

Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
TSPS					
P1	Inlet Chamber	1	2.1 W	2.5 L	0.6 SWD
P2	Main Screen Channel	2	0.8 W	8.0 L	0.6 SWD
P3	Bypass Screen Channel	1	0.8 W	8.0 L	0.6 SWD
P4	Raw Sewage Sump	1	9.5 Dia.		1.7 SWD

Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
STP					
01	Inlet Chamber	1	1.7 W	2.0 L	1.5 SWD
02	Main Screen Channel	2	0.6 W	6.0 L	0.4 SWD
03	Bypass Screen Channel	1	0.6 W	6.0 L	0.4 SWD
04	Grit Chamber	2	4.5 W	4.5 L	0.9 SWD
05	Parshall Flume	1	1.5 W	10.0 L	0.7 SWD
06	Distribution Chamber	2	3.4 W	3.4 L	1.8 SWD
07	Anaerobic/Anoxic/Aerobic Tank	2	8.0 W	84.0 L	5.5 H
08	Final Clarifier	2	19.5 Dia.		3.5 SWD
09	Secondary Sludge Sump	2	3.0 W	3.0 L	3.5 SWD
10	Chlorine Contact Tank	1	2.0 W	39.0 L	2.0 SWD
11	Dechlorine Mixing Tank	1	6.8 W	4.0 L	2.0 SWD
12	Centrifuge Feed Sump	2	6.0 W	6.0 L	3.5 SWD
13	Air Blower Room	1	8.0 W	20.0 L	6.0 H
14	Chemical Building	1	10.0 W	15.0 L	6.0 H
15	Centrifuge Building	1	15.0 W	23.0 L	10.0 H
16	Electrical Building	1	15.0 W	23.0 L	10.0 H
17					

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガール上下水道整備事業(フェーズ3)

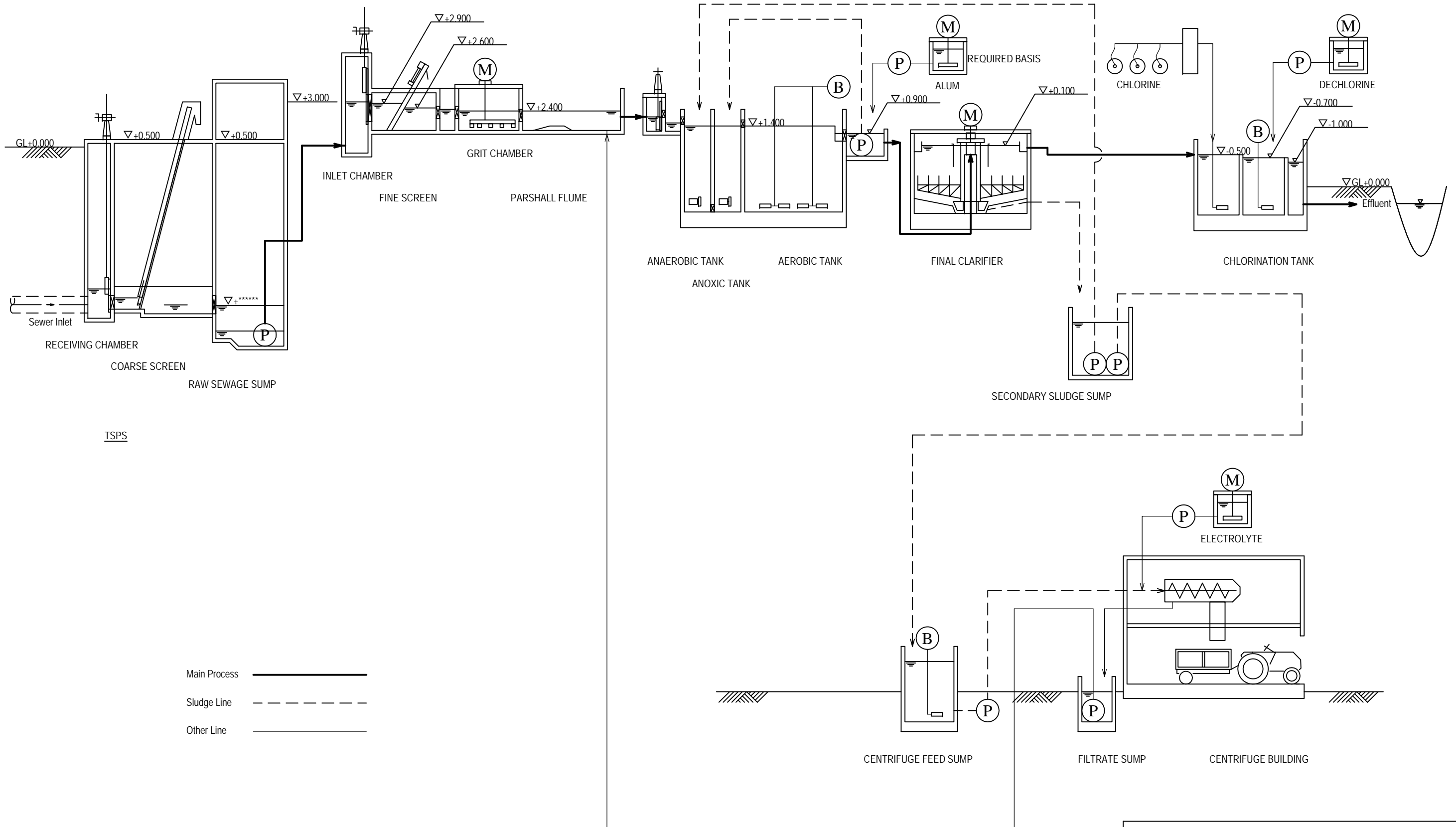
JICA JAPAN INTERNATIONAL COOPERATION AGENCY

NJS NJS CONSULTANTS CO., LTD.

DRAWING TITLE: **A-1 JAKKUR 7MLD STP GENERAL LAYOUT**

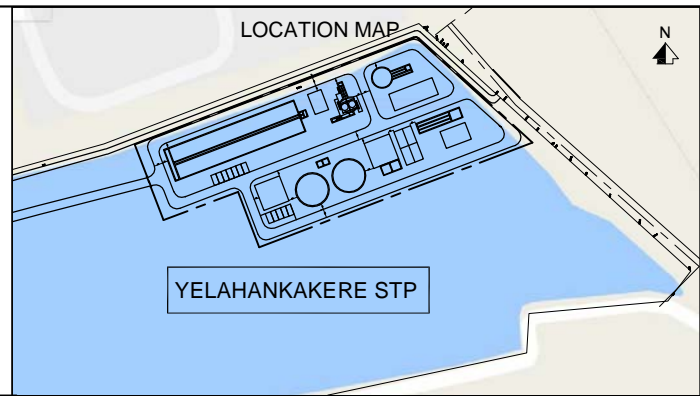
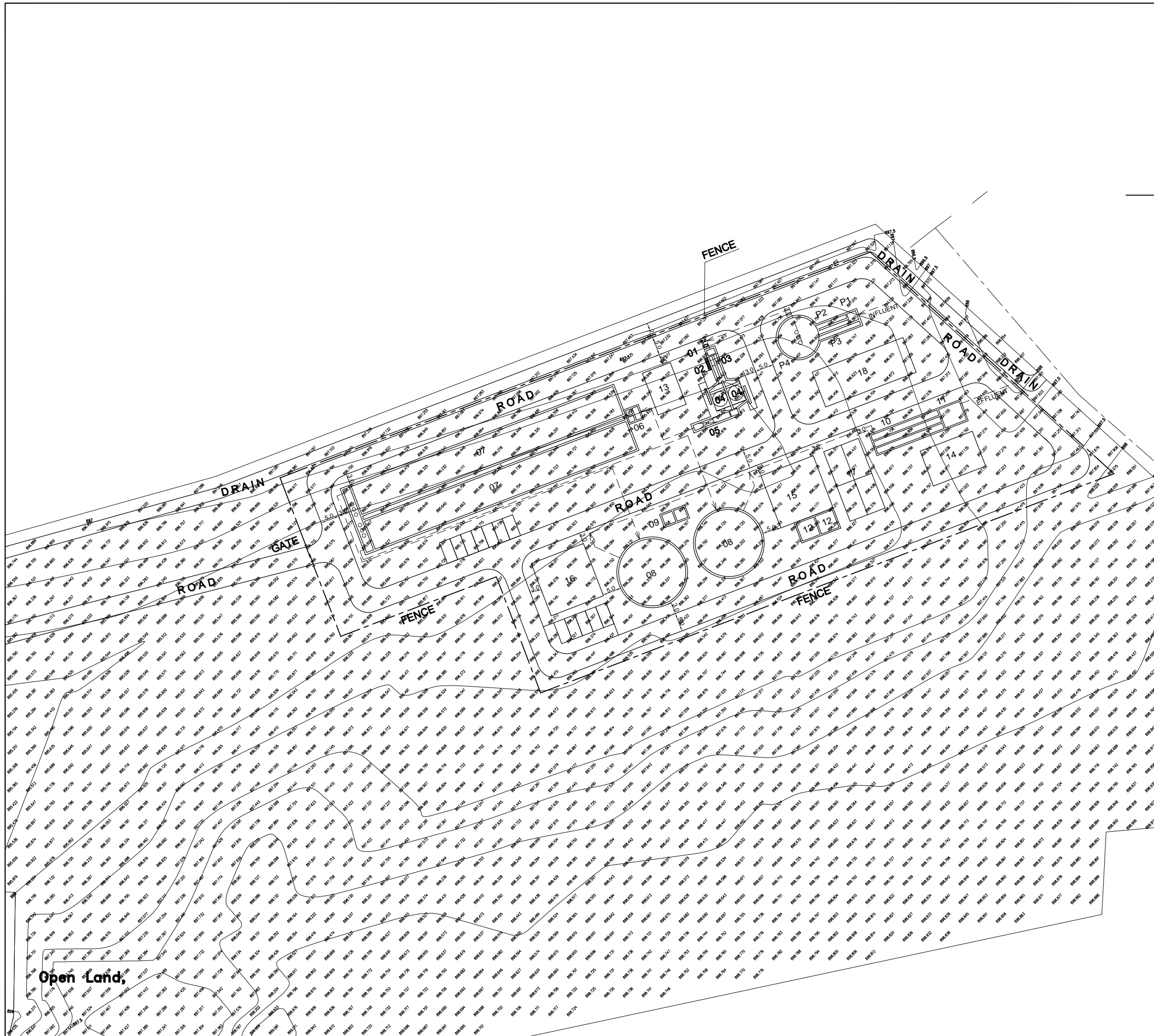
SCALE: 1:600

DRAWING NO. **S-001**



Main Process ———
 Sludge Line - - - - -
 Other Line - · - · -

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3) ベンガルール上下水道整備事業(フェーズ3)	
JAPAN INTERNATIONAL COOPERATION AGENCY	
NJS CONSULTANTS CO., LTD.	
DRAWING TITLE A-1 JAKKUR 7MLD STP PROCESS FLOW & HYDRAULIC PROFILE	SCALE NTS DRAWING NO. S-002



Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
TSPS					
01	Inlet Chamber	1	2.5 W	2.5 L	0.6 SWD
02	Coarse Screen Channel	2	1.0 W	6.0 L	0.5 SWD
03	Bypass Screen Channel	1	1.0 W	6.0 L	0.5 SWD
04	Raw Sewage Sump	1	11.0 Dia.		1.7 SWD

Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
STP					
01	Inlet Chamber	1	2.1 W	1.5 L	1.0 SWD
02	Fine Screen Channel	1	0.8 W	6.0 L	0.5 SWD
03	Bypass Screen Channel	1	0.8 W	6.0 L	0.5 SWD
04	Grit Chamber	2	4.0 W	4.0 L	0.9 SWD
05	Parshall Flume	1	1.5 W	10.0 L	0.7 SWD
06	Distribution Chamber	1	3.4 W	3.4 L	1.8 SWD
07	Anaerobic/Anoxic/Aerobic Tank	2	8.0 W	75.0 L	5.5 H
08	Final Clarifier	2	18.0 Dia.		3.5 SWD
09	Secondary Sludge Sump	2	3.0 W	3.0 L	3.5 SWD
10	Chlorine Contact Tank	1	1.5 W	57.0 L	1.5 SWD
11	Dechlorine Mixing Tank	1	5.3 W	6.0 L	1.5 SWD
12	Centrifuge Feed Sump	2	5.0 W	5.0 L	4.0 SWD
13	Air Blower Room	1	8.0 W	12.0 L	6.0 H
14	Chemical Building	1	10.0 W	15.0 L	6.0 H
15	Centrifuge Building	1	15.0 W	15.0 L	10.0 H
16	Administration Building	1	15.0 W	15.0 L	10.0 H
17	Sludge Storage Yard	1	10.0 W	20.0 L	
18	Transformer & DG Room	1	10.0 W	26.0 L	
19					

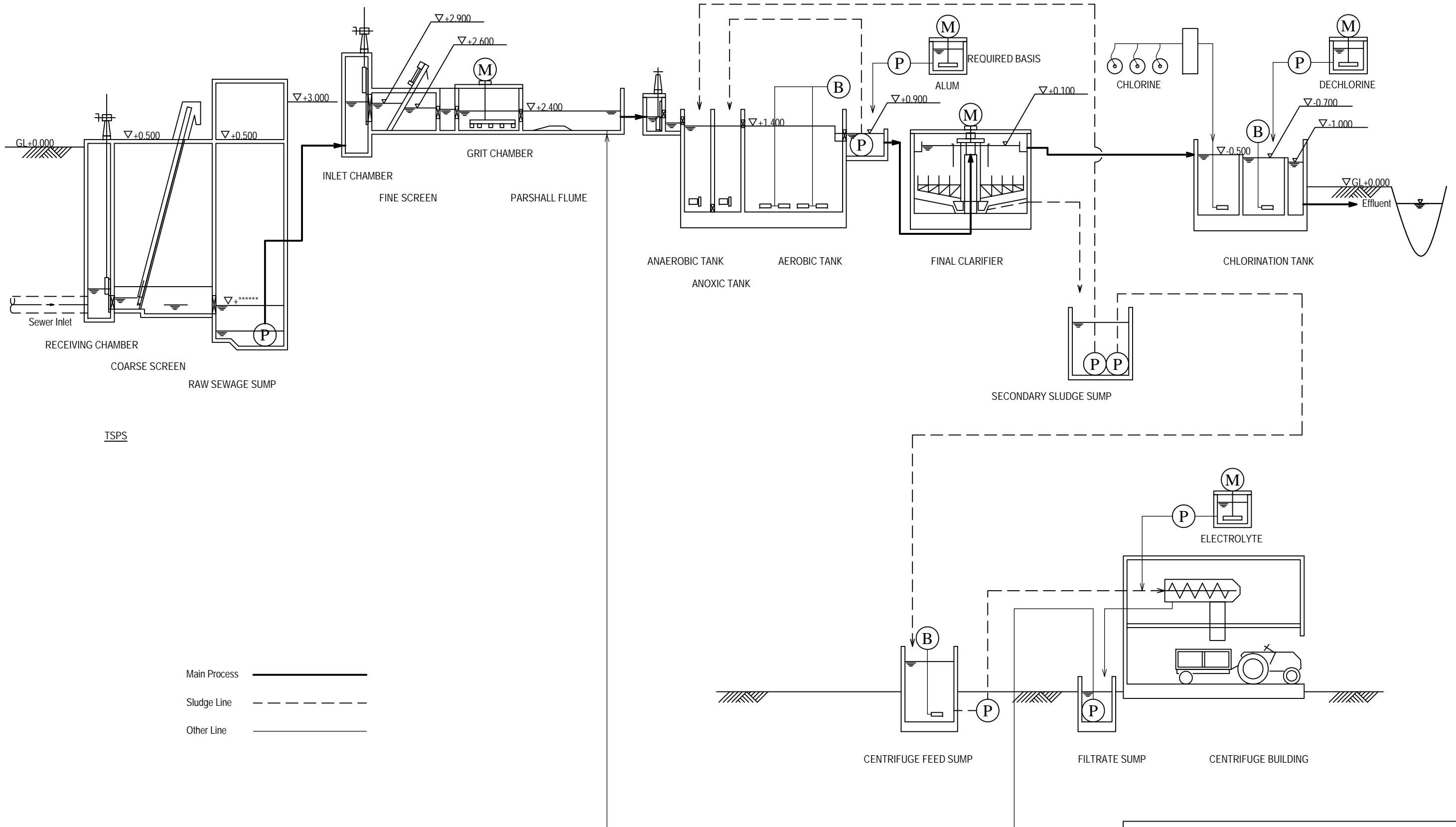
BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

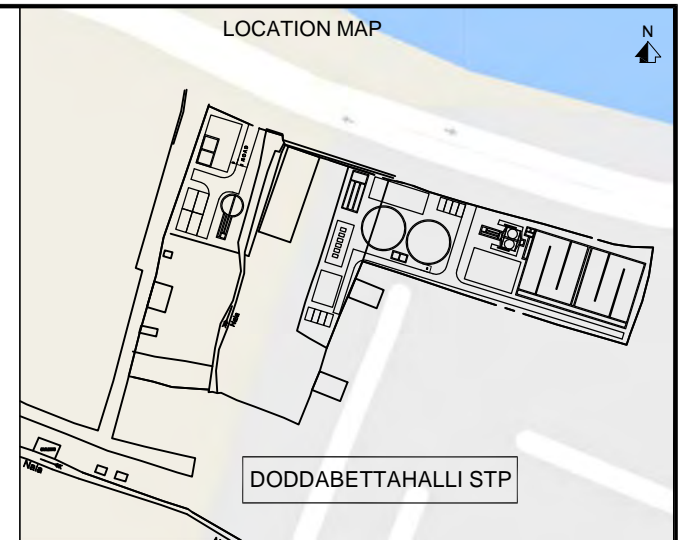
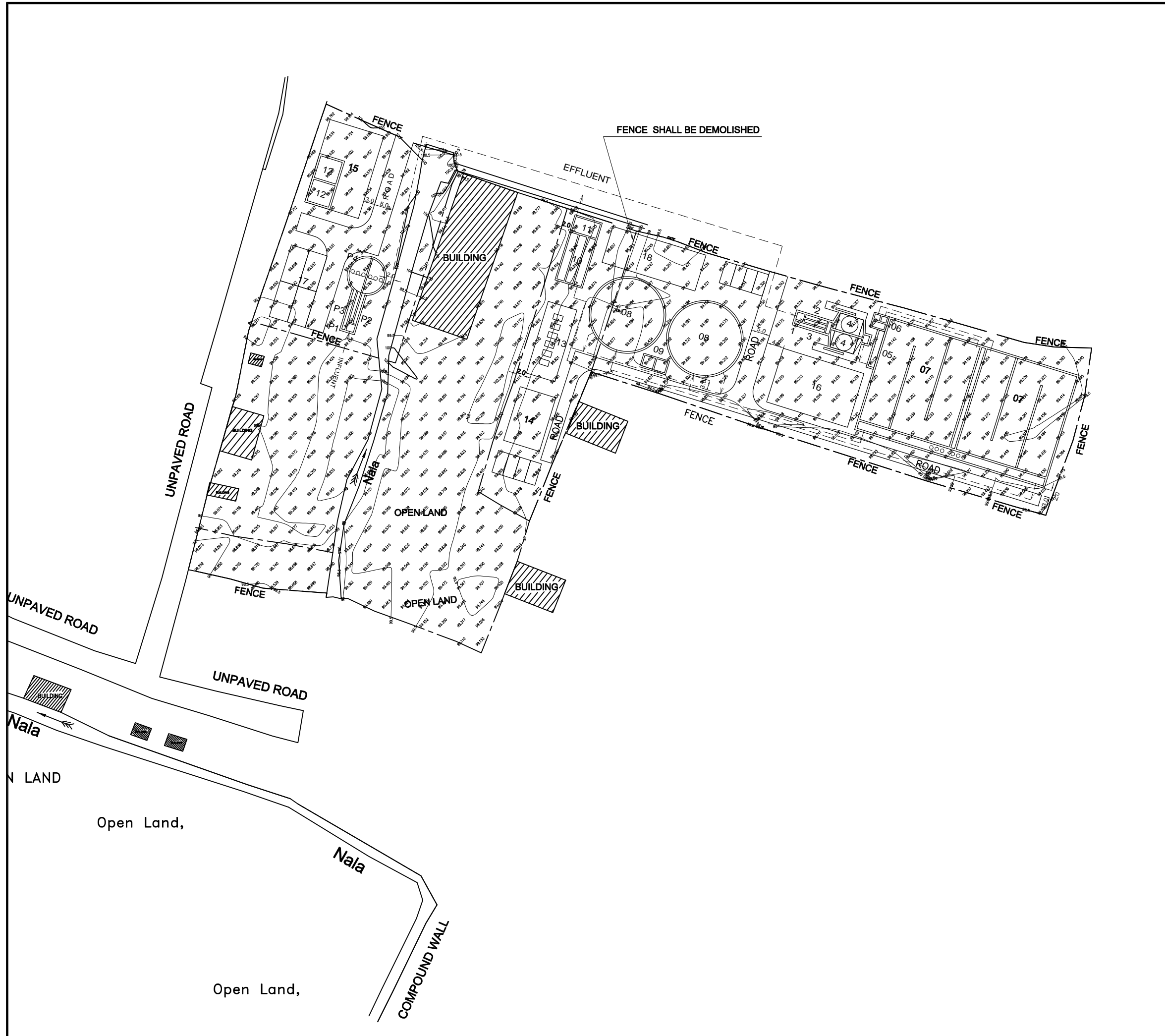
DRAWING TITLE
A-2 YELAHANKAKERE 6MLD STP
GENERAL LAYOUT

SCALE
 1:1000
 DRAWING NO.
S-003



Main Process —————
 Sludge Line - - - - -
 Other Line - · - · -

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3) ベンガルール上下水道整備事業(フェーズ3)	
JAPAN INTERNATIONAL COOPERATION AGENCY	
NJS CONSULTANTS CO., LTD.	
DRAWING TITLE A-2 YELAHANKAKERE 6MLD STP PROCESS FLOW & HYDRAULIC PROFILE	SCALE NTS DRAWING NO. S-004



Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
TSPS					
P1	Inlet Chamber	1	2.1 W	2.5 L	0.6 SWD
P2	Coarse Screen Channel	2	0.8 W	6.0 L	0.6 SWD
P3	Bypass Screen Channel	1	0.8 W	6.0 L	0.6 SWD
P4	Raw Sewage Sump	1	9.5 Dia.		1.7 SWD

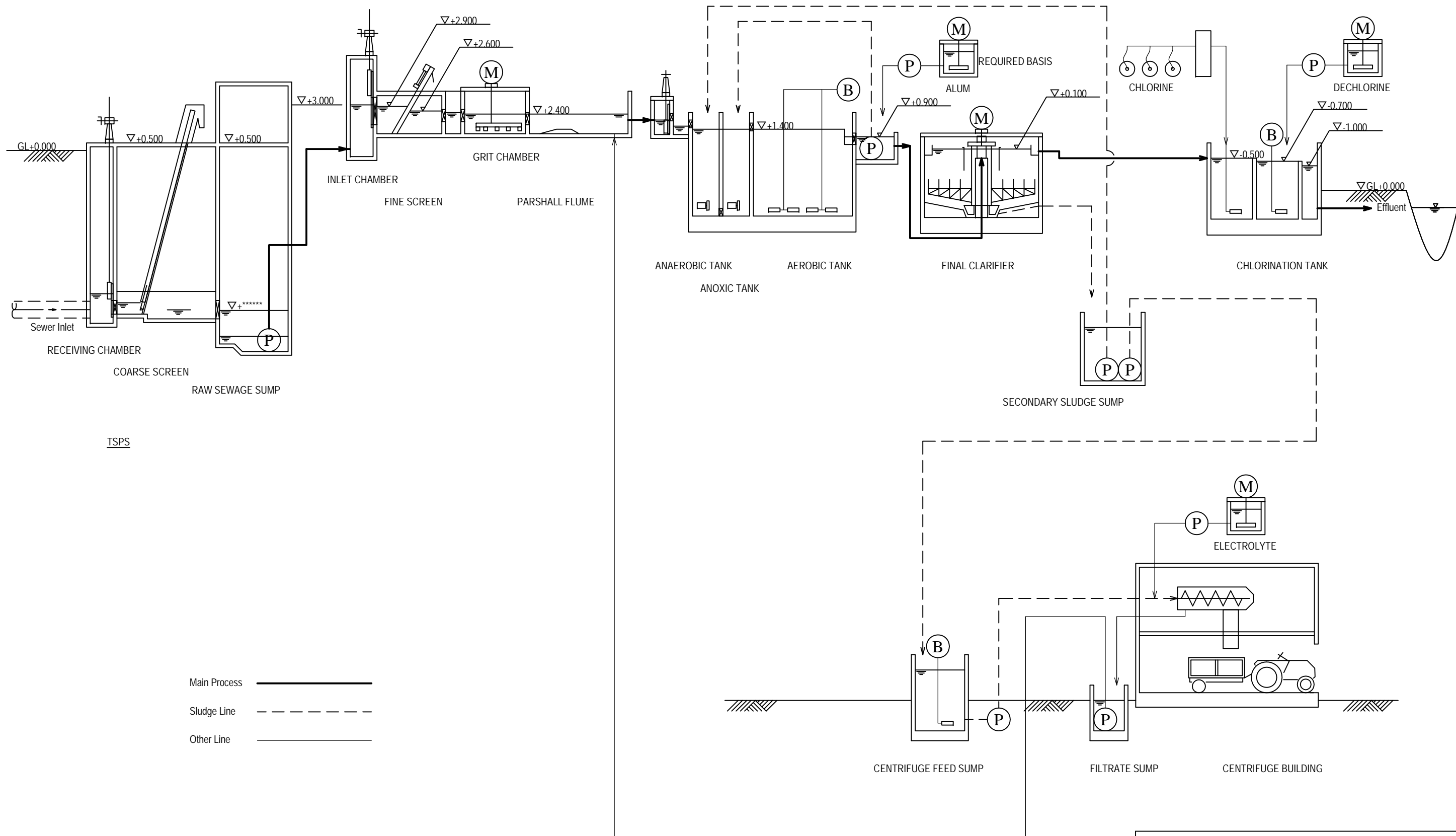
Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
STP					
01	Inlet Chamber	1	1.7 W	2.0 L	1.5 SWD
02	Fine Screen Channel	2	0.6 W	6.0 L	0.4 SWD
03	Bypass Screen Channel	1	0.6 W	6.0 L	0.4 SWD
04	Grit Chamber	2	4.5 W	4.5 L	0.9 SWD
05	Parshall Flume	1	1.5 W	10.0 L	0.7 SWD
06	Distribution Chamber	1	3.4 W	3.4 L	1.8 SWD
07	Anaerobic/Anoxic/Aerobic Tank	2	8.0 W	84.0 L	5.5 H
08	Final Clarifier	2	19.5 Dia.		3.5 SWD
09	Secondary Sludge Sump	2	3.0 W	3.0 L	3.5 SWD
10	Chlorine Contact Tank	1	2.0 W	39.0 L	2.0 SWD
11	Dechlorine Mixing Tank	1	6.8 W	4.0 L	2.0 SWD
12	Centrifuge Feed Sump	2	6.0 W	6.0 L	3.5 SWD
13	Air Blower Room	1	8.0 W	20.0 L	6.0 H
14	Chemical Building	1	10.0 W	15.0 L	6.0 H
15	Centrifuge Building	1	15.0 W	23.0 L	10.0 H
16	Administration Building	1	15.0 W	23.0 L	10.0 H
17	Sludge Storage Yard	1	10.0 W	20.0 L	
18	Transformer & DG Room	1	10.0 W	26.0 L	
19					

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

JAPAN INTERNATIONAL COOPERATION AGENCY

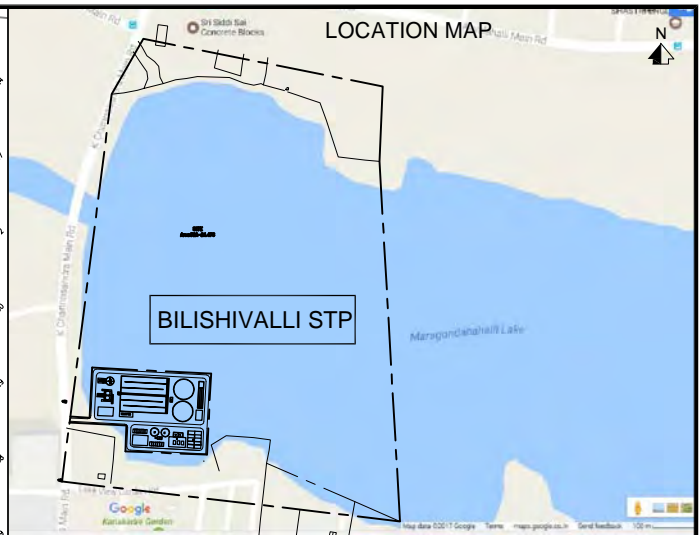
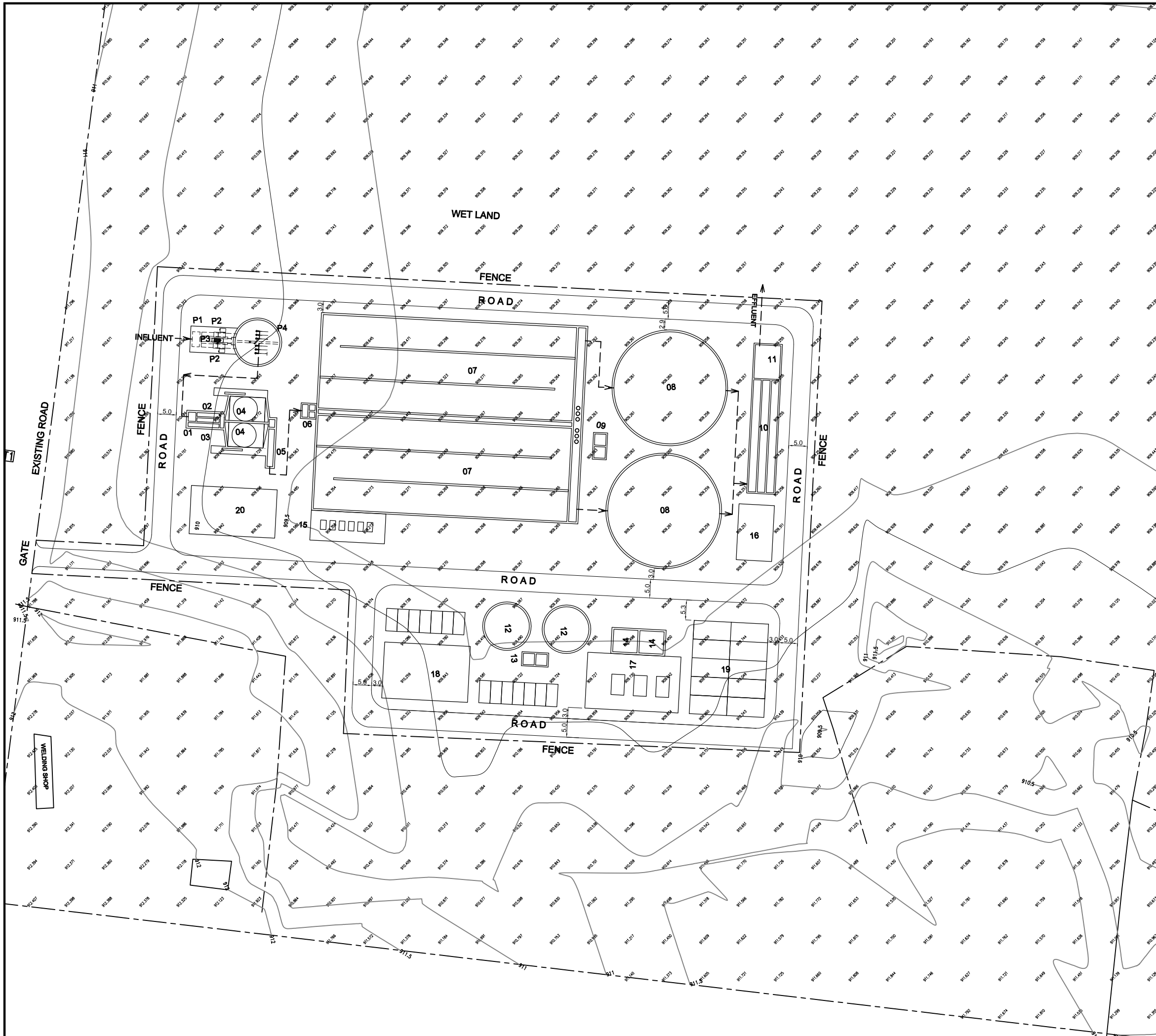
NJS CONSULTANTS CO., LTD.

DRAWING TITLE: A-3 DODDABETTAHALLI 7MLD STP GENERAL LAYOUT
 SCALE: 1:1000
 DRAWING NO.: S-005



Main Process —————
 Sludge Line - - - - -
 Other Line —————

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3) ベンガルール上下水道整備事業(フェーズ3)	
JAPAN INTERNATIONAL COOPERATION AGENCY	
NJS CONSULTANTS CO., LTD.	
DRAWING TITLE A-3 DODDABETTAHALLI 7MLD STP PROCESS FLOW & HYDRAULIC PROFILE	SCALE NTS DRAWING NO. S-006



Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
TSPS					
P1	Inlet Chamber	1	2.9 W	2.5 L	0.6 SWD
P2	Coarse Screen Channel	2	1.2 W	6.0 L	0.7 SWD
P3	Bypass Screen Channel	1	1.2 W	6.0 L	0.7 SWD
P4	Raw Sewage Sump	1	11.0 Dia.		2.2 SWD

Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
STP					
01	Inlet Chamber	1	2.9 W	2.5 L	2.0 SWD
02	Fine Screen Channel	2	1.0 W	6.0 L	0.5 SWD
03	Bypass Screen Channel	1	1.0 W	6.0 L	0.5 SWD
04	Grit Chamber	2	6.5 W	6.5 L	0.9 SWD
05	Parshall Flume	1	1.5 W	10.0 L	0.8 SWD
06	Distribution Chamber	2	3.4 W	3.4 L	1.8 SWD
07	Anaerobic/Anoxic/Aerobic Tank	2	8.0 W	204.0 L	5.5 H
08	Final Clarifier	2	30.0 Dia.		3.5 SWD
09	Secondary Sludge Sump	2	3.0 W	3.0 L	3.5 SWD
10	Chlorine Contact Tank	1	2.0 W	90.0 L	2.0 SWD
11	Dechlorine Mixing Tank	1	6.8 W	9.0 L	2.0 SWD
12	Sludge Thickener	2	12.0 Dia.		4.0 SWD
13	Thickened Sludge Sump	2	3.5 W	4.0 L	3.0 SWD
14	Centrifuge Feed Sump	2	6.0 W	6.5 L	4.0 SWD
15	Air Blower Room	1	8.0 W	20.0 L	6.0 H
16	Chemical Building	1	10.0 W	15.0 L	6.0 H
17	Centrifuge Building	1	15.0 W	23.0 L	10.0 H
18	Administration Building	1	15.0 W	23.0 L	10.0 H
19	Sludge Storage Yard	1	20.0 W	25.0 L	
20	Transformer & DG Room	1	13.0 W	23.0 L	
21					

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

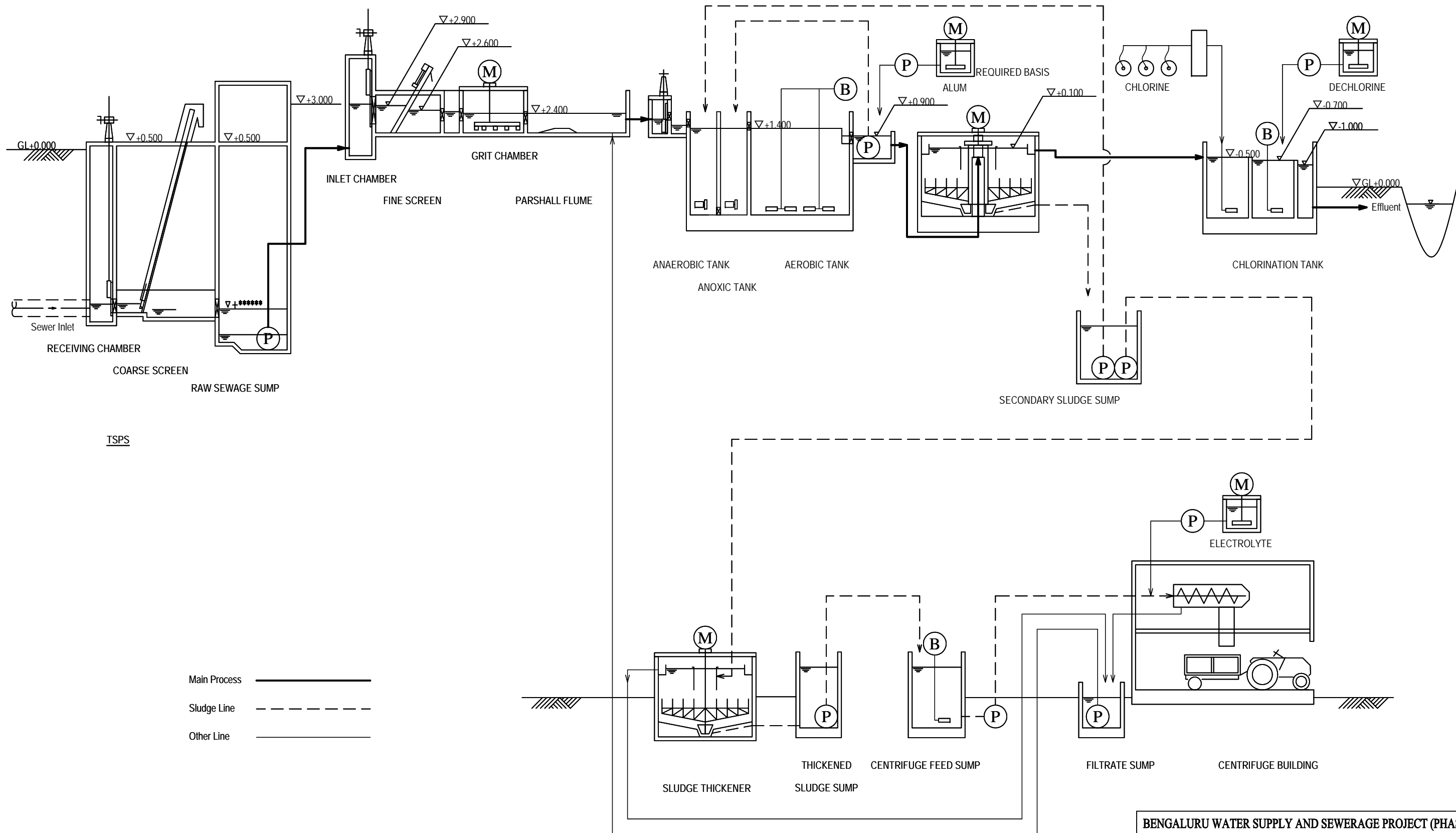
JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

DRAWING TITLE
**A-4 BILSHIVALLI 17MLD STP
 GENERAL LAYOUT**

SCALE
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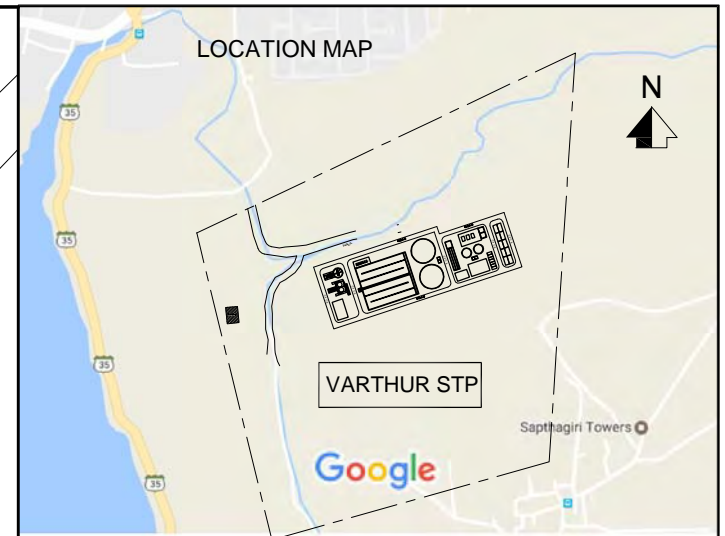
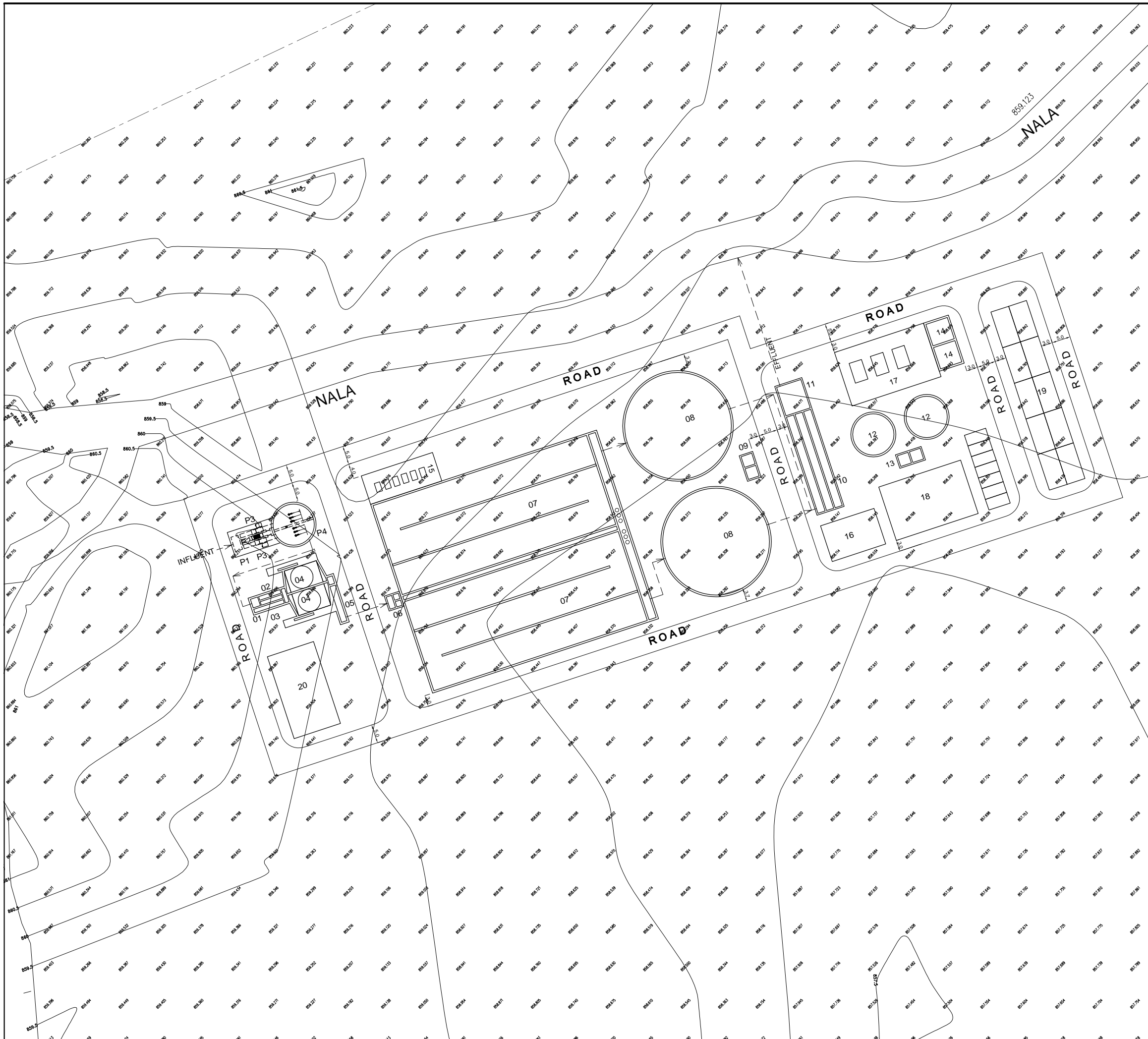
DRAWING NO.
S-007



TSPS

Main Process ———
 Sludge Line - - - - -
 Other Line _____

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3) ベンガルール上下水道整備事業(フェーズ3)	
jica JAPAN INTERNATIONAL COOPERATION AGENCY	
njs NJS CONSULTANTS CO., LTD.	
DRAWING TITLE A-4 BILISHIVALLI 17MLD STP PROCESS FLOW & HYDRAULIC PROFILE	SCALE NTS DRAWING NO. S-008



Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
TSPS					
P1	Inlet Chamber	1	2.9 W	2.5 L	0.6 SWD
P2	Coarse Screen Channel	2	1.2 W	6.0 L	0.6 SWD
P3	Bypass Screen Channel	1	1.2 W	6.0 L	0.6 SWD
P4	Raw Sewage Sump	1	11.0 Dia.		2.2 SWD

Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
STP					
01	Inlet Chamber	1	2.9 W	2.5 L	2.0 SWD
02	Fine Screen Channel	2	1.0 W	6.0 L	0.5 SWD
03	Bypass Screen Channel	1	1.0 W	6.0 L	0.5 SWD
04	Grit Chamber	2	6.0 W	6.0 L	0.9 SWD
05	Parshall Flume	1	1.5 W	10.0 L	0.8 SWD
06	Distribution Chamber	2	3.4 W	3.4 L	1.8 SWD
07	Anaerobic/Anoxic/Aerobic Tank	2	8.0 W	180.0 L	5.5 H
08	Final Clarifier	2	28.5 Dia.		3.5 SWD
09	Secondary Sludge Sump	2	3.0 W	3.0 L	3.5 SWD
10	Chlorine Contact Tank	1	2.0 W	81.0 L	2.0 SWD
11	Dechlorine Mixing Tank	1	6.8 W	8.0 L	2.0 SWD
12	Gravity Thickener	2	11.0 Dia.		4.0 SWD
13	Thickened Sludge Sump	2	3.5 W	4.0 L	3.0 SWD
14	Centrifuge Feed Sump	2	6.0 W	6.0 L	4.0 SWD
15	Air Blower Room	1	8.0 W	20.0 L	6.0 H
16	Chemical Building	1	10.0 W	15.0 L	6.0 H
17	Centrifuge Building	1	15.0 W	23.0 L	10.0 H
18	Administration Building	1	15.0 W	23.0 L	10.0 H
19	Sludge Storage Yard	1	10.0 W	50.0 L	
20	Transformer & DG Room	1	13.0 W	23.0 L	
21					

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガールール上下水道整備事業(フェーズ3)

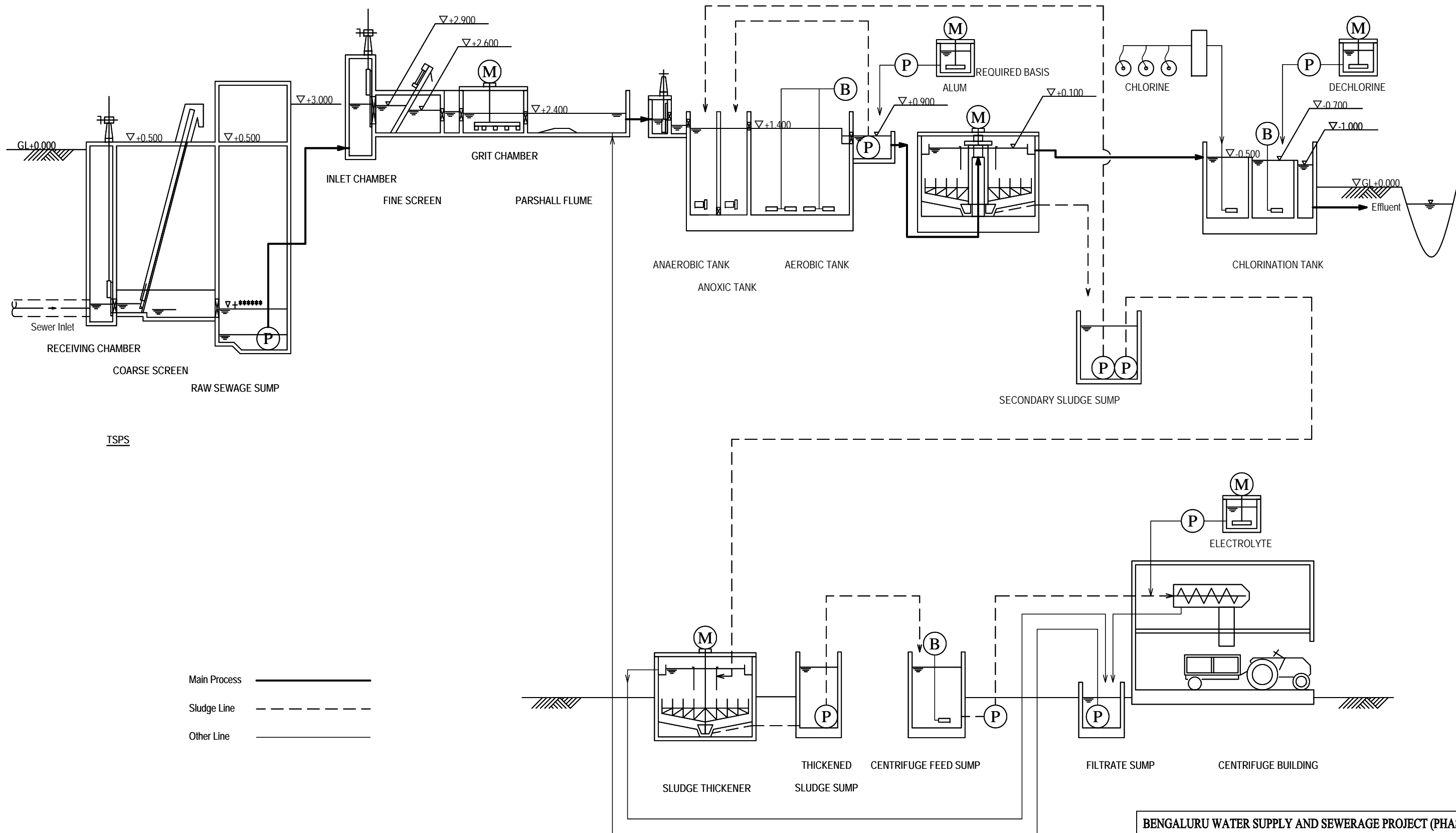
JICA JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

DRAWING TITLE
**B-1 VARTHUR 15MLD STP
 GENERAL LAYOUT**

SCALE
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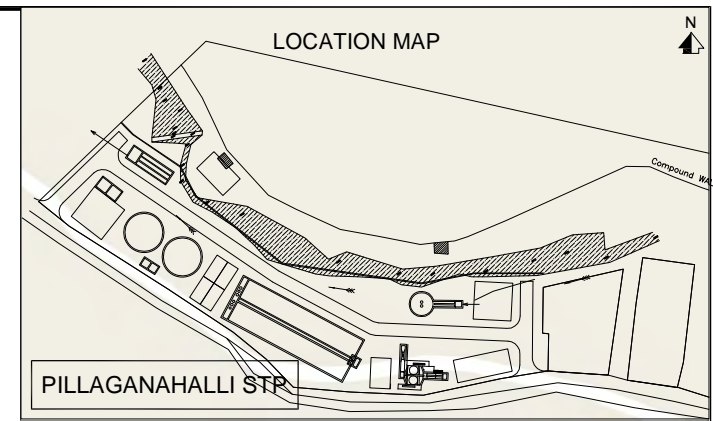
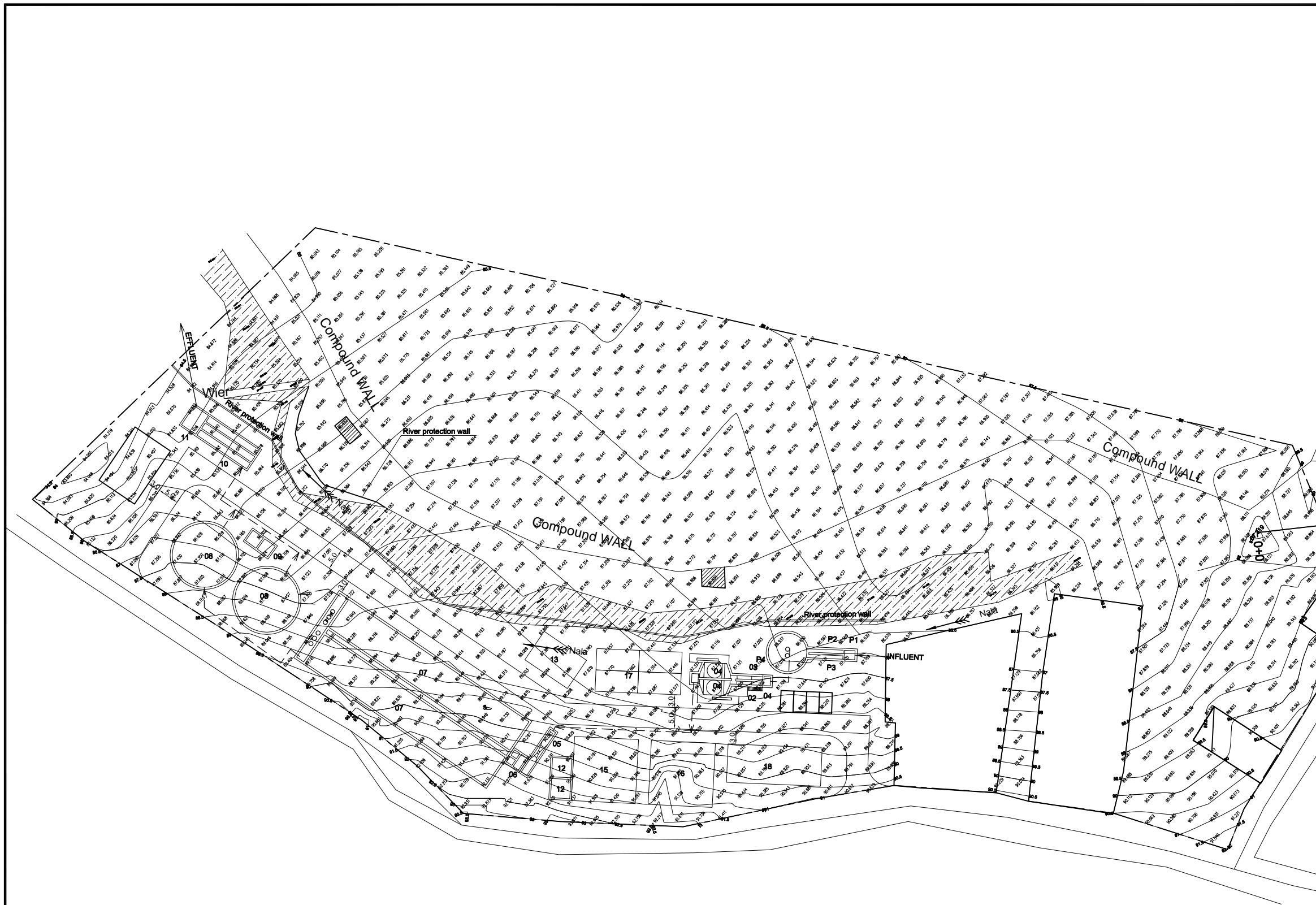
DRAWING NO.
S-009



TSPS

Main Process ———
 Sludge Line - - - - -
 Other Line - · - · -

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3) ベンガルール上下水道整備事業(フェーズ3)	
JAPAN INTERNATIONAL COOPERATION AGENCY	
NJS CONSULTANTS CO., LTD.	
DRAWING TITLE	SCALE
B-1 VARTHUR 15MLD STP PROCESS FLOW & HYDRAULIC PROFILE	NTS
DRAWING NO.	
S-010	



Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
TSPS					
P1	Inlet Chamber	1	2.1 W	2.5 ^L	0.6 SWD
P2	Main Screen Channel	1	0.8 W	6.0 ^L	0.5 SWD
P3	Bypass Screen Channel	1	0.8 W	6.0 ^L	0.5 SWD
P4	Raw Sewage Sump	1	7.5 Dia.		1.7 SWD

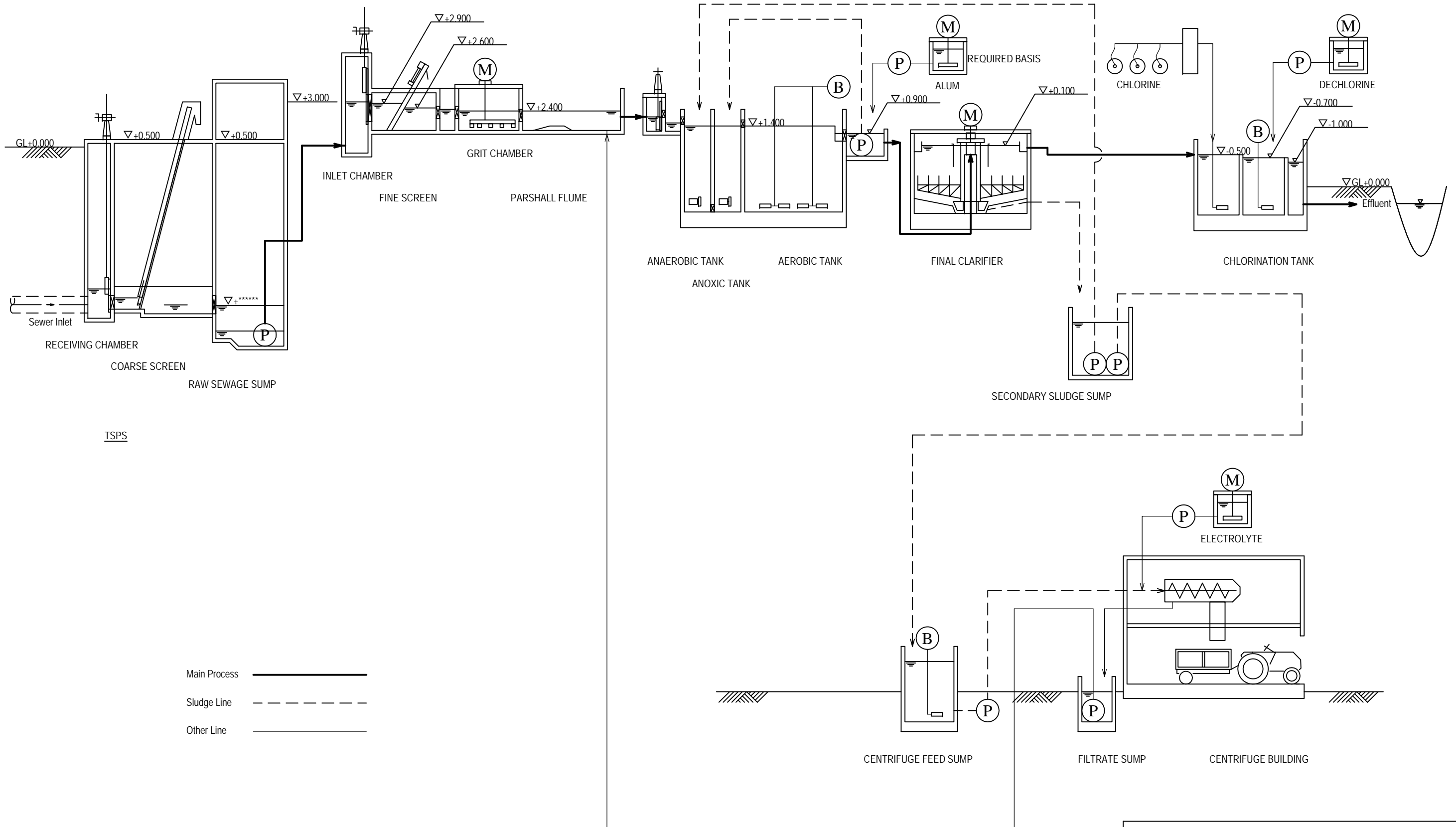
Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
STP					
01	Inlet Chamber	1	1.8 W	1.5 ^L	1.0 SWD
02	Main Screen Channel	1	0.8 W	6.0 ^L	0.4 SWD
03	Bypass Screen Channel	1	0.8 W	6.0 ^L	0.4 SWD
04	Grit Chamber	2	3.5 W	3.5 ^L	0.9 SWD
05	Parshall Flume	1	1.5 W	10.0 ^L	0.7 SWD
06	Distribution Chamber	1	3.4 W	3.4 ^L	1.8 SWD
07	Anaerobic/Anoxic/Aerobic Tank	2	8.0 W	51.0 ^L	5.5 ^H
08	Final Clarifier	2	15.0 Dia.		3.5 SWD
09	Secondary Sludge Sump	2	3.0 W	3.0 ^L	3.5 SWD
10	Chlorine Contact Tank	1	1.5 W	42.0 ^L	1.5 SWD
11	Dechlorine Mixing Tank	1	5.3 W	4.0 ^L	1.5 SWD
12	Centrifuge Feed Sump	2	4.5 W	4.5 ^L	3.0 SWD
13	Air Blower Room	1	8.0 W	12.0 ^L	6.0 ^H
14	Chemical Building	1	10.0 W	15.0 ^L	6.0 ^H
15	Centrifuge Building	1	15.0 W	15.0 ^L	10.0 ^H
16	Administration Building	1	15.0 W	15.0 ^L	10.0 ^H
17	Sludge Storage Yard	1	10.0 W	20.0 ^L	
18	Transformer & DG Room	1	9.0 W	22.0 ^L	
19					

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

JAPAN INTERNATIONAL COOPERATION AGENCY

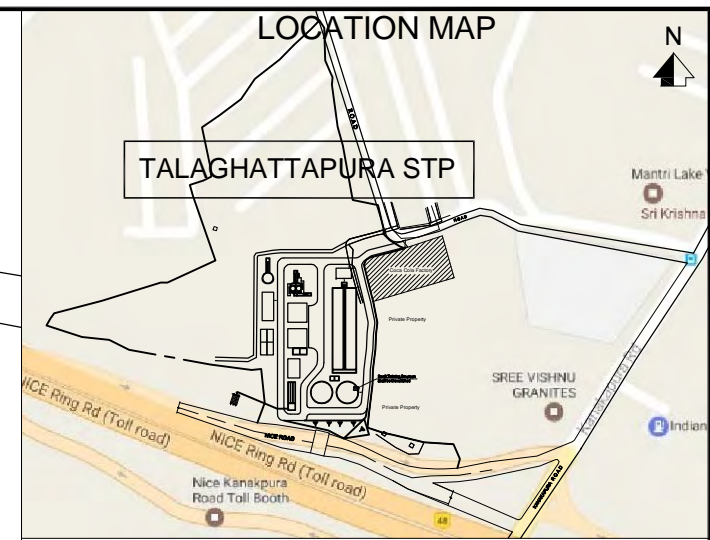
NJS CONSULTANTS CO., LTD.

DRAWING TITLE: **C-1 PILLAGANAHALLI 4MLD STP GENERAL LAYOUT**
 SCALE: 1:1000
 DRAWING NO.: **S-011**



Main Process —————
 Sludge Line - - - - -
 Other Line - · - · -

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3) ベンガルール上下水道整備事業(フェーズ3)	
JAPAN INTERNATIONAL COOPERATION AGENCY	
NJS CONSULTANTS CO., LTD.	
DRAWING TITLE C-1 PILAGANAHALLI 4MLD STP PROCESS FLOW & HYDRAULIC PROFILE	SCALE NTS DRAWING NO. S-012



Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
TSPS					
P1	Inlet Chamber	1	2.1 W	2.5 L	0.6 SWD
P2	Coarse Screen Channel	1	0.8 W	6.0 L	0.6 SWD
P3	Bypass Screen Channel	1	0.8 W	6.0 L	0.6 SWD
P4	Raw Sewage Sump	1	8.0 Dia.		1.7 SWD

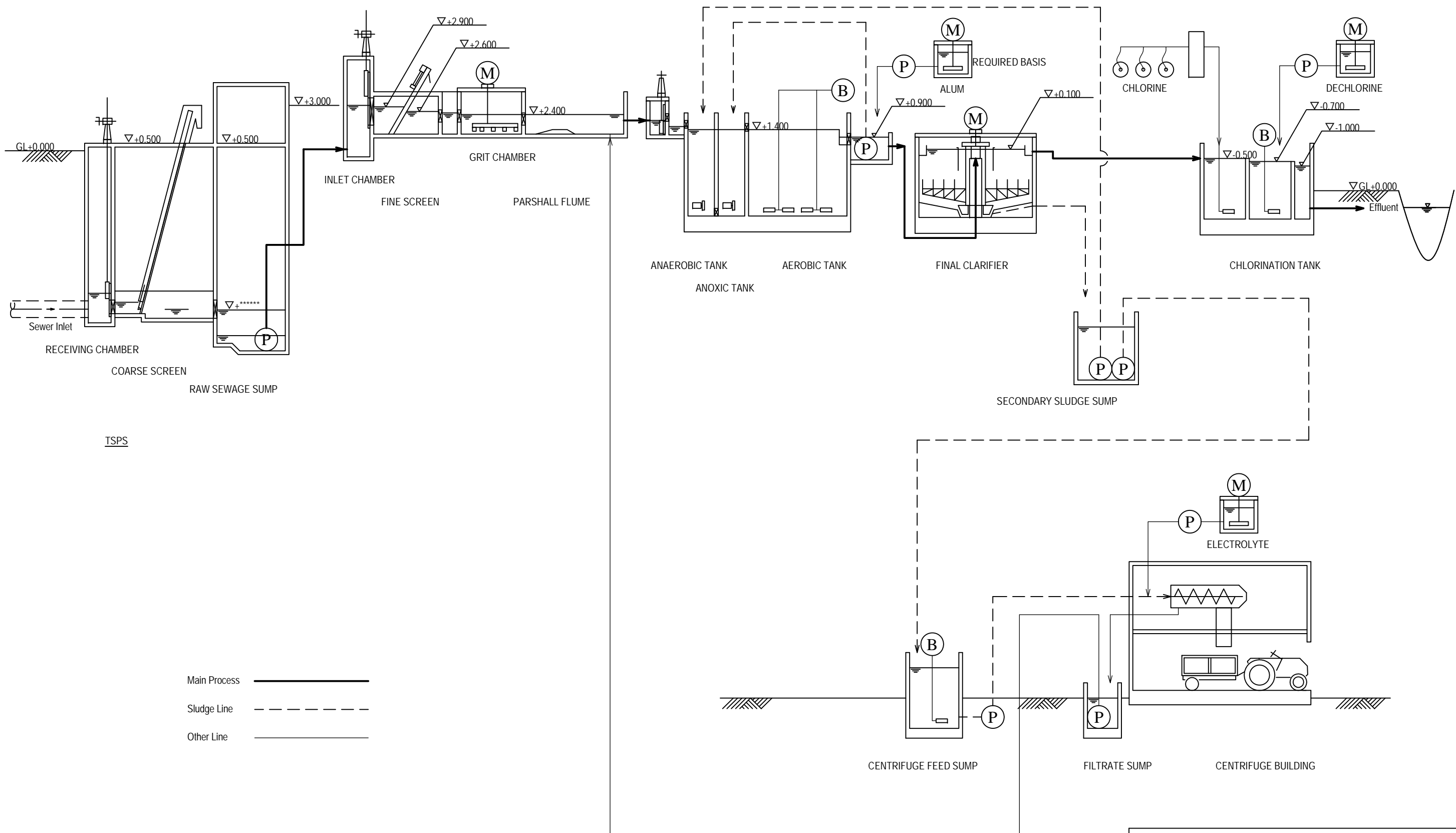
Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
STP					
01	Inlet Chamber	1	2.1 W	1.5 L	1.0 SWD
02	Fine Screen Channel	1	0.8 W	6.0 L	0.4 SWD
03	Bypass Screen Channel	1	0.8 W	6.0 L	0.4 SWD
04	Grit Chamber	2	4.0 W	4.0 L	0.9 SWD
05	Parshall Flume	1	1.5 W	10.0 L	0.7 SWD
06	Distribution Chamber	1	3.4 W	3.4 L	1.8 SWD
07	Anaerobic/Anoxic/Aerobic Tank	2	8.0 W	63.0 L	5.5 H
08	Final Clarifier	2	16.5 Dia.		3.5 SWD
09	Secondary Sludge Sump	2	3.0 W	3.0 L	3.5 SWD
10	Chlorine Contact Tank	1	1.5 W	48.0 L	1.5 SWD
11	Dechlorine Mixing Tank	1	5.3 W	5.0 L	1.5 SWD
12	Centrifuge Feed Sump	2	4.5 W	5.0 L	3.5 SWD
13	Air Blower Room	1	8.0 W	12.0 L	6.0 H
14	Chemical Building	1	10.0 W	15.0 L	6.0 H
15	Centrifuge Building	1	15.0 W	15.0 L	10.0 H
16	Administration Building	1	15.0 W	15.0 L	10.0 H
17	Sludge Storage Yard	1	10.0 W	20.0 L	
18	Transformer & DG Room	1	9.0 W	22.0 L	
19					

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

DRAWING TITLE: C-2 TALAGHATTAPURA 5MLD STP GENERAL LAYOUT
 SCALE: 1:1000
 DRAWING NO.: S-013



Main Process —————
 Sludge Line - - - - -
 Other Line - · - · -

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3) ベンガルール上下水道整備事業(フェーズ3)	
JAPAN INTERNATIONAL COOPERATION AGENCY	
NJS CONSULTANTS CO., LTD.	
DRAWING TITLE C-2 TALAGHATTAPURA 5MLD STP PROCESS FLOW & HYDRAULIC PROFILE	SCALE NTS DRAWING NO. S-014



Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
TSPS					
P1	Inlet Chamber	1	2.1 W	2.5 L	0.6 SWD
P2	Coarse Screen Channel	2	0.8 W	6.0 L	0.6 SWD
P3	Bypass Screen Channel	1	0.8 W	6.0 L	0.6 SWD
P4	Raw Sewage Sump	1	9.5 Dia.		1.7 SWD

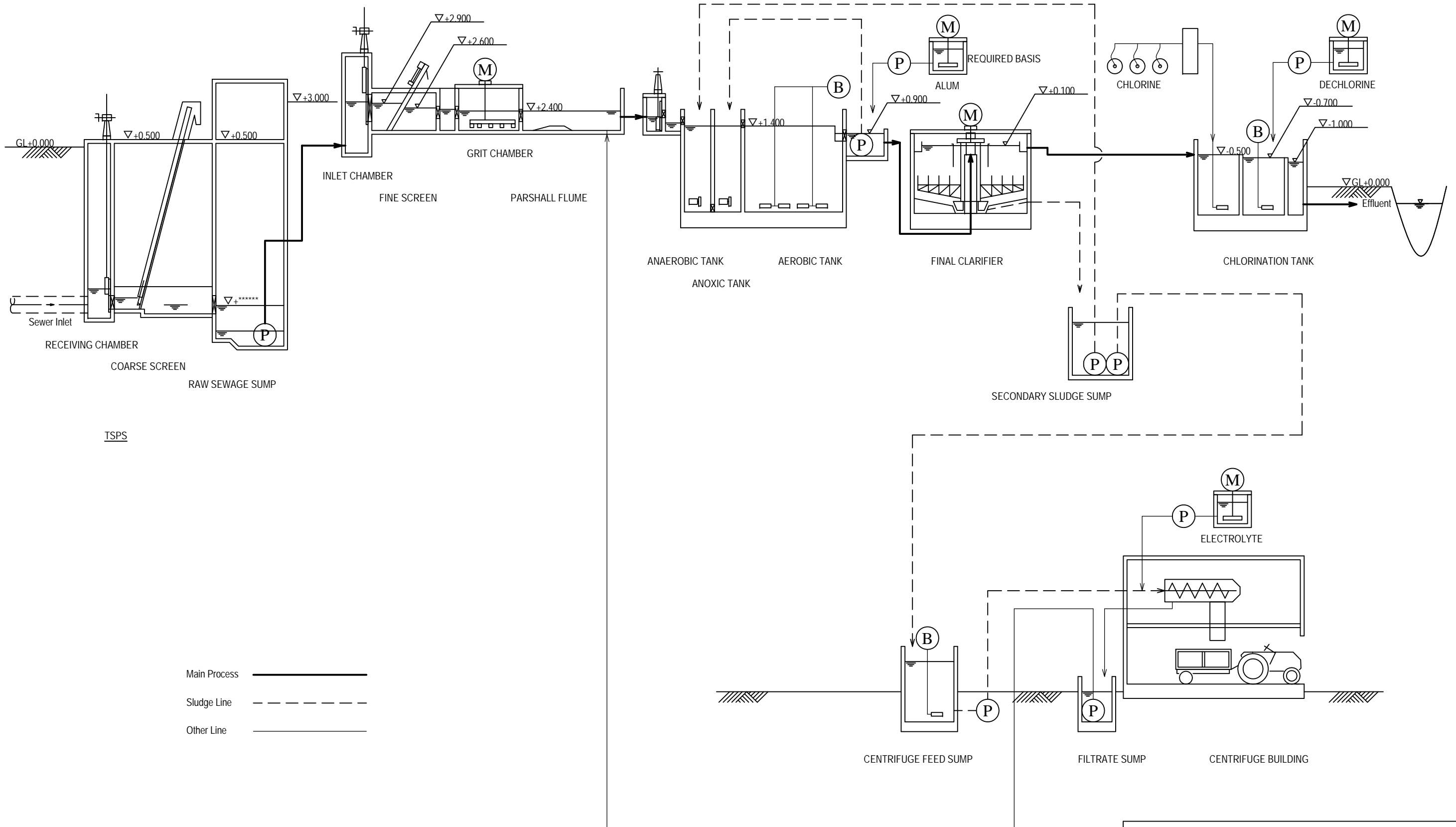
Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
STP					
01	Inlet Chamber	1	2.1 W	2.0 L	1.5 SWD
02	Fine Screen Channel	2	0.8 W	6.0 L	0.4 SWD
03	Bypass Screen Channel	1	0.8 W	6.0 L	0.4 SWD
04	Grit Chamber	2	4.5 W	4.5 L	0.9 SWD
05	Parshall Flume	1	1.5 W	10.0 L	0.7 SWD
06	Distribution Chamber	2	3.4 W	3.4 L	1.8 SWD
07	Anaerobic/Anoxic/Aerobic Tank	2	8.0 W	96.0 L	5.5 H
08	Final Clarifier	2	21.0 Dia.		3.5 SWD
09	Secondary Sludge Sump	2	3.0 W	3.0 L	3.5 SWD
10	Chlorine Contact Tank	1	2.0 W	42.0 L	2.0 SWD
11	Dechlorine Mixing Tank	1	6.8 W	5.0 L	2.0 SWD
12	Centrifuge Feed Sump	2	6.0 W	6.0 L	4.0 SWD
13	Air Blower Room	1	8.0 W	20.0 L	6.0 H
14	Chemical Building	1	10.0 W	15.0 L	6.0 H
15	Centrifuge Building	1	15.0 W	23.0 L	10.0 H
16	Administration Building	1	15.0 W	23.0 L	10.0 H
17	Sludge Storage Yard	1	10.0 W	20.0 L	
18	Transformer & DG Room	1	10.0 W	26.0 L	
19					

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

JAPAN INTERNATIONAL COOPERATION AGENCY

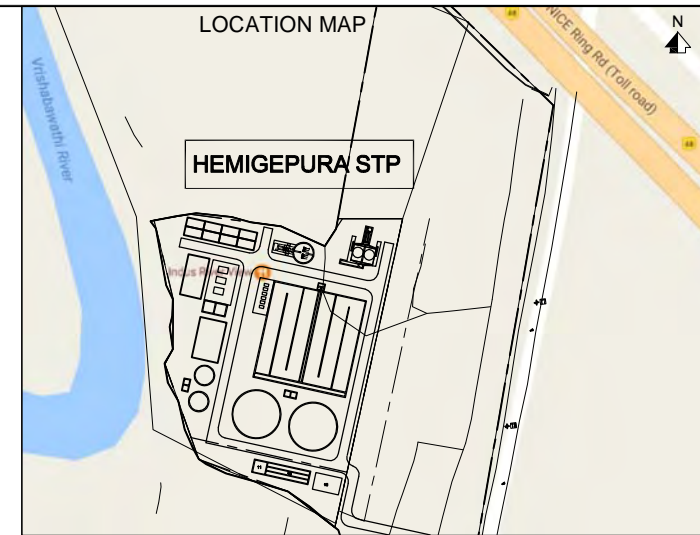
NJS CONSULTANTS CO., LTD.

DRAWING TITLE	SCALE
D-1 SOMAPURA 8MLD STP GENERAL LAYOUT	1:1000
DRAWING NO.	
S-015	



Main Process ———
 Sludge Line - - - - -
 Other Line - · - · -

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3) ベンガルール上下水道整備事業(フェーズ3)	
JAPAN INTERNATIONAL COOPERATION AGENCY	
NJS CONSULTANTS CO., LTD.	
DRAWING TITLE D-1 SOMAPURA 8MLD STP PROCESS FLOW & HYDRAULIC PROFILE	SCALE NTS DRAWING NO. S-016



Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
TSPS					
P1	Inlet Chamber	1	2.5 W	2.5 L	0.6 SWD
P2	Main Screen Channel	1	1.0 W	6.0 L	0.6 SWD
P3	Bypass Screen Channel	1	1.0 W	6.0 L	0.6 SWD
P4	Raw Sewage Sump	1	11.0 Dia.		2.0 SWD

Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
STP					
01	Inlet Chamber	1	2.1 W	2.5 L	2.0 SWD
02	Main Screen Channel	1	0.8 W	6.0 L	0.5 SWD
03	Bypass Screen Channel	1	0.8 W	6.0 L	0.5 SWD
04	Grit Chamber	2	6.0 W	6.0 L	0.9 SWD
05	Parshall Flume	1	1.5 W	10.0 L	0.7 SWD
06	Distribution Chamber	2	3.4 W	3.4 L	1.8 SWD
07	Anaerobic/Anoxic/Aerobic Tank	2	8.0 W	156 L	5.5 H
08	Final Clarifier	2	26.5 Dia.		3.5 SWD
09	Secondary Sludge Sump	2	3.0 W	3.0 L	3.5 SWD
10	Chlorine Contact Tank	1	2.0 W	72.0 L	2.0 SWD
11	Dechlorine Mixing Tank	1	6.8 W	7.0 L	2.0 SWD
12	Sludge Thickener	2	10.5 Dia.		4.0 SWD
13	Thickened Sludge Sump	2	3.5 W	4.0 L	3.0 SWD
14	Centrifuge Feed Sump	2	5.0 W	6.0 L	4.0 SWD
15	Air Blower Room	1	8.0 W	12.0 L	6.0 H
16	Chemical Building	1	8.0 W	10.0 L	6.0 H
17	Centrifuge Building	1	15.0 W	23.0 L	10.0 H
18	Administration Building	1	15.0 W	23.0 L	10.0 H
19	Sludge Storage Yard	1	10.0 W	40.0 L	
20	Transformer & DG Room	1	12.0 W	23.0 L	

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

JAPAN INTERNATIONAL COOPERATION AGENCY

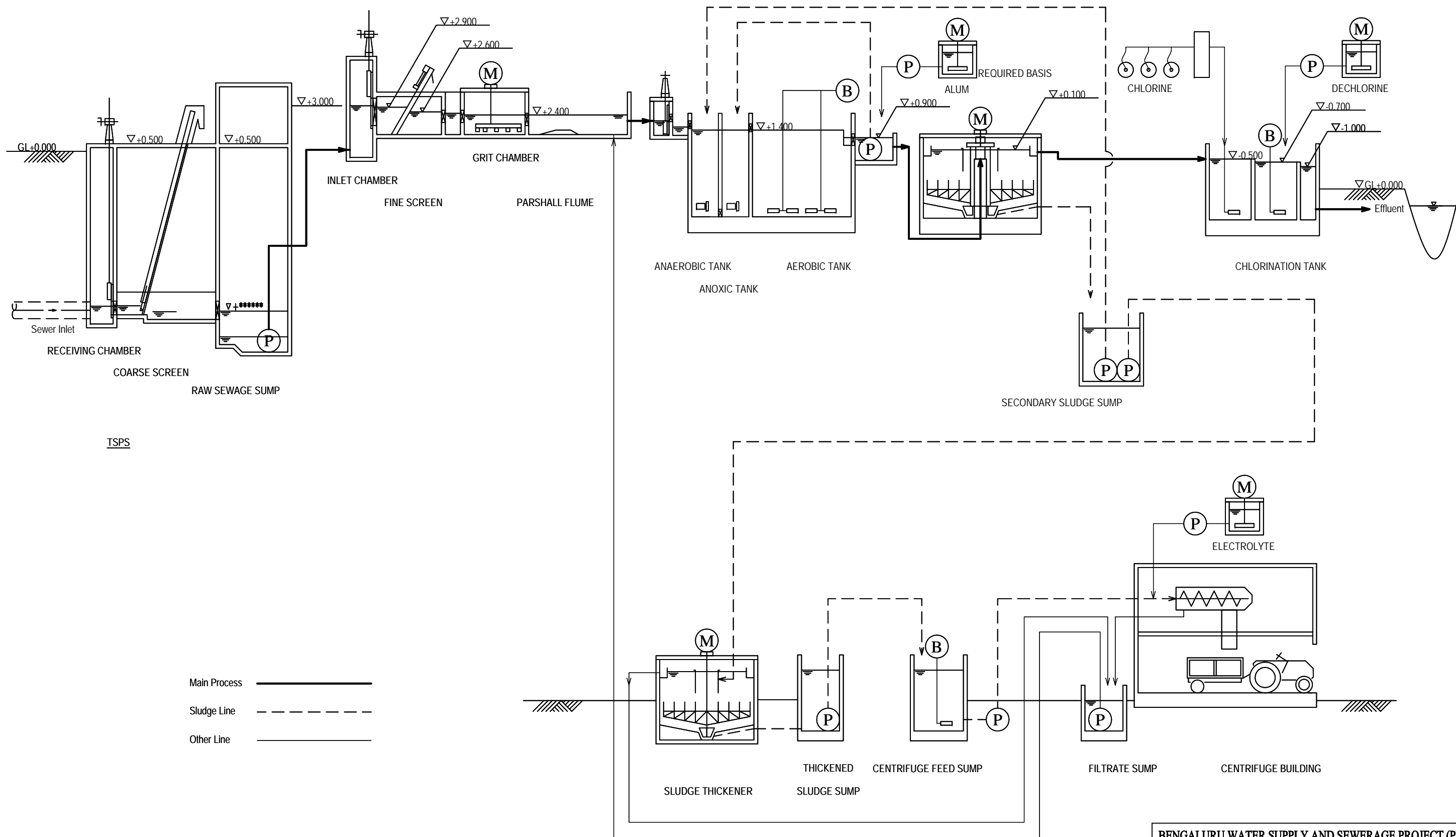
NJS CONSULTANTS CO., LTD.

DRAWING TITLE
**D-2 HEMIGEPURA 13MLD STP
 GENERAL LAYOUT**

SCALE
1:1000

DRAWING NO.
S-017

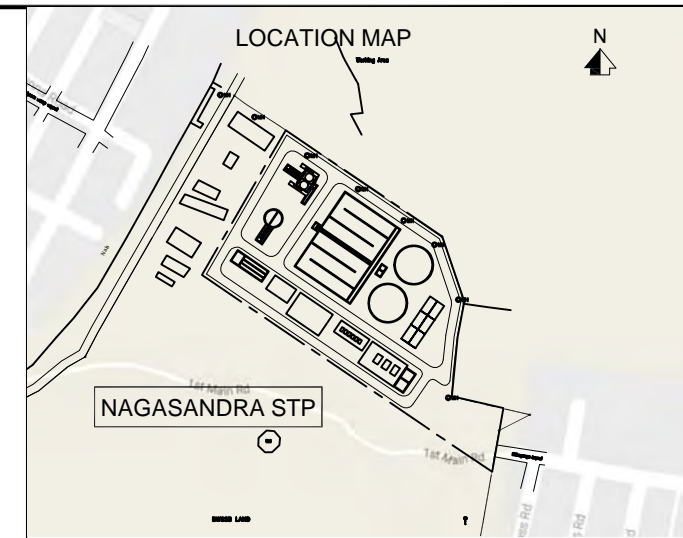
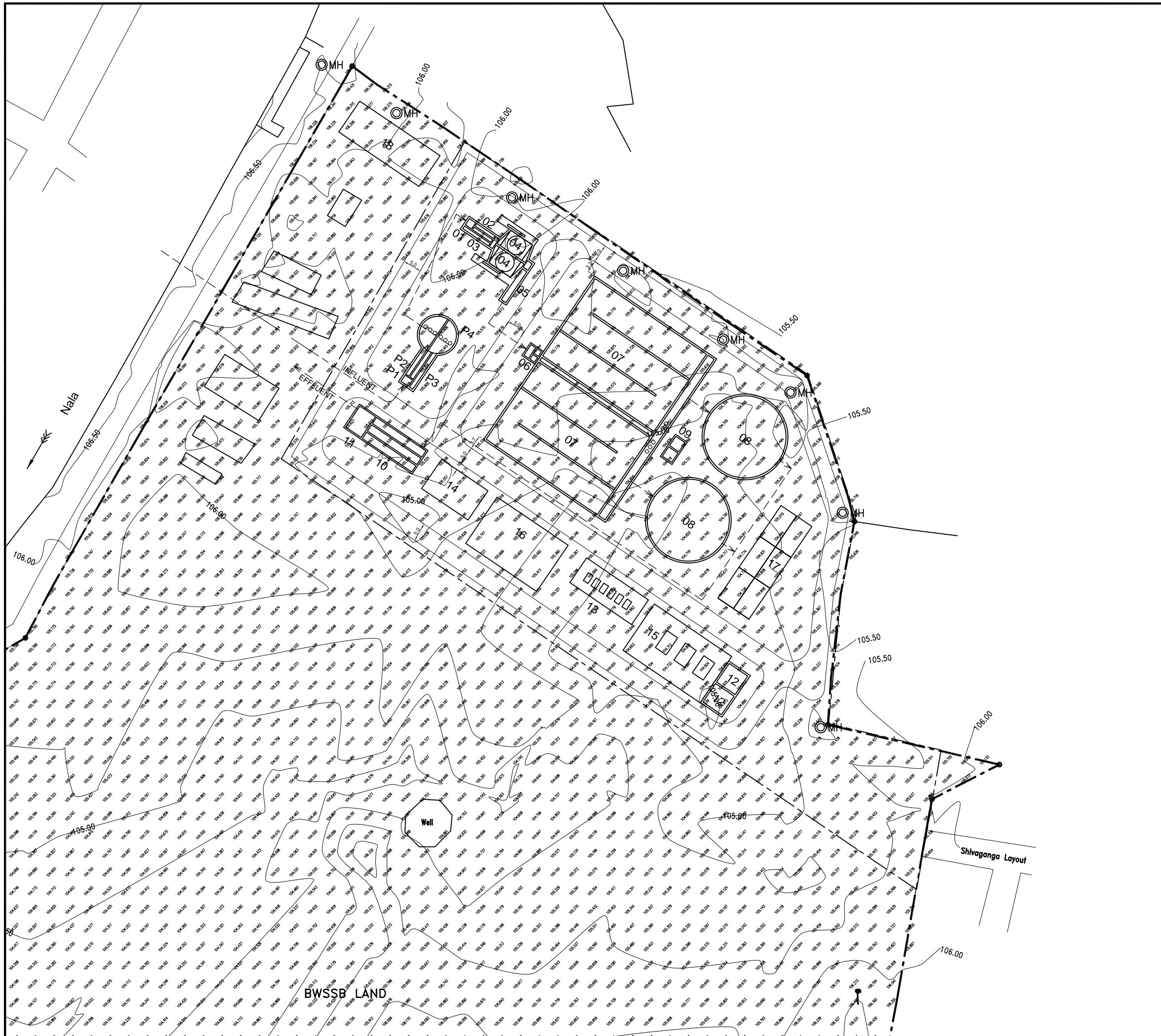
AGRICUTURAL LAND



TSPS

Main Process ———
 Sludge Line - - - - -
 Other Line ———

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3) ベンガルール上下水道整備事業(フェーズ3)	
jica JAPAN INTERNATIONAL COOPERATION AGENCY	
njs NJS CONSULTANTS CO., LTD.	
DRAWING TITLE D-2 HEMIGEPURA 13MLD STP PROCESS FLOW & HYDRAULIC PROFILE	SCALE NTS DRAWING NO. S-018



Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
TSPS					
P1	Inlet Chamber	1	2.5 W	2.5 L	0.6 SWD
P2	Coarse Screen Channel	2	1.0 W	6.0 L	0.6 SWD
P3	Bypass Screen Channel	1	1.0 W	6.0 L	0.6 SWD
P4	Raw Sewage Sump	1	10.0 Dia.		1.7 SWD

Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
STP					
01	Inlet Chamber	1	2.1 W	2.0 L	1.5 SWD
02	Fine Screen Channel	2	0.8 W	6.0 L	0.4 SWD
03	Bypass Screen Channel	1	0.8 W	6.0 L	0.4 SWD
04	Grit Chamber	2	5.0 W	5.0 L	0.9 SWD
05	Parshall Flume	1	1.5 W	10.0 L	0.7 SWD
06	Distribution Chamber	1	3.4 W	3.4 L	1.8 SWD
07	Anaerobic/Anoxic/Aerobic Tank	2	8.0 W	108.0 L	5.5 H
08	Final Clarifier	2	22.0 Dia.		3.5 SWD
09	Secondary Sludge Sump	2	3.0 W	3.0 L	3.5 SWD
10	Chlorine Contact Tank	1	2.0 W	48.0 L	2.0 SWD
11	Dechlorine Mixing Tank	1	6.8 W	5.0 L	2.0 SWD
12	Centrifuge Feed Sump	2	6.0 W	6.0 L	4.0 SWD
13	Air Blower Room	1	8.0 W	20.0 L	6.0 H
14	Chemical Building	1	10.0 W	15.0 L	6.0 H
15	Centrifuge Building	1	15.0 W	23.0 L	10.0 H
16	Administration Building	1	15.0 W	23.0 L	10.0 H
17	Sludge Storage Yard	1	10.0 W	30.0 L	
18	Transformer & DG Room	1	10.0 W	26.0 L	
19					

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 பெங்களூர் உட்கட்டிடம் மற்றும் கழிவுநீர் கட்டுப்பாட்டுத் திட்டம் (பேஸ் 3)

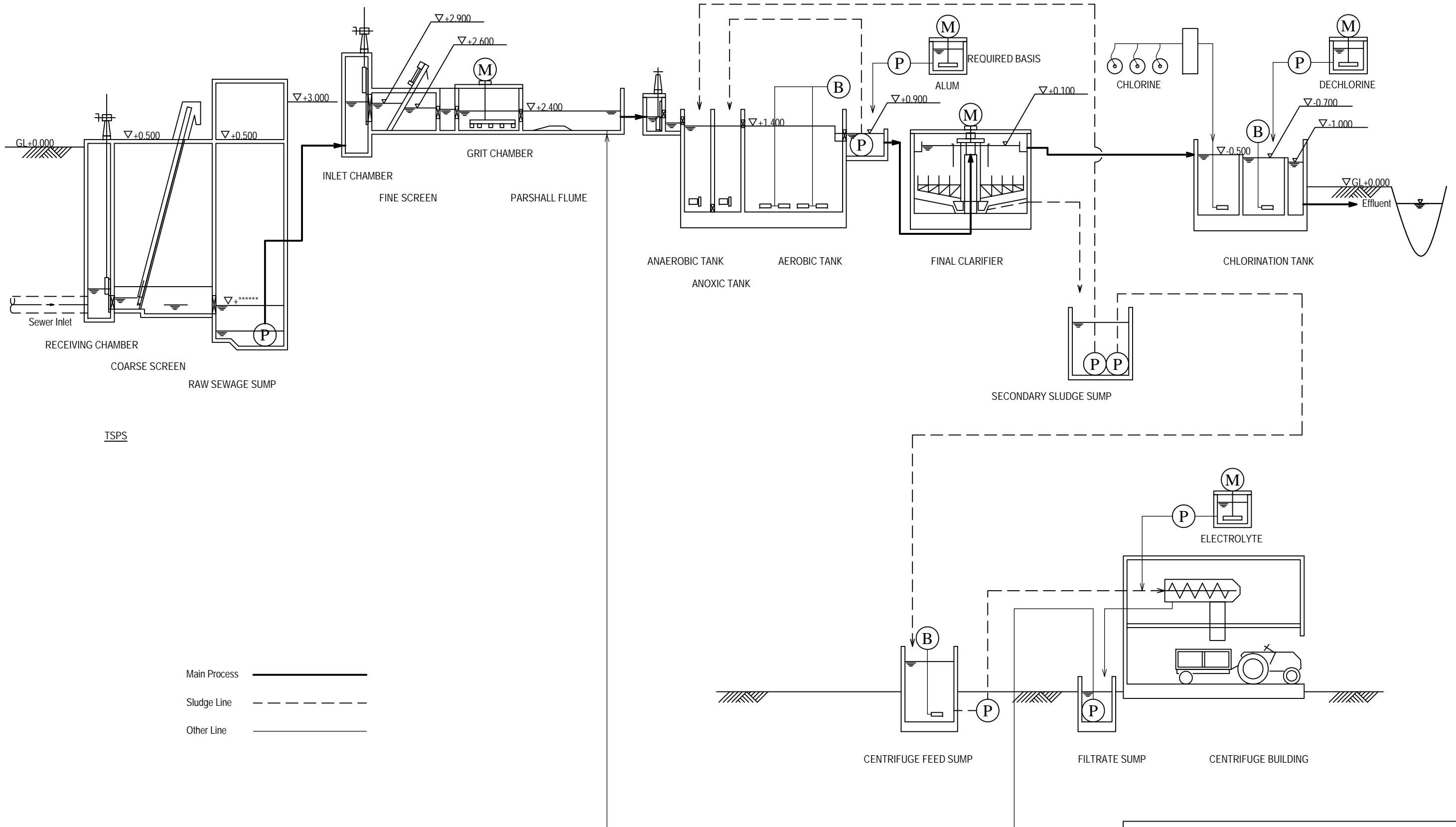
JICA JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

DRAWING TITLE
**E-1 NAGASANDRA 9MLD STP
 GENERAL LAYOUT**

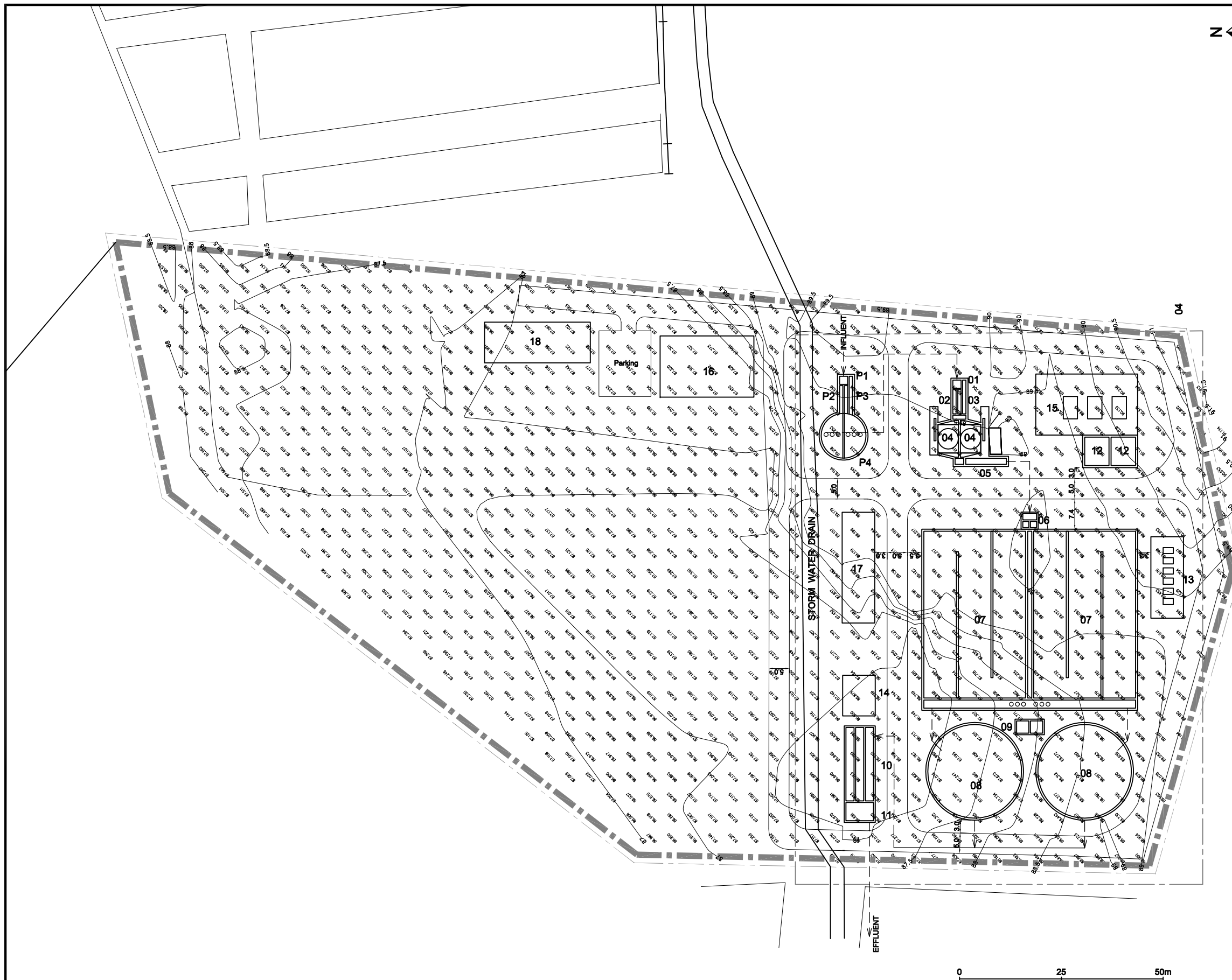
SCALE
1:1000

DRAWING NO.
S-019



Main Process —————
 Sludge Line - - - - -
 Other Line - · - · -

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3) ベンガルール上下水道整備事業(フェーズ3)	
JAPAN INTERNATIONAL COOPERATION AGENCY	
NJS CONSULTANTS CO., LTD.	
DRAWING TITLE E-1 NAGASANDRA 9MLD STP PROCESS FLOW & HYDRAULIC PROFILE	SCALE NTS DRAWING NO. S-020



Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
TSPS					
P1	Inlet Chamber	1	2.0 ^W	2.5 ^L	0.6 ^{SWD}
P2	Coarse Screen Channel	2	1.0 ^W	6.0 ^L	0.6 ^{SWD}
P3	Bypass Screen Channel	1	1.0 ^W	6.0 ^L	0.6 ^{SWD}
P4	Raw Sewage Sump	1	11.0 ^{Dia.}		1.7 ^{SWD}

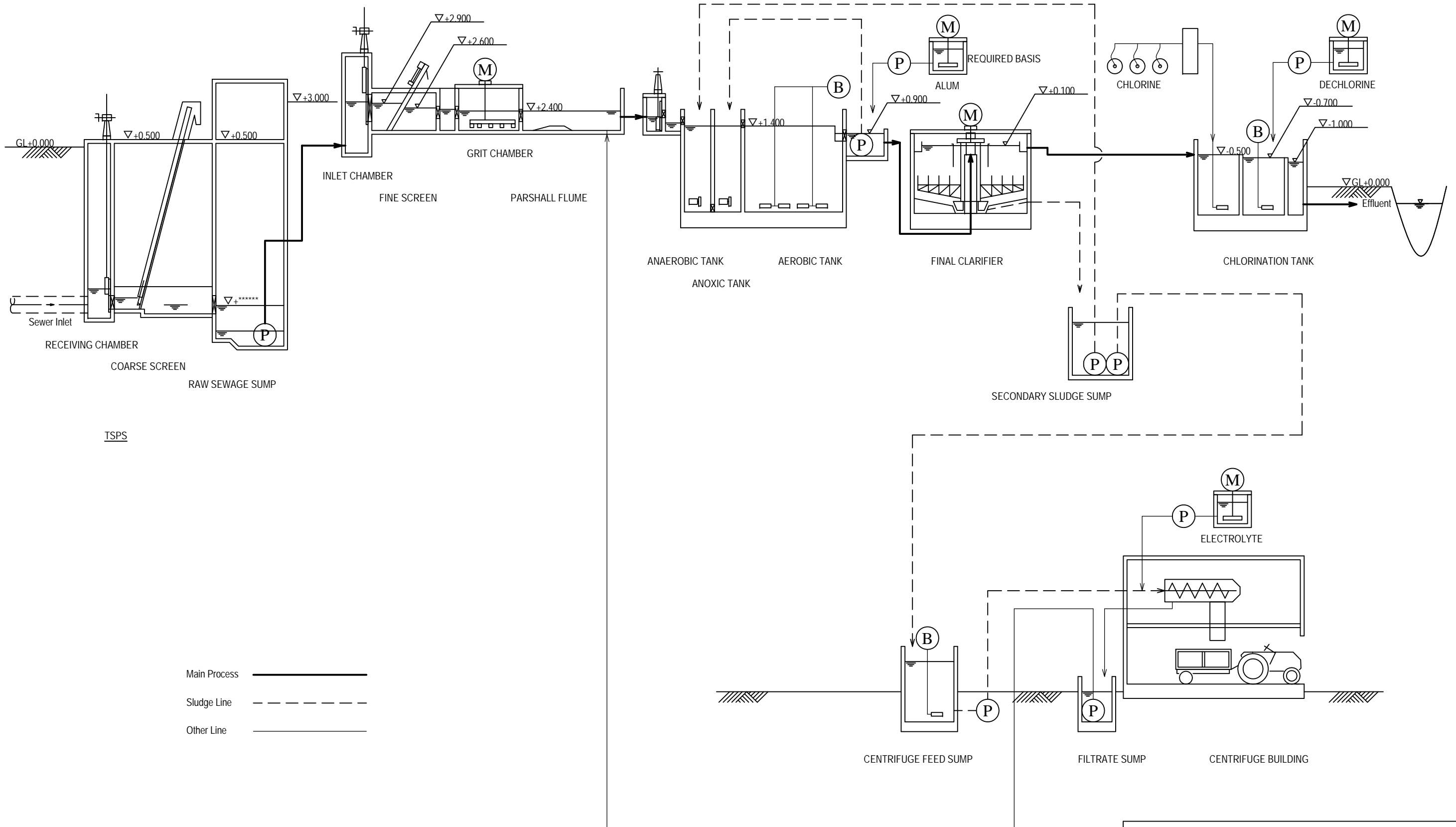
Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
STP					
01	Inlet Chamber	1	2.0 ^W	2.0 ^L	1.5 ^{SWD}
02	Fine Screen Channel	2	0.8 ^W	6.0 ^L	0.4 ^{SWD}
03	Bypass Screen Channel	1	0.8 ^W	6.0 ^L	0.4 ^{SWD}
04	Grit Chamber	2	5.0 ^W	5.0 ^L	0.9 ^{SWD}
05	Parshall Flume	1	1.5 ^W	10.0 ^L	0.8 ^{SWD}
06	Distribution Chamber	1	3.4 ^W	3.4 ^L	1.8 ^{SWD}
07	Anaerobic/Anoxic/Aerobic Tank	2	8.0 ^W	123.0 ^L	5.5 ^H
08	Final Clarifier	2	23.0 ^{Dia.}		3.5 ^{SWD}
09	Secondary Sludge Sump	2	3.0 ^W	3.0 ^L	3.5 ^{SWD}
10	Chlorine Contact Tank	1	2.0 ^W	54.0 ^L	2.0 ^{SWD}
11	Dechlorine Mixing Tank	1	6.8 ^W	5.5 ^L	2.0 ^{SWD}
12	Centrifuge Feed Sump	2	6.0 ^W	7.0 ^L	4.0 ^{SWD}
13	Air Blower Room	1	8.0 ^W	20.0 ^L	6.0 ^H
14	Chemical Building	1	10.0 ^W	15.0 ^L	6.0 ^H
15	Centrifuge Building	1	15.0 ^W	23.0 ^L	10.0 ^H
16	Administration Building	1	15.0 ^W	23.0 ^L	10.0 ^H
17	Sludge Storage Yard	1	8.0 ^W	27.0 ^L	
18	Transformer & DG Room	1	10.0 ^W	26.0 ^L	
19					

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガール上下水道整備事業(フェーズ3)

JAPAN INTERNATIONAL COOPERATION AGENCY

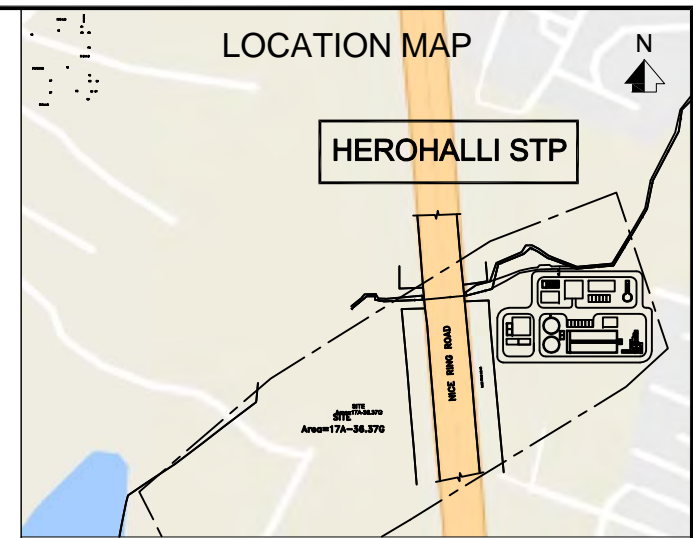
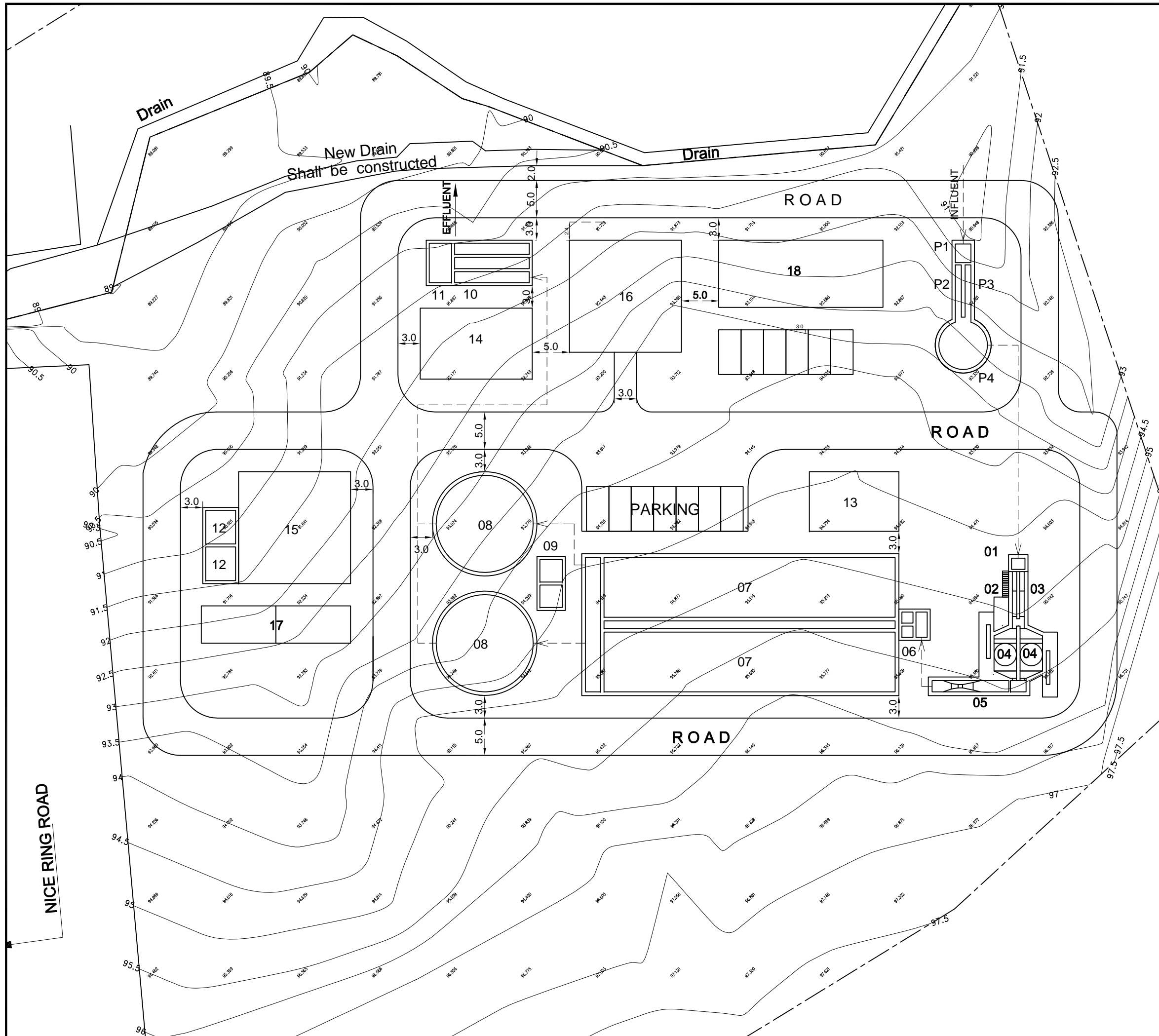
NJS CONSULTANTS CO., LTD.

DRAWING TITLE	SCALE
E-2 KARIVOBANAHALLI 10MLD STP GENERAL LAYOUT	1:1000
DRAWING NO.	
S-021	



Main Process ————
 Sludge Line - - - - -
 Other Line - · - · -

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3) ベンガルール上下水道整備事業(フェーズ3)	
JAPAN INTERNATIONAL COOPERATION AGENCY	
NJS CONSULTANTS CO., LTD.	
DRAWING TITLE E-2 KARIVOBANAHALLI 10MLD STP PROCESS FLOW & HYDRAULIC PROFILE	SCALE NTS DRAWING NO. S-022



Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
TSPS					
P1	Inlet Chamber	1	1.8 W	2.5 L	0.6 SWD
P2	Coarse Screen Channel	1	0.8 W	6.0 L	0.5 SWD
P3	Bypass Screen Channel	1	0.8 W	6.0 L	0.5 SWD
P4	Raw Sewage Sump	1	6.5 Dia.		1.7 SWD

Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
STP					
01	Inlet Chamber	1	1.8 W	1.5 L	1.0 SWD
02	Fine Screen Channel	1	0.6 W	6.0 L	0.4 SWD
03	Bypass Screen Channel	1	0.6 W	6.0 L	0.4 SWD
04	Grit Chamber	2	3.0 W	3.0 L	0.9 SWD
05	Parshall Flume	1	1.5 W	10.0 L	0.7 SWD
06	Distribution Chamber	1	3.4 W	3.4 L	1.8 SWD
07	Anaerobic/Anoxic/Aerobic Tank	2	8.0 W	39.0 L	5.5 H
08	Final Clarifier	2	13.0 Dia.		3.5 SWD
09	Secondary Sludge Sump	2	3.0 W	3.0 L	3.5 SWD
10	Chlorine Contact Tank	1	1.5 W	30.0 L	1.5 SWD
11	Dechlorine Mixing Tank	1	5.3 W	3.0 L	1.5 SWD
12	Centrifuge Feed Sump	2	4.0 W	4.5 L	3.5 SWD
13	Air Blower Room	1	8.0 W	12.0 L	6.0 H
14	Chemical Building	1	10.0 W	15.0 L	6.0 H
15	Centrifuge Building	1	15.0 W	15.0 L	10.0 H
16	Administration Building	1	15.0 W	15.0 L	10.0 H
17	Sludge Storage Yard	1	8.0 W	27.0 L	
18	Transformer & DG Room	1	9.0 W	22.0 L	10.0 H

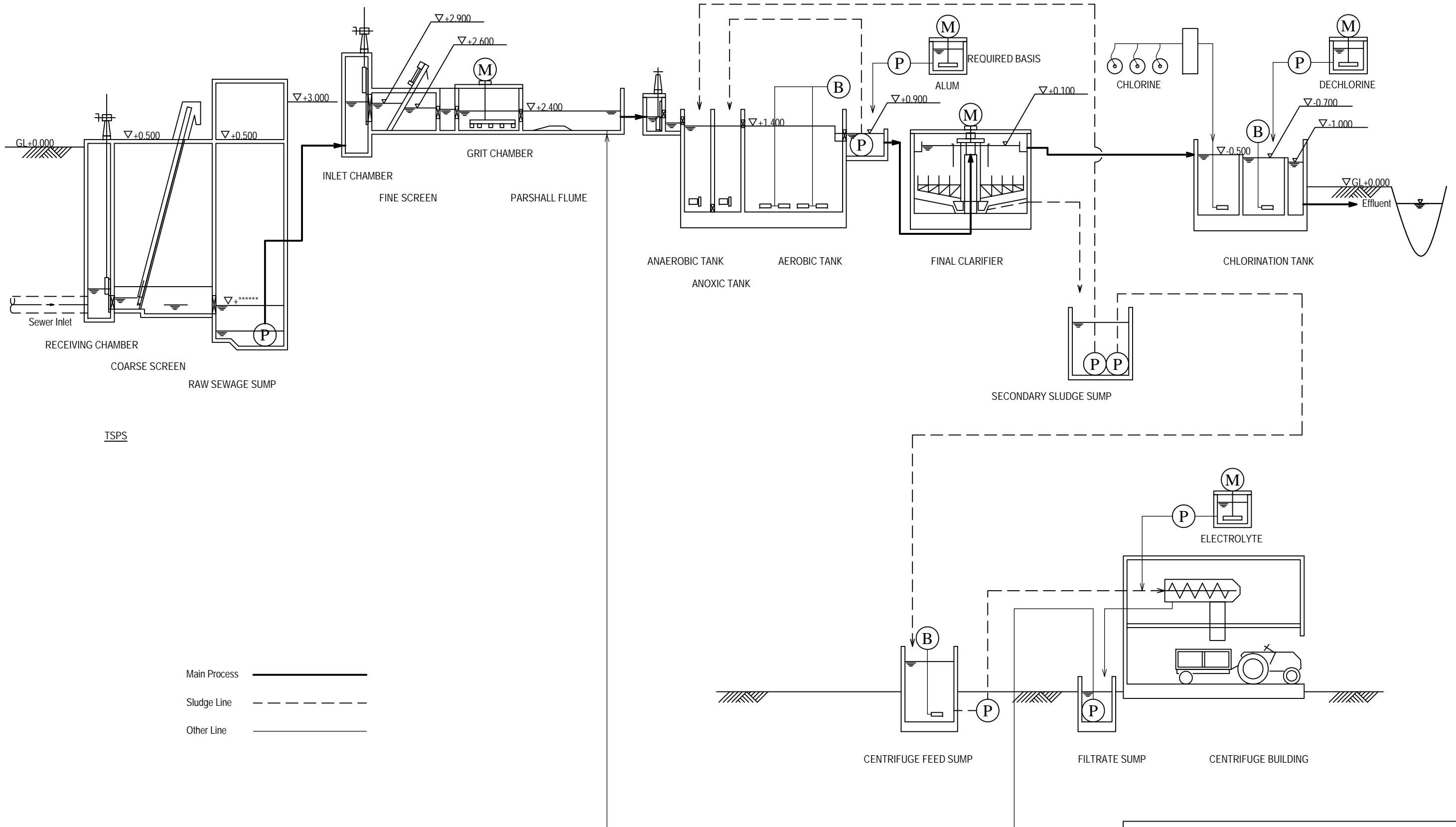
BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

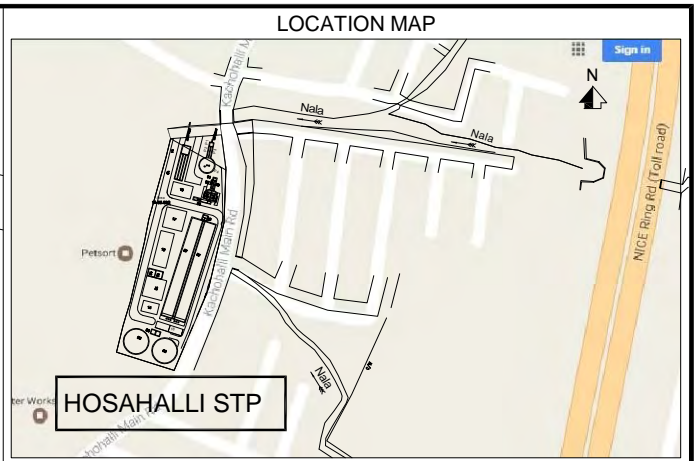
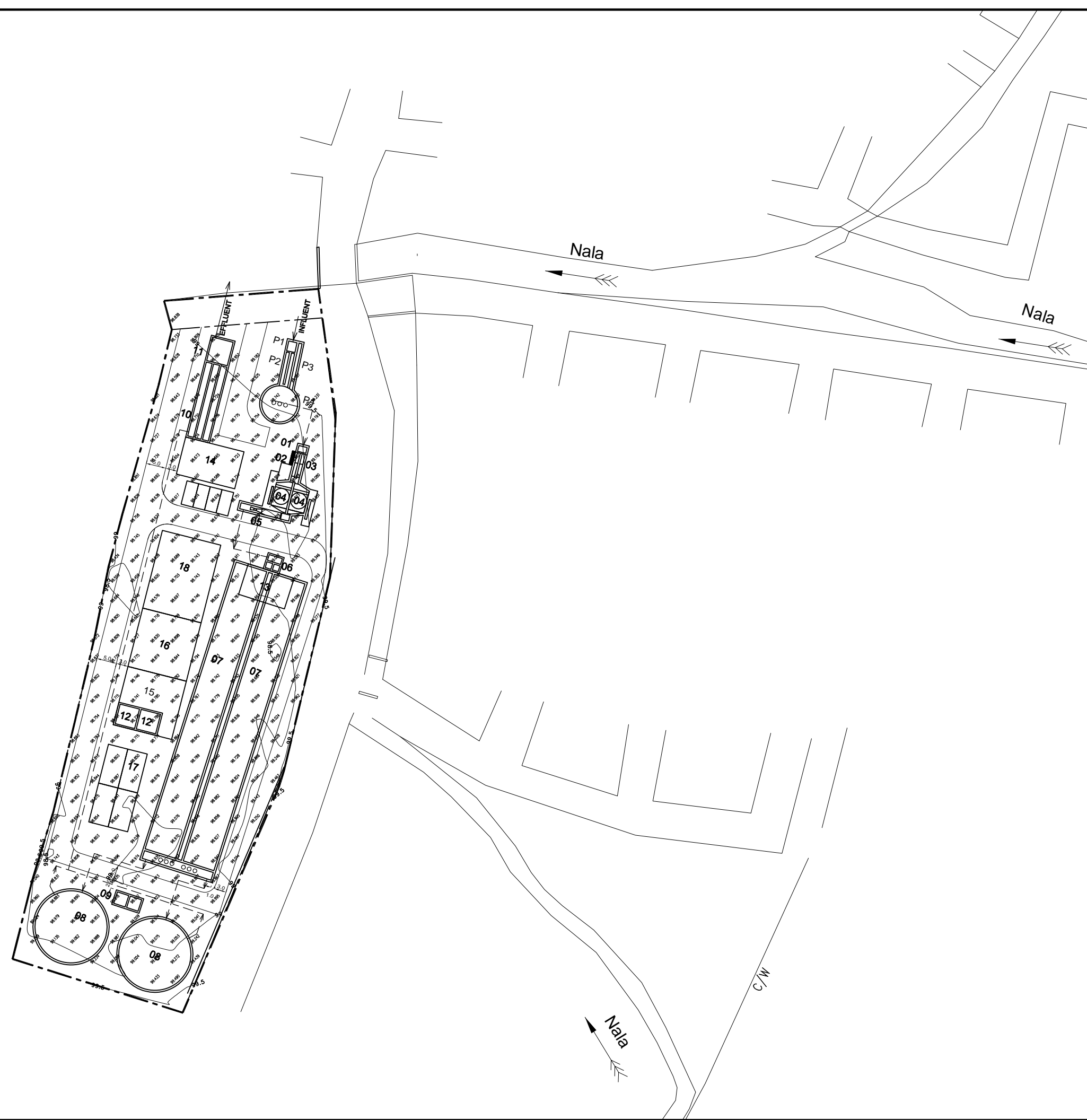
DRAWING TITLE
**E-3 HEROHALLI 3MLD STP
 GENERAL LAYOUT**

SCALE
1:500
 DRAWING NO.
S-023



Main Process —————
 Sludge Line - - - - -
 Other Line - · - · -

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3) ベンガルール上下水道整備事業(フェーズ3)	
JAPAN INTERNATIONAL COOPERATION AGENCY	
NJS CONSULTANTS CO., LTD.	
DRAWING TITLE E-3 HEROHALLI 3MLD STP PROCESS FLOW & HYDRAULIC PROFILE	SCALE NTS DRAWING NO. S-024



Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
TSPS					
P1	Inlet Chamber	1	2.1 W	2.5 ^L	0.6 SWD
P2	Coarse Screen Channel	2	0.8 W	6.0 ^L	0.5 SWD
P3	Bypass Screen Channel	1	0.8 W	6.0 ^L	0.5 SWD
P4	Raw Sewage Sump	1	9.0 Dia.		1.7 SWD

Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
STP					
01	Inlet Chamber	1	2.1 W	1.5 ^L	2.0 SWD
02	Fine Screen Channel	1	0.8 W	6.0 ^L	0.5 SWD
03	Bypass Screen Channel	1	0.8 W	6.0 ^L	0.5 SWD
04	Grit Chamber	2	4.0 W	4.0 ^L	0.9 SWD
05	Parshall Flume	1	1.5 W	10.0 ^L	0.7 SWD
06	Distribution Chamber	1	3.4 W	3.4 ^L	1.8 SWD
07	Anaerobic/Anoxic/Aerobic Tank	2	8.0 W	75.0 ^L	5.5 ^H
08	Final Clarifier	2	18.0 Dia.		3.5 SWD
09	Secondary Sludge Sump	2	3.0 W	3.0 ^L	3.5 SWD
10	Chlorine Contact Tank	1	1.5 W	57.0 ^L	1.5 SWD
11	Dechlorine Mixing Tank	1	5.3 W	6.0 ^L	1.5 SWD
12	Centrifuge Feed Sump	2	5.0 W	5.0 ^L	4.0 SWD
13	Air Blower Room	1	8.0 W	12.0 ^L	6.0 ^H
14	Chemical Building	1	10.0 W	15.0 ^L	6.0 ^H
15	Centrifuge Building	1	15.0 W	15.0 ^L	10.0 ^H
16	Administration Building	1	15.0 W	15.0 ^L	10.0 ^H
17	Sludge Storage Yard	1	10.0 W	20.0 ^L	
18	Transformer & DG Room	1	15.0 W	20.0 ^L	
19					

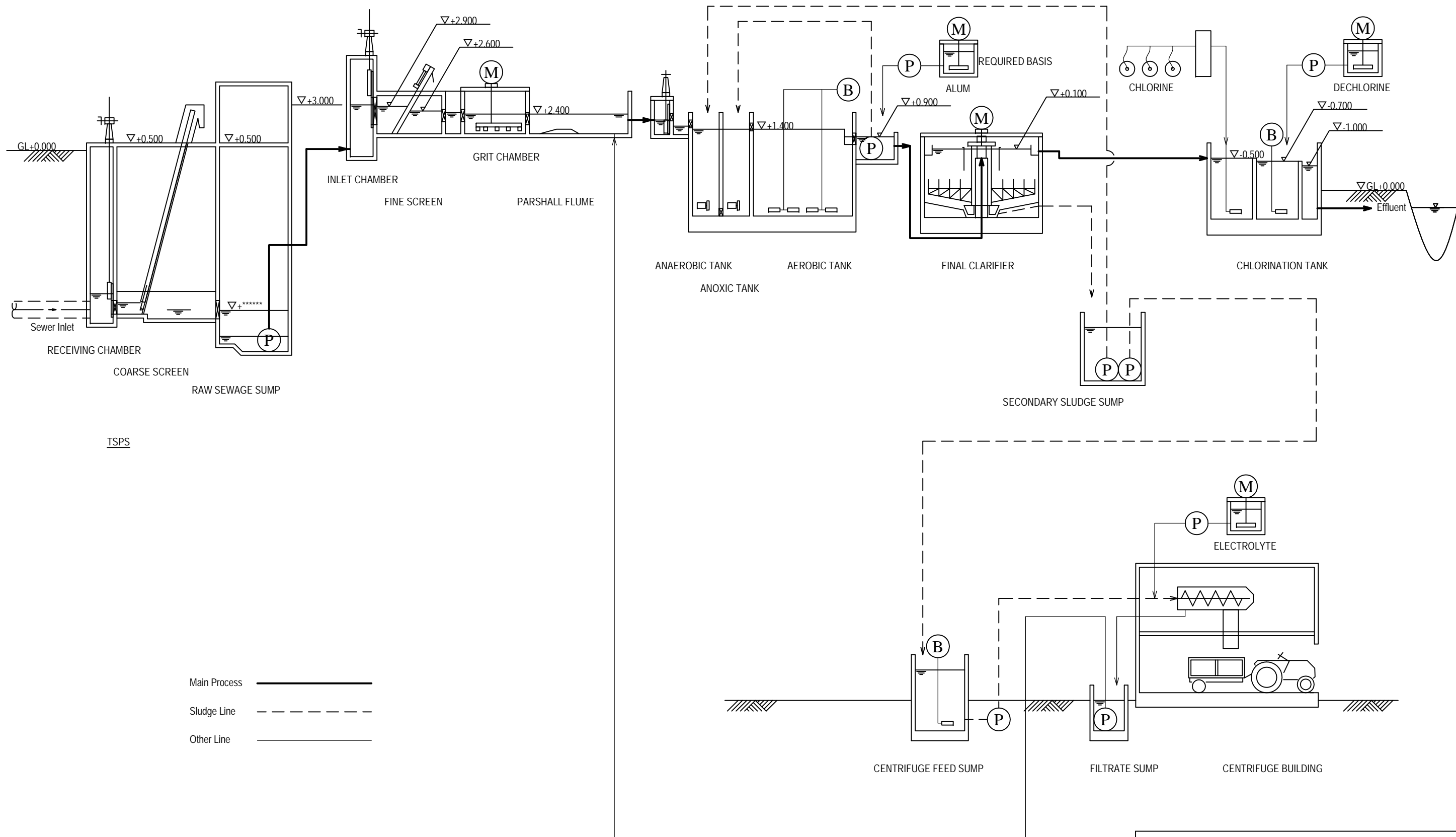
BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

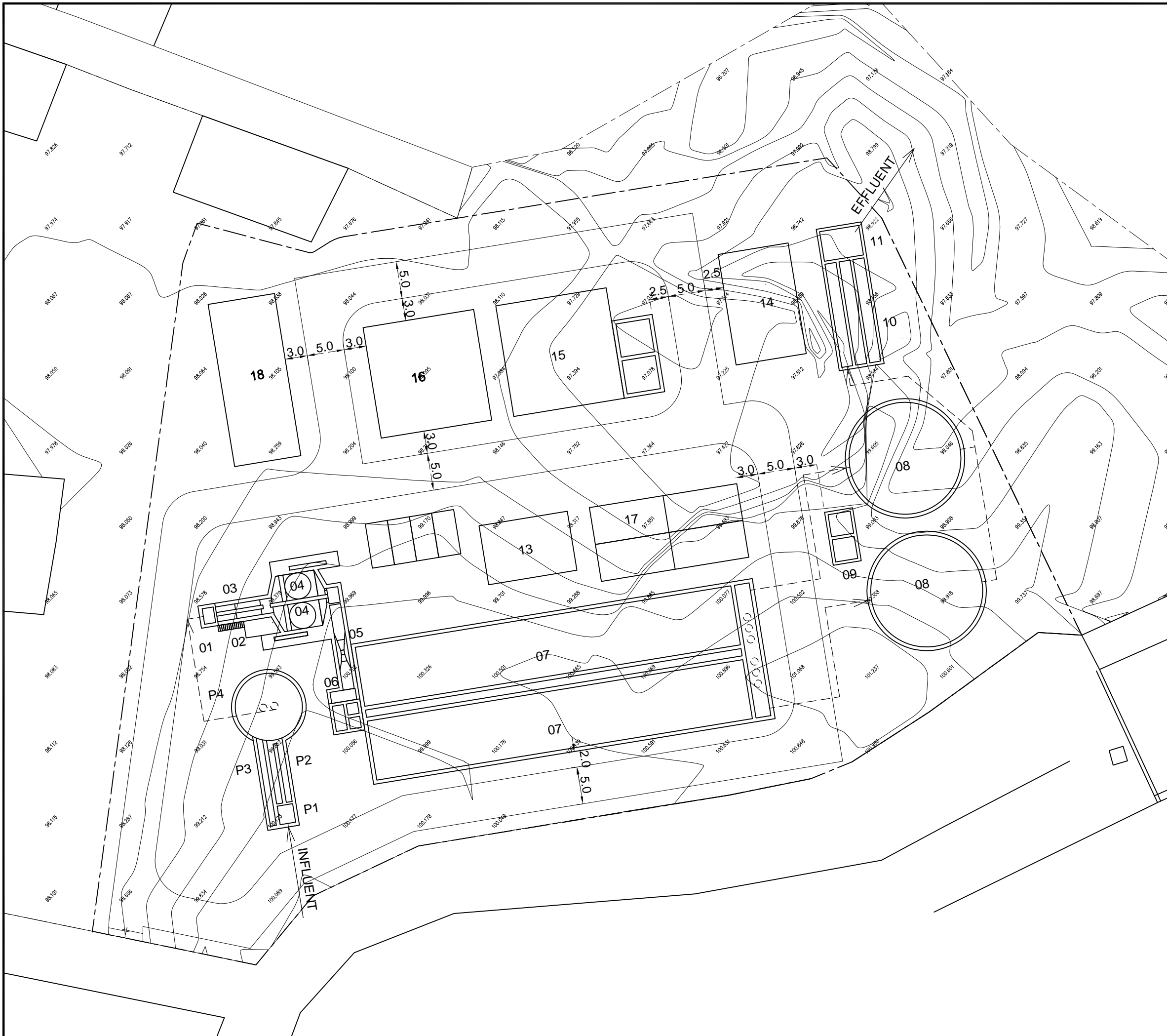
E-4 HOSAHALLI 6MLD STP
 GENERAL LAYOUT

SCALE: 1:1000
 DRAWING NO.: S-025



Main Process ———
 Sludge Line - - - - -
 Other Line - · - · -

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3) ベンガルール上下水道整備事業(フェーズ3)	
JAPAN INTERNATIONAL COOPERATION AGENCY	
NJS CONSULTANTS CO., LTD.	
DRAWING TITLE E-4 HOSAHALLI 6MLD STP PROCESS FLOW & HYDRAULIC PROFILE	SCALE NTS DRAWING NO. S-026



Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
TSPS					
P1	Inlet Chamber	1	2.1 W	2.5 L	0.6 SWD
P2	Coarse Screen Channel	2	0.8 W	6.0 L	0.5 SWD
P3	Bypass Screen Channel	1	0.8 W	6.0 L	0.5 SWD
P4	Raw Sewage Sump	1	9.0 Dia.		1.0 SWD

Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
STP					
01	Inlet Chamber	1	1.8 W	1.5 L	1.0 SWD
02	Fine Screen Channel	1	0.8 W	6.0 L	0.4 SWD
03	Bypass Screen Channel	1	0.8 W	6.0 L	0.4 SWD
04	Grit Chamber	2	3.5 W	3.5 L	0.9 SWD
05	Parshall Flume	1	1.5 W	10.0 L	0.7 SWD
06	Distribution Chamber	1	3.4 W	3.4 L	1.8 SWD
07	Anaerobic/Anoxic/Aerobic Tank	2	8.0 W	51.0 L	5.5 H
08	Final Clarifier	2	15.0 Dia.		3.5 SWD
09	Secondary Sludge Sump	2	3.0 W	3.0 L	3.5 SWD
10	Chlorine Contact Tank	1	1.5 W	42.0 L	1.5 SWD
11	Dechlorination Mixing Tank	1	5.3 W	4.0 L	1.5 SWD
12	Centrifuge Feed Sump	2	4.5 W	4.5 L	3.0 SWD
13	Air Blower Room	1	8.0 W	12.0 L	6.0 H
14	Chemical Building	1	10.0 W	15.0 L	6.0 H
15	Centrifuge Building	1	15.0 W	15.0 L	10.0 H
16	Administration Building	1	15.0 W	15.0 L	10.0 H
17	Sludge Storage Yard	1	10.0 W	20.0 L	
18	Transformer & DG Room	1	9.0 W	22.0 L	
19					

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

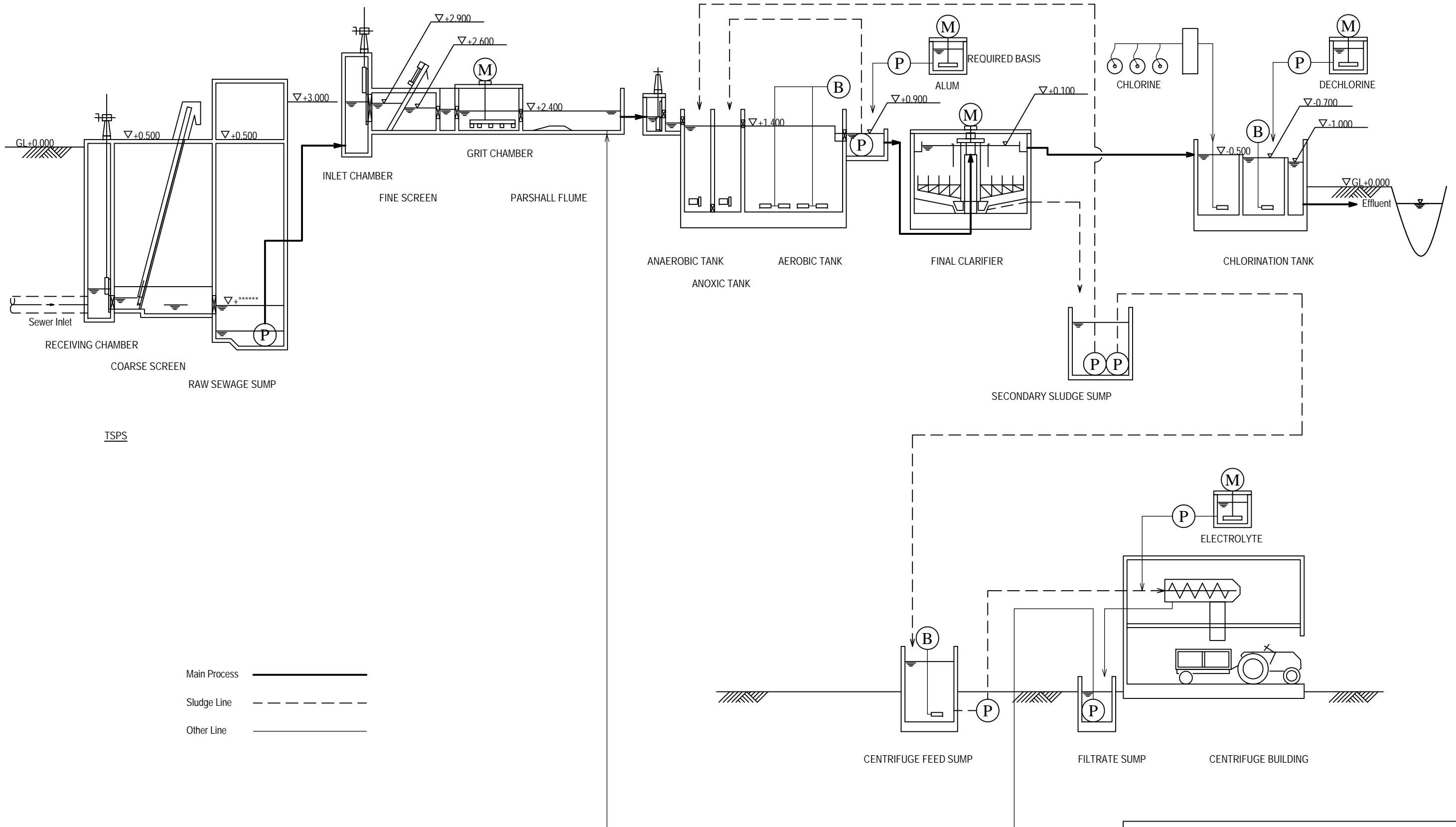
JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

DRAWING TITLE
**E-5 CHIKKABAVARA-2 4MLD STP
 GENERAL LAYOUT**

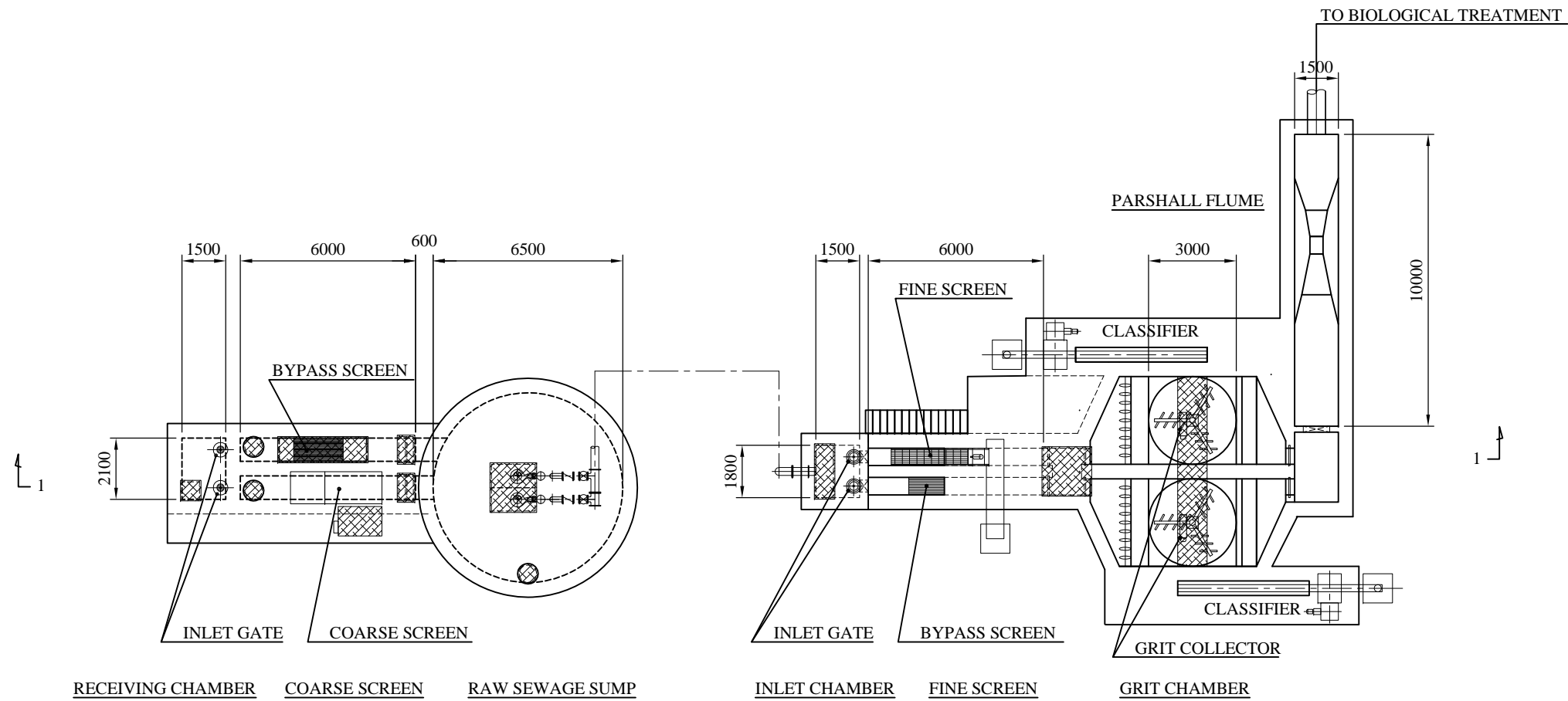
SCALE
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DRAWING NO.
S-027

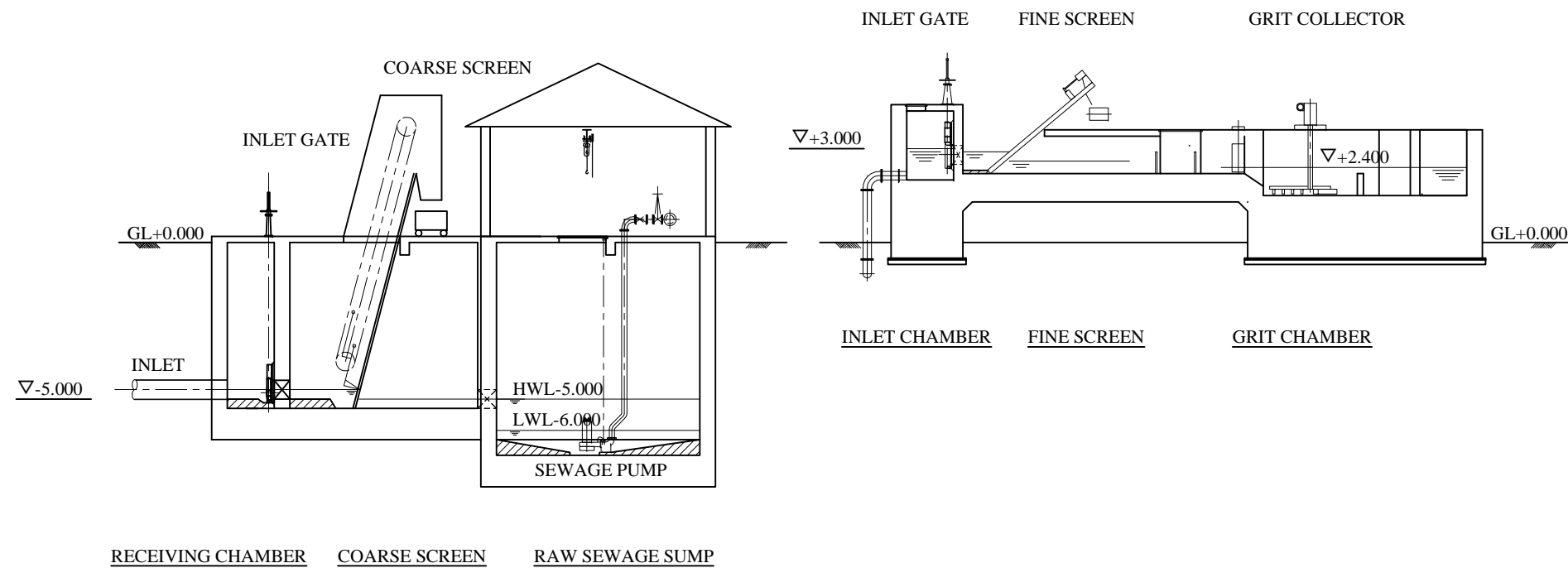


Main Process —————
 Sludge Line - - - - -
 Other Line - · - · -

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3) ベンガルール上下水道整備事業(フェーズ3)	
JAPAN INTERNATIONAL COOPERATION AGENCY	
NJS CONSULTANTS CO., LTD.	
DRAWING TITLE E-5 CIKKABAVARA-2 4MLD STP PROCESS FLOW & HYDRAULIC PROFILE	SCALE NTS DRAWING NO. S-028

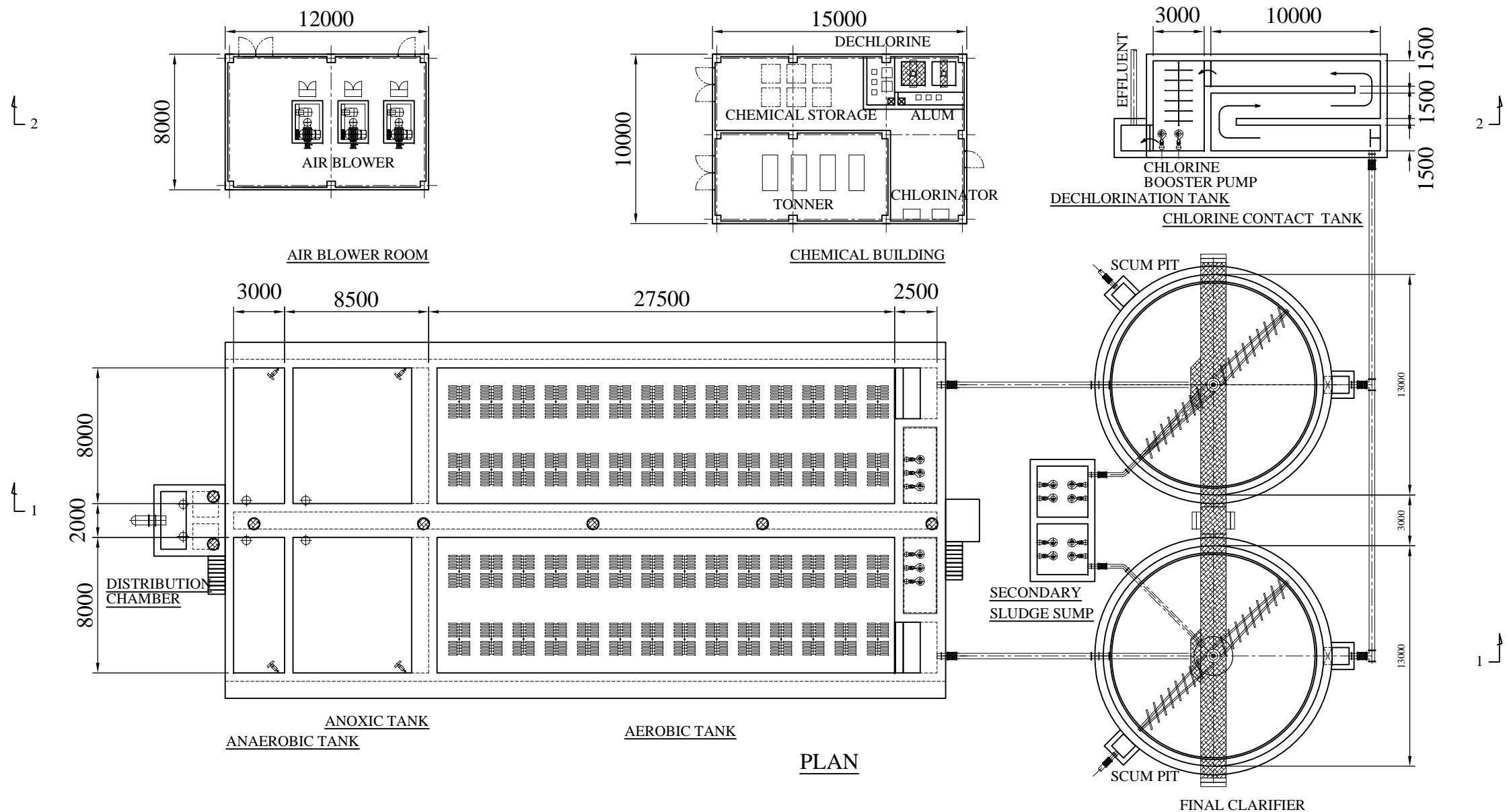


PLAN

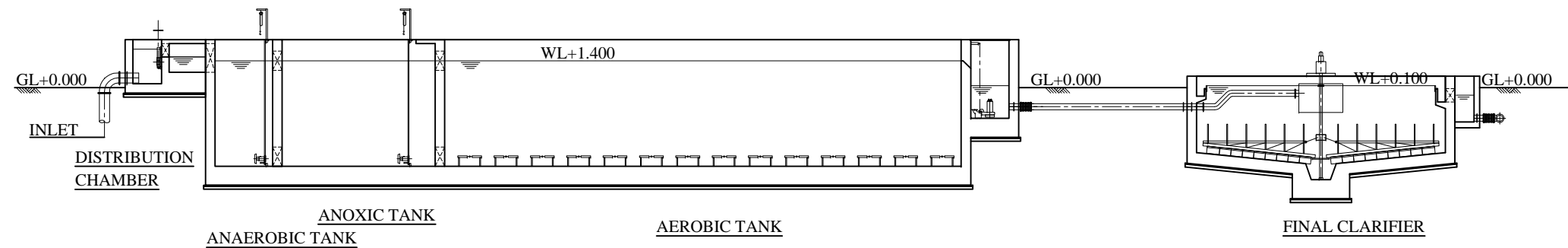


1-1 SECTION

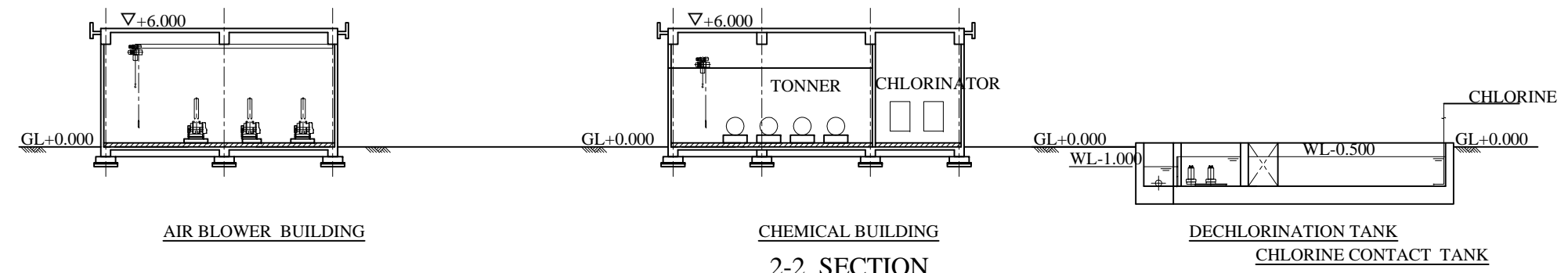
BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3) ベンガルール上下水道整備事業(フェーズ3)	
jica JAPAN INTERNATIONAL COOPERATION AGENCY	
NJS CONSULTANTS CO., LTD.	
DRAWING TITLE TYPICAL 3MLD STP TSPS AND PRE-TREATMENT FACILITY PLAN AND SECTION	SCALE 1:200 DRAWING NO. S-029



PLAN

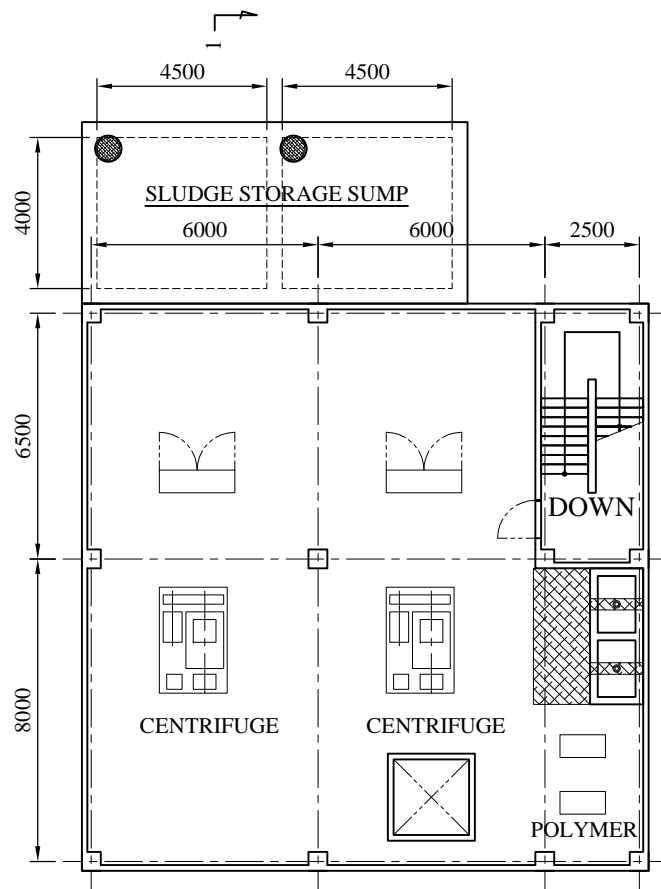


1-1 SECTION

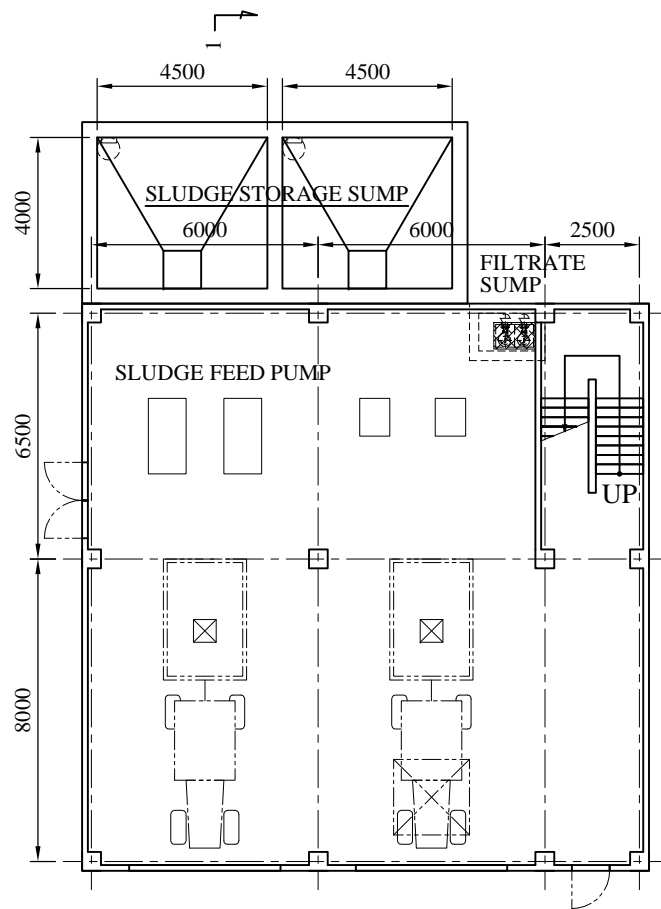


2-2 SECTION

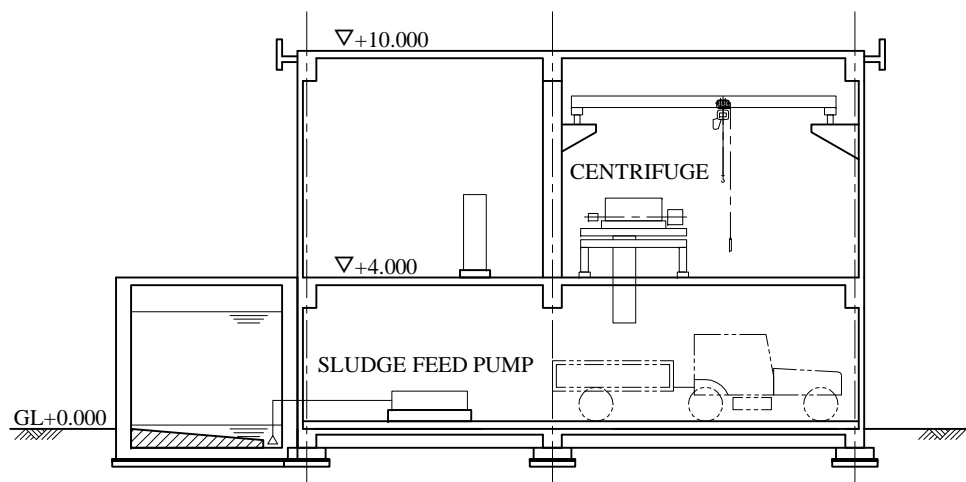
BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3) ベンガルール上下水道整備事業(フェーズ3)	
jica JAPAN INTERNATIONAL COOPERATION AGENCY	
NJS CONSULTANTS CO., LTD.	
DRAWING TITLE TYPICAL 3MLD STP BIOLOGICAL TREATMENT FACILITY PLAN AND SECTION	SCALE 1:300 DRAWING NO. S-030



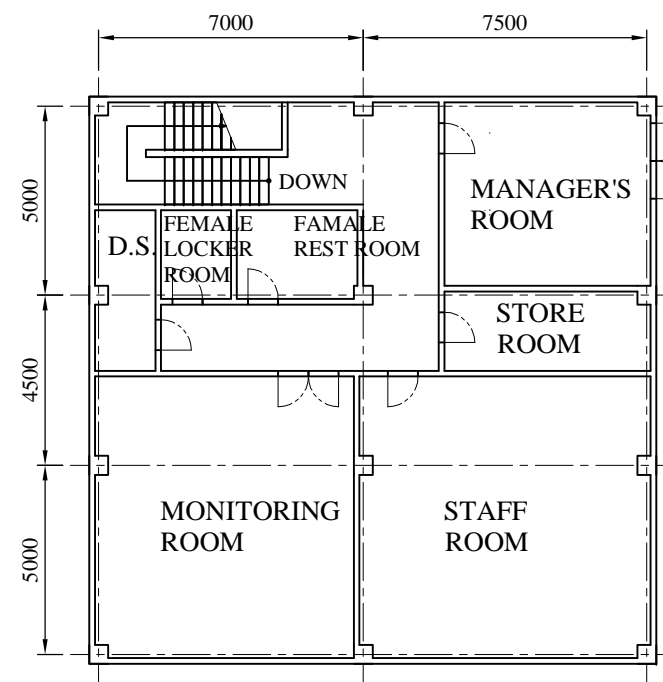
FIRST FLOOR PLAN



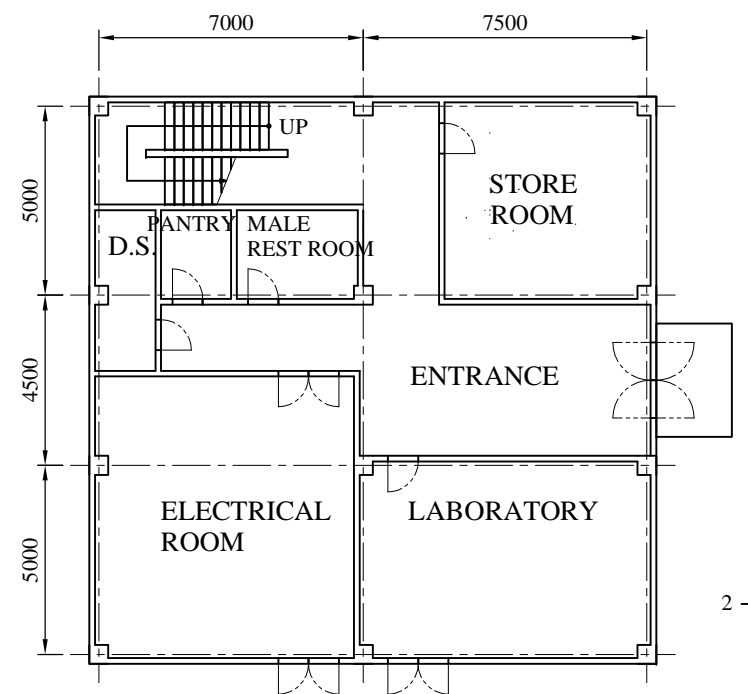
GROUND FLOOR PLAN



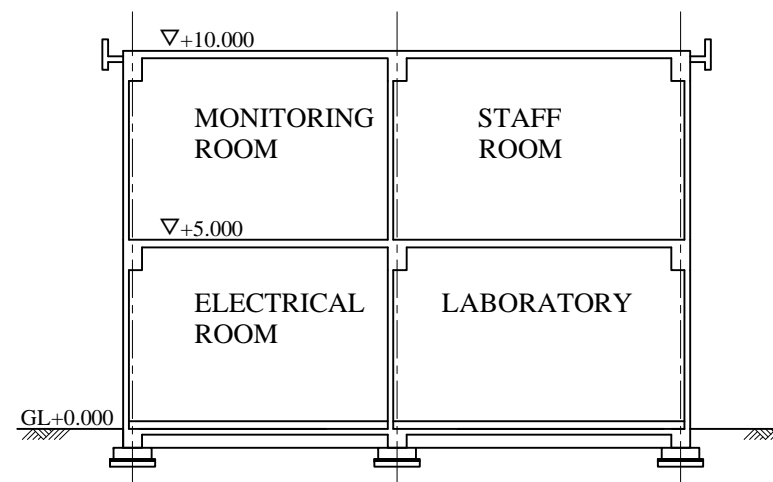
1-1 SECTION
CENTRIFUGE BUILDING



FIRST FLOOR PLAN



GROUND FLOOR PLAN



2-2 SECTION
ADMINISTRATION BUILDING

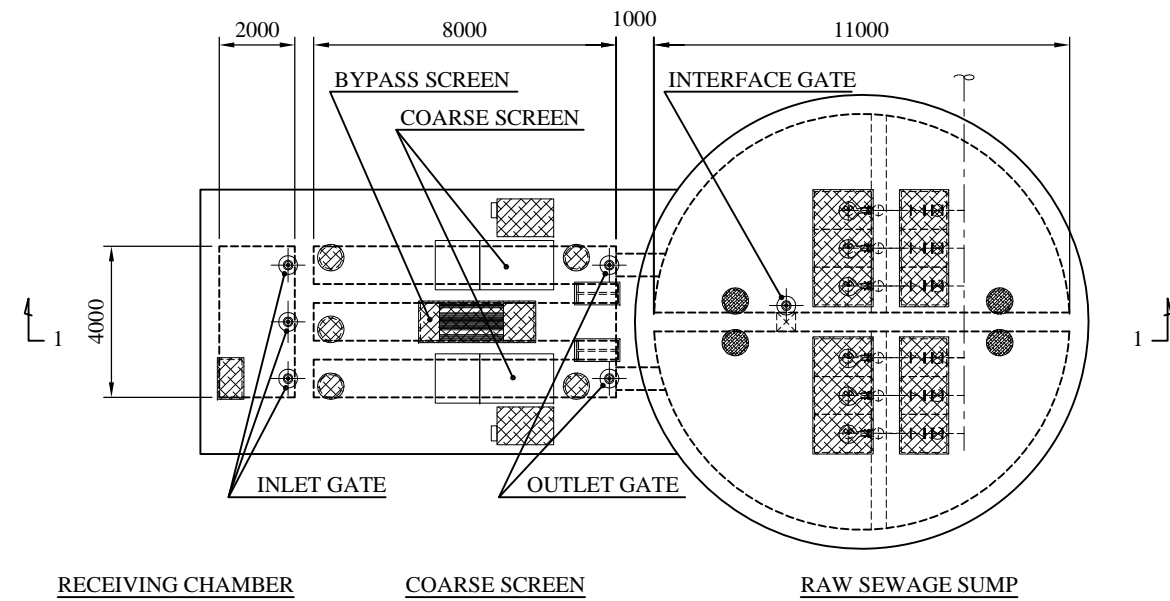
BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

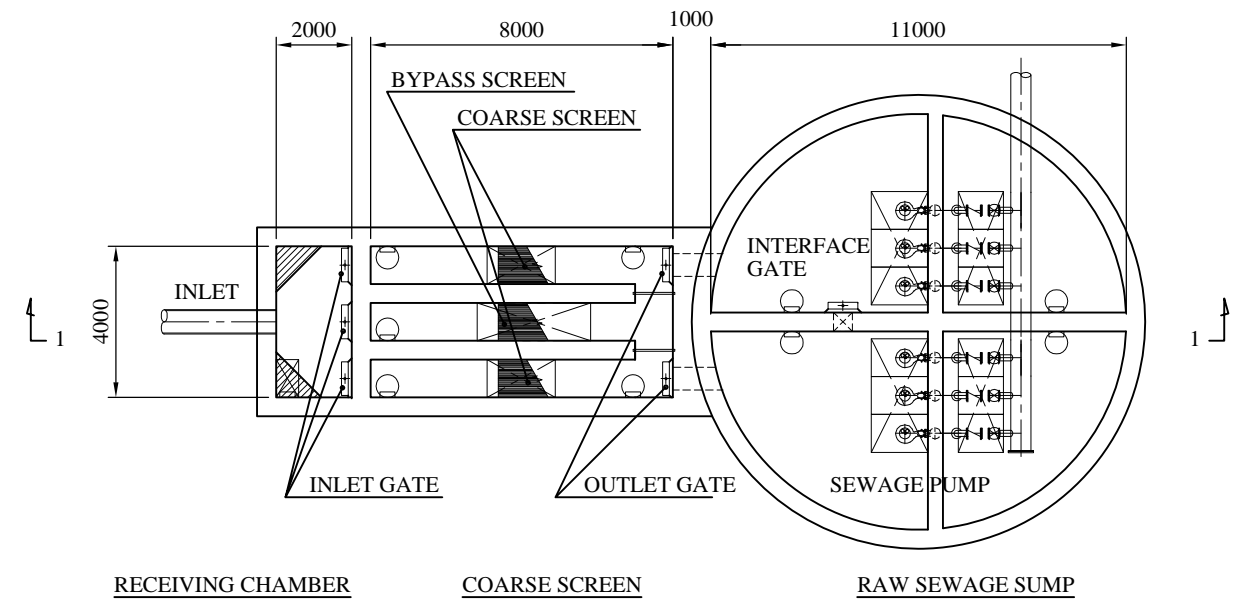
DRAWING TITLE
 TYPICAL 3MLD STP
 CENTRIFUGE AND ADMINISTRATION
 BUILDING PLAN AND SECTION

SCALE
 1:200
 DRAWING NO.
 S-031



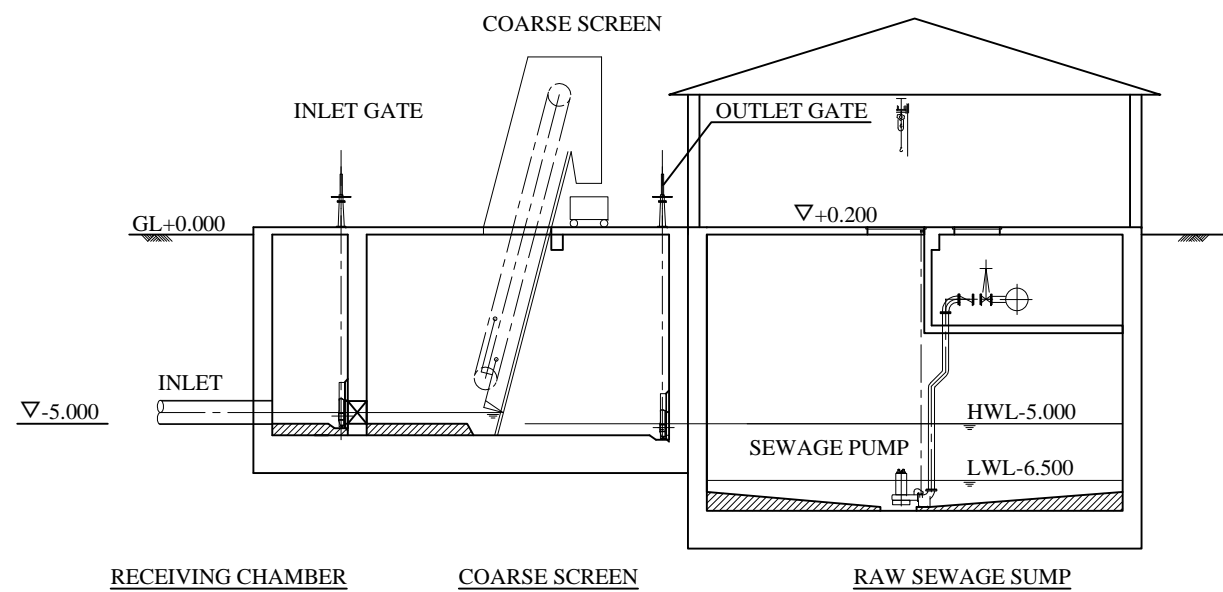
RECEIVING CHAMBER COARSE SCREEN RAW SEWAGE SUMP

UPPER PLAN



RECEIVING CHAMBER COARSE SCREEN RAW SEWAGE SUMP

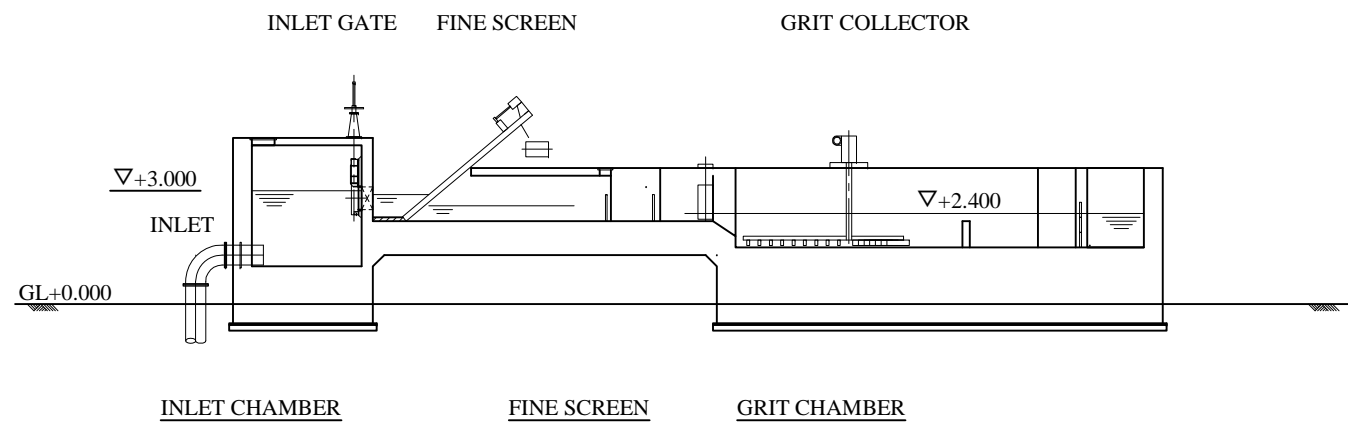
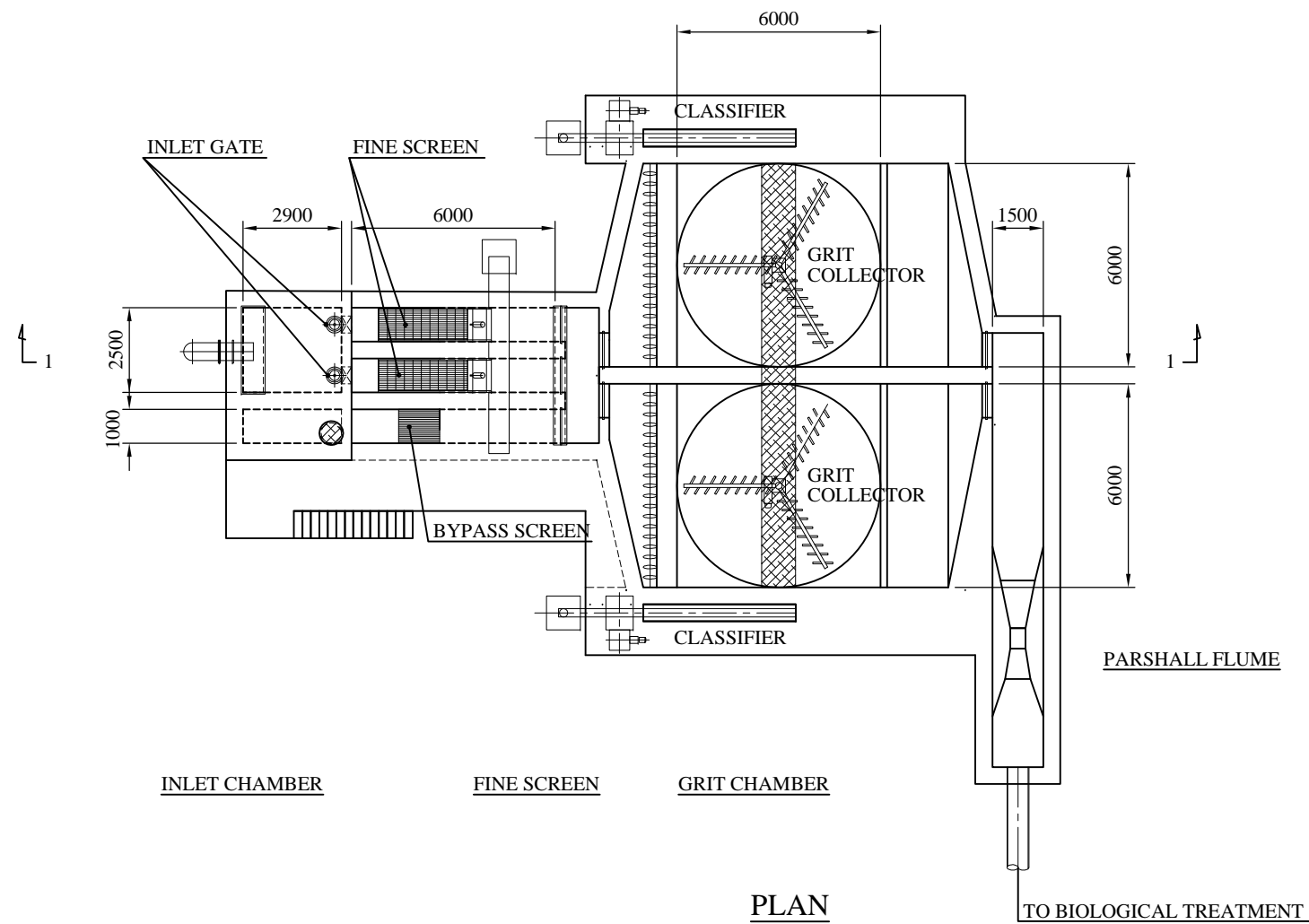
LOWER PLAN



RECEIVING CHAMBER COARSE SCREEN RAW SEWAGE SUMP

1-1 SECTION

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3) ベンガルール上下水道整備事業(フェーズ3)	
jica JAPAN INTERNATIONAL COOPERATION AGENCY	
NJS CONSULTANTS CO., LTD.	
DRAWING TITLE TYPICAL 15MLD TSPS FACILITY PLAN AND SECTION	SCALE 1:200 DRAWING NO. S-032



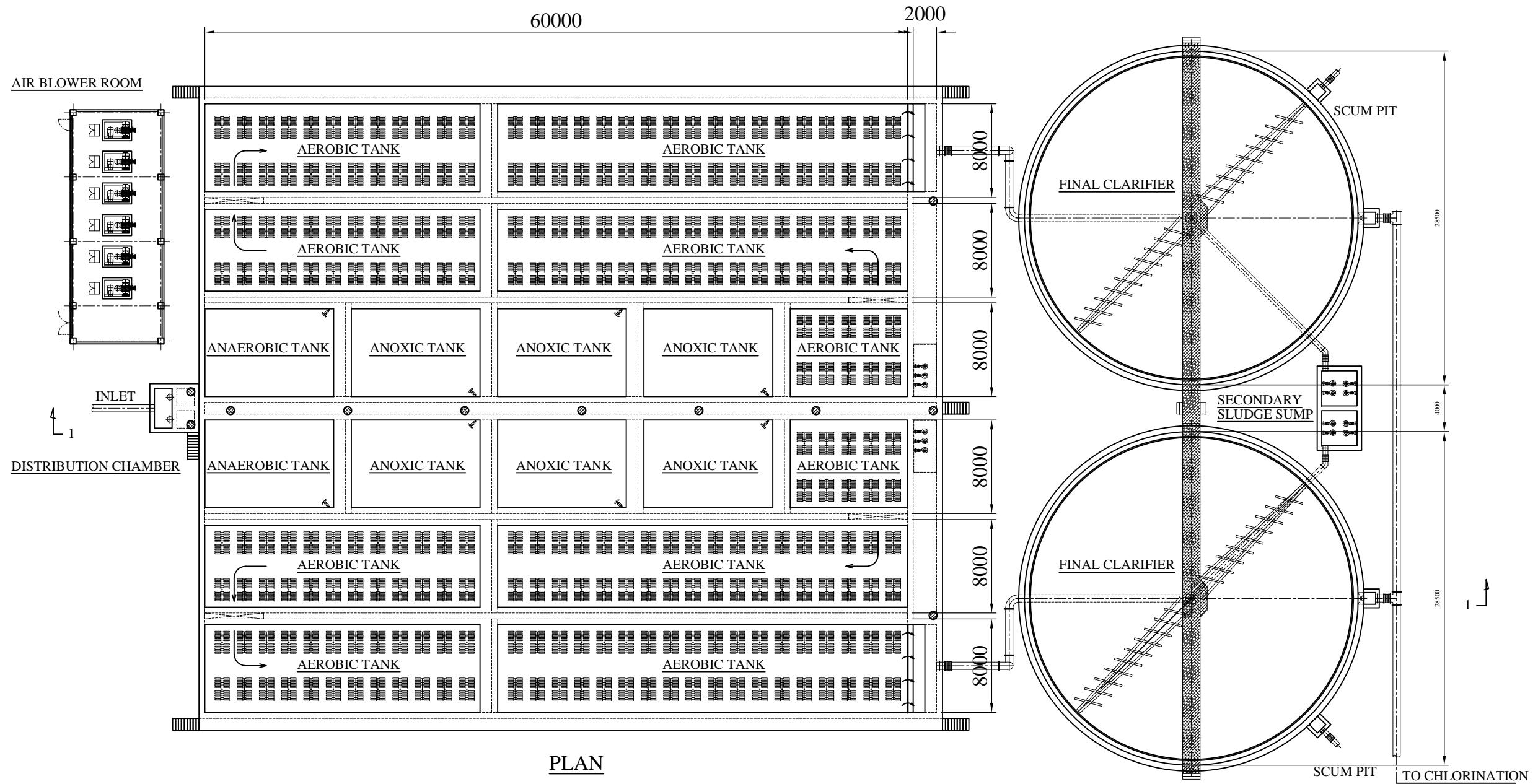
BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

JAPAN INTERNATIONAL COOPERATION AGENCY

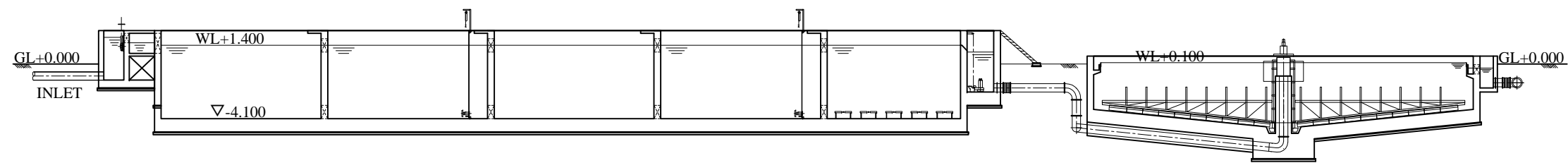
NJS CONSULTANTS CO., LTD.

DRAWING TITLE
**TYPICAL 15MLD STP
 PRE-TREATMENT FACILITY
 PLAN AND SECTION**

SCALE
 1:200
 DRAWING NO.
S-033



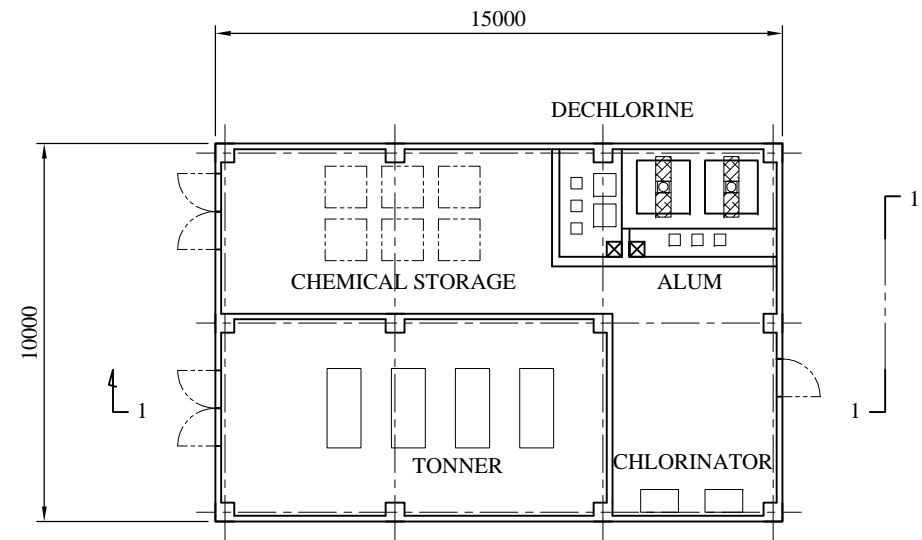
PLAN



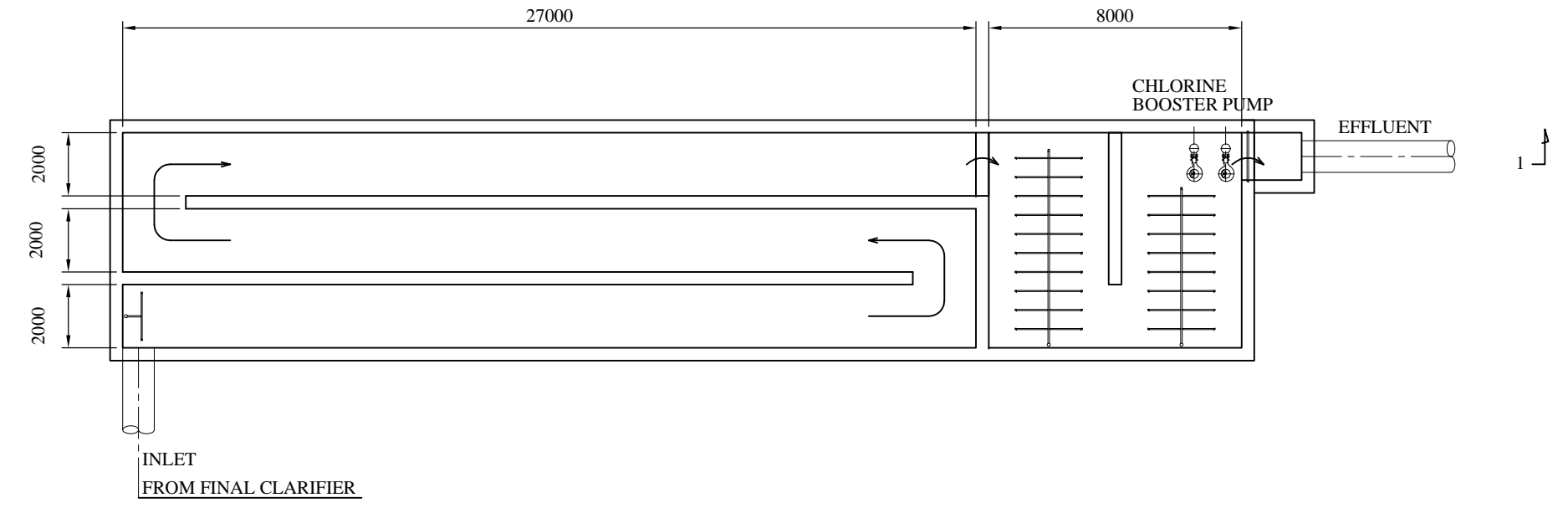
DISTRIBUTION CHAMBER ANAEROBIC TANK ANOXIC TANK ANOXIC TANK ANOXIC TANK AEROBIC TANK FINAL CLARIFIER

1-1 SECTION

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3) ベンガルール上下水道整備事業(フェーズ3)	
jica JAPAN INTERNATIONAL COOPERATION AGENCY	
NJS CONSULTANTS CO., LTD.	
DRAWING TITLE TYPICAL 15MLD STP BIOLOGICAL TREATMENT FACILITY PLAN AND SECTION	SCALE 1:400 DRAWING NO. S-034



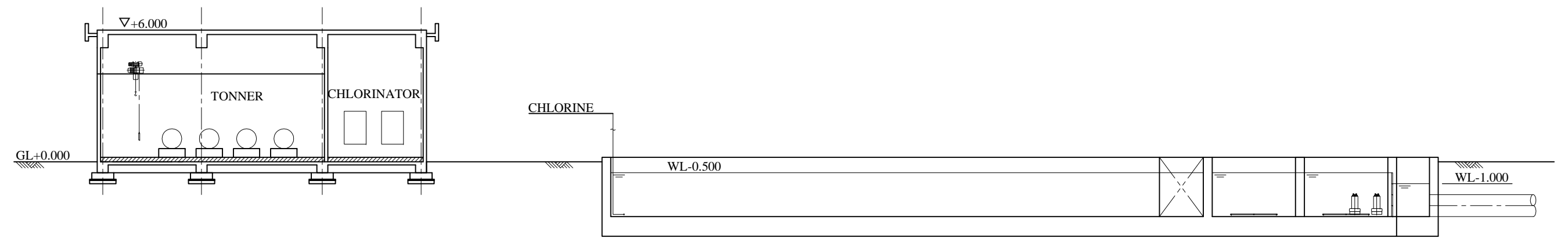
CHEMICAL BUILDING



CHLORINE CONTACT TANK

DECHLORINATION TANK

PLAN



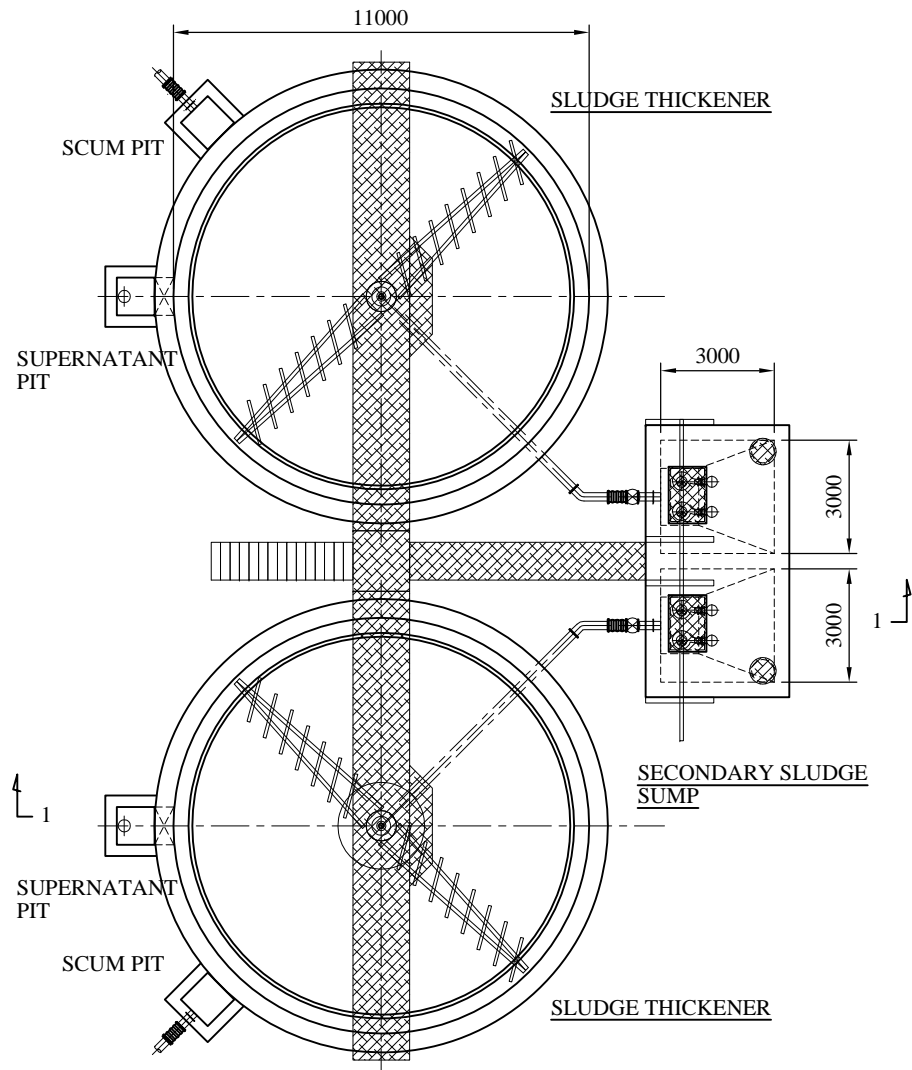
CHEMICAL BUILDING

CHLORINE CONTACT TANK

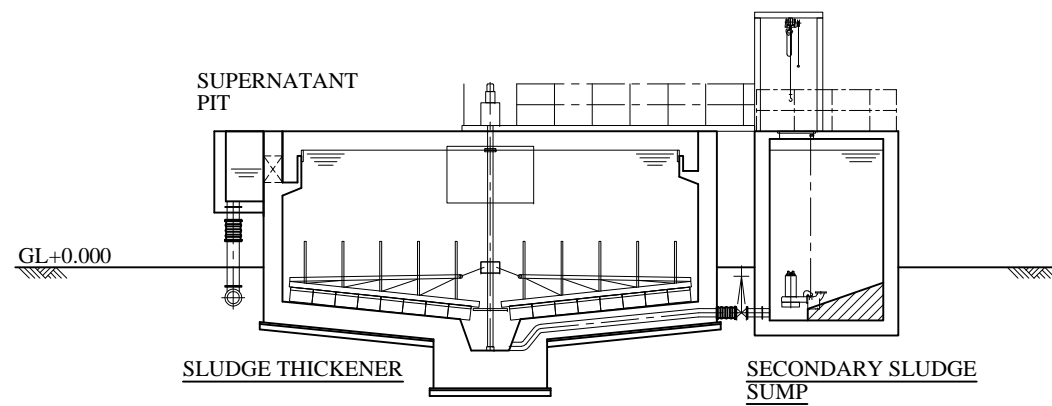
DECHLORINATION TANK

1-1 SECTION

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3) ベンガルール上下水道整備事業(フェーズ3)	
jica JAPAN INTERNATIONAL COOPERATION AGENCY	
NJS CONSULTANTS CO., LTD.	
DRAWING TITLE TYPICAL 15MLD STP CHLORINATION FACILITY PLAN AND SECTION	SCALE 1:200 DRAWING NO. S-035




PLAN



1-1 SECTION

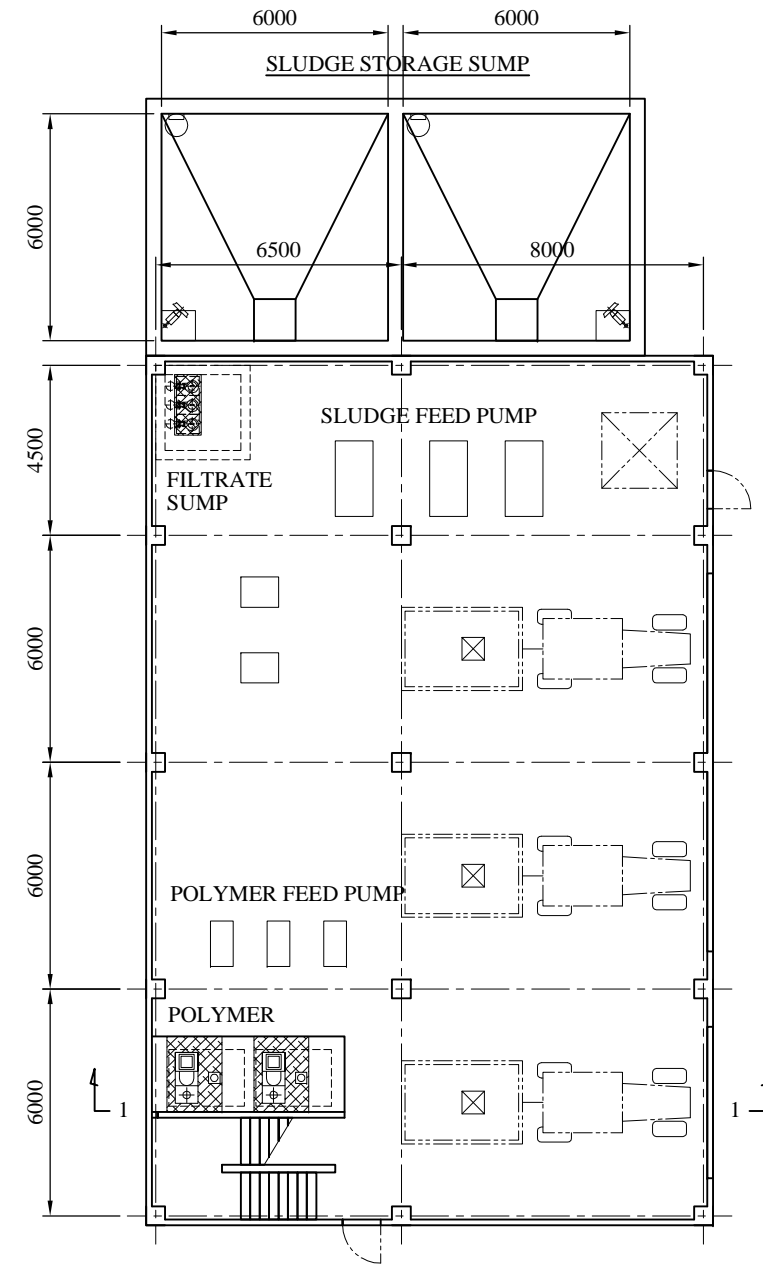
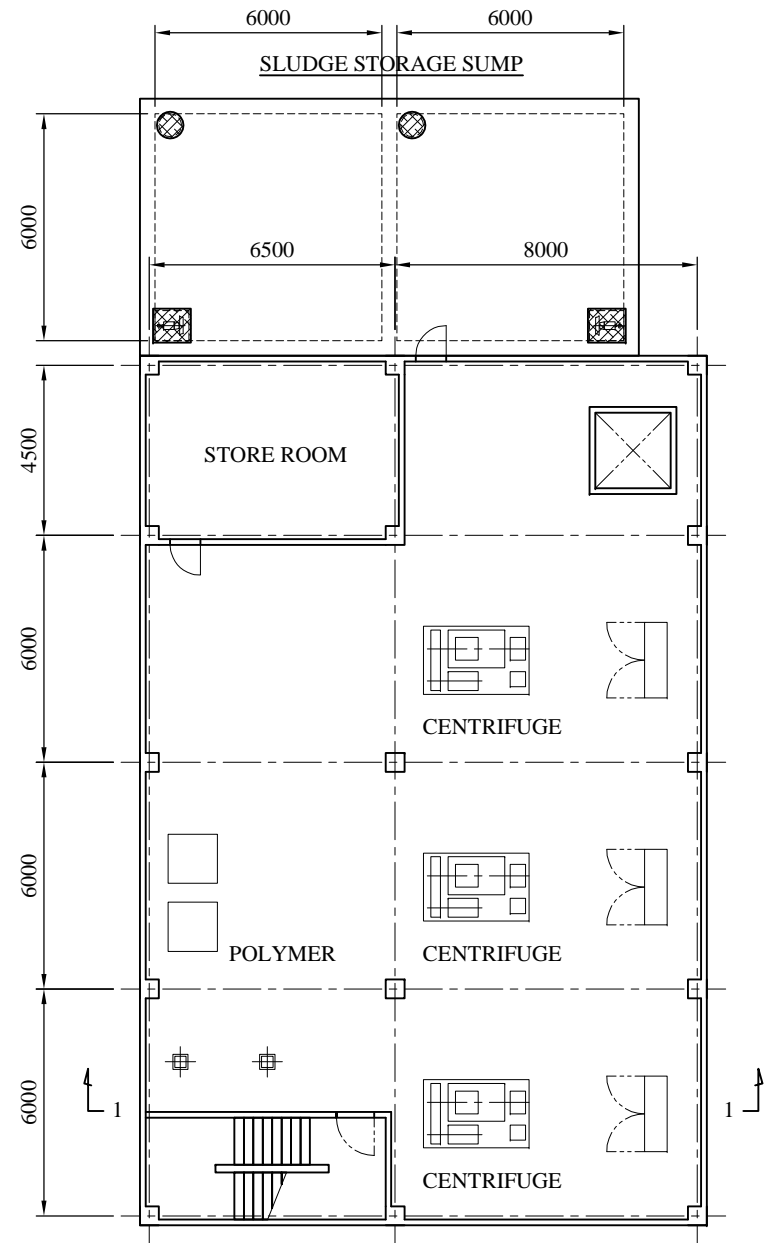
BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

 JAPAN INTERNATIONAL COOPERATION AGENCY

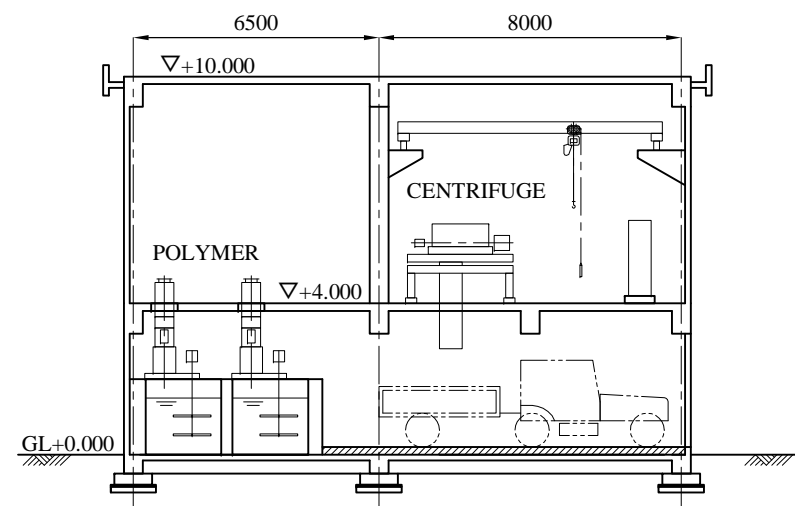
 NJS CONSULTANTS CO., LTD.

DRAWING TITLE
**TYPICAL 15MLD STP
 SLUDGE THICKENER FACILITY
 PLAN AND SECTION**

SCALE
 1:200
 DRAWING NO.
S-036

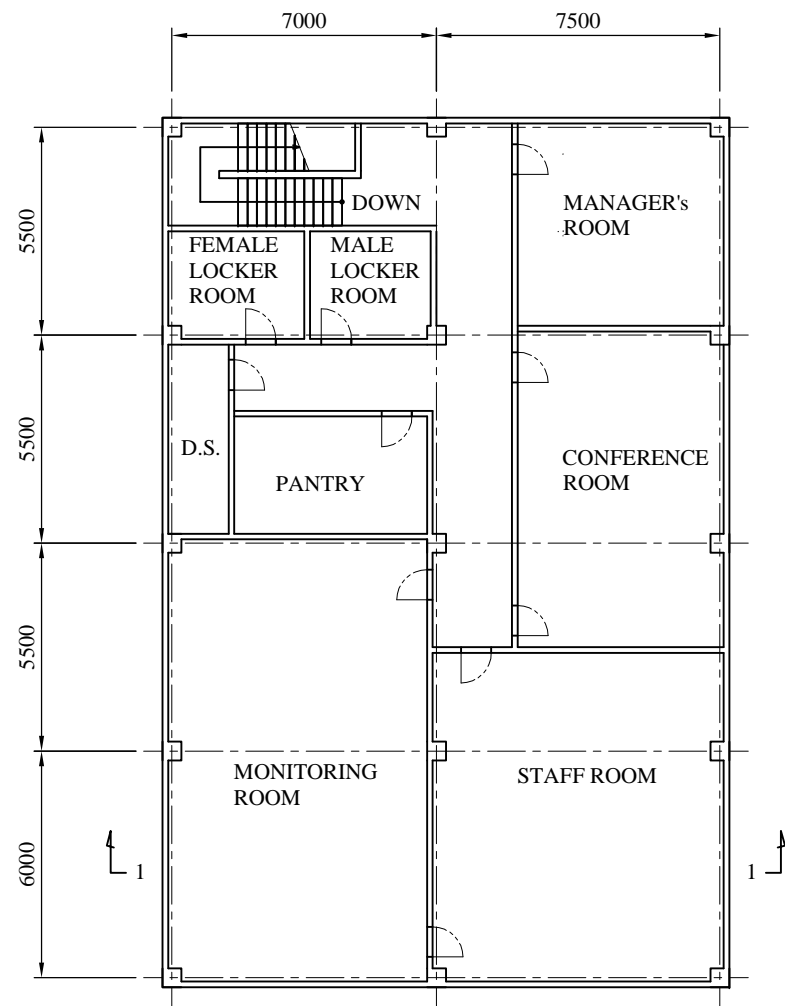


GROUND FLOOR PLAN

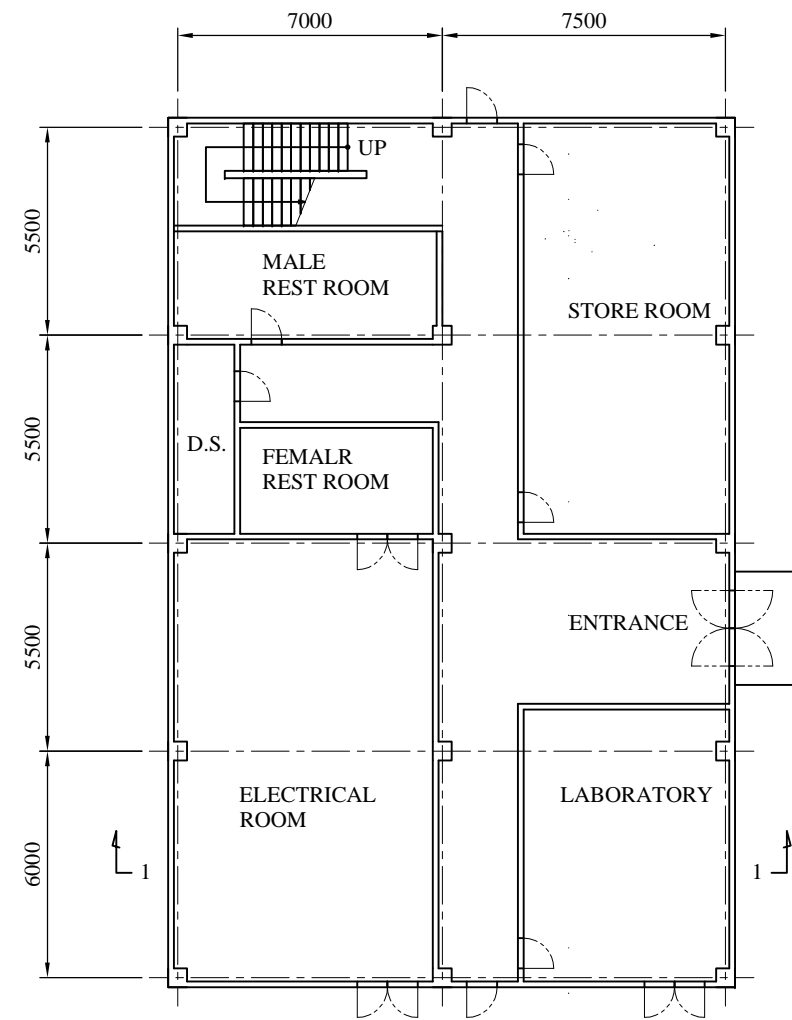


1-1 SECTION

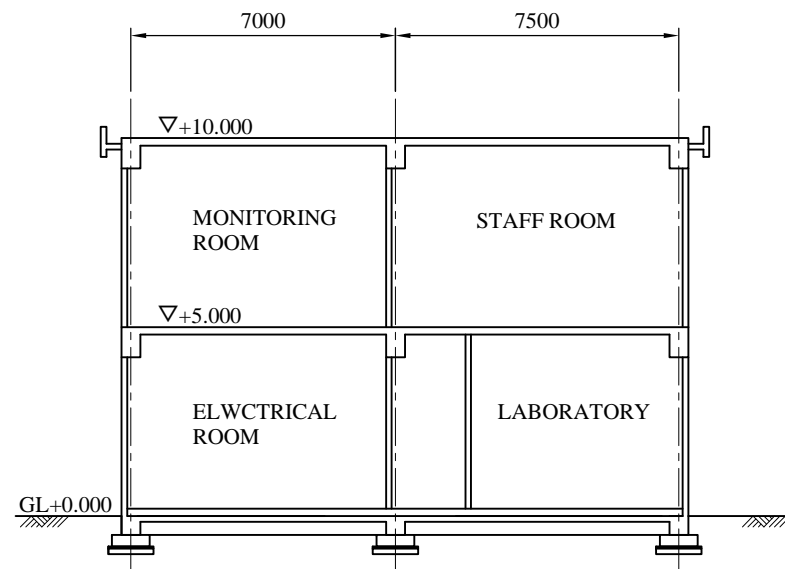
BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3) ベンガルール上下水道整備事業(フェーズ3)	
JAPAN INTERNATIONAL COOPERATION AGENCY	
NJS CONSULTANTS CO., LTD.	
DRAWING TITLE TYPICAL 15MLD STP CENTRIFUGE BUILDING PLAN AND SECTION	SCALE 1:200 DRAWING NO. S-037



FIRST FLOOR PLAN



GROUND FLOOR PLAN



1-1 SECTION

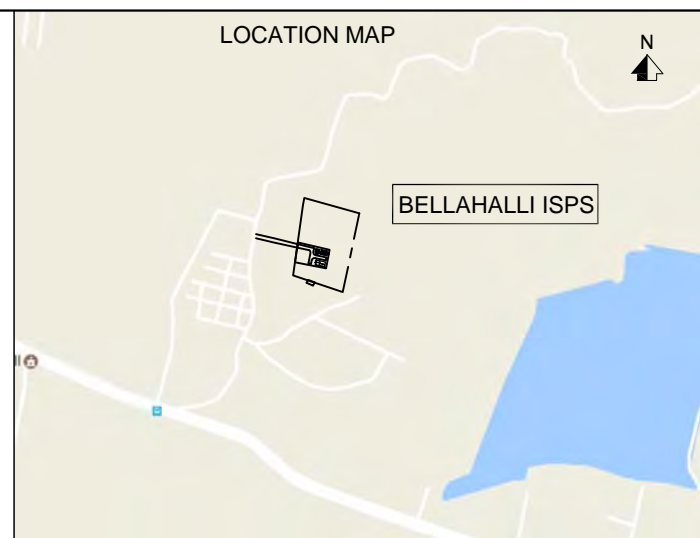
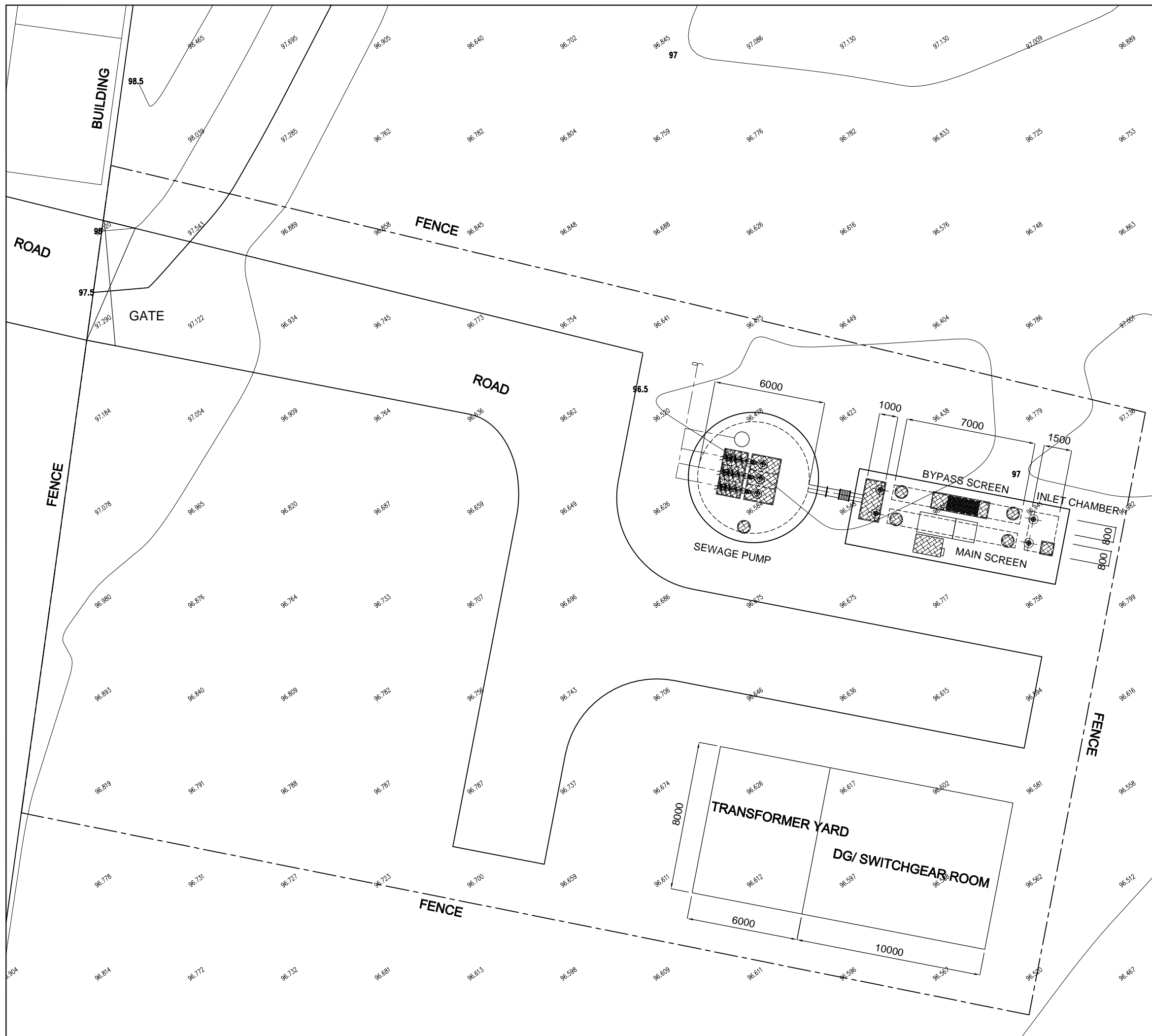
BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

DRAWING TITLE
 TYPICAL 15MLD STP
 ADMINISTRATION BUILDING
 PLAN AND SECTION

SCALE
 1:200
 DRAWING NO.
 S-038



Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
ISPS					
01	Inlet Chamber	1	2.1 W	1.5 L	0.3 SWD
02	Main Screen Channel	1	0.8 W	7.0 L	0.6 SWD
03	Bypass Screen Channel	1	0.8 W	7.0 L	0.6 SWD
04	Raw Sewage Sump	1	6.0 Dia.		1.2 SWD
05	Transformer Yard	1	8.0 W	6.0 L	
06	DG/ Switchgear Room	1	8.0 W	10.0 L	

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

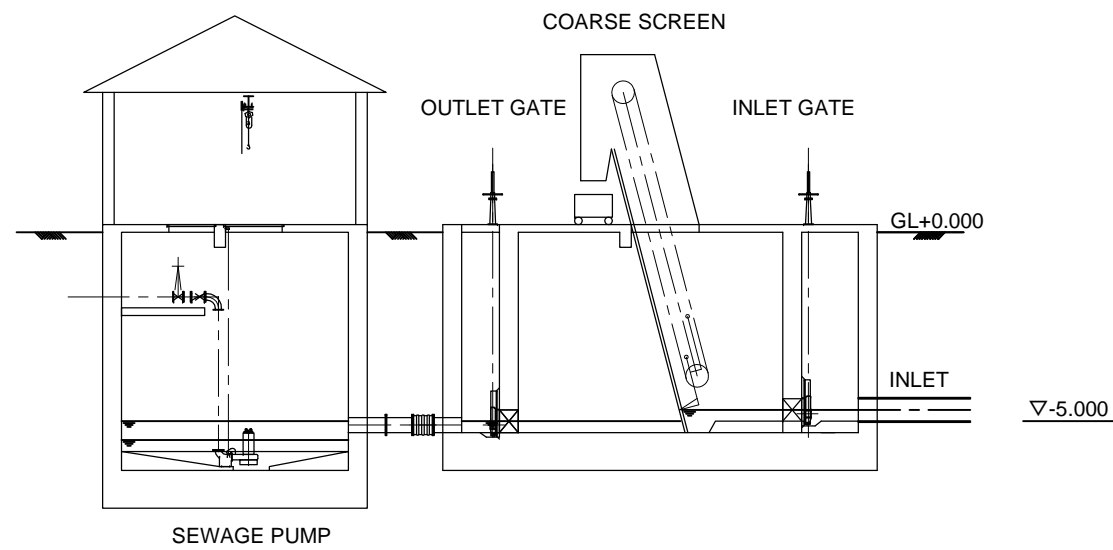
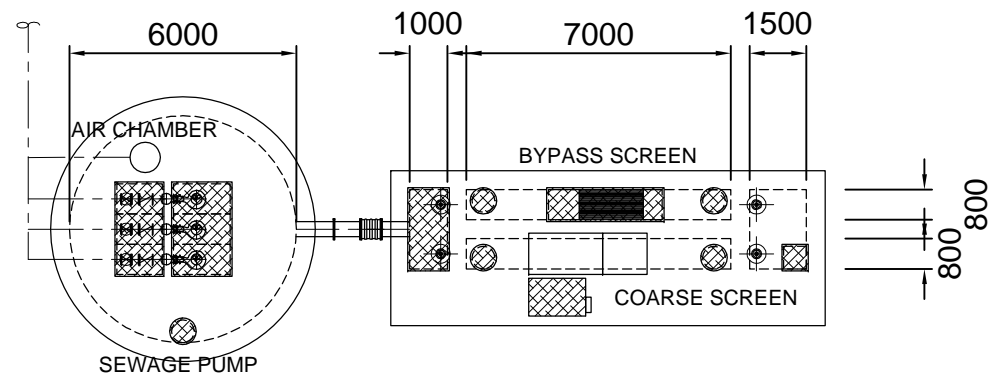
JICA JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

DRAWING TITLE
**A-1 BELLAHALLI 0.9MLD ISPS
 GENERAL LAYOUT**

SCALE
1:200
 DRAWING NO.
S-039

Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
MPS					
01	Inlet Chamber	1	2.1 ^W	1.5 ^L	0.3 ^{SWD}
02	Main Screen Channel	1	0.8 ^W	7.0 ^L	0.6 ^{SWD}
03	Bypass Screen Channel	1	0.8 ^W	7.0 ^L	0.6 ^{SWD}
04	Raw Sewage Sump	1	6.0 ^{Dia.}		1.2 ^{SWD}



BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

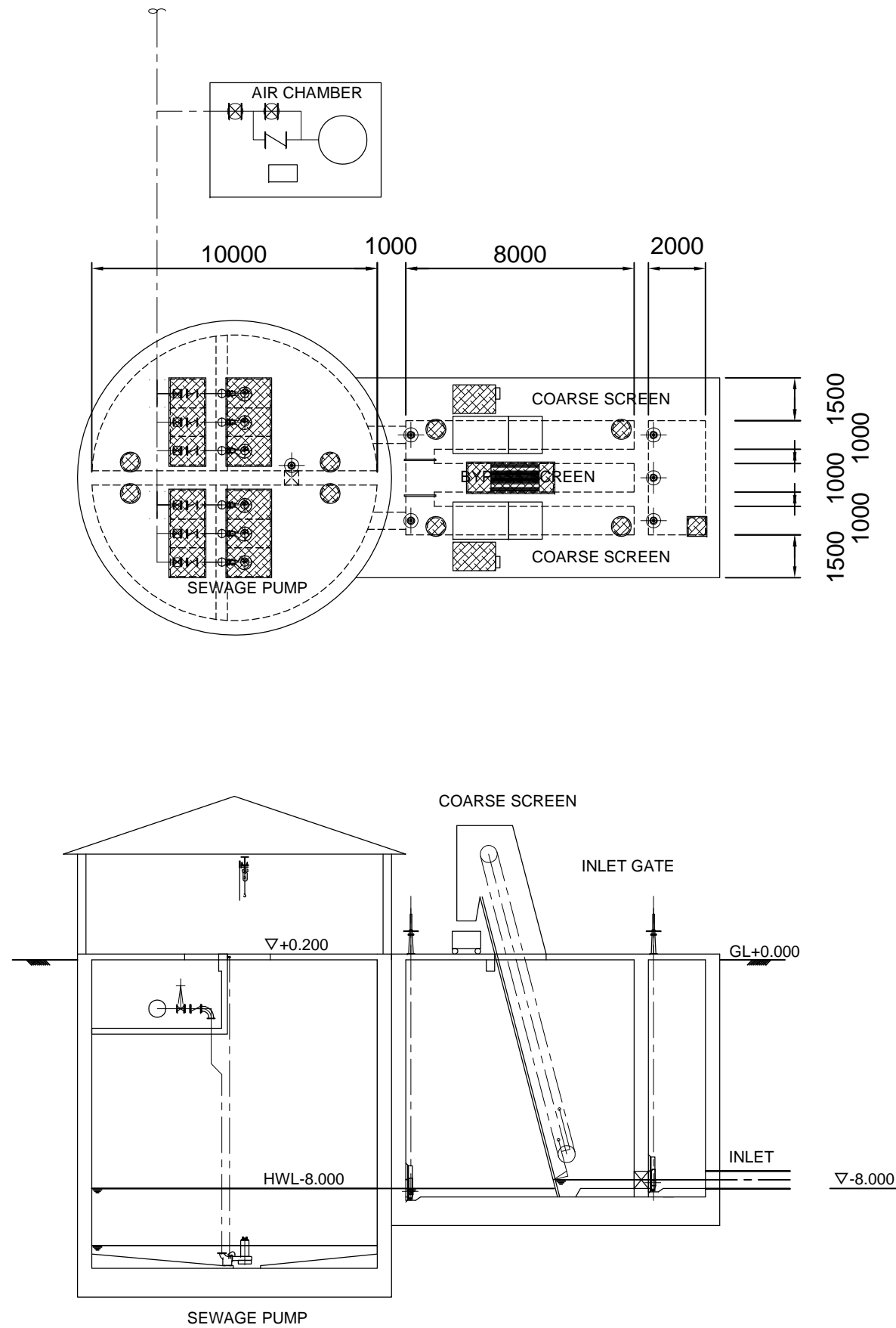
JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

DRAWING TITLE
**A-1 BELLAHALLI 0.9MLD ISPS
 PLAN AND SECTION**

SCALE
 1:200
 DRAWING NO.
S-040

Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
MPS					
01	Inlet Chamber	1	3.4 ^W	2.0 ^L	0.5 ^{SWD}
02	Main Screen Channel	2	0.8 ^W	8.0 ^L	0.7 ^{SWD}
03	Bypass Screen Channel	1	0.8 ^W	8.0 ^L	0.7 ^{SWD}
04	Raw Sewage Sump	1	10.0 ^{Dia.}		2.7 ^{SWD}



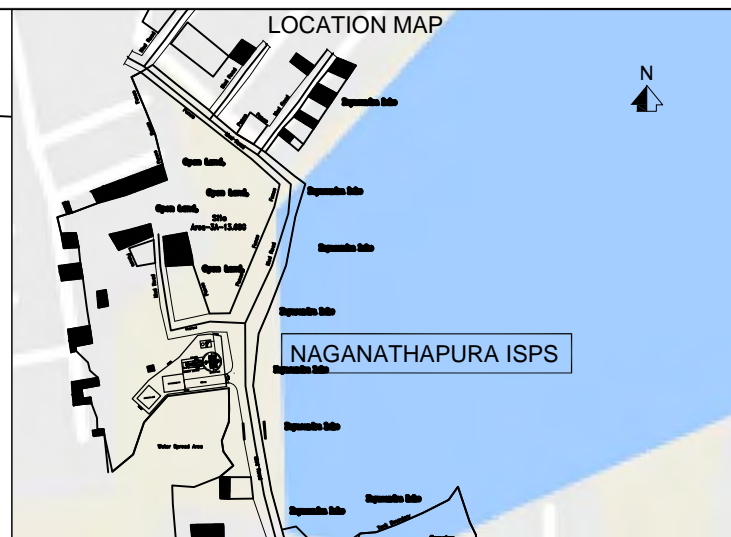
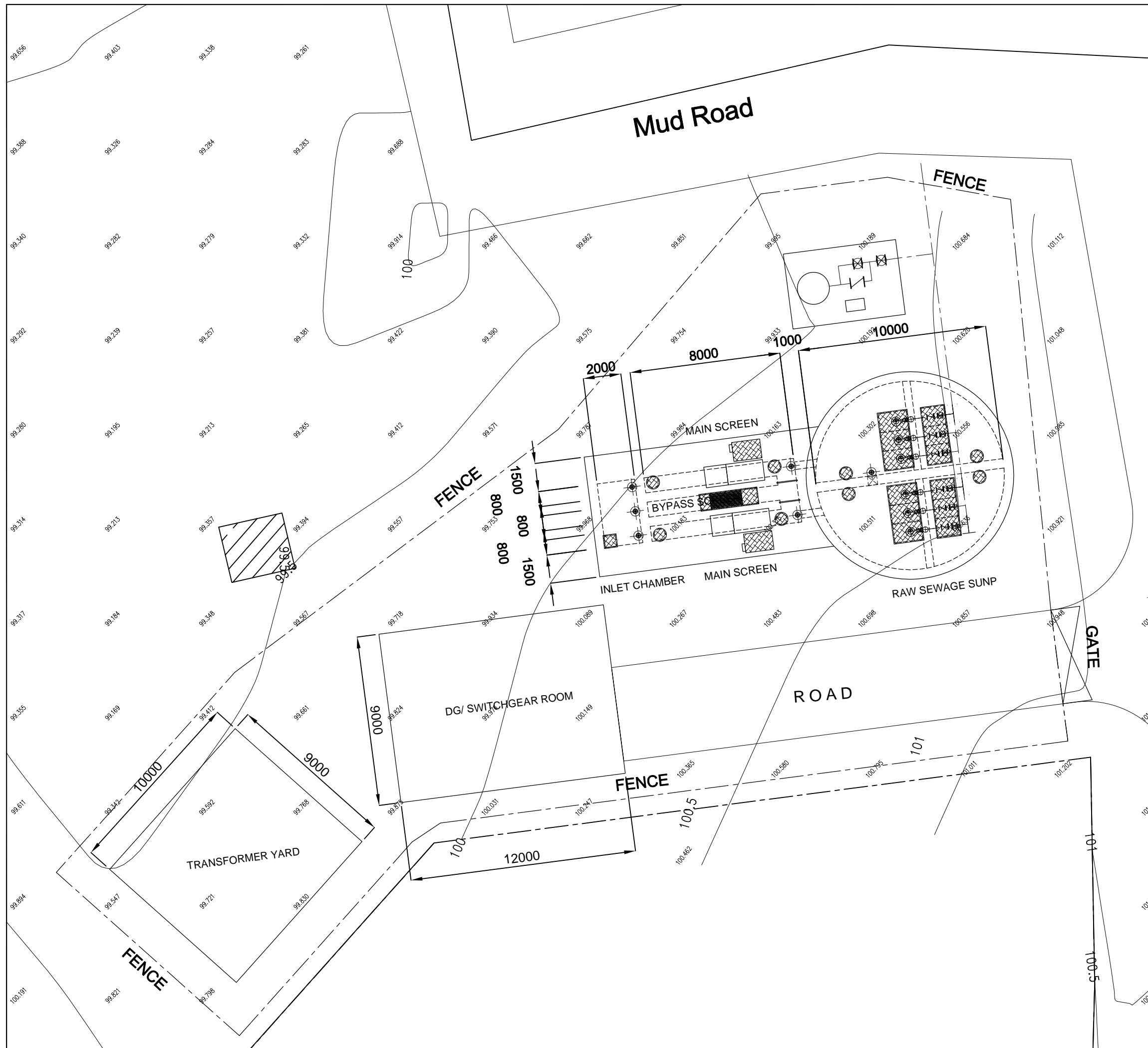
BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

DRAWING TITLE
**B-1 HAGADUR 15.0MLD ISPS
 PLAN AND SECTION**

SCALE
 1:200
 DRAWING NO.
S-042



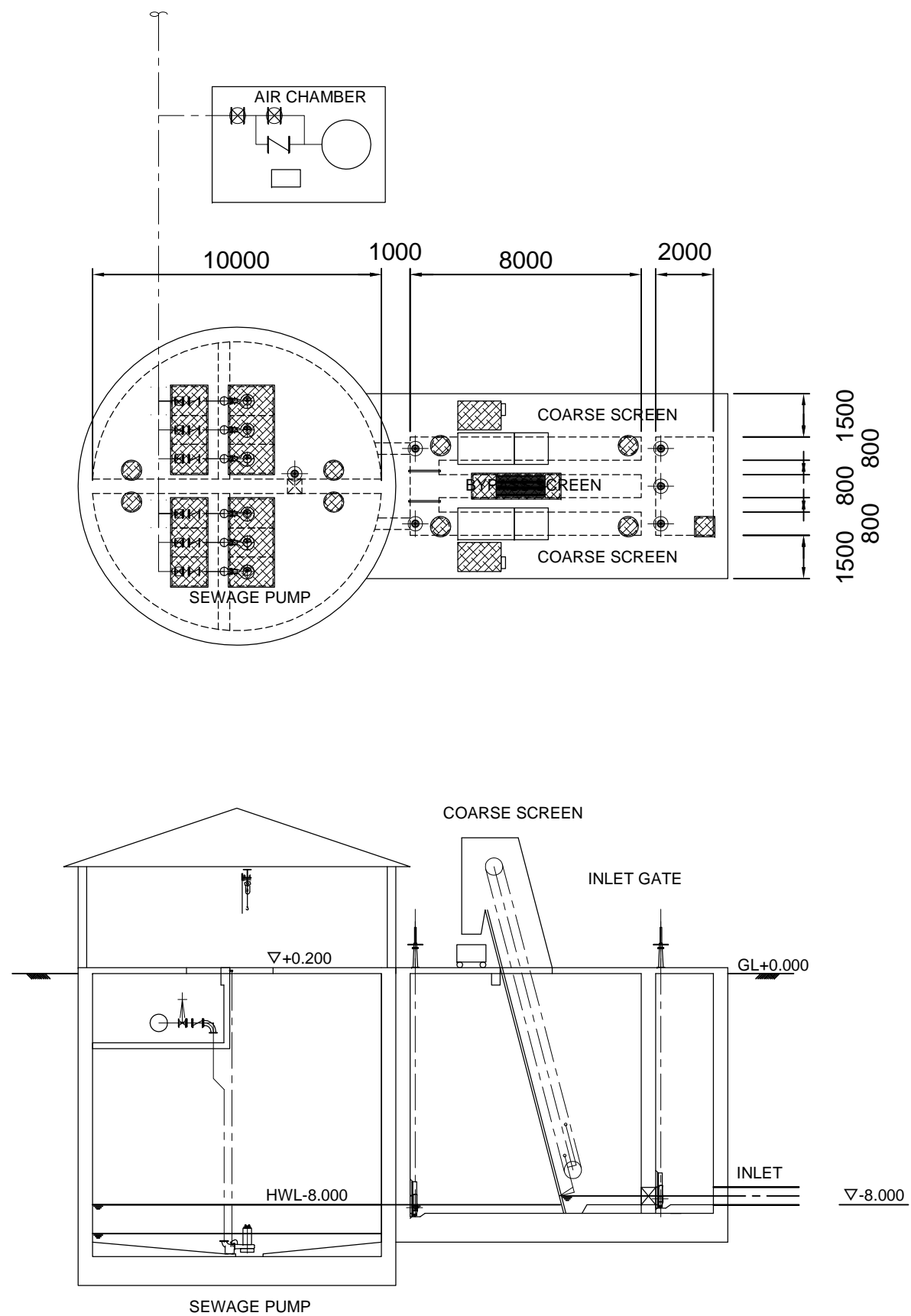
Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
MPS					
01	Inlet Chamber	1	3.4 W	2.0 L	0.5 SWD
02	Main Screen Channel	2	0.8 W	8.0 L	0.7 SWD
03	Bypass Screen Channel	1	0.8 W	8.0 L	0.7 SWD
04	Raw Sewage Sump	1	10.0 Dia.		1.7 SWD
05	Transformer	1	9.0 W	10.0 L	
06	DG/ Switchgear Room	1	9.0 W	12.0 L	

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
NJS CONSULTANTS CO., LTD.

DRAWING TITLE: **C-1 NAGANATHAPURA 9.0MLD ISPS GENERAL LAYOUT**
 SCALE: **1:200**
 DRAWING NO.: **S-043**

Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
MPS					
01	Inlet Chamber	1	3.4 ^W	2.0 ^L	0.5 ^{SWD}
02	Main Screen Channel	2	0.8 ^W	8.0 ^L	0.7 ^{SWD}
03	Bypass Screen Channel	1	0.8 ^W	8.0 ^L	0.7 ^{SWD}
04	Raw Sewage Sump	1	10.0 ^{Dia.}		1.7 ^{SWD}



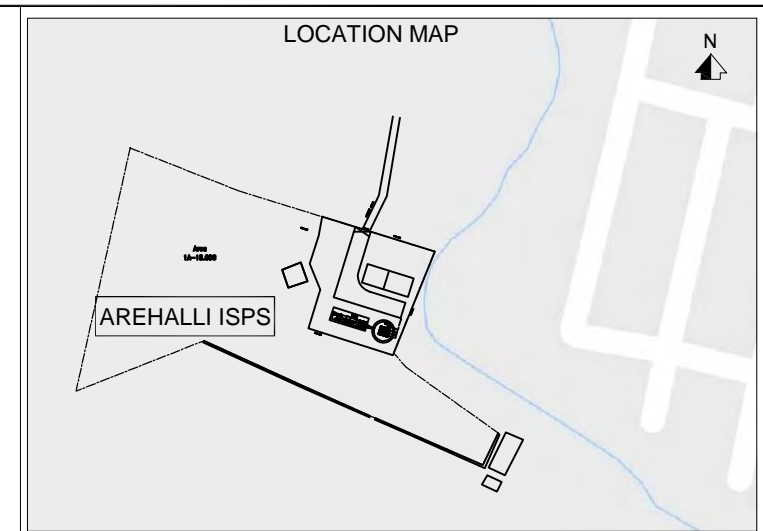
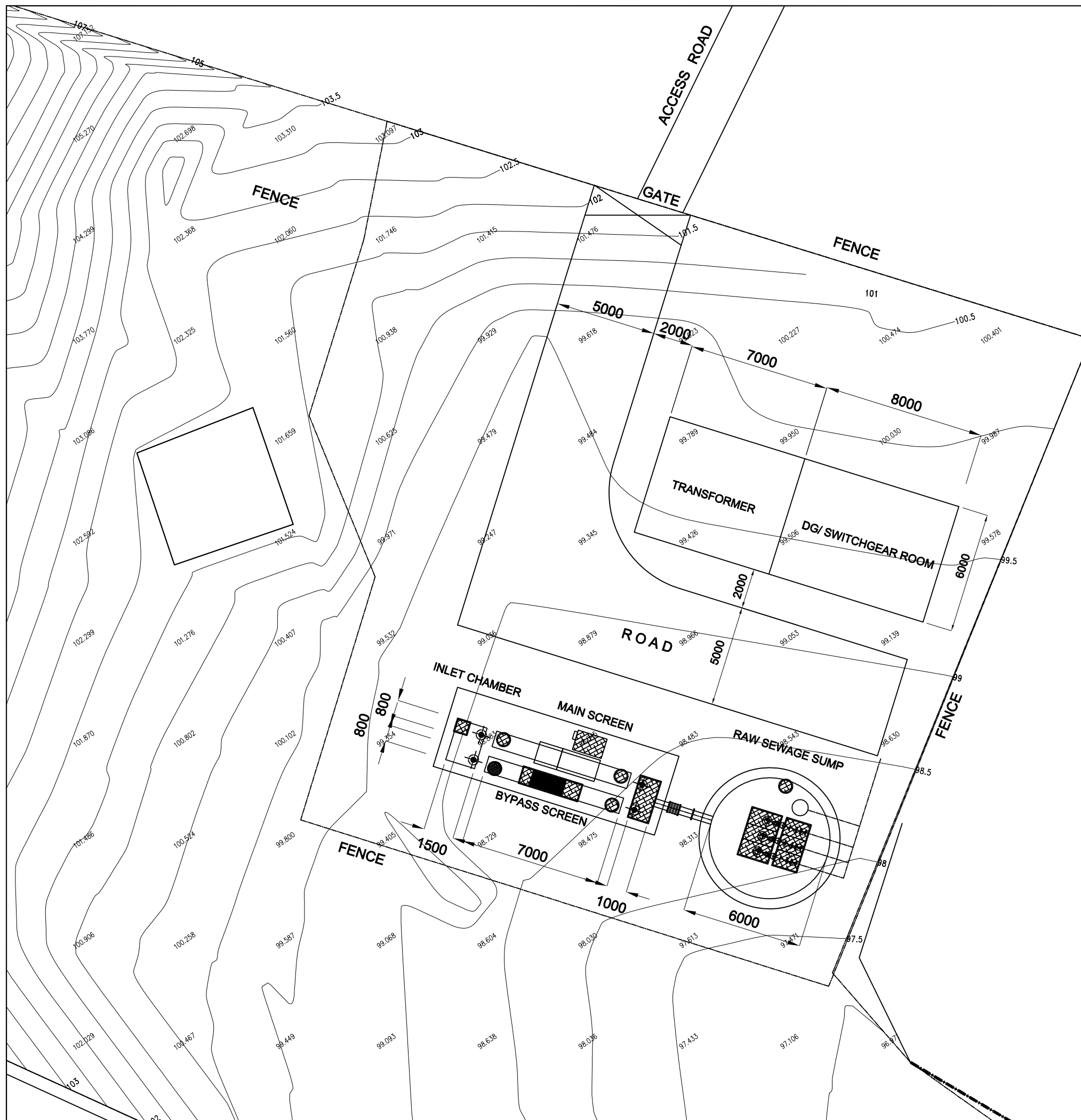
BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

DRAWING TITLE
**C-1 NAGANATHAPURA 9.0MLD ISPS
 PLAN AND SECTION**

SCALE
 1:200
 DRAWING NO.
S-044



Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
ISPS					
01	Inlet Chamber	1	2.1 W	1.5 L	0.3 SWD
02	Main Screen Channel	1	0.8 W	7.0 L	0.6 SWD
03	Bypass Screen Channel	1	0.8 W	7.0 L	0.6 SWD
04	Raw Sewage Sump	1	6.0 Dia.		1.3 SWD
05	Transformer	1	6.0 W	8.0 L	
06	DG/ Switchgear Room	1	6.0 W	7.0 L	

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

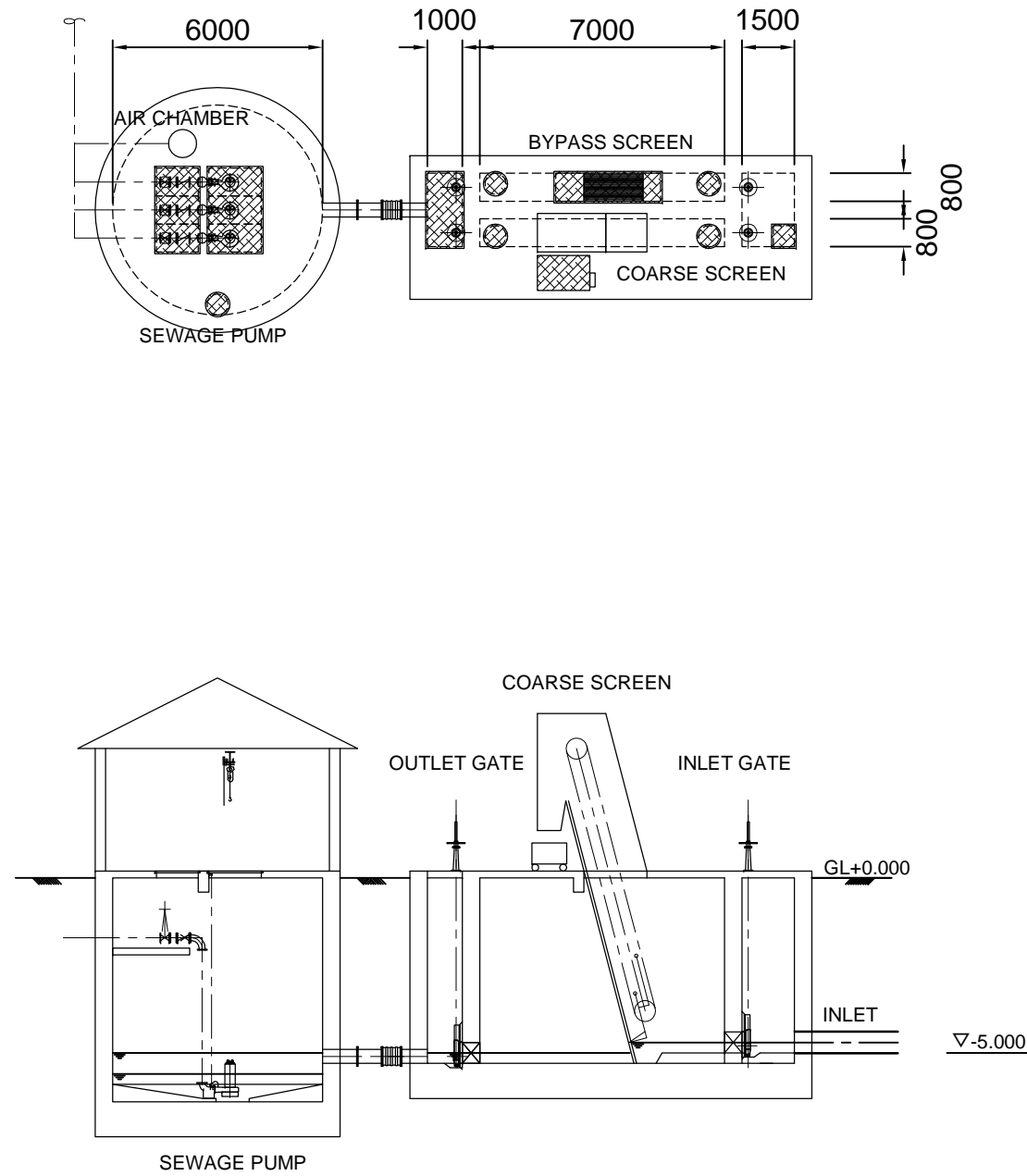
JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

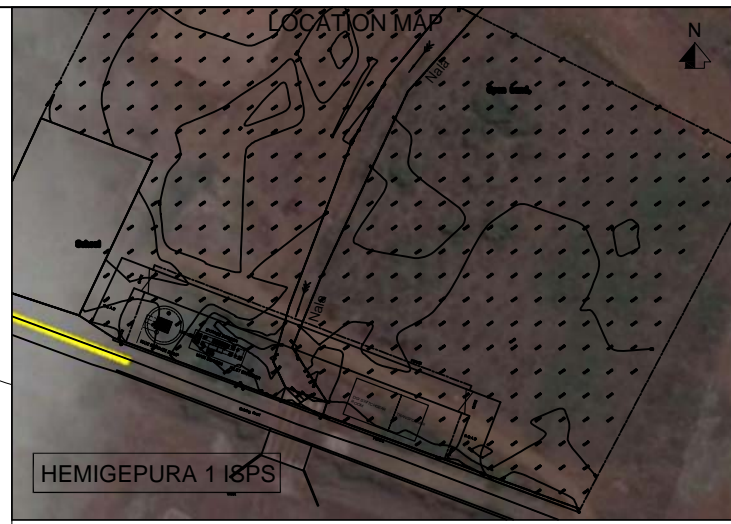
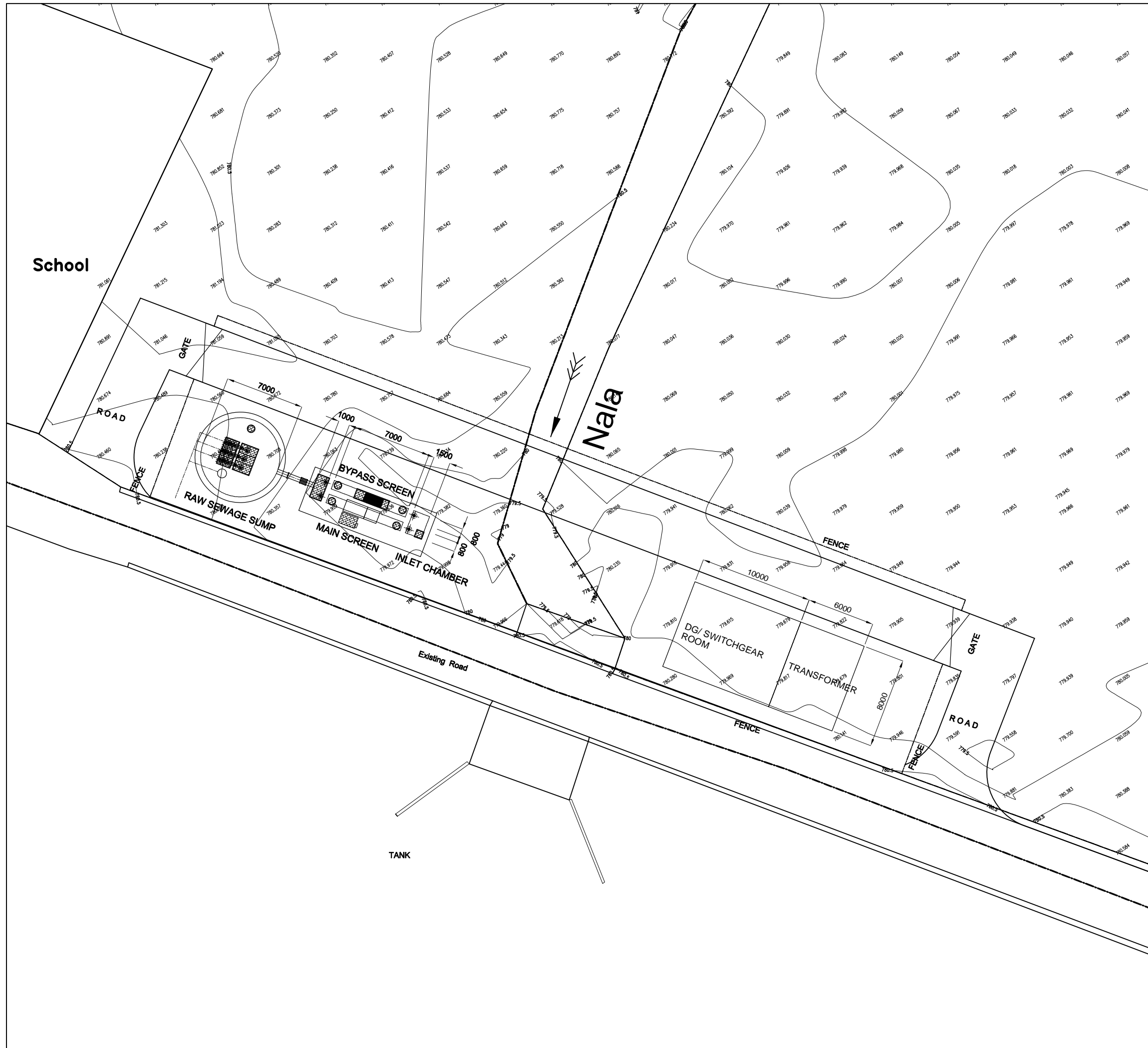
DRAWING TITLE
D-1 AREHALLI 1 1.1MLD ISPS
GENERAL LAYOUT

SCALE
1:200
 DRAWING NO.
S-045

Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
MPS					
01	Inlet Chamber	1	2.1 ^W	1.5 ^L	0.3 ^{SWD}
02	Main Screen Channel	1	0.8 ^W	7.0 ^L	0.6 ^{SWD}
03	Bypass Screen Channel	1	0.8 ^W	7.0 ^L	0.6 ^{SWD}
04	Raw Sewage Sump	1	6.0 ^{Dia.}		1.3 ^{SWD}



BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3) ベンガルール上下水道整備事業(フェーズ3)	
jica JAPAN INTERNATIONAL COOPERATION AGENCY	
NJS CONSULTANTS CO., LTD.	
DRAWING TITLE D-1 AREHALLI 1 1.1MLD ISPS PLAN AND SECTION	SCALE 1:200 DRAWING NO. S-046



Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
MPS					
01	Inlet Chamber	1	3.4 ^W	2.0 ^L	0.45 SWD
02	Main Screen Channel	1	0.8 ^W	8.0 ^L	0.6 SWD
03	Bypass Screen Channel	1	0.8 ^W	8.0 ^L	0.6 SWD
04	Raw Sewage Sump	1	7.0 ^{Dia.}		1.3 SWD
05	Transformer	1	8.0 ^W	6.0 ^L	
06	DG/ Switchgear Room	1	8.0 ^W	10.0 ^L	

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

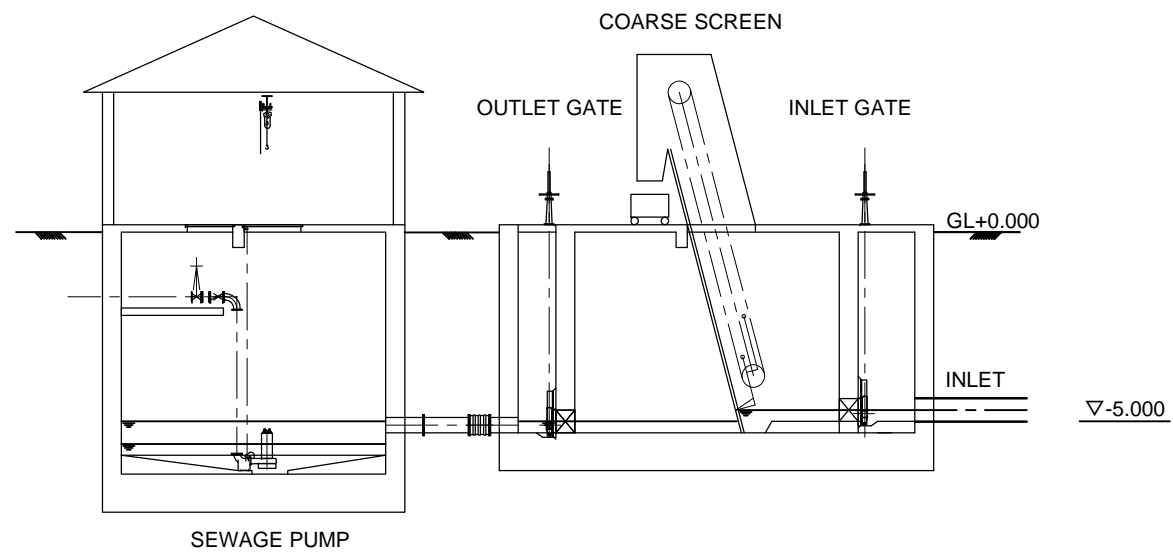
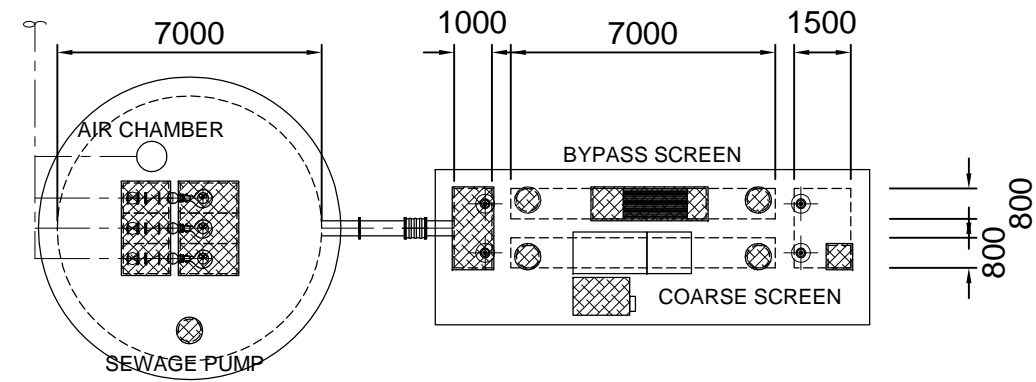
JAPAN INTERNATIONAL COOPERATION AGENCY
NJS CONSULTANTS CO., LTD.

DRAWING TITLE
**D-2 HEMIGEPURA 1.7MLD ISPS
 GENERAL LAYOUT**

SCALE
1:300


DRAWING NO.
S-047

Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
MPS					
01	Inlet Chamber	1	3.4 ^W	2.0 ^L	0.45 ^{SWD}
02	Main Screen Channel	2	0.8 ^W	8.0 ^L	0.6 ^{SWD}
03	Bypass Screen Channel	1	0.8 ^W	8.0 ^L	0.6 ^{SWD}
04	Raw Sewage Sump	1	7.0 ^{Dia.}		1.3 ^{SWD}



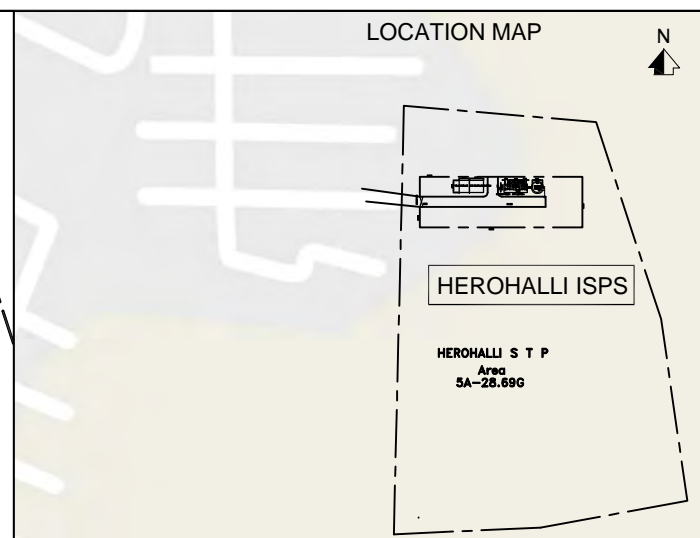
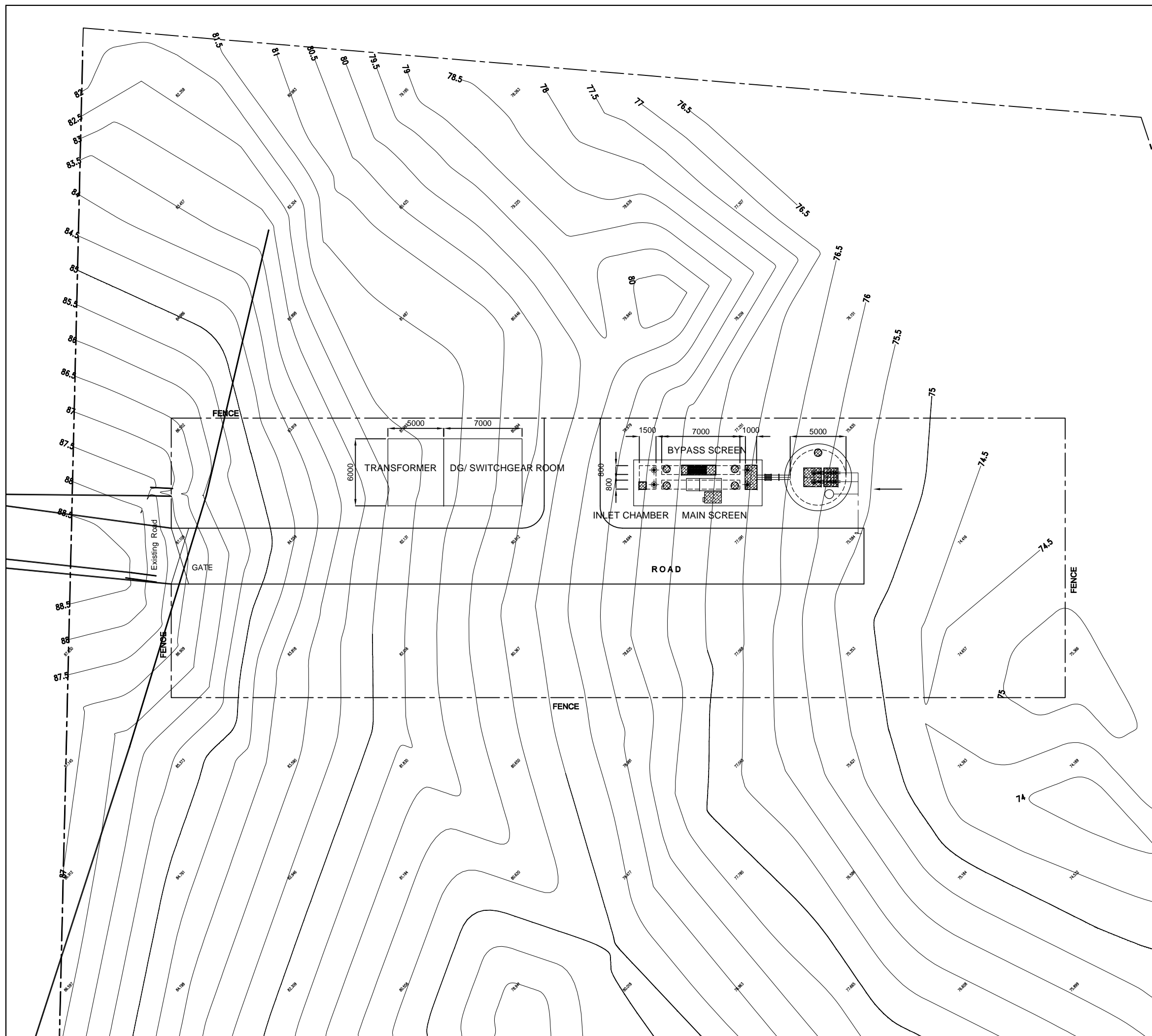
BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

 JAPAN INTERNATIONAL COOPERATION AGENCY

 NJS CONSULTANTS CO., LTD.

DRAWING TITLE
**D-2 HEMIGEPURA 1.7MLD ISPS
 PLAN AND SECTION**

SCALE
 1:200
 DRAWING NO.
S-048



Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
ISPS					
01	Inlet Chamber	1	2.1 W	1.5 L	0.2 SWD
02	Main Screen Channel	1	0.8 W	7.0 L	0.6 SWD
03	Bypass Screen Channel	1	0.8 W	7.0 L	0.6 SWD
04	Raw Sewage Sump	1	5.0 Dia.		1.2 SWD
05	Transformer	1	6.0 W	5.0 L	
06	DG/ Switchgear Room	1	6.0 W	7.0 L	

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

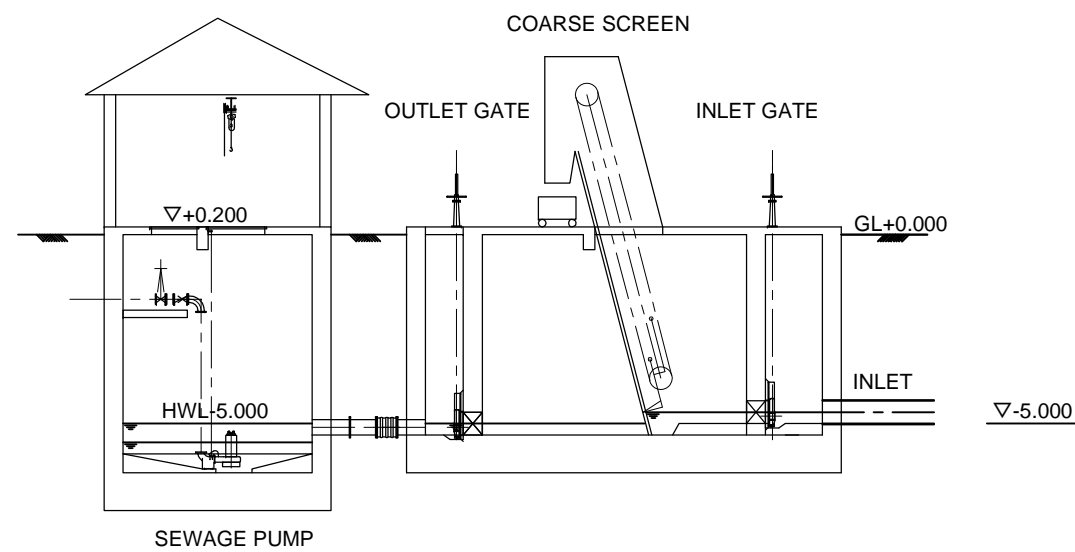
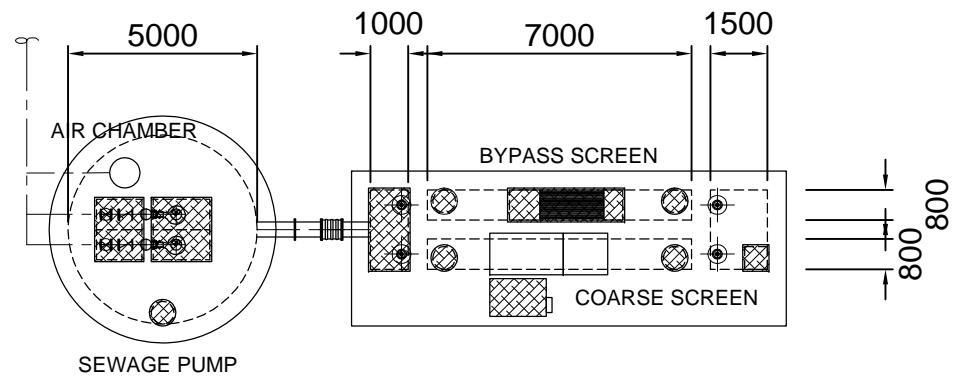
JICA JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

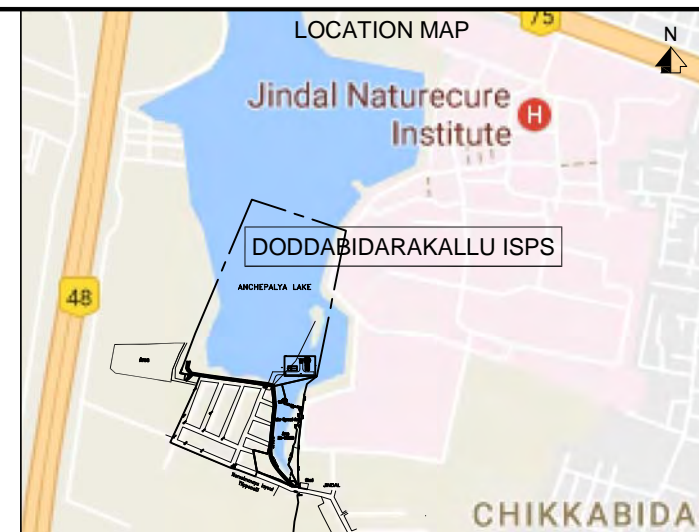
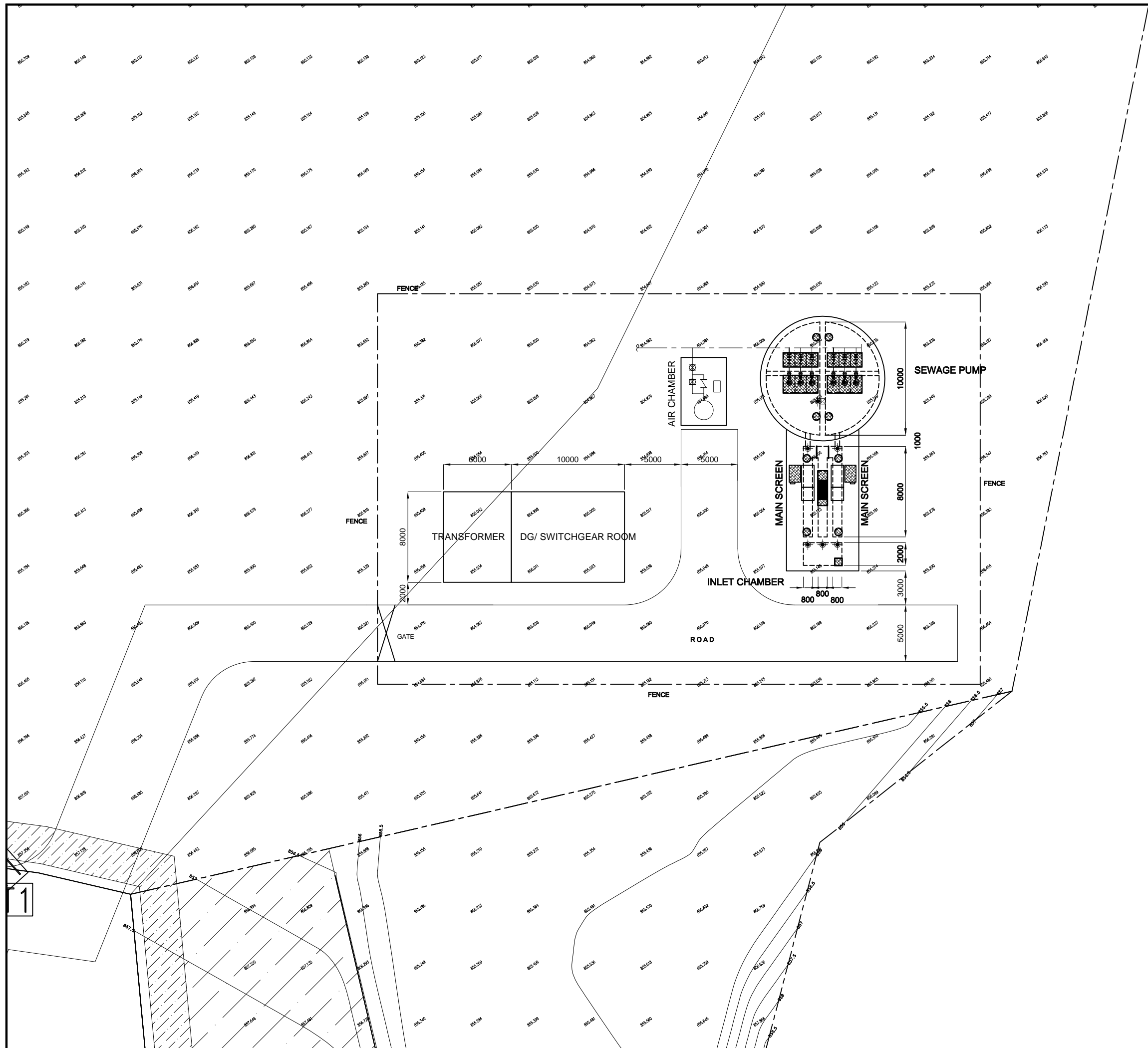
DRAWING TITLE
 E-1 HEROHALLI 0.5MLD ISPS
 GENERAL LAYOUT

SCALE
 1:300
 DRAWING NO.
 S-049

Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
MPS					
01	Inlet Chamber	1	2.1 ^W	1.5 ^L	0.2 ^{SWD}
02	Main Screen Channel	1	0.8 ^W	7.0 ^L	0.6 ^{SWD}
03	Bypass Screen Channel	1	0.8 ^W	7.0 ^L	0.6 ^{SWD}
04	Raw Sewage Sump	1	5.0 ^{Dia.}		1.2 ^{SWD}



BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3) ベンガルール上下水道整備事業(フェーズ3)	
jica JAPAN INTERNATIONAL COOPERATION AGENCY	
NJS CONSULTANTS CO., LTD.	
DRAWING TITLE E-1 HEROHALLI 0.5MLD ISPS PLAN AND SECTION	SCALE 1:200 DRAWING NO. S-050



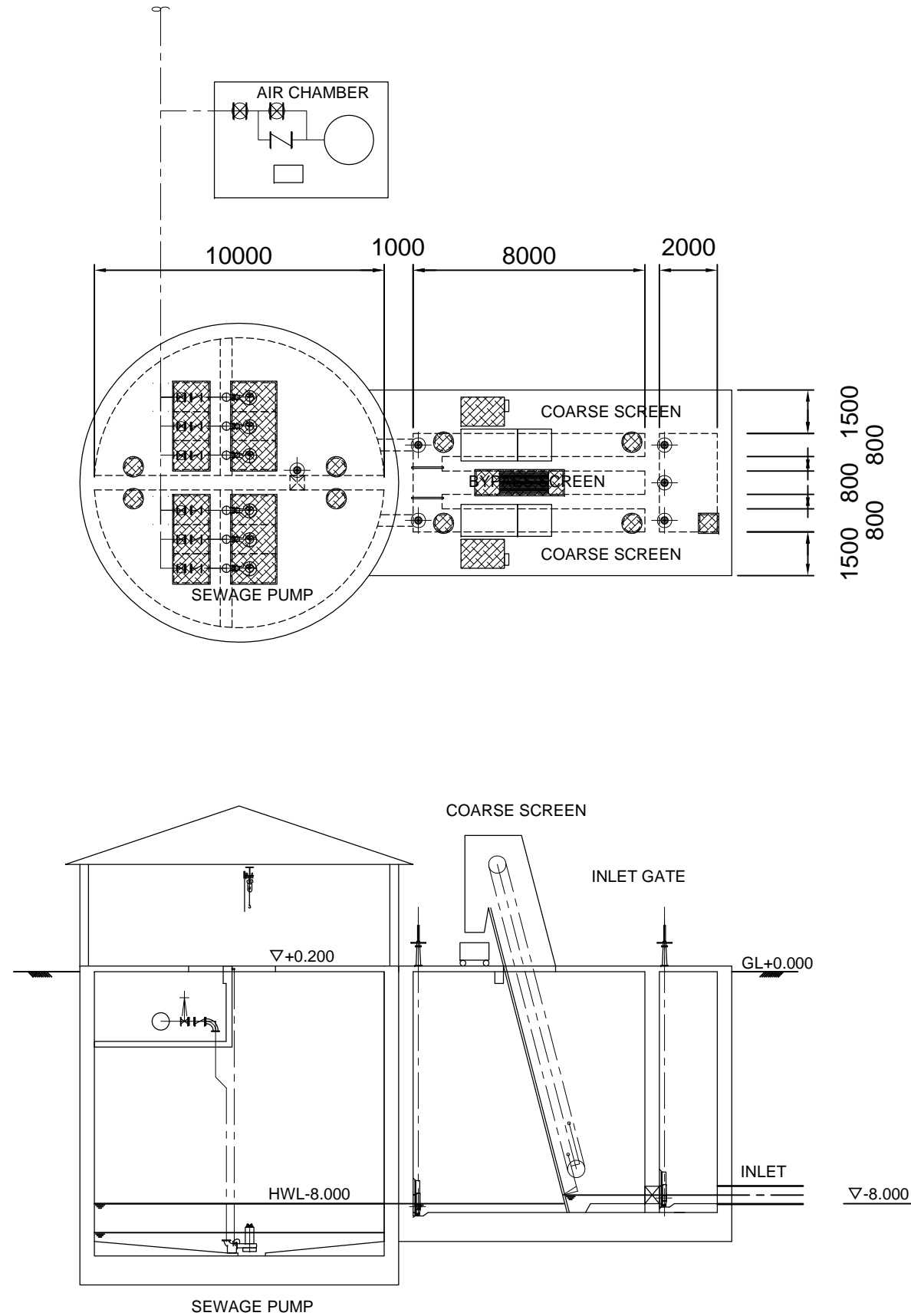
Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
ISPS					
01	Inlet Chamber	1	3.4 ^W	2.0 ^L	0.5 SWD
02	Main Screen Channel	2	0.8 ^W	8.0 ^L	0.7 SWD
03	Bypass Screen Channel	1	0.8 ^W	8.0 ^L	0.7 SWD
04	Raw Sewage Sump	1	10.0 ^{Dia.}		1.7 SWD
05	Transformer	1	8.0 ^W	6.0 ^L	
06	DG/ Switchgear Room	1	8.0 ^W	10.0 ^L	

BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
NJS CONSULTANTS CO., LTD.

DRAWING TITLE: **E-2 DODDABIDARAKALLU 8.1MLD ISPS GENERAL LAYOUT**
 SCALE: **1:300**
 DRAWING NO.: **S-051**

Sr. No.	Facility	No.	W/Dia. (m)	L (m)	SWD/H (m)
MPS					
01	Inlet Chamber	1	3.4 ^W	2.0 ^L	0.5 ^{SWD}
02	Main Screen Channel	2	0.8 ^W	8.0 ^L	0.7 ^{SWD}
03	Bypass Screen Channel	1	0.8 ^W	8.0 ^L	0.7 ^{SWD}
04	Raw Sewage Sump	1	10.0 ^{Dia.}		1.7 ^{SWD}



BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

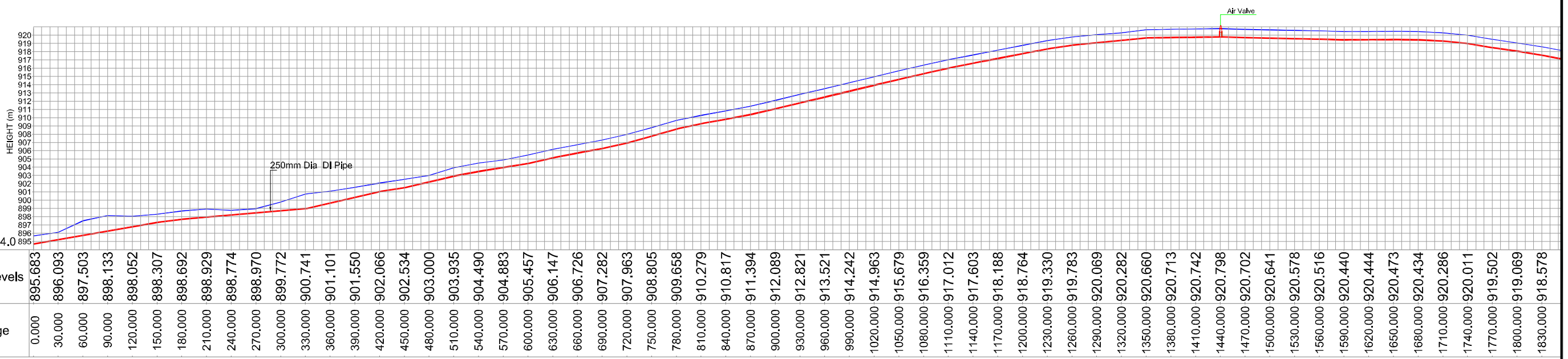
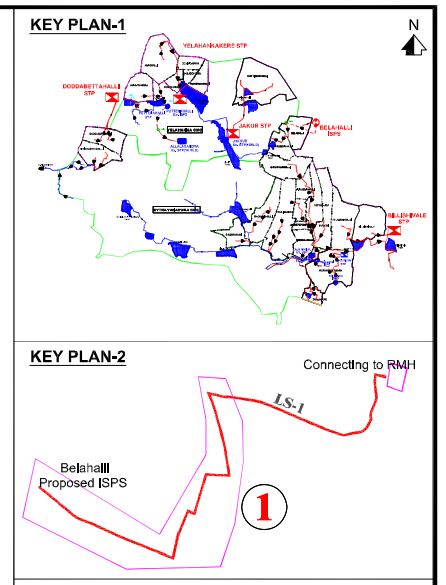
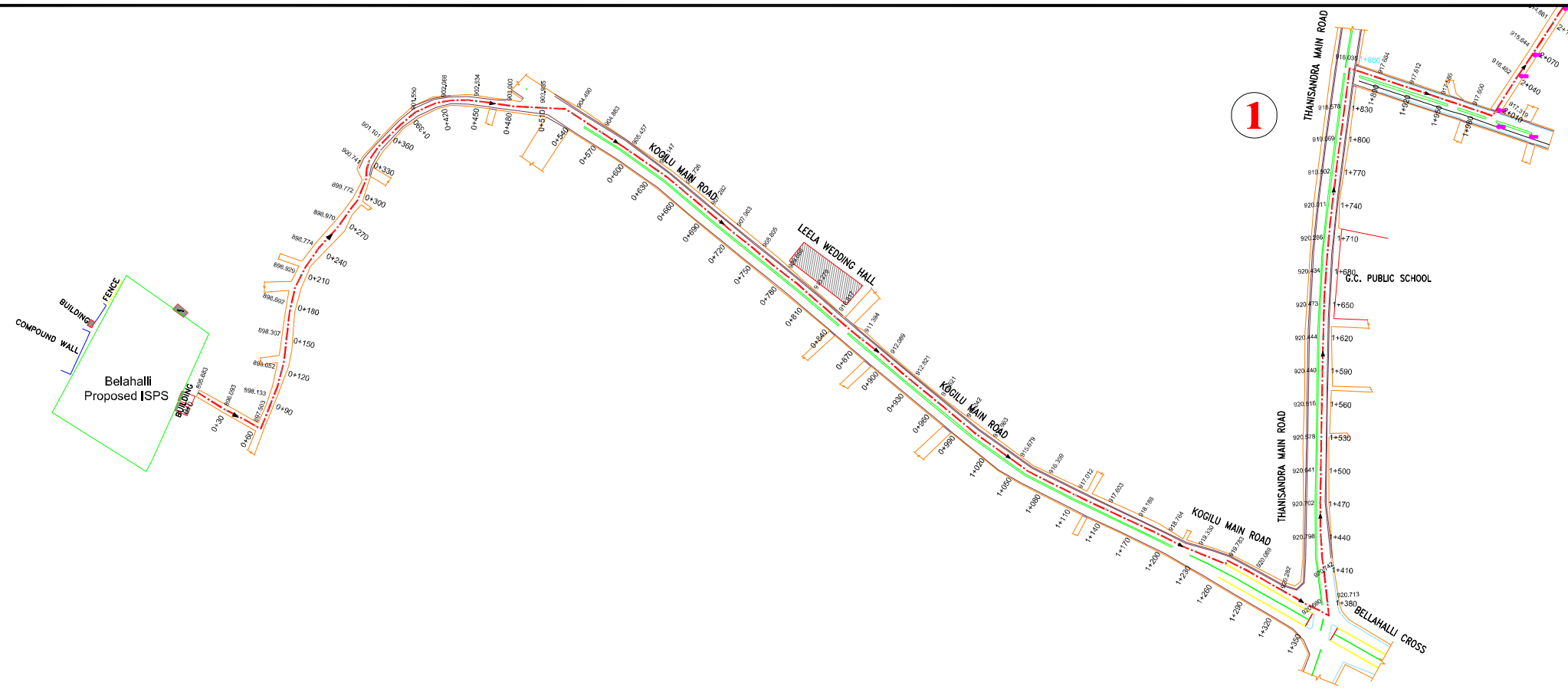
JICA JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

DRAWING TITLE: **E-2 DODDABIDARAKALLU 8.1MLD ISPS PLAN AND SECTION**

SCALE: 1:200

DRAWING NO.: **S-052**

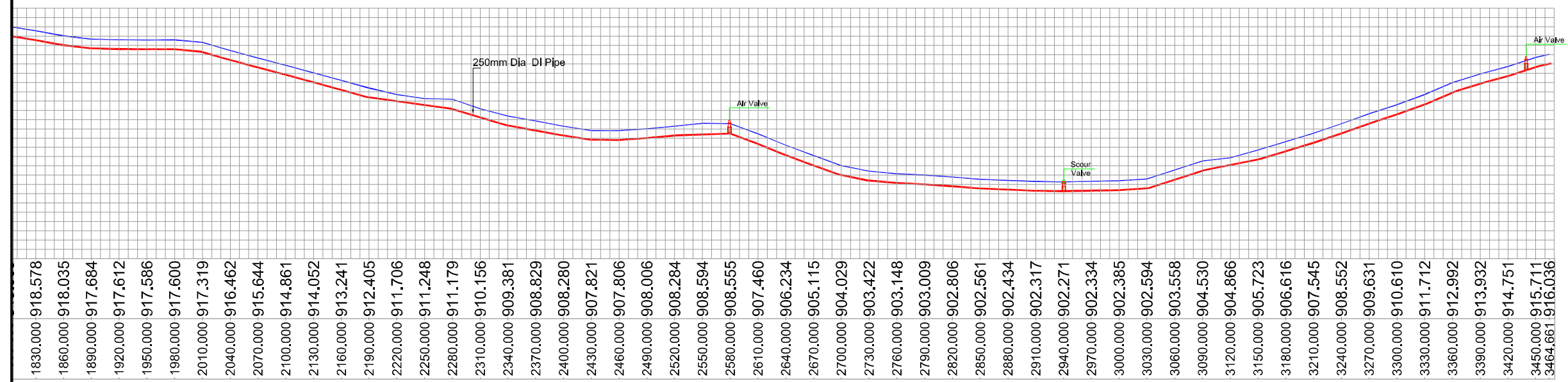
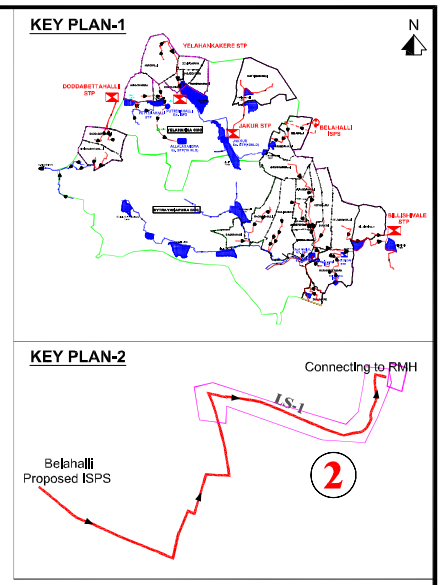
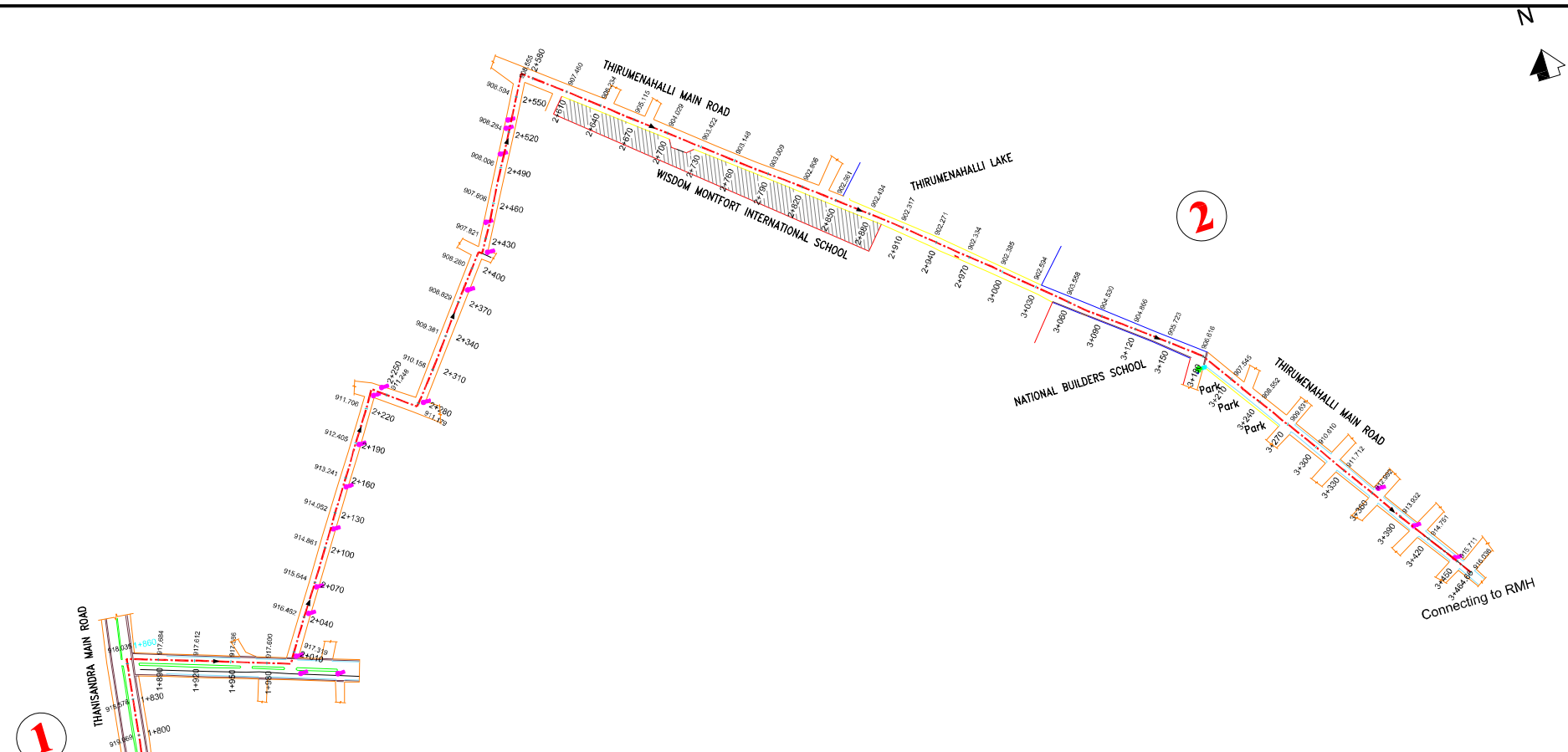


BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

DRAWING TITLE	SCALE
A-1 BELAHALLI ISPS PRESSURE MAIN PLAN AND PROFILE (1)	1:5000
DRAWING NO.	S-053

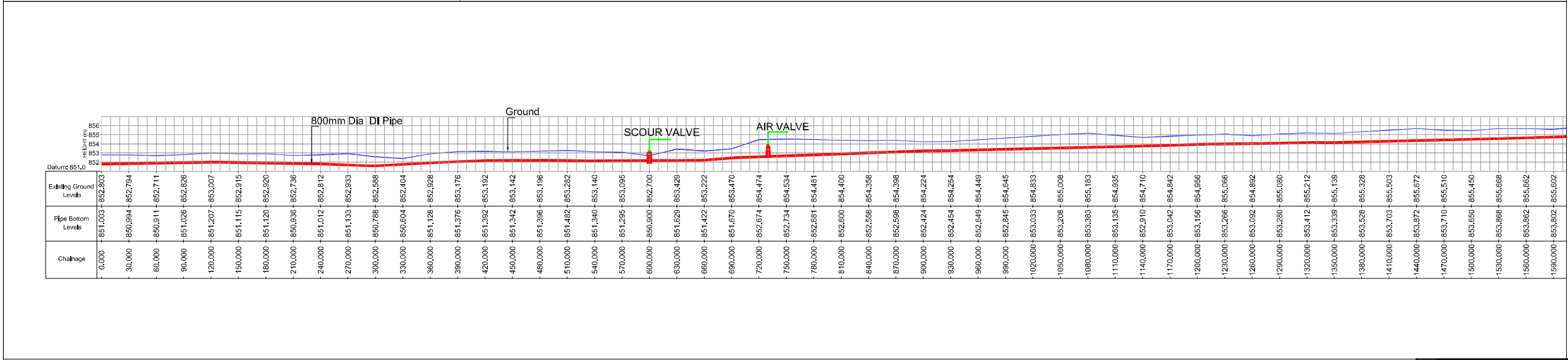
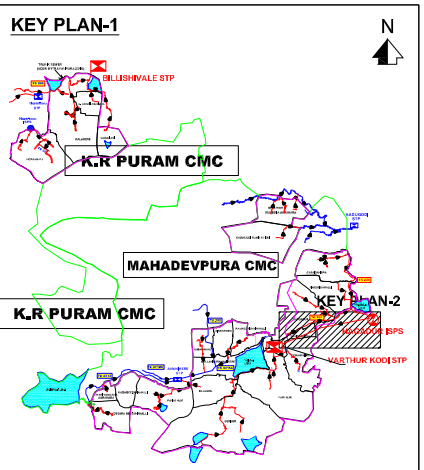


BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

DRAWING TITLE	SCALE
A-1 BELAHALLI ISPS PRESSURE MAIN PLAN AND PROFILE (2)	1:5000
DRAWING NO.	S-054



BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

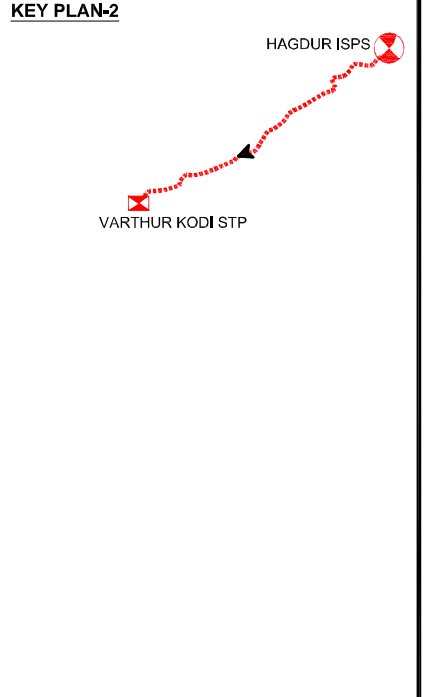
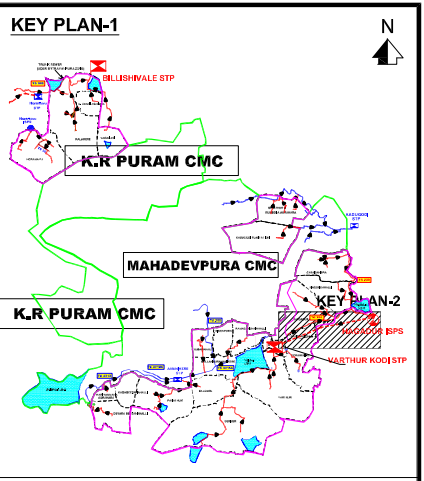
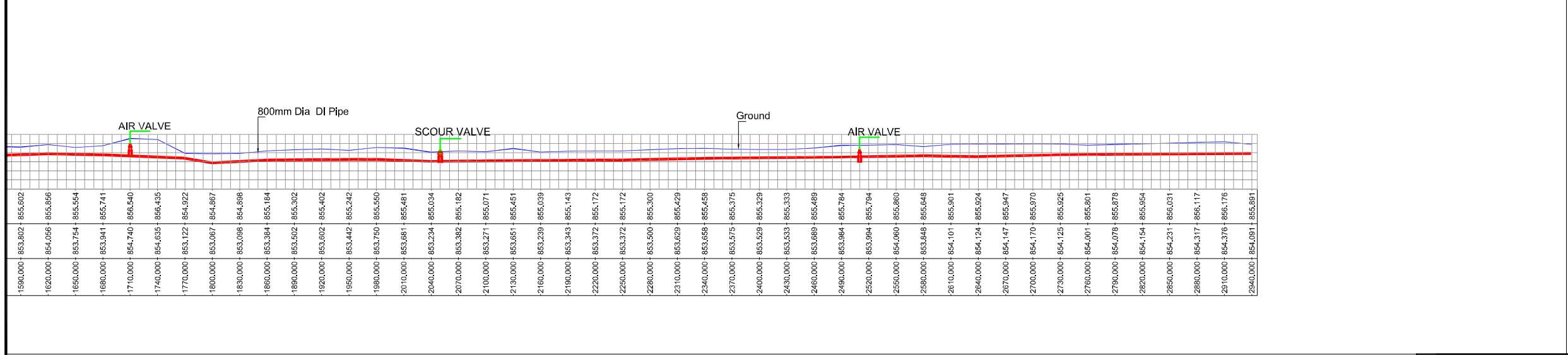
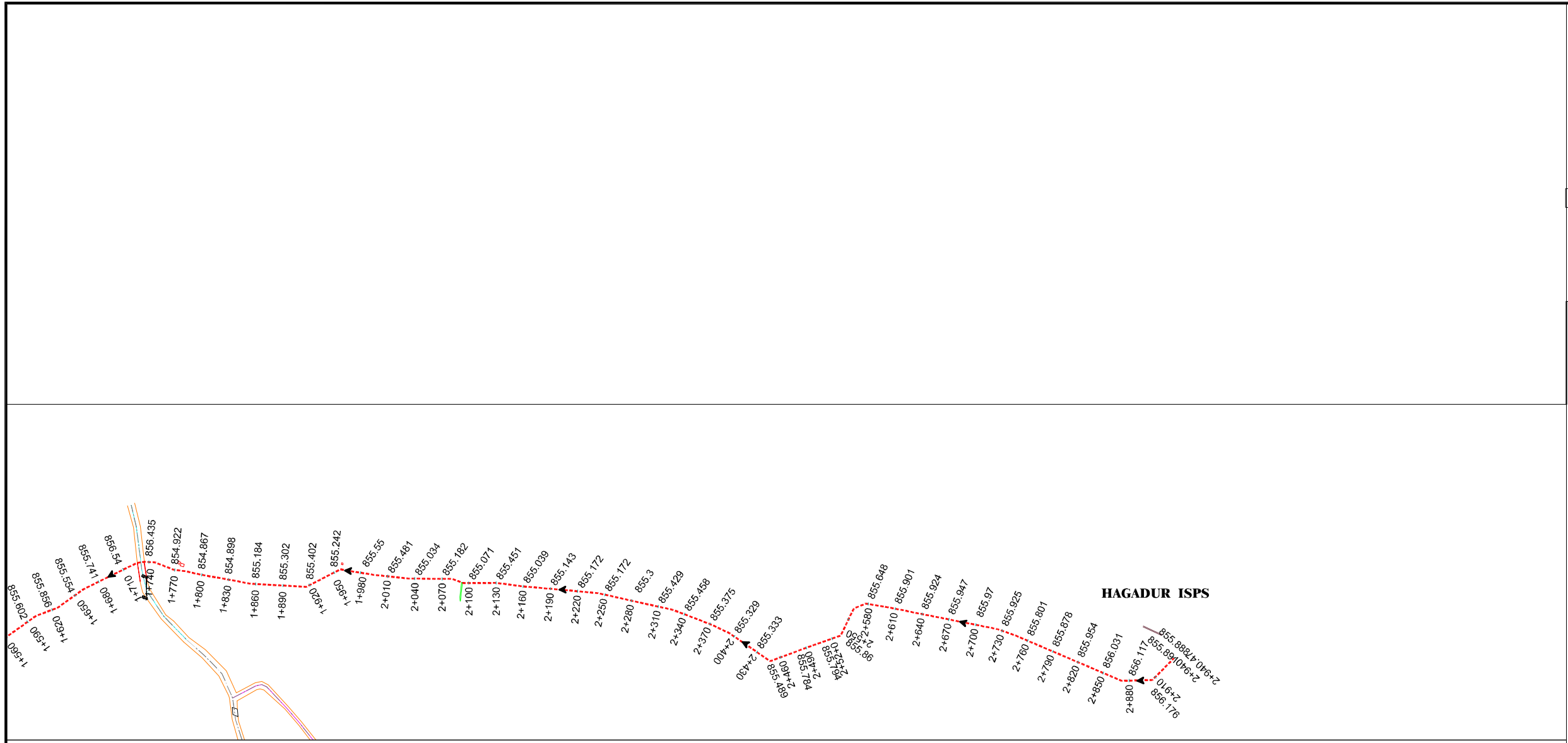
JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

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SCALE: 1:5000

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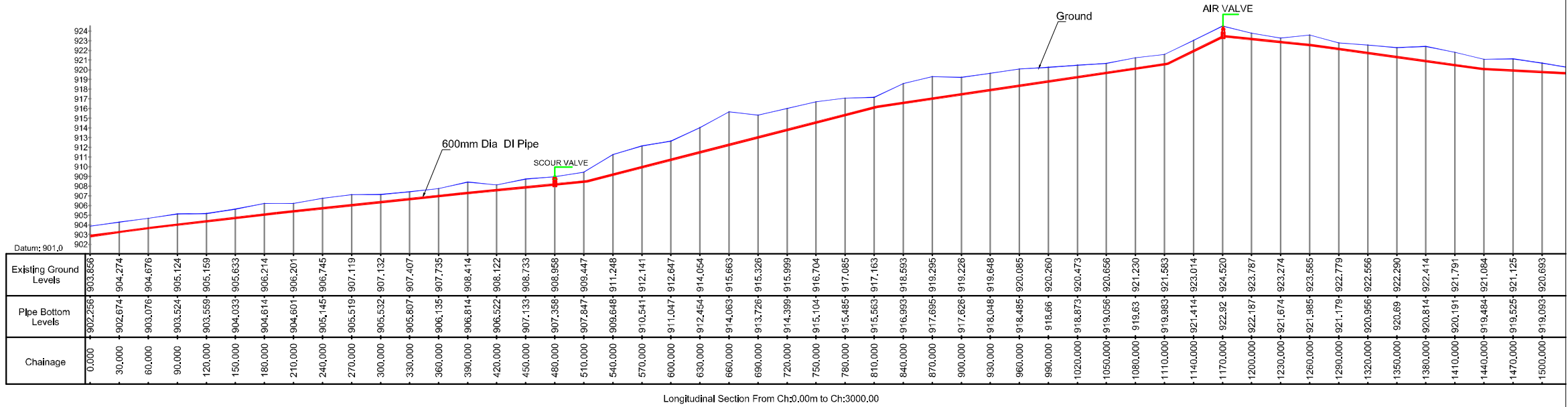
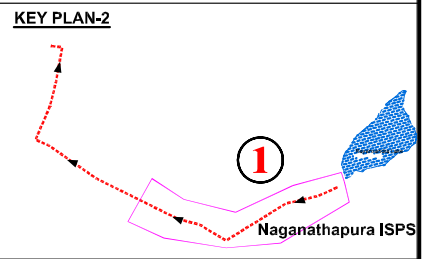
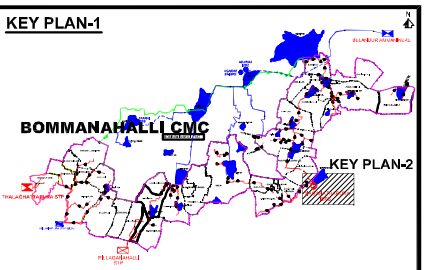
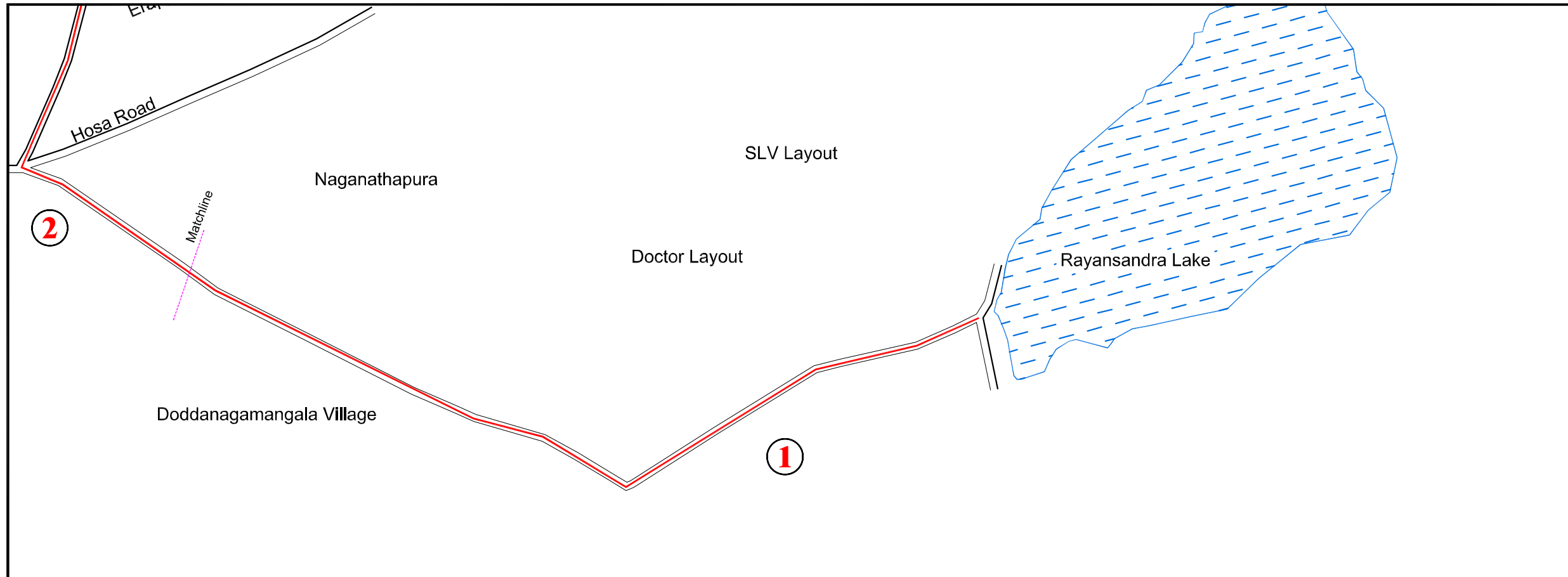


BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

DRAWING TITLE	SCALE
B-1 HAGDUR ISPS PRESSURE MAIN PLAN AND PROFILE (1)	1:5000
	DRAWING NO.
	S-056

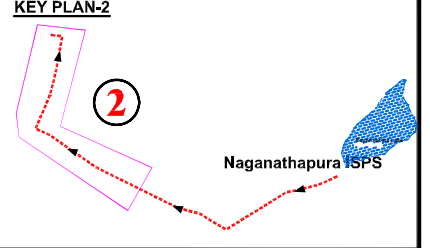
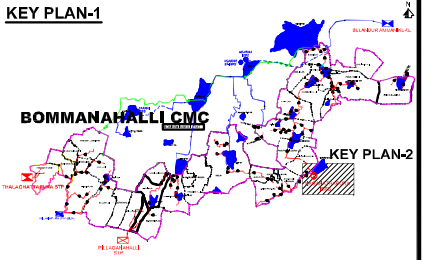
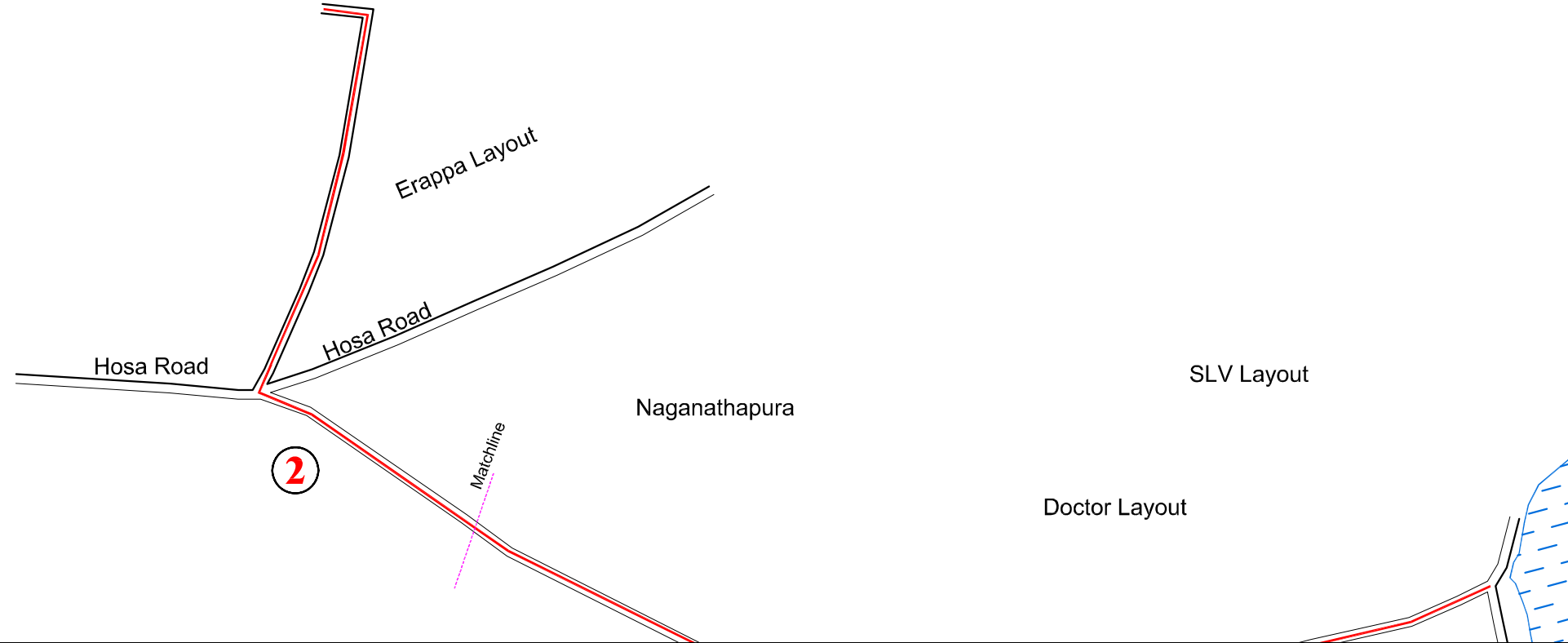


BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

DRAWING TITLE	SCALE
C-1 NAGANATHAPURA ISPS PRESSURE MAIN PLAN AND PROFILE	1:5000
	DRAWING NO.
	S-057

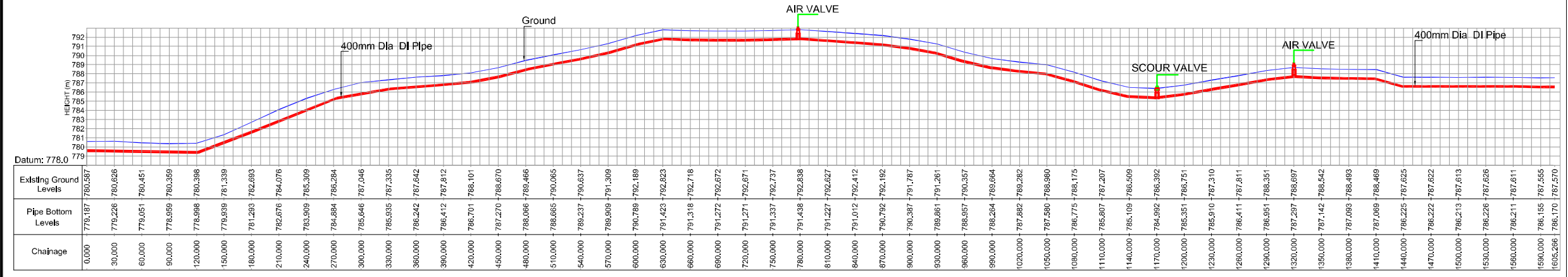
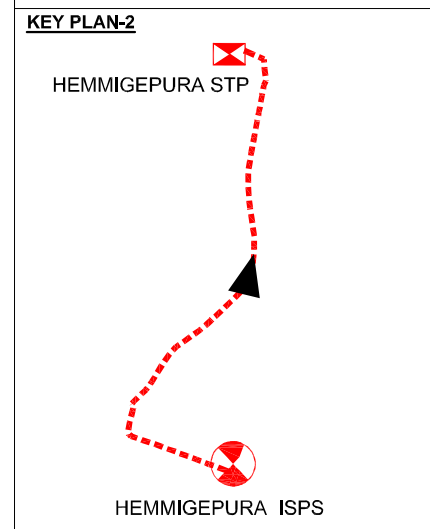
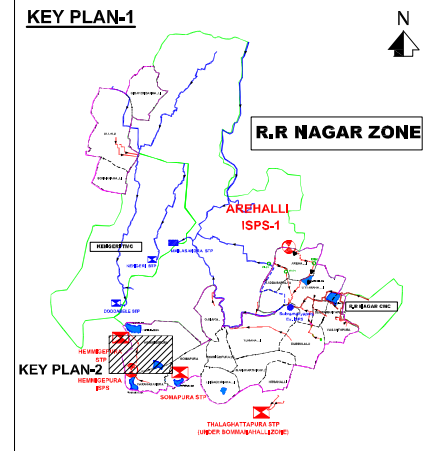
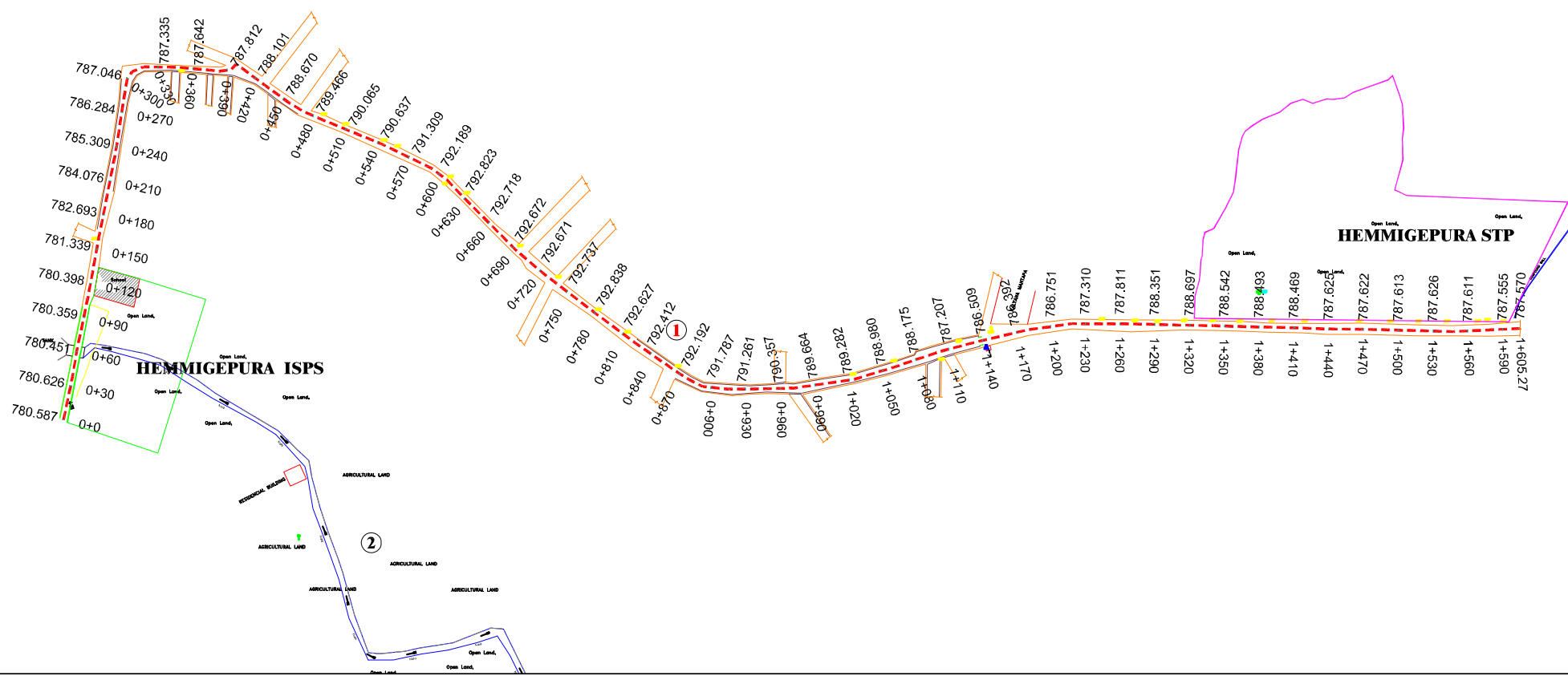


BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

DRAWING TITLE	SCALE
C-1 NAGANATHAPURA ISPS PRESSURE MAIN PLAN AND PROFILE	1:5000
DRAWING NO.	S-058

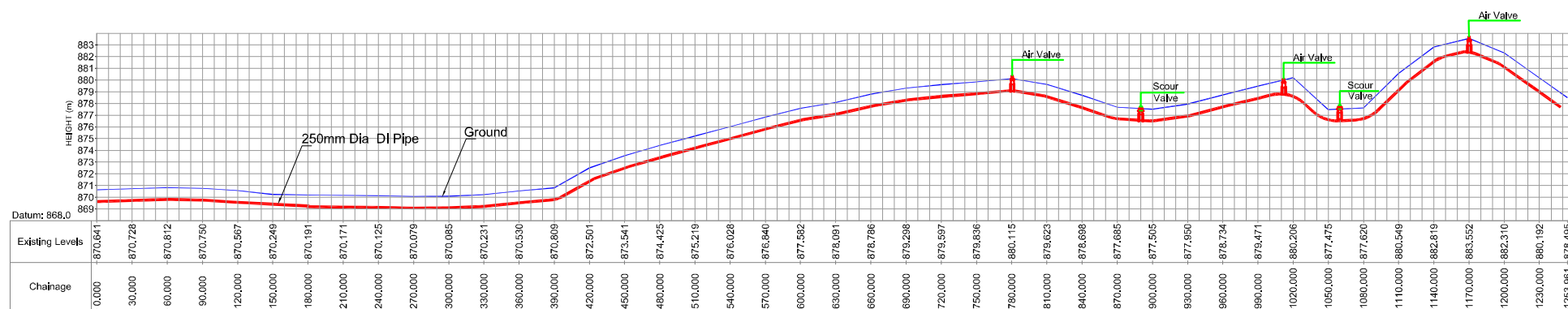
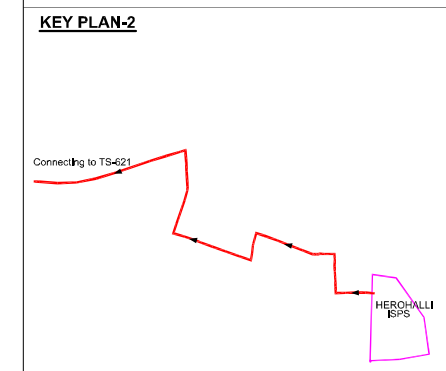
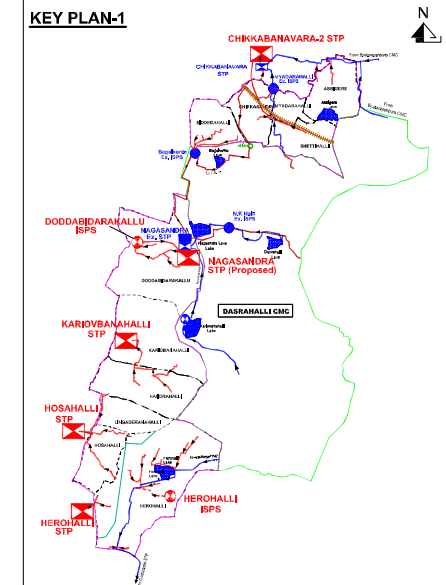
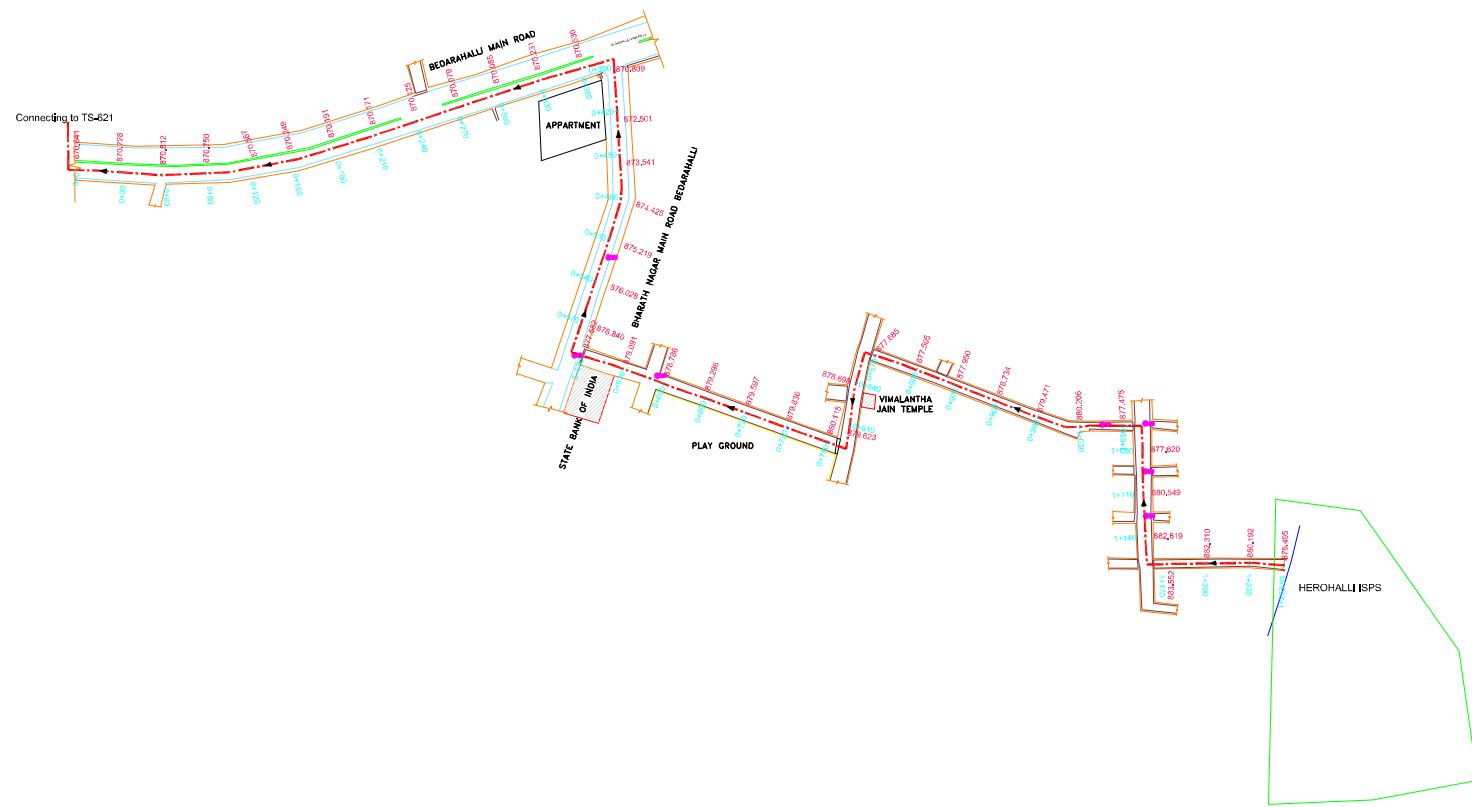


BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

DRAWING TITLE	SCALE
D-2 HEMMIGEPURA ISPS PRESSURE MAIN PLAN AND PROFILE	1:5000
DRAWING NO.	
	S-060



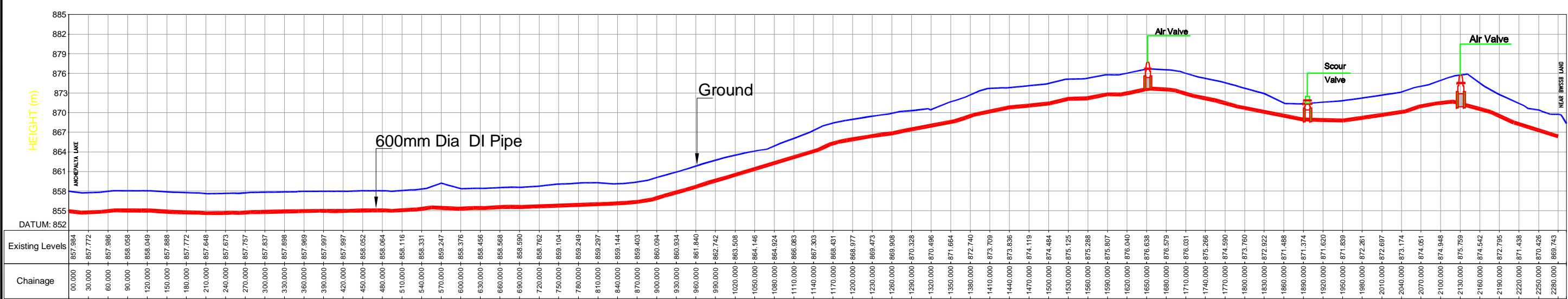
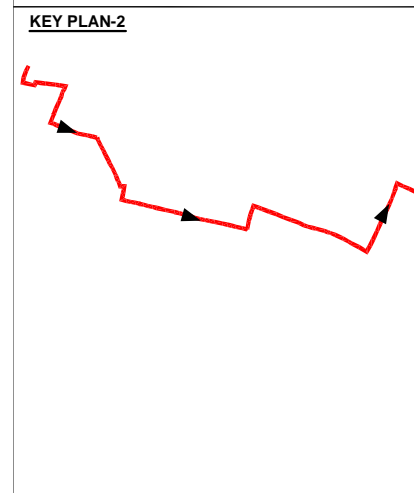
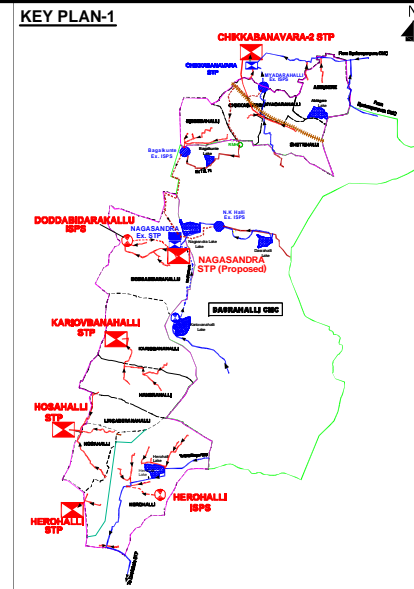
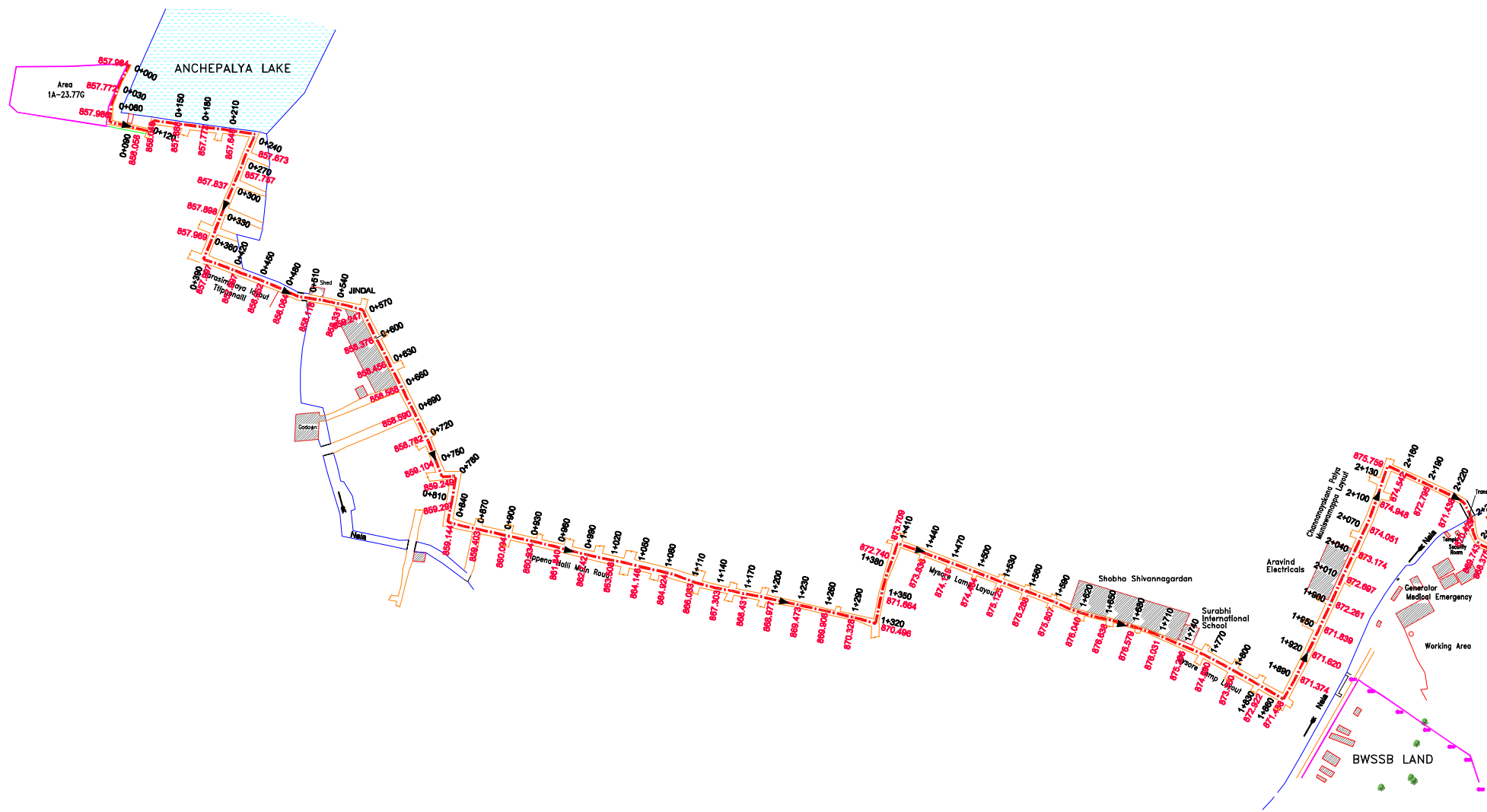
BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

DRAWING TITLE
 E-1 HEROHALLI ISPS PRESSURE MAIN
 PLAN AND PROFILE

SCALE
 1:5000
 DRAWING NO.
 S-061



BENGALURU WATER SUPPLY AND SEWERAGE PROJECT (PHASE 3)
 ベンガルール上下水道整備事業(フェーズ3)

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

DRAWING TITLE: **E-2 DODDABIDARAKALLU ISPS PRESSURE MAIN PLAN AND PROFILE**

SCALE: **1:2000**

DRAWING NO.: **S-062**