



PHASE I INVESTMENT PLAN  
(MODULE 1 = 100 MLD)  
PHASE I INVESTMENT PLAN  
(MODULE 2 = 100 MLD)

PAGLA STP GENERAL ARRANGEMENT  
ACTIVATED SLUDGE TREATMENT PROCESS (SBR SYSTEM)  
PHASE I INVESTMENT PLAN (200MLD)

CLIENT



DHAKA WATER SUPPLY AND SEWERAGE AUTHORITY  
WASA BAHABAN  
171/100/1  
80 KASIMANUSUL ISLAM AVENUE 1215  
DHAKA BANGLADESH

CONSULTANT



INSTITUTE OF WATER MODELLING  
HOUSE #06 ROAD#32  
MOHAKHALI DOHS  
DHAKA-1214  
WEBSITE: www.iwm.org

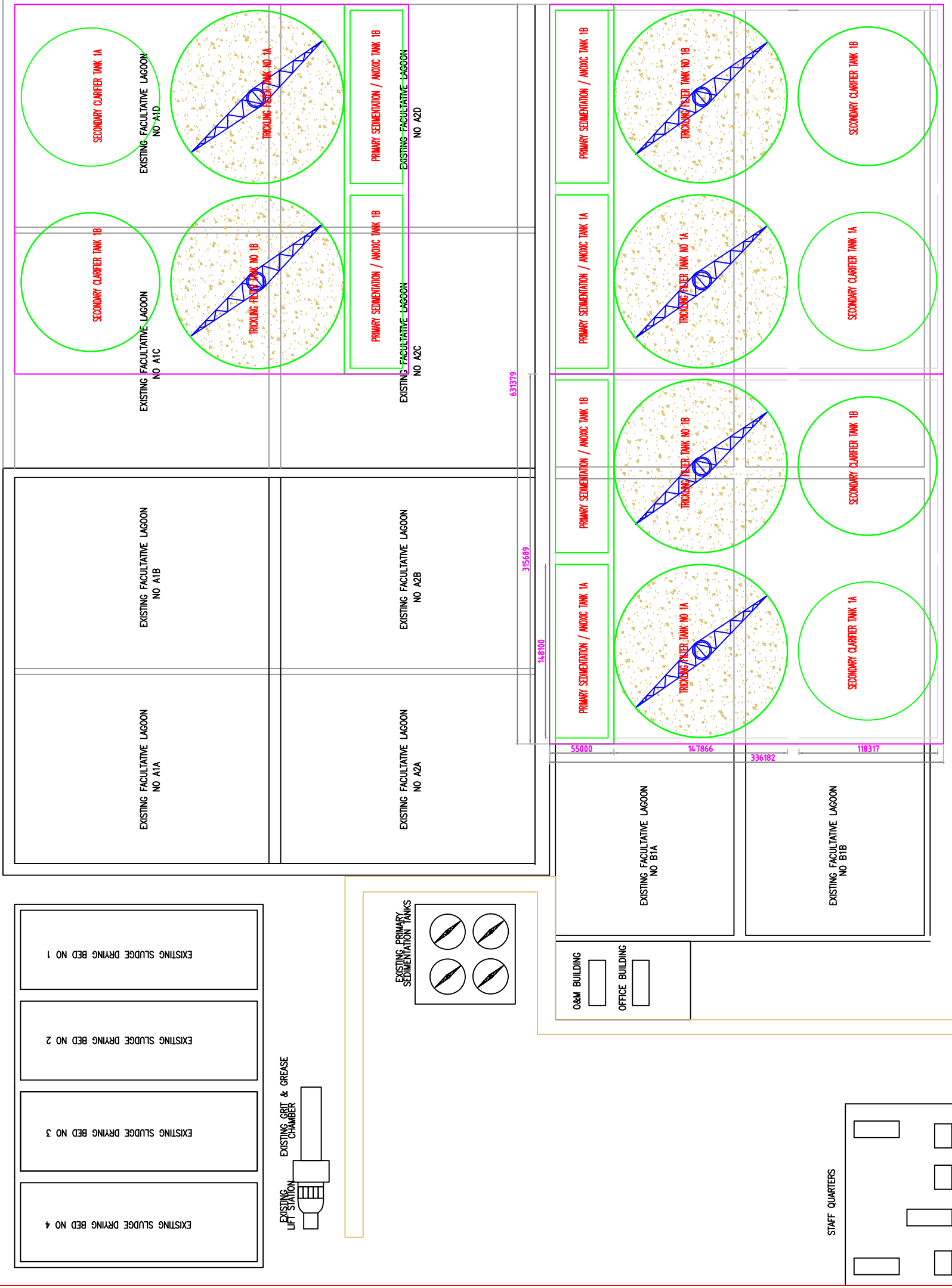
DHAKA SANITATION IMPROVEMENT PROJECT (DSIP)  
ENVIRONMENTAL IMPACT ASSESSMENT (EIA) REPORT

PAGLA STP GENERAL ARRANGEMENT  
PHASE I INVESTMENT PLAN  
TREATMENT CAPACITY 200 MLD

DRAWN BY	A. RAHMAN	DATE	OCT 2018
CHK'D BY	A. RAHMAN	DATE	OCT 2018
APPROVED BY	IR. KHURI PAKNDAK	DATE	OCT 2018
SCALE	1 : 400		
FILE CAD			
SUB NO.			
DRAWING NO.			
INLE 2-14	NILEOWASAPAGLA STRGREN - 01		
REV			
	02		

EXISTING PAGLA STP BOUNDARY

PHASE 2 INVESTMENT PLAN  
(MODULE 3 = 100 MLD)



PHASE 1 INVESTMENT PLAN  
(MODULE 2 = 100 MLD)

PHASE 1 INVESTMENT PLAN  
(MODULE 1 = 100 MLD)

CLIENT



DHAKA WATER SUPPLY AND SEWERAGE AUTHORITY

WASA BAHABAN  
8TH FLOOR  
80 KASIMASRUL ISLAM  
AVENUE-12/5  
DHAKA BANGLADESH

CONSULTANT



INSTITUTE OF WATER MODELLING

HOUSE NO. 10/10/02  
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WEBSITE : www.iwm.org

DHAKA SANITATION IMPROVEMENT PROJECT (DSIP)  
ENVIRONMENTAL IMPACT ASSESSMENT (EIA) REPORT

PAGLA STP GENERAL ARRANGEMENT

PHASE 1 AND PHASE 2 INVESTMENT PLAN

TREATMENT CAPACITY: 300 MLD

DRAWN BY	A. RAHMAN	DATE	OCT 2018
DWG CHK'D BY	A. RAHMAN	DATE	OCT 2018
APPROVED BY	ILKHAIRI PAKIRDAK	DATE	OCT 2018
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FILE C/D			
JOB NO.	NILE/DWASA/PAGLA STP/GEN-01		
DRAWING NO.	02		
REV			

PAGLA STP GENERAL ARRANGEMENT  
ACTIVATED SLUDGE TREATMENT PROCESS (SBR SYSTEM)  
PHASE 2 INVESTMENT PLAN (100 MLD)

STAFF QUARTERS

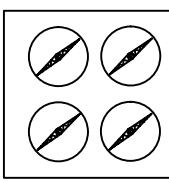
O&M BUILDING

OFFICE BUILDING

EXISTING LIFT STATION

EXISTING GREASE CHAMBER

EXISTING PRIMARY SEDIMENTATION TANKS



EXISTING SLUDGE DRYING BED NO 1

EXISTING SLUDGE DRYING BED NO 2

EXISTING SLUDGE DRYING BED NO 3

EXISTING SLUDGE DRYING BED NO 4

EXISTING FACILITATIVE LAGOON NO A1B

EXISTING FACILITATIVE LAGOON NO A1A

EXISTING FACILITATIVE LAGOON NO A1C

SECONDARY CLARIFIER TANK 1A

SECONDARY CLARIFIER TANK 1B

EXISTING FACILITATIVE LAGOON NO A1D

TRICKING FILTER TANK NO 1B

TRICKING FILTER TANK NO 1A

PRIMARY SEDIMENTATION / ANOXIC TANK 1B

PRIMARY SEDIMENTATION / ANOXIC TANK 1A

EXISTING FACILITATIVE LAGOON NO A2D

EXISTING FACILITATIVE LAGOON NO A2C

EXISTING FACILITATIVE LAGOON NO A2B

EXISTING FACILITATIVE LAGOON NO A2A

PRIMARY SEDIMENTATION / ANOXIC TANK 1B

PRIMARY SEDIMENTATION / ANOXIC TANK 1A

PRIMARY SEDIMENTATION / ANOXIC TANK 1B

PRIMARY SEDIMENTATION / ANOXIC TANK 1A

EXISTING FACILITATIVE LAGOON NO B1A

EXISTING FACILITATIVE LAGOON NO B1B

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147866

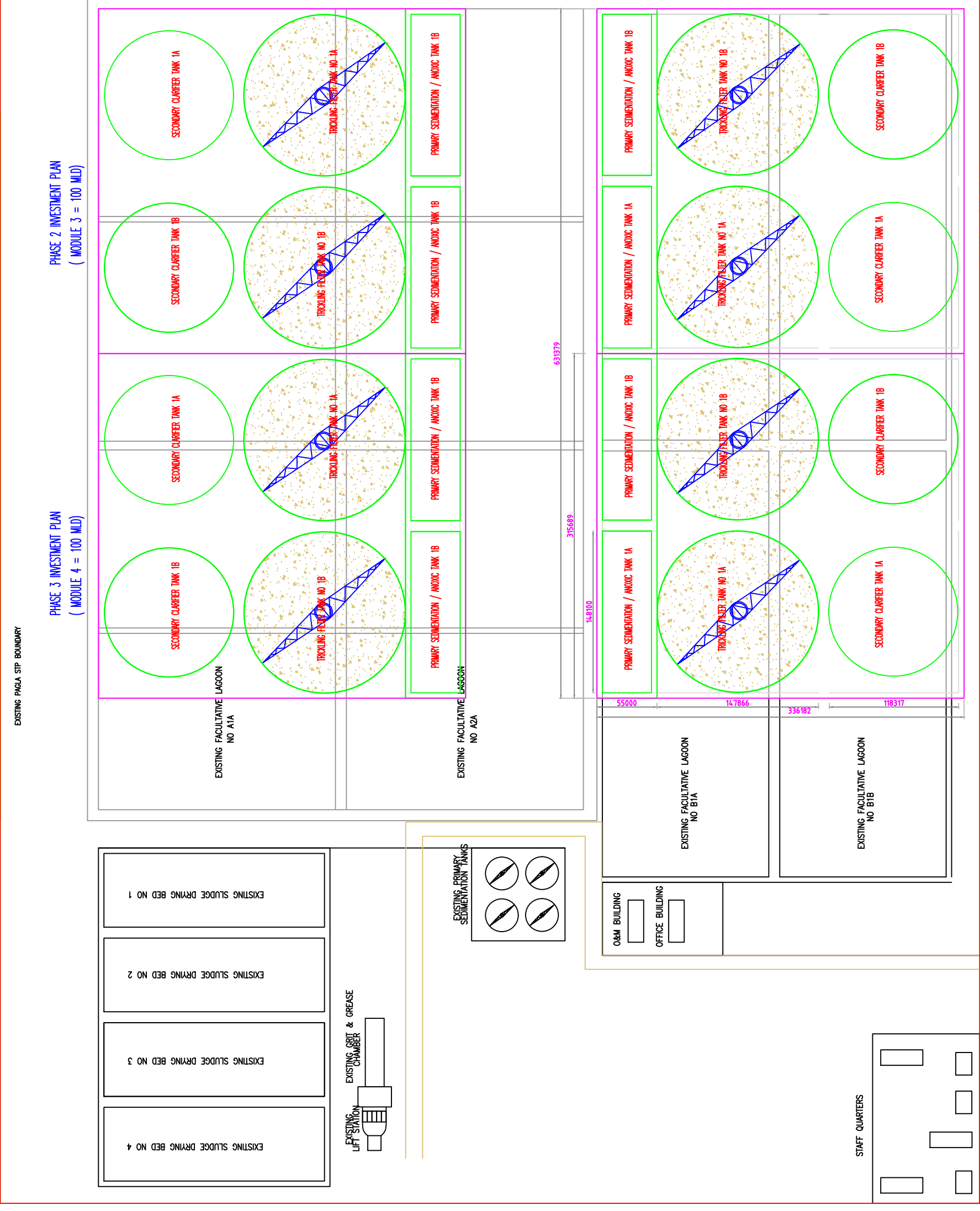
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148100



CLIENT  
  
 DHAKA WATER SUPPLY AND SEWERAGE AUTHORITY  
 WASA BAHABAN  
 8TH FLOOR  
 80 KASI MASRUL ISLAM AVENUE 1215  
 DHAKA BANGLADESH

CONSULTANT  
  
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 HOUSE 106, ROAD 92  
 BANAKHOLA, DOHA  
 QATAR  
 WEBSITE: www.lwma.org

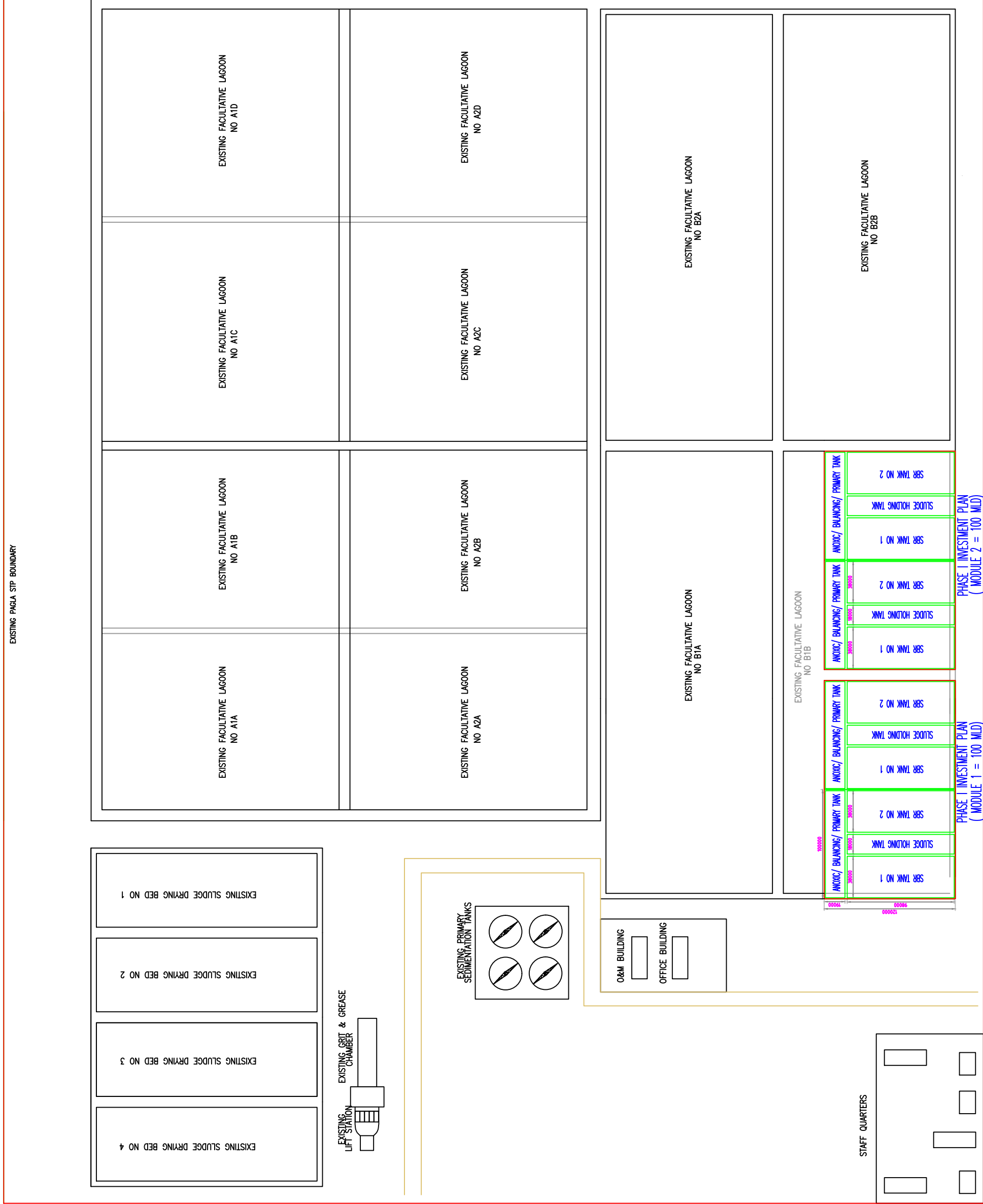
DHAKA SANITATION IMPROVEMENT PROJECT (DSP)  
 ENVIRONMENTAL IMPACT ASSESSMENT (EIA) REPORT

PAGLA STP GENERAL ARRANGEMENT  
 PHASE 1, PHASE 2 AND PHASE 3 INVESTMENT PLAN  
 TREATMENT CAPACITY 400 MLD

DRAWN BY	A. RAHMAN	DATE	OCT 2018
ENG. CHK'D BY	A. RAHMAN	DATE	OCT 2018
APPROVED BY	RIJAZHARI PAKIRGAK	DATE	OCT 2018
SCALE	1 : 400		

FILE CAD	
DWG NO.	DRAWING NO.
REV	REV
FILE 2-14	NILE/DW/SAP/PAGLA STP/GEN-01
	02

PAGLA STP GENERAL ARRANGEMENT  
 ACTIVATED SLUDGE TREATMENT PROCESS (ASBR SYSTEM)  
 PHASE 3 INVESTMENT PLAN (100 MLD)



896900

CLIENT



**DHAKA WATER SUPPLY AND SEWERAGE AUTHORITY**  
 WASA BAHABAN  
 8TH FLOOR  
 80 KASBI NASRULL ISLAM AVENUE 1215  
 DHAKA BANGLADESH

CONSULTANT



**INSTITUTE OF WATER MODELLING**  
 HOUSE #66, ROAD #32  
 MOHACHALI DOHS  
 DHAKA-1214  
 WEBSITE: www.iwamod.org

DHAKA SANITATION IMPROVEMENT PROJECT (DSIP)  
 ENVIRONMENTAL IMPACT ASSESSMENT (EIA) REPORT

PAGLA STP GENERAL ARRANGEMENT

PHASE 1 INVESTMENT PLAN

TREATMENT CAPACITY 200 MLD

DESIGNED BY	A. RAHMAN	DATE	OCT 2016
DWG CHECKED BY	A. RAHMAN	DATE	OCT 2016
APPROVED BY	IR.KHARI PMONDAK	DATE	OCT 2016
SCALE	1 : 400		
FILE CAD			
JOB NO.	DRA/16/01		
REV	02		
FILE NO.	NLE/DWASA/PAGLA STP/GEN - 01		

PAGLA STP GENERAL ARRANGEMENT  
 ACTIVATED SLUDGE TREATMENT PROCESS (SBR SYSTEM)  
 PHASE 1 INVESTMENT PLAN (200 MLD)



896900

EXISTING GRIT & GREASE LIFT STATION CHAMBER

EXISTING PRIMARY SEDIMENTATION TANKS

O&M BUILDING  
OFFICE BUILDING

STAFF QUARTERS

EXISTING PAGLA STP BOUNDARY

CLIENT



**DHAKA WATER SUPPLY AND SEWERAGE AUTHORITY**  
WASA BAHABAN  
8TH FLOOR  
80/4/ASI MASRUL ISLAM  
AVENUE 1215  
DHAKA BANGLADESH

CONSULTANT



**INSTITUTE OF WATER MODELLING**  
HOUSE-406, ROAD-62  
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WEBSITE: www.iwmk.org

DHAKA SANITATION IMPROVEMENT PROJECT (DSP)  
ENVIRONMENTAL IMPACT ASSESSMENT (EIA) REPORT

PAGLA STP GENERAL ARRANGEMENT

PHASE 1 AND PHASE 2 INVESTMENT PLAN

TREATMENT CAPACITY: 300 MLD

DRAWN BY: A. RAHMAN DATE: OCT 2018

DWG CHECK'D BY: A. RAHMAN DATE: OCT 2018

APPROVED BY: ILKHAIRI PAKONDAK DATE: OCT 2018

SCALE: 1 : 400

FILE NO: DRAWING NO.

JOB NO: REV

NILE/DWASA/PAGLA STP/GEN-01 02

PAGLA STP GENERAL ARRANGEMENT  
ACTIVATED SLUDGE TREATMENT PROCESS (SBR SYSTEM)  
PHASE 2 INVESTMENT PLAN (100 MLD)

**CLIENT**



**DHAKA WATER SUPPLY AND SEWERAGE AUTHORITY**  
 WASA BAHABAN  
 8TH FLOOR  
 80 KASI MASRUL ISLAM AVENUE 1215  
 DHAKA BANGLADESH

**CONSULTANT**



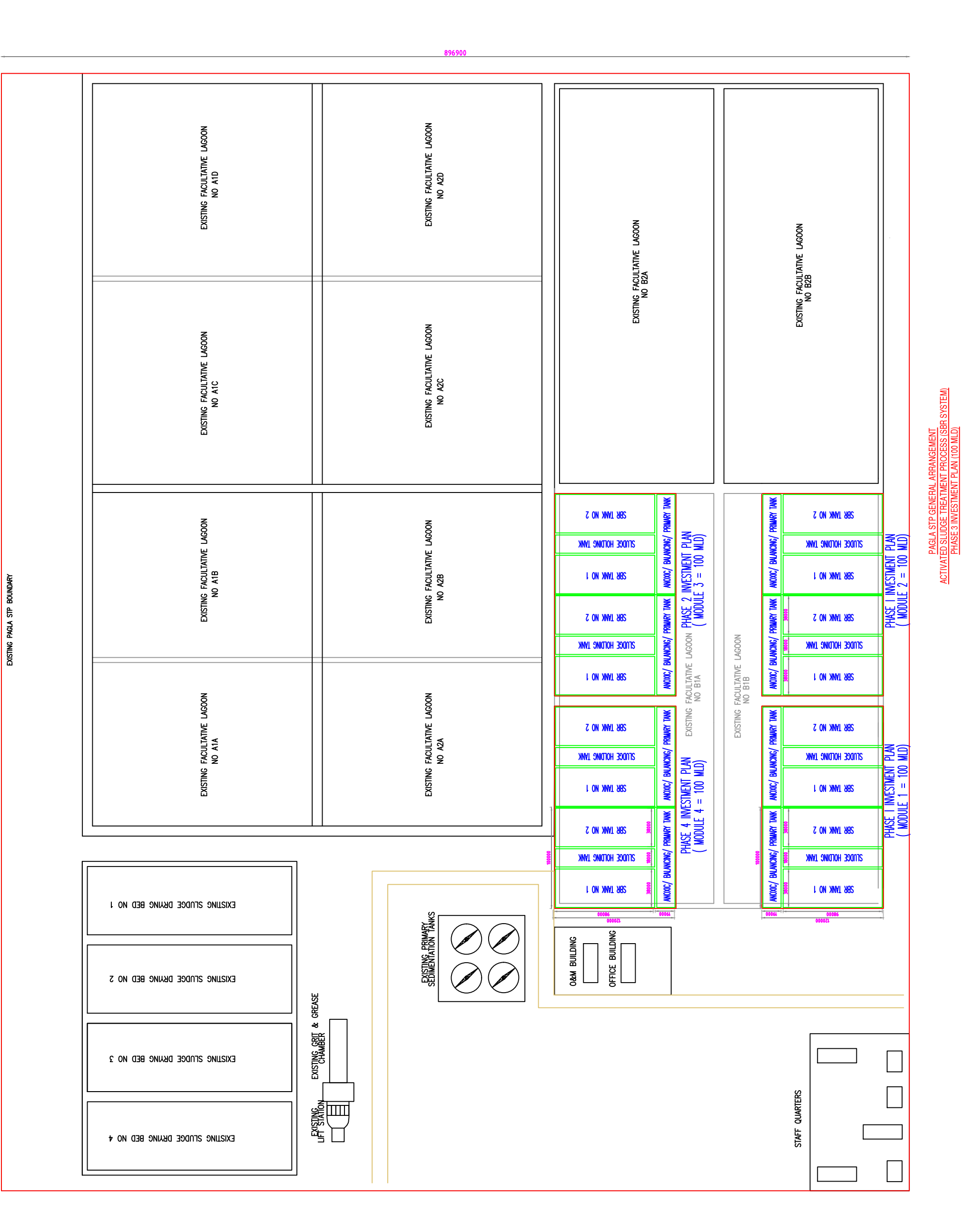
**INSTITUTE OF WATER MODELLING**  
 HOUSE #46, ROAD #32  
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 DHAKA, D14  
 WEBSITE: www.iwmod.org

**DHAKA SANITATION IMPROVEMENT PROJECT (DSIP)  
 ENVIRONMENTAL IMPACT ASSESSMENT (EIA) REPORT**

**PAGLA STP GENERAL ARRANGEMENT**  
 PHASE 1, PHASE 2 AND PHASE 3 INVESTMENT PLAN

**TREATMENT CAPACITY: 400 MLD**

<b>DRAWN BY</b>	A. RAHMAN	<b>DATE</b>	OCT 2018
<b>DWG. CHK'D BY</b>	A. RAHMAN	<b>DATE</b>	OCT 2018
<b>APPROVED BY</b>	RIJAZHARI PANDAK	<b>DATE</b>	OCT 2018
<b>SCALE</b>	1 : 400		
<b>FILE CAD</b>			
<b>JOB NO.</b>	DRAWING NO.		
<b>FILE NO.</b>	REV		
<b>DATE</b>	DATE		
<b>NO.</b>	NO.		



PAGLA STP GENERAL ARRANGEMENT  
 ACTIVATED SLUDGE TREATMENT PROCESS (SBR SYSTEM)  
 PHASE 3 INVESTMENT PLAN (100 MLD)