

PMC for Chennai Perur 400 MLD Desalination Plant and allied works

Project Name:



JICA Assisted “Project for Construction of 400 MLD Capacity Seawater Reverse Osmosis Desalination Plant at Perur and allied works (JICA Loan ID-P267)”

Contract Package - CP4

Draft Design Report (DDR)

Admin Area - X

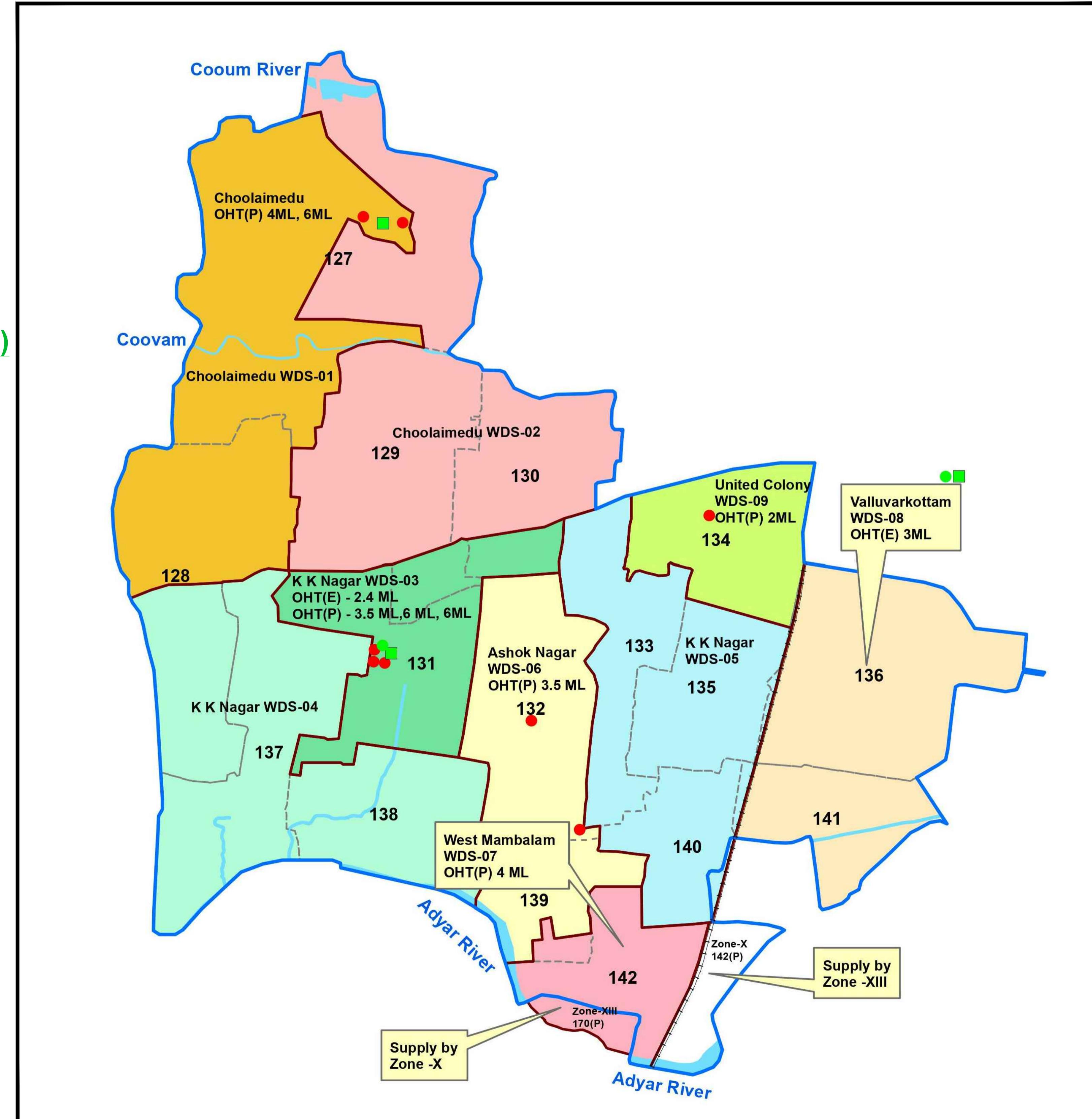
JANUARY- 2022

VOLUME 4 OF 4
PART - 2
(DRAWINGS)

Client:



**Chennai Metropolitan Water Supply
and Sewerage Board (CMWSSB)**



Project management Consultant :



SMEC International Pty Ltd,
TATA Consulting Engineers Limited(TCE),
NJS Engineers India Pvt Ltd (NJSEI),
SMEC India Pvt Ltd.

SMEC (INDIA) Private Limited, 13th Floor, 236, Purvankara Primus, Old Mahabalipuram Road, Okkiyampet, Thoraiyakkam, Chennai 600 097, Tamil Nadu, India.
Office: 044-66973300

LIST OF DRAWINGS: (Part - 2)

SI No	Drawing Title	Drawing No	Sh.no	Sh.size
1	Zone 10 Typical SCADA / Instrumentation & Control P & ID For Existing & Proposed Over Head Tank	701563/PMC400MLD/CP4/IC/001	1	A3
2	Zone 10 Typical SCADA / Instrumentation & Control P & ID For Direct Pumping To Water Transmission Line	701563/PMC400MLD/CP4/IC/002	1	A3
3	Zone 10 WDS Network Communication System	701563/PMC400MLD/CP4/IC/05	1	A3
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6	General arrangement of Overhead Tank 6.0ml-20m Staging at Choolaimedu - Zone X	7061563/PMC400MLD/CP4/CV/WDS02/003	2/1	A1/A2
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9	General Arrangement Of Overhead Tank 6.0ml-20m Staging At K.K.nagar Head Works - Zone X	7061563/PMC400MLD/CP4/CV/WDS04/003	2/1	A1/A2
10	General Arrangement Of Overhead Tank 6.0ml-20m Staging At K.K.nagar Head Works - Zone X	7061563/PMC400MLD/CP4/CV/WDS05/004	3	A1/A2
11	Plot Plan Of 3.5ml Overhead Tank At Ashok Nagar - Zone X	7061563/PMC400MLD/CP4/CV/WDS06/001	1	A2
12	General Arrangement Of Overhead Tank 3.5ml-17m Staging At Ashok Nagar - Zone X	7061563/PMC400MLD/CP4/CV/WDS06/002	3	A1
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15	Plot Plan Of 2.0ml Overhead Tank At United Colony - Zone X	7061563/PMC400MLD/CP4/CV/WDS09/001	1	A2
16	General Arrangement Of Overhead Tank 2.0ml-17m Staging At United Colony - Zone X	7061563/PMC400MLD/CP4/CV/WDS09/002	3	A1

Client:



**Chennai Metropolitan Water Supply
and Sewerage Board (CMWSSB)**

Project management Consultant :

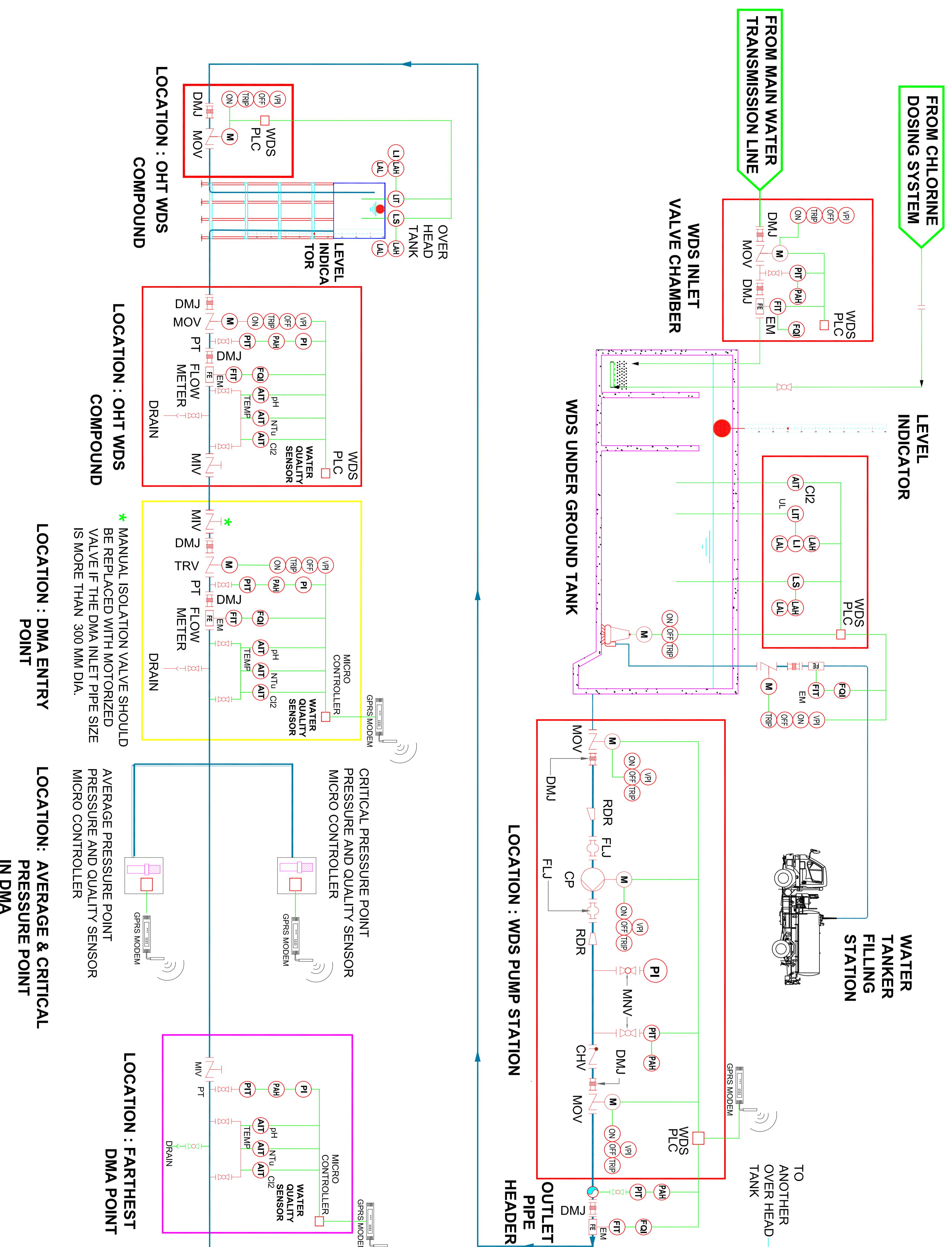


SMEC International Pty Ltd,
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NJS Engineers India Pvt Ltd (NJSEI),
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Office: 044-66973300

ZONE 10 TYPICAL SCADA / INSTRUMENTATION & CONTROL P&ID

FOR EXISTING & PROPOSED OVER HEAD TANK



LEGEND :

MV	-	Motorized Valve
CP	-	Centrifugal Pump
DMJ	-	Dismantling Joint
RDR	-	Reducer
FJ	-	Flexible Joint
MOV	-	Manual Isolation Valve
PI	-	Pressure Indicator
PIT	-	Pressure Indication & Transmitter
CHV	-	Check Valve
ATC12	-	Chlorine Analyzer
ATC12 pH	-	pH and Temperature Analyzer
ATtemp	-	Temperature
LIT	-	Turbidity Analyzer
LS	-	Level Transmitter - Ultrasonic
FIT	-	Level Switch - Capacitive Type
PLC	-	Programmable Logic Controller
FE	-	Flow Element
EM	-	Electromagnetic
US	-	Ultrasonic
M	-	Motor
pH	-	Acidity / Alkalinity
TEMP	-	Temperature
NTU	-	Turbidity
LAH	-	Automatic Meter Reading
FQI	-	Level Alarm Low Flow Indicating Totalizer
LI	-	Level Indication
M	-	3 Phase Motor
TRV	-	Throttling Valve

LEGEND :

MOV	-	Motorized Valve
CP	-	Centrifugal Pump
DMJ	-	Dismantling Joint
RDR	-	Reducer
FJ	-	Flexible Joint
MOV	-	Manual Isolation Valve
PI	-	Pressure Indicator
PIT	-	Pressure Indication & Transmitter
CHV	-	Check Valve
ATC12	-	Chlorine Analyzer
ATC12 pH	-	pH and Temperature Analyzer
ATtemp	-	Temperature
LIT	-	Turbidity Analyzer
LS	-	Level Transmitter - Ultrasonic
FIT	-	Level Switch - Capacitive Type
PLC	-	Programmable Logic Controller
FE	-	Flow Element
EM	-	Electromagnetic
US	-	Ultrasonic
M	-	Motor
pH	-	Acidity / Alkalinity
TEMP	-	Temperature
NTU	-	Turbidity
LAH	-	Automatic Meter Reading
FQI	-	Level Alarm Low Flow Indicating Totalizer
LI	-	Level Indication
M	-	3 Phase Motor
TRV	-	Throttling Valve

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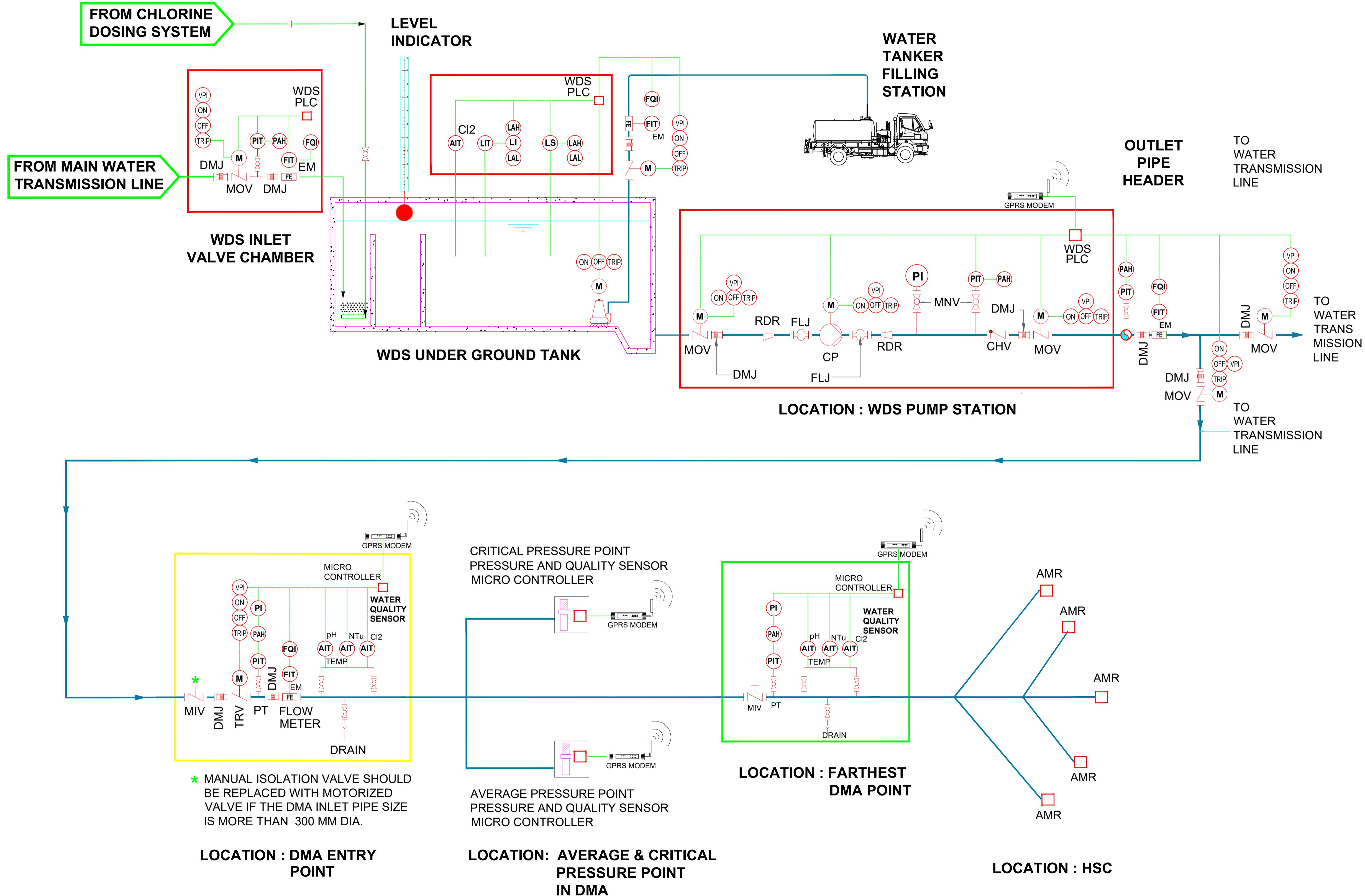
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ZONE 10 TYPICAL SCADA / INSTRUMENTATION & CONTROL P&ID

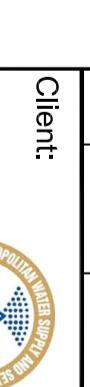
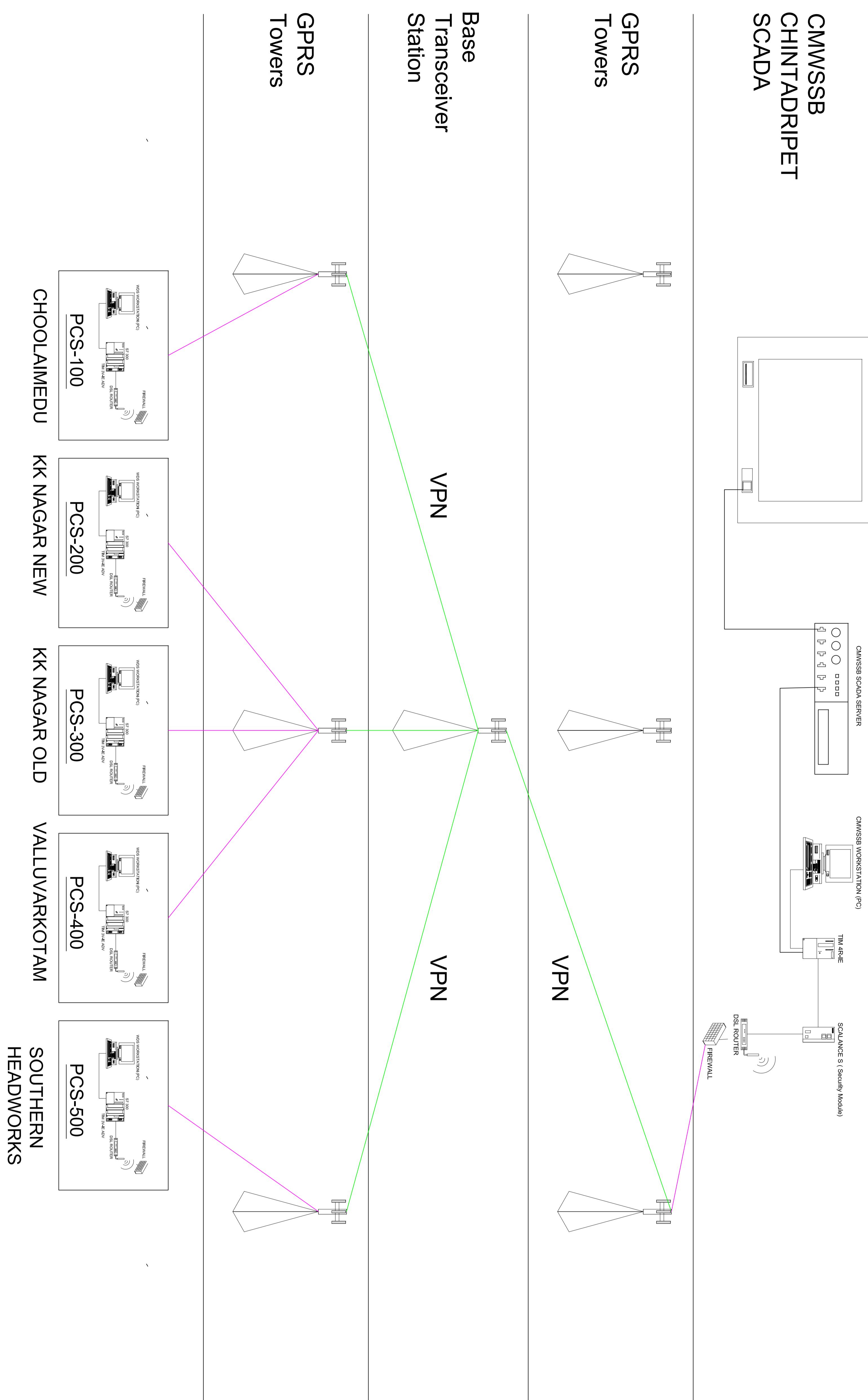
FOR DIRECT PUMPING TO WATER TRANSMISSION LINE



LEGEND :	
MOV	- Motorized Valve
CP	- Centrifugal Pump
DMJ	- Dismantling Joint
RDR	- Reducer
FLJ	- Flexible Joint
MIV	- Manual Isolation Valve
PI	- Pressure Indicator
PIT	- Pressure Indication & Transmitter
CHV	- Check Valve
AIT C12	- Chlorine Analyzer
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PLC	- Programmable Logic Controller
M	- Motor
pH	- Acidity / Alkalinity
TEMP	- Temperature
NTu	- Turbidity
AMR	- Automatic Meter Reading
LAH	- Level Alarm High
LAL	- Level Alarm Low
FQI	- Flow Indicating Totalizer
LI	- Level Indication
TRV	- Throttling Valve

0 SEP 2021	JN	OM	GG
Rev Date	Description	Drawn	Chkd Appd
Client:	Project management Consultant:  SMEC International Pty Ltd, TATA Consulting Engineers Limited (TCE), NJS Engineers India Pvt Ltd (NJSEI), SMEC India Pvt Ltd.		
Project Name:	JICA Assisted "Project for Construction of 400 MLD Capacity Seawater Reverse Osmosis Desalination Plant at Perur and allied works (JICA Loan ID-P267)"		
Project Code:	Contract Package - CP4		
Status:	Draft Design Report (DDR)		
Drawing Title:	ZONE 10 TYPICAL SCADA / INSTRUMENTATION & CONTROL P&ID FOR DIRECT PUMPING TO WATER TRANSMISSION LINE		
Drawn :	JN	Checked :	OM
Designed :	GG	Approved :	GG
Date :	SEP 2021	Scale :	1:1
Drawing Number:	701563/PMC400MLD/CP4/IC/002	Sh.No	Rev 0

ZONE 10 WDS NETWORK COMMUNICATION SYSTEM



Project Name:
JICA Assisted "Project for Construction of 400 MLD Capacity Seawater Reverse Osmosis Desalination Plant at Perur and allied works (JICA Loan ID-P207)"

Project Code: **CP4**

Status: **Draft Design Report (DDR)**

Drawing Title: **ZONE 10 WDS NETWORK COMMUNICATION SYSTEM**

Drawn : **JN**

Checked : **OM**

Approved : **GS**

Date : **SEP 2021**

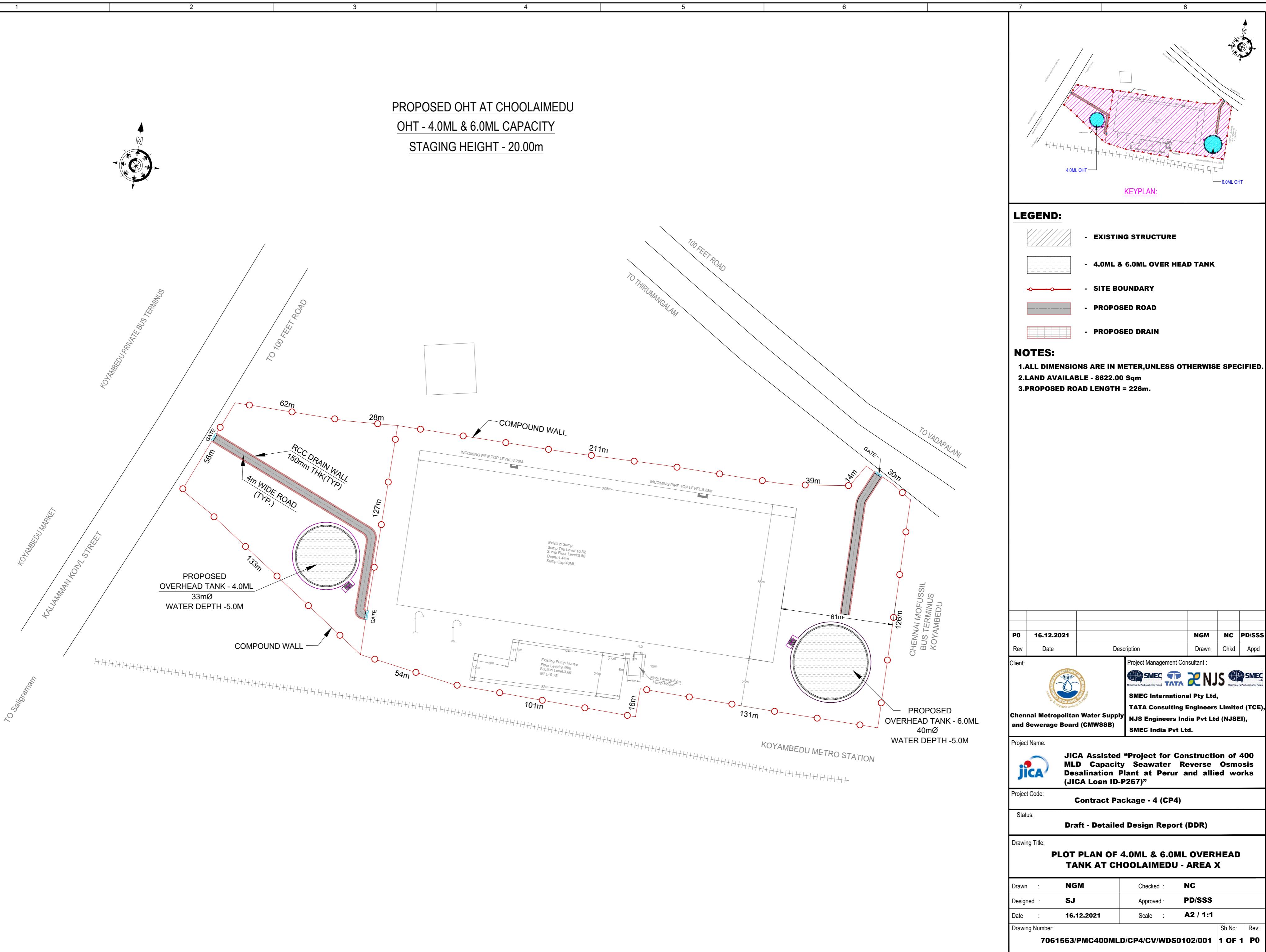
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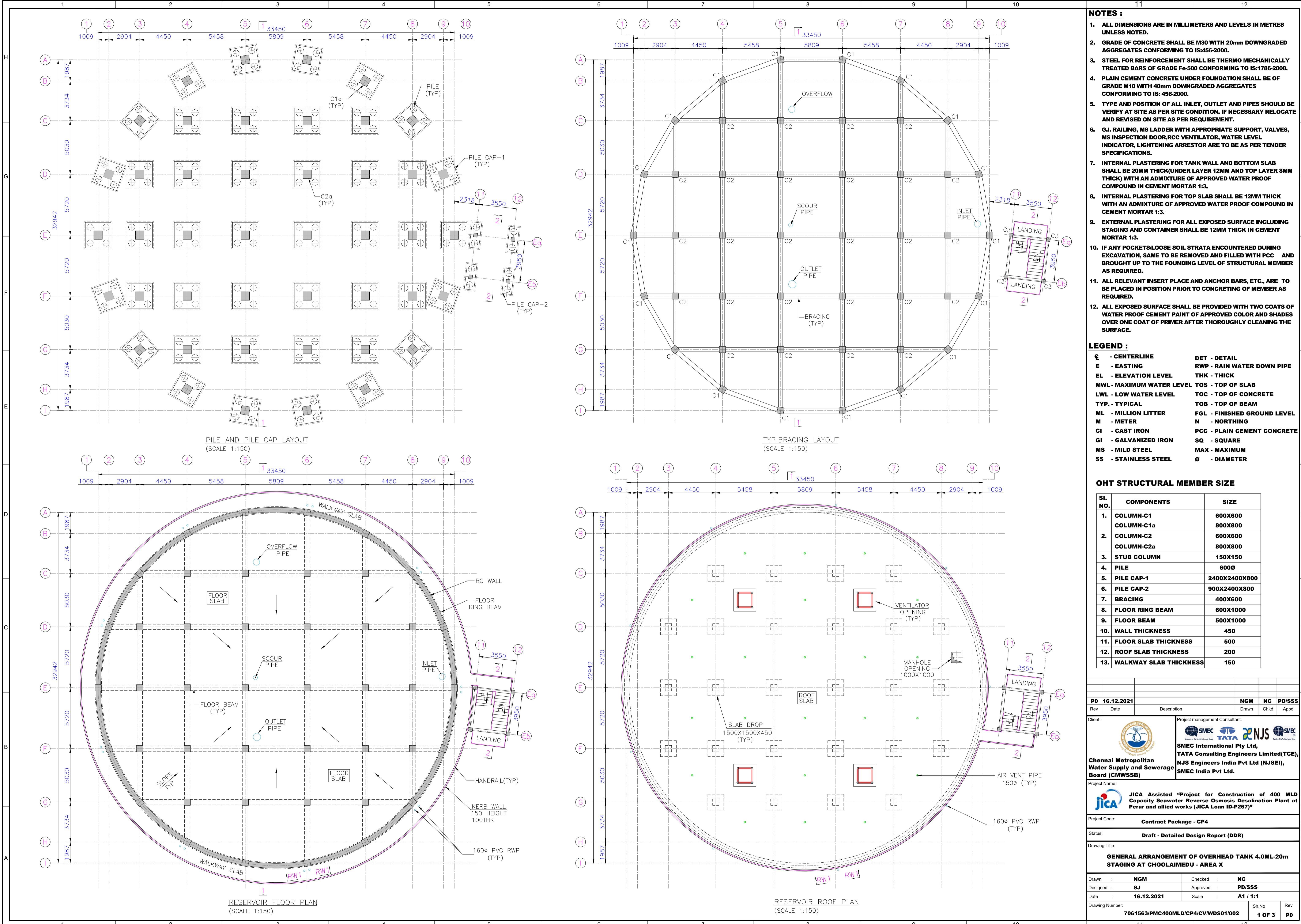
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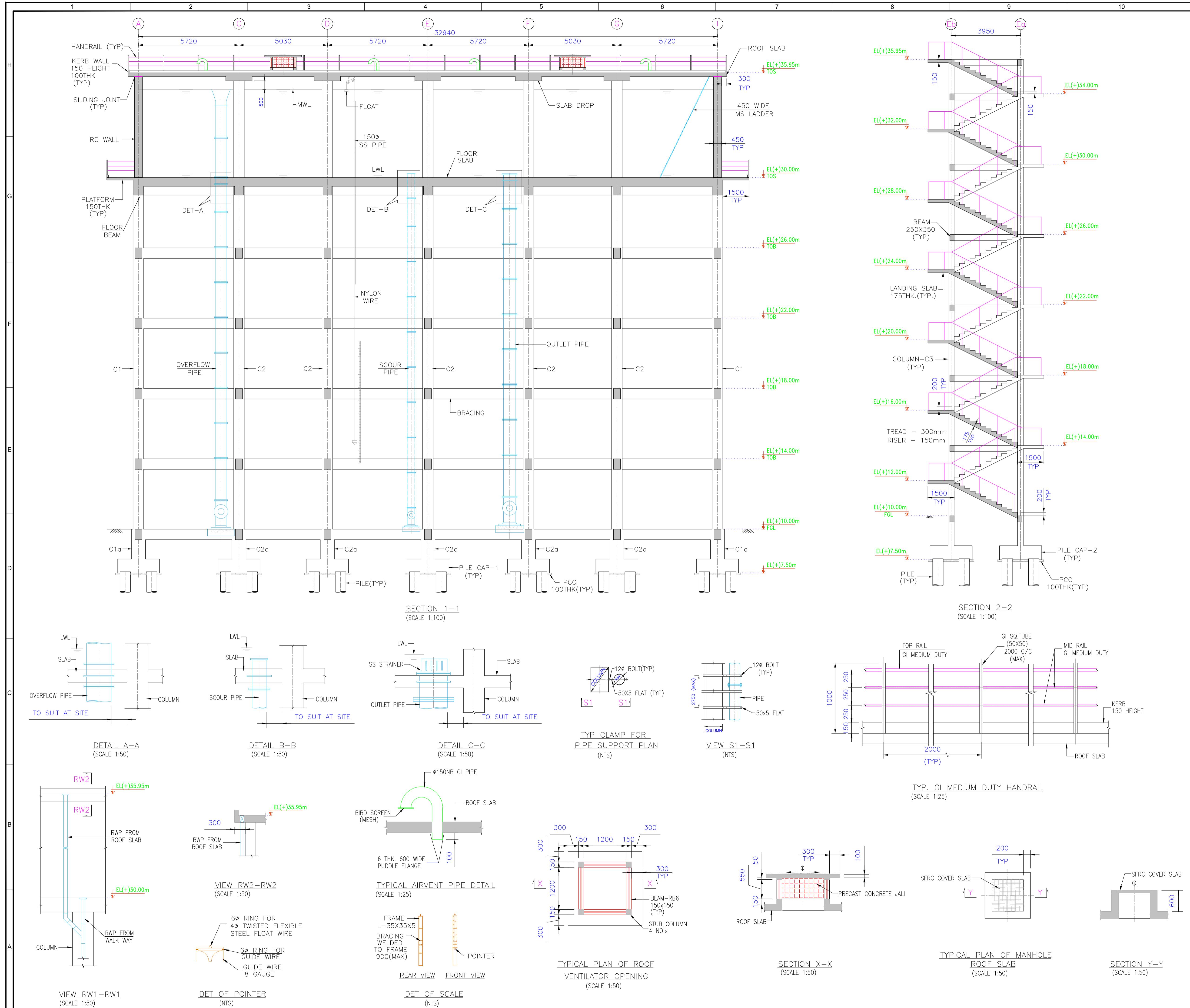
Rev : **0**

Drawing Number: **701563|PM|C400MLD|CP4|C05**

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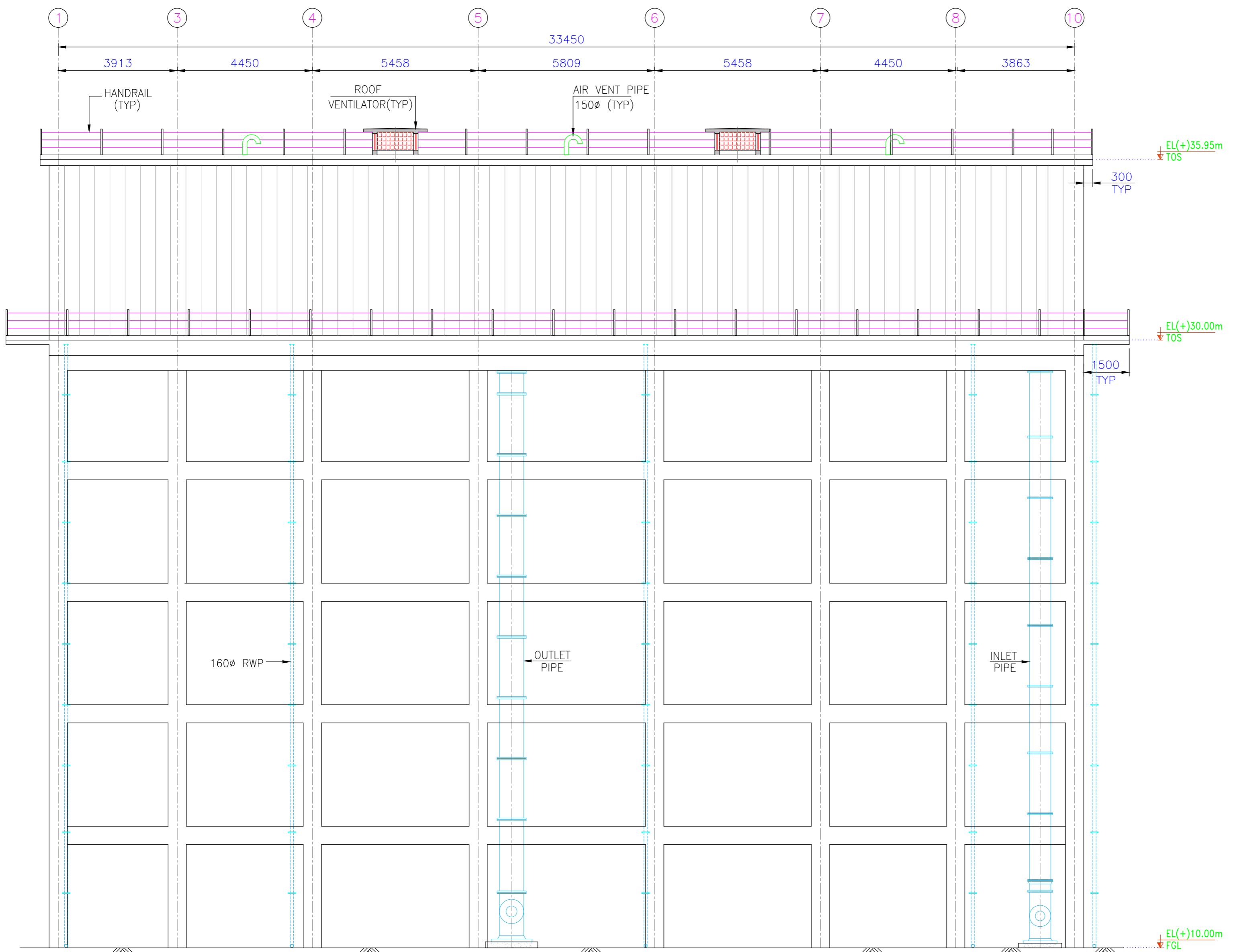
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NOTES :		
1. FOR LEGEND AND NOTES REFER DWG. 7061563/PMC400MLD/CP4/CV/WDS01/002 (SHEET 1 OF 1)		
OHT STAIRCASE MEMBER SIZE		
SI. NO.	COMPONENTS	SIZE
1.	COLUMN-C3	350X350
2.	LANDING BEAM	250X350
3.	LANDING SLAB THICKNESS	175
4.	BASE SLAB THICKNESS	175

PIPE MEMBER SIZE		
SI. NO.	TYPE OF PIPE	PIPE DIA
1.	INLET PIPE	600Ø
2.	OUTLET PIPE	700Ø
3.	SCOUR PIPE	400Ø
4.	OVERFLOW PIPE	600Ø

PO	16.12.2021	Description	Drawn	Chkd	Appd				
Rev	Date								
Client:		Project management Consultant:							
 Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB)		 SMEC International Pty Ltd,  TATA Consulting Engineers Limited(TCE),  NJS Engineers India Pvt Ltd (NJSEI),  SMEC India Pvt Ltd.							
Project Name:									
 JICA Assisted “Project for Construction of 400 MLD Capacity Seawater Reverse Osmosis Desalination Plant at Perur and allied works (JICA Loan ID-P267)”									
Project Code:									
Contract Package - CP4									
Status:									
Draft - Detailed Design Report (DDR)									
Drawing Title:									
GENERAL ARRANGEMENT OF OVERHEAD TANK 4.0ML-20m STAGING AT CHOOLAIMEDU - AREA X									
Drawn :	NGM	Checked :	NC						
Designed :	SJ	Approved :	PD/SSS						
Date :	16.12.2021	Scale :	A1 / 1:1						
Drawing Number:				Sh.No	Rev				
7061563/PMC400MLD/CP4/CV/WDS01/002				2 OF 3	P0				

NOTES :

- FOR LEGEND AND NOTES REFER DWG.
7061563/PMC400MLD/CP4/CV/WDS01/002
(SHEET 1 OF 3) &(SHEET 2 OF 3)



RESERVOIR ELEVATION
(SCALE 1:100)

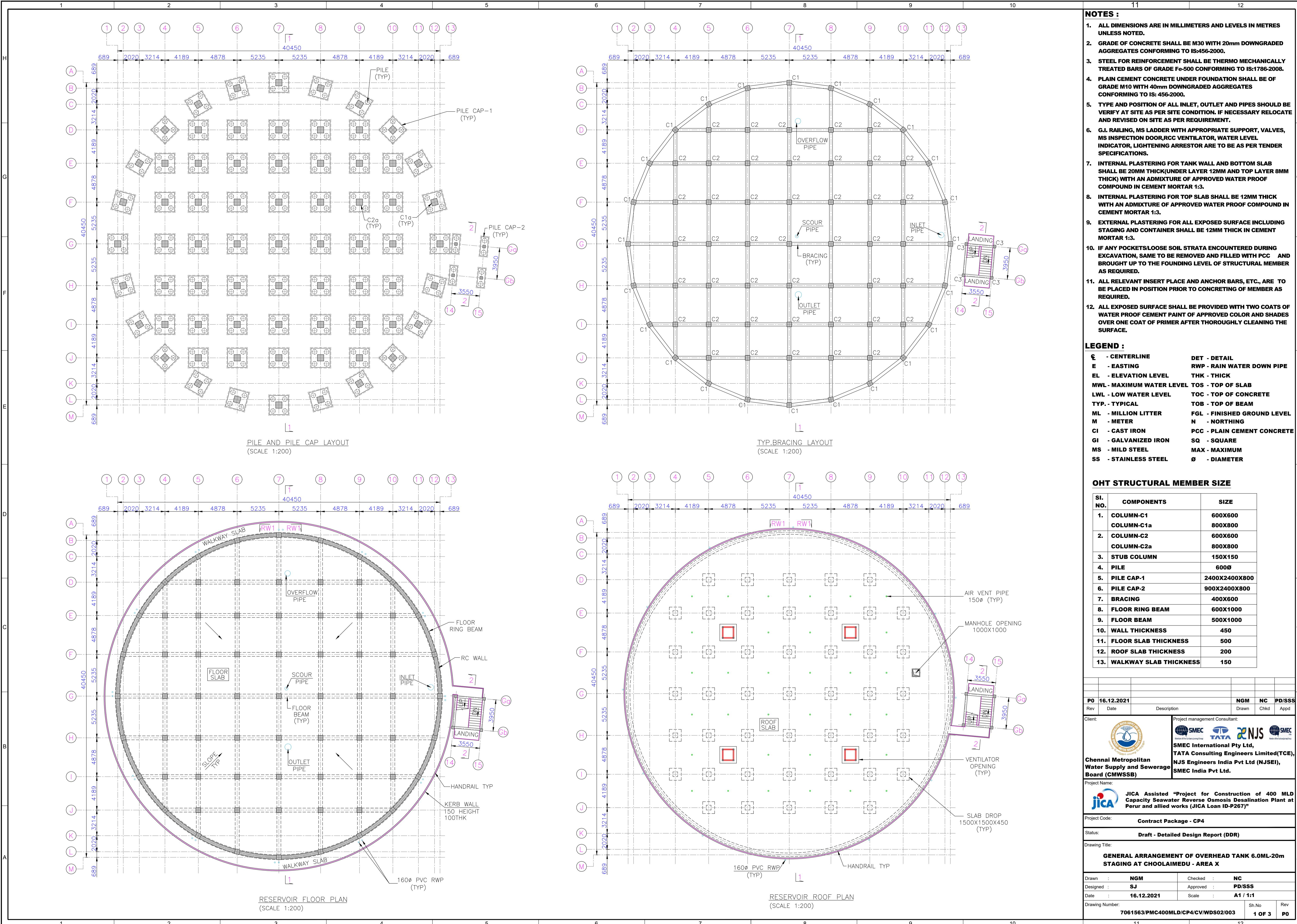
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Rev	Date	Description		
Client:		Project Management Consultant :		
		 SMEC Member of the Suez Group  TATA  NJS Member of the Suez Group		
Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB)		SMEC International Pty Ltd, TATA Consulting Engineers Limited (TCE), NJS Engineers India Pvt Ltd (NJSEI), SMEC India Pvt Ltd.		

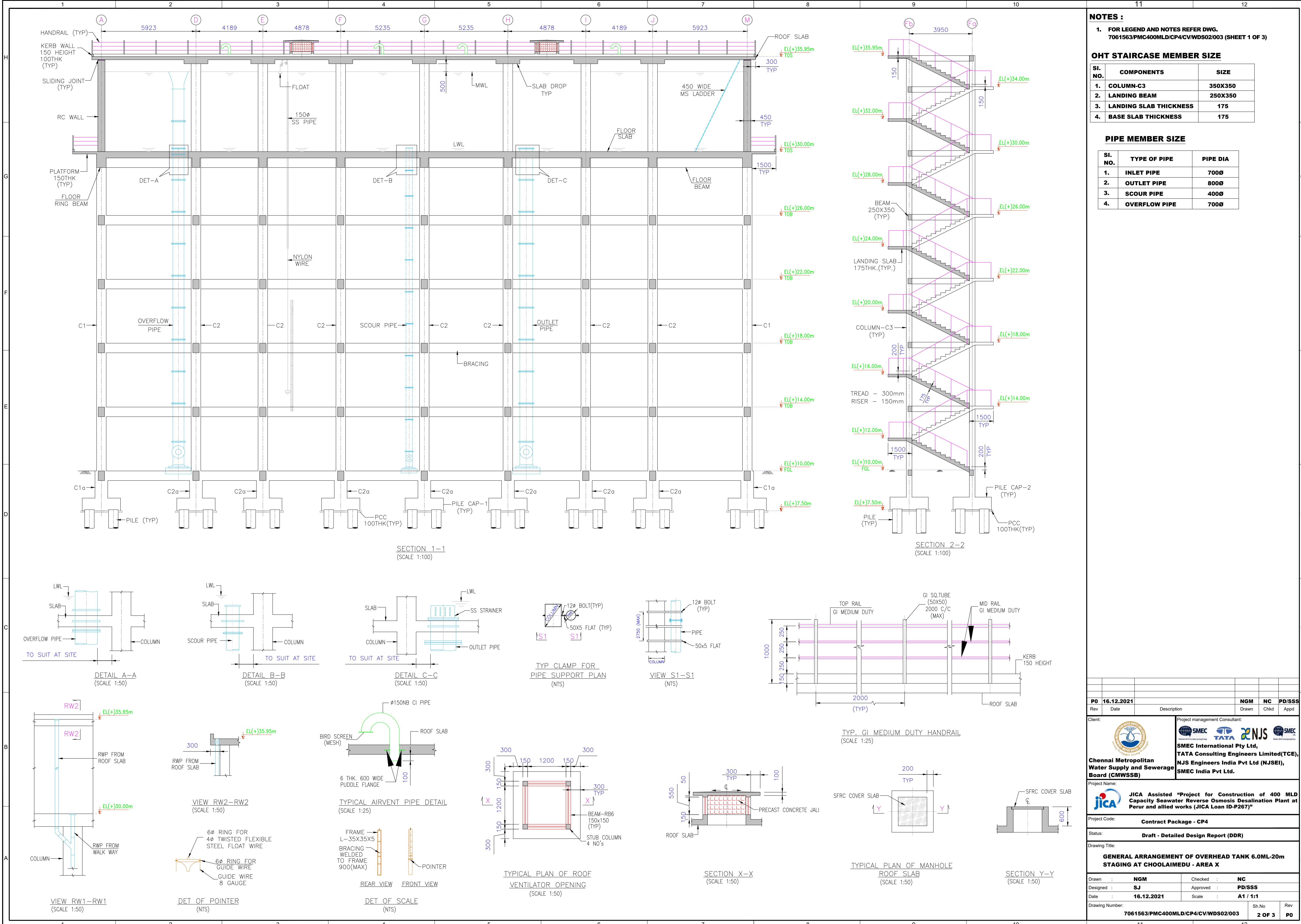
Project Name:
 JICA Assisted "Project for Construction of 400 MLD Capacity Seawater Reverse Osmosis Desalination Plant at Perur and allied works (JICA Loan ID-P267)"

Project Code:
Contract Package - CP4

Status:
Draft - Detailed Design Report (DDR)

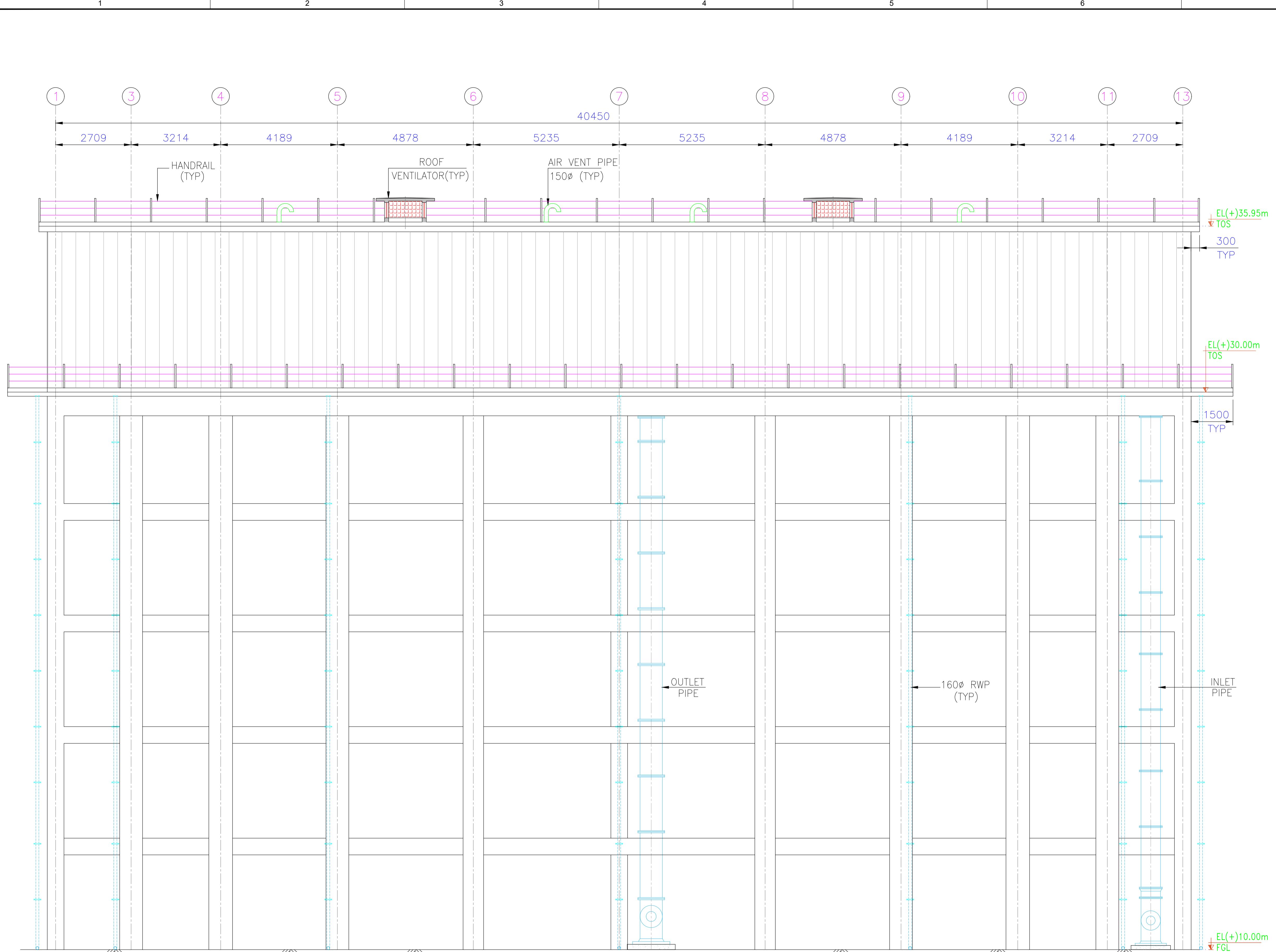
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Date :	16.12.2021	Scale :	A2 / 1:1
Drawing Number:			Sh.No: Rev:
7061563/PMC400MLD/CP4/CV/WDS01/002			3 OF 3 P0





NOTES :

- FOR LEGEND AND NOTES REFER DWG.
7061563/PMC400MLD/CP4/CV/WDS02/003
(SHEET 1 OF 3) &(SHEET 2 OF 3)



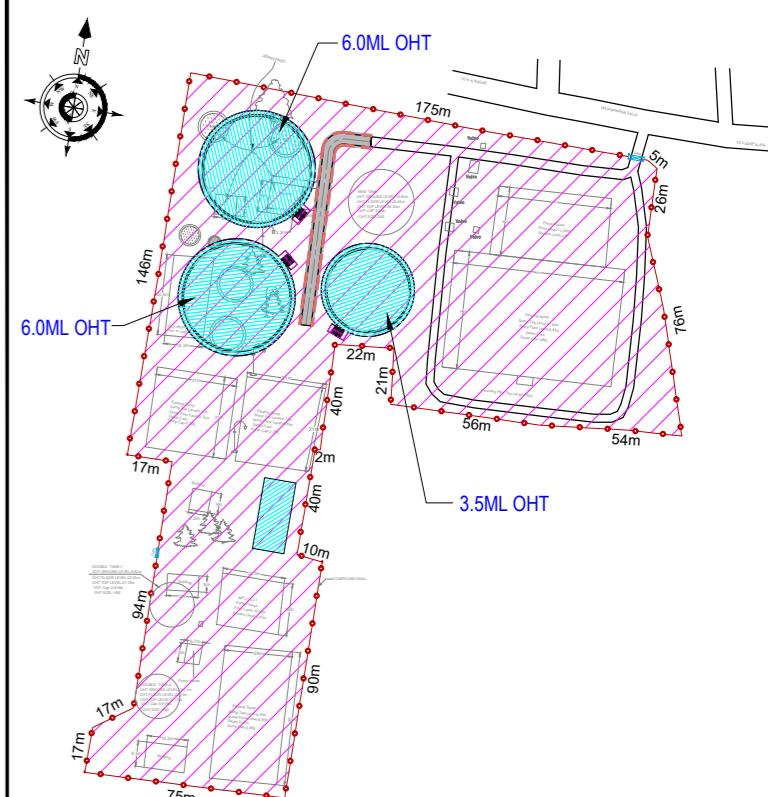
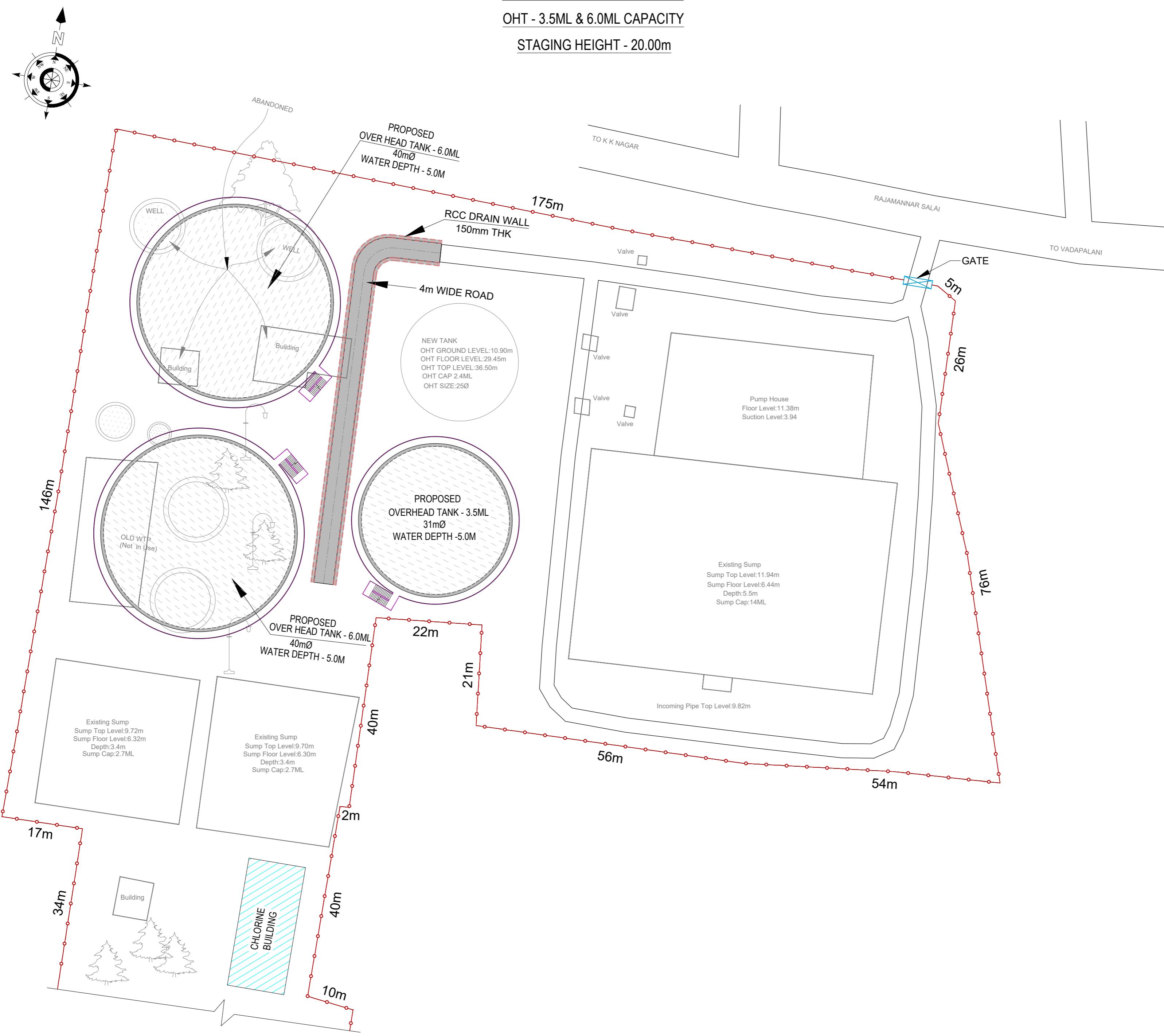
RESERVOIR ELEVATION
(SCALE 1:100)

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Client:		Project Management Consultant :			
		SMEC  TATA  NJS  SMEC Member of the Suresh Jairaj Group, SMEC International Pty Ltd, TATA Consulting Engineers Limited (TCE), NJS Engineers India Pvt Ltd (NJSEI), SMEC India Pvt Ltd.			
Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB)					
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Project Code:		Contract Package - CP4			
Status:		Draft - Detailed Design Report (DDR)			
Drawing Title:		GENERAL ARRANGEMENT OF OVERHEAD TANK 6.0ML-20m STAGING AT CHOOLAIMEDU - AREA X			
Drawn :	NGM	Checked :	NC		
Designed :	SJ	Approved :	PD/SSS		
Date :	16.12.2021	Scale :	A2 / 1:1		
Drawing Number:	7061563/PMC400MLD/CP4/CV/WDS02/003	Sh.No:	Rev:		
	3 OF 3	P0			

PROPOSED OHT AT KK NAGAR

OHT - 3.5ML & 6.0ML CAPACITY

STAGING HEIGHT - 20.00m



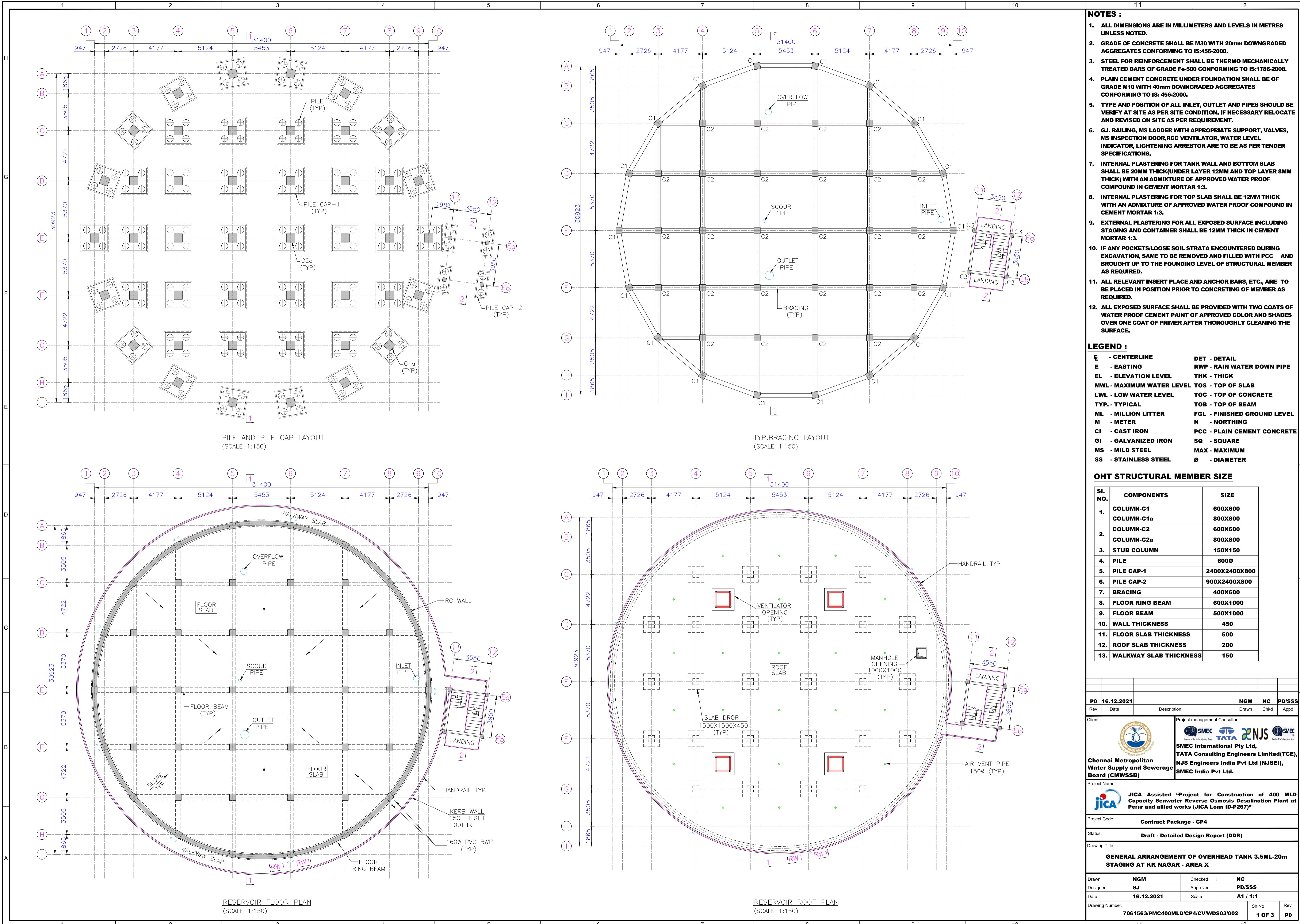
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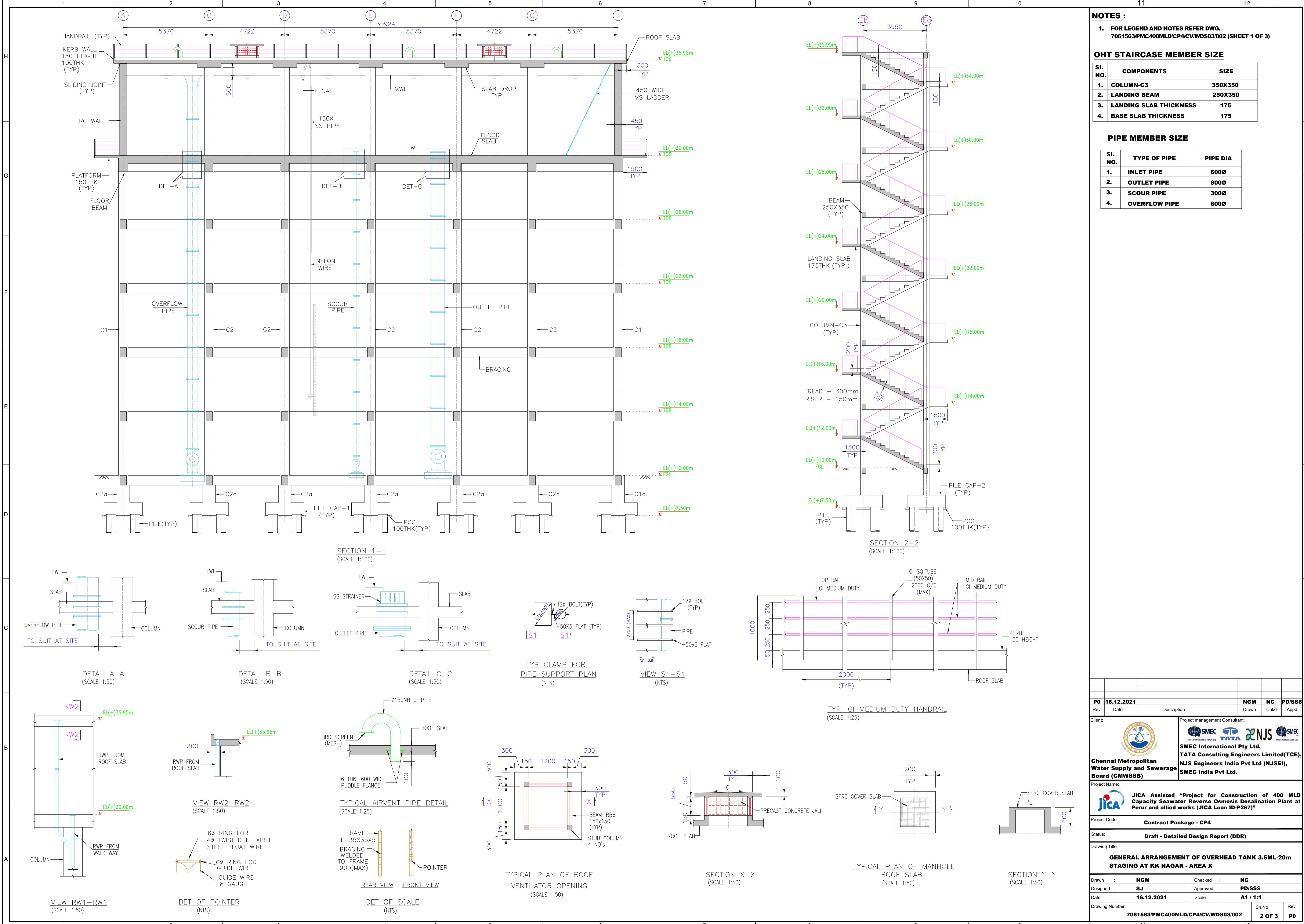
- EXISTING STRUCTURE
- 3.5ML & 6.0ML OVER HEAD TANK
- SITE BOUNDARY
- PROPOSED ROAD
- PROPOSED DRAIN

NOTES:

1. ALL DIMENSIONS ARE IN METER, UNLESS OTHERWISE SPECIFIED.
2. LAND AVAILABLE - 10556.00 Sqm
3. PROPOSED ROAD LENGTH = 85m.

PO	16.12.2021	NGM	NC	PD/SSS	
Rev	Date	Description	Drawn	Chkd	Appd
Client:	Project Management Consultant :     SMEC International Pty Ltd, TATA Consulting Engineers Limited (TCE), NJS Engineers India Pvt Ltd (NJSEI), SMEC India Pvt Ltd.				
Project Name:	jica JICA Assisted "Project for Construction of 400 MLD Capacity Seawater Reverse Osmosis Desalination Plant at Perur and allied works (JICA Loan ID-P267)"				
Project Code:	Contract Package - 4 (CP4)				
Status:	Draft - Detailed Design Report (DDR)				
Drawing Title:	PLOT PLAN OF 3.5ML & 6.0ML OVERHEAD TANK AT KK NAGAR - AREA X				
Drawn :	NGM	Checked :	NC		
Designed :	SJ	Approved :	PD/SSS		
Date :	16.12.2021	Scale :	A2 / 1:1		
Drawing Number:	7061563/PMC400MLD/CP4/CV/WDS030405/001	Sh.No:	1 OF 1	Rev:	PO

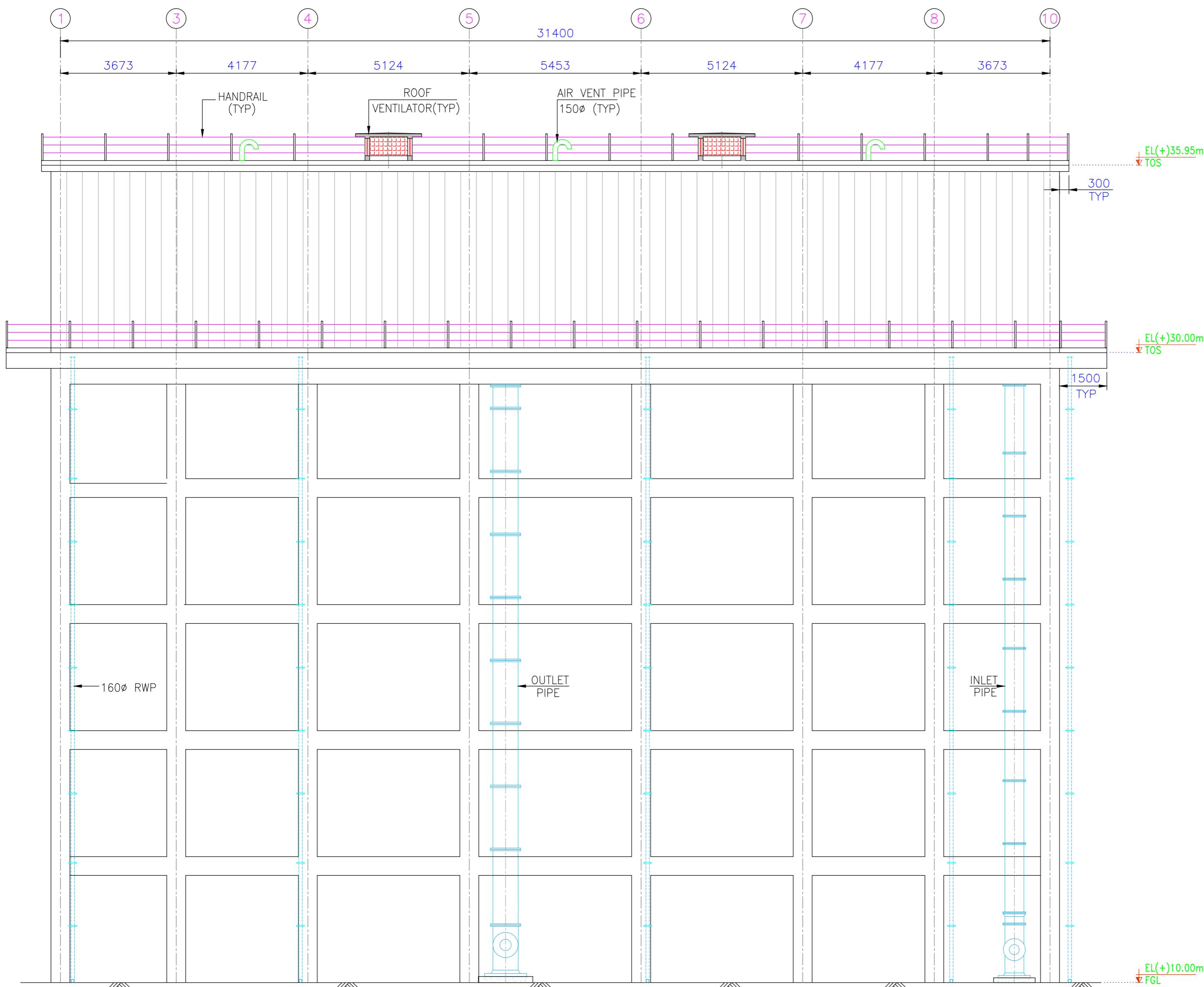




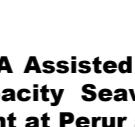
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Rev	Date	Description	Drawn	Chkd
Client:	JICA	Project management Consultant:	SMEC	TATA
Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB)	JICA	SMEC International Pty Ltd, TATA Consulting Engineers Limited(TCE), NJS Engineers India Pvt Ltd (NJSI), SMEC India Pvt Ltd.	SMEC	TATA
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Status:	Draft - Detailed Design Report (DDR)			
Drawing Title:	GENERAL ARRANGEMENT OF OVERHEAD TANK 3.5ML-20m STAGING AT KK NAGAR - AREA X			
Drawn :	NGM	Checked :	NC	P/D/SS
Designed :	SJ	Approved :	P/D/SS	
Date :	16.12.2021	Scale :	A1 / 1:1	
Drawing Number:	7061563/PM400MLD/CP4/CV/WDS03/002	Sh.No	2 OF 3	Rev PO

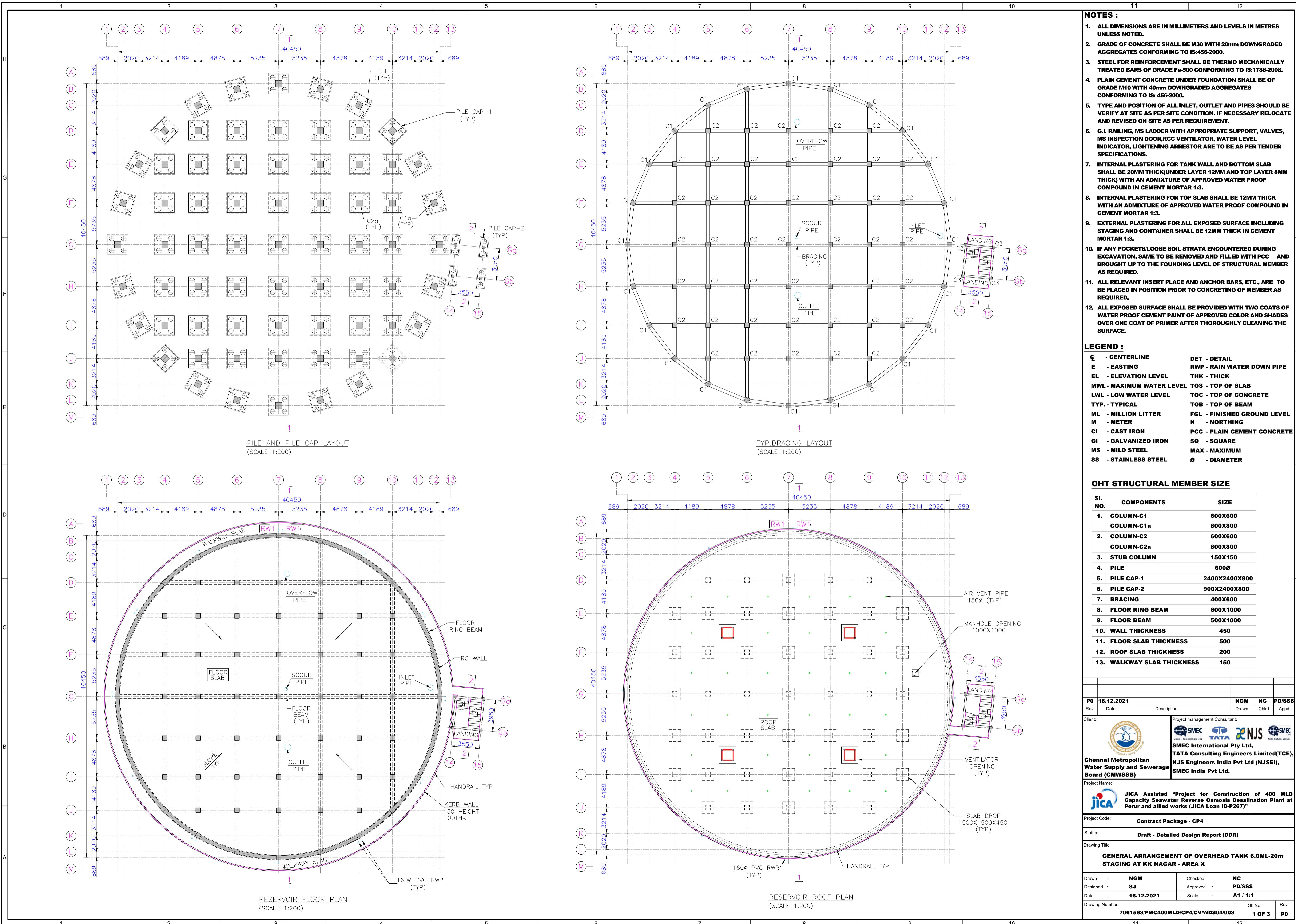
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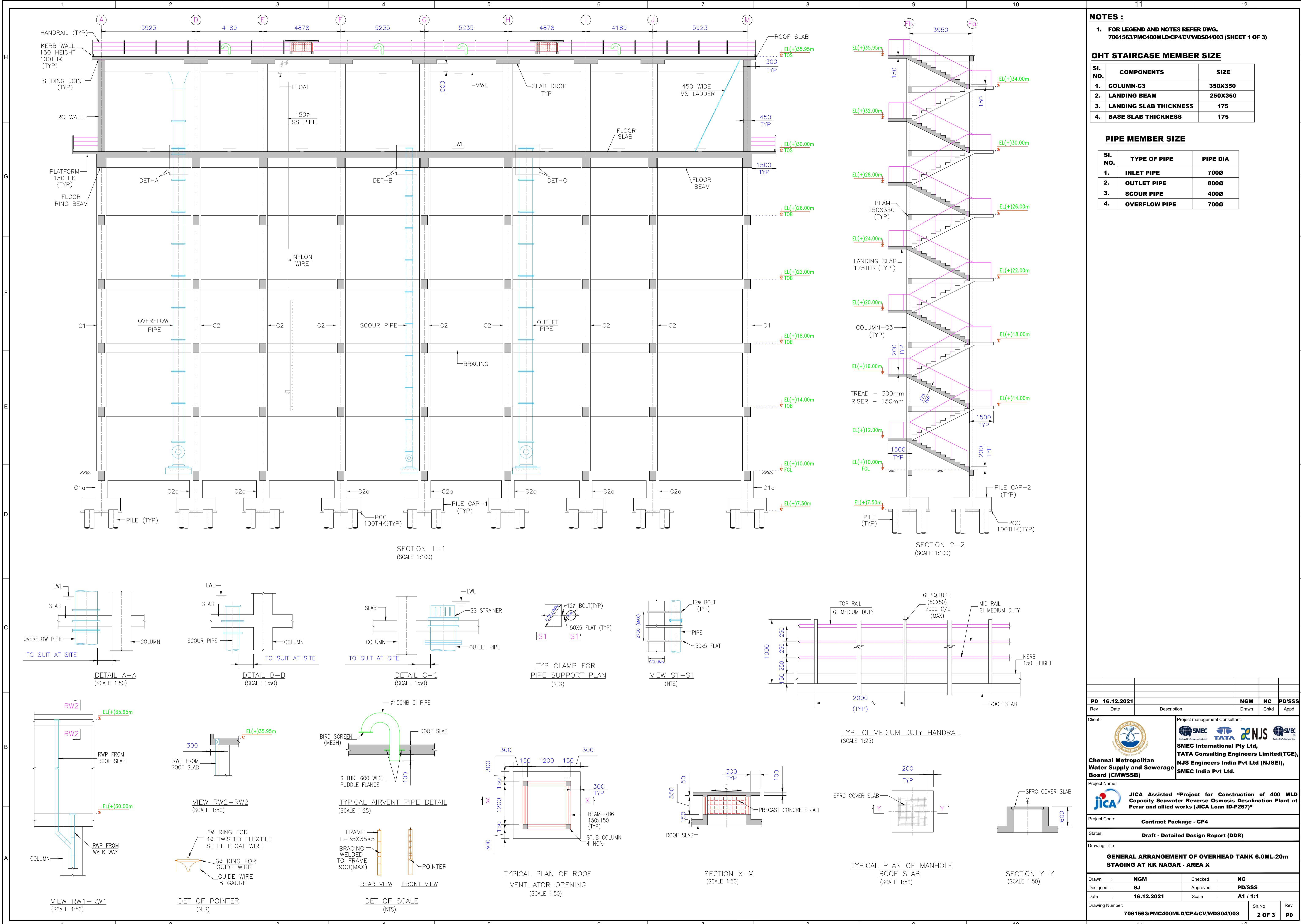
- FOR LEGEND AND NOTES REFER DWG.
7061563/PMC400MLD/CP4/CV/WDS03/002
(SHEET 1 OF 3) &(SHEET 2 OF 3)



RESERVOIR ELEVATION
(SCALE 1:100)

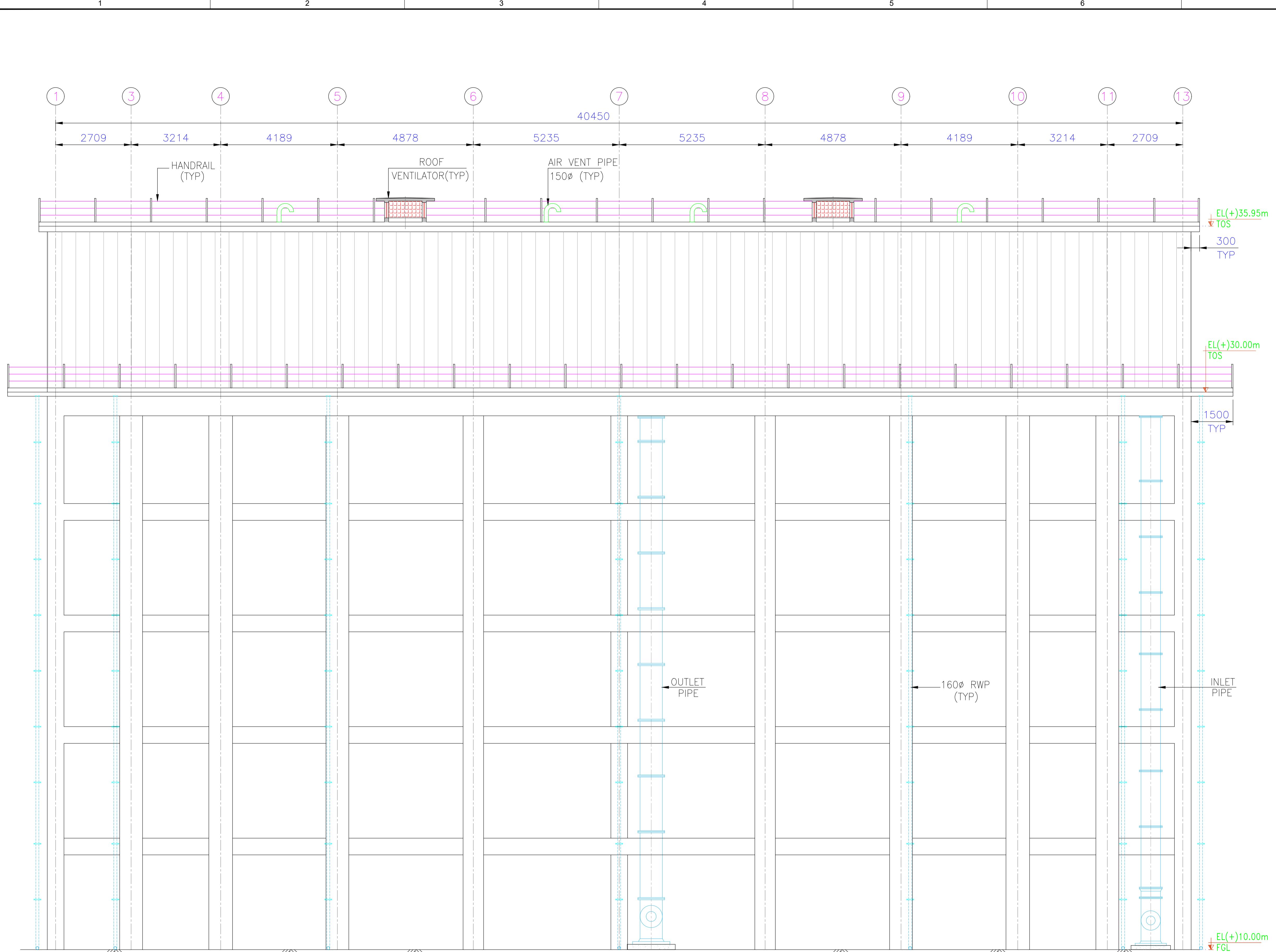
P0 16.12.2021		NGM	NC	PD/SSS
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Drawing Title:		GENERAL ARRANGEMENT OF OVERHEAD TANK 3.5ML-20m STAGING AT KK NAGAR - AREA X		
Drawn :	NGM	Checked :	NC	
Designed :	SJ	Approved :	PD/SSS	
Date :	16.12.2021	Scale :	A2 / 1:1	
Drawing Number:	7061563/PMC400MLD/CP4/CV/WDS03/002			Sh.No: Rev: 3 OF 3 P0





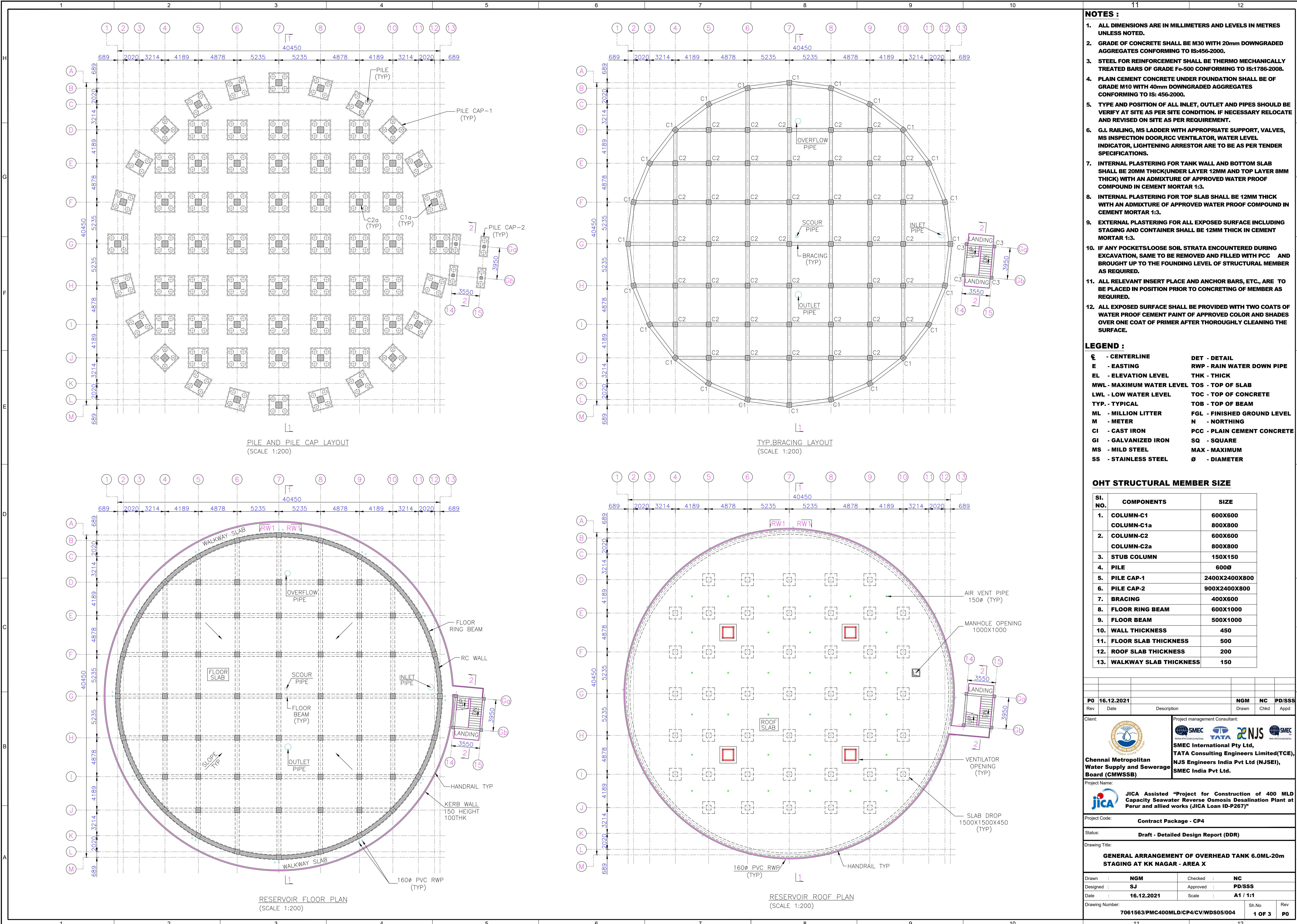
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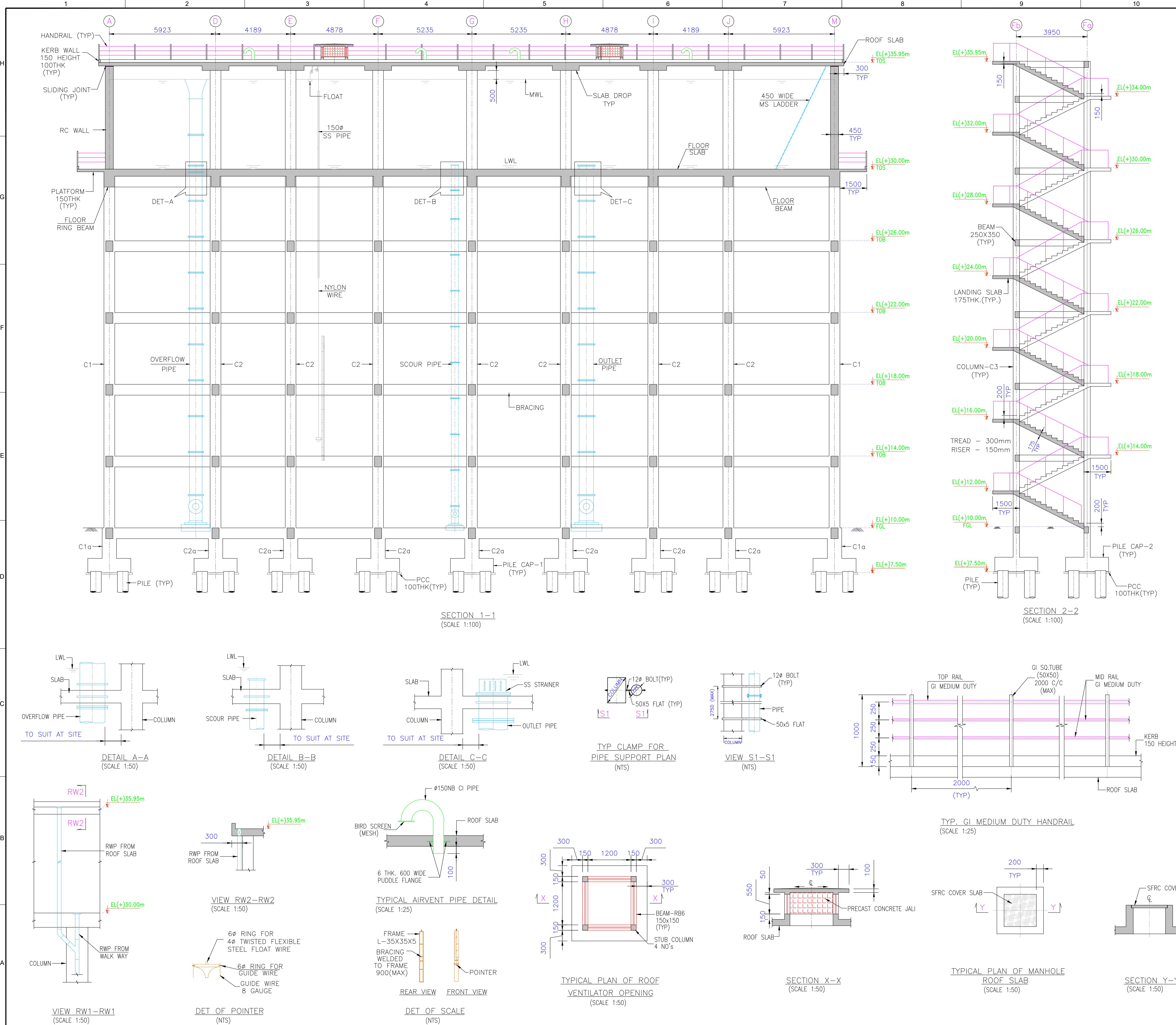
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7061563/PMC400MLD/CP4/CV/WDS04/003
(SHEET 1 OF 3) &(SHEET 2 OF 3)



RESERVOIR ELEVATION
(SCALE 1:100)

Rev	Date	Description	Drawn	Chkd	Appd
P0	16.12.2021		NGM	NC	PD/SSS
Client:		Project Management Consultant :			
		SMEC Member of the Suresh Jyoti Group			
		TATA			
		NJS Member of the Suresh Jyoti Group			
		SMEC International Pty Ltd, TATA Consulting Engineers Limited (TCE), NJS Engineers India Pvt Ltd (NJSEI), SMEC India Pvt Ltd.			
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Date :	16.12.2021	Scale :	A2 / 1:1		
Drawing Number:	7061563/PMC400MLD/CP4/CV/WDS04/003	Sh.No:	Rev:		
	3 OF 3		P0		





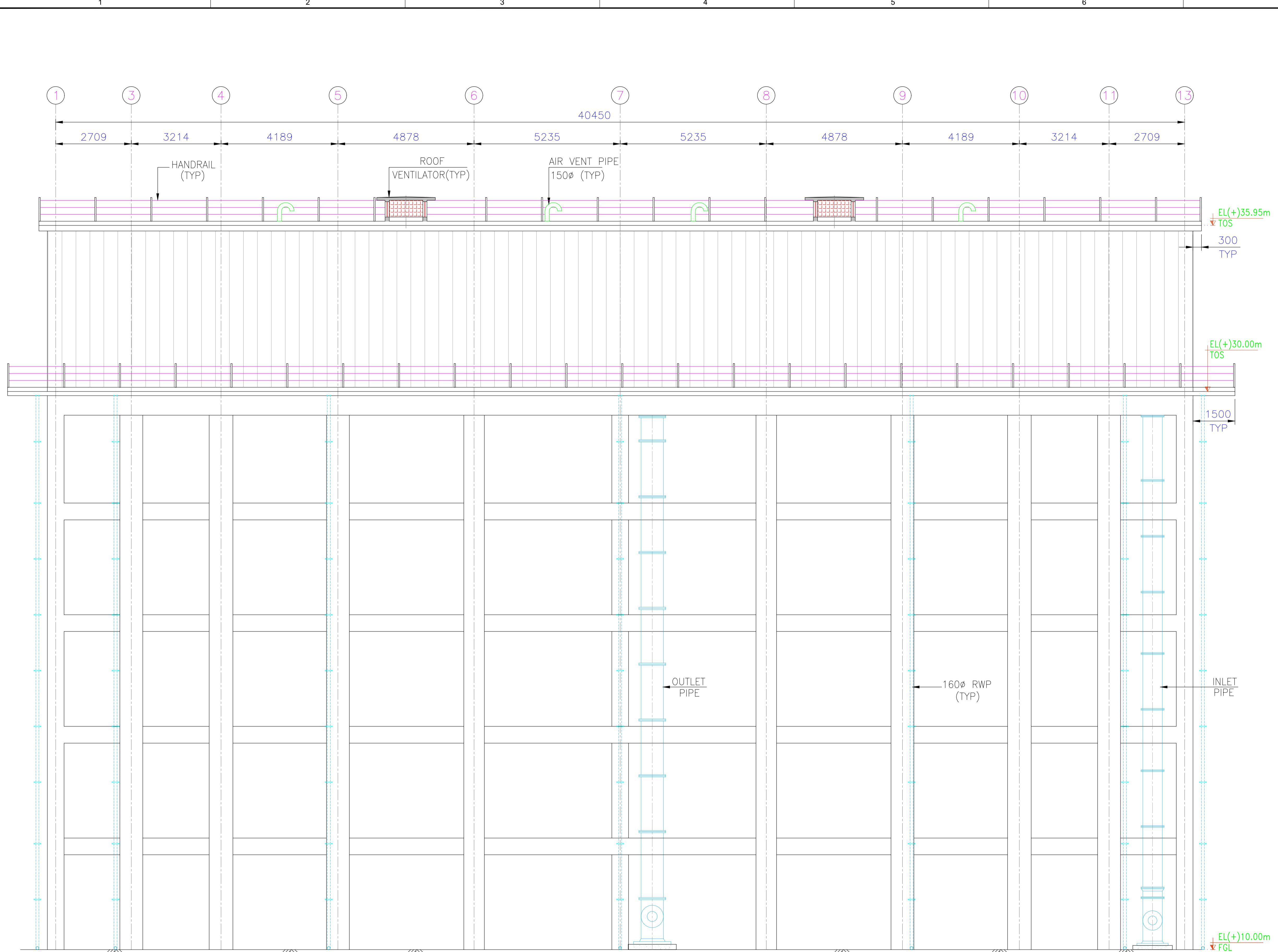
NOTES :		
1. FOR LEGEND AND NOTES REFER DWG. 7061563/PMC400MLD/CP4/CV/WDS05/004 (SHEET 1 OF 1)		
OHT STAIRCASE MEMBER SIZE		
SI. NO.	COMPONENTS	SIZE
1.	COLUMN-C3	350X350
2.	LANDING BEAM	250X350
3.	LANDING SLAB THICKNESS	175
4.	BASE SLAB THICKNESS	175

PIPE MEMBER SIZE

PO	16.12.2021		NGM	NC	PD/SSS
Rev	Date	Description	Drawn	Chkd	Appd
Client:	Project management Consultant:				
	 <small>Member of the Surbana Jurong Group</small> SMEC International Pty Ltd,  TATA Consulting Engineers Limited(TCE),  NJS Engineers India Pvt Ltd (NJSEI),  <small>Member of the Surbana Jurong Group</small> SMEC India Pvt Ltd.				
Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB)	B				
Project Name:	 JICA Assisted “Project for Construction of 400 MLD Capacity Seawater Reverse Osmosis Desalination Plant at Perur and allied works (JICA Loan ID-P267)”				
Project Code:	Contract Package - CP4				
Status:	Draft - Detailed Design Report (DDR)				
Drawing Title:	GENERAL ARRANGEMENT OF OVERHEAD TANK 6.0ML-20m STAGING AT KK NAGAR - AREA X				
Drawn :	NGM	Checked :	NC		
Designed :	SJ	Approved :	PD/SSS		
Date :	16.12.2021	Scale :	A1 / 1:1		
Drawing Number:	7061563/PMC400MLD/CP4/CV/WDS05/004			Sh.No	Rev
				2 OF 3	P0

NOTES :

- FOR LEGEND AND NOTES REFER DWG.
7061563/PMC400MLD/CP4/CV/WDS05/004
(SHEET 1 OF 3) &(SHEET 2 OF 3)



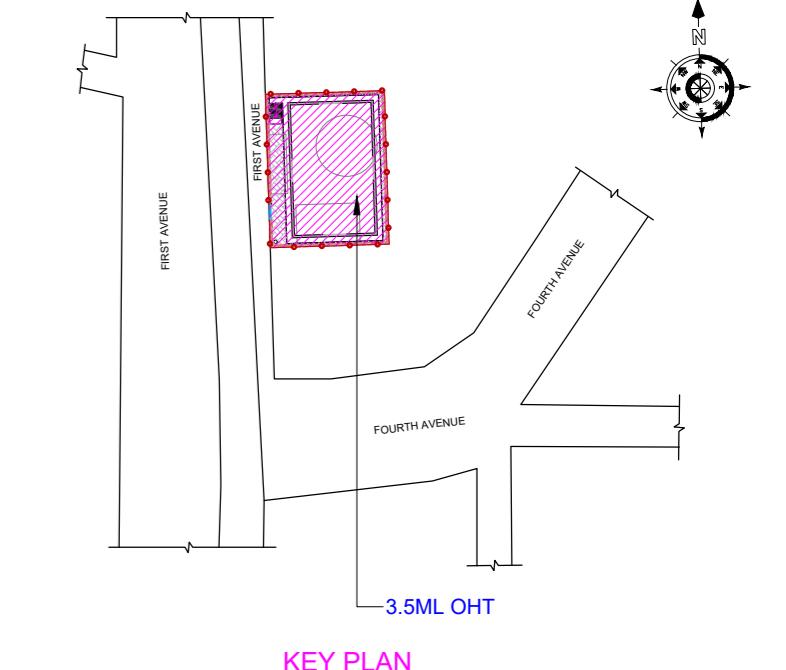
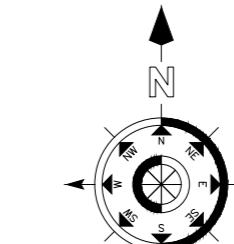
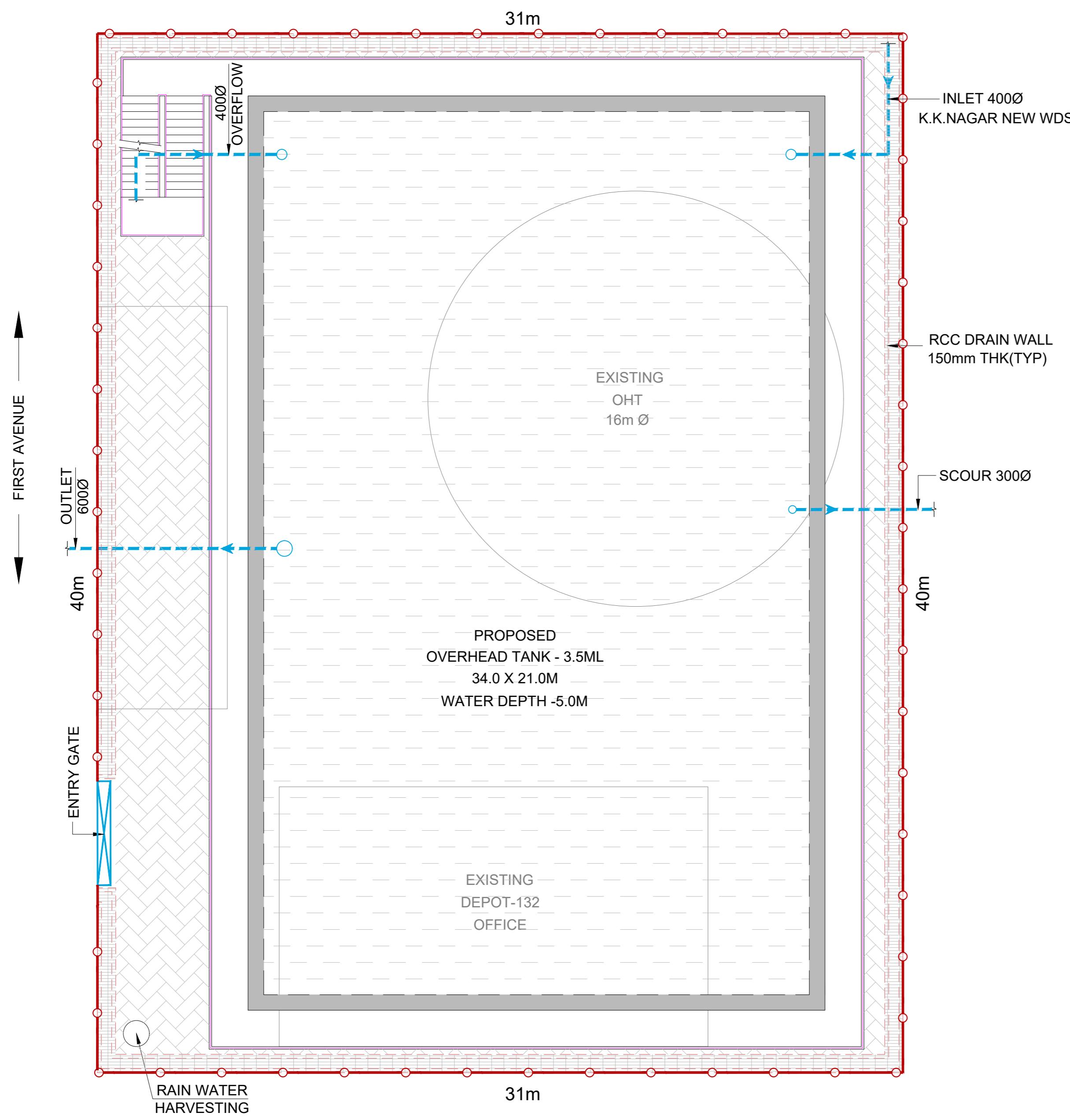
RESERVOIR ELEVATION
(SCALE 1:100)

PO	16.12.2021	NGM	NC	PD/SSS
Rev	Date	Description		
Client:		Project Management Consultant :		
		 SMEC Member of the Suresh Jairaj Group	 TATA	 NJS Member of the Suresh Jairaj Group
		SMEC International Pty Ltd,	TATA Consulting Engineers Limited (TCE),	NJS Engineers India Pvt Ltd (NJSEI),
		Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB)	SMEC India Pvt Ltd.	
Project Name:		JICA Assisted "Project for Construction of 400 MLD Capacity Seawater Reverse Osmosis Desalination Plant at Perur and allied works (JICA Loan ID-P267)"		
Project Code:		Contract Package - CP4		
Status:		Draft - Detailed Design Report (DDR)		
Drawing Title:		GENERAL ARRANGEMENT OF OVERHEAD TANK 6.0ML-20m STAGING AT KK NAGAR - AREA X		
Drawn :	NGM	Checked :	NC	
Designed :	SJ	Approved :	PD/SSS	
Date :	16.12.2021	Scale :	A2 / 1:1	
Drawing Number:	7061563/PMC400MLD/CP4/CV/WDS05/004			Sh.No: Rev: 3 OF 3 PO

PROPOSED OHT AT ASHOK NAGAR

OHT - 3.5ML CAPACITY

STAGING HEIGHT - 17.00m



NOTES:

LOCATION : AREA-X
DIVISION : 132
ADDRESS : NO.12B,FIRST AVENUE ASHOK NAGAR,CHENNAI-83
LAND IN POSSESSION,CMWSSB,AREA-X

LEGEND:

	- EXISTING STRUCTURE
	- 3.5ML OVER HEAD TANK
	- SITE BOUNDARY
	- PROPOSED DRAIN
	- PATHWAY
	- PIPE CENTER LINE

NOTES:

1. ALL DIMENSIONS ARE IN METER, UNLESS OTHERWISE SPECIFIED.
2. LAND AVAILABLE - 1240.00 Sqm
3. LAND REQUIRED - 1240.00 Sqm

Rev	Date	Description	Drawn	Chkd	Appd
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Client: 	Project Management Consultant: SMEC International Pty Ltd, TATA Consulting Engineers Limited (TCE), NJS Engineers India Pvt Ltd (NJSEI), SMEC India Pvt Ltd.
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Project Name: 	JICA Assisted "Project for Construction of 400 MLD Capacity Seawater Reverse Osmosis Desalination Plant at Perur and allied works (JICA Loan ID-P267)"
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Project Code: 	Contract Package - 4 (CP4)
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Status: 	Draft - Detailed Design Report (DDR)
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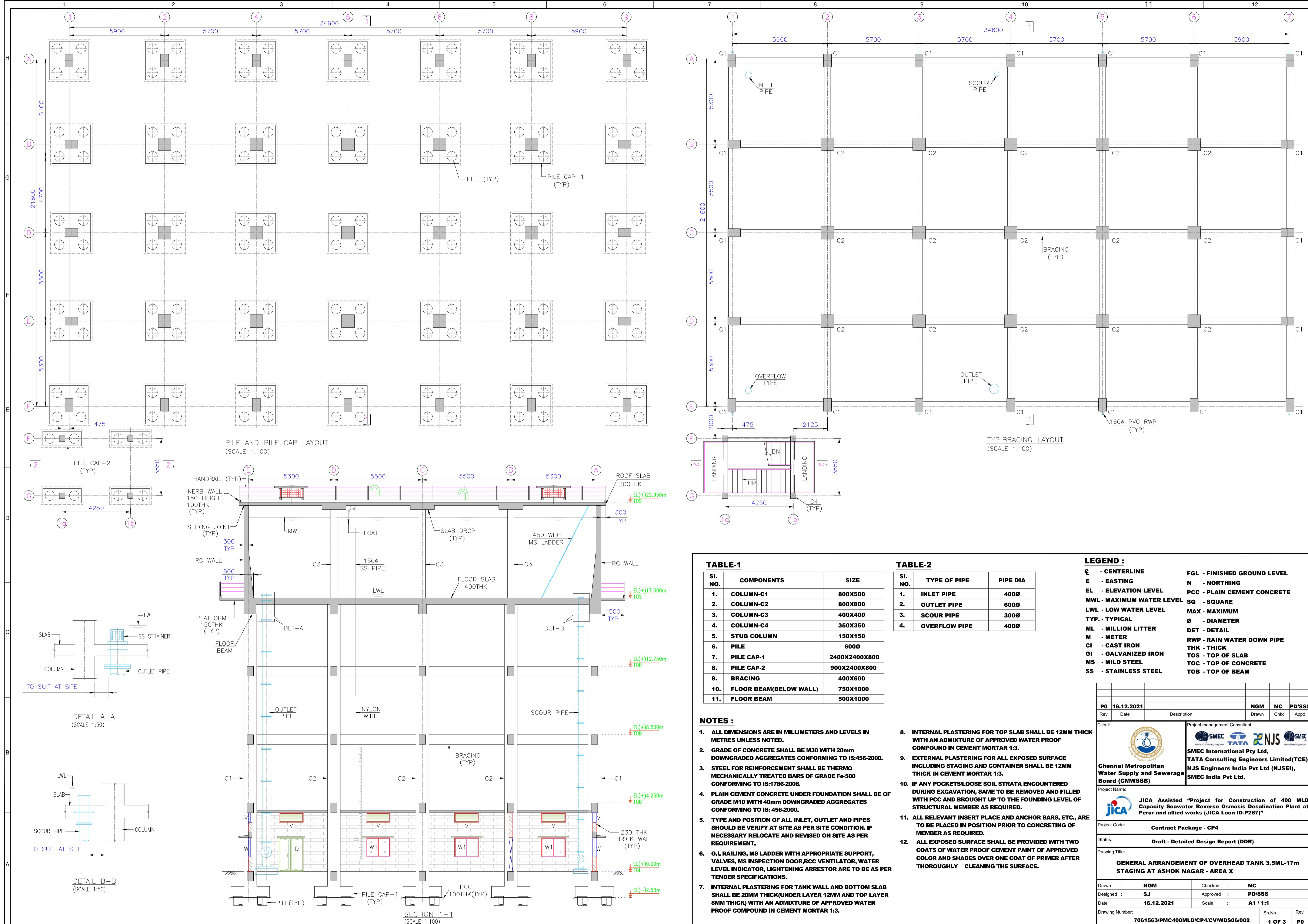
Drawing Title: 	PLOT PLAN OF 3.5ML OVERHEAD TANK AT ASHOK NAGAR - AREA X
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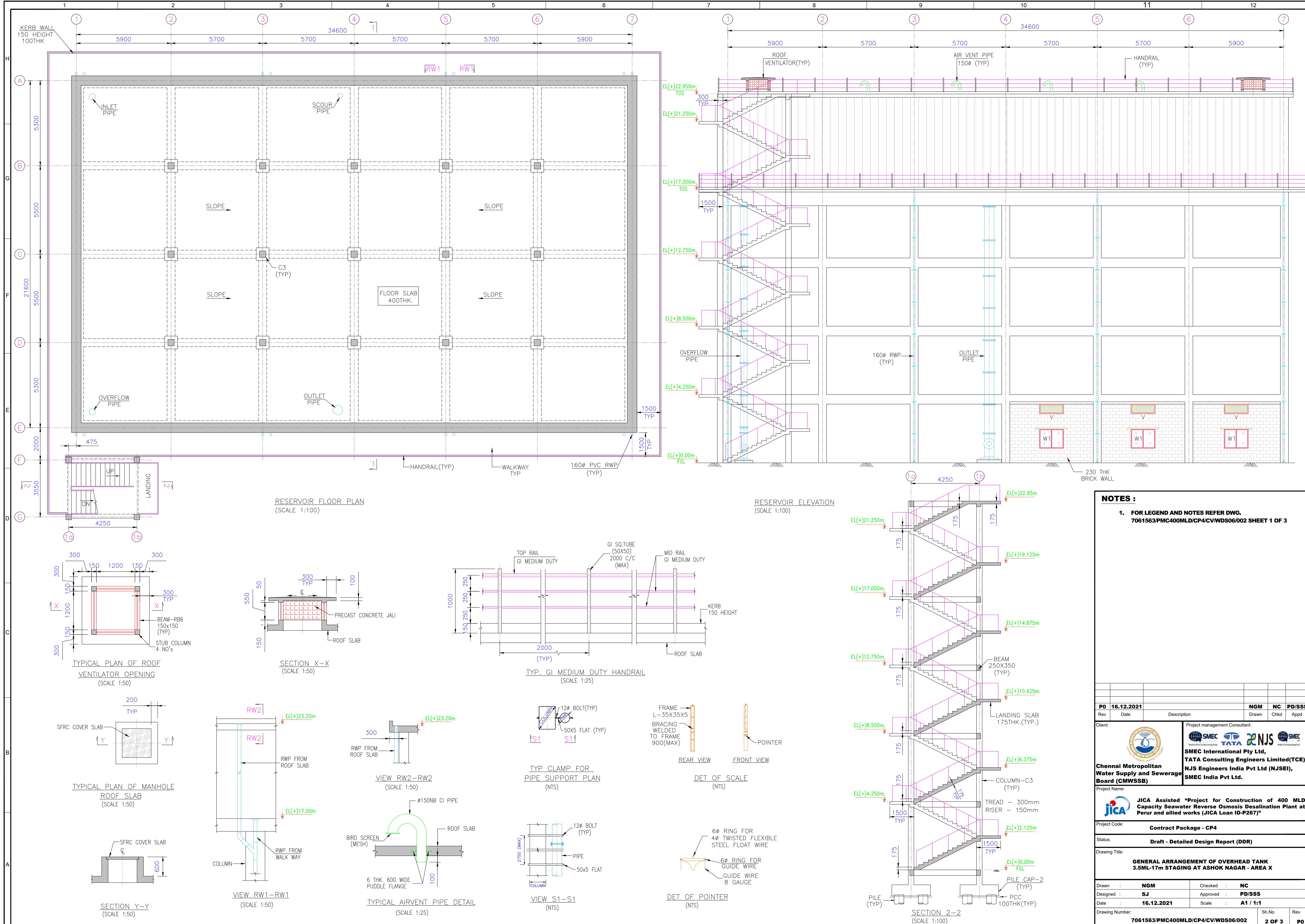
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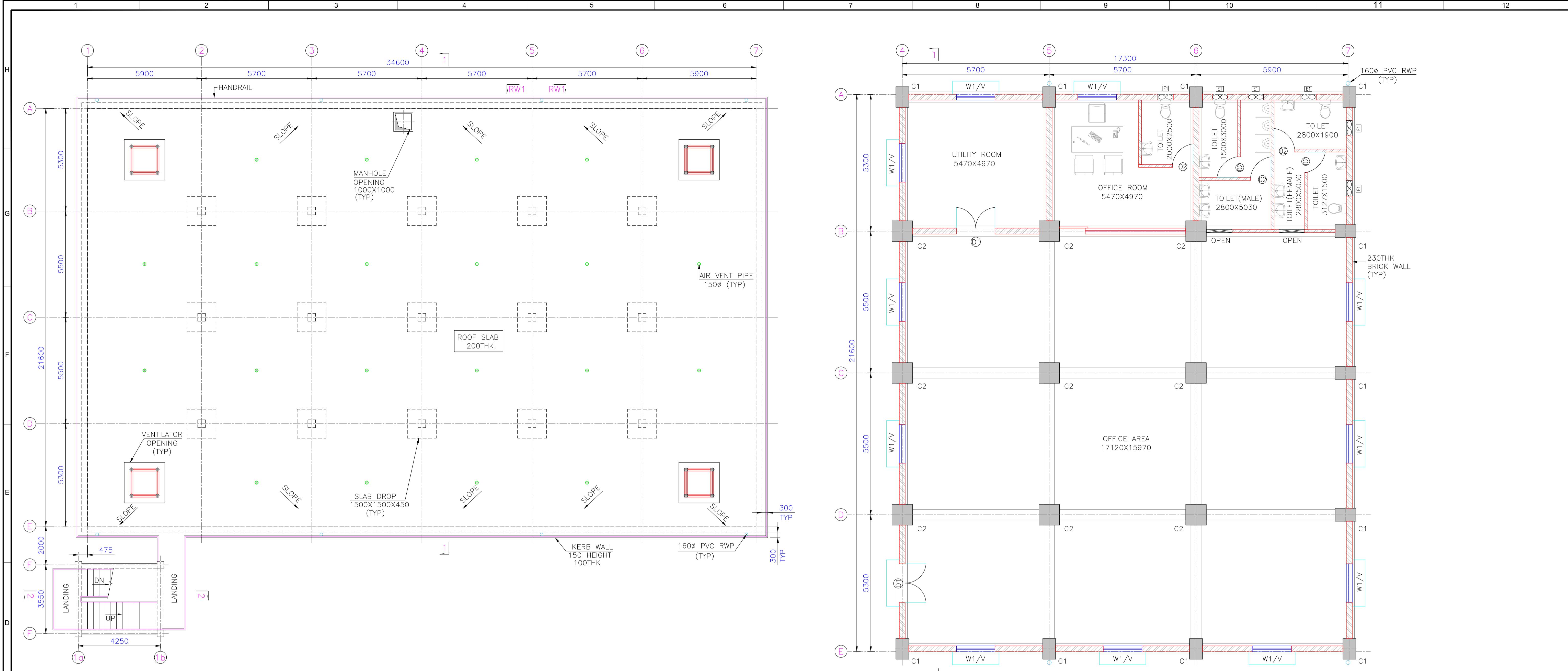
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Date : 16.12.2021	Scale : A2 / 1:1
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Drawing Number: 7061563/PMC400MLD/CP4/CV/WDS06/001	Sh.No: Rev: 1 OF 1 PO
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RESERVOIR ROOF PLAN
(SCALE 1:100)

OFFICE ROOM PLAN
(SCALE 1:75)

NOTES :

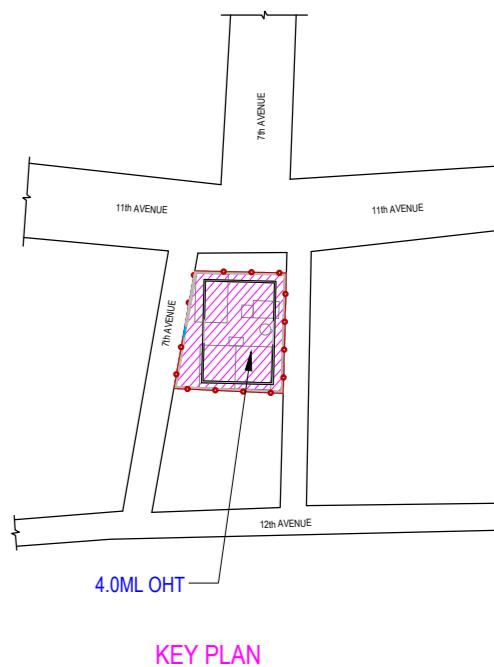
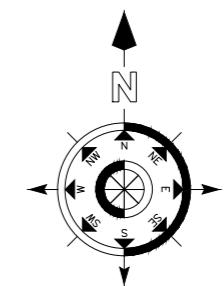
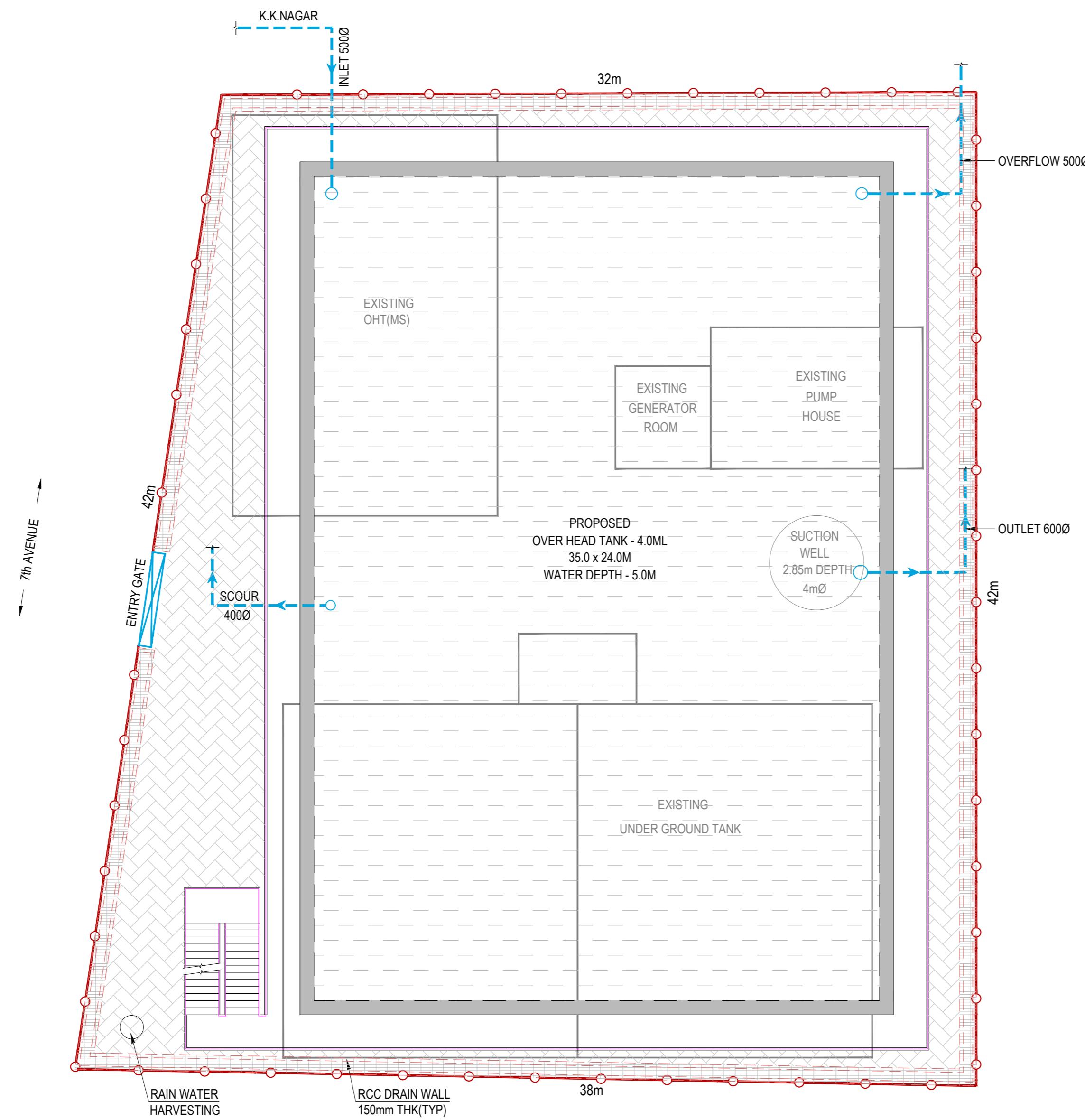
- FOR LEGEND AND NOTES REFER DWG.
7061563/PMC400MLD/CP4/CV/WDS06/002 SHEET 1 OF 3

P0	16.12.2021	NGM	NC	PD/SSS
Rev	Date	Description	Drawn	Chkd
Client:	Project management Consultant:  SMEC International Pty Ltd, TATA Consulting Engineers Limited(TCE), NJS Engineers India Pvt Ltd (NJSEI), SMEC India Pvt Ltd.			
Project Name:	 Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB)			
Project Code:	JICA Assisted "Project for Construction of 400 MLD Capacity Seawater Reverse Osmosis Desalination Plant at Perur and allied works (JICA Loan ID-P267)"			
Project Code:	Contract Package - CP4			
Status:	Draft - Detailed Design Report (DDR)			
Drawing Title:	GENERAL ARRANGEMENT OF OVERHEAD TANK 3.5ML-17m STAGING AT ASHOK NAGAR - AREA X			
Drawn :	NGM	Checked :	NC	
Designed :	SJ	Approved :	PD/SSS	
Date :	16.12.2021	Scale :	A1 / 1:1	
Drawing Number:	7061563/PMC400MLD/CP4/CV/WDS06/002	Sh.No	Rev	3 OF 3 P0

PROPOSED OHT AT WEST MAMBALAM HEAD WORKS

OHT - 4.0ML CAPACITY

STAGING HEIGHT - 17.00m



NOTES:

LOCATION : AREA-X
DIVISION : 139 ASHOK NAGAR
ADDRESS WITH LOCATION : 11TH AVENUE,ASHOK NAGAR

LEGEND:

- EXISTING STRUCTURE
- 4.0ML OVER HEAD TANK
- SITE BOUNDARY
- PROPOSED DRAIN
- PATHWAY
- PIPE CENTER LINE

NOTES:

1. ALL DIMENSIONS ARE IN METER, UNLESS OTHERWISE SPECIFIED.
2. LAND AVAILABLE - 1386 SQ.m
3. LAND REQUIRED - 1386 SQ.m

PO	16.12.2021	NGM	NC	PD/SSS	
Rev	Date	Description	Drawn	Chkd	Appd

Client: Project Management Consultant :
Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB) **SMEC International Pty Ltd,** **TATA Consulting Engineers Limited (TCE),** **NJS Engineers India Pvt Ltd (NJSEI),** **SMEC India Pvt Ltd.**

Project Name: **JICA Assisted "Project for Construction of 400 MLD Capacity Seawater Reverse Osmosis Desalination Plant at Perur and allied works (JICA Loan ID-P267)"**

Project Code: **Contract Package - 4 (CP4)**

Status: **Draft - Detailed Design Report (DDR)**

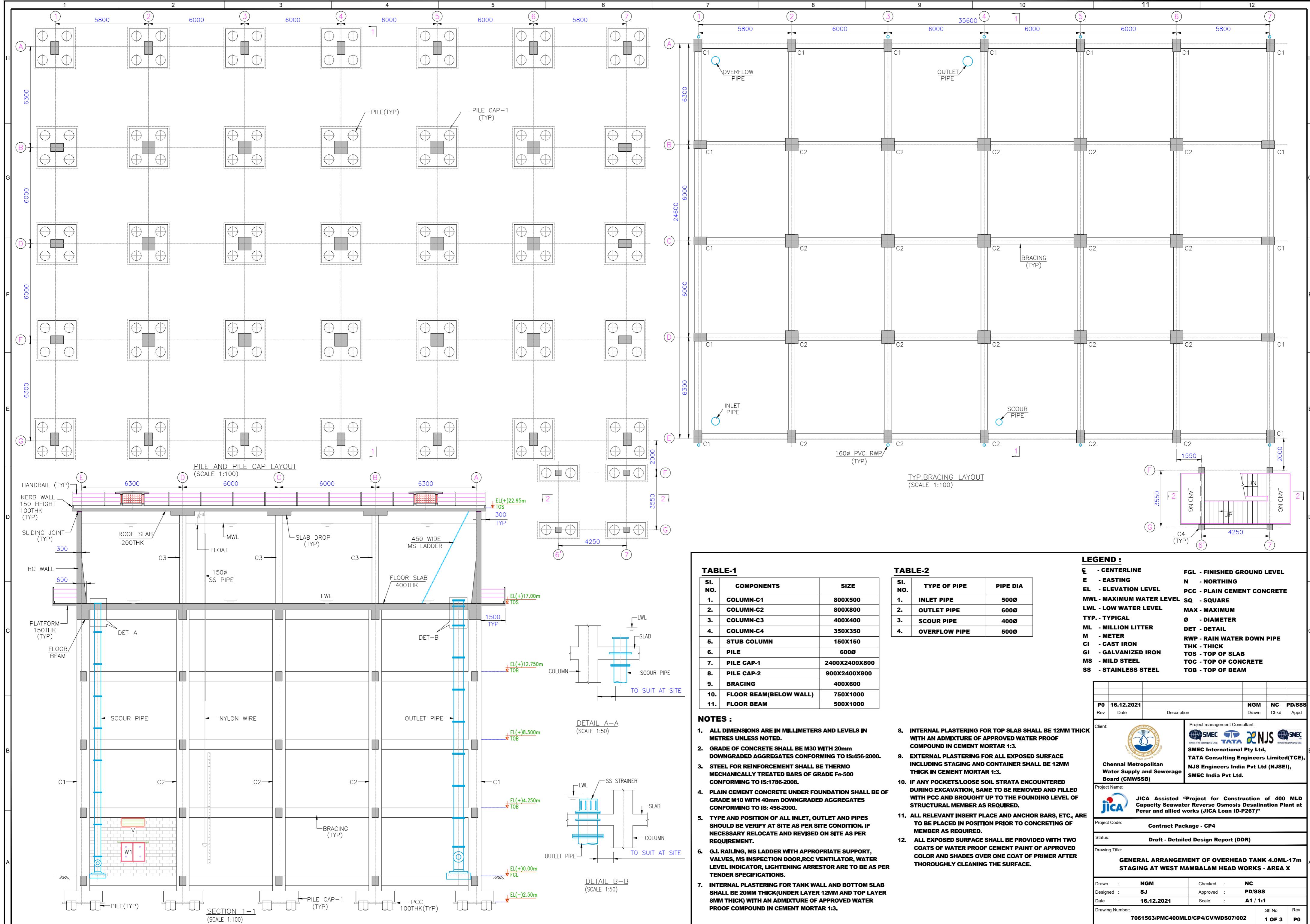
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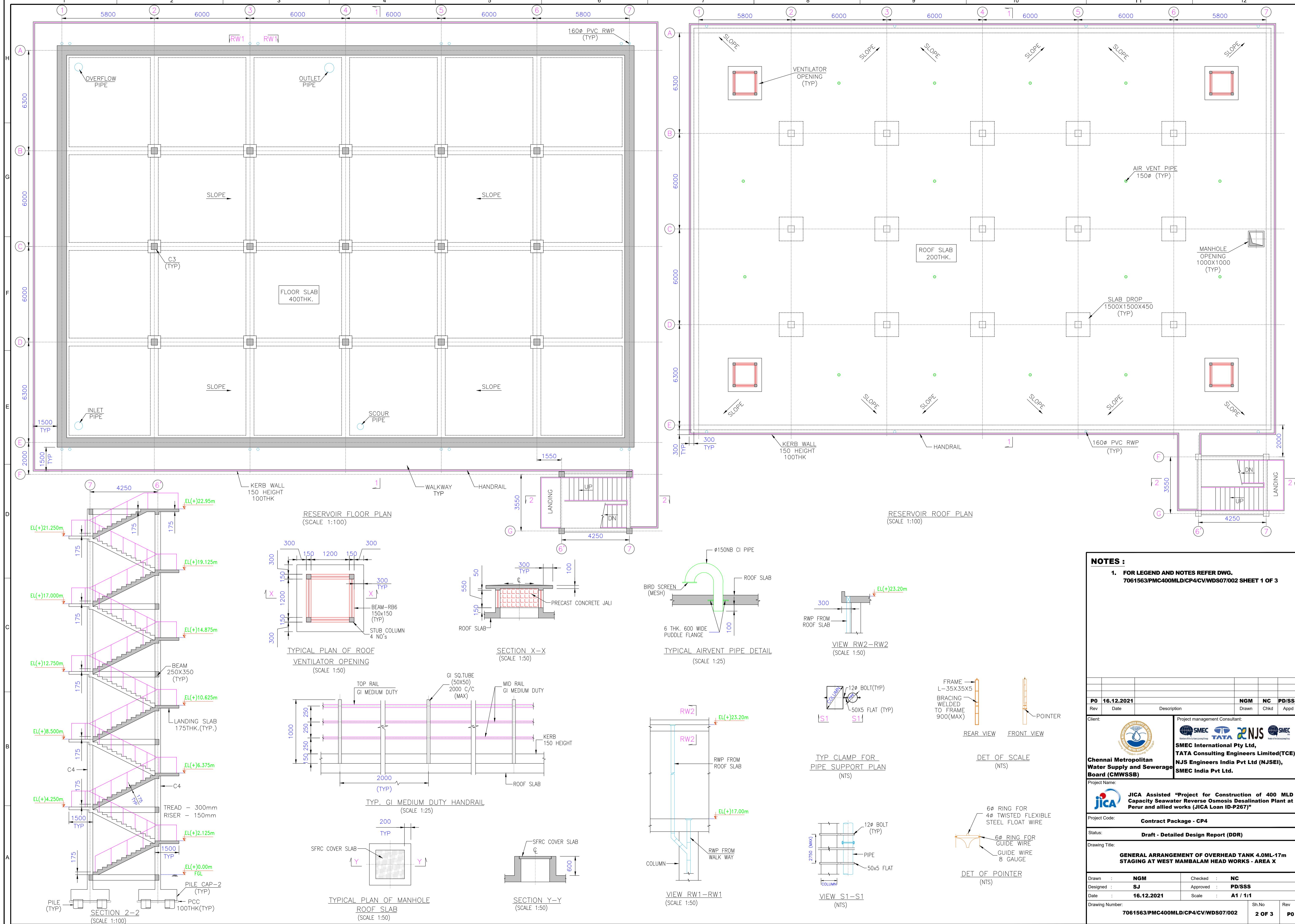
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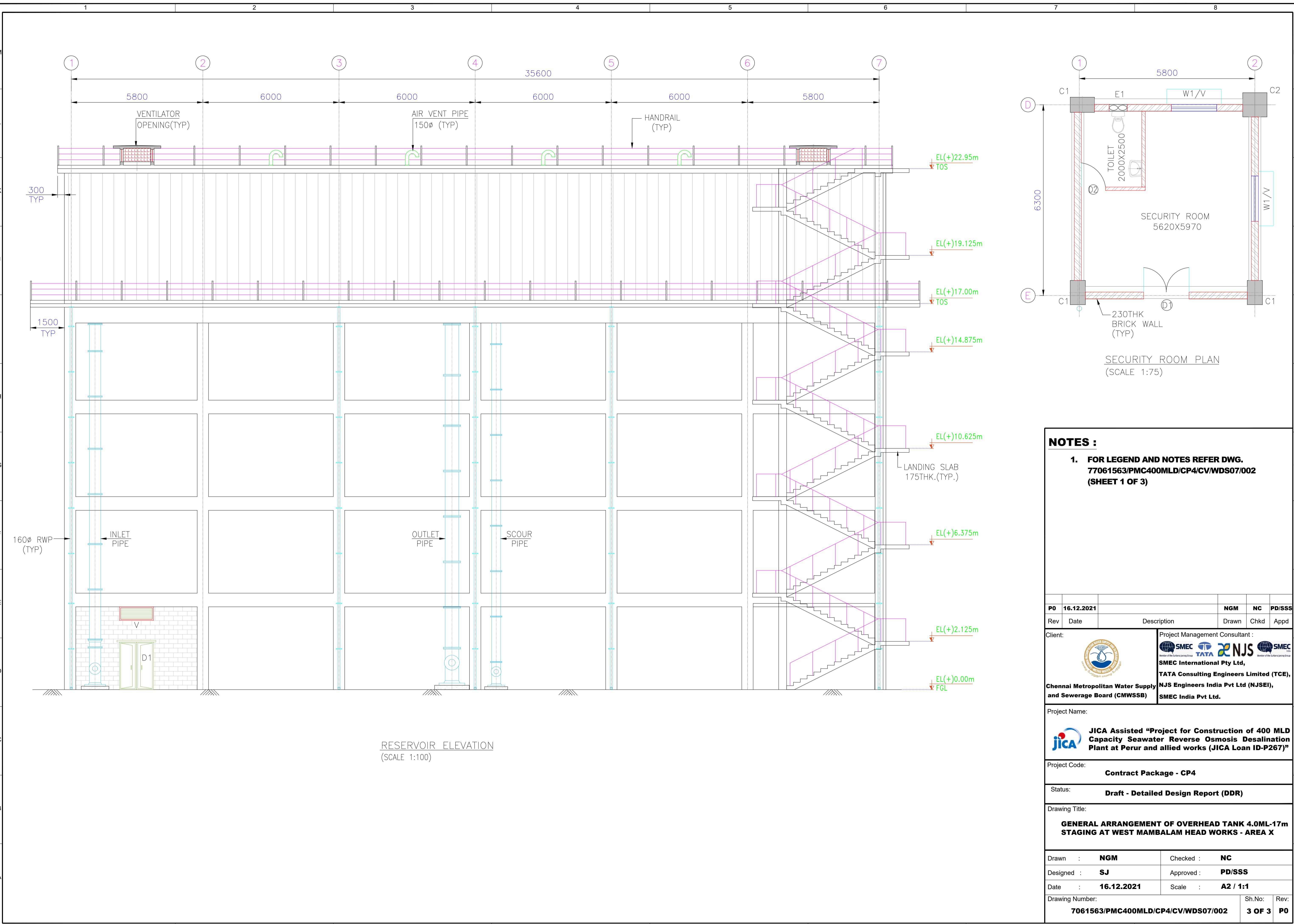
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Date :	16.12.2021	Scale :	A2 / 1:1
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Drawing Number:	7061563/PMC400MLD/CP4/CV/WDS07/001	Sh.No:	Rev:
		1 OF 1	PO





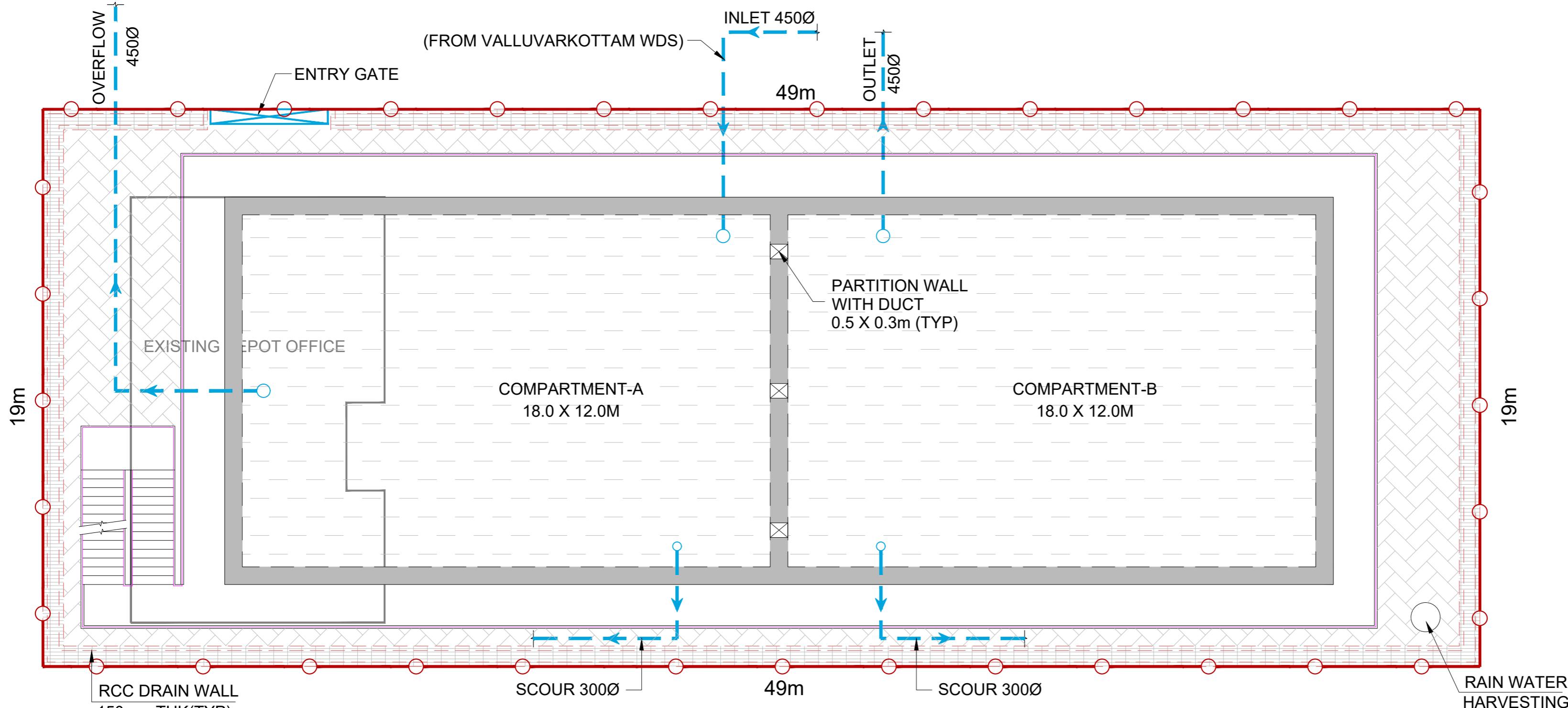


PROPOSED OHT AT UNITED COLONY

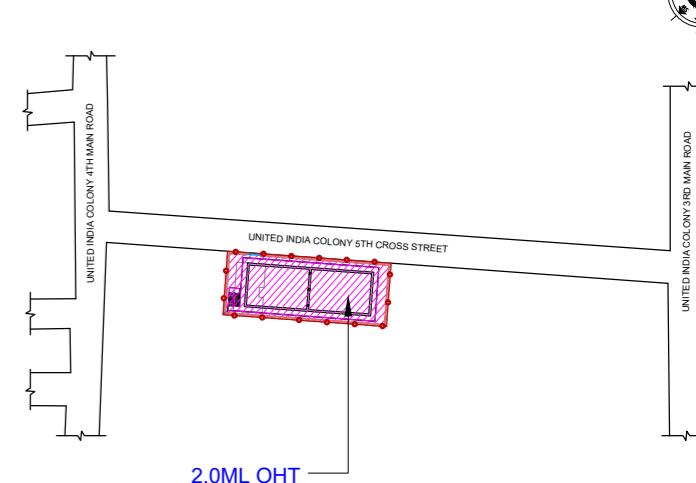
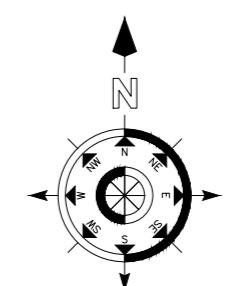
OHT - 2.0ML CAPACITY

STAGING HEIGHT - 17.00m

UNITED INDIA COLONY 5TH CROSS STREET



PROPOSED
 RECTANGULAR OVERHEAD TANK - 2.0ML
 EACH COMPARTMENT - 1.0ML
 WATER DEPTH - 5.0M



NOTES:

- LOCATION : AREA-X
- DIVISION : 134(OLD DEPOT 124)
- ADDRESS : OLD NO.7/NEW NO19, UNITED INDIA COLONY
- 5TH CROSS STREET KODAMBakkAM, CHENNAI-24
- DIVISION : 134(OLD DEPOT 124)

LEGEND:

- EXISTING STRUCTURE
- 2.0ML OVER HEAD TANK
- SITE BOUNDARY
- PROPOSED DRAIN
- PATHWAY
- PIPE CENTER LINE

NOTES:

- ALL DIMENSIONS ARE IN METER, UNLESS OTHERWISE SPECIFIED.
- LAND AVAILABLE - 931.00 Sqm
- LAND REQUIRED - 931.00 Sqm

Rev	Date	Description	Drawn	Chkd	Appd
P0	16.12.2021		NGM	NC	PD/SSS

Client:	Project Management Consultant : SMEC TATA NJS SMEC SMEC International Pty Ltd, TATA Consulting Engineers Limited (TCE), NJS Engineers India Pvt Ltd (NJSEI), SMEC India Pvt Ltd.
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Project Name: **JICA Assisted "Project for Construction of 400 MLD Capacity Seawater Reverse Osmosis Desalination Plant at Perur and allied works (JICA Loan ID-P267)"**

Project Code: **Contract Package - 4 (CP4)**

Status: **Draft - Detailed Design Report (DDR)**

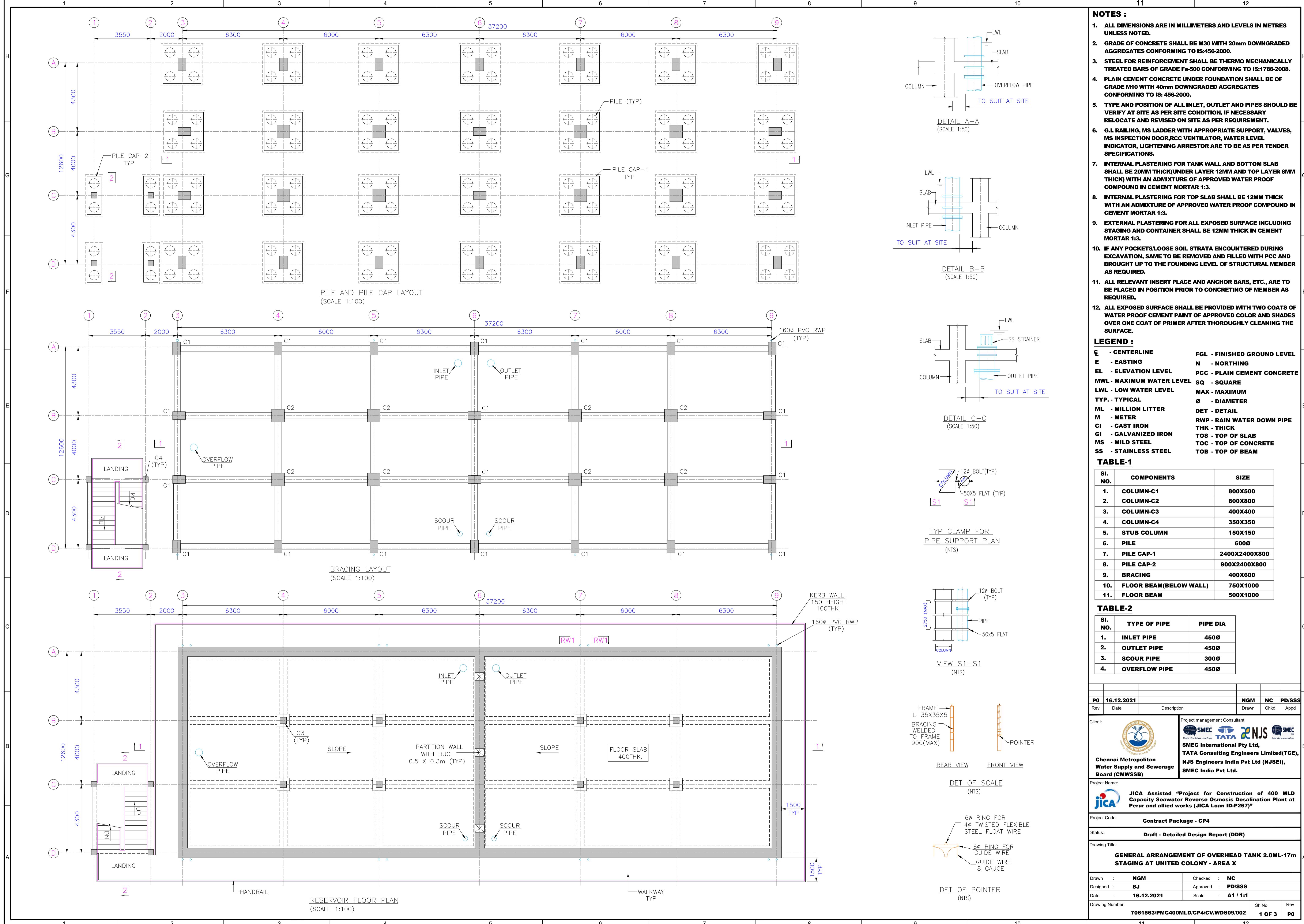
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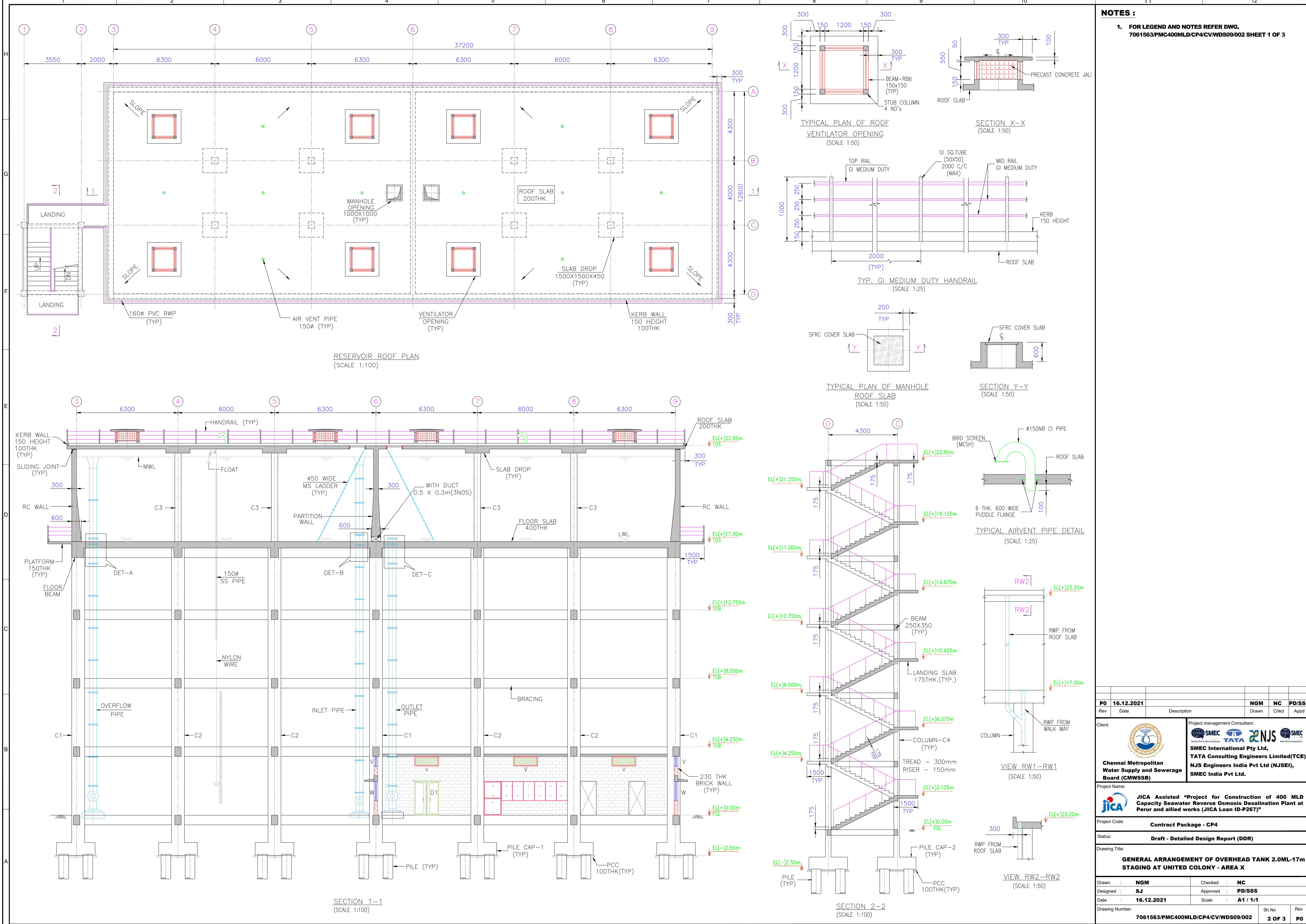
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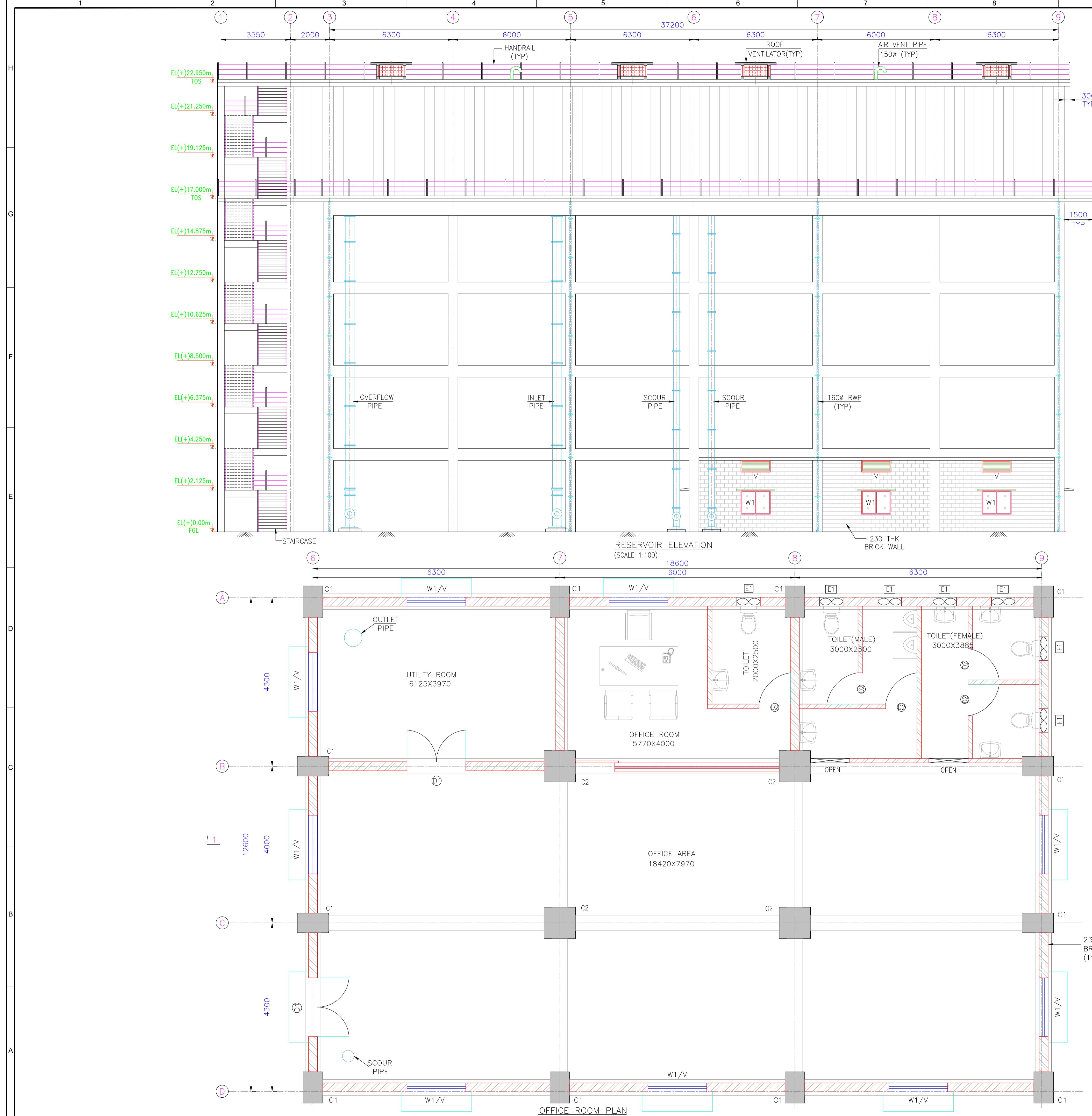
Designed :	SJ	Approved :	PD/SSS
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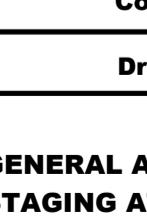
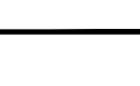
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Drawing Number:	7061563/PMC400MLD/CP4/CV/WDS09/001	Sh.No:	Rev:
		1 OF 1	P0







NOTES :					
<p>1. FOR LEGEND AND NOTES REFER DWG.</p> <p>7061563/PMC400MLD/CP4/CV/WDS09/002 SHEET 1 OF 3</p>					
Project Name:					
Project Code:					
PO	16.12.2021			NGM	NC
Rev	Date	Description	Drawn	Chkd	App
Client:		Project management Consultant:			
 Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB)		 SMEC International Pty Ltd,  TATA Consulting Engineers Limited(TCE)  NJS Engineers India Pvt Ltd (NJSEI),  SMEC India Pvt Ltd.			
Drawing Title:		GENERAL ARRANGEMENT OF OVERHEAD TANK 2.0ML-17 STAGING AT UNITED COLONY - AREA X			
Drawn :	NGM	Checked :	NC		
Designed :	SJ	Approved :	PD/SSS		
Date :	16.12.2021	Scale :	A1 / 1:1		
Drawing Number:			Sh.No	Re	
7061563/PMC400MLD/CP4/CV/WDS09/002				3 OF 3	