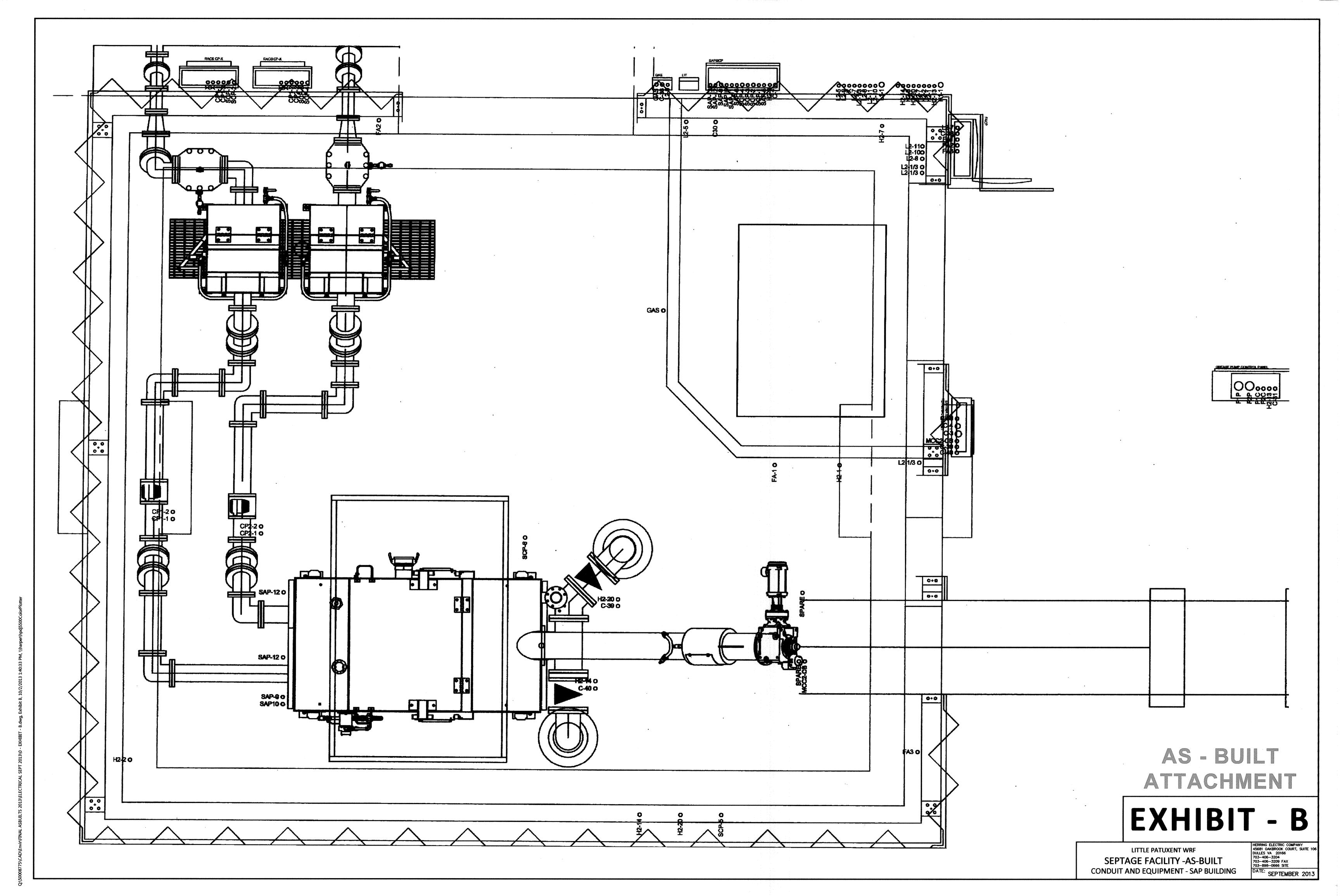
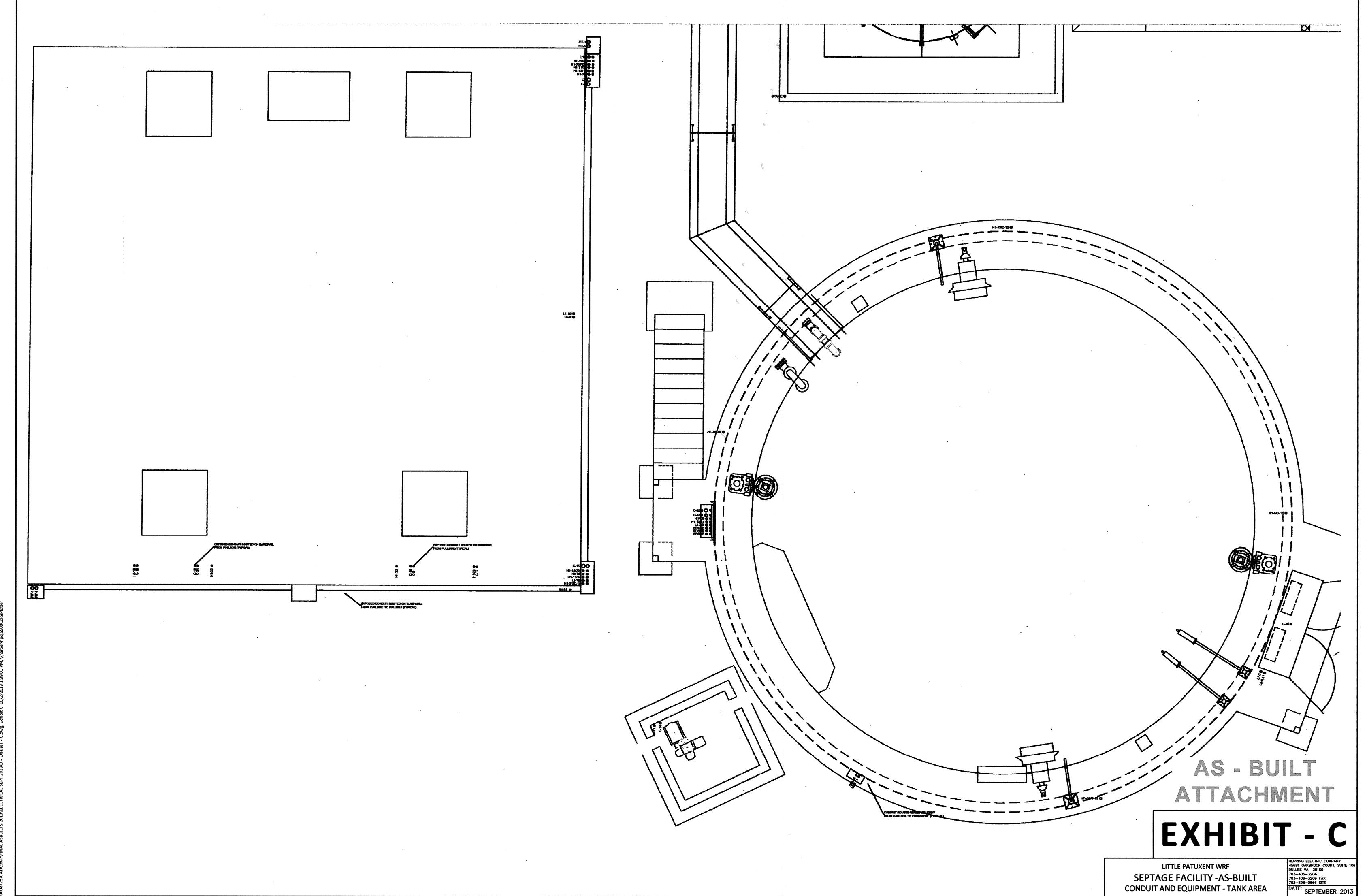
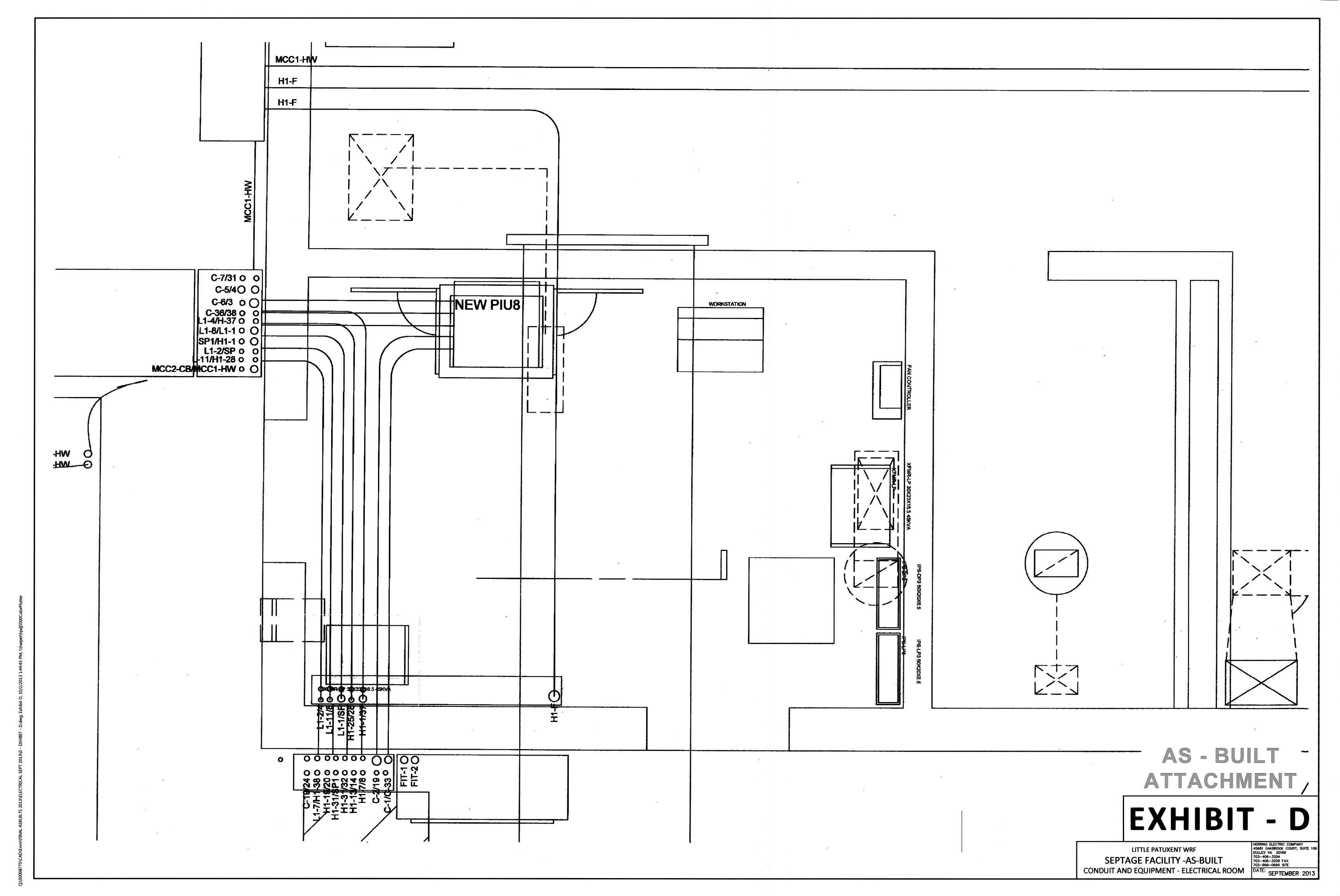


0008775\CAD\Envir\FINAL ASBUILTS 2013\ELECTRICAL SEPT 2013\0 - EXHIBIT - A.dwg, Exhibit A, 10/2/2







	E	XHIBIT E - CO	NDUIT SCH	EDUI	_E		
FUNCTION HEADWORKS	SOURCE HEADWORKS MCC-01 MCC-01	DESTINATION Panel H1 Water Heater	CONDUIT ID H1-F MCC1-HW	SIZE 2-1/2" 1-1/2"	CONTENTS 3 #3/0, #6G 3 #1/0, #6G	LOCATION Headworks	AREA Mechanical Room
1-8070-ME 1-8070-LCP 1-8141-VFD 1-8142-VFD	MCC-02 MCC-02 MCC-02 MCC-02	Conveyor Conveyor Controls Blower 1 Blower 2	MCC2-CA MCC2-CB MCC2-B1 MCC2-B2	3/4" 3/4" 1-1/2" 1-1/2"	3 #12, #12G 12 #14, #14G 3 #2/0, #6G 3 #2/0, #6G	Ductbank Headworks Headworks Headworks Headworks	Screenings Room Screenings Room Blower Room Blower Room
1-8082-P 1-8083-P	PNL H1 PNL H1 PNL H1 PNL H1	PNL H2 XFMR L1 (45KVA) Chopper Pump North Start Chopper Pump South Start		1-1/2" 1-1/2" 3/4" 3/4"	3 #4, #10 3 #4, #8G 3 #12, #12G 3 #12, #12G	Headworks DuctBank Headworks Ductbank Ductbank	Electric Room SAP Building Mechanical Room Digester Tank Digester Tank
1-8084-MX 1-8085-MX 1-8092-MX 1-8093-MX	PNL H1 PNL H1 PNL H1 PNL H1	Mixer-Digester North Starte Mixer-Digester South Start Mixer-Septage Tank West Mixer-Septage Tank East	H1-14 H1-19 H1-20	3/4" 3/4" 3/4" 3/4"	3 #12, #12G 3 #12, #12G 3 #12, #12G 3 #12, #12G	Ductbank Ductbank Ductbank Ductbank	Digester Tank Digester Tank Septage Tank Septage Tank
1-8108/8109-VFD 1-8081-PV 1-8095/8096-SG PANEL L1	PNL H1 PNL H1 PNL H1 PNL H1 From Panel H1 via 45K		H1-28 H1-38 H1-31 H1-32	3/4" 3/4" 3/4" 3/4"	3 #12, #12G 3 #12, #12G 3 #12, #12G 3 #12, #12G	Ductbank Ductbank Ductbank Ductbank	Pump Control Area Pump Control Area Digester Tank Septage Tank Electric Room
Bacteria Cabinet Load Center MgOH Load Center	PNL L1 PNL L1 PNL L1 PNL L1	Panel L1 PNL L2 PNL L3 PNL L4	L1-F L1-1 L1-7 L1-11	1-1/2"	4 #1/0, #6G 4 #4, #10G 3 #8, #10 3 #8, #10	Headworks DuctBank Ductbank Ductbank	SAP Building Digester Tank Pump Control Area
1-8097/8098-L	PNL L1 PNL L4 PNL L3	Heat Trace-Grease Pumps Level-Septage Tank Heat Trace-MgOH Heat Trace-Bacteria Enclo	L1-19 L4-	3/4" 3/4" 3/4"	2 #12, #12G 2 #12, #12G 2 #12, #12G 2 #12, #12G	Ductbank Ductbank Ductbank Ductbank	Pump Control Area Septage Tank Pump Control Area Digester Tank
Panel H2 1-8117-ME	From Panel H1 PNL H2 PNL H2 PNL H2 PNL H2	UH-1 UH-2 EF-1 Controller	H2-1 H2-2 H2-7 H2-8	3/4" 3/4" 3/4"	3 #12, #12G 3 #12, #12G 3 #12, #12G	DuctBank SAP Building SAP Building SAP Building	SAP Building Interior Interior
1-8169-PV 1-8170-PV	PNL H2 PNL H2 PNL H2 PNL H2 PNL H2	Grease Pump Control Pan Grease Outlet Valve SAP Grease Valve SAP Septage Valve		3/4" 3/4" 3/4" 3/4" 3/4"	3 #12, #12G 3 #12, #12G 3 #12, #12G 3 #12, #12G 3 #12, #12G	SAP Building Ductbank SAP Building SAP Building SAP Building	Exterior Pump Control Area Interior Interior Interior
1-81336-HW	From Panel L1 PNL L2	Air Compressor Gas Detection Water Heater UH-3 Lighting-Interior Lighting-Exterior	L2-5 L2-9 L2-11 L2-10 L2-1 L2-3	3/4" 3/4" 3/4" 3/4" 3/4" 3/4"	2 #12, #12G 2 #12, #12G 2 #12, #12G 2 #12, #12G 2 #12, #12G 2 #12, #12G	DuctBank SAP Building SAP Building SAP Building SAP Building SAP Building SAP Building	SAP Building Interior Interior Interior Interior Interior Exterior
1-8167-FA PIU-8	PNL L2 PNL L2 PNL B PIU-8 PIU-8	Receptacles Fire Alarm Septage Tank Pull Box Chopper Pump North Stant Chopper Pump South Start		3/4" 3/4" 1-1/2"	3 #12, #12G 3 #12, #12G 88 #14, #14G 8 #14, #14G 8 #14, #14G	SAP Building SAP Building Headworks Ductbank Ductbank Ductbank	Exterior Exterior Electric Room Digester Tank Digester Tank Digester Tank
	PIU-8 PIU-8 PIU-8 PIU-8 PIU-8 PIU-8	Mixer-Digester North Start Mixer-Digester South Start Outlet Valve-Digester Mixer-Septage Tank West Mixer-Septage Tank East Sliuce Gates-Septage	C-12 C-13 C-14 C-16 C-17 C-18	3/4" 3/4" 3/4" 1"	8 #14, #14G 8 #14, #14G 10 #14, #14G 8 #14, #14G 8 #14, #14G 24 #14, #14G	Ductbank Ductbank Ductbank Ductbank Ductbank Ductbank Ductbank	Digester Tank Digester Tank Digester Tank Septage Tank Septage Tank Septage Tank
1-8104-LS	PIU-8 PIU-8 PIU-8 PIU-8 PIU-8	MgOH Tank Leak Alarm Septage Tank Pull Box LITs-Septages Sliuce Gates-Septage DO/pH- Digester	C-19 C-2 C20 C21 C22	3/4" 2" 3/4" 1" 3/4"	4 #14, #14G 10 2/C TSP, #14G 2 2/C TSP, #14G 4 2/C TSP, #14G 2 2/C TSP, #14G	Ductbank Ductbank Ductbank Ductbank Ductbank	Digester Tank Digester Tank Septage Tank Septage Tank Digester Tank
Valves, Level, Gas Detection Valves, Level, Gas Detection Pump control, tank leak	PIU-8 PIU-8 PIU-8 PIU-8 PIU-8	SAP Building TC SAP Building TC MgOH System	C-3 C-4 C-5	3/4" 2" 1-1/2" 3/4"	1 2/C TSP, #14G 76 #14, #14G 9 2/C TSP, #14G 36 #14, #14G 2 #14, #14G	Ductbank Ductbank Ductbank	SAP Building SAP Building Pump Control Area
Pump speed, tank level 1-8103-L	PIU-8 PIU-8 PIU-8 PIU-8 PIU-8	Eyewash-MgOH MgOH System Level-MgOH Tank SAP MCP-SCP Water Heater-MgOH Grease Pump Control Pane	C-35 C-6 C-24 C-7 C30 C31	3/4" 1-1/2" 3/4" 1" 3/4" 3/4"	2 #14, #14G 8 2/C TSP, #14G 1 2/C TSP, #14G Communication 2 #14, #14G 6 #14, #14G	Ductbank Ductbank DuctBank DuctBank Ductbank Ductbank	Pump Control Area Pump Control Area Pump Control Area SAP Building Pump Control Area Pump Control Area
1-8167-FA	PIU-8 PIU-8 PIU-8	Gas Detection Fire Alarm Conveyor-(MCC02) Blower 1	C-36 C-38 Existing	1" 3/4" 2"	3 2/C TSP, #14G 3 #12, #12G 10 #14, #14G 10 #14, #14G	SAP Building SAP Building Headworks	Exterior Exterior Screenings Room Blower Room
1-8169-PV 1-8170-PV	PIU-8 PIU-8 PIU-8 PIU-8 PIU-8	Blower 1 Blower 2 Blower 2 SAP Grease Valve SAP Septage Valve	Existing Existing Existing Existing C-39 C-40	2" 2" 2" 2" 3/4"	2 2/C TSP, #14G 10 #14, #14G 2 2/C TSP, #14G 4 #14, #14G 4 #14, #14G	Headworks Headworks Headworks SAP Building SAP Building	Blower Room Blower Room Blower Room Interior
SAP Main Control Panel	SAP MCP-SCP SAP MCP-SCP	RACS-CP1 RACS-CP1	SAP1 SAP2	3/4" 3/4"	8 #14, #14G 1 CAT5	Headworks SAP Building SAP Building	Electric Room Interior Interior
	SAP MCP-SCP SAP MCP-SCP SAP MCP-SCP SAP MCP-SCP SAP MCP-SCP SAP MCP-SCP	RACS-CP2 RACS-CP2 Screen Drive LCP LIT-1 LIT-1	SAP3 SAP4 SAP5 SAP6 SAP7 SAP8	3/4" 3/4" 3/4" 1" 3/4" 3/4"	8 #14, #14G 1 CAT5 3 #12, 2#14, #12G 10 #14, #14G 2 #12, #12G 1 2/C TSP, #14G	SAP Building SAP Building SAP Building SAP Building SAP Building SAP Building	Interior Interior Interior Interior Interior Interior Interior
1-8169-PV 1-8170-PV	SAP MCP-SCP SAP MCP-SCP SAP MCP-SCP LIT-1 SAP MCP-SCP SAP MCP-SCP	Tank Lid Limit Switch Screen SV Screen Drive ZS LE1/LE2 SAP Grease Valve SAP Septage Valve	SAP9 SAP10 SAP11 SAP12 C-30 C-30	3/4" 3/4" 3/4" 1" 3/4" 3/4"	4 #14, #14G 1 2/C TSP, #14G 1 2/C TSP, #14G 2 MSC 4 #14, #14G 4 #14, #14G	SAP Building SAP Building SAP Building SAP Building SAP Building SAP Building	Interior Interior Interior Interior Interior Interior Interior
	RACS-CP1 RACS-CP1 RACS-CP1 RACS-CP1	Flow Meter Flow Meter Inlet Line SV Inlet Line PS/H	CP1-1 CP1-2 CP1-3 CP1-4	3/4" 3/4" 3/4" 3/4"	2 #12, #12G 1 2/C TSP, #14G 4 #14, #14G 4 #14, #14G	SAP Building SAP Building SAP Building SAP Building	Interior Interior Interior Interior
Misc.	RACS-CP2 RACS-CP2 RACS-CP2 RACS-CP2	Flow Meter Flow Meter Inlet Line SV Inlet Line PS/H	CP2-1 CP2-2 CP2-3 CP2-4	3/4" 3/4" 3/4" 3/4"	2 #12, #12G 1 2/C TSP, #14G 4 #14, #14G 4 #14, #14G	SAP Building SAP Building SAP Building SAP Building Headworks	Interior Interior Interior Interior Interior Interior Interior
1-8088/8089-M 1-8086-L	PNL L3 PNL L3	DO/pH- Digester LIT-Digester	L3-9 L3-12	3/4"	2#12, #12G 2#12, #12G		Digester Tank Digester Tank

a Zanania kata sa kata kata kata kata kata kata	- 100 to				XH	BIT	F-	SEF	PTAGE	FIELD		
SEPTAGE ACCEPTA			OL PA	WEL					T	l market en en en en		T
LOCATION	TB/CD	TERM			1	IRE#		ТВ	TERM	SHIELD#	LOCATION	FUNCTION
Septage	-	237A		(),,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Contract Con	237A					SAP Local Control	120V LCP Comm
Acceptance Plant Control Panel	1 F	1:0/02				0/02					Station	Screen Mode Ha
SAP CP	-	1:0/03				0/03			See LakeSide			Screen Mode Au
ocated North Side	-	1:0/04 1:0/05				:0/04 :0/05			Schemaitic			Jog Forwa
SAP Building	-	1:0/05				:0/05			for LCP			Jog Rever Wash Mode Ha
one building	1 F	1:0/07				:0/06			Switch			Wash Mode Au
	-	1:0/01				0/01			Wiring			
	-	239A		****		239A			Annig			Reset/Cycle St
		239		1, no se mo		239						E-31
		200		<u> </u>		200					3	1
		237A			2	237A		Relay	11		Grease Pump Station	HighWater Ala
		1:1/03			l:	1/03		R5	3	l	(Flygt)	
	r	237A			2	237A			P1		Screwpactor Motor	Temp Swite
		1:1/09		on digar name of		0/09			P2	1		at Mo
									A		34	
		243A				243A			С		Screwpactor Motor	Auxilliary Conta
	<u> </u>	243B		NA TANANSANA	2	243B			l no	<u> </u>	<u> </u>	in Disconnect Swit
		0:0/04			0	:0/04			X1		SAP Solenoid	TankWa
	-	233	7	***************************************		233			X2	1	Wash Manifold	I diliky va
	1 F	0:0/01		Maria ex		:0/01			X1		Tradii maimolo	Lower Wa
		233				233			X2	1		LOWE! VV
		0:0/02				:0/02			X1	1		Screenings Wa
		233				233			X2			Cor Commigo VVa
	1 t	0:0/03				:0/03			X1	1		Dewatering Wa
		233				233			X2	1		Downwing vva
		237A				237A			L1		SAP Tank Level	120V Pow
		233				233			L2		Transmitter	
		1.04				wht		+	25			Tank Level Sign
	1 4	301				blk		•	24			
		GRD				sh			<u> </u>		<u> </u>	<u> </u>
	<u> </u>	32BA			3	2BA			ГС	I	ISAP Tank	Home Swit
*	1 +	328B				28B			NO		Lid Safety Switch	1 TOITIE SWILL
	1 F	329A		iano antico		329A			 	1	The outer owner	Lid Swit

SAP CP/ OPS CP IN						,		.,-		
LOCATION	TB/CD	TERM		WII	RE#	TE	3 TERM	SHIELD#	LOCATION	FUNCTION
SAP CP	_	345A			15A		1006A		Operator Interface	Emergency Sto
	-	345B			15B	annichmen.	1006B		Control Panel 1	SAP-CF
	-	241A			11A		1146A	4	CP-1	Emergency Sto
	-	241B			MB		1146B			CP-SA
	-	235 233			35 33		CB101 233/1002	-	v	120V Powe
		233			<u> </u>		1 233/1002			
SAP CP	T	346A		34	16A		1406A		Operator Interface	Emergency Sto
	l F	346B			16B	_	1406B		Control Panel 1	
		241B			11B		1546A	1	CP-2	SAP O
		243A		Name and Address of the Owner, where the Party of the Owner, where the Party of the Owner, where the Owner, which is	13A		1546B	1		
		236		2	36		CB1401/140	FI .		120V Powe
		233		2	33		233/1402	1		
							;			
OP- FIELD CONNEC	CTIONS									<u> </u>
Operator Interface		1001)01		<u>L1</u>	4	West	120V Powe
Control Panel 1		1002	····		002		N		Flow Meter	
CP-1	L	1:0/04		<u> </u>	vht	+	26]		Flow Signa
		1018		t	olk	-	27			
	LL	GRD			sh				<u> </u>	
	·	0.00			0.60				IDAGO III-ii	
		O:0/0 1002			:0/0 :002	_	X1 X2	4	RACS Unit	Inlet Solenoi
	1 F	1002			N/Z		<u> </u>	-		Pressure Switc
						_				r leasure Own
			, ,							
Operator Interface		1401			101		L1		East	120V Powe
Control Panel 1		1402			102		N		Flow Meter	
CP-2		1:0/04		W	vht	- +	26	_		Flowl Signa
		1418		t	olk		27]		
		GRD			sh					
		0.00			010				(I-xaa-ii-i	
		0:0/0 1402	-		:0/0 102		X1 X2	-	RACS Unit	Inlet Solenoi
	F	1702		14	TUL.		 ^			Pressure Switc
			_					4		1 TOOGGE GWICE

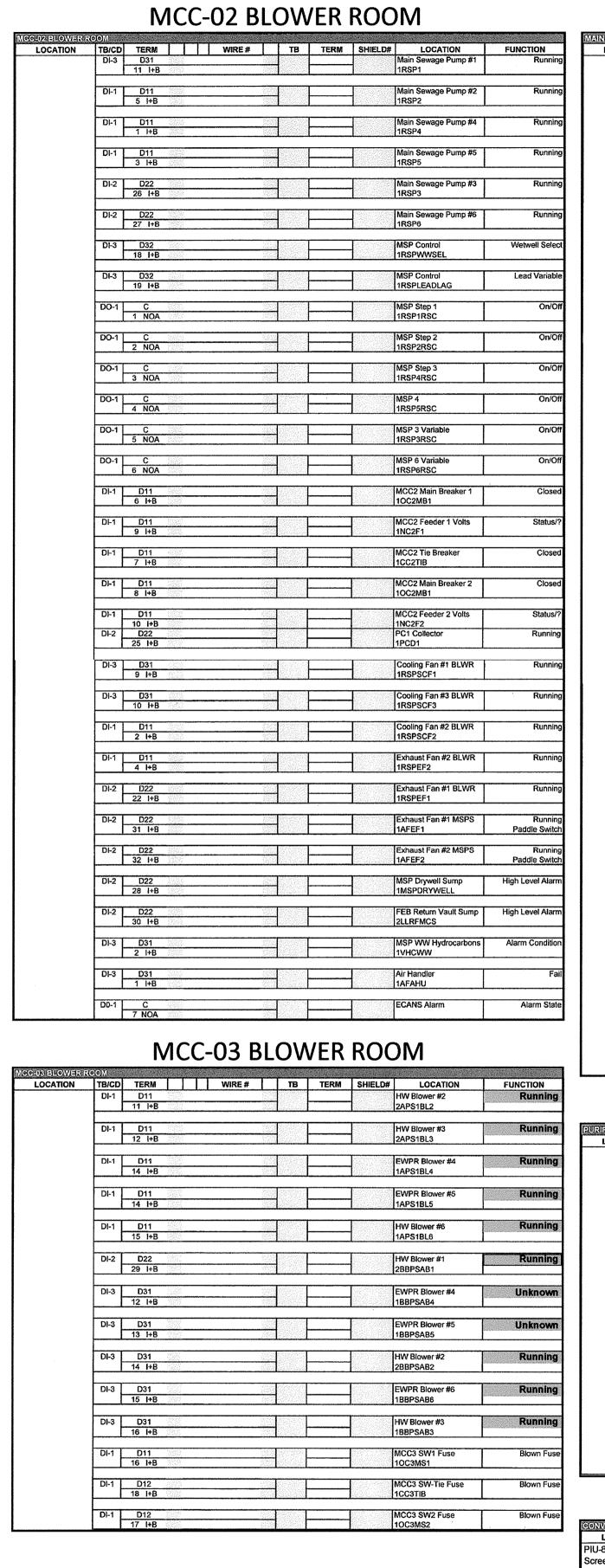
AS - BUILT ATTACHMENT

EXHIBITS-E & F

LITTLE PATUXENT WRF
SEPTAGE FACILITY -AS-BUILT
EXHIBITS - E & F

HERRING ELECTRIC COMPANY
45681 OAKBROOK COURT, SUITE 106
DULLES VA 20166
703-406-3204
703-406-3209 FAX
703-898-0666 SITE

DATE:
SEPTEMBER 2013



				2 1500 E 6500 E	F/200+576205435	1CSG1TIB	
	DI-1	D12 21 I+B		-		13.2kV Main Breaker 2 10SG1MB2	Closed
	DI-1	D12 27 I+B				13.2kV Feeder 2 Volts 1NSG1F2	Status/1
	DI-1	D12 22 I+B		4 –		13.2kV Fdr Brkr 1 10SG1FB1	Blown Fuse
	DI-1	D12 23 I+B				13.2kV Fdr Brkr 2 10SG1FB2	Blown Fuse
	DI-1	D12		<u>-</u>		13.2kV Fdr Brkr 3	Blown Fuse
	DI-1	24 I+B D12 25 I+B				10SG1FB3 13.2kV Fdr Brkr 4 10SG1FB4	Blown Fuse
	DI-1	D11				SS1 Main Breaker 1	Closed
	DI-2	28 I+8 D21				10S1MB1 SS1 Main 1 Volts	Status/7
	DI-1	6 I+B D11				INS1F1 SS1 Tie Breaker	Closed
	DI-1	29 I+B				1CS1TIB SS1 Main Breaker 2	Closed
		30 I+B				1OS1MB2	
	DI-2	D21 5 I+B		<u> </u>		SS1 Main 2 Volts 1NS1F2	Status/7
	DI-1	D11 31 I+B				SS1 Transformer 1 1THS11	High Temperature
	DI-1	D11 32 I+B				SS1 Transformer 1 1LLLS11	Low Oil Leve
	DI-2	D21 1 I+B				SS1 Transformer 1 1PRESS11	High Oil Pressure
	DI-2	D21 2 I+B				SS1 Transformer 2 1THS12	High Temperature
	DI-2	D21 3 I+B	50.46 V			SS1 Transformer 2 1LLLS12	Low Oil Level
	DI-2	D21 4 I+B				SS1 Transformer 2 1PRESS12	High Oil Pressure
	DI-2	D21 7 I+B		-		PS1 Fuse Main 1	Blown Fuse
	DI-2	D21				PS1 Fuse Main 2	Blown Fuse
	DI-2	8 I+B D21				PS1 Transformer 1	High Temperature
	DI-2	11 I+B D21				PS1 Transformer 1	Low Oil Leve
	DI-2	12 I+B D21				PS1 Transformer 1	High Oil Pressure
	DI-2	13 I+B				1PREPP11 PS1 Transformer 2	High Temperature
		14 I+B				1THP12	
	DI-2	D21 15 I+B				PS1 Transformer 2 1LLLS12	Low Oil Leve
	DI-2	D21 16 I+B		<u> </u>		PS1 Transformer 2 1PREPS12	High Oil Pressure
	DI-2	D22 17 I+B				PS1 Main Breaker 1 1OP1MB1	Closed
	DI-2	D22 20 I+B	77.2 7.33 8.33			PS1 Main 1 Volts 1NP1F1	Status/?
	DI-2	D22 18 I+B		H		PS1 Tie Breaker 1CP1TIB	Closed
	DI-2	D22 19 I +B				PS1 Main Breaker 2 1OP1MB2	Closed
	DI-2	D22 21 I+B				PS1 Main 2 Volts 1NP1F2	Status/?
			PU	RIFA	X		
N	TB/CD	75					
	DI-3	TERM	WIRE#	ТВ Т	ERM SHIELD#	LOCATION	FUNCTION
		D31 3 I+B	WIRE#	TB T	ERM SHIELD#	PFX Sludge Pump #1 3SP1F	FUNCTION Running
	D!-3	D31 3 I+B D31 4 I+B	WIRE#	TB T	ERM SHIELD#	PFX Sludge Pump #1 3SP1F PFX Sludge Pump #2 3SP2F	FUNCTION Running Running
	DI-3	D31 3 I+B D31	WIRE#	1B T	ERM SHIELD#	PFX Sludge Pump #1 3SP1F PFX Sludge Pump #2	FUNCTION Running Running
		D31 3 I+B D31 4 I+B	WIRE#	1B 1	ERM SHIELD#	PFX Sludge Pump #1 3SP1F PFX Sludge Pump #2 3SP2F PFX Sludge Pump #3	FUNCTION Running Running
	DI-3	D31 3 I+B D31 4 I+B D31 5 I+B		1B T	ERM SHIELD#	PFX Sludge Pump #1 3SP1F PFX Sludge Pump #2 3SP2F PFX Sludge Pump #3 3SP3F	FUNCTION Running Running Running
	DI-3	D31 3 I+B D31 4 I+B D31 5 I+B D31 6 I+B		1B 1	ERM SHIELD#	PFX Sludge Pump #1 3SP1F PFX Sludge Pump #2 3SP2F PFX Sludge Pump #3 3SP3F PFX Grinder #1 3SG1F	FUNCTION Running Running Running Running
	DI-3 DI-3	D31 3 I+B D31 4 I+B D31 5 I+B D31 6 I+B D31 7 I+B			ERM SHIELD#	PFX Sludge Pump #1 3SP1F PFX Sludge Pump #2 3SP2F PFX Sludge Pump #3 3SP3F PFX Grinder #1 3SG1F PFX Grinder #2 3SG2F PFX Grinder #3	FUNCTION Running Running Running Running Running
	DI-3 DI-3 DI-3	D31 3 I+B D31 4 I+B D31 5 I+B D31 6 I+B D31 7 I+B D31 8 I+B			ERM SHIELD#	PFX Sludge Pump #1 3SP1F PFX Sludge Pump #2 3SP2F PFX Sludge Pump #3 3SP3F PFX Grinder #1 3SG1F PFX Grinder #2 3SG2F PFX Grinder #3 3SG3F	FUNCTION Running Running Running Running Running Unknown
	DI-3 DI-3 DI-3 DI-3	D31 3 I+B D31 4 I+B D31 5 I+B D31 6 I+B D31 7 I+B D31 8 I+B D32 17 I+B			ERM SHIELD#	PFX Sludge Pump #1 3SP1F PFX Sludge Pump #2 3SP2F PFX Sludge Pump #3 3SP3F PFX Grinder #1 3SG1F PFX Grinder #2 3SG2F PFX Grinder #3 3SG3F PFX Compressed Air 3IAP Purifax Chamber 4	FUNCTION Running Running Running Running Running
	DI-3 DI-3 DI-3 DI-3 DI-3	D31 3 I+B D31 4 I+B D31 5 I+B D31 6 I+B D31 7 I+B D31 8 I+B D32 17 I+B D21 9 I+B			ERM SHIELD#	PFX Sludge Pump #1 3SP1F PFX Sludge Pump #2 3SP2F PFX Sludge Pump #3 3SP3F PFX Grinder #1 3SG1F PFX Grinder #2 3SG2F PFX Grinder #3 3SG3F PFX Compressed Air 3IAP Purifax Chamber 4 3C4HL Purifax Chamber 4	FUNCTION Running Running Running Running Running Running Lowlevel Alarm Low level Alarm
	DI-3 DI-3 DI-3 DI-3 DI-2	D31 3 I+B D31 4 I+B D31 5 I+B D31 6 I+B D31 7 I+B D31 8 I+B D32 17 I+B D21 9 I+B D21 10 I+B D21 23 I+B			ERM SHIELD#	PFX Sludge Pump #1 3SP1F PFX Sludge Pump #2 3SP2F PFX Sludge Pump #3 3SP3F PFX Grinder #1 3SG1F PFX Grinder #2 3SG2F PFX Grinder #3 3SG3F PFX Compressed Air 3IAP Purifax Chamber 4 3C4HL Purifax Chamber 4 3C4LL Purifax Chamber 3 3C3HL Purifax Chamber 3	FUNCTION Running Running Running Running Running Unknown High level Alarm Low level Alarm
	DI-3 DI-3 DI-3 DI-3 DI-2 DI-2	D31 3 I+B D31 4 I+B D31 5 I+B D31 6 I+B D31 7 I+B D31 8 I+B D32 17 I+B D21 9 I+B D21 10 I+B				PFX Sludge Pump #1 3SP1F PFX Sludge Pump #2 3SP2F PFX Sludge Pump #3 3SP3F PFX Grinder #1 3SG1F PFX Grinder #2 3SG2F PFX Grinder #3 3SG3F PFX Compressed Air 3IAP Purifax Chamber 4 3C4HL Purifax Chamber 4 3C4HL Purifax Chamber 3 3C3HL	FUNCTION Running Running Running Running Running Unknown High level Alarm Low level Alarm
	DI-3 DI-3 DI-3 DI-2 DI-2 DI-2	D31 3 I+B D31 4 I+B D31 5 I+B D31 6 I+B D31 7 I+B D31 8 I+B D32 17 I+B D21 10 I+B D21 23 I+B D21 24 I+B	CON	VEYO		PFX Sludge Pump #1 3SP1F PFX Sludge Pump #2 3SP2F PFX Sludge Pump #3 3SP3F PFX Grinder #1 3SG1F PFX Grinder #2 3SG2F PFX Grinder #3 3SG3F PFX Compressed Air 3IAP Purifax Chamber 4 3C4HL Purifax Chamber 3 3G3HL Purifax Chamber 3 3G3HL	FUNCTION Running Running Running Running Running Running Lowlevel Alarm Low level Alarm Low level Alarm Low level Alarm
1	DI-3 DI-3 DI-3 DI-2 DI-2 DI-2	D31 3 I+B D31 4 I+B D31 5 I+B D31 6 I+B D31 7 I+B D31 8 I+B D31 8 I+B D32 17 I+B D21 10 I+B D21 23 I+B D21 24 I+B TERM D52 17 I+B	CON	VEY(OR SHIELD# 50 51	PFX Sludge Pump #1 3SP1F PFX Sludge Pump #2 3SP2F PFX Sludge Pump #3 3SP3F PFX Grinder #1 3SG1F PFX Grinder #2 3SG2F PFX Grinder #3 3SG3F PFX Compressed Air 3IAP Purifax Chamber 4 3C4HL Purifax Chamber 4 3C4HL Purifax Chamber 3 3C3HL Purifax Chamber 3 3C3HL Purifax Chamber 3 3C3LL LOCATION Conveyor 01-7630-M	FUNCTION Running Running Running Running Running Unknown High level Alarm Low level Alarm Low level Alarm FUNCTION Running
cility	DI-3 DI-3 DI-3 DI-2 DI-2 DI-2 TB/CD	D31 3 I+B D31 4 I+B D31 5 I+B D31 6 I+B D31 7 I+B D31 8 I+B D31 8 I+B D31 17 I+B	CON Wire# DI-5 17A DI-5 17B DI-5 17B DI-5 18A DI-5 18A DI-5 19A	VEYO	OR SHIELD# 50 51 50 51 50 51 50 62 65 64 64 58	PFX Sludge Pump #1 3SP1F PFX Sludge Pump #2 3SP2F PFX Sludge Pump #3 3SP3F PFX Grinder #1 3SG1F PFX Grinder #2 3SG2F PFX Grinder #3 3SG3F PFX Compressed Air 3IAP Purifax Chamber 4 3C4HL Purifax Chamber 4 3C3HL Purifax Chamber 3 3C3HL Purifax Chamber 3 3C3HL Purifax Chamber 3 3C3LL	FUNCTION Running Running Running Running Running Running Lowlevel Alarm Low level Alarm Low level Alarm Low level Alarm
	DI-3 DI-3 DI-3 DI-2 DI-2 DI-2 TB/CD	D31 3 I+B D31 4 I+B D31 5 I+B D31 6 I+B D31 7 I+B D31 8 I+B D31 8 I+B D31 17 I+B D31 10 I+B D21 10 I+B D21 24 I+B TERM D52 17 I+B D52 17 I+B D52 18 I+B D52 19 I+B D52 20 I+B	CON	VEYO	DR SHIELD# 50 51 62 63 64 58 69 60 61	PFX Sludge Pump #1 3SP1F PFX Sludge Pump #2 3SP2F PFX Sludge Pump #3 3SP3F PFX Grinder #1 3SG1F PFX Grinder #2 3SG2F PFX Grinder #3 3SG3F PFX Compressed Air 3IAP Purifax Chamber 4 3C4HL Purifax Chamber 4 3C4LL Purifax Chamber 3 3C3HL Purifax Chamber 3 3C3HL	FUNCTION Running Running Running Running Running Running Running Unknown High level Alarm Low level Alarm Low level Alarm FUNCTION Running In Remote/Auto Failed E-Stop
cility	DI-3 DI-3 DI-3 DI-2 DI-2 DI-2 TB/CD	D31 3 I+B D31 4 I+B D31 5 I+B D31 6 I+B D31 7 I+B D31 8 I+B D31 7 I+B D31 8 I+B D31 10 I+B D21 10 I+B D21 23 I+B D21 24 I+B TERM D52 17 I+B D52 18 I+B D52 19 I+B	CON	VEYO	TOR SHIELD# 50 62 59 60 60	PFX Sludge Pump #1 3SP1F PFX Sludge Pump #2 3SP2F PFX Sludge Pump #3 3SP3F PFX Grinder #1 3SG1F PFX Grinder #2 3SG2F PFX Grinder #3 3SG3F PFX Compressed Air 3IAP Purifax Chamber 4 3C4HL Purifax Chamber 4 3C4LL Purifax Chamber 3 3C3HL Purifax Chamber 3 3C3HL	FUNCTION Running Running Running Running Running Running Running Lowlevel Alarm Low level Alarm Function Running

MAIN SWITCHGEAR/SUBSTATION

BAR SCREENS

ENTING SIGNALS	TB/CD	TERM	TIT	WIRE#	I	ТВ	TERM	SHIELD#	LOCATION	FUNCTION
	Al-1	1 I-A	323					Al-1	PS1 Feeder 1	KV
		1 I+B			7.7.19			1 1	IKWPS11	
	ļI	SH1	(NR)		180,03			L		
	Al-1	2 l-A	35.60		raws	Y \$47 C S 410	T	T	PS1 Feeder 2	KW KW
	1 7"	2 I+B	28.5	···· ·· · · · · · · · · · · · · · · ·	50.00			Al-1.	IKWPS12	
		SH1	43.5	·····	WE35			2		
	Al-1	3 I-A						Al-1	SS1 Feeder 1	KV
	1 1	3 I+B	7.75.6		12373			3	IKWSS11	
	ļJ	SH2	W348		1			1	1	
	Al-1	4 I-A	30%		2557			T	SS1 Feeder 2	KV
		4 I+B	75000		377.00			Al-1.	IKWSS12	
		SH2	<u> </u>							
	100		6286A-		ketaat I	144 Det Striggs 6		T	I O ON CENTRAL	
	Al-1	5 I-A 5 I+B		 					1	KV
	1 h	SH3	235545 255234		244545 272033			5	INVVCGZI	
								4		
	Al-1	6 I-A	7/7/20		20,797 20,247 20,247			Al-1	13.2kV Feeder 2	KV
	1 1	6 I+B		· · · · · · · · · · · · · · · · · · ·	200			6	IKWCC22	
		SH3	200			4,000			<u></u>	
	Al-1	7 I-A	19.5	···	(027/8)			I .	MCC3 Feeder 1	KW
	1 '" '	7 I+B						AI-1 7	IKWCC31	****
		SH4	ANY		BANGE.			1		
	100	0.14	29830		303.94	0000.54574599			lucco Fandano	106
	Al-1	8 I-A 8 I+B	20,000 2000		70.00			Al-1	MCC3 Feeder 2 IKWCC32	, N
	1 h	SH4	704444 77753		1087/2			8	INVVOODE	
	Al-1	12 I-A	30/10		525			Al-1	FEB #1 Air Flow	Flow Indication
	1 -	12 I+B						12 Al-1	2AIREB1	
	 	SH7			200,94			13	<u> </u>	Air Flow FIT
	Al-1	14 I-A	\$355 \$455 \$455 \$455 \$455 \$455 \$455 \$455		2747			Ī	FEB #3 Level	Level Transmitter
	1 "	14 I+B	10.4		W.			Al-1 14	ILLEQT3	
		SH7	9460 vy 357 vy 6					1		LIT
	114	40.14	20000		desgles, c	035079301403			I.a.	
	A - 1	16 I-A 16 I+B			3000			AI-1	Wetwell #1 LIT	Level Transmitter
	1 1	SH8						8	ILLWW1	LIT
								·		
	Al-2	1 I-A	\$24(4) \$44(4) \$48(44)					Al-2	Wetwell #2 LIT	Level Transmitter
	1 -	1 I+B	1947g					1	liiWW2	4 17
		SH9			H1400001			1	11	LIT
	Al-2	2 I-A			47/07			۸۱۸	Influent Channel #1 LIT	Level Transmitter
	1 [2 l+B	V. (5)					Al-2 2	1LLIC1_NEW	
		SH9), (1997) 		33.69			L	<u> </u>	LIT
	Al-2	3 I-A	1513		A 2 4 5			T	Influent Channel #2 LIT	Level Transmitter
	1 7 -2	3 I+B	59944 19794		7/29/08			Al-2 3	1LLIC2_NEW	reset transmittel
	1 1	O ITE								

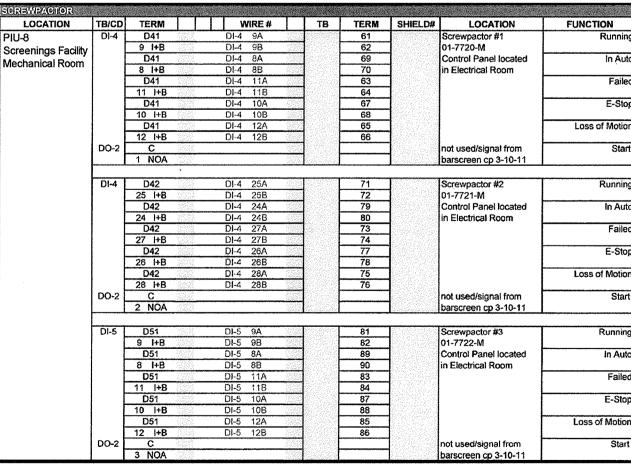
SEPTAGE FACILITY					į					
LOCATION PIU-8	TB/CD DI-6	D61	93	WIRE# DI-6 6A		TB	TERM	SHIELD#	LOCATION Septage Mixer #1	FUNCTION Running
Screenings Facility	1	6 I+I	В	DI-6 6B DI-6 1A		1	See		1-8082-MX	High Temperature
Mechanical Room	DI-1	1 I+I	В	DI-6 1B DI-1 11A		1	schematic for			Leak Detection
	DO-2	11 I+ C	В	DI-1 11B DO-2 4A		1	connection details			Start
	<u> </u>	4 NO.	Α	DO-2 48		1				Start
	DI-6	D61	3 3	DI-6 7A DI-6 7B					Septage Mixer #2 1-8083-MX	Running
		D61	18	DI-6 2A			See schematic		1-6063-WA	High Temperature
	DI-1	2 I+I D11		DI-1 12A			for connection			Leak Detection In Auto
	DO-2	12 l+i	186	DI-1 12B DO-2 5A	1976	}	details			Start
		5 NO.	A .	DO-2 5B	702		<u> </u>	<u> </u>	1	
	DI-1	D11	В	DI-1 15A			5 6		Septage Slide Gate #1 1-8095-SG	In Auto
	LSA-2	R4		wht			18	AO-1	1 2000	Position Command
	AO-1	T4 SH26	S	blk sh			17	4		
	LSA-1 Al-3	R13	170	wht blk			8 7	Al-3		Position Feedback
	71-3	SH23	1	sh				13		
	DI-1	D11	5/2	DI-1 16A			5		Septage Slide Gate #2	In Auto
	LSA-2	16 I+ R5	В	DI-1 16E wht		1	6 18		1-8086-SG	Position Command
	AO-1	T5	79	blk		1	17	AO-1 5		
	LSA-1	SH27 R14		sh wht			8	A1 2		Position Feedback
	AI-3	T14 SH23	337	blk sh	1010		7	Al-3 14		
			- 25		20,000			I.		
	DI-6	D62	В	DI-6 22A DI-6 22B	77.70		See		Digester Mixer #1 1-8084-MX	Running
		D62	B 22	DI-6 23A DI-6 23B			schematic for		North	High Temperature Leak Detection
	DI-1	D11 13 I+		DI-1 13A DI-1 13B			connection details		Programme and the second secon	In Auto
	DO-1	10 C		DO-1 10A DO-1 10B			ucidiis			Start
	DI-6	D62	369	DI-6 24A	10000	53227177		NA PARAMETERS	Digester Mixer #2	Running
		24 I+I	B 3//	DI-6 24B DI-6 25A			See		1-8085-MX South	High Temperature
	DL4	25 l+l	B	DI-6 25B			schematic for		- Journ	Leak Detection
	DI-1	D11		DI-1 14A DI-1 14B			connection details			In Auto
	DO-1	11 C		DO-1 11A DO-1 11B	563,5					Start
	DI-3	D31	200	DI-3 12A	24.24.2 24.24.2		1		Chopper Pump #1	Running
		12 I+I D31	В	DI-3 128 DI-3 13A	100000		See		1-8082-P West	High Temperature
		13 I+I D31	В	DI-3 13B DI-3 14A			schematic for			Leak Detection In Auto
	DO-1	14 I+I		DI-3 14B DO-1 12A	771075 120175 140175		connection details			Start
	DO-1	12 NO		DO-1 12B	2/64/962 7/2025					Start
		D31	144	DI-3 15A	7/56/64				Chopper Pump #2	Running
		15 l+1 D31	B (1/2)	DI-3 15B DI-3 16A			See schematic		1-8083-P East	High Temperature
		16 I+I D32	В	DI-3 16B DI-3 17A			for connection			Leak Detection In Auto
	DO-1	17 I+I 13 C		DI-3 17B DO-1 13A	1400E		details			Start
		13 NO	Α	DO-1 13B	7775					1
	DI-6	D61	3 300	DI-6 11A DI-6 11B	55.57 113.67				SAP Conveyor 1-8070-ME	Running
		D61	9333	DI-6 12A DI-6 12B					1-007 0-W.E.	Failed
	DI-5	D51	927	DI-5 7A					future mcc bucket	In Remote/Auto
		7 I+B D51	200	DI-5 7B DI-5 6A	146000 14600					E-Stop
	DI-6	6 I+B D61		DI-5 6B DI-6 13A						Loss of Motion
	DO-2	13 l+E C	58/6	DI-6 13B DO-2 9A						Zero Speed Switch Start
		9 NOA	157	DO-2 9B					<u> </u>	
	DI-6	D61	2575 3 107-0	DI-6 16A DI-6 16B			300 301		MgOH Pump #1 1-8108-VFD	Running
		D62	2020	DI-6 17A DI-6 17B	14.50		302 303			VFD Fault
	DI-1	D12	465%	DI-1 17A	32826		303			VFD In Auto
	DO-2	17 I+E	400	DI-1 17B DO-2 10A	1888		112			Auto Start
ŀ	LSA-2	10 NO/ R1	• 233 324	DO-2 108 wht			113 4	A		Command Speed Command
	AO-1	T1 SH25	78	blk			5	AO-1 1		
ŀ	LSA-1	R8	77.75	sh wht			18	Al-3		Speed Feedback
	Al-3	T8 \$H20	20/4 20/4	bik sh			19	8		
	DI-6	D62	6767.00	DI-6 18A	(8358n)		300	VI (18 1. 18 1. 18 1. 18 1. 18 1. 18 1. 18 1. 18 1. 18 1. 18 1. 18 1. 18 1. 18 1. 18 1. 18 1. 18 1. 18 1. 18 1	MgOH Pump #2	Duning
	ui-0	18 I+E	3	DI-6 18B			301		1-8109-VFD	Running
	<u></u>	D62	3	DI-6 19A DI-6 19B	1573 (A) 2573 (A) 2573 (A)		302 303			VFD Fault
Ţ	DI-1	D12 18 I+E	3	DI-1 18A DI-1 18B						VFD In Auto
	DO-2	C 11 NOA	\	DO-2 11A DO-2 11B			112 113			Auto Start Command
ſ	LSA-2 AO-1	R2 T2	\$750 7500	wht blk	77.5		<u>4</u> 5	AO-1		Speed Command
		SH25	87-456) 20-210 20-210	sh	70		5	2		
ſ	LSA-1 Al-3	R9 T9	152436 15364	wht bik	2122		18 19	Al-3		Speed Feedback
		SH21		sh	979		10	9		
		P	OS	SIBLE	DE	M	OD S	SIGN	IALS	
SSIBLE DEMODSI	IGNALS TB/CD		T	WIRE#	T	тв	TERM	SHIELD#	LOCATION	FUNCTION
	Al-1	9 I-A						Al-1	Wetwell #1 LIT	Level
		9 I+B SH5		<u> </u>	2443 8383			9	via Bubbler ILLWW1-OLD	
				.,						

SEPTAGE FACILITY

	Al-3	T9 SH21	755	IBLE I	DEM	10D (SIGN	ΙΔΙς	
SIELE DEMOD			733						FINOTON
LOCATION	Al-1	9 I-A 9 I+B SH5		WIRE#	Ti	3 TERM	SHIELD# Al-1 9	LOCATION Wetwell #1 LIT via Bubbler IŁLWW1-OLD	FUNCTION Level
	Al-1	10 I-A 10 I+B SH5					Al-1 10	Wetwell #2 LIT via Bubbler ILLWW2-OLD	Level
	Al-1	11 I-A 11 I+B SH6			797.74		Al-1 10	Wetwell Hydrocarbons via old MSA detector IHCWW	Value
	Al-1	15 I-A 15 I+B SH8					Al-1 15	Headworks Hydrocarbon via old MSA detector IHCHW	Value
			VE	NTILA	ATIC	N SY	STE	M	
ITILIZATION (SYS)	TB/CD DI-5	TERM D52 26 I+B		WIRE#	TI	3 TERM	SHIELD#	LOCATION Ventilation System 01-9015-M	FUNCTION Off/Alarm
	DI-5	D52 27 l+B						Ventilation System 01-9025-M	Off/Alarm

	INOLD							
Runn	Digester Blower #1 1-8141-VFD		302 303	TB-A	DI-6 26A DI-6 26B		D62 26 I+B	DI-6
VFD F	1-0141-015		304		DI-6 27A	1988	D62	
VFD In A			305 300		DI-6 27B DI-2 9A	1 -	27 I+B D21	DI-2
A 45 61			301		DI-2 9B		9 I+B	
Auto St Comma			112 113		DO-2 13A DO-2 13B	1	C 13 NOA	DO-2
Speed Comma		AO-1	4		wht		7 O+B	AO-1
		7	5		blk sh		7 O-A SH28	
Speed Feedba			18		wht		R11	LSA-1
		Al-3 11	19		blk	2000	T11	Al-3
1					sh	W-7.4	SH22	
Runn	Digester Blower #2 1-8142-VFD		302 303	TB-A	DI-6 28A DI-6 28B	37000	D62	DI-6
VFD Fa	1-0142-VFU		304	966 200	DI-6 29A	2600000 24002	28 I+B D62	
VFD in A			305 300		DI-6 29B DI-2 10A	1800000 1000000	29 I+B D21	DI-2
			301		DI-2 10B		10 I+B	
Auto St Comma			112 113		DO-2 14A DO-2 14B	20205 V 35570	C 14 NOA	DO-2
Speed Comma		AO-1	4		wht		8 O+B	AO-1
		8	5	<u> </u>	blk sh		8 O-A SH28	
Speed Feedba		Al-3	18		wht		R12	LSA-1
	,	12	19		blk sh		T12 SH22	Al-3
	<u> </u>				2:1	(0)(0)(1)		
Alarm St	SAP Gas Detection Alarm Panel and		<u>4</u> 5		DO-2 8A DO-2 8B		B NOA	DO-2
O2/Oxyg	Field Devices	Al-3	SIG 2		wht		R1	LSA-1
		1	GND 3		blk	377974	T1	Al-3
H2S/Hydrogen Suf		A1.0	SIG 2		sh wht	33,000	SH17 R2	
		Al-3 2	GND 3		blk		T2	
CH4/Methane L			SIG 2		sh wht	43.525 33.635	SH17 R3	
Of Phillethane L		AI-3 3	GND 3		bik	7/23	T3	
<u> </u>	<u> </u>				sh		SH18	
Troul	SAP Fire Alarm System		Rly A1		DI-5 31A	1907 p. 15 1807 p. 15	D52	DI-5
Ala	1-8167-FA		Rly A2 Rly B1		DI-5 31B DI-5 32A	766.97 9756.	31 I+B D52	
			Rly B2		DI-5 32B	9858	32 l+B	
Runn	Grease Pump Station			TB-D	DI-6 3A	(324A)		DI-6
Pump1/Pum Fai	1-8099/8100-P	jumper	1/3	4.540 3.77.2	DI-6 3B DI-6 4A	20175) 20175	3 I+B D61	
High Le		juniper	2/4 5	3.4	DI-6 4B DI-6 5A	7755 4377	4 I+B D61	
1,19,720			6		DI-6 5B	255	5 I+B	
Low Temperate	SAP Water Heater	TX71-2.3355565	С		DI-6 10A	XXXX	D61	DI-6
Ala	1-8136-HW		NO		DI-6 10B		10 l+B	
Flow Swi	Eyewash-MgOH Tank		С		DI-6 14A	32000	D61	DI-6
Ala			NC		DI-6 14B	100000	14 I+B	
Runn	MgOH Tank Mixer 1-8168-MX		C NO	-	DI-2 23A DI-2 23B	1989) 1988	D22 23 I+B	DI-2
Leak Ala	MgOH Tank 1-8104-LD		C NO		DI-6 15A DI-6 15B		D61 15 I+B	DI-6
Tank Le		Al-3	red		wht	1,275	R4	LSA-1
	1-8103-L	4	blk		blk sh	3347	T4 SH18	Al-3
Level Transmit	Digester Tank 1-8086-L	Al-3	25		wht	75000 18000	R5	LSA-1
	1-8086-L	5	24	=	b!k sh	1000	T5 SH19	Al-3
1	1-8089-M	Al-3	1+		wht	10.10	R7	
рН Ме					blk	1000	T7 \$H20	
pH Me		7	1-		eh			
pH Me	1-8088-M	7	1- 2+		sh wht	3.790 S.790	R6	
					wht blk		R6 T6	
		7 Al-3	2+		wht		R6	.,
DO Me	1-8088-M Septage Tank	7 Al-3 6	2+ 2- 25		wht blk sh wht		R6 T6 SH19 R15	
DO Me	1-S088-M	7 Al-3	2+ 2-		wht blk sh wht blk		R6 T6 SH19 R15 T15	LSA-1 Al-3
DO Me	1-8088-M Septage Tank	7 Al-3 6 Al-3 15	2+ 2- 25		wht blk sh wht		R6 T6 SH19 R15	
DO Me	1-8088-M Septage Tank 1-8097-L	7 Al-3 6	2+ 2- 25 24		wht blk sh wht blk sh wht blk sh wht blk		R6 T6 SH19 R15 T15 SH24 R16 T16	
DO Me	1-8088-M Septage Tank 1-8097-L	7 Al-3 6 Al-3 15	2+ 2- 25 24 27		wht blk sh wht blk sh wht wht		R6 T6 SH19 R15 T15 SH24 R16	
DO Me	1-8088-M Septage Tank 1-8097-L 1-8098-L Digester Outlet Valve	7 Al-3 6 Al-3 15	2+ 2- 25 24 27 28		wht blk sh wht blk sh wht blk sh blk sh		R6 T6 SH19 R15 T15 SH24 R16 T16 SH24	
DO Me Le Tan Lev Tan	1-8088-M Septage Tank 1-8097-L 1-8098-L	7 Al-3 6 Al-3 15	2+ 2- 25 24 27 28 48 49 50		wht blk sh wht blk sh wht blk sh Dl-3 1A Dl-3 1B Dl-3 2A		R6 T6 SH19 R15 T15 SH24 R16 T16 SH24 D31 1 I+B	Al-3
DO Me Le Tan Lev Tan Opened Positi	1-8088-M Septage Tank 1-8097-L 1-8098-L Digester Outlet Valve	7 Al-3 6 Al-3 15	2+ 2- 25 24 27 28 48 49 50 51 52		wht blk sh wht blk sh DI-3 1A DI-3 1B DI-3 2B DI-3 3A		R6 T6 SH19 R15 T15 SH24 R16 T16 SH24 D31 1 I+B	De Landel Plantes de Landel
DO Me Le Tan Lev Tan Opened Posit Closed Posit	1-8088-M Septage Tank 1-8097-L 1-8098-L Digester Outlet Valve	7 Al-3 6 Al-3 15	2+ 2- 25 24 27 28 48 49 50 51 52 53		wht blk sh wht blk sh wht blk sh DI-3 1A DI-3 1B DI-3 2A DI-3 3A DI-3 3B		R6 T6 SH19 R15 T15 SH24 R16 T16 SH24 D31 1 I+B D31 2 I+B D31 3 I+B	Al-3
DO Me Le Tan Lev Tan Opened Positi Closed Positi In Remo	1-8088-M Septage Tank 1-8097-L 1-8098-L Digester Outlet Valve	7 Al-3 6 Al-3 15 Al-3 16	2+ 2- 25 24 27 28 48 49 50 51 52 53 22 25		wht blk sh wht blk sh wht blk sh DI-3 1A DI-3 2A DI-3 2A DI-3 3A DI-3 3A DI-3 3B DO-1 8B		R6 T6 SH19 R15 T15 SH24 R16 T16 SH24 D31 1 I+B D31 2 I+B D31 3 I+B C 8 NOA	Al-3
DO Me Le Tan Lev Tan Opened Posit Closed Posit	1-8088-M Septage Tank 1-8097-L 1-8098-L Digester Outlet Valve	7 Al-3 6 Al-3 15 Al-3 16	2+ 2- 25 24 27 28 48 49 50 51 52 53 22		wht blk sh wht blk sh wht blk sh DI-3 1A DI-3 1B DI-3 2A DI-3 2B DI-3 3B DO-1 8A		R6 T6 SH19 R15 T15 SH24 R16 T16 SH24 D31 1 I+B D31 2 I+B D31 3 I+B 8 C	Al-3
DO Me Le Tan Lev Tan Opened Positi Closed Positi In Remo	1-8088-M Septage Tank 1-8097-L 1-8098-L Digester Outlet Valve 1-8081-PV	7 Al-3 6 Al-3 15 Al-3 16	2+ 2- 25 24 27 28 48 49 50 51 52 53 22 25 22		wht blk sh wht blk sh DI-3 1A DI-3 2B DI-3 3A DI-3 3B DO-1 8B DO-1 9A		R6 T6 SH19 R15 T15 SH24 R16 T16 SH24 D31 1 I+B D31 2 I+B D31 3 I+B 8 C 8 NOA 9 C	Al-3
DO Me Le Tan Lev Tan Opened Positi In Remo Open Comma Close Comma	1-8088-M Septage Tank 1-8097-L 1-8098-L Digester Outlet Valve	7 Al-3 6 Al-3 15 Al-3 16	2+ 2- 25 24 27 28 48 49 50 51 52 53 22 25 22 27 48 49		wht blk sh wht blk sh wht blk sh DI-3 1A DI-3 2A DI-3 2B DI-3 3A DI-3 3B DO-1 8B DO-1 8B DO-1 9B DI-3 4A DI-3 4B DI-3 4B		R6 T6 SH19 R15 T15 SH24 R16 T16 SH24 D31 1 I+B D31 2 I+B D31 3 I+B C 8 NOA 9 C 9 NOA D31 4 I+B	DI-3
DO Me Le Tan Lev Tan Opened Positi Closed Positi In Remo	1-8088-M Septage Tank 1-8097-L 1-8098-L Digester Outlet Valve 1-8081-PV	7 Al-3 6 Al-3 15 Al-3 16	2+ 2- 25 24 27 28 48 49 50 51 52 53 22 25 22 27		wht blk sh wht blk sh wht blk sh DI-3 1A DI-3 1B DI-3 2A DI-3 3A DI-3 3B DO-1 8A DO-1 8B DO-1 9B DI-3 4A		R6 T6 SH19 R15 T15 SH24 R16 T16 SH24 D31 1 I+B D31 2 I+B D31 3 I+B 0 SH2 B C S NOA 9 C 9 NOA D31	DI-3
DO Me Le Tan Lev Tan Opened Positi In Remo Open Comma Close Comma	1-8088-M Septage Tank 1-8097-L 1-8098-L Digester Outlet Valve 1-8081-PV	7 Al-3 6 Al-3 15 Al-3 16	2+ 2- 2- 25 24 27 28 48 49 50 51 52 22 25 22 27 48 49 50 51		wht blk sh wht blk sh wht blk sh DI-3 1A DI-3 1B DI-3 2A DI-3 2B DI-3 3A DI-3 3A DI-3 3B DO-1 8B DO-1 9B DO-1 9B DI-3 4A DI-3 4B DI-3 5A DI-3 5B DI-3 5A DI-3 5B		R6 T6 SH19 R15 T15 SH24 R16 T16 SH24 D31 1 I+B D31 2 I+B D31 3 I+B D31 3 I+B D31 4 I+B D31 5 I+B D31	DI-3
DO Me Le Tan Lev Tan Opened Positi In Remo Open Comma Close Comma Close Comma Closed Positi	1-8088-M Septage Tank 1-8097-L 1-8098-L Digester Outlet Valve 1-8081-PV SAP Septage Outlet	7 Al-3 6 Al-3 15 Al-3 16	2+ 2- 25 24 27 28 48 49 50 51 52 22 25 22 27 48 49 50 51		wht blk sh wht blk sh wht blk sh wht blk sh DI-3 1A DI-3 1B DI-3 2A DI-3 3A DI-3 3B DO-1 8A DO-1 8B DO-1 9A DO-1 9B DI-3 4A DI-3 4B DI-3 5A DI-3 5B		R6 T6 SH19 R15 T15 SH24 R16 T16 SH24 D31 1 I+B D31 2 I+B D31 3 I+B 0 SH24 B NOA 9 C 9 NOA D31 4 I+B D31 5 I+B	DI-3

SEPTAGE FACILITY (CONTINUED)



SCREWPACTOR

AS-BUILT ATTACHMENT

EXHIBIT - G

LITTLE PATUXENT WRF
SEPTAGE FACILITY -AS-BUILT
EXHIBIT - G

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