

SAN ANTONIO WATER SYSTEM Dos Rios Water Recycling Center (DRWRC) Digester Mixing and System Enhancements, Phase II SAWS Job No. 11-6502 Solicitation No. B-12-053-MF

ADDENDUM NO. 4

To Bidder of Record:

This addendum, applicable to the project referenced above, is an amendment to the bidding documents and as such will be a part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the addendum number in the space provided in the bid proposal.

Revisions to Contract/Technical Specifications:

- 1. Specification Section 13225 Digester Gas Equipment
 - a. Article 3.2 A.1.a
 - i. Replace "Prior to placing reused existing digester gas flares for temporary installation in operation, the contractor shall arrange for original equipment manufacturer to inspect temporary installation and to test and adjust equipment and verify that reused equipment is in acceptable working condition."

with

"Prior to placing reused existing digester gas flares for temporary installation in operation, the contractor shall arrange for the equipment manufacturer to inspect temporary installation and to test and adjust equipment and verify that reused equipment is in acceptable working condition."

Revisions to Drawings:

- 1. Drawing No. 00I201
 - a. For modifications to this drawing, refer to attached Exhibit 00I201-A.
- 2. Drawing No. 01E101
 - a. For modifications to this drawing, refer to attached Exhibit 01E101-A.
- 3. Drawing No. 01E102
 - a. Add Section I to this drawing, refer to attached Exhibit 01E102-A.
- 4. Drawing No. 03E102
 - a. For modifications to this drawing, refer to attached Exhibit 03E102-A.
- 5. Drawing No. 03E103
 - a. For modifications to this drawing, refer to attached Exhibit 03E103-A.
- 6. Drawing No. 03E107

a. For modifications to this drawing, refer to attached Exhibit 03E107-A.7. Drawing No. 03E108

a. For modifications to this drawing, refer to attached Exhibit 03E108-A.8. Drawing No. 03E109

a. For modifications to this drawing, refer to attached Exhibit 03E109-A.9. Drawing No. 03E109

a. For modifications to this drawing, refer to attached Exhibit 03E109-B. 10. Drawing No. 03E111

a. For modifications to this drawing, refer to attached Exhibit 03E111-A. 11. Drawing No. 03E112

a. For modifications to this drawing, refer to attached Exhibit 03E112-A. 12. Drawing No. 03E112

a. For modifications to this drawing, refer to attached Exhibit 03E112-B. 13. Drawing No. 03E302

a. For modifications to this drawing, refer to attached Exhibit 03E302-A. 14. Drawing No. 03E304

a. For modifications to this drawing, refer to attached Exhibit 03E304-A. 15. Drawing No. 03E305

a. For modifications to this drawing, refer to attached Exhibit 03E305-A. 16. Drawing No. 03E306

a. For modifications to this drawing, refer to attached Exhibit 03E306-A. 17. Drawing No. 03E311

a. For modifications to this drawing, refer to attached Exhibit 03E311-A. 18. Drawing No. 03I306

a. For modifications to this drawing, refer to attached Exhibit 03I306-A. 19. Drawing No. 04I301

a. For modifications to this drawing, refer to attached Exhibit 04I301-A.20. Drawing No. 03S103

a. For modifications to this drawing, refer to attached Exhibit 03S103-A. 21. Drawing No. 03M202

a. For modifications to this drawing, refer to attached Exhibit 03M202-A.22. Drawing No. 03M202

a. For modifications to this drawing, refer to attached Exhibit 03M202-B.23. Drawing No. 03M203

a. For modifications to this drawing, refer to attached Exhibit 03M203-A. 24. Drawing No. 03M203

a. For modifications to this drawing, refer to attached Exhibit 03M203-B.25. Drawing No. 03M204

a. For modifications to this drawing, refer to attached Exhibit 03M204-A. 26. Drawing No. 04S101

a. Add photo to this drawing, refer to attached Exhibit 04S101-A.

27. Drawing No. 04M301

a. Add Section to this drawing, refer to attached Exhibit 04M301-A.

This addendum consists of three (3) pages and twenty eight (27) attached exhibits. The remainder of the bid documents remains unchanged.



Greg T. Swoboda, P.E. Project Manager HDR Engineering, Inc. Texas Firm Registration No. F-754

ACKNOWLEDGEMENT BY BIDDER

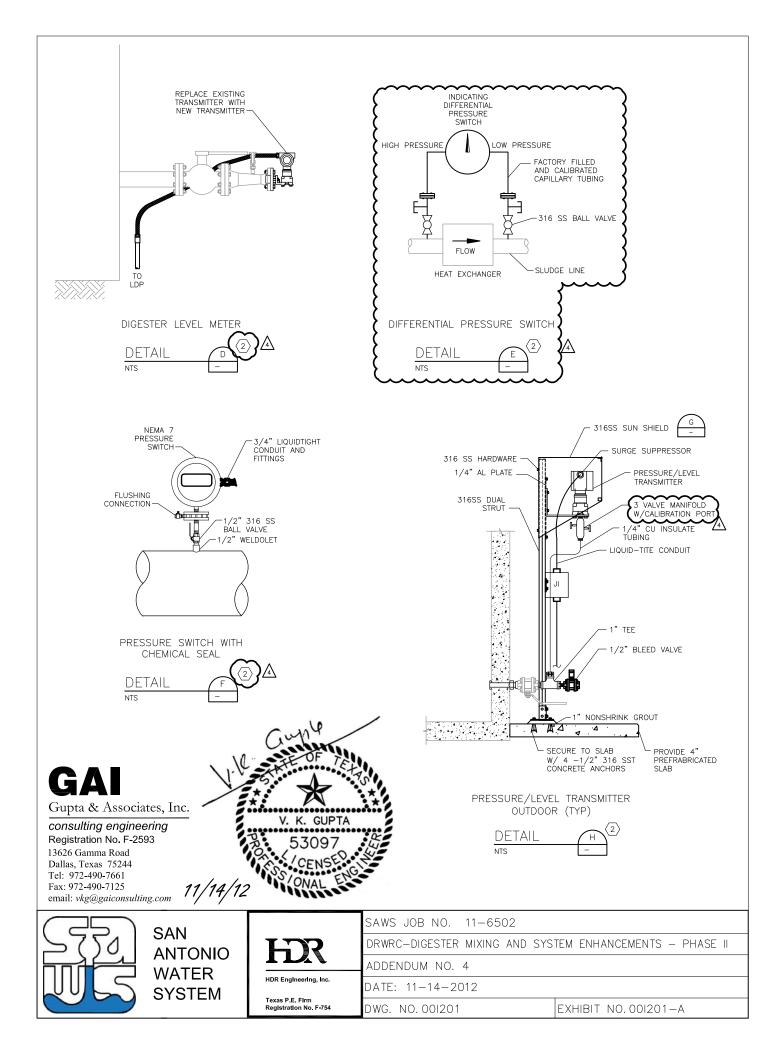
Each bidder is required to acknowledge receipt of this Addendum No. 4 on the Bid Proposal and by his/her signature affixed hereto and file same as an attachment to his/her bid.

The undersigned acknowledges receipt of this Addendum No. 4 and the bid submitted herewith is in accordance with the information and stipulation set forth.

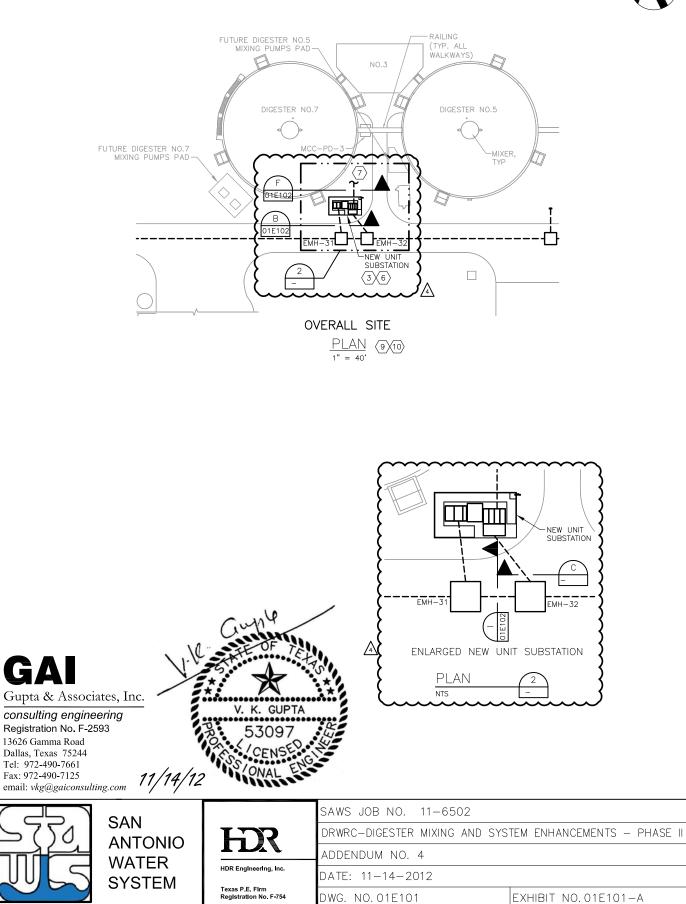
Signature of Bidder

Date

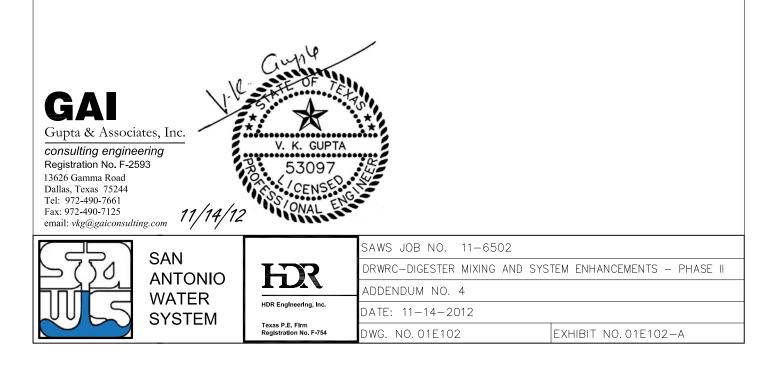
END OF ADDENDUM

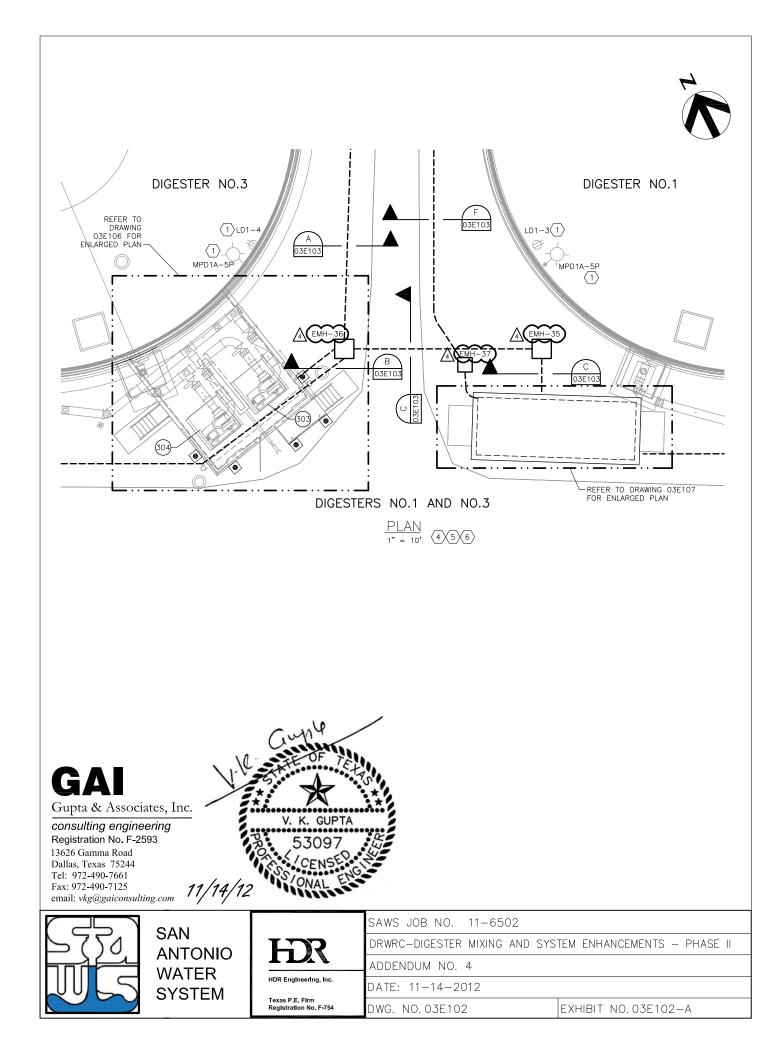


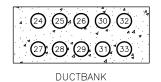


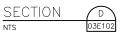


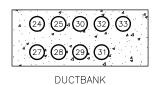
DUCTBANK								
\sim	SECTION I NTS DIE101							
{	TABLE FOR	SECTION I						
CONDUIT	CONDUIT TAG	DESCRIPTION						
21	2"C FOC1, FOC2	ЕМН-31 ТО ЕМН-33						
22	2"C SPARE	EMH-31 TO EMH-33						







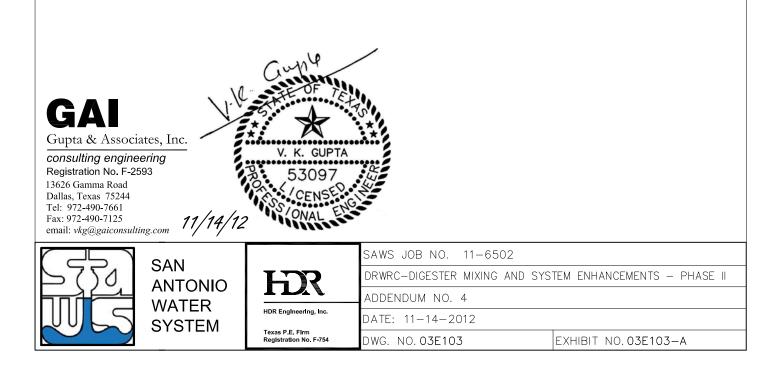




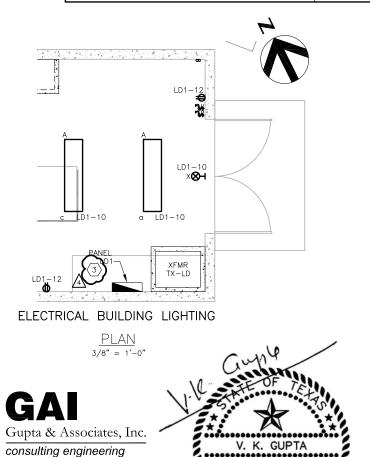
SECTION	E
NTS	03E102

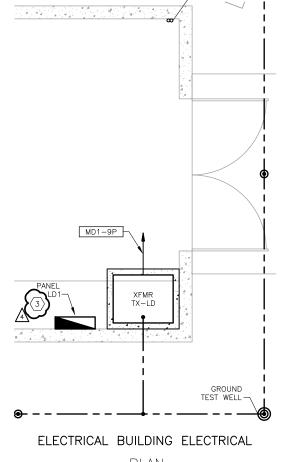
	TABLE FOR SECTION D					
CONDUIT NO.	CONDUIT TAG	DESCRIPTION				
24	MPD1-6P	MIXING PUMP TO MCC-PD-1				
25	MPD1-7P	MIXING PUMP TO MCC-PD-1				
26	MPD1-11P	RECEPTACLE TO MCC-PD-1				
27	SPARE	2"C SPARE				
28	MPD1-6C	MIXING PUMP TO MCC-PD-1				
29	MPD1-7C	MIXING PUMP TO MCC-PD-1				
30	PL-110	PLC TO FLOW METER				
31	LD1-17	PANEL LD1 TO FLOW METER				
32	SPARE	2"C SPARE				
33	SPARE	2"C SPARE				

	TABLE FOR SECTION E					
CONDUIT NO.	CONDUIT TAG	DESCRIPTION				
24	MPD1-6P	MIXING PUMP TO MCC-PD-1				
25	MPD1-7P	MIXING PUMP TO MCC-PD-1				
27	SPARE	2"C SPARE				
28	MPD1-6C	MIXING PUMP TO MCC-PD-1				
29	MPD1-7C	MIXING PUMP TO MCC-PD-1				
30	PL-110	PLC TO FLOW METER				
31	LD1-17	LD1 TO FLOW METER				
32	SPARE	2"C SPARE				
33	SPARE	2"C SPARE				

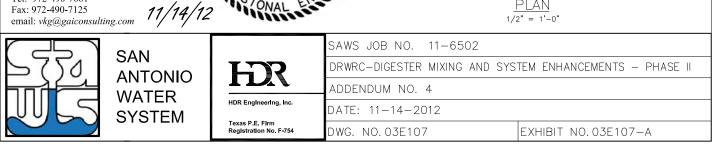


PAN	ANELBOARD: LD1 BUS: TINNED		ED COPPER	MAINS: 125A					
SEF	RVICE:	120/2	08V, 3Ø, 4W	RATING: 20	0A LOCATION: ELECTRICAL BUILDING DIGESTER		R 1&3.		
MO	UNTING	: SURI	FACE — NEMA 12	FEED: TOP					
скт #	BRKR SIZE	WIRE SIZE	LOAD			LOAD	WIRE SIZE	BRKR SIZE	скт #
1	20/1	10	DIGESTER NO.1 ROOF LIGHTS		DIGESTER NO	D.3 ROOF LIGHTS	10	20/1	2
3	20/1	10	DIGESTER NO.1 ROOF RECEPT	ACLES	DIGESTER NO	D.3 ROOF RECEPTACLES	10	20/1	4
5	20/1	12	DIGESTER NO.1&3 PUMP STAT	ION RECP.	DIGESTER NO	0.1 RECIRCULATION FIT	12	20/1	6
7	20/1	12	DIGESTER NO.1&3 PUMP STAT	ION LIGHTS	DIGESTER NO	0.3 RECIRCULATION FIT	12	20/1	8
9	20/1	12	DIGESTER NO.1&3 LOCAL DISF	DIGESTER NO.1&3 LOCAL DISPLAY PANEL		BUILDING LIGHTS	12	20/1	10
11	20/1	12	DIGESTER NO.1&3 LOCAL DISPLAY PANEL		ELECTRICAL	BUILDING RECEPTACLES	12	20/1	12
13	20/1	12	DIGESTER NO.1&3 PUMP STATION RECPT.		PLC-DIGEST	ER NO.1&3	12	20/1	14
15	10/1	10	DIGESTER NO.1 GAS FLOW TRANSMITTER		PLC-DIGESTER NO.1&3		12	20/1	16
17	20/1	12	IGESTER NO.1 MIXING FLOW TRANSMITTER		A/C UNIT-2		6	40/2	18
19	20/1	12	DIGESTER NO.3 MIXING FLOW	TRANSMITTER		0	40/2	20	
21	30/2	10	A/C UNIT-1				12	20/1	22
23	50/2	10			SPARE		12	20/1	24
25	20/1	12	SPARE		DIGESTER NO	D.3 GAS FLOW TRANSMITTER	12	20/1	26
27	20/1	12	SPARE		SPARE		12	20/1	28
29	20/1	12	SPARE		SPARE		12	20/1	30
31	20/1	12	SPARE		SPARE		12	20/1	32
33	20/1	12	SPARE		SPARE		12	20/1	34
35	20/1	12	SPARE		SPARE		12	20/1	36





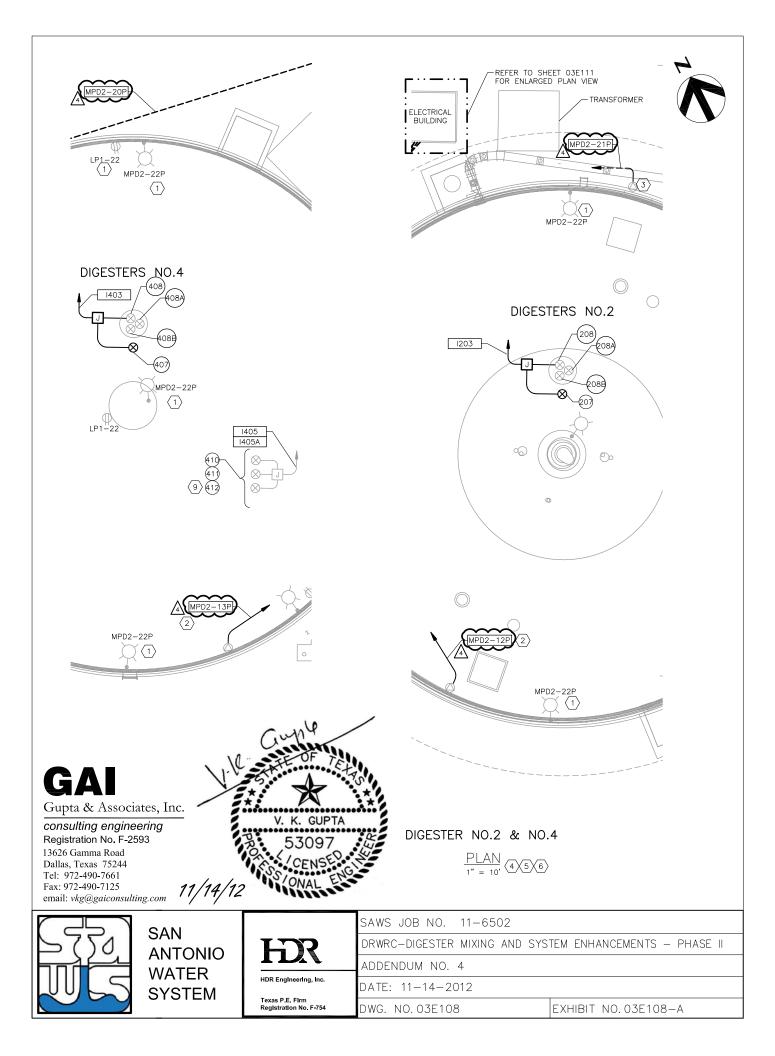
PLAN 1/2" = 1'-0"

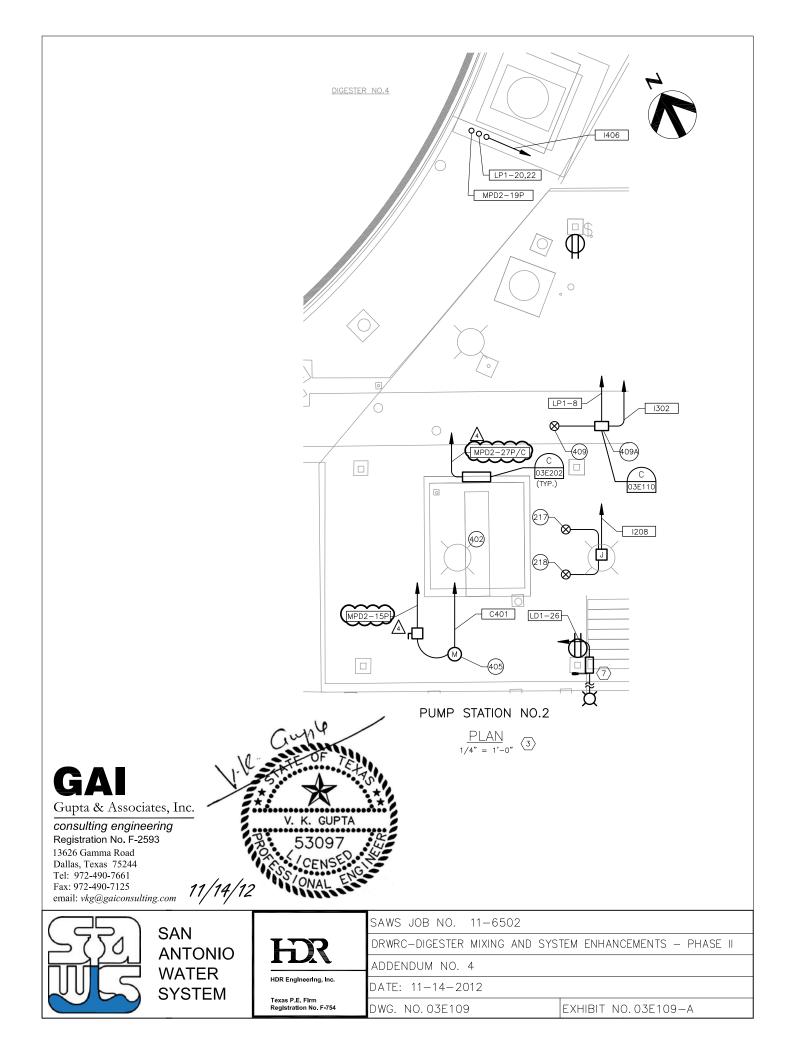


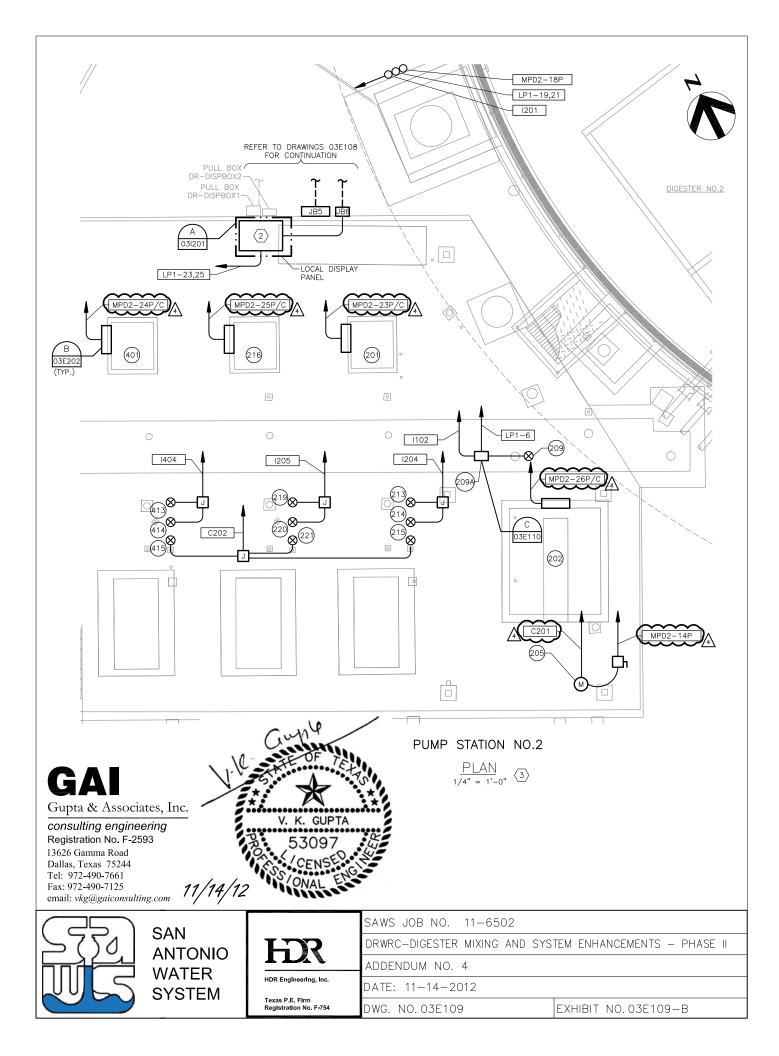
Registration No. F-2593 13626 Gamma Road Dallas, Texas 75244

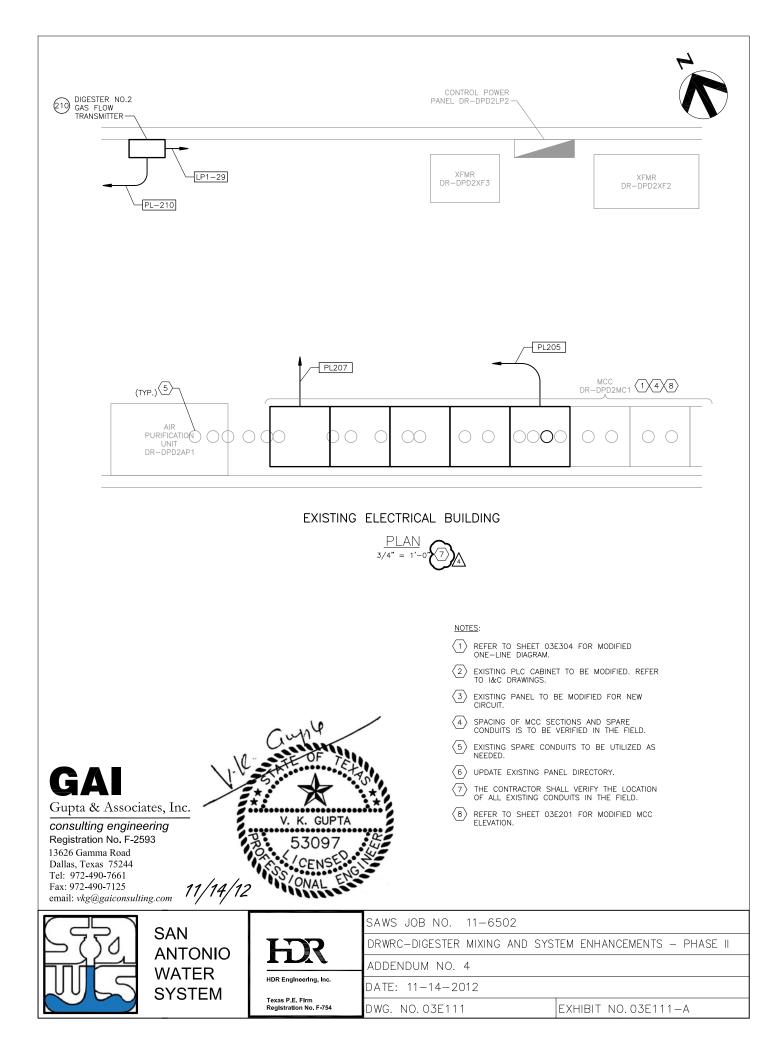
Tel: 972-490-7661

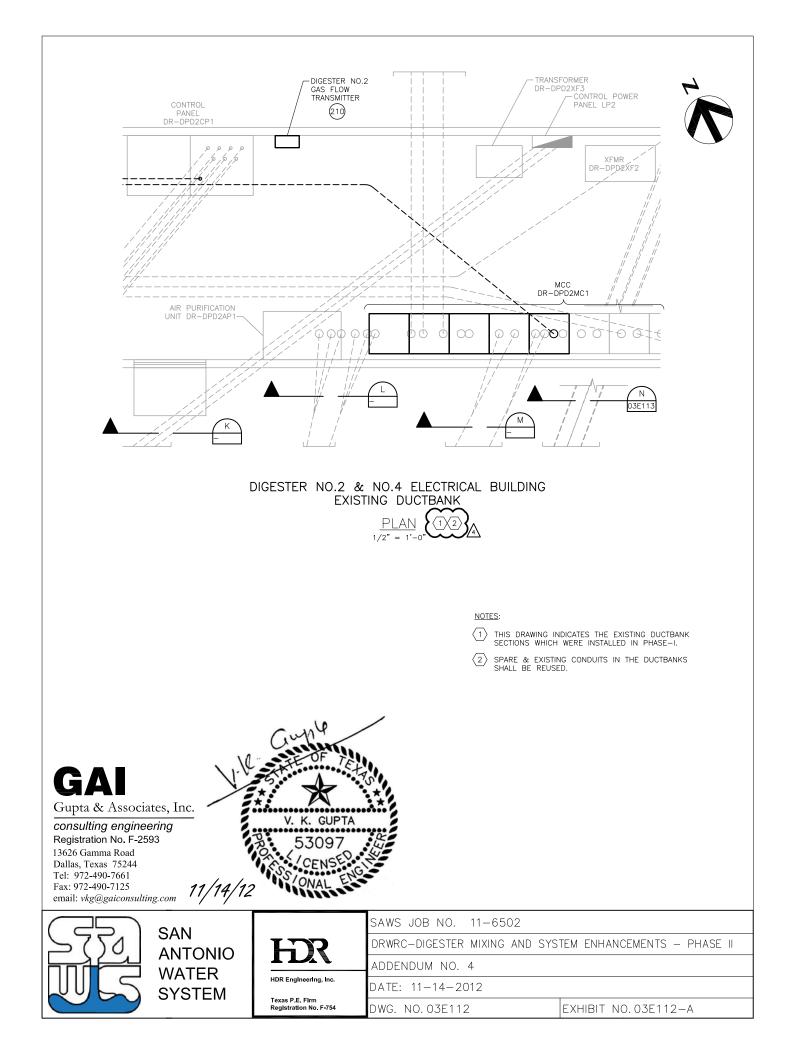
Fax: 972-490-7125

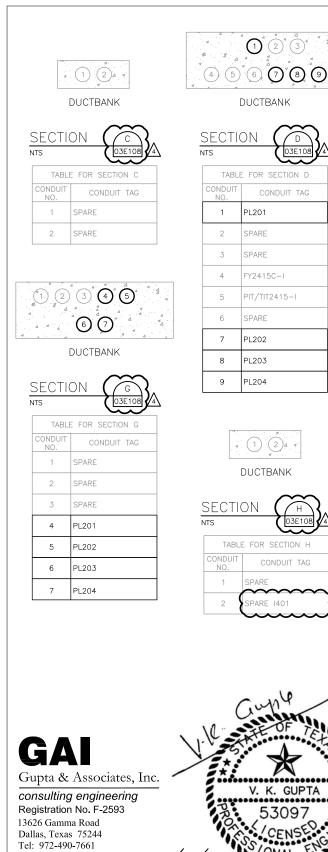


















SECTION NTS TABLE FOR SECTION J CONDUIT NC PARE 1201 2



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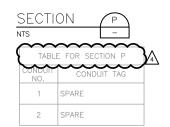
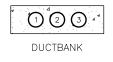
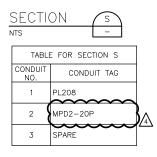
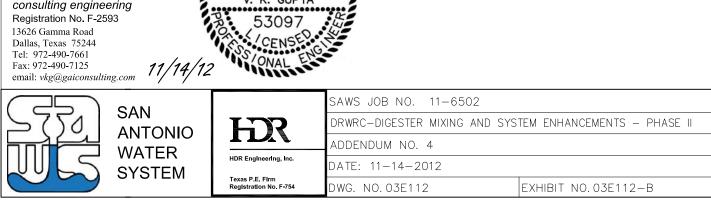


TABLE FOR SECTION F CONDUIT TAG SPARE 1 SPARE 2 3 PL201 4 SPARE 5 SPARE 6 FY2415C-I 7 PIT/TIT2415-I 8 SPARE 9 PL202 10 PL203 11 PL204





2.\1925C_SAWS Dos Rios Digesters\Construction Phase\Addenda\Addendum No.4\03E112.dwg, 11/16/2012 8:40:35 AM, Adobe PDF, JH



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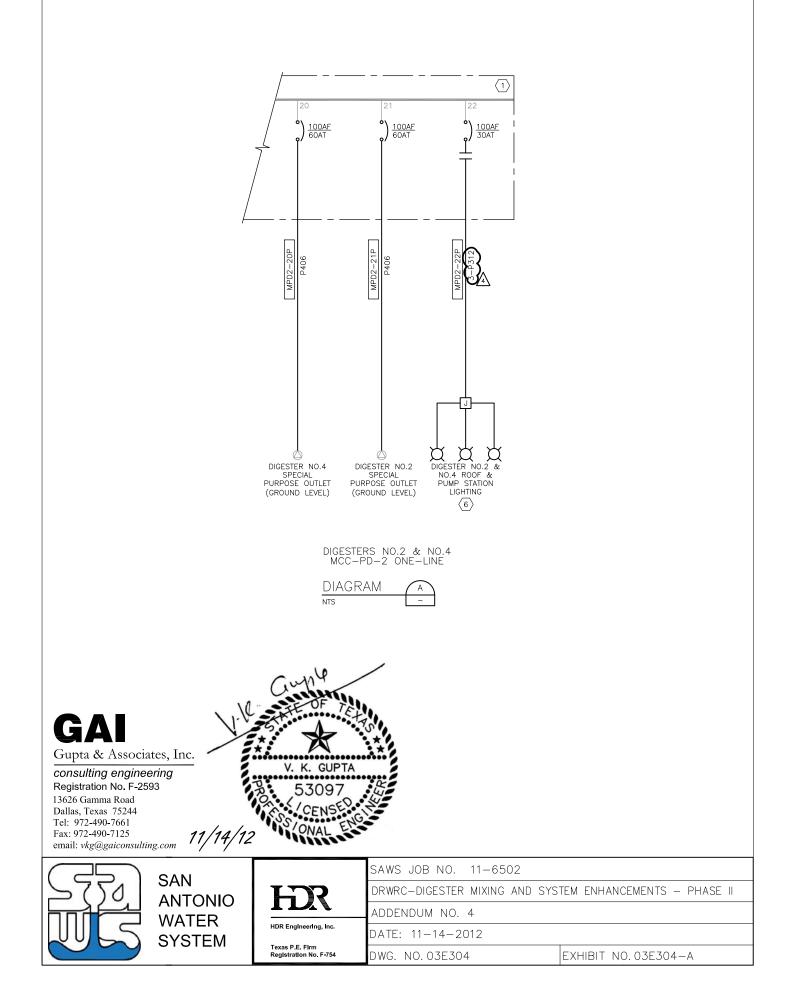
TAG NO.	DIGESTER NO.1 EQUIPMENT	EQUIPMENT TAG	
(101)	RECIRCULATION PUMP NO.1	DR-8-RE-PMP-11	
(102)	DIGESTER NO.1 TRANSFER PUMP	DR-8-XF-PMP-11	
(103)	DIGESTER NO.1 MIXING PUMP NO.1	DR-8-MX-PMP-11	
(104)	DIGESTER NO.1 MIXING PUMP NO.2	DR-8-MX-PMP-12	
(105)	DIGESTER NO.1 INFLUENT VALVE	DR-8-IN-VLV-11	
106	DIGESTER NO.1 LEVEL INSTRUMENT	LIT-W010	
(107)	DIGESTER NO.1 PRESSURE INSTRUMENT	PIT-W010A	
108	DIGESTER NO.1 UPPER – TEMPERATURE INSTRUMENT	TE/TIT-W010A)
108A	DIGESTER NO.1 MIDDLE – TEMPERATURE INSTRUMENT	TE/TIT-W010B	X
(08B)	DIGESTER NO.1 LOWER – TEMPERATURE INSTRUMENT	TE/TIT-W010	
(109)	DIGESTER NO.1 RECIRCULATED	FE/FIT-W036	1
(110)	DIGESTER NO.1 GAS FLOW INSTRUMENT	FE/FIT-W401	
(111)	DIGESTER NO.1 GAS TEMPERATURE INSTRUMENT	TE/TIT-W401	
(112)	DIGESTER NO.1 GAS PRESSURE INSTRUMENT	PIT-W401	
(113)	HEAT EXCHANGER NO.1 – INLET TEMPERATURE INSTRUMENT	TE/TIT-W030	
(114)	HEAT EXCHANGER NO.1 – OUTLET TEMPERATURE INSTRUMENT	TE/TIT-W031	
(115)	HEAT EXCHANGER NO.1 – DIFFERENTIAL PRESSURE SWITCH	PDS-W029	
(116)	SLUDGE RECIRCULATION PUMP NO.9	DR-8-SL-PMP-1	
(117)	DIGESTER 1 AND 3 COMMON HEADER GAS PRESSURE INSTRUMENT	PIT-W440	
(118)	DIGESTER 1 AND 3 COMMON HEADER GAS TEMPERATURE INSTRUMENT	TE/TIT-W440	
(119)	HEAT EXCHANGER NO.9 INLET TEMPERATURE	TE/TIT-W050	
(120)	HEAT EXCHANGER NO.9 OUTLET TEMPERATURE	TE/TIT-W051	
(121)	HEAT EXCHANGER NO.9 DIFFERENTIAL PRESSURE SWITCH	PDS-W049	
(123)	DIGESTER NO.1 MIXING PUMP FLOW INSTRUMENT	FE/FIT-110	



Consulting engineering Registration No. F-2593 13626 Gamma Road Dallas, Texas 75244 Tel: 972-490-7661 Fax: 972-490-7125 email: vkg@gaiconsulting.com



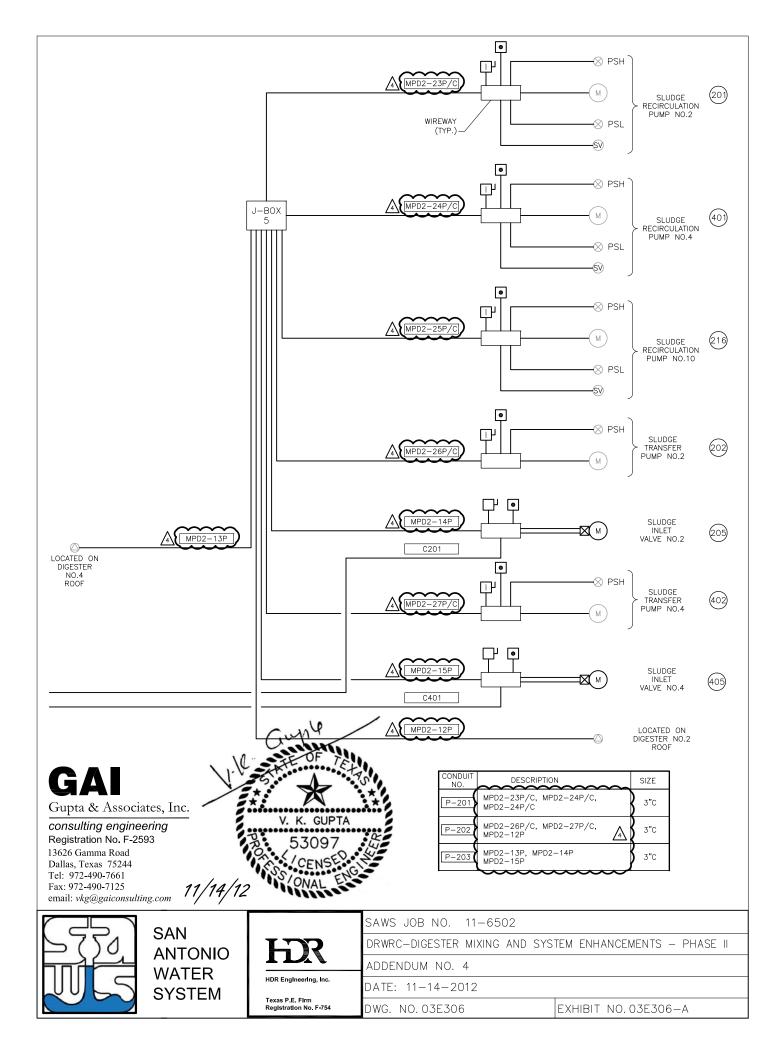
5770	SAN		SAWS JOB NO. 11-6502
	ANTONIO	L73	DRWRC-DIGESTER MIXING AND SYSTEM ENHANCEMENTS - PHASE II
	WATER		ADDENDUM NO. 4
	SYSTEM		DATE: 11-14-2012
		Texas P.E. Firm Registration No. F-754	DWG. NO. 03E302 EXHIBIT NO. 03E302-A

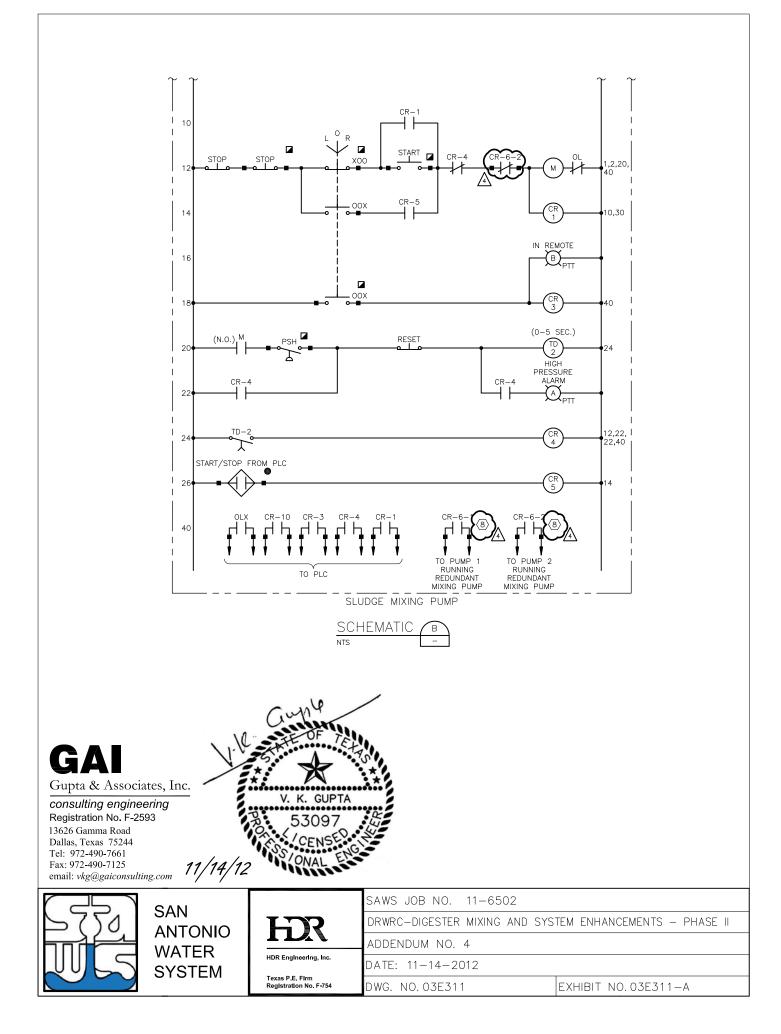


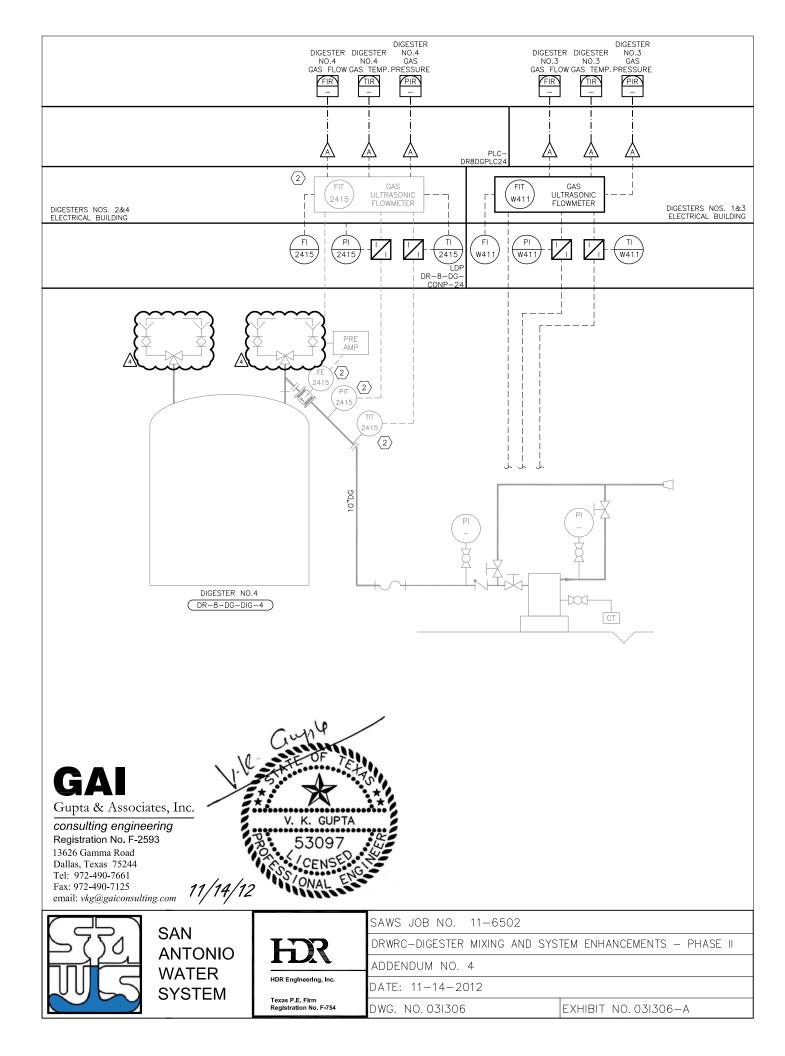
	P-105	LD1-1,3,5, LD1-2, LD1-7,9,11	,4,6,8,	2"C				
	P-106	SPARE		2"C				
]				
		\sim	•					
		MPD1-8P	4	\longrightarrow				
		LD1-1,3			LOCATED ON DIGESTER NO.1 ROOF			
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GAI			7 5, 1	25				
Gupta & Ass	ociates,	Inc.						
consulting eng	gineering		V. K. GUF	TA				
Registration No. 13626 Gamma Roa		3	5309	7				
Dallas, Texas 752	44	1	CENS	EV A				
Tel: 972-490-766 Fax: 972-490-712:	5	" 11/14/12	ONAL	EN				
email: vkg@gaico	nsulting.com	n ''/''/'~						_
		۹N		SAWS	JOB NO. 11-6	502		
()0			HR	DRWRC	-DIGESTER MIXIN	G AND SYS	TEM ENHANCEMENTS – PHASE II	
		ATER		ADDEN	DUM NO. 4			
		YSTEM	HDR Engineering, Inc.	DATE:	11-14-2012			
			Texas P E. Firm Registration No. F-754	DWG. N			EXHIBIT NO. 03E305-A	

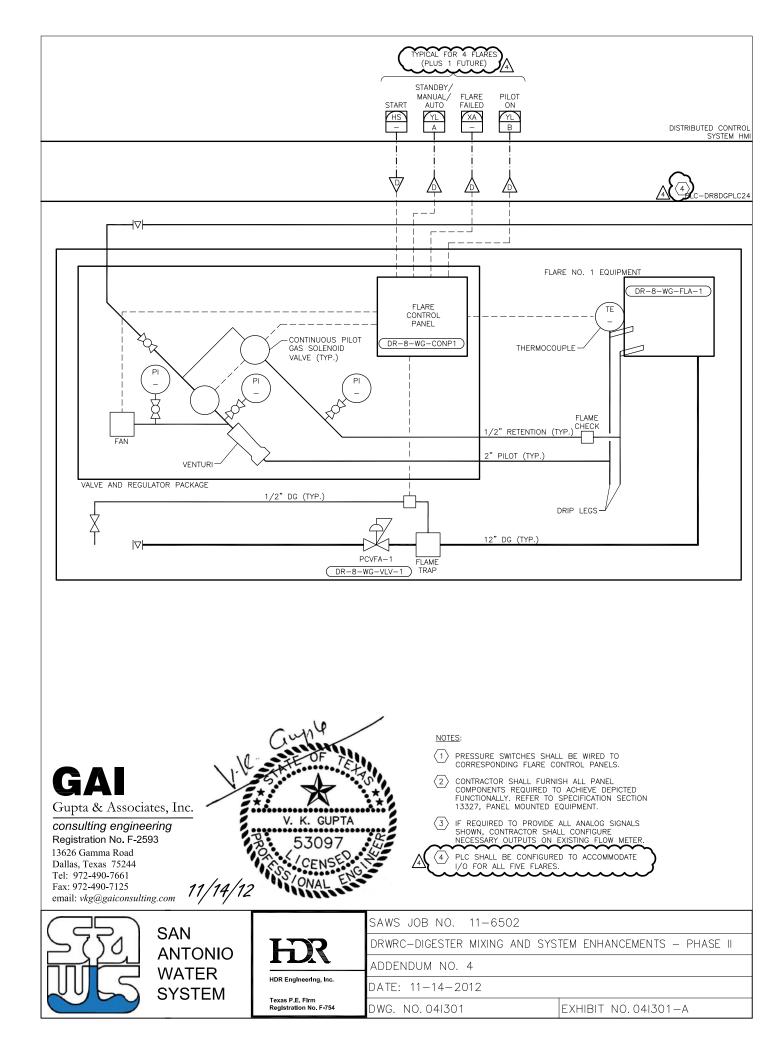
CONDUIT NO.	DESCRIPTION	SIZE
P-101	MPD1-3P/C, MPD1-4P/C, MPD1-5P/C	3"C
P-102	MPD1-10P, MPD1-8P	3"с
P-103	MPD1A-3P, MPD1A-4P/C MPD1A-8P	3"с
P-104	SPARE	2"C
P-105	LD1-1,3,5, LD1-2,4,6,8, LD1-7,9,11	2"C
P-106	SPARE	2"C

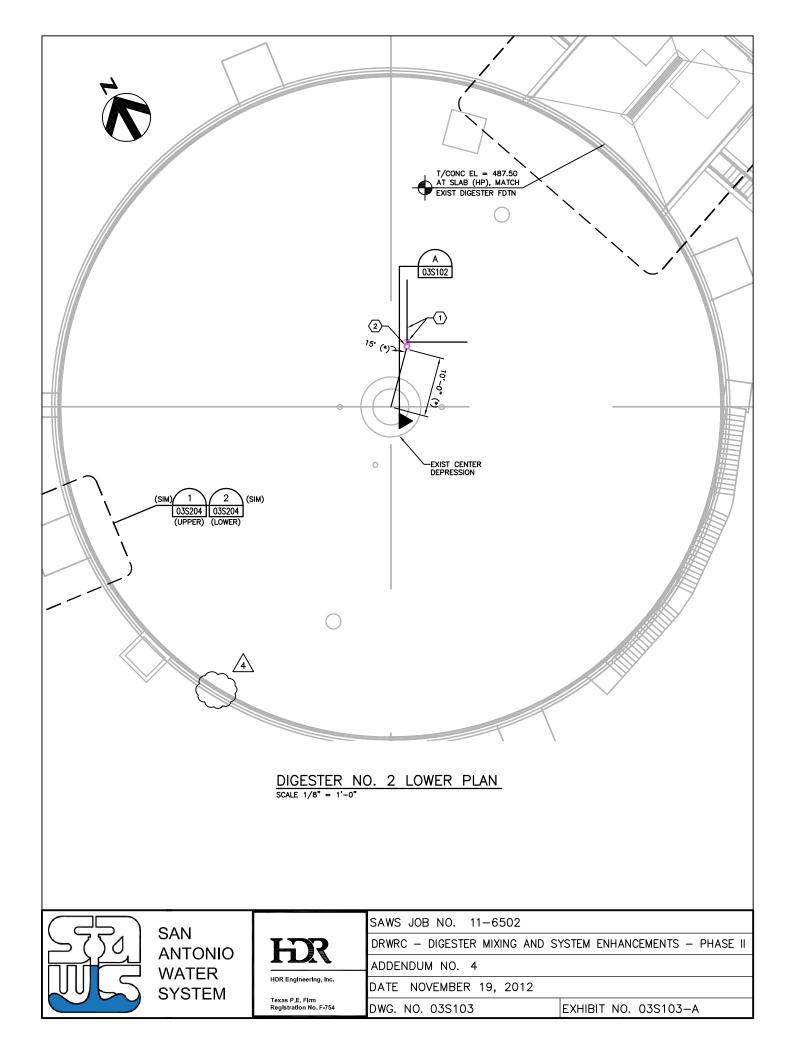
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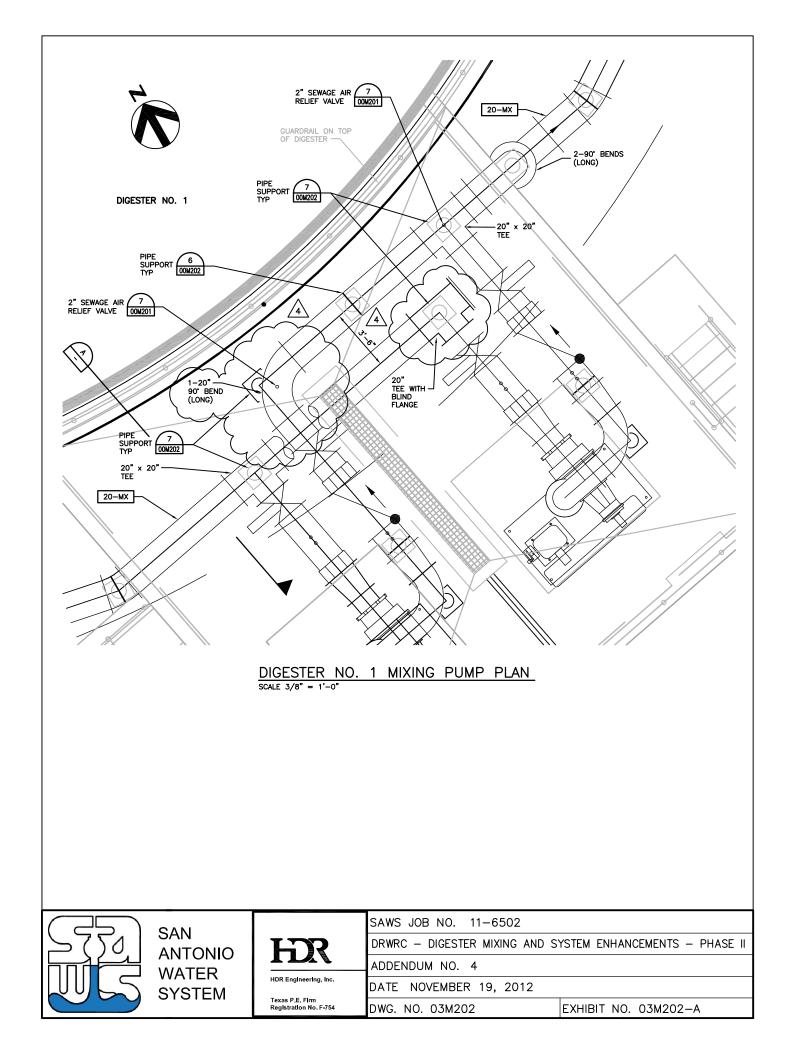












SAN		SAWS JOB NO. 11-6502			
ANTONIO	HR	DRWRC - DIGESTER MIXING AND SYSTEM ENHANCEMENTS - PHASE II			
		ADDENDUM NO. 4			
SYSTEM	HDR Engineering, Inc.	DATE NOVEMBER 19, 2012			
	Texas P.E. Firm Registration No. F-754	DWG. NO. 03M202	EXHIBIT NO. 03M202-B		



