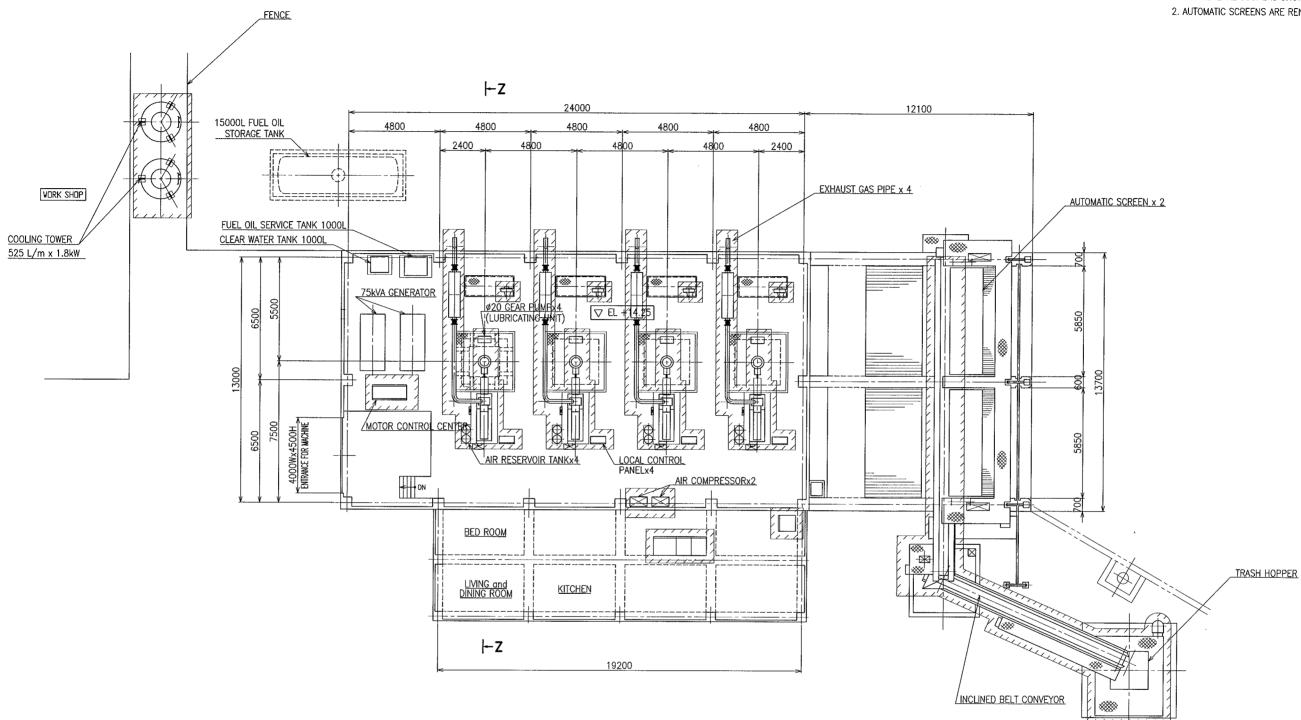
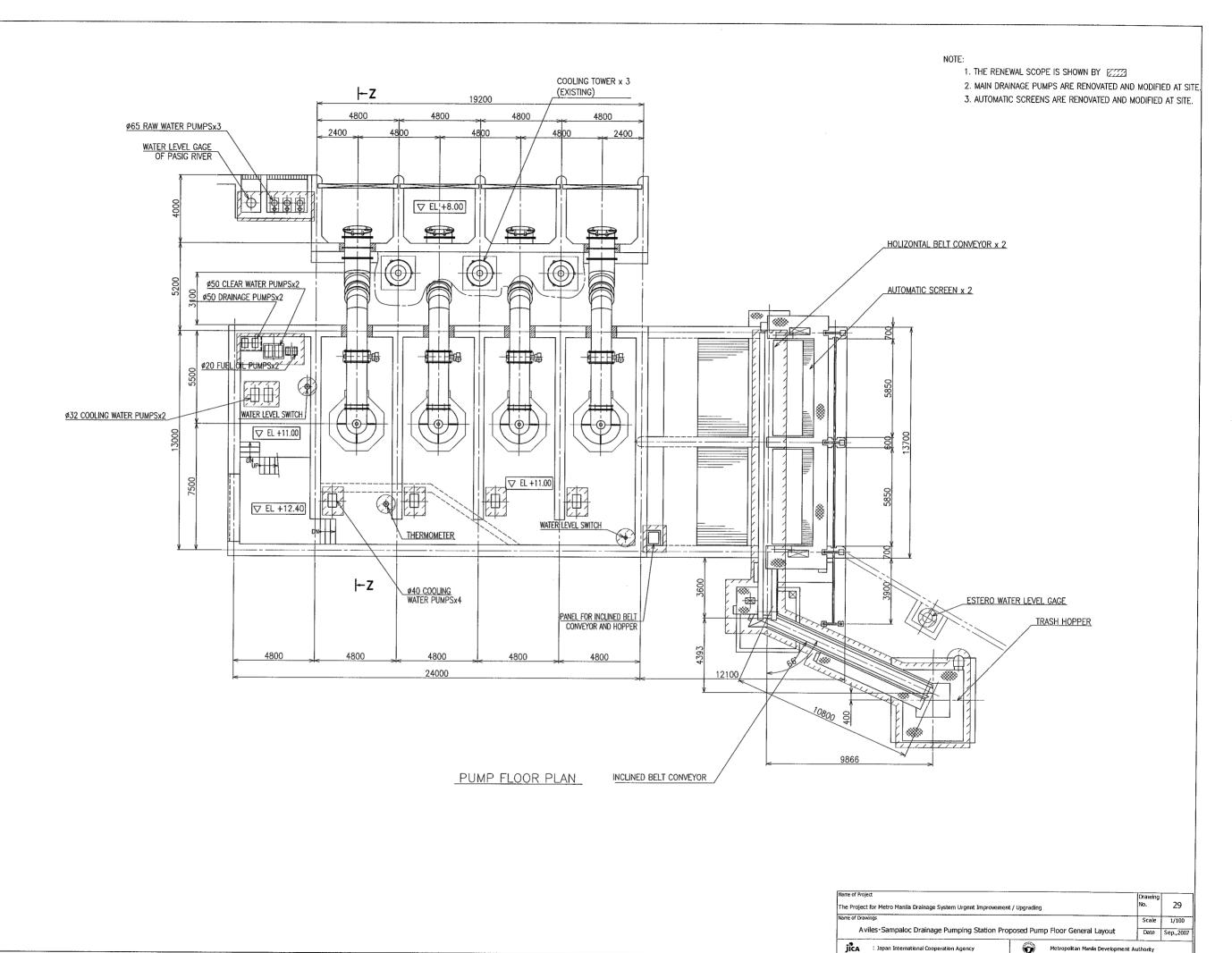


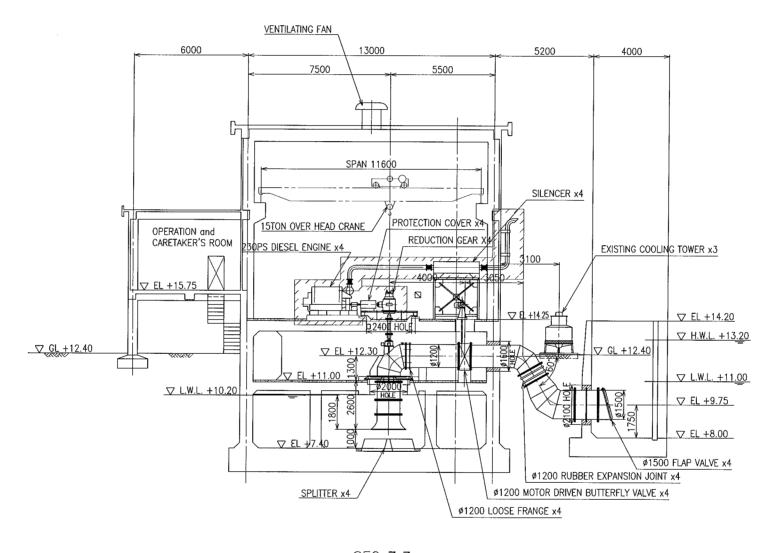
- 1. THE RENEWAL SCOPE IS SHOWN BY
- 2. AUTOMATIC SCREENS ARE RENOVATED AT SITE



ENGINE FLOOR PLAN

Name of Project			Drawing	
The Project for Metro Manila Drainage System Urgent Improve	ment / Upgrading		No.	28
Name of Drawings			Scale	1/100
Aviles · Sampaloc Drainage Pumping Station	Proposed Engi	ne Floor General Layout	Date	Sep.,2007
ICA : Janan International Cooperation Agency		Metropolitan Manila Development		L





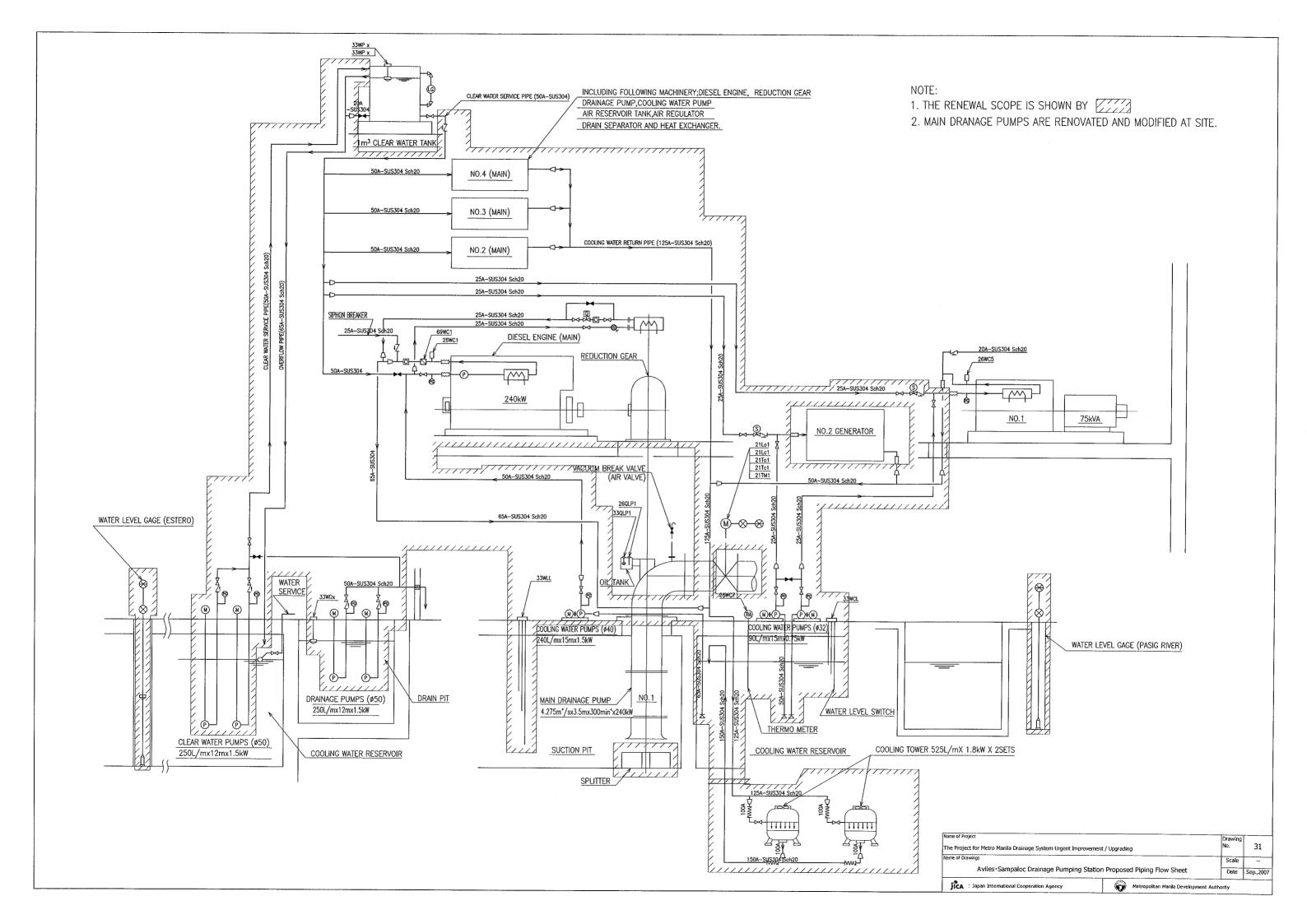
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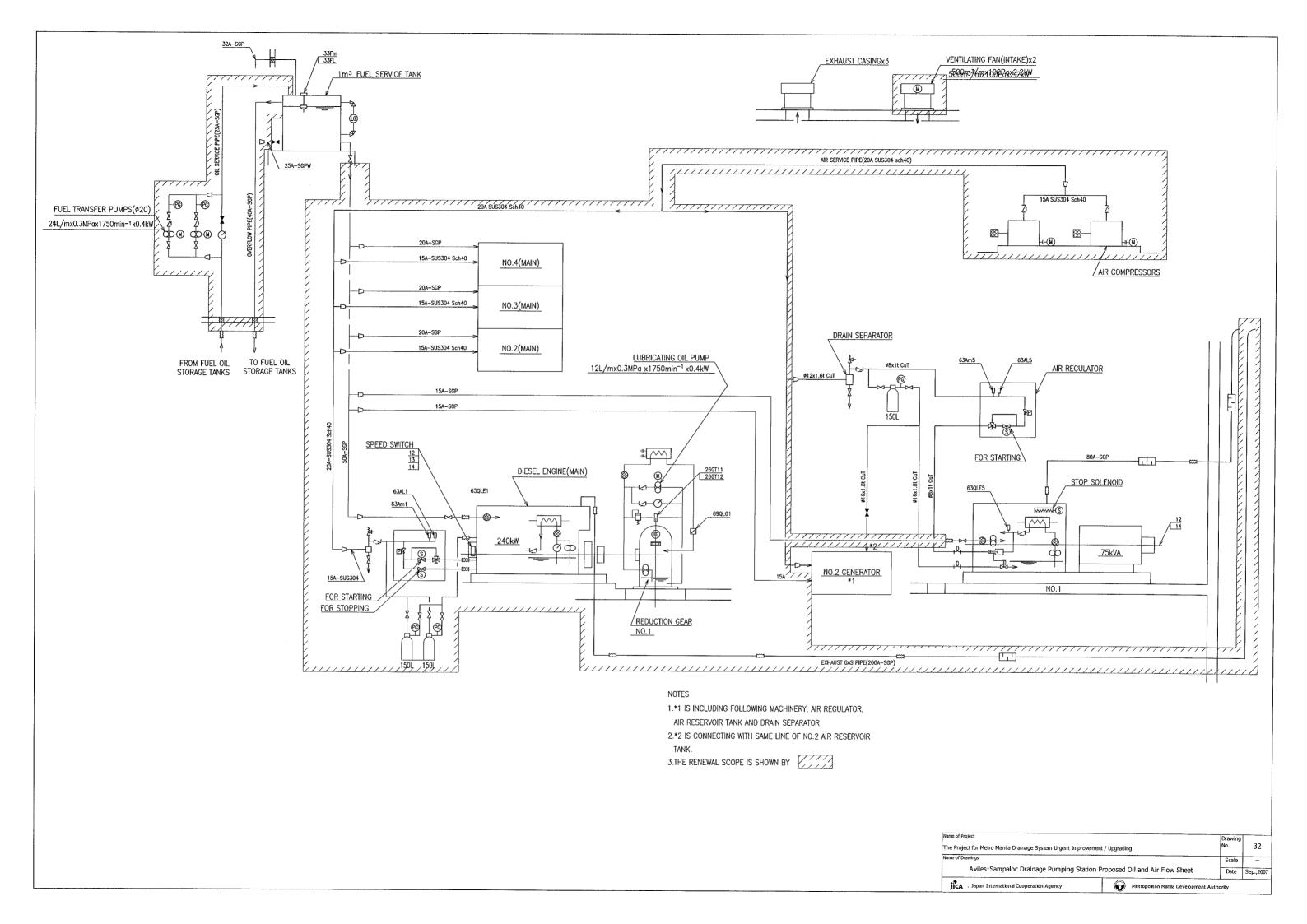
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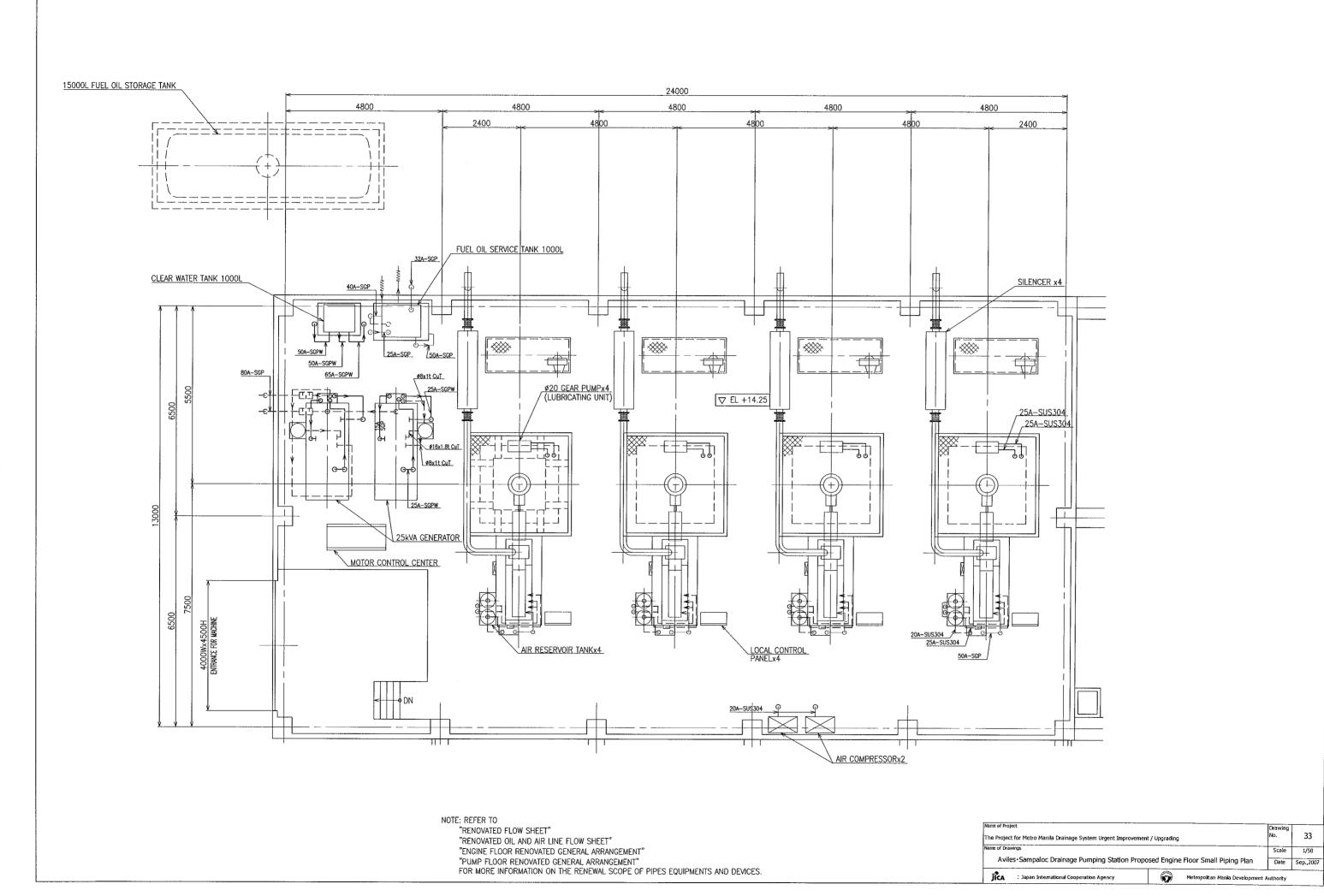
1. THE RENEWAL SCOPE IS SHOWN BY

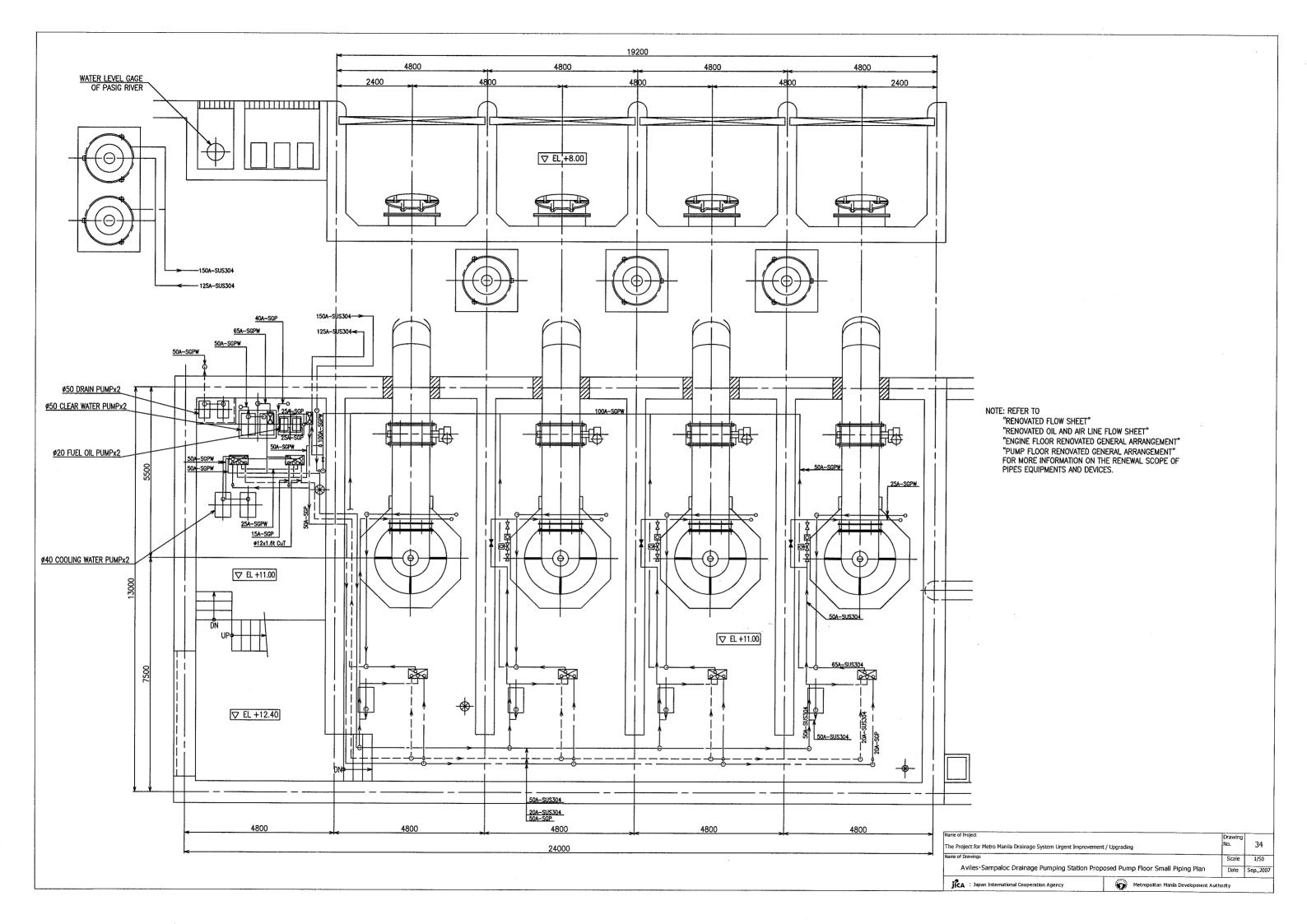
2. MAIN DRAINAGE PUMPS ARE RENOVATED AND MODIFIED AT SITE.

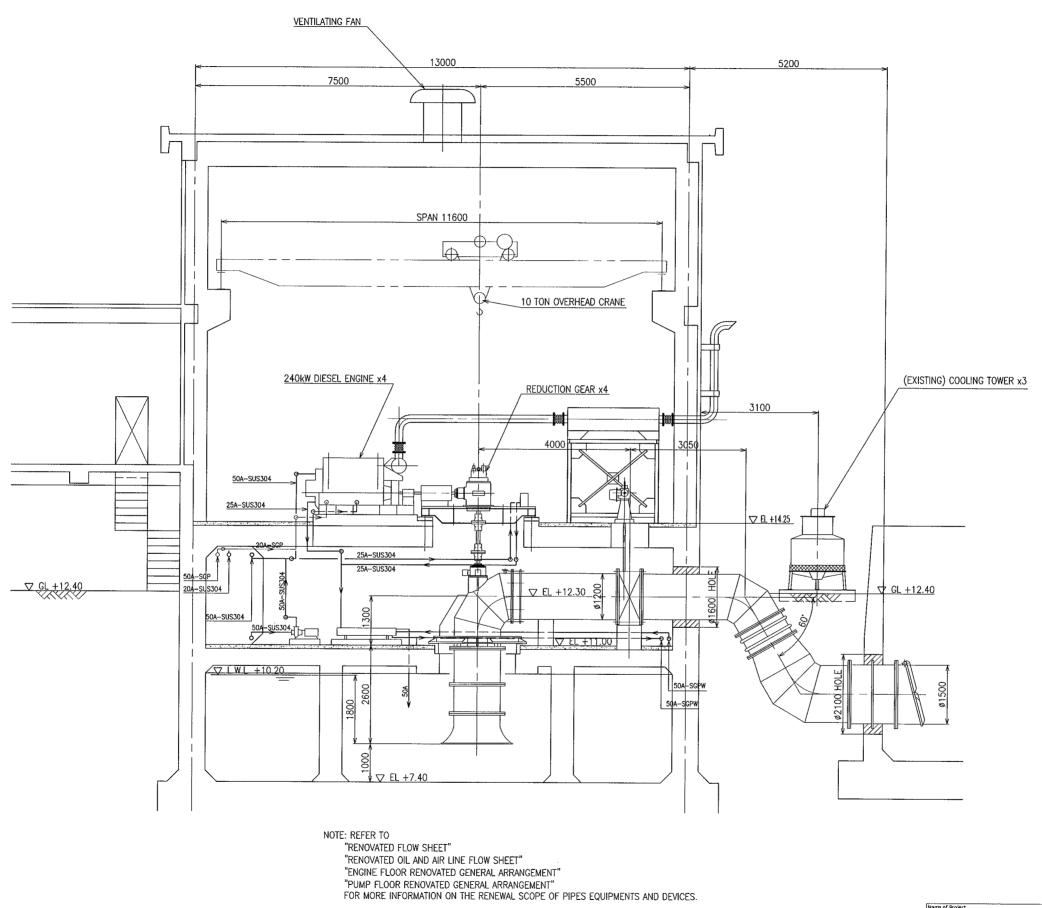
ame of Project		Drawing		
he Project for Metro Manila Drainage System Urgent Improve	No.	30		
ame of Drawings	Scale	1/100		
Aviles · Sampaloc Drainage Pumping	Date	Sep.,2007		
ICA : Japan International Cooperation Agency Metropolitan Manila Development Authority				



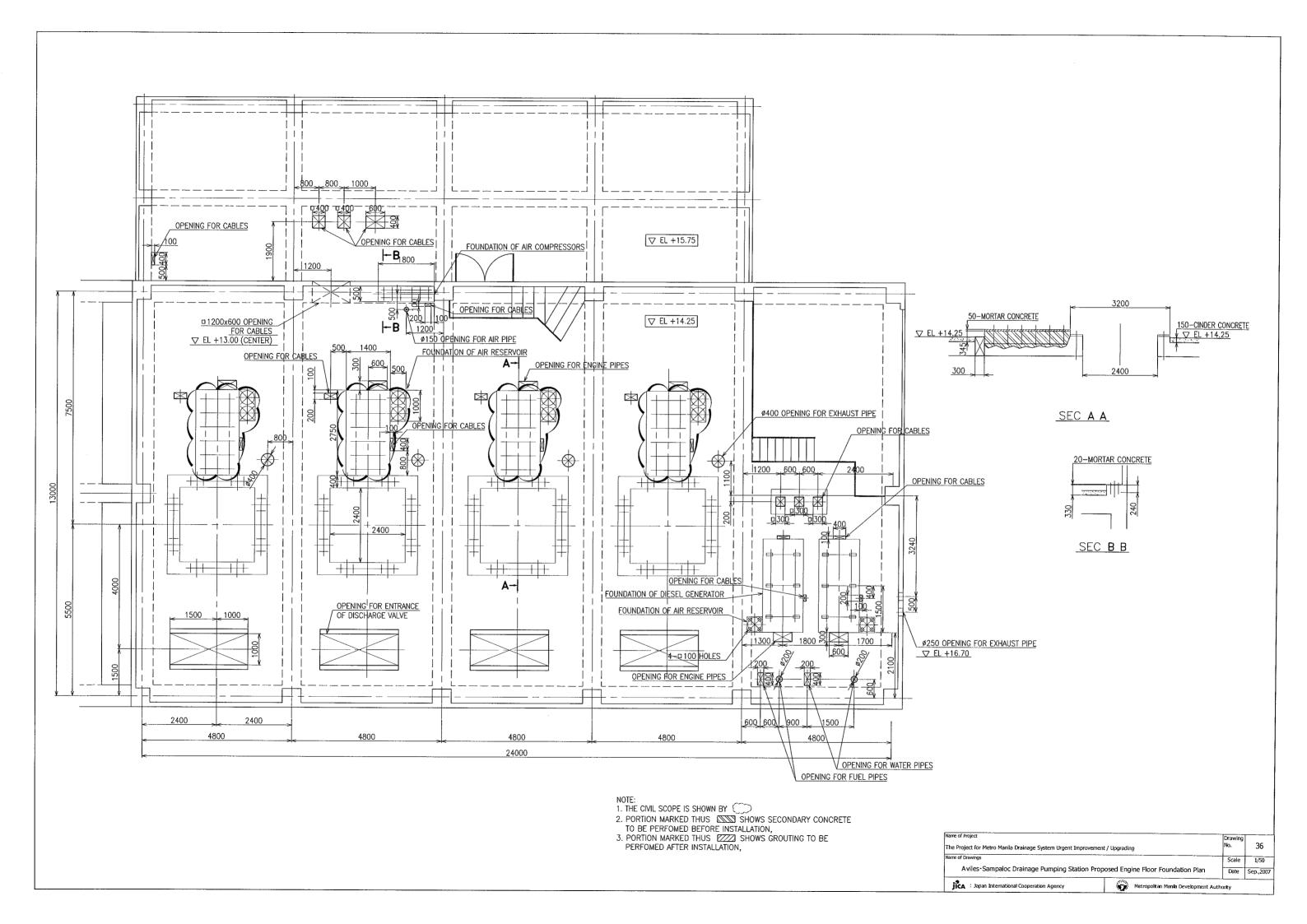


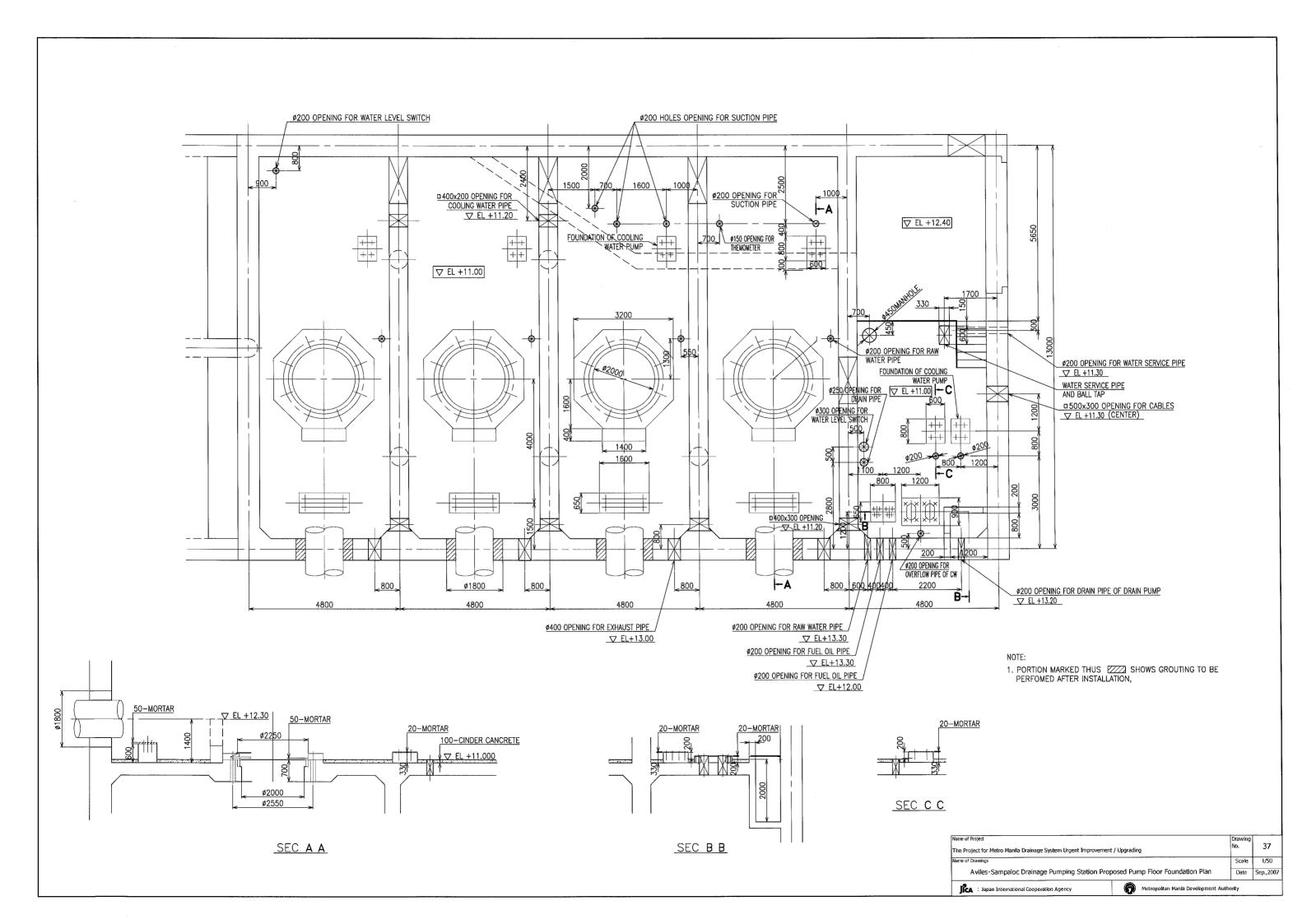


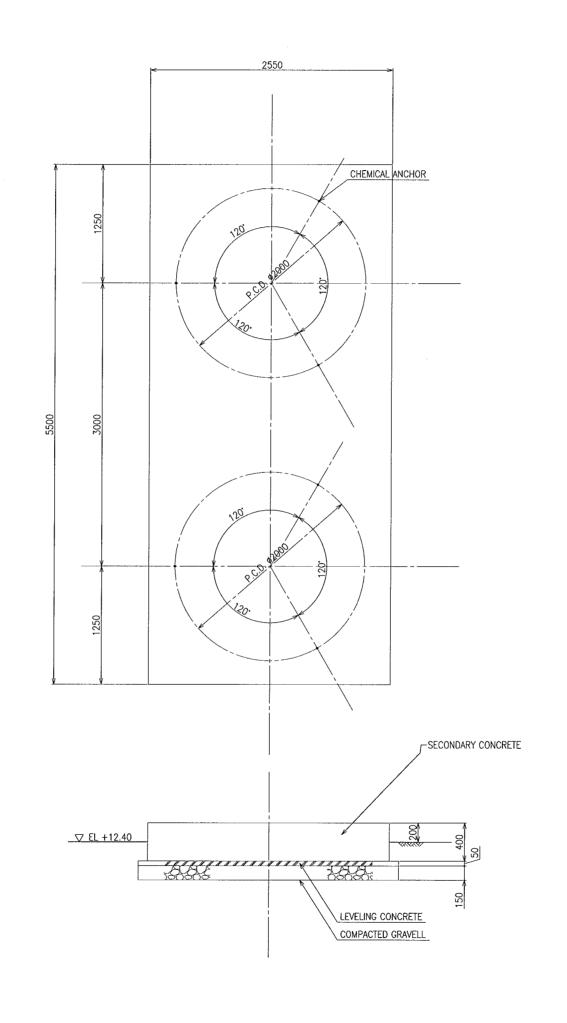




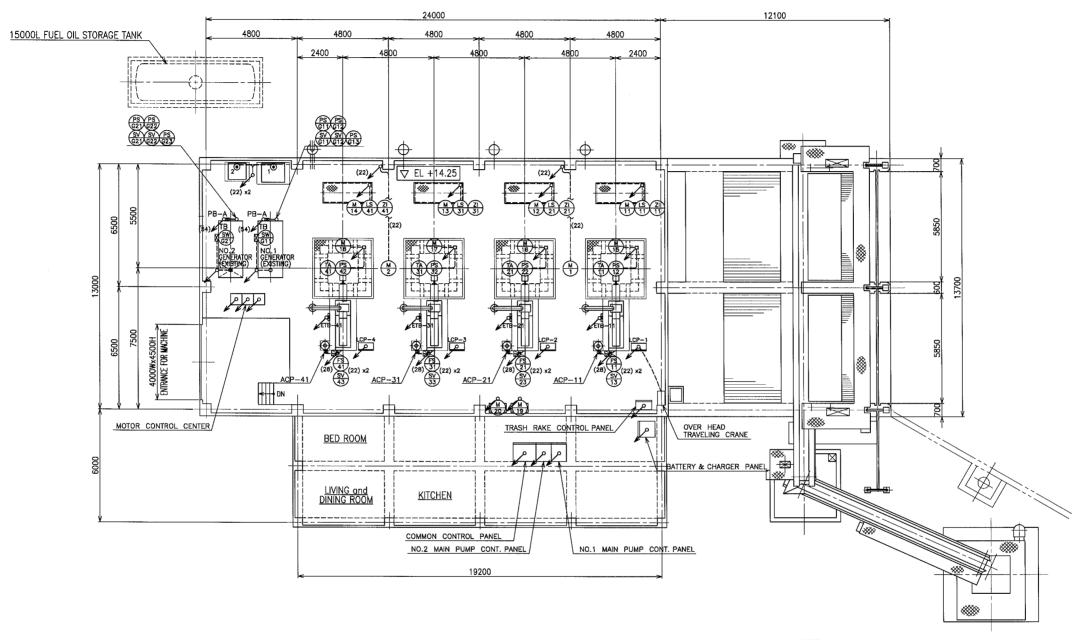
Name of Project		Drawing	r
The Project for Metro Manila Drainage System Urgent Impro	vement / Upgrading	No.	35
Name of Drawings	V	Scale	1/50
Aviles - Sampaloc Drainage Pumping Statio	Date	Sep.,2007	
JCA : Japan International Cooperation Agency	Metropolitan Manila Development A	uthority	L,





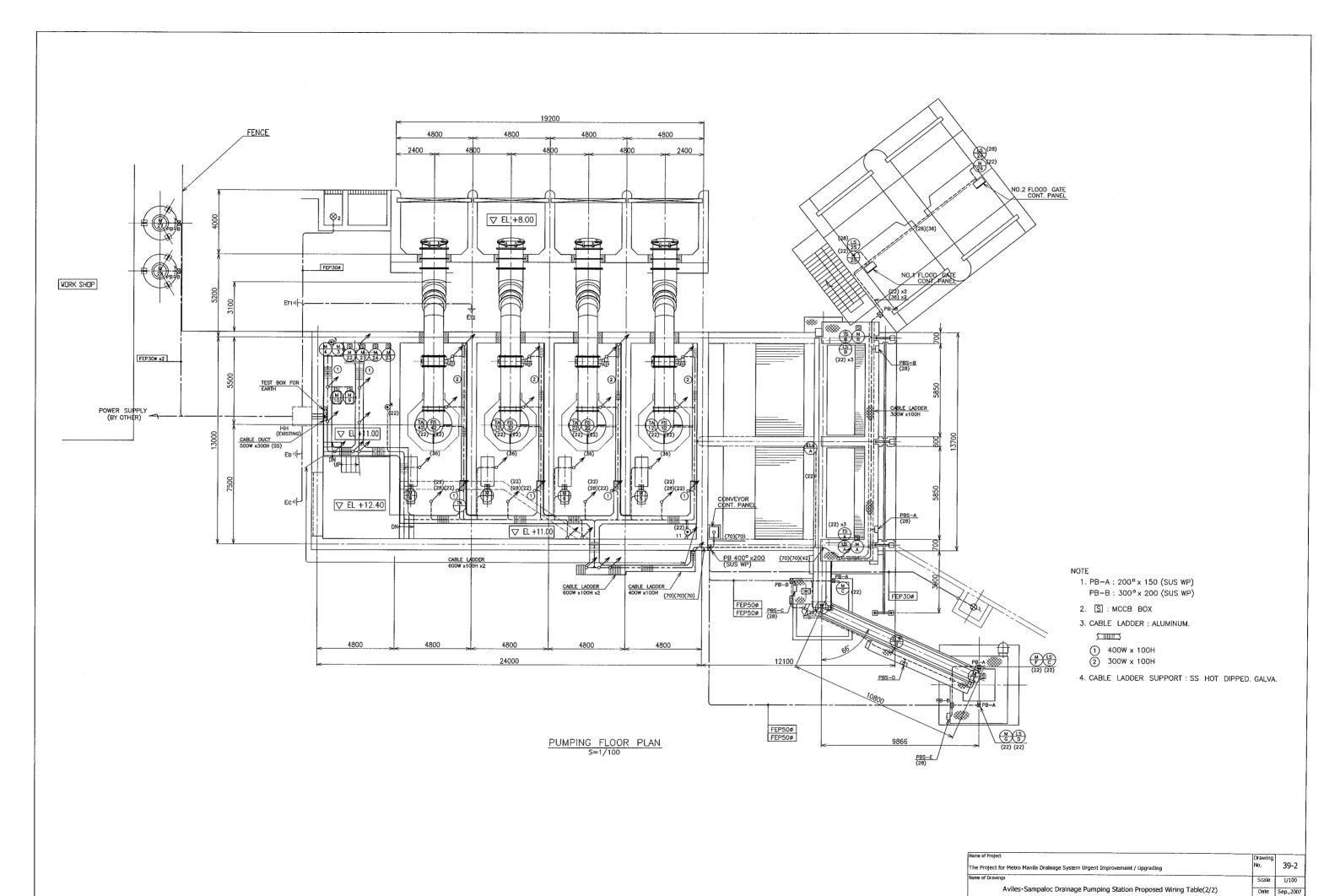


Name of Project		Drawing	
The Project for Metro Manila Drainage System Urgent Improv	rement / Upgrading	No.	38
Name of Drawings		Scale	1/20
Aviles · Sampaloc Drainage Pumping Station P	Proposed Cooling Tower Foundation Plan	Date	Sep.,2007
jica : Japan International Cooperation Agency	Metropolitan Manila Development Au	thority	L



ENGINE FLOOR PLAN S=1/100 NOTE 1. PB-A : 200° x 150 (SUS WP)

Name of Project		Drawing	
The Project for Metro Manila Drainage System Urgent Improv	vement / Upgrading	No.	39-1
Name of Drawlings		Scale	1/100
Aviles · Sampaloc Drainage Pumping S	Date	Sep.,200	
1 Annan International Cooperation Agency	Metropolitan Manila Development	Authority	



jica : Japan International Cooperation Agency

Metropolitan Manila Development Authority

/W\	-			 		PI			IRE	
<u></u>	NO.1 VENTILATION FAN	MOTOR CON	TROL CENTER	600V CV	3.5° - 3°C	(2	2)	IV	3.50	3.7kW
(M) (2)	NO.2		V							
M/3	NO.1 DRAIN PUMP	MOTOR CON	ITROL CENTER							1.5kW
(A)	NO.2							†		
(5)	NO.1 COOLING WATER PUMP		<u> </u>			_	 	1	<u> </u>	
(F)	NO.2				 		 -	+	 	
**	NO.3		-		+		-			
# B	 			ļ				-		
-	NO.4	-		ļ				_		
*	NO.5							ļ		
(A)	NO.6						L			. ↓
(H)	NO.1 DISCHRAGE VALVE									0.75kW
M/12	NO.2									
M 13	NO.3								ļ	
M 14	NO.4				—		<u> </u>	1		
M 15	NO.1 LUBE OIL PUMP FOR REDUCTION GEAR					<u> </u>		\vdash		
	NO.2	-			 					
₩ 17)	NO.3	-		-	-	-	_	-		
₩-	NO.4				1		ļ		<u> </u>	
	V	-			<u> </u>			 	ļ	<u> </u>
19	NO.1 AIR COMPRESSOR							ļ	<u> </u>	3.7kW
M 20	NO.2									↓ ↓
M 21	NO.1 CLEAR WATER PUMP				1	-				1.5kW
M 22	NO.2									Į.
M 22	NO.1 FUEL OIL TRANSFER PUMP							\vdash		0.4kW
M 24	NO.2							†		
4)	NO.1 FLOOD GATE CONT. PANEL					-		-		 2.2kW
	NO.2									E.ENII
M .	Y			-						V
M 27 M 28	NO.1 COOLING TOWER		 							1.8kW
28	NO.2 COOLING TOWER		<u> </u>		<u> </u>		,		į	<u> </u>
								<u> </u>		
M 25	NO.1 FLOOD GATE	NO.1 FLOOD	GATE CONT. PANEL	600V CV	3.5 - 3C	(2	2)	IV 3	3.50	
M 26	NO.2	NO.2	Ţ		Į.	T	,	ļ ,	,	
		-								

	OVER HEAD TRAVELING CRANE	MOTOR CON	TROL CENTER	600V CV	3 D – 3C	(2)	3)	IV 5	5.50	
	TRASH RAKE CONT. PANEL	1	T	600V CV		(3)				
		<u> </u>	+	0007 07	T	(3)				
	CONVEYOR CONT. PANEL		₩		¥	+ -	/	<u> </u>	/	
		-								
-		-						ļ		
Ž)	NO.1 TRASH RAKE	TRASH RAKE	CONT. PANEL	600V CV	3.5 - 3C	(2:	2)	IV 3	1.5°	
A SB SO	NO.2									
M _	DRAINAGE PUMP		↓							
M)	HORIZONTAL CONVEYOR	CONVEYOR (ONT. PANEL							
M E	INCLINED CONVEYOR									
	NO.1 HOPPER	1				1				
8	NO.2 J					-		\vdash		
٧	····-	<u> </u>		<u> </u>	Ψ	+ 4	'	1	'	
		l				+ -				
								<u> </u>		
									\neg	
		1						<u> </u>		
	1	1				1		I		

SYMBOL	FROM	ТО	CABLE SPEC.	CONDUIT PIPE	GROUNDING WIRE	REMARKS
	NO.1 GENERATOR	MOTOR CONTROL CENTER	600V CVT 150 ^a	(82)	IV 22 ²³	
	NO.2	<u> </u>	V	1		
			2001/01/415 25	-		
	BATTERY & CHARGER PANEL	MOTOR CONTROL CENTER	600V CV 14 - 3C		ļ	
		NO.1 GENERATOR	600V CV 3.5 = - 2C			
		NO.2		ļ		
		NO.1 MAIN PUMP CONT. PANEL	600V CV 3.5 - 2C x 2			
	V	NO.2		.		
				ļ		
	COMMON CONT. PANEL	MOTOR CONTROL CENTER	600V CV 14 - 2C			
			600V CV 3.5 = - 2C			
			600V CV 3.5 = - 3C x 4			
	NO.1 MAIN PUMP CONT. PANEL	·	600V CV 14 ⁻ - 2C			
	MOTOR CONTROL CENTER	COMMON CONT. PANEL	CVV 2 10C x 8			
	MOTOR CONTROL CENTER	NO.1 MAIN PUMP CONT. PANEL	CVV 2 - 10C x 7			
	ļ V	NO.2				
LCP - 1	NO.1 LOCAL CONT. PANEL	MOTOR CONTROL CENTER	CVV 2 D- 6C x 3			
		NO.1 MAIN PUMP CONT. PANEL	600V CV 3.5 - 2C x 2			
			CVV 2 - 15C x 2			
	<u> </u>	↓	CVV 2 20C			
LCP 2	NO.2 LOCAL CONT. PANEL	MOTOR CONTROL CENTER	CVV 2 6C x 3			
		NO.1 MAIN PUMP CONT. PANEL	600V CV 3.5 - 2C x 2			
			CVV 2 15C x 2			
			CVV 2 20C			
LCP - 3	NO.3 LOCAL CONT. PANEL	MOTOR CONTROL CENTER	CVV 2 6C x 3			
		NO.2 MAIN PUMP CONT. PANEL	600V CV 3.5 D 2C x 2			
			CVV 2 n- 15C x 2			
	V	v	CVV 2 - 20C			
LCP - 4	NO.4 LOCAL CONT. PANEL	MOTOR CONTROL CENTER	CVV 2 - 6C x 3			
		NO.2 MAIN PUMP CONT. PANEL	600V CV 3.5 - 2C x 2			
			CVV 2 n- 15C x 2			
			CVV 2 - 20C			
	•	•				
	NO.1 GENERATOR	COMMON CONT. PANEL	CVV 2 =- 15C			
	NO.2		1			
	BATTERY & CHARGER PANEL		600V CV 3.5 - 2C x 2			
	NO.1 FLOOD GATE PANEL		CVV 2 - 15C	(36)		
	NO.2		1			
	•	•	· · · · · · · · · · · · · · · · · · ·			
PBS - A	NO.1 TRASH RAKE PBS	TRASH RAKE CONT. PANEL	CVV 2 D- 10C	(28)		
PBS - B	NO.2	V				
PBS - C	HORIZONTAL CONVEYOR PBS	CONVEYOR CONT. PANEL				
PBS - D	INCLINED CONVEYOR PBS					
PBS - E	HOPPER PBS		 			
		¥	¥	W		
		-				
			1	L		

Name of Project		Drawing	
The Project for Metro Manila Drainage System Urgent Impro	vement / Upgrading	No.	40-1
Name of Drawings	Scale		
Aviles · Sampaloc Drainage Pumping S	Date	Sep.,2007	
JiCA : Japan International Cooperation Agency	Metropolitan Manila Developmen	t Authority	

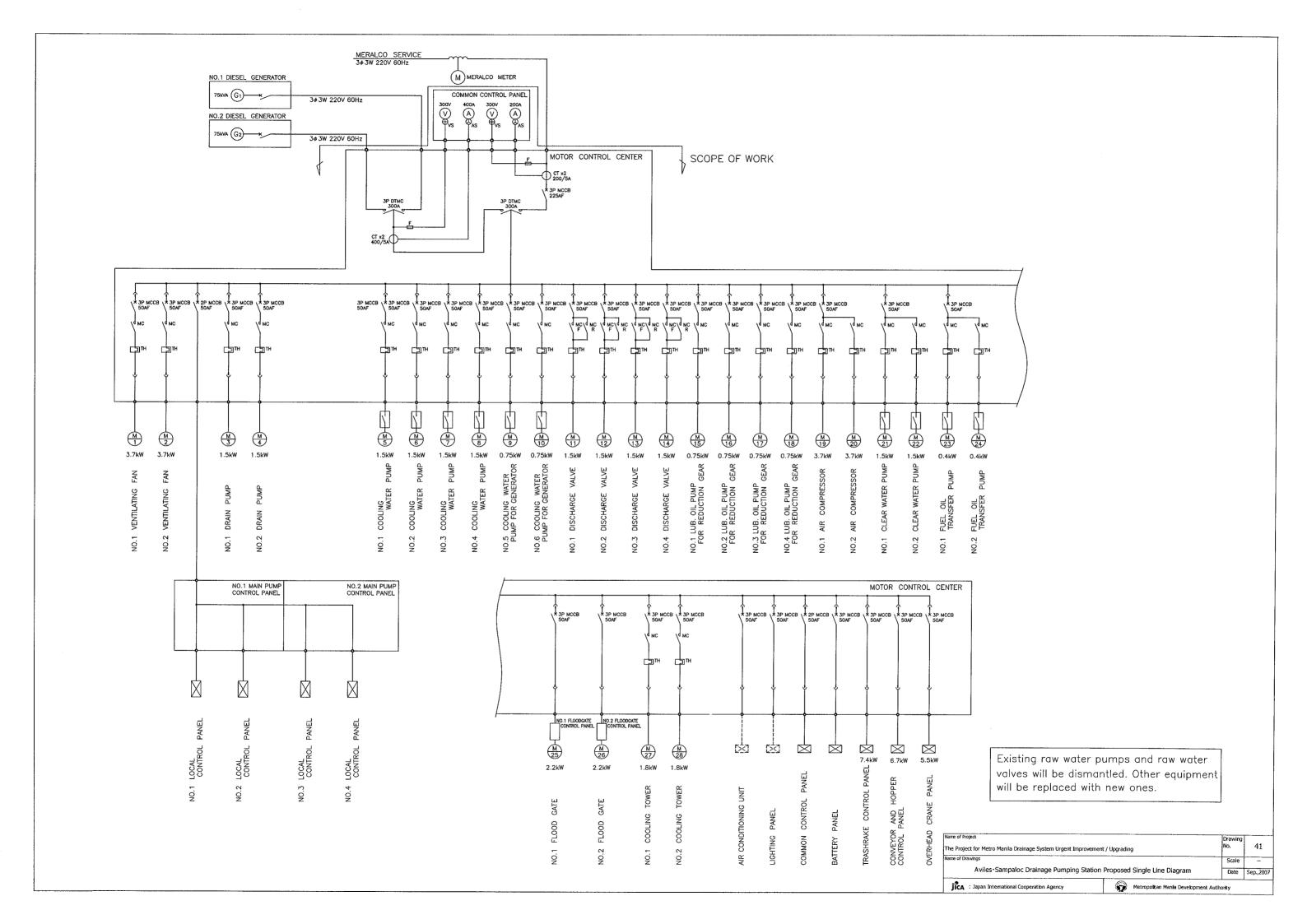
YMBOL.	FROM	ТО	CABLE SPEC.	CONDUIT G	ROUNDING REMARKS
	NO.1 DISCHARGE VALVE (LS)	NO.1 MAIN PUMP CONT. PANEL	CVV 2D- 10C	(28)	
4	(ZI)		CVV 2D- 5C	(22)	
(<u>IS</u>)	NO.2 DISCHARGE VALVE (LS)		CVV 2 ⁻ - 10C	(28)	
$\frac{21}{21}$	(ZI)		CVV 2n- 5C	(22)	
(§)	NO.3 DISCHARGE VALVE (LS)	NO.2 MAIN PUMP CONT. PANEL	CVV 2 - 10C	(28)	
(21)	(ZI)		CVV 2 ⁻ - 5C	(22)	
(1)	NO.4 DISCHARGE VALVE (LS)		CVV 2 ⁻ - 10C	(28)	
(A)	(ZI)		CVV 2 ⁻ - 5C	(22)	
<u> </u>	V	V			
⊙ 11	SUCTION PIT LEVEL DETECTOR	NO,1 MAIN PUMP CONT. PANEL	CVV 2 ⁻ - 3C	(22)	ELECTRODE 3P
(III)	NO.1 HANDLE FORLS		CVV 2º - 15C ※11	(36)	ETB-11
<u></u>	NO.1 ENGINE STOP VALVE		CVV 2 ^B - 10C	(28)	ACP-11
(SV)	NO.1 ENGINE START VALVE		% 12		↓
9	NO.1 ENGINE		※ 11		ETB-11
(1)	NO.1 ENGINE FLOW SWITCH		CVV 2 ^D – 2C	(22)	
(f)	NO.1 ENGINE LUBE OIL P. SWITCH		※ 11		ETB-11
(PS) 12)	NO.1 G. B. LUBE OIL P. SWITCH	V	GVV 2 ⁻ - 2C	(22)	
(IA)	NO.1 G. B. LUBE OIL TEMP.	NO 1 LOCAL CONT DANIEL	CVV 2 ⁻ - 2C	(22)	
(1) (1) (1)	NO.1 AIR TANK P.S	NO.1 LOCAL CONT. PANEL		(22)	A00. (1
		NO.1 MAIN PUMP CONT. PANEL	<u></u> %12		ACP-11
(FS)	NO.1 ENGINE	V	<u>**11</u>	(0.0)	ETB-11
(IA)	NO.1 G. B. WATER FLOW SWITCH	NO,1 LOCAL CONT. PANEL	CVV 2 ⁻ - 2C	(22)	
(IA)	NO.1 PUMP BEARING TEMP.	<u> </u>			
13 13	NO.1 ENGINE LUBE OIL TEMP.	NO.1 MAIN PUMP CONT, PANEL	※ 11		ETB-11
PS 14	NO.1 AIR TANK P. SWITCH	NO.1 MAIN PUMP CONT. PANEL	%12		ACP-11
\$\frac{13}{13}	NO.1 CLEAR WATER SV	NO.1 LOCAL CONT. PANEL	CVV 2 ⁻ – 2C	(22)	7.6. 1.
<u> </u>		Non Edward Committee	011 LO	(22)	
(5H) 21	NO.2 HANDLE FORLS	NO.1 MAIN PUMP CONT. PANEL	CVV 2 ⁻ - 15C	(36)	ETB-21
(SV) 21)	NO.2 ENGINE STOP VALVE		CVV 2 ⁻ - 10C	(28)	ACP-21
(SV) 22)	NO.2 ENGINE START VALVE		*22		V
(1) (21)	NO.2 ENGINE		%2 1		ETB-21
(FS) 21)	NO.2 ENGINE FLOW SWITCH		CVV 2º - 2C	(22)	
(PS) 21)	NO.2 ENGINE LUBE OIL P. SWITCH		※21		ETB-21
(PS) 22)	NO.2 G. B. LUBE OIL P. SWITCH		CVV 2 ^D - 2C	(22)	
(ÎA)	NO.2 G. B. LUBE OIL TEMP.	NO.2 LOCAL CONT. PANEL	CVV 2 ⁻ D - 2C	(22)	
(PS)	NO.2 AIR TANK P. S	NO.2 MAIN PUMP CONT. PANEL	※22		ACP-21
(12)	NO.2 ENGINE		※21		ETB-21
FS 22	NO.2 G. B. WATER FLOW SWITCH	NO.2 LOCAL CONT, PANEL	CVV 2º - 2C	(22)	
(TA) (22)	NO.2 PUMP BEARING TEMP.	V	v	V	
(IA) 23)	NO.2 ENGINE LUBE OIL TEMP.	NO.2 MAIN PUMP CONT. PANEL	※21		ETB-21
(PS)	NO.2 AIR TANK P. SWITCH	NO.2 MAIN PUMP CONT. PANEL	*22		ACP-21
(\$V) (23)	NO.2 CLEAR WATER SV		CVV 2 ^D – 2C	(33)	AUF-ZI
237	NO.2 OLEAN WATER SV	NO.2 LOCAL CONT, PANEL	0 V V Z = Z U	(22)	

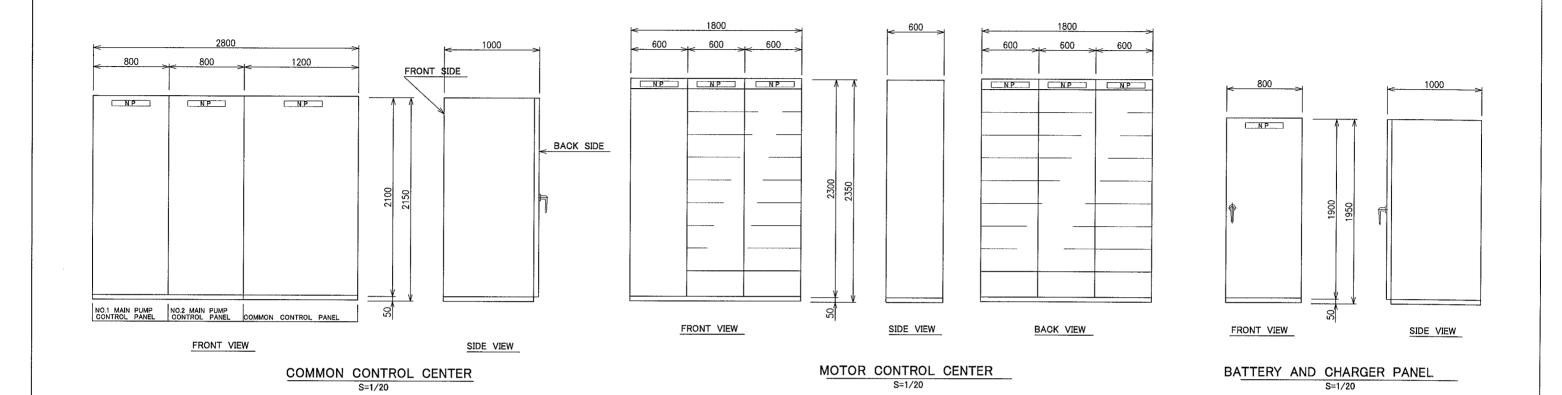
SYMBOL	FROM	то	CABLE SPEC.	CONDUIT	GROUNDING WIRE	REMARKS
(SH) (31)	NO.3 HANDLE FORLS	NO.2 MAIN PUMP CONT. PANEL	CVV 2 - 15C ※31	(36)	- MICE	ETB-31
(\$)	NO.3 ENGINE STOP VALVE		CVV 2 ⁻ - 10C ※32	(28)		ACP-31
(SV)	NO.3 ENGINE START VALVE		※ 32		 	Ţ,
(a)	NO.3 ENGINE		※3 1			ETB-31
	NO.3 ENGINE FLOW SWITCH		CVV 2 - 2C	(22)		
PS	NO.3 ENGINE LUBE OIL P. SWITCH		※ 31			ETB-31
(PS) 32)	NO.3 G. B. LUBE OIL P. SWITCH		CVV 2 - 2C	(22)		
<u> </u>		Y			1	
(TA)	NO.3 G. B. LUBE OIL TEMP.	NO.3 LOCAL CONT. PANEL	CVV 2 - 2C	(22)		
	NO.3 AIR TANK P. S	NO.3 MAIN PUMP CONT. PANEL	※32		<u> </u>	ACP-31
(£12)	NO.3 ENGINE	Nr.	※31			ETB-31
(FS)	NO.3 G. B. WATER FLOW SWITCH	NO.3 LOCAL CONT. PANEL	CVV 2 ⁻ - 2C	(22)		
(ÎĀ)	NO.3 PUMP BEARING TEMP.	N.	j	J		
(£)33 (A)33 (A)3 (A)	NO.3 ENGINE LUBE OIL TEMP.	NO.3 MAIN PUMP CONT. PANEL	* 31		1	ETB-31
					1	
(PS)	NO.3 AIR TANK P. SWITCH	NO.3 MAIN PUMP CONT. PANEL	*32			ACP-31
PS 34 SV 33	NO.3 CLEAR WATER SV	NO.3 LOCAL CONT. PANEL	CVV 2 - 2C	(22)		
~					1	
					1	
(5H)	NO.4 HANDLE FORLS	NO.2 MAIN PUMP CONT. PANEL	CVV 2º - 15C ※41	(36)	†	ETB-41
\$3000000000000000000000000000000000000	NO.4 ENGINE STOP VALVE		CVV 2 = - 10C 3/42	(28)		ACP-41
(\$\)	NO.4 ENGINE START VALVE		※42			
	NO.4 ENGINE		※4 1		 	ETB-41
	NO.4 ENGINE FLOW SWITCH		CVV 2º - 2C	(22)		
	NO.4 ENGINE LUBE OIL P. SWITCH		※41			ETB-41
PS	NO.4 G. B. LUBE OIL P. SWITCH		CVV 2 - 2C	(22)		
<u> </u>		Y				
(TA)	NO.4 G. B. LUBE OIL TEMP.	NO.4 LOCAL CONT. PANEL	CVV 2 - 2C	(22)		
(PS)	NO.4 AIR TANK P.S	NO.4 MAIN PUMP CONT. PANEL	%42		<u> </u>	ACP-41
(£12)	NO.4 ENGINE	,	※41		1	ETB-41
(FS)	NO.4 G. B. WATER FLOW SWITCH	NO.4 LOCAL CONT. PANEL	CVV 2 D - 2C	(22)	1	
	NO.4 PUMP BEARING TEMP.	L.				
(IA)	NO.4 ENGINE LUBE OIL TEMP.	NO,4 MAIN PUMP CONT, PANEL	¥ 41	-		ETB-41
•						
PS	NO.4 AIR TANK P. SWITCH	NO.4 MAIN PUMP CONT. PANEL	※ 42			ACP-41
PS 44 SV 43	NO.4 CLEAR WATER SV	NO.4 LOCAL CONT. PANEL	CVV 2 ^D – 2C	(22)	1	
				!		
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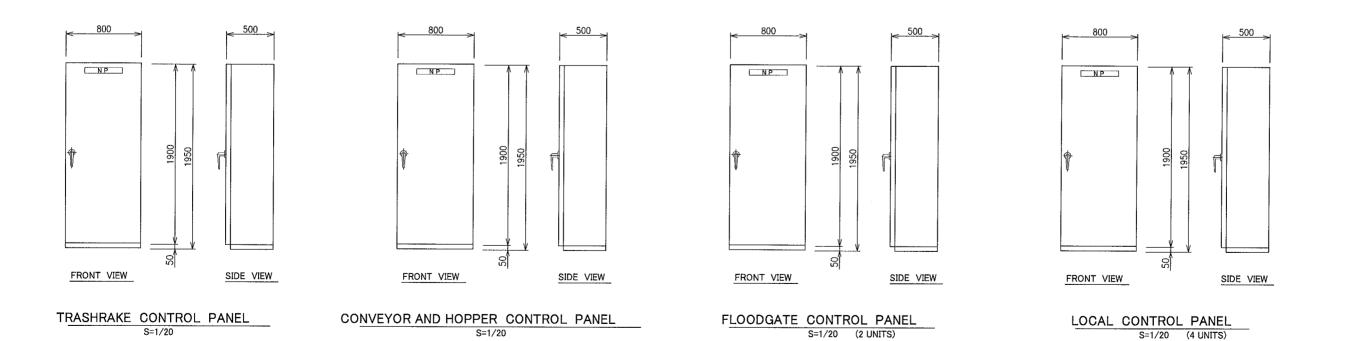
me of Project ne Project for Metro Manila Drainage System Urgent Improvement		Drawing No.	40-2
me of Drawings		Scale	_
Aviles Sampaloc Drainage Pumping Station	n Proposed Wiring Table(2/3)	Date	Sep.,2007
ica : Japan International Cooperation Agency	Metropolitan Manila Development Author	ority	

SYMBOL	FROM	то	OARLE CREO	CONDUIT	GROUNDING	DEMARKO
PS			CABLE SPEC.	PIPE	WIRE	REMARKS
PS	NO.1 GENERATOR AIR TANK P. S	NO.1 GENERATOR	GVV 20 - 20	(22)		
PS G12	V	<u> </u>				
PS G2 J	NO.2 GENERATOR AIR TANK P. S	NO.2 GENERATOR		<u> </u>		
PS G222	V		<u> </u>			
(SW) G1)	NO.1 GENERATOR SWITCH	NO.1 GENERATOR	CVV 2 - 2C	(22)		EXISTING
(SV) (SV) (SV)	NO.1 GENERATOR START VALVE					
(SV)	NO.1 GENERATOR STOP VALVE				 	
PS	NO.1 GENERATOR AIR TANK SWITCH		CVV 2° - 2C × 2	(22) x 2		
G13/	NO.1 GENERATOR AIR TANK SHITOIT	V	0002 20 82	(22) X 2		
- SW				()	ļ	
SW G21	NO.2 GENERATOR SWITCH	NO.2 GENERATOR	CVV 2 - 2C	(22)		EXISTING
(SV) (SV) (SV) (SV)	NO.2 GENERATOR START VALVE					
SV	NO.2 GENERATOR STOP VALVE		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
(PS) (G23)	NO.2 GENERATOR AIR TANK SWITCH		CVV 2 - 2 C x 2	(22) x 2		
⊙ 1	FUEL OIL TANK LEVEL	COMMON CONT. PANEL	CVV 2 - 5C	(22)	1	
① ₂	CLEAR TANK LEVEL		CVV 2 - 4C	1	1	
⊙ ₂	DRAIN PIT LEVEL		CVV 2 = - 5C	 	1	
	COOLING WATER					
⊙ 4	RESERVOR LEVEL COOLING WATER	<u></u>	CVV 2 - 4C			
(TA)	RESERVOR TEMP.	V	CVV 2 - 3C			
⊗ 1	SUCTION PIT LEVEL	COMMON CONT. PANEL	CVVS 2 ^D - 2C	(22)		
⊗ ₂	DISCHARGE PIT LEVEL	COMMON CONT. PANEL	CVVS 2 2C	(22)		
(TS)	NO.1 TRASH RAKE (TS)	TRASH RAKE CONT. PANEL	CVV 2 - 2C	(22)	 	
<u></u>	(LS)			\	 	
TS	Y				 	
B	NO.2 TRASH RAKE (TS)			 		
	(LS)	<u> </u>			ļ	
	NO.1 HOPPER (LS)	CONVEYOR CONT. PANEL				
(S)	NO.2					
ELS	H. CONVEYOR E. ST. LS	CONVEYOR CONT. PANEL	CVV 2 ⁻ - 2C	(22)		
ELS	1. CONVEYOR E. ST. LS			\ <u>\</u>	 	
(LS)		WO 4 51 00D 04 75 00 W 7 DW 17	0,	(00)	<u> </u>	
	NO.1 FLOOD GATE LS	NO.1 FLOOD GATE CONT. PANEL	CVV 2 = ~ 10C	(28)		
26	NO.2	NO.2	↓ ↓	<u> </u>		
	ED	TEST BOX FOR EARTH		(VE54)	IV 60 🗆	
	Ec					
	Еті				IV 5.5°	
	E 12].	
		¥			¥	
	En MAIN WIDE	TEST BOY FOR EARTH			11/ 20 U	
	ED MAIN WIRE	TEST BOX FOR EARTH			IV 38 ⁻¹	
	COMMON CONT. PANEL	ļv			IV 14 °	
	MOTOR CONTROL CENTER	ED MAIN WIRE			IV 38 º	
	NO.1 MAIN PUMP CONT. PANEL				IV 14 º	
	NO.2					
	COMMON CONT. PANEL					
	BATTERY & CHARGER PANEL					
		¥		ļ	V	

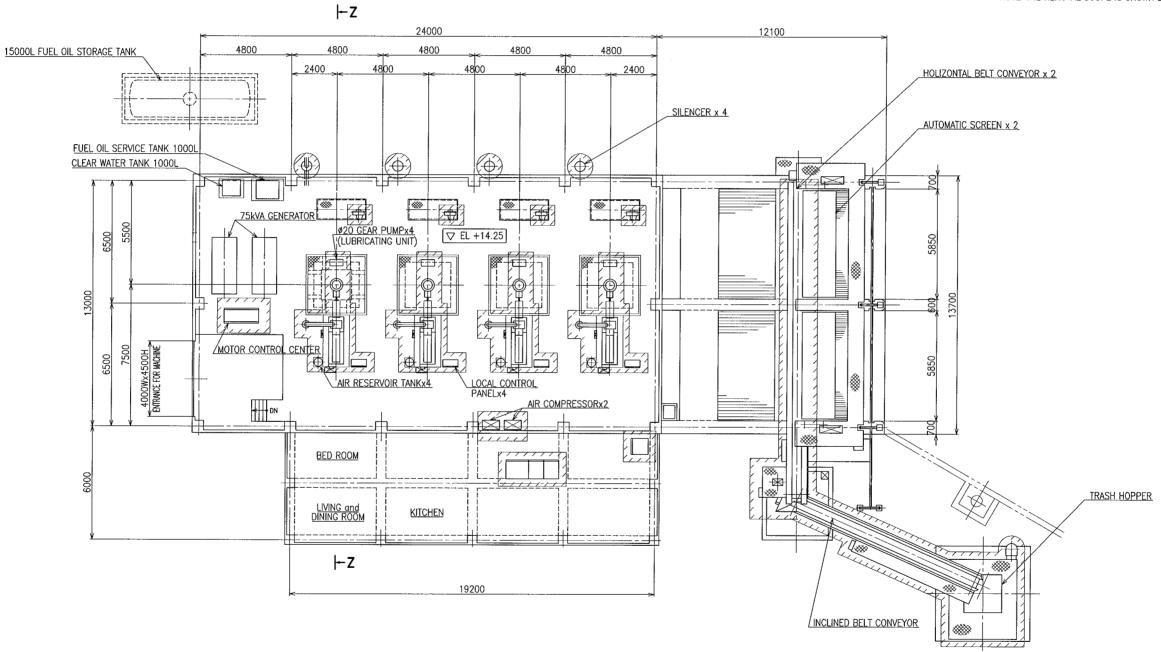
Name of Project		Drawing	
The Project for Metro Manila Drainage System Urgent Improv	rement / Upgrading	No.	40-3
Name of Drawings		Scale	
Aviles · Sampaloc Drainage Pumping S	tation Proposed Wiring Table(3/3)	Date	Sep.,2007
jica : Japan International Cooperation Agency	Metropolitan Manila Development	Authority	





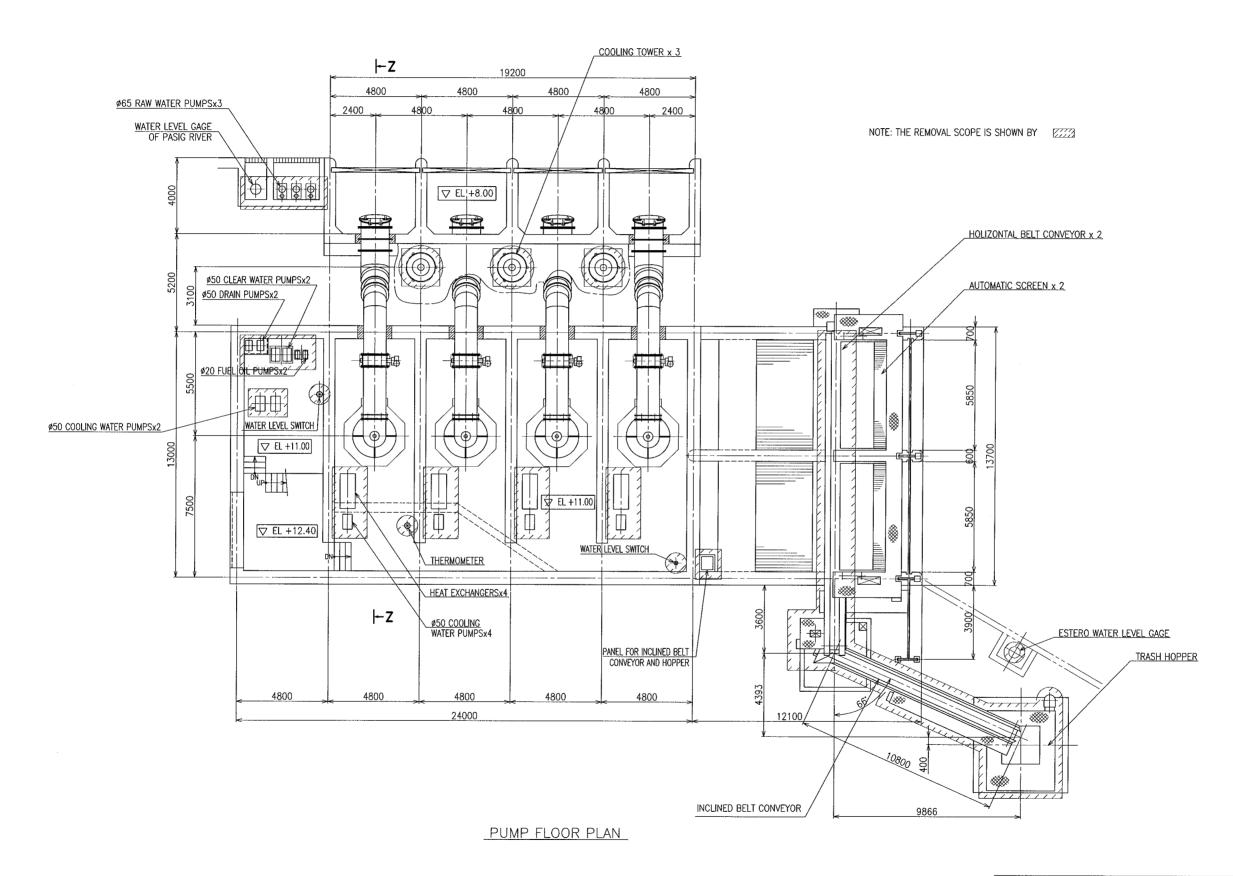


Name of Project The Project for Metro Manila Drainage System Urgent Improvement / Upgrading		Drawing No.	42
Name of Drawings		Scale	1/20
Aviles · Sampaloc Drainage Pumping Sta	ation Reference Drawings of Panels	Date	Sep.,2007
jica : Japan International Cooperation Agency	Metropolitan Manila Development	Authority	

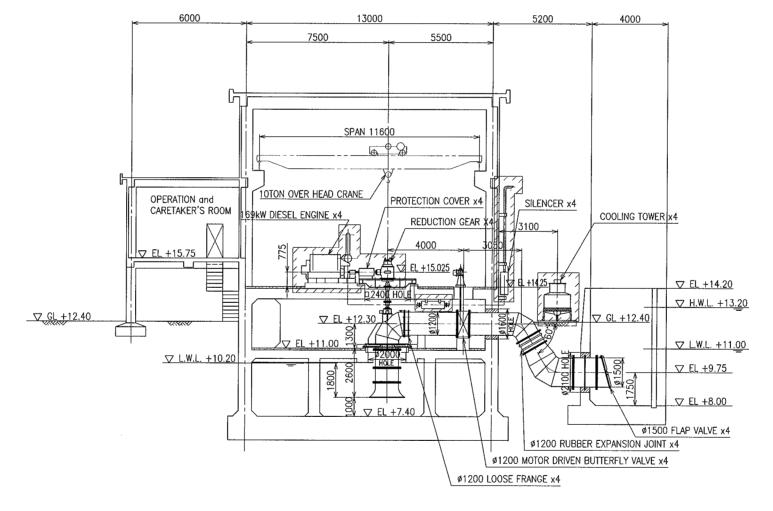


ENGINE FLOOR PLAN

Name of Project		Drawing	
The Project for Metro Manila Drainage System Urgent Improven	nent / Upgrading	No.	43
Name of Drawings		Scale	1/100
Aviles · Sampaloc Drainage Pumping Station i	Existing Engine Floor General Layout	Date	Sep.,2007
JICA : Japan International Cooperation Agency	Metropolitan Manila Development Ai	uthority	



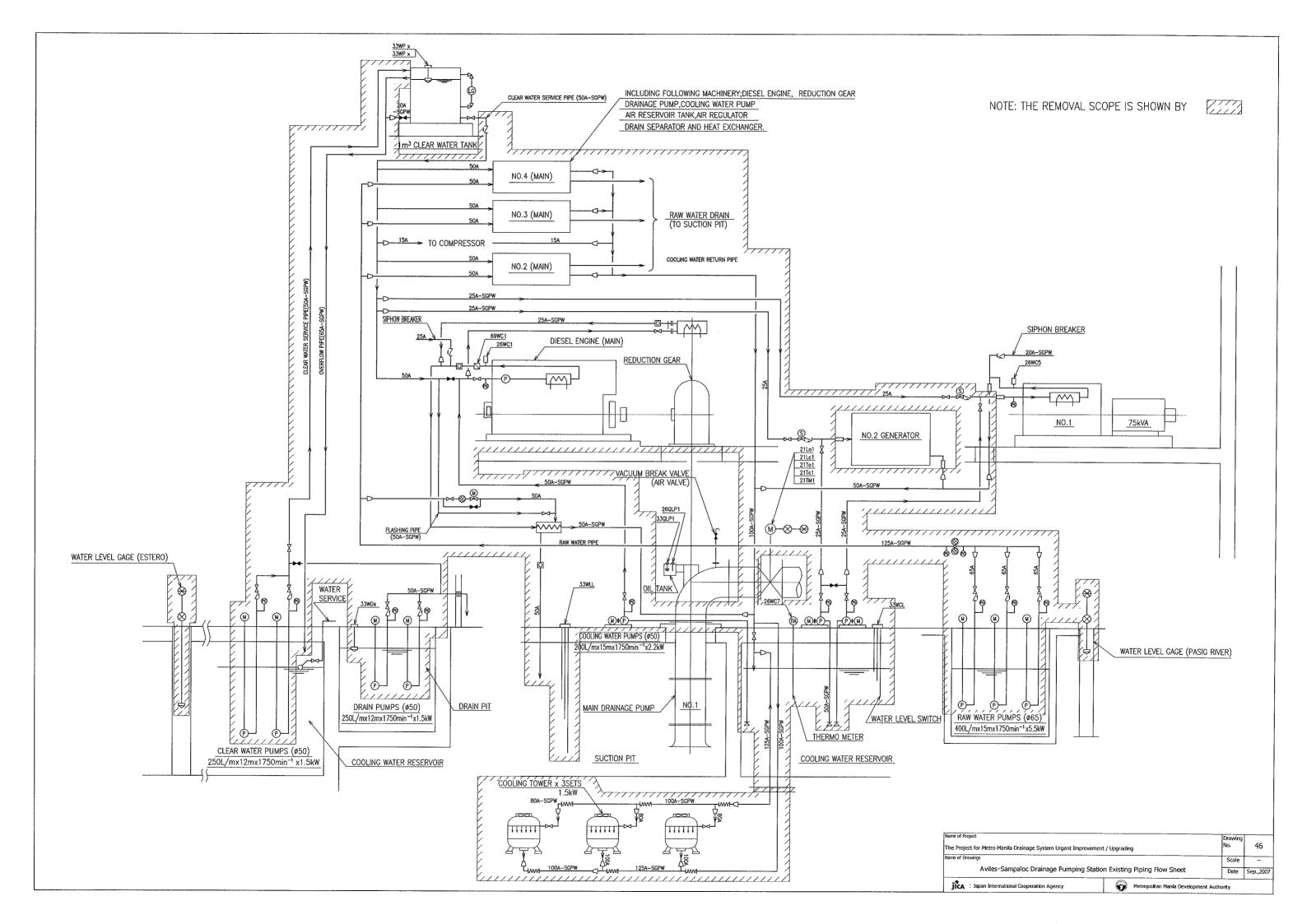
Name of Project		Drawing	1
The Project for Metro Manila Drainage System Urgent Impro	vernent / Upgrading	No.	44
Name of Drawings		Scale	1/100
Aviles · Sampaloc Drainage Pumping Statio	on Existing Pump Floor General Layout	Date	Sep.,2007
JiCA : Japan International Cooperation Agency	Metropolitan Manila Development Ar	uthority	I

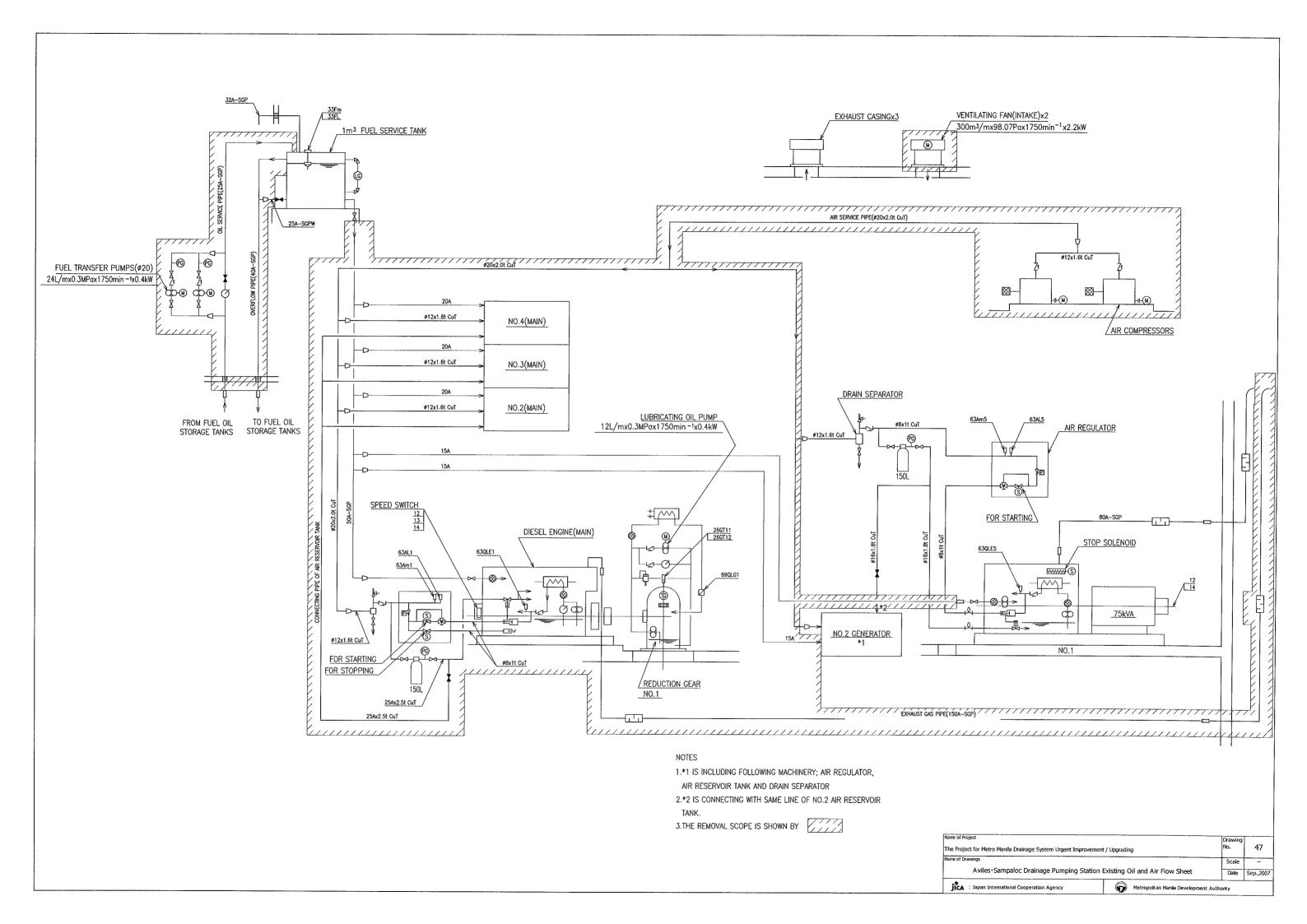


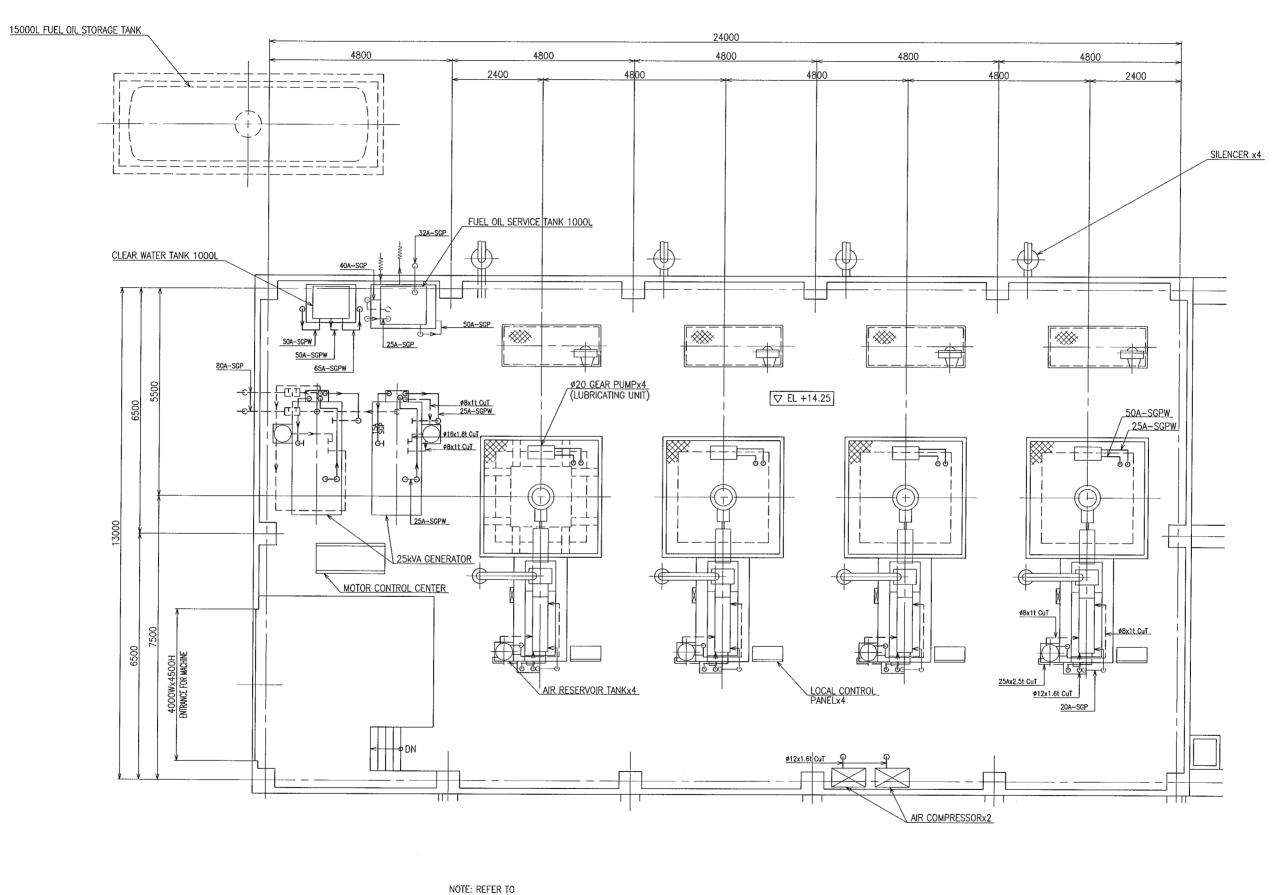
NOTE: THE REMOVAL SCOPE IS SHOWN BY

SEC Z Z

Name of Project	Drawing	
The Project for Metro Manila Drainage System Urgent Improvement / Upgrading	No.	45
Name of Drawings	Scale	1/100
Aviles-Sampaloc Drainage Pumping Station Existing El	evation View Date Se	p.,2007
ICA : Japan International Cooperation Agency Metr	politan Mania Development Authority	







TE: REFER TO

"EXISTING FLOW SHEET"

"EXISTING OIL AND AIR LINE FLOW SHEET"

"ENGINE FLOOR EXISTING GENERAL ARRANGEMENT"

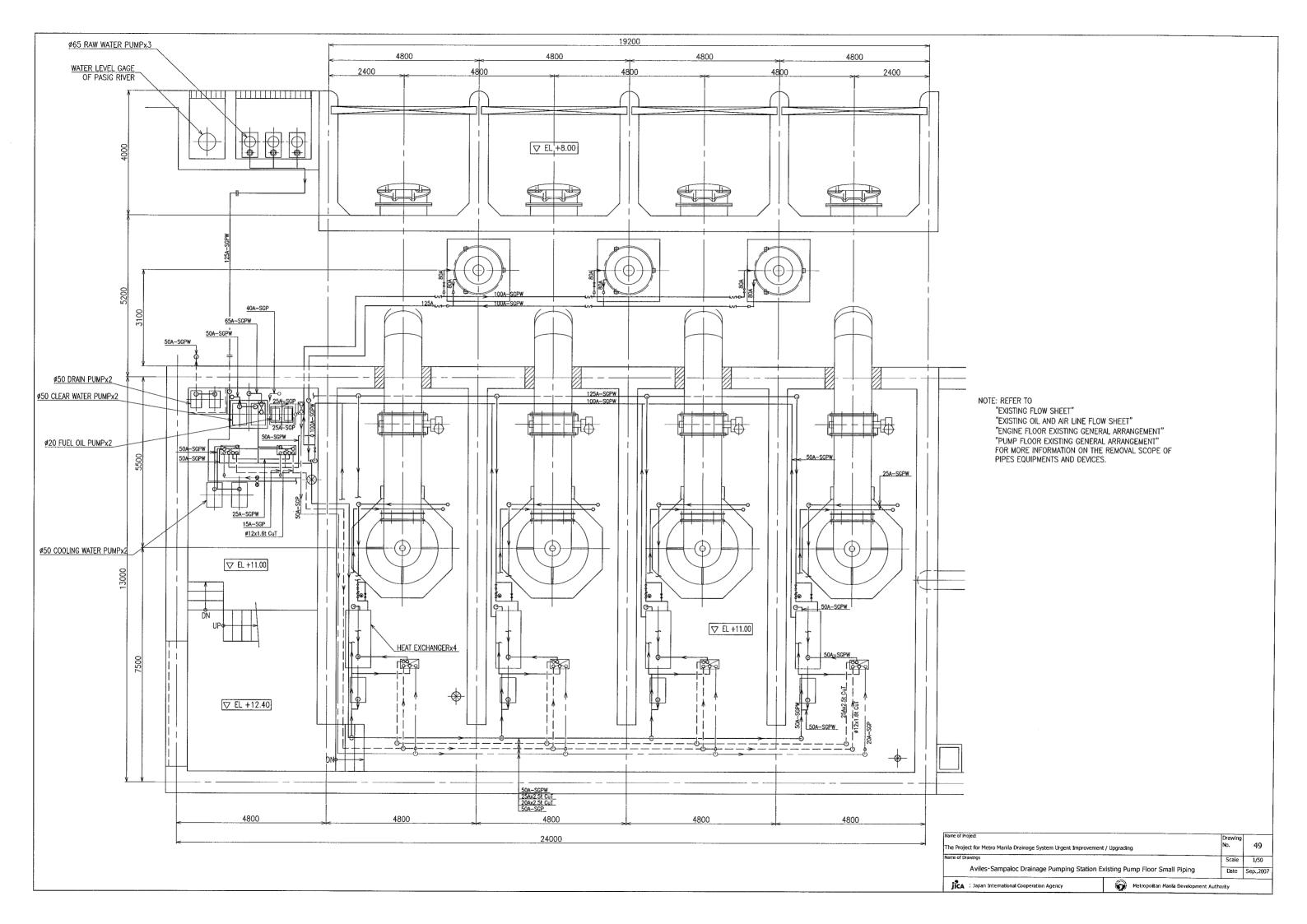
"PUMP FLOOR EXISTING GENERAL ARRANGEMENT"

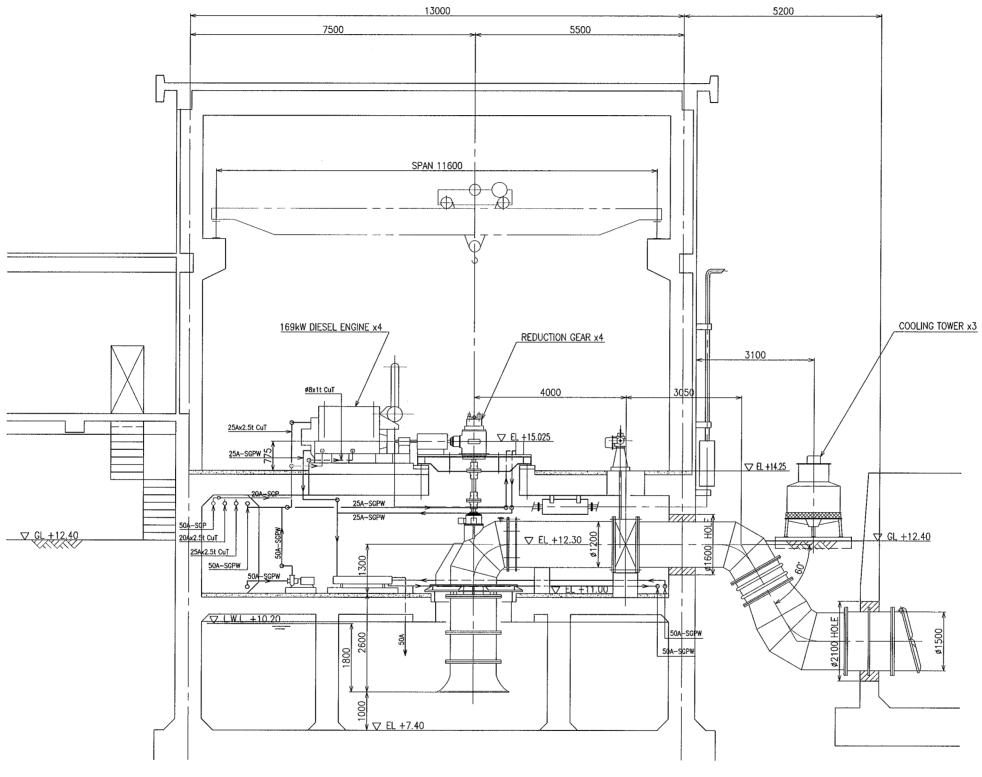
FOR MORE INFORMATION ON THE REMOVAL SCOPE OF PIPES EQUIPMENTS AND DEVICES.

Name of Project
The Project for Metro Manila Drainage System Urgent Improvement / Upgrading
No. 48
Name of Drawings
Aviles Sampaloc Drainage Pumping Station Existing Engine Floor Small Piping

Aviles Sampaloc Drainage Pumping Station Existing Engine Floor Small Piping

Metropolkan Mania Development Authority



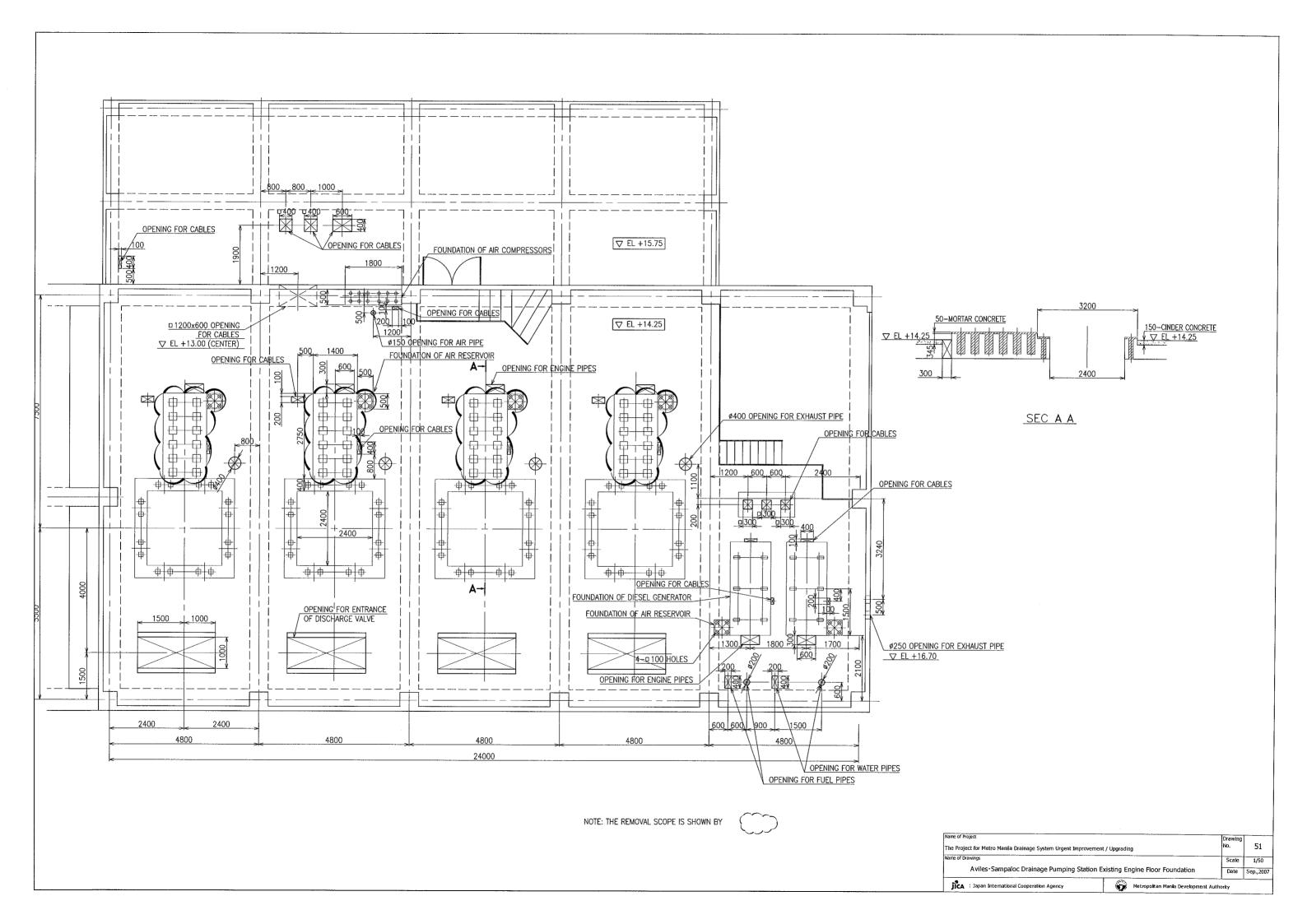


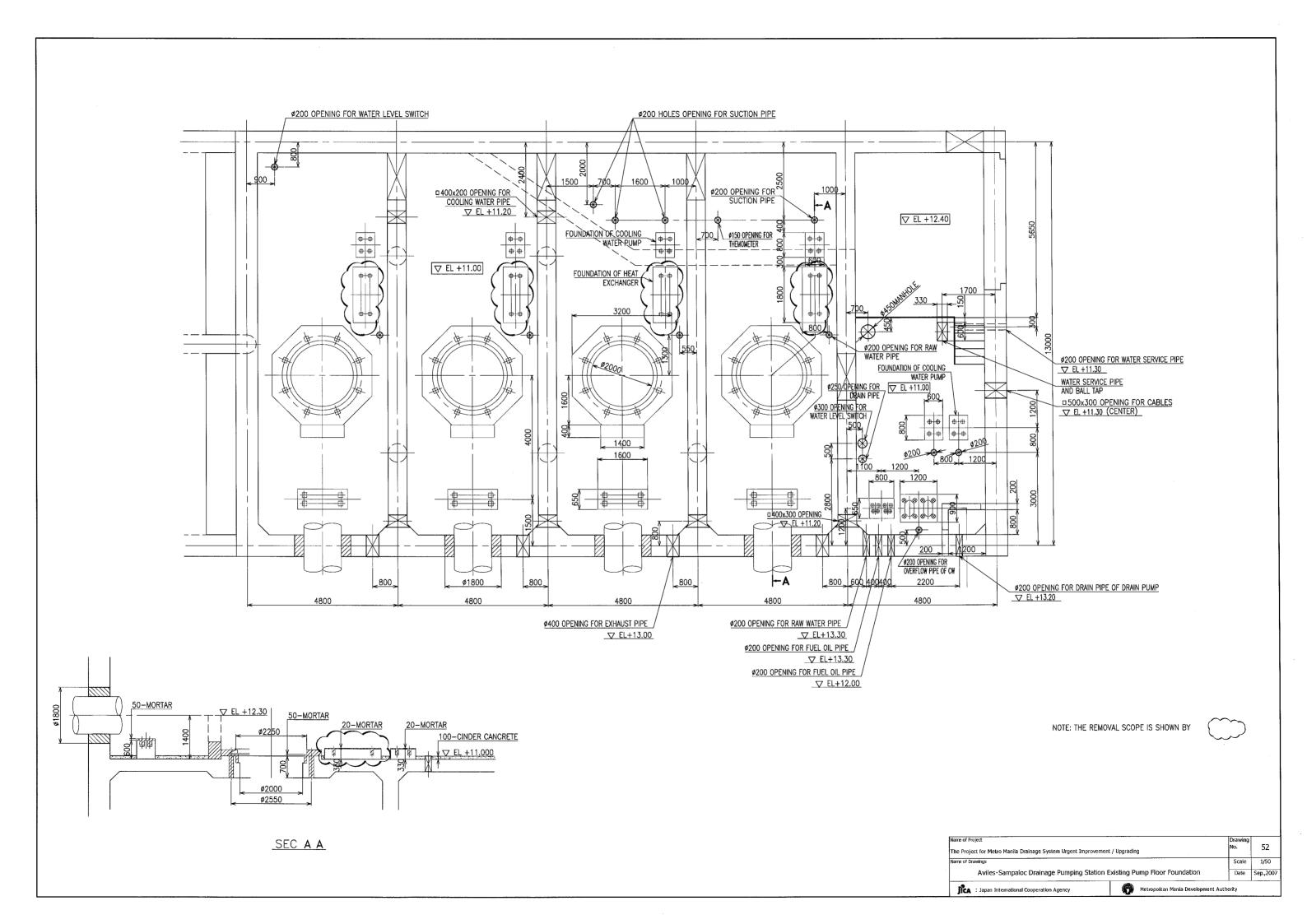
NOTE: REFER TO
"EXISTING FLOW SHEET"
"EXISTING OIL AND AIR LINE FLOW SHEET"

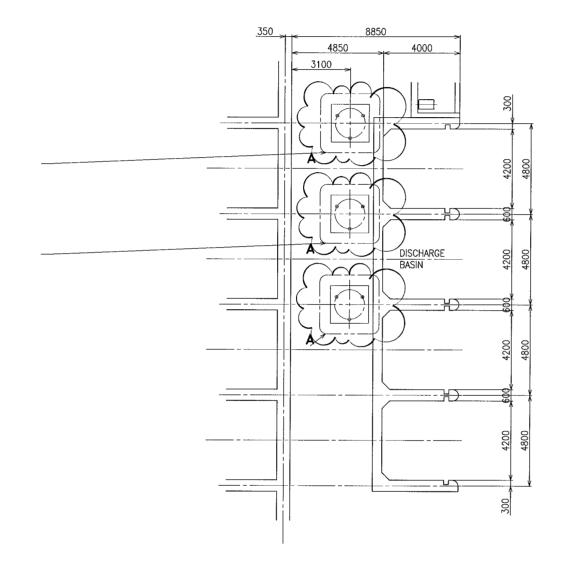
"ENGINE FLOOR EXISTING GENERAL ARRANGEMENT"

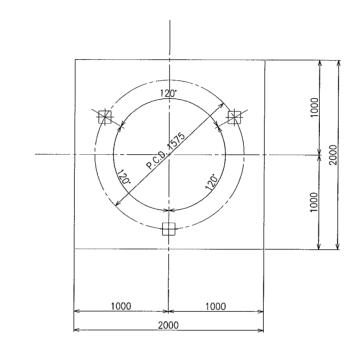
"PUMP FLOOR EXISTING GENERAL ARRANGEMENT"
FOR MORE INFORMATION ON THE REMOVAL SCOPE OF PIPES EQUIPMENTS AND DEVICES.

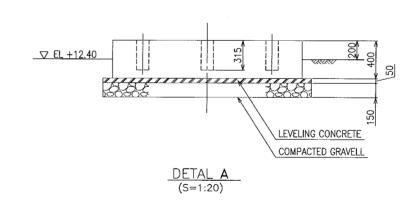
FO	Drawing
50	No.
ale 1/50	Scale
ate Sep.,200	Date
ite	Date







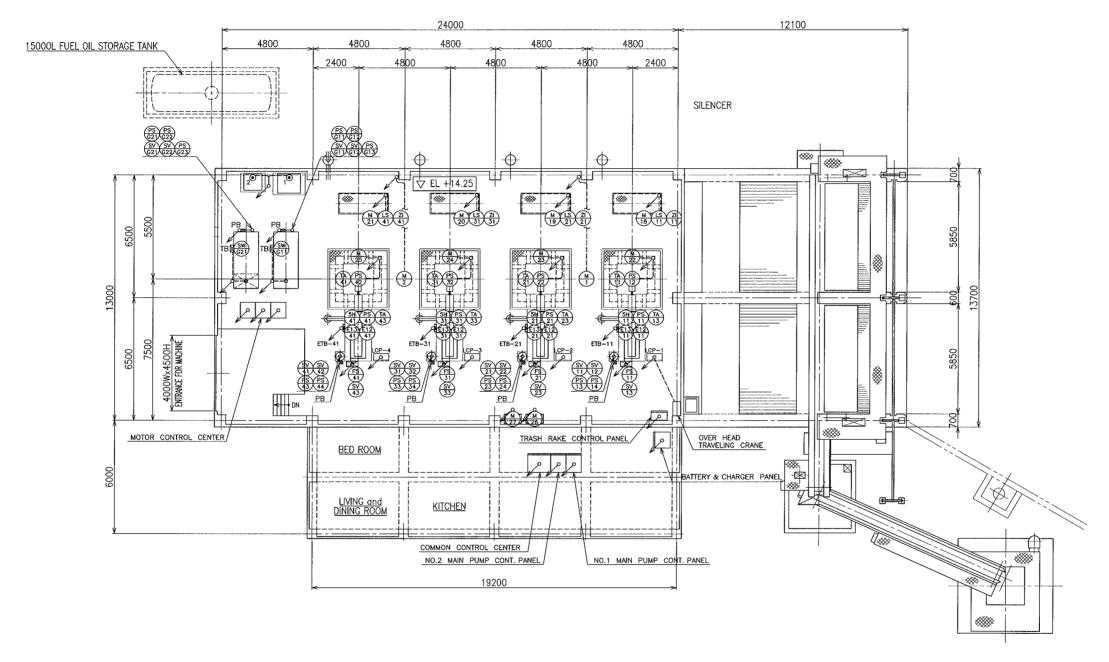




NOTE: THE REMOVAL SCOPE IS SHOWN BY

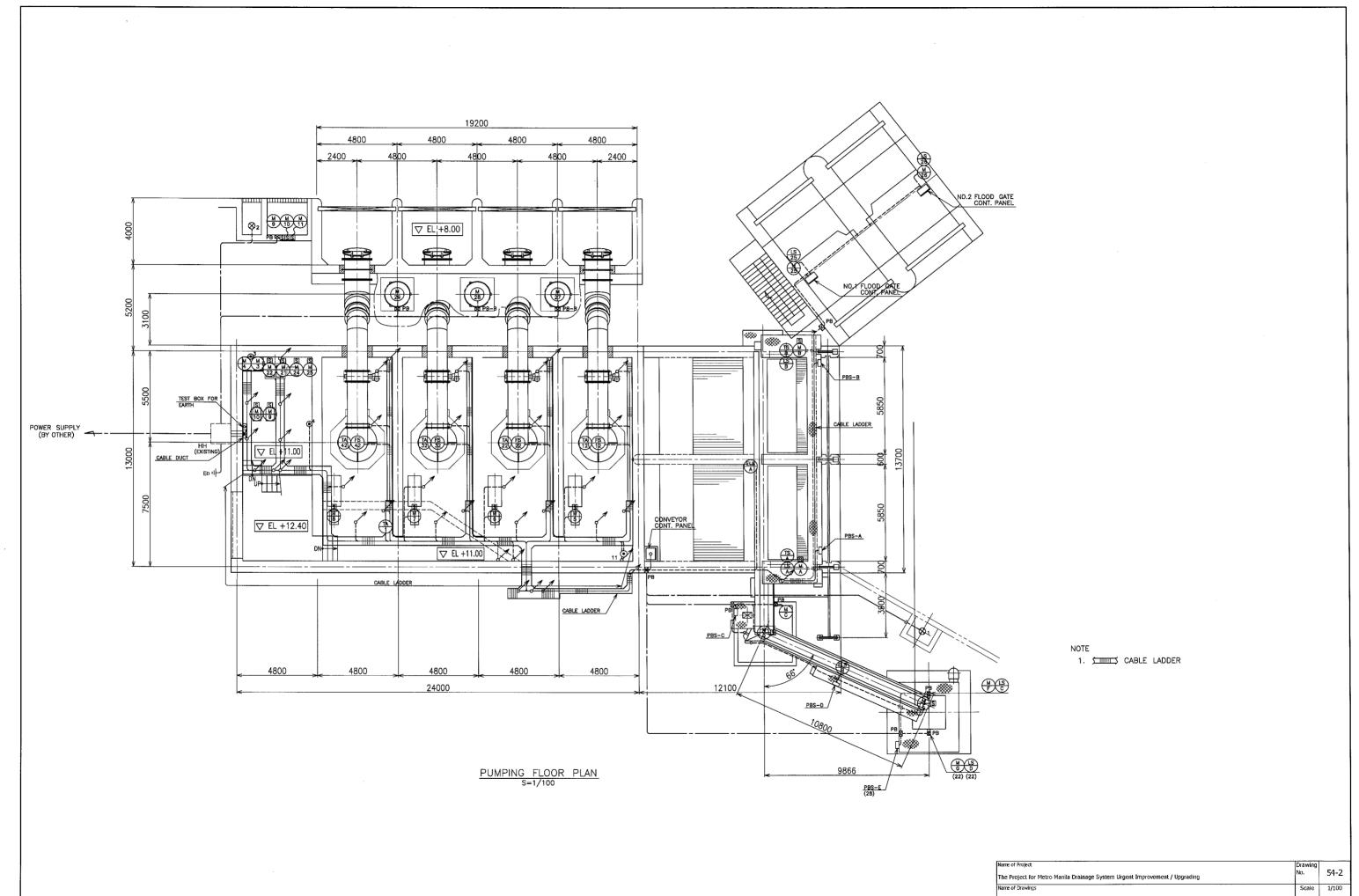


me of Project		Drawing	
e Project for Metro Manila Drainage System Urgent Impro	vement / Upgrading	No.	53
me of Drawings		Scale	1/100
Aviles · Sampaloc Drainage Pumping Stati	on Existing Cooling Tower Foundation	Date	Sep.,2007
ICA : Japan International Cooperation Agency	Metropolitan Mania Development A	uthority	L



ENGINE FLOOR PLAN S=1/100

ame of Project		Drawing	
he Project for Metro Manila Drainage System Urgent Improv	ement / Upgrading	No.	54-1
ame of Drawings	Scale	1/100	
Aviles · Sampaloc Drainage Pumping Si	tation Existing Wiring Layout(1/2)	Date	Sep.,2007
JiCA : Japan International Cooperation Agency	Metropolitan Manila Developmen	t Authority	



YMBOL	FROM	то	CABLE SPEC.	CONDUIT	GROUNDING WIRE	REMARKS
(M)	NO.1 VENTILATION FAN	MOTOR CONTROL CENTER	600V CV 2 - 3C	(28)	IV 2 □	2.2kW
$\frac{M}{2}$	NO.2	Į.				
(M) (M) (4)	NO.1 RAW WATER VALVE	NO.1 LOCAL CONT. PANEL				
(A)	NO.2	NO.2				
M/ ₅	NO.3	NO.3		_	 	
(6)	NO.4	NO.4			1 -	
(F)	NO.1 DRAIN PUMP	MOTOR CONTROL CENTER			 	1.5kW
(A)	NO.2	MOTER SORTING SERVER		 -	-	1.564
(N)	NO.1 RAW WATER PUMP	 	600V CV 55 ⁻⁰ - 3C	 -	1 V E ED	V
M	NO.2		0007 CV 55 5C		IV 5.5°	5.5kW
(A)						
₩	NO.3		V		V	₩
₹	NO.1 COOLING WATER PUMP		600V CV 3.5 - 3C		IV 2 D	2.2kW
\$	NO.2					
(4)	NO.3					
(1)	NO.4					
M 18	NO.5					
(N)	NO.8					↓
(M)	NO.1 DISCHRAGE VALVE					1.5kW
M	NO.2			T		
(M) 20	NO.3					
M 21	NO.4					
M/ 22 M/ 23	NO.1 LUBE OIL PUMP FOR REDUCTION GEAR				 	0.4kW
(A)	NO.2					
	NO.3				 	
M 24 M 25	NO.4				 	
(A) (M) (26)	NO.1 AIR COMPRESSOR		600V CV 35° - 3C	 	IV 3.5°	3.7kW
28 M 27	NO.2		0007 07 33 30		17 3.5	3./KVV
27) M 28	NO.1 CLEAR WATER PUMP		8001/ 01/ 0.5 00		V	
28 M 29			600V CV 2 ⁻ - 3C		IV 2 "	1.5kW
29 X 30	NO.2				ļļ	V
37	NO.1 FUEL OIL TRANSFER PUMP				 	0.4kW
M 31	NO.2				 	¥
	NO.1 FLOOD GATE CONT. PANEL					2.2kW
	NO.2					V
	NO.1 COOLING TOWER					1.5kW
35 M 36	NO.2					
M 36	NO.3	V	<u> </u>	v		. ↓
<u>س</u>	NO.1 FLOOD GATE	NO.1 FLOOD GATE CONT. PANEL	600V CV 3.5 - 3C	(22)	IV 3.5□	
(N) 33	NO.2	NO.2	V			
			•	1		
⊠ 1	OVER HEAD TRAVELING CRANE	MOTOR CONTROL CENTER	600V CV 8 a - 3C	(28)	IV 5.5°	
	TRASH RAKE CONT. PANEL		600V CV 14 - 3C	(36)		
	CONVEYOR CONT. PANEL			1 1		
$\neg \uparrow$		<u> </u>	- V	¥	+¥	
				 		
<u>₩</u>	NO.1 TRASH RAKE	TRACH DAVE COUT DAVE	600// 0// 250 00	(00)	D/ 0.50	
╬┈┼		TRASH RAKE CONT. PANEL	600V CV 3.5° - 3C	(22)	IV 3.5°	
*	NO.2					
- 	DRAINAGE PUMP	V				
<u> </u>	HORIZONTAL CONVEYOR	CONVEYOR CONT. PANEL				
E)	INCLINED CONVEYOR					
* +		I I	1 1	1 1	1 1	
\sim	NO.1 HOPPER					

SYMBOL	FROM	то	CABLE SPEC.	CONDUIT	GROUNDING WIRE	REMARKS
	NO.1 GENERATOR	MOTOR CONTROL CENTER	600V CV 200 a - 3C		IV 22 [□]	
	NO.2				T I	
					'	
	BATTERY & CHARGER PANEL	MOTOR CONTROL CENTER	600V CV 14 - 3C			
		NO.1 GENERATOR	600V CV 3.5 - 2C			
		NO.2				
		NO.1 MAIN PUMP CONT. PANEL	600V CV 3.5 - 2C x 2			
		NO.2	Ţ.	 		
	COMMON CONT. PANEL	MOTOR CONTROL CENTER	600V CV 14 ⁻ - 2C			
			600V CV 3.5 - 2C			
-			600V CV 3.5° - 3C x 4			
	NO.1 MAIN PUMP CONT. PANEL		600V CV 14 - 2C			
	MOTOR CONTROL CENTER	COMMON CONT. PANEL	CVV 2 ⁻⁰ - 30C			
			CVV 2 - 15C x 2	-	<u> </u>	
			CVV 2 - 6C			
		NO.1 MAIN PUMP CONT. PANEL	CVV 2 ° - 6C x 4			
		JOHN TOM CONT. PANEL	CVV 2 ^{II} - 10C x 2			
		NO.2 MAIN PUMP CONT. PANEL	CVV 2 - 6C x 4	+	-	
		NO.2 MAIN FOMP CONT. PANEL				
	ļ	- 	CVV 2 10C x 2			
LCP '	NO 1 LOCAL COUT DAVIE	MOTOR CONTROL CT	0)0/00 00 1	-		
LCP - 1	NO.1 LOCAL CONT. PANEL	MOTOR CONTROL CENTER	CVV 2 - 3C x 4	-		
		NO.1 MAIN PUMP CONT. PANEL	CVV 2 2C x 2		ļ	
			600V CV 3.5 - 2C			
	<u> </u>	↓	CVV 2 - 15C x 3			
			2000	-		
LCP - 2	NO.2 LOCAL CONT. PANEL	MOTOR CONTROL CENTER	CVV 2 ⁻ - 3C x 4			
		NO.1 MAIN PUMP CONT. PANEL	CVV 2 - 2C x 2			
			600V CV 3.5 - 2C			
	↓	v	CVV 2°- 15C x 3			
			<u> </u>			
LCP - 3	NO.3 LOCAL CONT. PANEL	MOTOR CONTROL CENTER	CVV 2°- 3C x 4			
		NO.2 MAIN PUMP CONT. PANEL	CVV 2 - 2C x 2			
			600V CV 3.5° - 2C			
	v	↓	CVV 2 a 15C x 3			
LCP ~ 4	NO.4 LOCAL CONT. PANEL	MOTOR CONTROL CENTER	CVV 2 - 3C x 4	4		
		NO.2 MAIN PUMP CONT. PANEL	CVV 2 2C x 2			
			600V CV 3.5° - 2C			
	V	<u> </u>	CVV 2 15C x 3			
	NO.1 GENERATOR	COMMON CONT. PANEL	CVV 2 - 12C			
	NO.2		ļ			
	BATTERY & CHARGER PANEL		600V CV 3.5° - 2C x 2			
	NO.1 FLOOD GATE PANEL		CVV 2 - 4C			
			CVV 2 - 8C			
	NO.2 FLOOD GATE PANEL		CVV 2 - 4C			
	· · · · · · · · · · · · · · · · · · ·		CVV 2 - 8C			
PBS - A	NO.1 TRASH RAKE PBS	TRASH RAKE CONT. PANEL	CVV 2 - 10C	(28)		
BS - B	NO.2					
BS - C	HORIZONTAL CONVEYOR PBS	CONVEYOR CONT. PANEL				
PBS - D	INCLINED CONVEYOR PBS					
PBS - E	HOPPER PBS					
			ļ	¥		

lame of Project		Drawing	
The Project for Metro Manila Drainage System Urgent Impro	wement / Upgrading	No.	55-1
lame of Drawings		Scale	
Aviles · Sampaloc Drainage Pumping	Station Existing Wiring Table(1/3)	Date	Sep.,2007
jica : Japan International Cooperation Agency	Metropolitan Manila Development	Authority	

SYMBOL	FROM		то	CABL	SPEC.	CONDUIT	GROUNDING WIRE	REMARKS
(f)	NO.1 DISCHARGE VALVE (LS)	MOTOR CONTR	ROL CENTER	CVV 2	³ - 4C	(22)		
4	(ZI)	NO.1 MAIN PU	MP CONT. PANEL	CVV 2	0- 5C x 2	(22) x2		
(S)	NO.2 DISCHARGE VALVE (LS)	MOTOR CONTR	ROL CENTER	CVV 2	3- 4C	(22)		
(ŽÍ) (21)	(ZI)	NO.1 MAIN PU	MP CONT. PANEL	CVV 2	3- 5C x 2	(22) x2		
(F)	NO.3 DISCHARGE VALVE (LS)	MOTOR CONTR	ROL CENTER	CVV 2 ^t	³ - 4C	(22)		
ŽÎ 31	(ZI)	NO.2 MAIN PUR	MP CONT. PANEL	CVV 2°	3- 5C x 2	(22) x2		
(F)	NO.4 DISCHARGE VALVE (LS)	MOTOR CONTR	ROL CENTER	CVV 2 ^t	1- 4C	(22)		
(ŽÍ)	(ZI)	NO.2 MAIN PUR	MP CONT. PANEL	CVV 2 ^r	3- 5C x 2	(22) x2		
⊙ 11	SUCTION PIT LEVEL DETECTOR	NO.1 MAIN PU	MP CONT. PANEL	CVV 2°	ı – 3C	(22)		ELECTRODE 3P
1	NO.1 HANDLE FORLS			CVV 2 ^r	- 2C	(54) ※1		ETB-11
(\$\vert{V})	NO.1 ENGINE STOP VALVE					(22)		
(SV)	NO.1 ENGINE START VALVE			,	,			
(f)	NO.1 ENGINE			CVV 2	- 3C	※ 1		ETB-11
(F)	NO.1 ENGINE FLOW SWITCH			CVV 2°	- 2C	(22)		
(FS)	NO.1 ENGINE LUBE OIL P. SWITCH			CVV 2°	- 3C	% 1		ETB-11
PS 12	NO.1 G. B. LUBE OIL P. SWITCH		V	CVV 2 ^r	- 2C	(22)		
<u></u>	NO.1 G. B. LUBE OIL TEMP.	NO.1 LOCAL CO	ONT. PANEL	CVV 2 ^r	~ 2C	(22)		
(FS)	NO.1 AIR TANK P.S			CVV 2 ^E	- 2C x 2	(22) x 2		
(1)	NO.1 ENGINE			CVV 2°	- 2C	※ 1		ETB-11
(FS) 12)	NO.1 G. B. WATER FLOW SWITCH					(22)		
(TA)	NO.1 PUMP BEARING TEMP.					V		
(Ā) 13	NO.1 ENGINE LUBE OIL TEMP.		<u> </u>	i	1	※ 1		ETB-11
/PS\	NO 4 AVD TANK D CHITCH			0104.05		(00)		
(%) (%) (%)	NO.1 AIR TANK P. SWITCH	COMMON CONT		CVV 2		(22)		
13)	NO.1 CLEAR WATER SV	NO.1 LOCAL CO	ONT. PANEL	CVV 2 ^c	- 20	(22)	_	
5H 21	NO A LIMBOLE FOR O		IP CONT. PANEL	CVV 2 ⁻¹	- 20	(54) %2		ETD 01
SSN -					20	(04) 262		ETB-21
	NO.2 HANDLE FORLS	NO.1 MAIN PUN	- OOITH PARES			(22)		
21 SV	NO.2 ENGINE STOP VALVE	NO.1 MAIN PUN	J. JOHN. PARES			(22)		
(SV)	NO.2 ENGINE STOP VALVE NO.2 ENGINE START VALVE	NO.1 MAIN PUN			- 30			ETO_91
\$V 22 £13 21	NO.2 ENGINE STOP VALVE NO.2 ENGINE NO.2 ENGINE	NO.1 MAIN PUN		CVV 2 ⁻¹		¥2		ETB-21
8822 13 11 12 12 13 12 13 12 13 12 13 12 13 13 14 14 14 14 14 14 14 14 14 14 14 14 14	NO.2 ENGINE START VALVE NO.2 ENGINE NO.2 ENGINE NO.2 ENGINE FLOW SWITCH	NO.1 MAIN PUN		CVV 2 ⁿ	- 2C	*2 (22)		
	NO.2 ENGINE START VALVE NO.2 ENGINE NO.2 ENGINE NO.2 ENGINE FLOW SWITCH NO.2 ENGINE LUBE OIL P. SWITCH	NO.1 MAIN PUN		CW 2 ⁿ CW 2 ⁿ CW 2 ⁿ	- 2C - 3C	*2 (22) *2		ETB-21
	NO.2 ENGINE START VALVE NO.2 ENGINE NO.2 ENGINE NO.2 ENGINE FLOW SWITCH	NO.1 MAIN PUN	V	CVV 2 ⁿ	- 2C - 3C	*2 (22)		
83 E 3 E 3 E 3	NO.2 ENGINE START VALVE NO.2 ENGINE NO.2 ENGINE NO.2 ENGINE FLOW SWITCH NO.2 ENGINE LUBE OIL P. SWITCH	NO.2 LOCAL CO	V	CW 2 ⁿ CW 2 ⁿ CW 2 ⁿ	- 2C - 3C - 2C	%2 (22) %2 (22)		
83 E 3 E 3 E 3	NO.2 ENGINE STOP VALVE NO.2 ENGINE START VALVE NO.2 ENGINE NO.2 ENGINE FLOW SWITCH NO.2 ENGINE LUBE OIL P. SWITCH NO.2 G. B. LUBE OIL P. SWITCH		V	CW 2 ⁿ CW 2 ⁿ CW 2 ⁿ CW 2 ⁿ	- 2C - 3C - 2C	*2 (22) *2		
\$\\\ 2\\\ 2\\\ 2\\\ 2\\\ 2\\\ 2\\\ 2\\\	NO.2 ENGINE STOP VALVE NO.2 ENGINE START VALVE NO.2 ENGINE NO.2 ENGINE FLOW SWITCH NO.2 ENGINE LUBE OIL P. SWITCH NO.2 G. B. LUBE OIL P. SWITCH NO.2 G. B. LUBE OIL TEMP.		V	CW 2 ⁿ CW 2 ⁿ CW 2 ⁿ CW 2 ⁿ	- 2C - 3C - 2C - 2C - 2C × 2	%2 (22) %2 (22) (22) (22) x 2		
\$ 2	NO.2 ENGINE STOP VALVE NO.2 ENGINE START VALVE NO.2 ENGINE NO.2 ENGINE FLOW SWITCH NO.2 ENGINE LUBE OIL P. SWITCH NO.2 G. B. LUBE OIL P. SWITCH NO.2 G. B. LUBE OIL TEMP. NO.2 AIR TANK P. S		V	CW 2 ⁿ	- 2C - 3C - 2C - 2C - 2C × 2	(22) (22) (22) (22)		ETB-21
\$ 2	NO.2 ENGINE STOP VALVE NO.2 ENGINE NO.2 ENGINE NO.2 ENGINE FLOW SWITCH NO.2 ENGINE LUBE OIL P. SWITCH NO.2 G. B. LUBE OIL P. SWITCH NO.2 G. B. LUBE OIL TEMP. NO.2 AIR TANK P. S NO.2 ENGINE		V	CW 2 ⁿ	- 2C - 3C - 2C - 2C - 2C × 2	%2 (22) %2 (22) (22) (22) x 2 %2		ETB-21
\$\\\ 2\\\ 2\\\ 2\\\ 2\\\ 2\\\ 2\\\ 2\\\	NO.2 ENGINE START VALVE NO.2 ENGINE START VALVE NO.2 ENGINE NO.2 ENGINE FLOW SWITCH NO.2 G. B. LUBE OIL P. SWITCH NO.2 G. B. LUBE OIL TEMP. NO.2 AIR TANK P. S NO.2 ENGINE NO.2 G. B. WATER FLOW SWITCH		V	CW 2 ⁿ	- 2C - 3C - 2C - 2C - 2C × 2	(22) (22) (22) (22) (22) (22) (22) (22)		ETB-21
83 E 3 E 3 E 3	NO.2 ENGINE START VALVE NO.2 ENGINE START VALVE NO.2 ENGINE NO.2 ENGINE FLOW SWITCH NO.2 G.B. LUBE OIL P. SWITCH NO.2 G.B. LUBE OIL P. SWITCH NO.2 AIR TANK P.S NO.2 ENGINE NO.2 G.B. WATER FLOW SWITCH NO.2 Q.B. WATER FLOW SWITCH NO.2 PUMP BEARING TEMP.		V	CW 2 ⁿ	- 2C - 3C - 2C - 2C - 2C × 2	%2 (22) %2 (22) (22) (22) x 2 %2		ETB-21
	NO.2 ENGINE START VALVE NO.2 ENGINE START VALVE NO.2 ENGINE NO.2 ENGINE FLOW SWITCH NO.2 G.B. LUBE OIL P. SWITCH NO.2 G.B. LUBE OIL P. SWITCH NO.2 AIR TANK P.S NO.2 ENGINE NO.2 G.B. WATER FLOW SWITCH NO.2 Q.B. WATER FLOW SWITCH NO.2 PUMP BEARING TEMP.		V DNT. PANEL	CW 2 ⁿ	- 2C - 3C - 2C - 2C - 2C × 2 - 2C	(22) (22) (22) (22) (22) (22) (22) (22)		ETB-21
	NO.2 ENGINE STOP VALVE NO.2 ENGINE START VALVE NO.2 ENGINE NO.2 ENGINE FLOW SWITCH NO.2 ENGINE LUBE OIL P. SWITCH NO.2 G. B. LUBE OIL P. SWITCH NO.2 G. B. LUBE OIL TEMP. NO.2 AIR TANK P. S NO.2 ENGINE NO.2 PUMP BEARING TEMP. NO.2 ENGINE LUBE OIL TEMP.	NO.2 LOCAL CO	V ONT. PANEL V PANEL	CW 2 ⁿ	- 2C - 3C - 2C - 2C - 2C × 2 - 2C - 2C	(22) (22) (22) (22) (22) (22) (22) (22)		ETB-21
	NO.2 ENGINE START VALVE NO.2 ENGINE NO.2 ENGINE NO.2 ENGINE FLOW SWITCH NO.2 ENGINE LUBE OIL P. SWITCH NO.2 G. B. LUBE OIL P. SWITCH NO.2 G. B. LUBE OIL TEMP. NO.2 AIR TANK P. S NO.2 ENGINE NO.2 PUMP BEARING TEMP. NO.2 AIR TANK P. SWITCH NO.2 AIR TANK P. SWITCH	NO.2 LOCAL CO	V ONT. PANEL V PANEL	CW 2 ⁿ	- 2C - 3C - 2C - 2C - 2C × 2 - 2C - 2C	(22) (22) (22) (22) (22) (22) (22) (22)		ETB-21
	NO.2 ENGINE START VALVE NO.2 ENGINE NO.2 ENGINE NO.2 ENGINE FLOW SWITCH NO.2 ENGINE LUBE OIL P. SWITCH NO.2 G. B. LUBE OIL P. SWITCH NO.2 G. B. LUBE OIL TEMP. NO.2 AIR TANK P. S NO.2 ENGINE NO.2 PUMP BEARING TEMP. NO.2 AIR TANK P. SWITCH NO.2 AIR TANK P. SWITCH	NO.2 LOCAL CO	V ONT. PANEL V PANEL	CW 2 ⁿ	- 2C - 3C - 2C - 2C - 2C × 2 - 2C - 2C	(22) (22) (22) (22) (22) (22) (22) (22)		ETB-21
(S) (2) (S) (2) (S) (2) (S) (2) (S) (S) (S) (S) (S) (S) (S) (S) (S) (S	NO.2 ENGINE START VALVE NO.2 ENGINE NO.2 ENGINE NO.2 ENGINE FLOW SWITCH NO.2 ENGINE LUBE OIL P. SWITCH NO.2 G. B. LUBE OIL P. SWITCH NO.2 G. B. LUBE OIL TEMP. NO.2 AIR TANK P. S NO.2 ENGINE NO.2 PUMP BEARING TEMP. NO.2 AIR TANK P. SWITCH NO.2 AIR TANK P. SWITCH	NO.2 LOCAL CO	V ONT. PANEL V PANEL	CW 2 ⁿ	- 2C - 3C - 2C - 2C - 2C × 2 - 2C - 2C	(22) (22) (22) (22) (22) (22) (22) (22)		ETB-21

SYMBOL	FROM	Т	0	CABLE	SPEC.	CONE	UIT C	GROUNDING	REMARI	(S
	NO.3 HANDLE FORLS	NO.2 MAIN PUM		CW 2°		PIP (54	4) ※3	WIRE	ETB-31	10
(\$)	NO.3 ENGINE STOP VALVE					(22			1.5 0.	
(3) (3) (3) (3) (3) (3) (3) (3) (3) (3)	NO.3 ENGINE START VALVE								 	
(£13)	NO.3 ENGINE			CVV 2	V	X	*3		ETB-31	
(FS)	NO.3 ENGINE FLOW SWITCH			CVV 2° - 2C		(22			1	
PS	NO,3 ENGINE LUBE OIL P. SWITCH			CVV 2 ^r			% 3		ETB-31	
# <u>************************************</u>	NO.3 G. B. LUBE OIL P. SWITCH			CVV 2 ^t		(22			L1D 01	
32)	No. 0 a. b. Lobe Ole 1. Olefoli		·				-			
(Ā)	NO.3 G. B. LUBE OIL TEMP.	NO.3 LOCAL CO	NT PANEL	CVV 2°	- 2C	(22	, +		 	
(A) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C	NO.3 AIR TANK P. S	110.0 200/12 00		 	- 20 x 2	(22)				-
E12	NO.3 ENGINE			CVV 2 ^r		(22)			ETD 25	
FS	NO.3 G. B. WATER FLOW SWITCH			044.2	- 20	/00	<u>**3</u>		ETB-31	
(1A)						(22	2)			
(1A)	NO.3 PUMP BEARING TEMP.					 				
33	NO.3 ENGINE LUBE OIL TEMP.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					※ 3		ETB-31	
(PS)	NO O ATE TANK D OVETON			0,0,0						
(\$V) 33	NO.3 AIR TANK P. SWITCH	COMMON CONT.		CVV 25		(22	-			
33	NO.3 CLEAR WATER SV	NO.3 LOCAL CO	N I . PANEL	CVV 2	~ 2G	(22	.,			
						_				
(SH)				ļ						
(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	NO.4 HANDLE FORLS	NO.2 MAIN PUMP	CONT. PANEL	CVV 2°	- 2C) <u>*</u> 4		ETB-41	
(3¥) (41)	NO.4 ENGINE STOP VALVE					(22)			
(3V)	NO.4 ENGINE START VALVE					- ↓				
(1) (1)	NO.4 ENGINE			CVV 2 ^D	- 3C		※ 4		ETB~41	
(FS) (41)	NO.4 ENGINE FLOW SWITCH			CVV 2 ^a	- 2C	(22)			
(PS)	NO.4 ENGINE LUBE OIL P. SWITCH			CVV 2º	- 3C		※ 4		ETB-41	
(PS) (42)	NO.4 G. B. LUBE OIL P. SWITCH	,		CVV 2 ⁻	- 2C	(22)			
(TA)	NO.4 G. B. LUBE OIL TEMP.	NO.4 LOCAL COL	NT. PANEL	CVV 2º	CVV 2 - 2C)			
(PS) 43	NO.4 AIR TANK P. S			CVV 2º	- 2C x 2	(22)	x 2			
(£12) (41)	NO.4 ENGINE			CVV 2 ⁻	- 2C		※ 4		ETB-41	
(FS)	NO.4 G. B. WATER FLOW SWITCH					(22)			
(TA)	NO.4 PUMP BEARING TEMP.									
(4) (2) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	NO.4 ENGINE LUBE OIL TEMP.						※ 4		ETB-41	
(PS)	NO.4 AIR TANK P. SWITCH	COMMON CONT.	PANEL	CVV 2 ⁻ - 2C		(22))			
(\$\vert{S}\vert{4}\ver	NO.4 CLEAR WATER SV	NO.4 LOCAL COM	T. PANEL		CVV 2 ⁻ - 2C (2					
~							_			
						-	_	·		
							\dashv			
(A)	NO.1 RAW WATER VALVE	NO.1 LOCAL COM	IT. PANEL	600V CV 2 - 2C		(22)	,			
<u>*</u>	NO.2	NO.2		1		 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				
<u> </u>	NO.3	NO.3				+-+	-			
M 4 M 5 M 6	NO.4	NO.4				+				
<u> </u>	y			¥		 				
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Name of Project			
The Project for Metro Manila Drainage System Urgent Improv	ement / Upgrading	No.	55-2
Name of Drawings		Scale	
Aviles · Sampaloc Drainage Pumping S	Station Existing Wiring Table(2/3)	Date	Sep.,2007
ICA : Japan International Cooperation Agency	Metropolitan Manila Developmen	nt Authority	I

SYMBOL	FROM	то	CABLE SPEC.	CONDUIT GROUN	NDING REMARKS
					RE REMARKS
PS GIT	NO.1 GENERATOR AIR TANK P.S	NO.1 GENERATOR	CVV 2 ⁻ – 2C	(22)	
PS G19 PS G31	v	V			
(13)	NO.2 GENERATOR AIR TANK P. S	NO.2 GENERATOR			
PS 622		.	v		
(SW)	NO.1 GENERATOR SWITCH	NO.1 GENERATOR	CVV 2º - 2C	(22)	EXISTING
SV)	NO.1 GENERATOR START VALVE				
**************************************	NO.1 GENERATOR STOP VALVE			 	-
(12) (PS) (G13)		 	0/0/400 000	(22) 2	
ত্ত্য্য	NO.1 GENERATOR AIR TANK SWITCH	¥	CVV 2 ^D - 2C × 2	(22) x 2	
SW G21 SV G21	NO.2 GENERATOR SWITCH	NO.2 GENERATOR	CVV 2 ⁻ - 2C	(22)	EXISTING
(SV) G21	NO.2 GENERATOR START VALVE		1		
SV G22	NO.2 GENERATOR STOP VALVE				
PS 023	NO.2 GENERATOR AIR TANK SWITCH		CVV 2 ^D – 2C × 2	(22) x 2	
(02.9F		¥			
	FLIFE ON TANK LEVE	COMMON CONT DANS	0/// 20 50	(22)	
<u> </u>	FUEL OIL TANK LEVEL	COMMON CONT, PANEL	CVV 2 ⁻ - 5C	(22)	
⊙ ₂	CLEAR TANK LEVEL		CVV 2º - 4C	1 1	
⊙ ₃	DRAIN PIT LEVEL		CVV 2º - 5C		
• 4	COOLING WATER RESERVOR LEVEL		CVV 2º - 4C		
(TA)	COOLING WATER RESERVOR TEMP.		CVV 2 ⁻ - 3C		
•	TECENTOR TEM.	T			
⊗,	SUCTION PIT LEVEL	COMMON CONT. PANEL	CVVS 2 2C	(22)	
			CVVS 2º - 2C		
⊗₂	DISCHARGE PIT LEVEL	COMMON CONT. PANEL	UVVS 2º - 2U	(22)	
- CO					
	NO.1 TRASH RAKE (TS)	TRASH RAKE CONT. PANEL	CVV 2 ⁻ – 2C	(22)	
	(LS)				
(IS)	NO.2 TRASH RAKE (TS)				
LS B	(LS)				
В	V .= .	¥	Ψ	- V	
(LS)	NO 4 HODDED (LO)	CONTEND CONT DAME	0,0,00,00	(00)	
	NO.1 HOPPER (LS)	CONVEYOR CONT. PANEL	CVV 2 ⁿ - 6C	(22)	
LS D	NO.2	. ↓	V	V	
A)	H. CONVEYOR E. ST. LS	CONVEYOR CONT. PANEL	CVV 2 - 2C	(22)	
(ELS)	I. CONVEYOR E. ST. LS	į.	J,		
		T	V	 	
LS 32	NO.1 FLOOD GATE LS	NO.1 FLOOD GATE CONT. PANEL	CVVS 2 ⁻ - 10C	(28)	
U.S 33			3.7.52 100	+ " +	
33	NO.2	NO.2	<u> </u>	V	
	ED	ED MAIN WIRE		IV	/ 38 1
				+	
	LICTOR COUTRO:		<u></u>		/ 30.0
	MOTOR CONTROL CENTER	ED MAIN WIRE		+	/ 38 -
	NO.1 MAIN PUMP CONT. PANEL			IV.	/ 14 0
	NO.2				
	COMMON CONT. PANEL				
	BATTERY & CHARGER PANEL				1
		1		- 	-
				 	
				 	

Name of Project		Drawing	T
The Project for Metro Manila Drainage System Urgent Impro	ovement / Upgrading	No.	55-3
Name of Drawings		Scale	-
Aviles Sampaloc Drainage Pumping	Station Existing Wiring Table(3/3)	Date	Sep.,2007
ICA : Japan International Cooperation Agency	Metropolitan Manila Development Au	thority	

