
	TOWER-A	6 METER DIA.
	TOWER-B	3 METER DIA.

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- ALL DIMENSIONS ARE INDICATED IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
 - DIMENSIONS TO BE READ AND NOT MEASURED.
 - ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE NOTICE OF THE ARCHITECTS / ENGINEERS.
 - ALL DRAWINGS TO BE READ IN CONJUNCTION WITH RELEVANT STRUCTURAL, ARCHITECTURAL AND SERVICES DRAWINGS.
 - THE DRAWING CANNOT BE FULLY AND CORRECTLY INTERPRETED WITHOUT REFERENCE TO SYMBOLS, SCHEDULES, ABBREVIATIONS AND SPECIFICATIONS

VILLAGE THERA

VILLAGE PILKHI

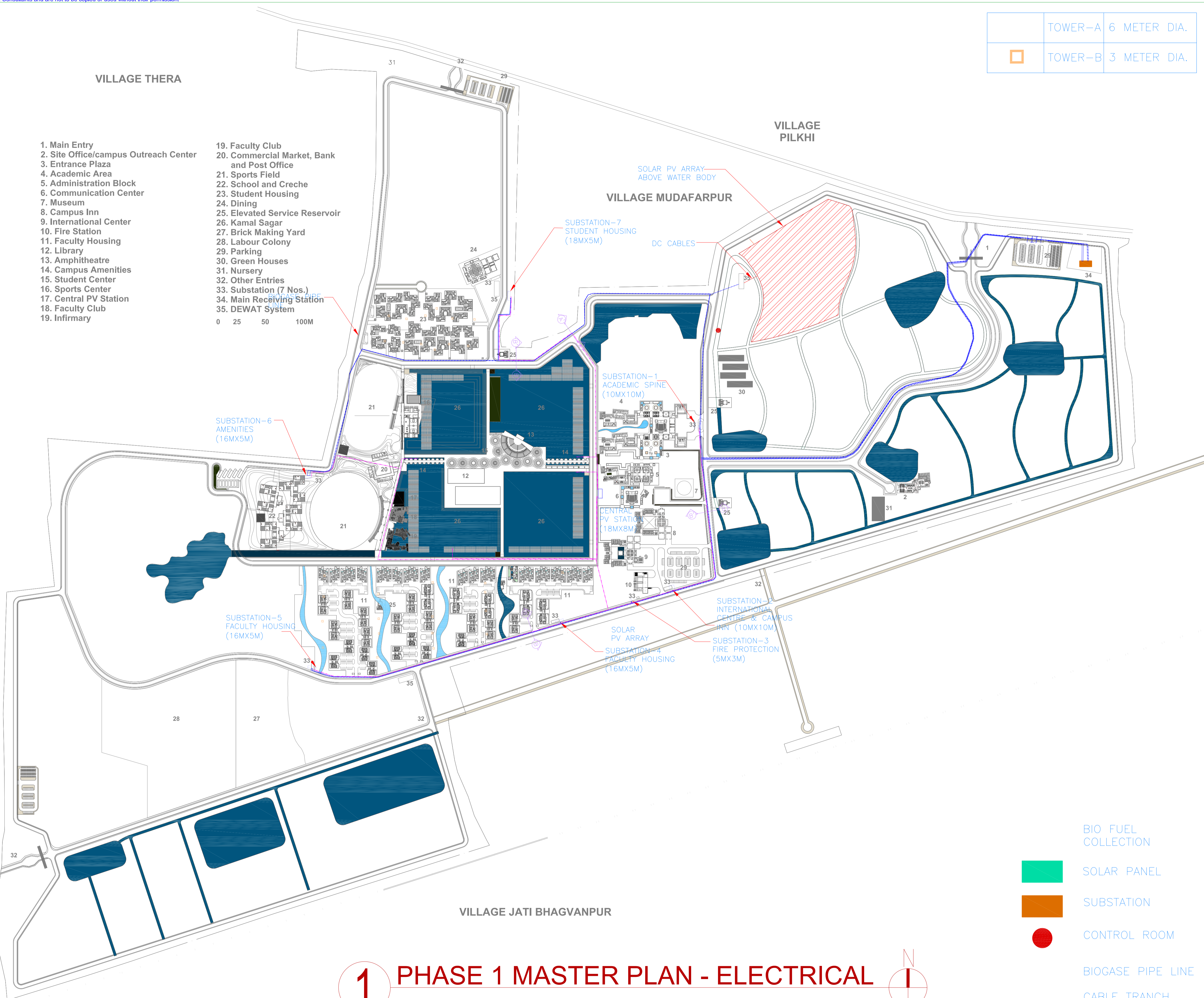
VILLAGE MUDAFARPUR

VILLAGE KUBADI

VILLAGE JATI BHAGVANPUR

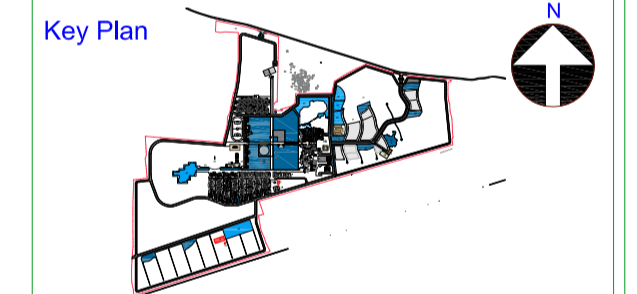
- | | |
|---------------------------------------|---|
| 1. Main Entry | 19. Faculty Club |
| 2. Site Office/campus Outreach Center | 20. Commercial Market, Bank and Post Office |
| 3. Entrance Plaza | 21. Sports Field |
| 4. Academic Area | 22. School and Creche |
| 5. Administration Block | 23. Student Housing |
| 6. Communication Center | 24. Dining |
| 7. Museum | 25. Elevated Service Reservoir |
| 8. Campus Inn | 26. Kamal Sagar |
| 9. International Center | 27. Brick Making Yard |
| 10. Fire Station | 28. Labour Colony |
| 11. Faculty Housing | 29. Parking |
| 12. Library | 30. Green Houses |
| 13. Amphitheatre | 31. Nursery |
| 14. Campus Amenities | 32. Other Entries |
| 15. Student Center | 33. Substation (7 Nos.) |
| 16. Sports Center | 34. Main Receiving Station |
| 17. Central PV Station | 35. DEWAT System |
| 18. Faculty Club | |
| 19. Infirmary | |

0 25 50 100M



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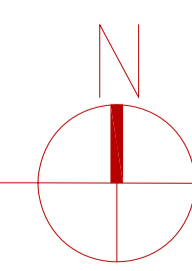
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PHASE 1 MASTER PLAN - ELECTRICAL
FOR TENDER



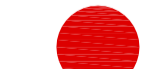



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1 PHASE 1 MASTER PLAN - ELECTRICAL



-  BIO FUEL COLLECTION
-  SOLAR PANEL
-  SUBSTATION
-  CONTROL ROOM
-  BIOGASE PIPE LINE
-  CABLE TRANCH



SR.	MARK	DESCRIPTION	CAPACITY
1	DW-1	WASTE WATER TREATMENT PLANT	42KLD
2	DW-2	WASTE WATER TREATMENT PLANT	96KLD
3	DW-3	WASTE WATER TREATMENT PLANT	76KLD
3	DW-4	WASTE WATER TREATMENT PLANT	20KLD
4	ESR-1	OVER HEAD WATER STORAGE	60KL
5	ESR-2	OVER HEAD WATER STORAGE	60KL
6	ESR-3	OVER HEAD WATER STORAGE	60KL
7	ESR-4	OVER HEAD WATER STORAGE	60KL
8	ESR-5	OVER HEAD WATER STORAGE	60KL
9	T-1	CENTRAL TREATMENT STATION	450CUM
10	T-2	UG DRINKING WATER TREATMENT STATION (STUDENT HOUSING)	780CUM
11	T-3	UG DRINKING WATER TREATMENT STATION (ACADEMIC SPINE)	1400CUM
12	T-4	UG DRINKING WATER TREATMENT STATION (FACULTY HOUSING)	1400CUM
13	T-5	UG DRINKING WATER TREATMENT STATION (CAMPUS AMENITIES)	900CUM

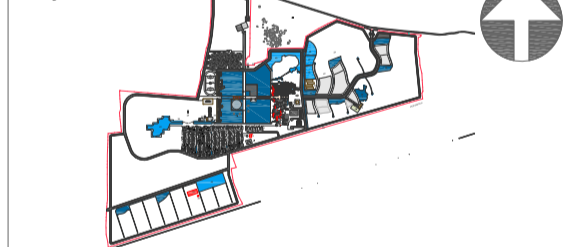
1 Master Plan: Fire Fighting

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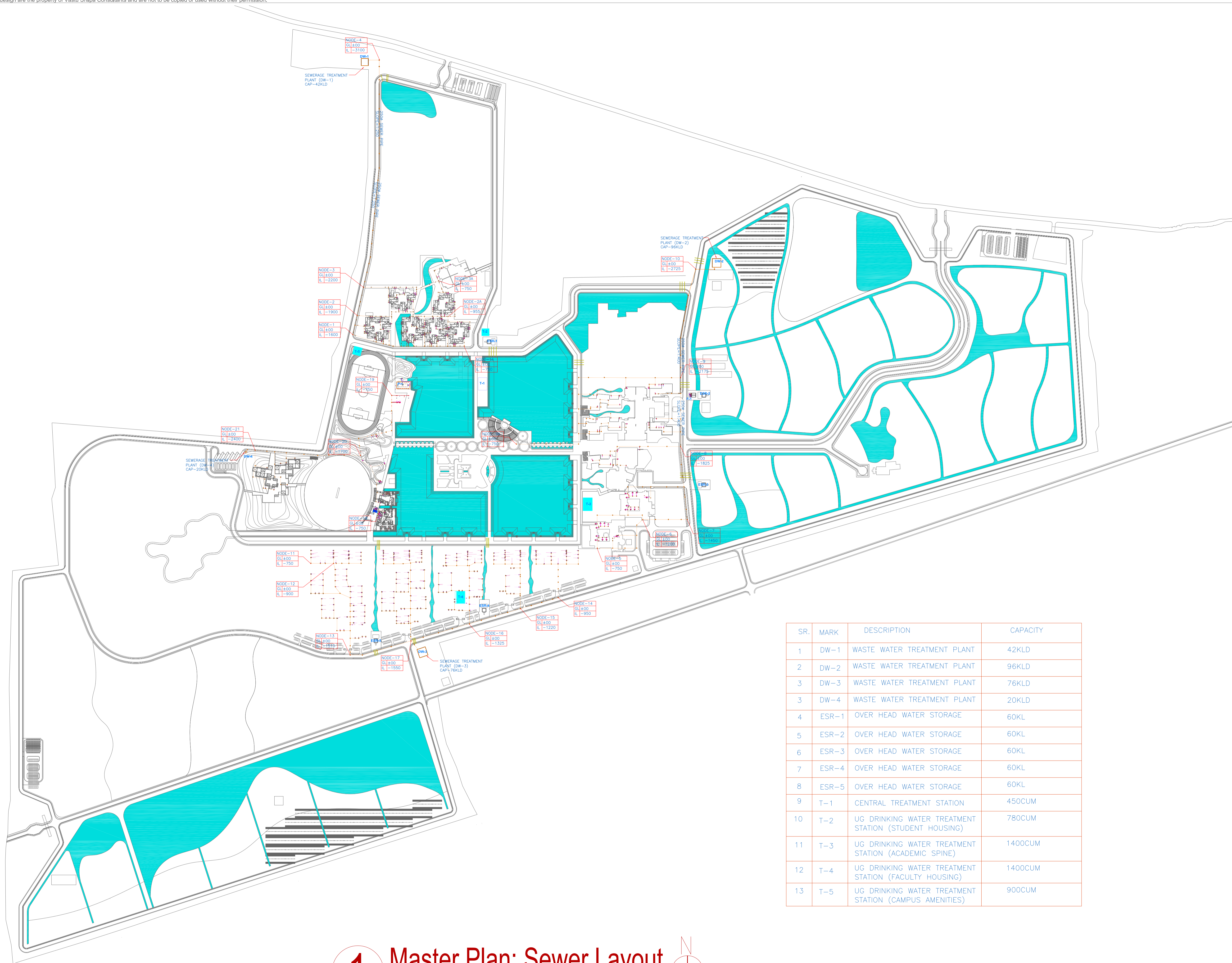
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Title
MASTER PLAN - FIRE FIGHTING
FOR TENDER

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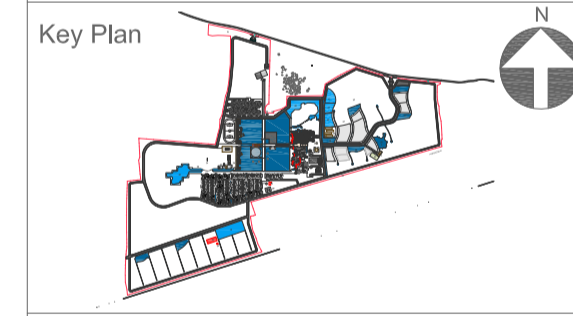
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10	T-2	UG DRINKING WATER TREATMENT STATION (STUDENT HOUSING)	780CUM
11	T-3	UG DRINKING WATER TREATMENT STATION (ACADEMIC SPINE)	1400CUM
12	T-4	UG DRINKING WATER TREATMENT STATION (FACULTY HOUSING)	1400CUM
13	T-5	UG DRINKING WATER TREATMENT STATION (CAMPUS AMENITIES)	900CUM

1 Master Plan: Sewer Layout

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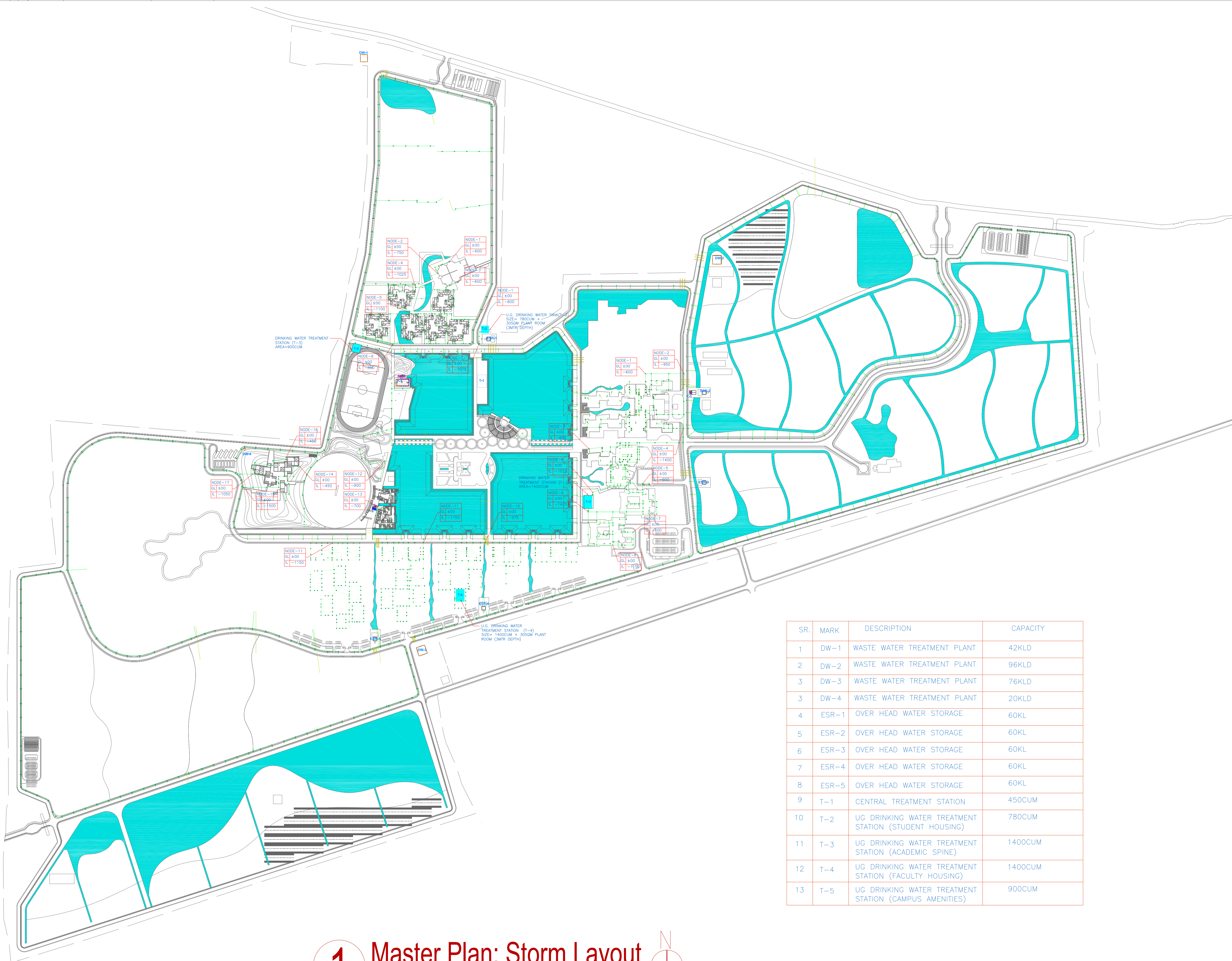
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Title
MASTER PLAN - SEWER LAYOUT
DRAFT TENDER

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3	DW-3	WASTE WATER TREATMENT PLANT	76KLD
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10	T-2	UG DRINKING WATER TREATMENT STATION (STUDENT HOUSING)	780CUM
11	T-3	UG DRINKING WATER TREATMENT STATION (ACADEMIC SPINE)	1400CUM
12	T-4	UG DRINKING WATER TREATMENT STATION (FACULTY HOUSING)	1400CUM
13	T-5	UG DRINKING WATER TREATMENT STATION (CAMPUS AMENITIES)	900CUM

1 Master Plan: Storm Layout

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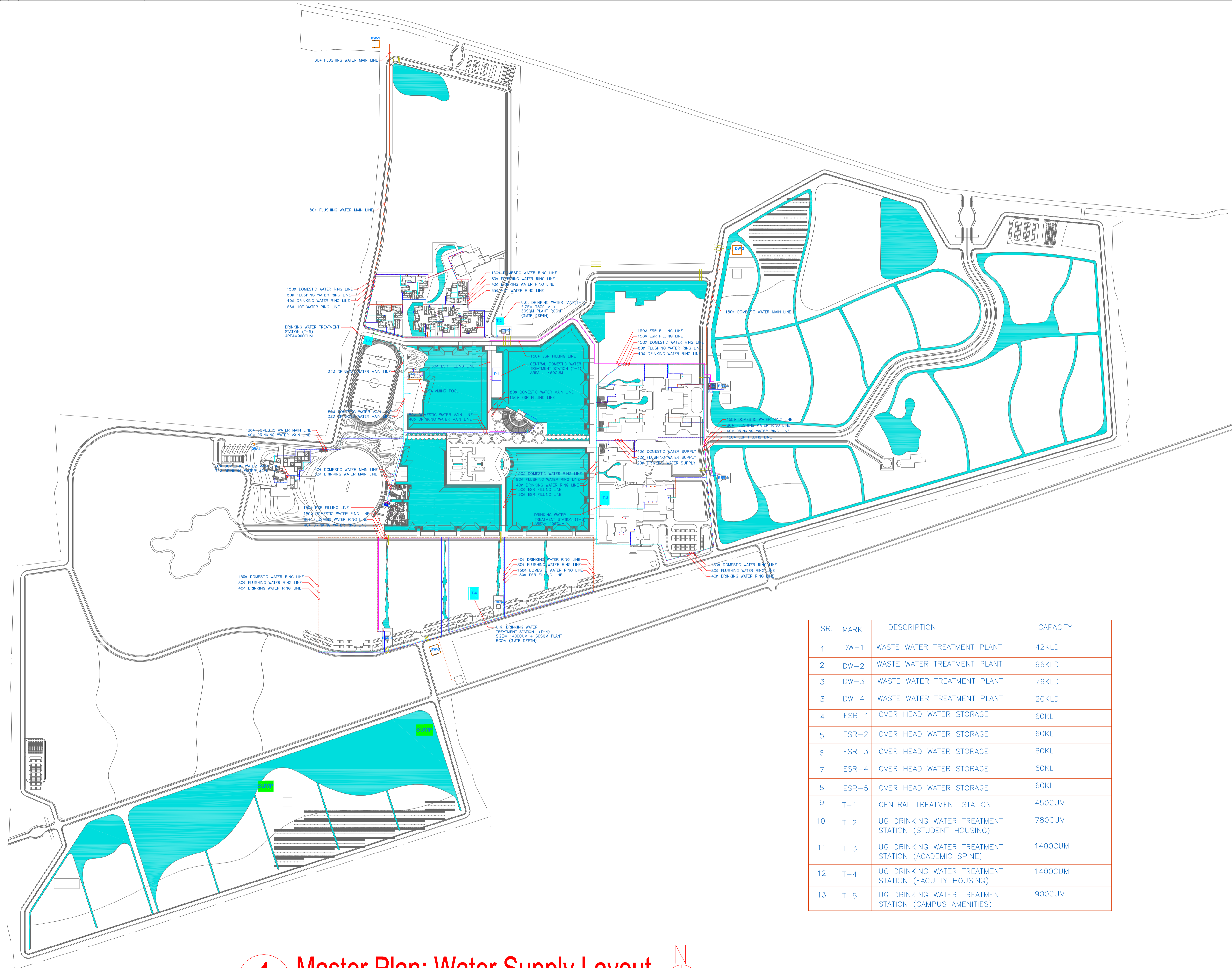
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MASTER PLAN - STORM LAYOUT FOR TENDER

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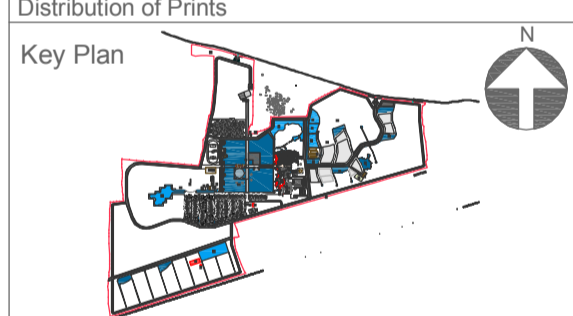


1 Master Plan: Water Supply Layout

SR.	MARK	DESCRIPTION	CAPACITY
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2	DW-2	WASTE WATER TREATMENT PLANT	96KLD
3	DW-3	WASTE WATER TREATMENT PLANT	76KLD
3	DW-4	WASTE WATER TREATMENT PLANT	20KLD
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11	T-3	UG DRINKING WATER TREATMENT STATION (ACADEMIC SPINE)	1400CUM
12	T-4	UG DRINKING WATER TREATMENT STATION (FACULTY HOUSING)	1400CUM
13	T-5	UG DRINKING WATER TREATMENT STATION (CAMPUS AMENITIES)	900CUM

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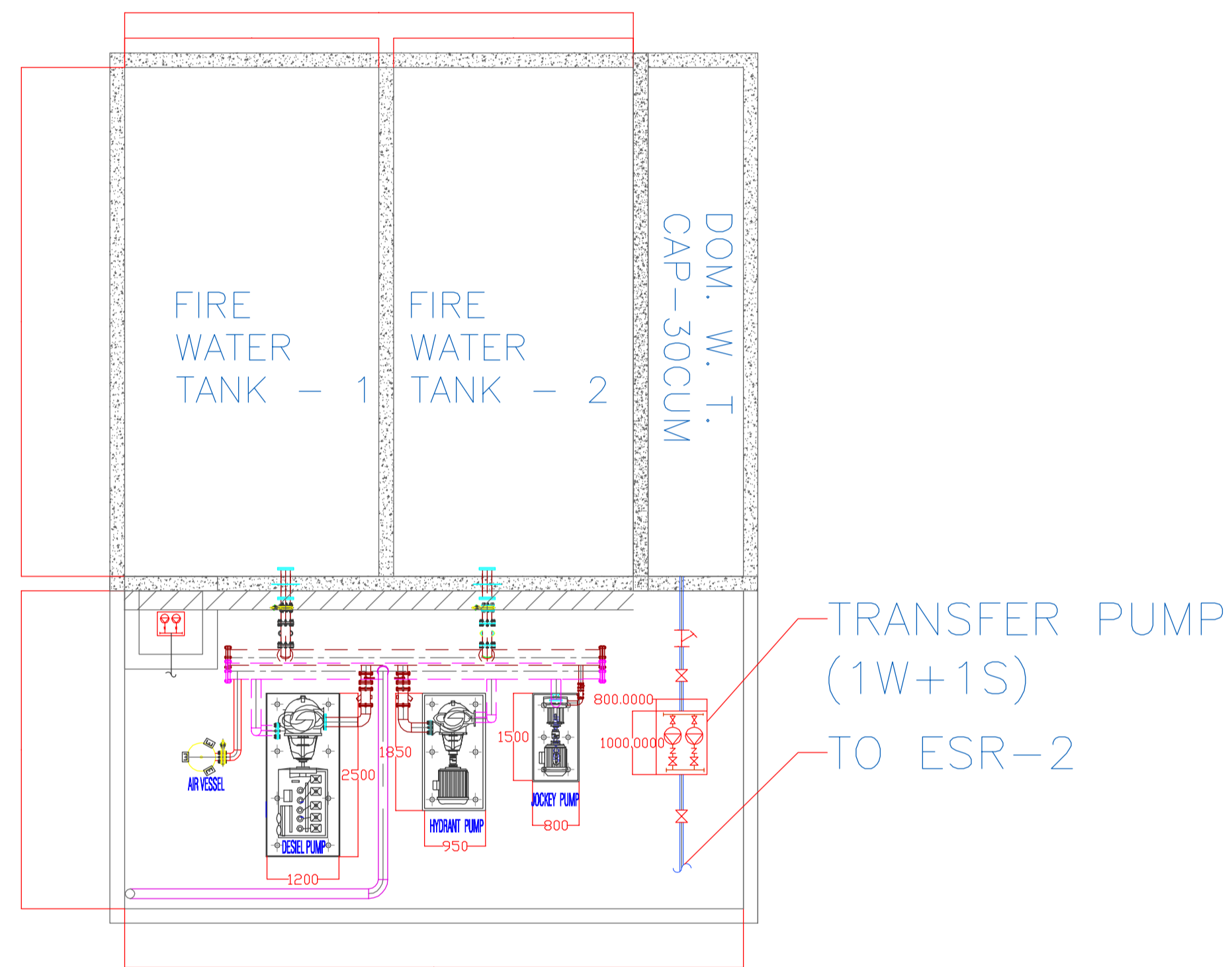
MASTER PLAN - WATER SUPPLY LAYOUT

DRAFT TENDER

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PLANT ROOM – (F1)

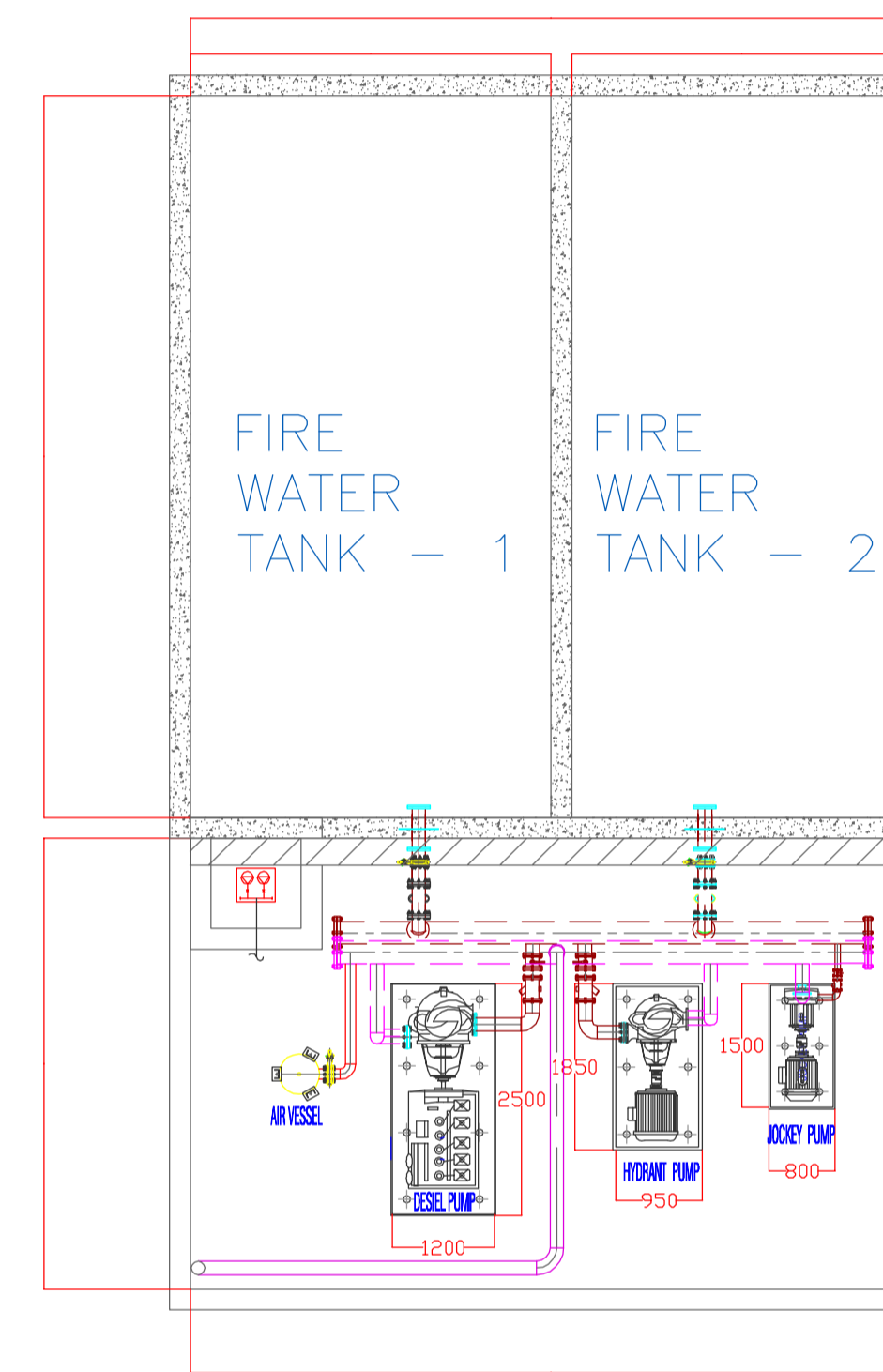
DOMESTIC WATER TANK SIZE – 8Mx1.5Mx3.5M(DEEP)

DOMESTIC WATER TANK CAP – 30CUM

FIRE WATER TANK SIZE – 8Mx8Mx3.5M(DEEP)

FIRE WATER TANK CAP – 110KL (2NOS.)

PUMP ROOM SIZE – 9.7Mx5Mx3.5M(DEEP)



FIRE PLANT ROOM – (F2)

FIRE WATER TANK SIZE – 8Mx8Mx3.5M(DEEP)

FIRE WATER TANK CAP. – 110KL (2NOS.)

TREATMENT STATION SIZE – 8Mx5Mx3.5M(DEEP)

No.	Date.	Remarks.
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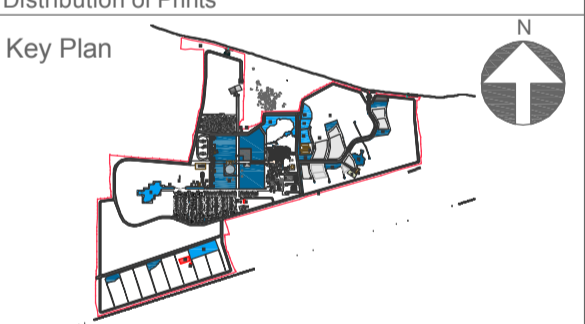
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ENLARGE PLANT ROOM – PLUMBING
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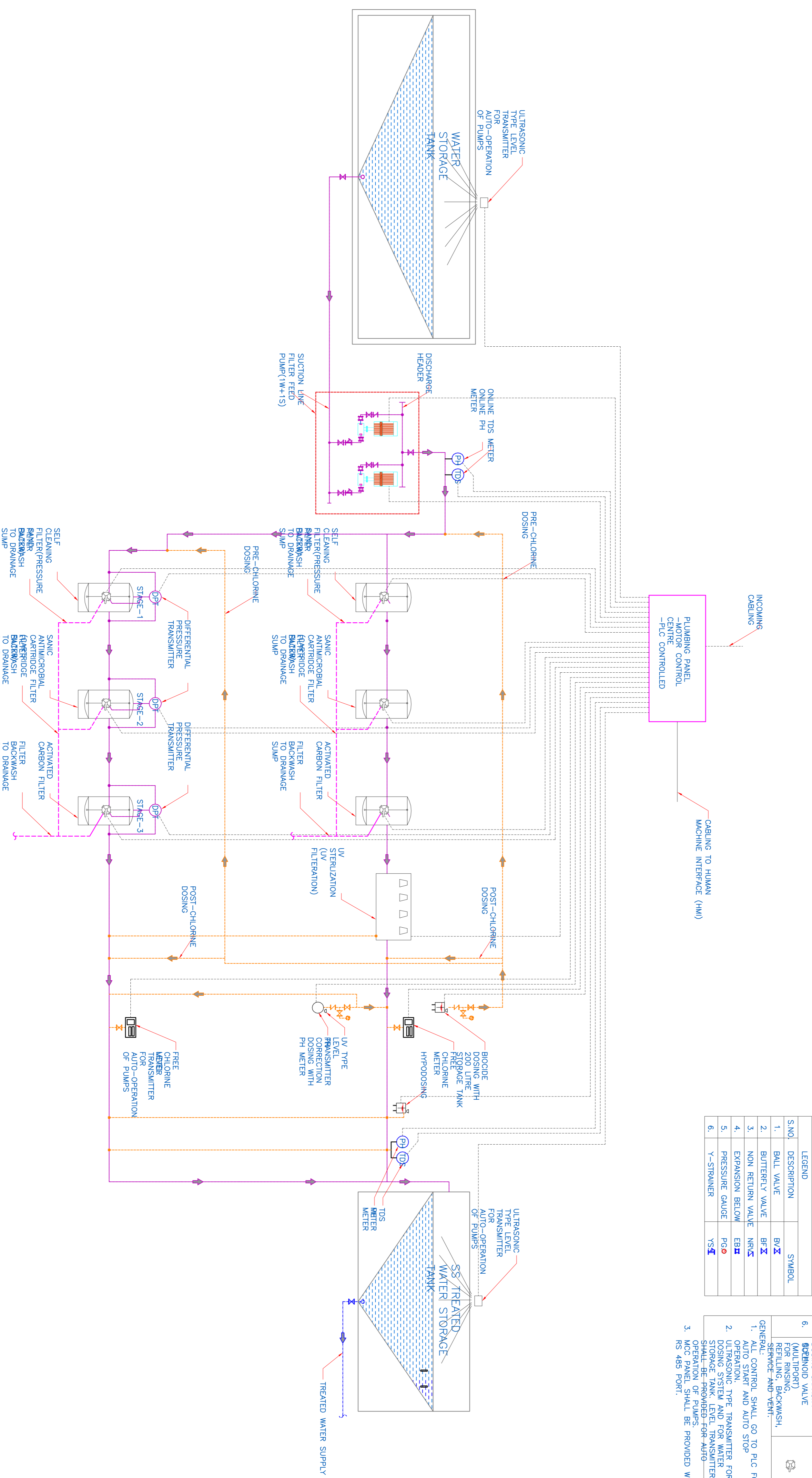
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1 ENLARGE PLANT ROOM
Scale - 1:50

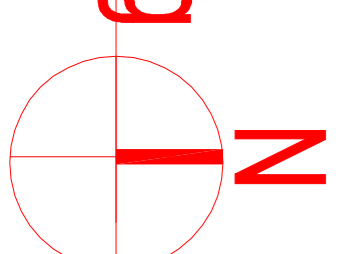


S.NO.	DESCRIPTION	SYMBOL
1.	BALL VALVE	B.V.
2.	BUTTERFLY VALVE	B.F.V.
3.	NON RETURN VALVE	N.R.V.
4.	EXPANSION BELOW	E.B.
5.	PRESSURE GAUGE	P.G.
6.	Y-STRAINER	Y.S.

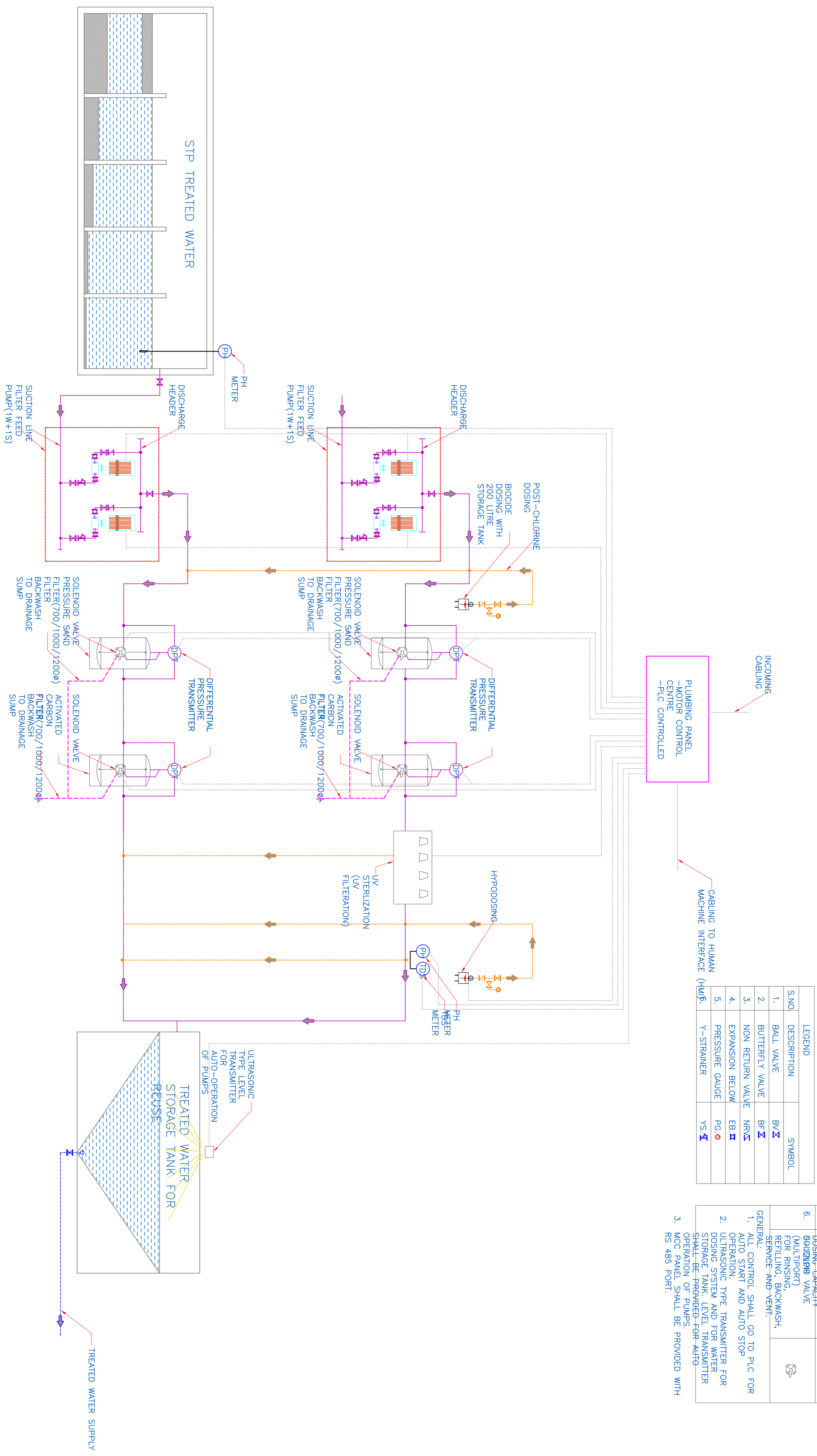
S.NO.	DESCRIPTION	SYMBOL
1.	TDS METER RANGE- 500PPM (INLET) 30-50 PPM (OUTLET) SHALL AT 50 LPM	
2.	PH METER RANGE- 7-8.5	
3.	DIFFERENTIAL PRESSURE TRANSMITTER RANGE- < 1 KG/CW*2	
4.	ALL FILTER SHALL BACKWASH AND BACKWASH WATER DRAINAGE (BACKWASH) LITRES	
5.	BIOWASHING CAPACITY T.M.DOSING LITRES 200	
6.	DOSEING CAPACITY BACKWASH VALVE FOR DRINKING WATER REFINING, BACKWASH, SERVICE AND VENT.	

GENERAL CONTROL SHALL GO TO PLC FOR AUTO START AND AUTO STOP OPERATION. ULTRASONIC TYPE TRANSMITTER FOR STORAGE TANK LEVEL TRANSMITTER SHALL BE PROVIDED FOR AUTO OPERATION OF PUMPS. RS 485 PORT SHALL BE PROVIDED WITH RS 485 PORT.

1 Drinking Water Treatment Station Schematic: Plumbing



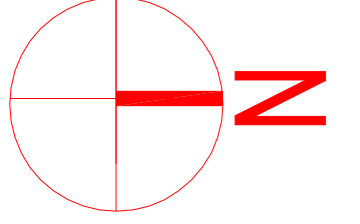
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No.	Date	Remarks					
1	15.7.16	AT VSC					
<p>Title DRINKING WATER TREATMENT STATION SCHEMATIC : PLUMBING FOR TENDER</p> <p>Drawn By: JK Checked: AT Scale: NTS Date: 15.07.2016</p>	<p>Drawing No.: NUC-WP-P-P3.3 Approved By: VM</p> <p>VASTU SHILPA CONSULTANTS Architects Planners Urban Designers</p> <p>'Sanghvi', Thakur Road, Anandnagar, -80064 Phone: 079-27454537 Fax: 079-27452006 www.sanghvi.org e-mail: vsc@sanghvi.org</p>						



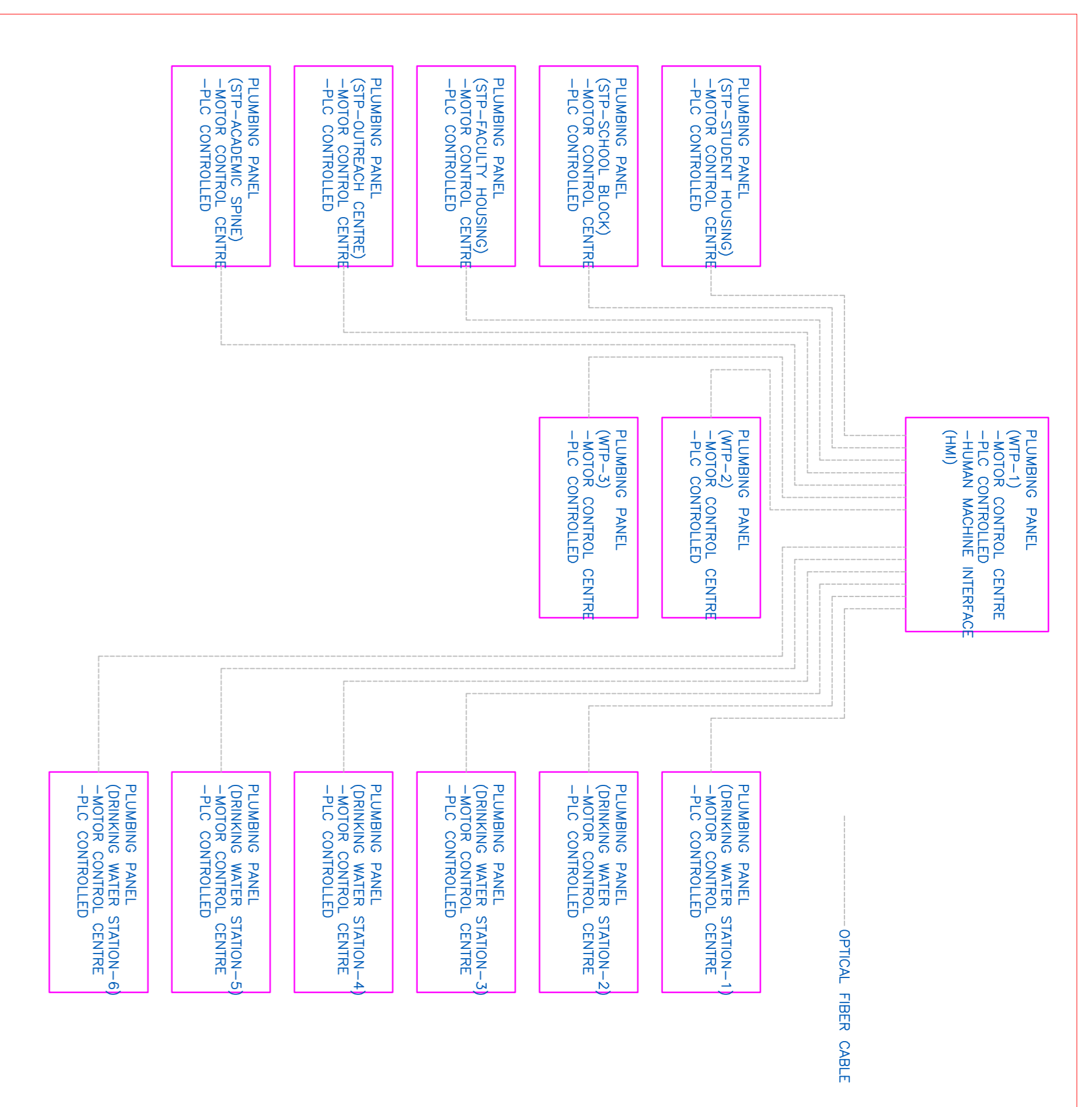
S.NO.	DESCRIPTION	SYMBOL
1.	BALL VALVE	BV
2.	BUTTERFLY VALVE	BF
3.	NON RETURN VALVE	NRV
4.	EXPANSION BELOW	EB
5.	PRESSURE GAUGE	PG
	Y-STRAINER	YS

S.NO.	DESCRIPTION	SYMBOL
1.	TDS METER RANGE- 500PPM (NILET) 30-50 ppm RANGE-ALUMINIUM	TDS
2.	PH METER RANGE- 7-8.5	PH
3.	DIFFERENTIAL PRESSURE TRANSMITTER RANGE- < 1 KG/CM ² (ALL FILTER SHALL BACKWASH AND BACKWASHING DRAINAGE TO DRAINAGE SUMP)	DP
4.	DOSEING CAPACITY BEHINDER VALVE (MULTIPORT) FOR RINSING, REFILLING, BACKWASH, SERVICE AND VENT.	
6.	GENERAL CONTROL SHALL GO TO PLC FOR 1. AUTO START AND AUTO STOP OPERATION. 2. ULTRASONIC TYPE TRANSMITTER FOR STORAGE TANK LEVEL TRANSMITTER OPERATION OF PUMP OR AUTO	
3.	MCC PANEL SHALL BE PROVIDED WITH RS 485 PORT.	

1 STP Water Treatment Station Schematic: Plumbing



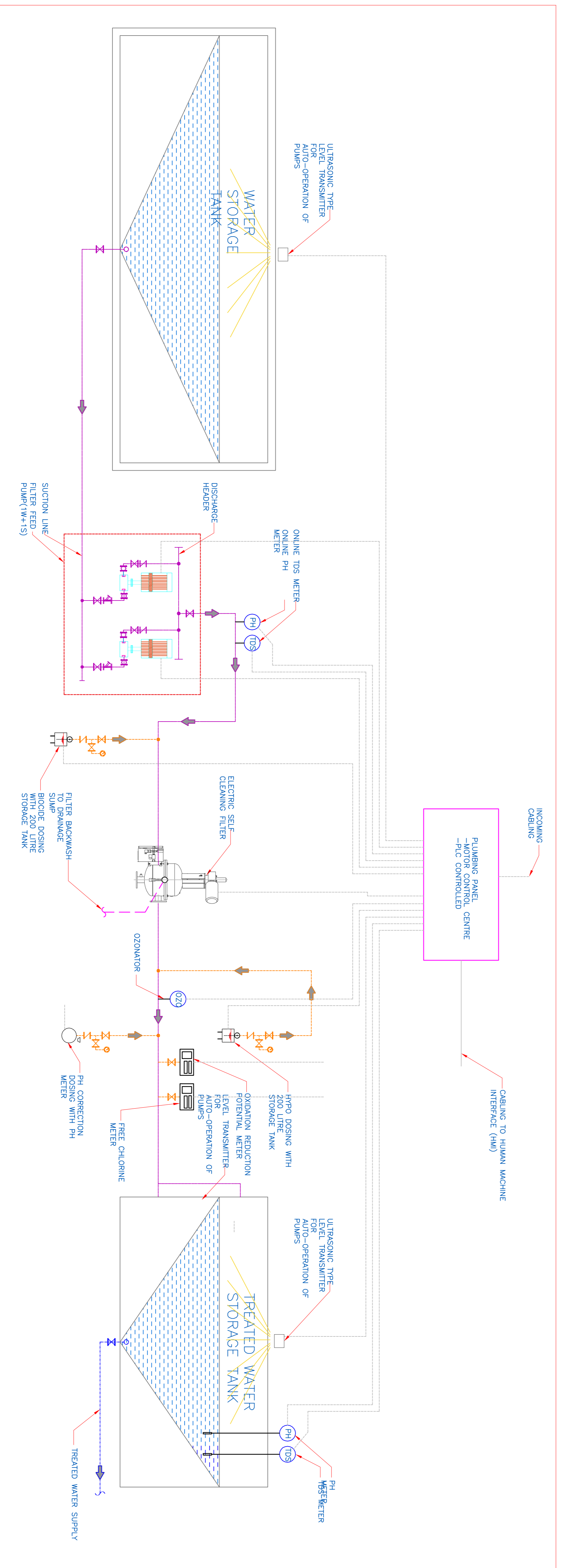
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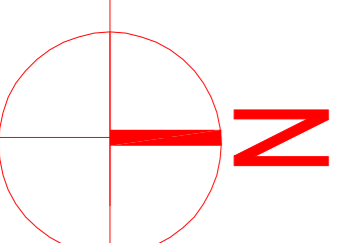
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3.	NON RETURN VALVE	NRV
4.	EXPANSION BELOW	EB
5.	PRESSURE GAUGE	PG
6.	Y-STRAINER	YS

S.NO.	DESCRIPTION	SYMBOL
1.	TDS METER RANGE - 30-50 PPM (OUTLET-ALARM AT 50 PPM)	TDS
2.	PH METER RANGE - 7-8.5	PH
3.	BIOCODE DOSING LITRES DOSING CAPACITY 0-12LPH	
4.	PH DOSING TANK CAP: 200 LITRES DOSING CAPACITY 0LPH	

GENERAL:
 1. ALL CONTROL SHALL GO TO PLC FOR AUTO START AND AUTO STOP OPERATION.
 2. ULTRASONIC TYPE TRANSMITTER FOR DOSING SYSTEM SHALL BE PROVIDED FOR AUTO OPERATION OF PUMPS.
 3. MCC PANEL SHALL BE PROVIDED WITH RS 485 PORT.



1 Domestic Water Treatment Station Schematic: Plumbing



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Title
 DOMESTIC WATER TREATMENT
 STATION SCHEMATIC - PLUMBING
 TENDER

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