	Grading, Erosion and Sediment Control Details 1						02C506	Site Utility Details							Yes
02C507	Grading, Erosion and Sediment Control Details 2														
							02C601	Drainage Analysis Existing Conditions							Yes
							02C602	Drainage Analysis Proposed Site							Yes
02E101	Electrical Site Plan 1	02E101	Electrical Site Plan - North	Move location of key note 1 closer to MV feeder											
02E101	Electrical Site Plan 1	02E101	Electrical Site Plan - North	Verify reference to 00E501			02E101	Electrical Site Plan - North							Yes
02E102	Electrical Site Plan 2	02E102	Electrical Site Plan - South				02E102	Electrical Site Plan - South							Yes
03 - Headworks Building							03 - NOT USED								
03S101	Elevation Plan 1														
03S102	Elevation Plan 2														
03S103	Roof Plan														
03S301	Headworks - Section 1														
03S302	Headworks - Section 2														
03D101	Headworks - Plan														
	Headworks - Primary Screening Plan														
03D102	Headworks - Primary Screening Plan														
03D103	Headworks - Grit Classifier Plan														
03D301	Headworks - Section														
	Headworks - Primary Screening Section														
03D302	Headworks - Primary Screening Section														
03D303	Headworks - Grit Classifier Section														
03E101	Headworks - Electrical Plan														
03E102	Headworks - Lighting Plan														
03E501	Headworks - Electrical Details														
03E502	Headworks - Electrical Details														
	Headworks - MCC-1 One Line Diagram														
03E601	Headworks - MCC-1 One Line Diagram														
	Headworks - EMCC2 One Line Diagram														
03E602	Headworks - EMCC2 One Line Diagram														
04 - Aeration Basins		04 - Process Building and Treatment Basins					04 - Process Building and Treatment Basins								
	Aeration Basin #1 & #2 Selective Demolition 1						04X101	Lower Level Demolition Plan							Yes
04X102	Aeration Basin #1 & #2 Selective Demolition 2						04X102	Upper Level Demolition Plan							Yes
	Aeration Basin #1 & #2 Selective Demolition 3														
04X103	Aeration Basin #1 & #2 Selective Demolition 3														
	Aeration Basin #1 & #2 Selective Demolition 4														
04X104	Aeration Basin #1 & #2 Selective Demolition 4														
							04X301	Demolition Sections							Yes
		04X401	Enlarged Lower Level WAS Storage Basins Selective Demolition Plan												
		04X402	Enlarged Upper Level WAS Storage Basins Selective Demolition Plan												
		04X601	Main Switchboard Demo One-Line Diagram				04X601	Not Used							N/A
		04X602	MCC-1 Demo One-Line Diagrams				04X602	MCC-1 Demo One-Line Diagrams							Yes
		04X603	EMCC2 Demo One Line Diagram				04X603	EMCC2 Demo One Line Diagram							Yes
04S101	Aeration Basin #1 & #2 Plans & Sections	04S101	Overall Foundation Plan				04S101	Overall Foundation Plan							Yes
04S102	Aeration Basin 3 - Plan 1	04S102	Overall Upper Level Plan				04S102	Overall Upper Level Plan							Yes
04S103	Aeration Basin 3 - Plan 2														Yes
04S104	Aeration Basin 3 - Plan 3														
				Foundation slab reinf per 04S102 - incorrect reference; or sheet is missing reinforcing details											
04S301	Aeration Basin 3 - Sections 1	04S301	Sections				04S301	Sections							Yes
				Verify key note 1 of FSDFS											
04S302	Aeration Basin 3 - Sections 2														
04S303	Aeration Basin 3 - Sections 3														
				Detail 1 should reference 04S505; not 04S503											
		04S401	Foundation Plan - North				04S401	Foundation Plan - North							Yes
		04S402	Foundation Plan - South				04S402	Foundation Plan - South							Yes
		04S403	Upper Level Plan - North				04S403	Upper Level Plan - North							Yes
		04S404	Upper Level Plan - South				04S404	Upper Level Plan - South							Yes
		04S405	Enlarged Grit Separator, Grit Pumping Vault and Electrical Room Plans				04S405	Enlarged Electrical Room Plans							Yes



							04S406	Enlarged Grit Cell Plan, Sections, and Details								Yes
04S501	Aeration Basin #1 & #2 Details	04S501	Wall Details	Foundation slab reinf per 04S102 - incorrect reference; or sheet is missing reinforcing details			04S501	Wall Details								Yes
				Provide values for "x"												Yes
04S502	Aeration Basin 3 - Details 1	04S502	Wall Details	Foundation slab reinf per 04S102 - incorrect reference; or sheet is missing reinforcing details			04S502	Wall Details								Yes
				Call out for detail 4 should reference detail 3 on sheet 04S505, not sheet 04S502												Yes
04S503	Aeration Basin 3 - Details 2	04S503	Details	Foundation slab reinf per 04S102 - incorrect reference; or sheet is missing reinforcing details			04S503	Wall Details								Yes
				Provide values for "x"												Yes
04S504	Aeration Basin 3 - Details 3	04S504	Details	Foundation slab reinf per 04S102 - incorrect reference; or sheet is missing reinforcing details			04S504	Details								Yes
		04S505	Details	Check detail references - 04S401 is incorrect & 04S303 does not exist and details are missing information												Yes
							04A101	Electrical Building Floor, Roof Plans and Elevations								Yes
							04A102	Electrical Building Sections and Details								Yes
04D101	Aeration Basin #1 & #2 Plan	04D101	Lower Level Plan - North	See sheet 04D404 for enlarged plan of lime tank to WAS should be 04D401			04D101	Lower Level Plan - North								Yes
				Section D/04D302 is an incorrect reference; have not found this section to exist												Yes
04D102	Aeration Basin 3 - Plan 1	04D102	Lower Level Plan - South				04D102	Lower Level Plan - South								Yes
04D103	Aeration Basin 3 - Plan 2	04D103	Upper Level Plan - North	Provide values for Detail XX/XXXXXX			04D103	Upper Level Plan - North								Yes
				Section D/04D302 is an incorrect reference; have not found this section to exist												Yes
04D104	Aeration Basin 3 - Plan 3	04D104	Upper Level Plan - South	Key Note 1 -7/00D502 should be 6/00D502			04D104	Upper Level Plan - South								Yes
04D105	Aeration Basin 3 - Plan 4															Yes
04D301	Aeration Basin #1 & #2 Sections 1	04D301	Sections 1	Key Note 1 -7/00D502 should be 6/00D502			04D301	Sections 1								Yes
				No call out for Key Note 2												Yes
04D302	Aeration Basin #1 & #2 Sections 2	04D302	Sections 2	No call out for Key Note 2			04D302	Sections 2								Yes
				Provide section identifiers with matching call outs where necessary												Yes
				Need detail for anti vortex plates												Yes
04D303	Aeration Basin 3 - Sections 1	04D303	Sections 3	Key Note 1 -7/00D502 should be 6/00D502			04D303	Sections 3								Yes
				References are incorrect - E should reference 04D406 & F should reference 04D102 or 104												Yes
04D304	Aeration Basin 3 - Sections 2	04D304	Sections 4	G/04D101 should be G/04D102			04D304	Sections 4								Yes
04D305	Aeration Basin 3 - Sections 3	04D305	Sections 5	this sheet is identical to 304			04D305	Sections 5								Yes
04D306	Aeration Basin 3 - Sections 4						04D306	Sections 6								Yes
							04D307	Sections 7								Yes
		04D401	WAS Storage - Enlarged Lower Level Plan	Is there any work here, is sheet needed?			04D401	WAS Storage - Enlarged Lower Level Plan								Yes
		04D402	Pump Room - Enlarged Plan				04D402	Pump Room - Enlarged Plan								Yes
		04D403	Headworks Room - Enlarged Plan	Verbiage for note 3 should be for note 2, provide values for XX/XXXXXX			04D403	Headworks Room - Enlarged Plan								Yes
		04D404	Grit Pump Vault - Enlarged Plan	Delete key note												Yes
		04D405	WAS Storage - Enlarged Upper Level Plan	Key Note 1 -7/00D502 should be 6/00D502			04D404	WAS Storage - Enlarged Upper Level Plan								Yes
		04D406	Blower Room - Enlarged Plan	Key Note 1 -7/00D502 should be 6/00D502			04D405	Blower Room - Enlarged Plan								Yes
		04D406	Blower Room - Enlarged Plan	Call outs F&G/04D406 should reference 04D302 (untitled) & E/04D303			04D406	Grit/Screenings Room - Enlarged Plan								Yes
				Key Note 1 -7/00D502 should be 6/00D502												Yes
		04D407	Grit/Screenings Room - Enlarged Plan	Key Note 1 -7/00D502 should be 6/00D502			04D407	Existing Grit Head Cell Plans and Sections								Yes
		04D407	Grit/Screenings Room - Enlarged Plan	Note 11 provides incorrect reference?												Yes
04D501	Aeration Basin #1 & #2 Details						04D501	Details	Detail 1 references "D - See Note 3"; which was not found anywhere.							No
04D502	Aeration Basin 3 - Details 1															
04D503	Aeration Basin 3 - Details 2															
04D504	Aeration Basin 3 - Details 3															
							04M101	Electrical Room - HVAC Plan								Yes
04E101	Aeration Basin 3 - Plan 1	04E101	Lower Level Electrical Plan	Enlarged lower level of grit pumping should reference 04E402, not 102			04E101	Lower Level Electrical Plan - North								Yes
04E102	Aeration Basin 3 - Plan 2	04E102	Upper Level Electrical Plan	Enlarged upper level of electrical room should reference 04E402, not 102			04E102	Lower Level Electrical Plan - South								Yes
							04E103	Upper Level Electrical Plan - North								Yes
							04E104	Upper Level Electrical Plan - South								Yes
		04E401	Enlarged Blower Room Plan				04E401	Pump Room - Enlarged Plan								Yes
		04E402	Enlarged Electrical Plans				04E402	Blower Room - Enlarged Plan								Yes
04E501	Aeration Basin 3 - Details 1						04E403	Grit/Screenings Room - Enlarged Plan								Yes
04E502	Aeration Basin 3 - Details 2						04E404	Electrical Room - Enlarged Plan								Yes
							04E405	REMOVED								N/A
							04E406	REMOVED								N/A
							04E407	REMOVED								N/A
							04E408	REMOVED								N/A
04E601	New IFAS Mixer MCC	04E601	Main Switchboard Revised One-Line Diagram	Blower PR-B-4 is labeled AIR-B-4 on 01Y109			04E601	Main Switchboard Revised One-Line Diagram								Yes
		04E602	Main Switchboard Demo and Revised Elevations				04E602	Main Switchboard Demo and Revised Elevations								Yes
		04E603	MCC-1 Revised One-Line Diagrams				04E603	MCC-1 Revised One-Line Diagrams								Yes
		04E604	MCC-1 Demo and Revised Elevations				04E604	MCC-1 Demo and Revised Elevations								Yes
		04E605	New IFAS Mixers one-line Diagram	Verify Mixer VFDs. Any or all, not 1?			04E605	New IFAS Mixers one-line Diagram								Yes
		04E606	New IFAS Mixers MCC Elevation				04E606	New IFAS Mixers MCC Elevation								Yes

		04E607	EMCC2 Revised One-Line Diagram	INF-P-4 shows to be 30 hp on drawing, but called out as 13 hp in spec 43 23 13. Confirm hp			04E607	EMCC2 Revised One-Line Diagram							Yes
		04E608	EMCC2 Demo and Revised Elevations				04E608	EMCC2 Demo and Revised Elevations							Yes
							04E609	PLC-2 One Line Diagram							Yes
							04E610	Panelboard Schedules							Yes
							04E611	Panelboard Schedules							Yes
							04E612	Vendor Supplied Panels One-Line Diagrams							Yes
							04E613	MCC Control Diagrams							Yes
							04E614	MCC Control Diagrams							Yes
							04E615	MCC Control Diagrams							Yes
05 - Clarifier Splitter Structure							05 - Clarifier Splitter Structure	NOT USED							N/A
05S101	Clarifier Splitter, Plan, Section and Details														
05S102	Clarifier Splitter, Plan, Section and Details														
06 - UV / Dewatering Bldg		06 - UV / Dewatering Bldg					06 - UV / Dewatering Bldg								
06X101	Selective Demo Plan	06X101	Ground Level Demolition Plan	General Note A - Add sealant or patch back in note.			06X101	REMOVED							N/A
06X102	Selective Demo Plan														
06X103	Blower Room Demolition Plan and Details														
06X104	UV/Dewatering Demolition plan and details														
06X105	UV/Dewatering Demolition plan and details 2														
06X106	UV/Dewatering Demolition plan and details 3														
		06X301	Dewatering Section				06X301	REMOVED							N/A
		06X302	Dewatering Section				06X302	REMOVED							N/A
06S101	Thickening Platforms Plan														
06S102	Dewatering Platforms Plan														
06S103	Disk Filter Addition Plan														
06S301	Thickening Platforms Section														
06S302	Dewatering Platforms Section														
06S303	Disk Filter Addition Section														
06S501	Disk Filter Addition Details 1														
06S502	Disk Filter Addition Details 2														
06A101	Disk Filter Addition Plan														
06A102	Disk Filter Addition Sections														
06A501	Disk Filter Addition Details 1														
06A502	Disk Filter Addition Details 2														
06D101	Thickening Plan	06D101	Ground Level Plan	Key Note 2; provide values for XX/XXXXXX			06D101	REMOVED							N/A
06D102	Dewatering Plan														
06D103	Disc Filter Addition Plan														
06D301	Thickening Sections	06D301	Section				06D301	REMOVED							N/A
06D302	Dewatering Sections	06D302	Section	Key Note 2; provide values for XX/XXXXXX			06D302	REMOVED							N/A
06D303	Polymer System Plan & Sections														
06D304	Disc Filter Addition Sections														
06D501	Details 1														
06D502	Details 2														
06M101	Plan 1														
06M102	Plan 2														
06M103	Disc Filter Addition Plan														
06M301	Disc Filter Addition Section														
06M501	Disc Filter Addition Detail														
06E101	Plan 1														
06E102	Plan 2														
06E103	Disc Filter Addition Plan 1														
06E104	Disc Filter Addition Plan 2														
06E501	Details 1														
06E502	Details 2														
06E503	Disc Filter Addition Details														
06E504	Disc Filter Addition Details 2														
07 - ATAD Bldg		07 - ATAD Bldg					07 - ATAD Bldg								
		07S100	Schedules and Details	Complete pier placement schedule			07S100	REMOVED							N/A
07S101	Foundation Plan	07S101	Drilled Pier and Foundation Plan	General note D: complete note			07S101	Foundation Plan							Yes
07S102	Pump Gallery Plan	07S102	First Floor Plan				07S102	Roof Framing plan							Yes
07S103	Upper Level Plan	07S103	Mid Level Plan				07S103	REMOVED							N/A
07S104	Blower Room plan	07S104	Roof Plan				07S104	REMOVED							N/A
07S105	Electrical Room Plan														
07S106	Roof Framing Plan														
07S107	Biofilter Plan														
07S108	Biofilter Sections														
07S301	Sections 1	07S301	Sections	Section B - Move trench drain 6" away from wall			07S301	Sections							Yes
07S302	Sections 2														
07S303	Sections 3														
07S304	Sections 4														
07S305	Sections 5														
		07S401	Enlarged plan - Pump Gallery	Need sections through E-W walls somewhere			07S401	REMOVED							N/A
				Move trench drain 6" away from wall				REMOVED							N/A
		07S402	Enlarged plan - Blower Room				07S402	REMOVED							N/A
		07S403	Enlarged Plan - Dewatering Building				07S403	REMOVED							N/A
				Monorail note 7 references detail 4/00S508; change to reference detail 5 or 7 on sheet 07S501											
07S501	Details 1	07S501	Monorail details				07S501	Details							Yes

[illegible]

07E106	Upper Level Lighting and Power Plan														
07E107	Biofilter Power Plan														
		07E110	1st Floor Lighting Plan	check spelling/typos throughout the notes			07E110	1st Floor Lighting Plan							Yes
		07E111	Mid-Level Lighting Plan	check spelling/typos throughout the notes											
		07E401	Enlarged Electrical Room Power Plan	??			07E401	Enlarged Power Plan - Biofilter and Ferric							Yes
							07E402	Enlarged Power Plan - SNDR1 and Piping Gallery							Yes
							07E403	Enlarged Power Plan - ATAD 1 & 2 and Piping Gallery							Yes
							07E404	Enlarged Power Plan - Dewatering							Yes
							07E405	Enlarged Electrical Room Power Plan							Yes
							07E406	Enlarged Upper Level Power Plan							Yes
							07E407	Enlarged Upper Level Power Plan							Yes
							07E408	Enlarged Upper Level Power Plan							Yes
07E501	Details 1	07E501	Details 1				07E501	Details							Yes
07E502	Details 2	07E502	Details 2				07E502	REMOVED							
07E503	Details 3	07E503	Details 3				07E503	REMOVED							
07E504	Details 4	07E504	Details 4				07E504	REMOVED							
07E601	Switchboard	07E601	Switchboard				07E601	Switchboard SWBD-1							Yes
07E602	MCC One-Line	07E602	MCC1 One-Line				07E602	MCC4 One-Line							Yes
07E603	Solids MCC One-Line	07E603	Solids MCC One-Line	NPW pumps 1 and 2 should be 5 & 6 per 01Y204 and spec 43 23 16			07E603	MCC5 One-Line							Yes
07E604	Schedules	07E604	Solids MCC Conduit Schedule				07E604	MCC4 and MCC5 Elevations							Yes
07E605	Generator	07E605	Solids MCC Conduit Schedule				07E605	PLC-3 One Line Diagram							Yes
07E606	I&C Control Panel One-Lines 1	07E606	Solids MCC Conduit Schedule				07E606	Vendor Supplied Panels One Line Diagrams							Yes
07E607	I&C Control Panel One-Lines 2	07E607	Solids MCC Conduit Schedule				07E607	Vendor Supplied Panels One Line Diagrams							Yes
07E608	I&C Control Panel One-Lines 3	07E608	Solids MCC Conduit Schedule				07E608	MCC Control Diagrams							Yes
07E609	I&C Control Panel One-Lines 4	07E609	I&C Control Panel One-Lines 1				07E609	MCC Control Diagrams							Yes
07E610	Conduit and Cable Schedule	07E610	I&C Control Panel One-Lines 2				07E610	Panelboard Schedules							Yes
		07E611	I&C Control Panel One-Lines 3				07E611	ATAD Conduit Schedules							Yes
		07E612	I&C Control Panel One-Lines 4				07E612	ATAD Conduit Schedules							Yes
		07E610	Conduit and Cable Schedule				07E613	REMOVED							
							07E614	REMOVED							
							07E615	REMOVED							
							07E616	REMOVED							
							07E617	REMOVED							
							07E618	REMOVED							
							07E619	REMOVED							
							07E620	REMOVED							
							07E621	REMOVED							
08 - Odor Control Structure															
08S101	Foundation Plan														
08S102	Framing Plan														
08S301	Sections 1														
08S302	Sections 2														
08S501	Details 1														
08S502	Details 2														
08D101	Lower Level Plan	08D101	Ground Level Plan	Add to notes											
08D102	Upper Level Plan														
08D301	Sections 1	08D301	Sections 1												
08D302	Sections 2	08D302	Sections 2												
		08D303	Sections 3												
08E101	Lower Level Power Plan	08E101	Lower Level Power Plan												
08E102	Upper Level Power Plan	08E102	Upper Level Power Plan												
08E501	Details	08E501	Details												
09 - WAS Storage Tanks															
09X101	WAS Storage Tank No. 1 Selective Demolition														
09X102	WAS Storage Tank No. 2 Selective Demolition														
09D101	WAS Storage Tank No. 1 Improvements														
09D102	WAS Storage Tank No. 2 Improvements														
09D501	WAS Storage Tank No. 1 Section and Details														