From: <u>James Contino <jcontino@whartonsmith.com></u>

To: chris@kwru.comchris@kwru.com

Greg Wrightgreg@kwru.com

Ed Castle, P.E.edrcastle@me.com

ssuggs@weilerengineering.orgssuggs@weilerengineering.org

<u>Igermaine@weilerengineering.orglgermaine@weilerengineering.org</u>

John Sinnjsinn@weilerengineering.org

Gregory Williamsgwilliams@whartonsmith.com

Edgar Gonzalezegonzalez@whartonsmith.com

Jean Lainejlaine@whartonsmith.com

CC: Erica Marnatiemarnati@whartonsmith.com

Angela Kushnerakushner@whartonsmith.com

Date: 2/20/2018 11:48:05 AM

Subject: 17-160 - KWRU WWTP Filter Replacement - Progress Meeting #1

To all,

Attached please the Progress Meeting #1 Agenda for tomorrow's conference call meeting.

The conference call information is as follows:

Date and time of conference call: Wednesday, 02/21/18 at 11:00AM

Conference Phone Number: 1-872-240-3412

Access Code: 250-559-805 #

Select # when prompted for Audio PIN You are connected when you hear the beep

You will hear a beep when each participant is connected

Sincerely,

James M. Contino | Project Manager

Wharton-Smith, Inc. | Construction Group of Choice | www.whartonsmith.com

125 W. Indiantown Road, Suite 201, Jupiter, FL 33458

Office: (561) 748-5956 Ext. 2321 | Cell: (561) 354-8786 | Fax: (561) 748-5958





10KWRU WWTP Filter Replacement

Progress Meeting #1 February 21, 2018 @ 11 A.M.

Agenda

Review of Meeting Minutes from Last Meeting

See attached Preconstruction Meeting Minutes

Project Schedule

See attached updated CPM Schedule

Status of Current Work

- Mobilization began on Monday, February 19, 2018 with deliveries as follows:
 - o Tool Connex delivered on 02/19/18
 - o Port o Let delivered on 02/20/18
 - o Dumpster scheduled for delivery on 02/21/18
 - Office Trailer delivery TBD
- KWRU began draining the North Filter on Tuesday, February 20, 2018

Planned Future Work

- Disconnection & removal of electrical and piping from North Filter to begin on 02/21/18
- Demolition & removal of North Filter scheduled to begin week of 02/26/18

Material Deliveries

• 1st Filter Structure scheduled for delivery week of March 12, 2018

Status of Submittals

- See attached Submittal Log
 - o 01300-001 Pre-Construction Video Submitted to Weiler on 02/20/18
 - o 01590-001 Site Utilization Plan Submitted to Weiler on 02/14/18
 - o 05000-002 Filter Media Submitted to Weiler on 02/14/18
 - o 16000-001 Electrical Materials Submitted to Weiler on 02/16/18

RFI's

- See attached Submittal Log
 - o There are no open RFIs at this time

Changes in Work

- COP #1 Replace Backwash Pumps
 - Original proposal exceeded allowance. If may be possible to revise the proposal to be within the allowance, however the lead time of the pumps is quoted as 6-8 weeks after approval. WSI has requested confirmation from Hudson Pump that this lead time is accurate. If so, then replacement of the pumps would delay the project according to our current schedule.
- COP #2 Replace Grating & Railings
 - Weiler Engineer has requested that the forthcoming bridge grating proposal be included in a revised COP #2 proposal so that all costs associated with the allowance are in the same proposal.
 - Revised proposal to be provided by WSI based upon the preliminary set conformed drawings received on 02/16/18
- Preliminary set of conformed drawings received on 02/16/18 had the following changes:
 - o Added (2) pipe connections per filter
 - O Moved shear gate from 10 ¼" to 4'-5" from top of baffle wall to center of opening. It was agreed with Steve Suggs to save additional cost since the steel sheets for the structure have already been cut that if the sheet could be flipped and reused that the center of the opening might not be at exactly 4'-5".
 - Moved pipe connections
 - Detailed grating and access bridge
- Generator Replacement
 - Fully conformed set of revised drawings to include design of generator slab for pricing by WSI
 - Status of fully conformed set of revised drawings

Pay Applications

 Pay Application #1 (February 2018) – Preliminary copy for approval sent to Weiler Engineering on 02/20/18

Open Discussion/Concerns

Next Meeting

Telephone Conference Meeting - Wednesday, March 14, 2018 @ 11 A.M.





10KWRU WWTP Filter Replacement

Preconstruction Meeting

February 12, 2018 @ 11 A.M.

Minutes

Project: KWRU WWTP Filter Replacement

6630 Front Street Key West, FL 33040

Owner: KW Resort Utilities Corp.

6630 Front Street Key West, FL 33040 (305) 295-3301 – Phone (305) 295-0143 – Fax

Christopher A. Johnson

President

chris@kwru.com

Greg Wright
Vice President
greg@kwru.com

Engineer: The Weiler Engineering Corporation

6805 Overseas Highway Marathon, FL 33050 (305) 289-4161 – Phone (305) 289-4162 – Fax

Ed Castle, P.E.

(305) 481-0347 – Cell edrcastle@me.com

Steve Suggs, E.I. (941) 323-1787 - Cell

ssuggs@weilerengineering.org

John Sinn

(305) 289-4161 – Office jsinn@weilerengineering.org

Contractor:

Wharton-Smith, Inc.

125 W. Indiantown Road, Suite 201

Jupiter, FL 33458 (561) 748-5956 – Phone (561) 748-5958 – Fax

Greg Williams

Division Manager
(561) 345-1858 – Cell
gwilliams@whartonsmith.com

James Contino

Project Manager (561) 354-8786 – Cell

jcontino@whartonsmith.com

Edgar Gonzalez Superintendent (561) 222-1303 – Cell

egonzalez@whartonsmith.com

Jean Laine Project Engineer (561) 427-5743 – Cell jlaine@whartonsmith.com

Erica Marnati Project Assistant

(561) 748-5956 x 2306 – Office emarnati@whartonsmith.com

Scope of Work:

KWRU has two existing steel structures that each includes a sand filtration system and a chlorine contact chamber (CCC). The two structures are essentially identical. The structures have corroded over time and need to be replaced. The intent is to replace the existing units in kind, re-using some of the equipment and piping. Only one filter & CCC unit will be taken off line at a time. Temporary CCC is not required, as per revised drawing C-02.

Contract Times:

The work will be substantially completed within <u>150</u> days after the date when the Contract Times commence to run, and completed and ready for final payment within <u>180</u> days after the date when the Contract Times commence to run.

Liquidated Damages: Contractor shall pay Owner \$250.00 for each day that expires after the date

specified for Substantial Completion until the Work is substantially complete. If contractor fails to complete the remaining Work within the Contract Times for completion, Contractor shall pay Owner \$250.00 for each day that expires after

such time until the Work is Completed and ready for final payment.

Contract Price: Lump Sum of \$935,000.00

Allowances: Lump Sum for Cash Allowance for New Backwash Pumps: \$17,000.00

Lump Sum for Cash Allowance for New Grating and Handrails, including New

Bridge between CCCs: \$42,000.00

Lump Sum for Cash Allowance for Reconfiguration of Backwash System Pipe and

Actuated Valves: \$25,000.00

Changes in Work: Changes in work by change order only

Payment Procedures: Contractor to submit monthly pay applications for engineer's approval by 20th of

each month. Final submission of (1) hard copy of agreed upon monthly pay

application to be sent to the engineer prior to month's end.

Work Hours: Contractor's normal work hours are Monday thru Friday, 7:00 A.M. to 3:30 P.M.

• Edgar G. discussed the possibility of working (4) 10 hour days

Chris J. stated that (4) 10 hour days would allowed

Site Access: Entrance & Exit Routes

Site Utilization: Contractor's proposed work areas, office trailer, temp utilities and staging areas

• After the meeting WSI walked the site with WE & KWRU to determine

site utilization

Submittals: Contractor to submit (1) electronic copy of submittals to John Sinn and CC Steve

Suggs. Reviewed submittals to be returned to Erica Marnati cc James Contino

and Jean Laine.

Binders: Contractor's preconstruction binders include Meeting Agenda, CPM Schedule,

RFI Log, Submittal Log, Lines of Communication, Emergency Contact List, List of Subcontractors/Vendors/Suppliers, Safety Plan & Weather Emergency Plan.

Progress Meetings: Determine when Progress will be held

2nd Wednesday of Every Month @ 11 am will be a call in meeting

4th Wednesday of every month @ 11 am will be an onsite meeting

• WSI will send out calendar invites

Discussion: Additional Items discussed

• Steve S. stated that (3) sets of conformed signed and sealed drawings will be sent to WSI by Friday, 02/16/18. These drawings will include

- details for the grating and railings as per the allowance item and additional flanges required to be added to the filter structures.
- Spark testing of the filter structure coatings was discussed. James C. stated that he did not see anything in the documents requiring spark testing of the structures. James C. added that the structures are coming shop painted and would be offloaded by crane and set into place on the slab. Both Steve S. and Chris J. stated that they thought spark testing was required as they remember discussing it during design. It was agreed that all parties would review the contract documents and determine how to proceed. Steve S. stated that the fabricator of the structures perform their own QC testing of the coatings prior to shipping. James C. stated that he would contact the fabricator and discuss QC testing of the coatings and possibility of field spark testing.
- Chris J. stated that they would prefer that the existing North Filter Structure be replaced first as it is currently leaking. James C. and Edgar G. stated the sequence didn't matter. It was agreed that the North Filter Structure would be the first replaced and would be designated as Filter #1
- Steve S. stated that the piping was to be painted with colors matching the 10 state standards, with water piping to be blue with black stripe and backwash piping to be beige.
- Greg W. stated that he would be the owner's contact for Emergencies
- Steve S. discussed that the backwash control valves were to be reused and that extra care would need to be taken to make the locations and orientations of the valves for reinstallation.
- The allowance of the replacement of the backwash pumps was discussed. Chris J. and Steve S. both stated that the contractor's pricing exceeded their allowance. James C. stated that he would review the pricing and if possible would revise the proposal to be within the allowance.
- Generator replacement was discussed. Greg W. stated that the replacement generator had been purchased by KWRU and that it is currently being stored by the supplier in Wisconsin. Steve S. stated that he would provide design information so that WSI and could provide a change order proposal.

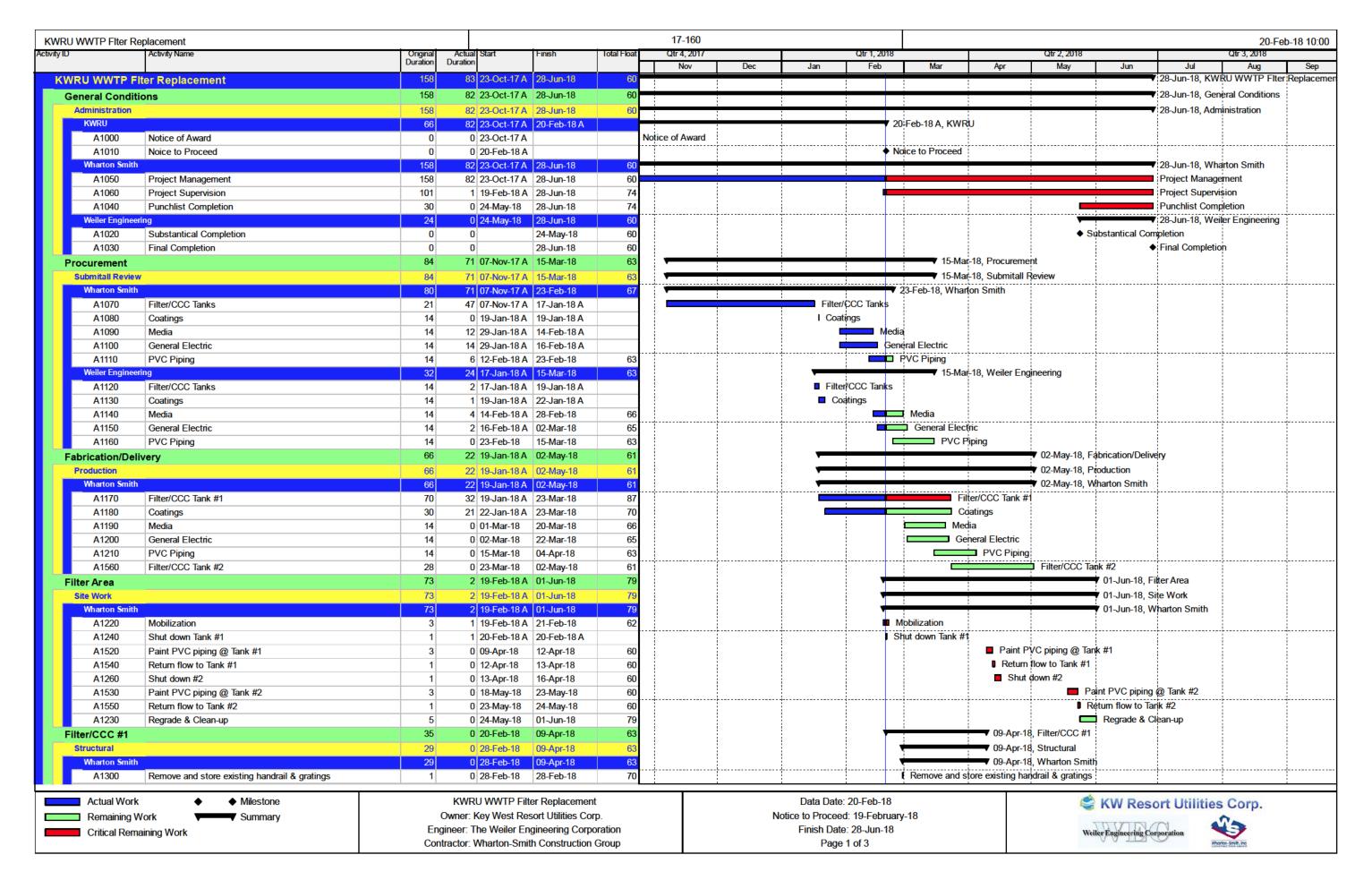


KWRU WWTP Filter Replacement

Preconstruction Meeting February 12, 2018 @ 11 A.M.

Sign In Sheet

Name	Company	Email Address	Phone Number	Initials
Chris Johnson	KWRU	chris@kwru.com	(305) 295-3301	cx
Greg Wright	KWRU	greg@kwru.com	(305) 295-3301	GN
Ed Castle, P.E.	Weiler	edrcastle@me.com	(305) 289-4161	
Steve Suggs, E.I.	Weiler	ssuggs@weilerengineering.org	(941) 323-1787	B
John Sinn	Weiler	jsinn@weilerengineering.org	(305) 289-4161	A
Greg Williams	Wharton-Smith	jcontino@whartonsmith.com	(561) 345-1858	
James Contino	Wharton-Smith	jcontino@whartonsmith.com	(561) 354-8786	2
Edgar Gonzalez	Wharton-Smith	egonzalez@whartonsmith.com	(561) 222-1303	86
Jean Laine	Wharton-Smith	jlaine@whartonsmith.com	(561) 427-5743	
LOUIS GERMAINE	WEILER	LGERMANIE EWELLEN	305 307-4611	Hel



WWTP Fiter Rep	·	Oromal	Actual Start	Finish	Lotal Floa	at	17-160 Qtr 4, 2017			Qtr 1, 2018	<u> </u>		Otr 2 2019			20-Fe Qtr 3, 2018	D-18
	Activity Name	Original Duration	Actual Start Duration	Finish	Iotal Floa	"	Qtr 4, 2017 Nov	Dec	Jan	Ctr 1, 2018	Mar	Apr	Qtr 2, 2018 May	Jun	Jul	Qtr 3, 2018	\top
A1340	Demo and dispose of existing tank	3	0 01-Mar-18	05-Mar-18	70	0	1107	200	Cari		Demo and (- 1		Our	i ou	, any	+
A1350	Clean & inspect existing concrete slab	1	0 06-Mar-18	06-Mar-18	70	- :			:		1	spect existing of					
A1360	Repair any damage to existing slab	1	0 07-Mar-18	07-Mar-18	70	_ :			!		1	damage to ex	1			1	
A1370	Place underlayment on existing slab	1	0 08-Mar-18	08-Mar-18	70	_ :						derlayment on e	, •				
A1380	Offload and set new tank structure	1	0 23-Mar-18	26-Mar-18	60	→			: !				new tank struct			·}	
A1470	Reinstall existing handrail & grating	3	0 04-Apr-18	09-Apr-18	63	_ :						!	Il existing handra	!			
Mechanical	Tremstall existing flandrall & grating	35	0 20-Feb-18	09-Apr-18	63	- :						1	18, Mechanical	in G grating			
Wharton Smith		35	0 20-Feb-18	09-Apr-18	63	- !							18. Wharton Smi	th			
A1250	Remove existing influent, effluent, & backwash piping	2	0 20-Feb-18	21-Feb-18	73						kemove existing i		7	<u>-</u>			
		2			70		}			i	Remove existing					·}	
A1270	Remove existing piping & actuated valves and store	2	0 23-Feb-18	26-Feb-18		- :				1	Remove existing	Y	1	Store			
A1280	Remove existing backwash pumps	1	0 23-Feb-18	23-Feb-18	70	_ :				!	!	!	!				
A1290	Remove and store existing effluent flow meter	1	0 23-Feb-18	23-Feb-18	70	_ !				!	Remove and sto	!	. !				
A1310	Remove and dispose of existing filter media	1	0 23-Feb-18	23-Feb-18	70					1	Remove and disp	1	· 1				
A1320	Remove any remaining piping/components	1	0 26-Feb-18	26-Feb-18	70				¦ {		Remove any re		components		 		
A1330	Clean tank interiors	1	0 27-Feb-18	27-Feb-18	70	_ :			:		Clean tank inte	i				1	
A1390	Install new filter underdraing system	3	0 26-Mar-18	29-Mar-18	60	:			i !		1		er underdraing s	ystem			
A1400	Place new filter media	3	0 29-Mar-18	03-Apr-18	60	0					i -	Place new	i				
A1410	Reinstall existing backwash pumps	1	0 29-Mar-18	30-Mar-18	60	0					1	1	ting backwash p				
A1420	Reinstalll existing back was piping & actuated valves	3	0 30-Mar-18	04-Apr-18	63	3			<u> </u>	<u> </u>		Reinstalll	existing back wa	s piping & actua	ated valves		1
A1430	Reinstall existing influent, effluent & backwash piping	3	0 04-Apr-18	09-Apr-18	63	3			 	!		Reinsta	II existng influent	t, effluent & bac	kwash piping		7
A1510	Reinstall existing effluent meter	1	0 04-Apr-18	05-Apr-18	63	3						■ Reinstall €	existing effluent i	meter			
Electrical		35	0 20-Feb-18	09-Apr-18	60	0				· -	;	— 09-Apr-1	18, Electrical				
Nearshore Electr	ric	35	0 20-Feb-18	09-Apr-18	60	0				—	!	▼ 09-Apr-1	18, Nearshore El	ectric			
A1440	Remove existing conduit & wiring attached to the tank	3	0 20-Feb-18	22-Feb-18	70	0					emove existing	conduit & wirin	g attached to the	e tank			
A1450	Disconnect; remove conduit & wiring from valve actuators	1	0 23-Feb-18	23-Feb-18	70				i		Disconnect; rem					÷	
A1460	Disconnect; remove conduit & wiring from backwas pumps	. 1	0 23-Feb-18	23-Feb-18	70	- :				!	Disconnect; rem	!	_	!			
A1480	Reinstall existing conduit & wiring	5	0 29-Mar-18	05-Apr-18	60	- :				-	1	1	existing conduit &				
A1500	Reconnect existing backwash pumps	1	0 05-Apr-18	06-Apr-18	60	_ :					•	!	ct existing backw				
A1490		1	· ·	09-Apr-18	60	- :						1	ect existing actu	4 7 7			
	Reconnect existing actuator valves	24	0 06-Apr-18				}			ļ		Reconn	1	May-18, Filter/C		·}	
ilter/CCC #2		24	0 16-Apr-18	18-May-18	63							_	1	1	!		
Structural		18	0 24-Apr-18	18-May-18	63	_ ;						_		May-18, Structu	!		
Wharton Smith		18	0 24-Apr-18	18-May-18	63							_	:	May-18, Wharto	:		
A1670	Remove and store existing handrail & gratings	1	0 24-Apr-18	25-Apr-18	60	_						1	Remove and sto				
A1680	Demo and dispose of existing tank	3	0 25-Apr-18	30-Apr-18	60	0			! ! !			_	Demo and dis	spose of existin	g tank	<u> </u>	
A1690	Clean & inspect existing concrete slab	1	0 30-Apr-18	01-May-18	60	0								ect existing cor			
A1700	Repair and damage to existing slab	1	0 01-May-18	02-May-18	60	0							Repair and o	damage to exist	ing slab		
A1710	Place underlayment on existing slab	1	0 02-May-18	03-May-18	60	0							 Place under 	dayment on exis	sting slab		
A1720	Offload and set new tank structure	1	0 03-May-18	04-May-18	60	0							■ Offload and	d set new tank s	structure		
A1790	Reinstall existing handrail & grating	3	0 15-May-18	18-May-18	63	3							■ Reir	nstall existing h	andrail & grating		
Mechanical		24	0 16-Apr-18	18-May-18	63	3			 	!			▼ 18-1	May-18, Mechai	ni¢al		+
Wharton Smith		24	0 16-Apr-18	18-May-18	63	3							18-1	May-18, Wharto	n Smith		
A1570	Remove existing influent, effluent, & backwash piping	2	0 16-Apr-18	18-Apr-18	63	3						■ Rei	i		& backwash pipin	ģ	
A1590	Remove existing piping & actuated valves and store	2	0 19-Apr-18	23-Apr-18	60	_ :						;	_		ed valves and sto	7	
A1600	Remove existing backwash pumps	1	0 19-Apr-18	20-Apr-18	60	_ ;						:	ernove existing b		;		
A1610	Remove and store existing effluent flow meter	1	0 19-Apr-18	20-Apr-18	60				 		- 	. ;	emove and store	 		 	+
A1620	Remove and dispose of existing filter media	1	0 19-Apr-18	20-Apr-18	60	_ :			:		-	1	emove and dispo		;		
A1650		1	0 20-Apr-18	23-Apr-18	60	_ ;						i	Remove and dispo	-			
A1660	Remove any remaining piping/components	1	0 23-Apr-18	· ·	60	_ ;						:	Cean tank interi		Inponents		
	Clean tank interiors	1		24-Apr-18		_ ;						•	i	i	raina eveter		
A1730	Install new filter underdraing system	3	0 04-May-18	09-May-18	60	—i	ļ <u>ļ</u> -		 		-	<u> </u>		ew filter underdi		<u> </u>	
A1740	Place new filter media	3	0 09-May-18	14-May-18	60	_ ;			!					new filter medi			
A1750	Reinstall existing backwash pumps	1	0 09-May-18	10-May-18	60	_ ;							i	II existing backy	i		
A1770	Reinstalll existing back was piping & actuated valves	3	0 10-May-18	15-May-18	63	3				<u> </u>		<u> </u>	Reins	stall existing ba	ck was piping & a	ctuated valves	<u> </u>
Actual Work	◆ Milestone		KWRU WWTP Fil	ter Replaceme	ent				Data Date	20-Feb-18			(4	KW Doo	ort Utilities	Corn	
Remaining W			Owner: Key West Re				l	N	otice to Proceed		v-18						
			gineer: The Weiler Er		-		l	IN		u. 19-rebluai e: 28-Jun-18	y-10			eiler Engineering C	M		
Critical Rema	iining work			0									W	eiler Engineering C	orporation	orton-Smith, Inc	
Critical Rema	iining work		gineer. The Weller Er htractor: Wharton-Smi	0					Page				W	etter Engineering C	orporation	-	

KWRU WWTP Fiter Replacement					17-160							20-Feb-18 10:00							
Activity IL)	Activity Name	Original		Start	Finish	Total Floa	at Qtr 4, 2017				Qtr 1, 2018			Qtr 2, 2018			Qtr 3, 2018	
			Duration	Duration	n				Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	A1780	Reinstall existng influent, effluent & backwash piping	3	(15-May-18	18-May-18	63	3							☐ Rei	nstall existng inf	luent, effluent &	backwash piping	1
	A1800	Reinstall existing effluent meter	1	(15-May-18	16-May-18	63	3						Reinstall existing effluent meter					
	Electrical 24		(16-Apr-18	18-May-18	60)		: :			· · · · · · · · · · · · · · · · · · ·	·	▼ 18-	May-18, Electrica	al		1	
	Nearshore Electric 24		(16-Apr-18	18-May-18	60							•	▼ 18-	May-18, Nearsho	ne Electric			
	A1580	Remove existing conduit & wiring attached to the tank	3	(0 16-Apr-18	19-Apr-18	60							■ Ren	■ Remove existing conduit & wiring attached to the tank				
	A1630	Disconnect; remove conduit & wiring from valve actuators	1	(0 19-Apr-18	20-Apr-18	60	Ī.					■ Disconnect; remove conduit & wiring from valve actuators						
	A1640	Disconnect; remove conduit & wiring from backwas pumps	1	(0 19-Apr-18	20-Apr-18	60	o l					■ Disconnect; remove conduit & wiring from backwas pumps						
	A1760	Reinstall existing conduit & wiring	5	(09-May-18	16-May-18	60			} !	i		Reinstall existing conduit & wiring						
	A1810	Reconnect existing backwash pumps	1	(0 16-May-18	17-May-18	60	j i		: :			■ Reconnect existing backwash pumps						
	A1820	Reconnect existing actuator valves	1	(0 17-May-18	18-May-18	60	j		! !					■ Red	connect existing	actuator valves		

KWRU WWTP Filter Replacement
Owner: Key West Resort Utilities Corp.
Engineer: The Weiler Engineering Corporation
Contractor: Wharton-Smith Construction Group

Data Date: 20-Feb-18

Notice to Proceed: 19-February-18

Finish Date: 28-Jun-18

Page 3 of 3





KWRU WWTP Filter Replacement Submittal Log

							Latest Dates				Required		# of Days	
Submittal	Rev.	Title	Category	Status	Ball In Court	Received	Sent	Returned	Forwarded	Start	Finish	Elpsd	Held	Overdue
					The Weiler Engineering									
01300-001	001	Pre-Construction Video		SUB	Corporation		02/20/18							
01310-001	001	Schedule of Values	Shop Drawing	APP		01/31/18	01/31/18	02/12/18	02/12/18			12		
01310-002	001	Monthly Draw Schedule	Shop Drawing	APP		01/31/18	01/31/18	02/12/18	02/12/18			12		
01310-003	001	CPM Schedule	Shop Drawing	APP		02/01/18	02/01/18	02/12/18	02/12/18			11		
					The Weiler Engineering									
01590-001	001	Site Utilization Plan	Shop Drawing	SUB	Corporation	02/13/18	02/14/18					7	6	
05000-001	A	Filter Structure	Shop Drawing	AAN		01/17/18	01/17/18	01/19/18	01/19/18			29		
					The Weiler Engineering									
05000-002	001	Filter Media	Shop Drawing	SUB	Corporation	02/13/18	02/14/18					7	6	
09900-001	001	Filter Structure Coatings	Shop Drawing	AAN		01/19/18	01/19/18	01/22/18	01/23/18			4		
09900-002	001	PVC Pipe Coatings	Shop Drawing	AAN		02/05/18	02/05/18	02/09/18	02/09/18			4		
					The Weiler Engineering									
16000-001	001	Electrical Materials	Shop Drawing	SUB	Corporation	02/15/18	02/16/18					5	4	





Request and Answer Log

Date: 02/20/2018

Job No:17-160 Page: 1 of 1

Туре	То	Number	Title	Status	Dated	Responded	Required
RFI	The Weiler Engineering	00001	Filter Details	CLO	11/28/2017	12/05/2017	12/05/2017
	Corporation						

Request:

Please reference the attached drawing and provide additional details on the shear gate and the piping penetrations between the boxes as requested. Also, please provide any pictures of the existing filter boxes.

Answer:

Response: 1. The purpose of the shear gate is to allow flow from the front CCC to the back CCC. The shear gate specifications can be found in Specification section 15101 section 2 21. Flanges shall be welded were the shear gate is to be installed which will be towards the upper part of the tank. The flanges & shear gate shall be 8". 2. The underdrain shall have flanges on interior and exterior of the filter cell for the pipe to connect to. 3. Height to bottom of pipe is 52".