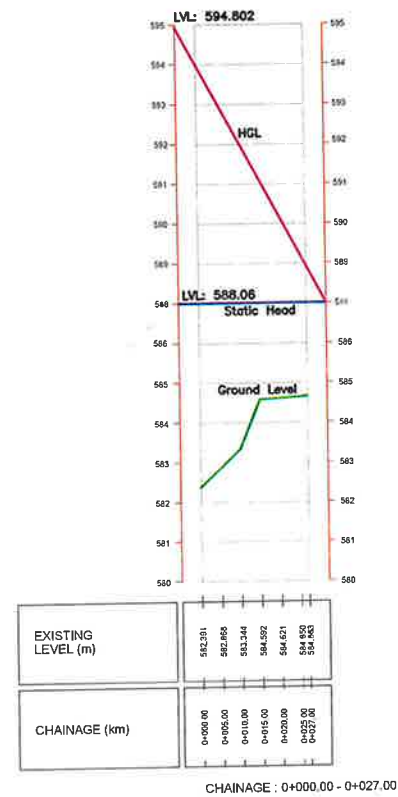


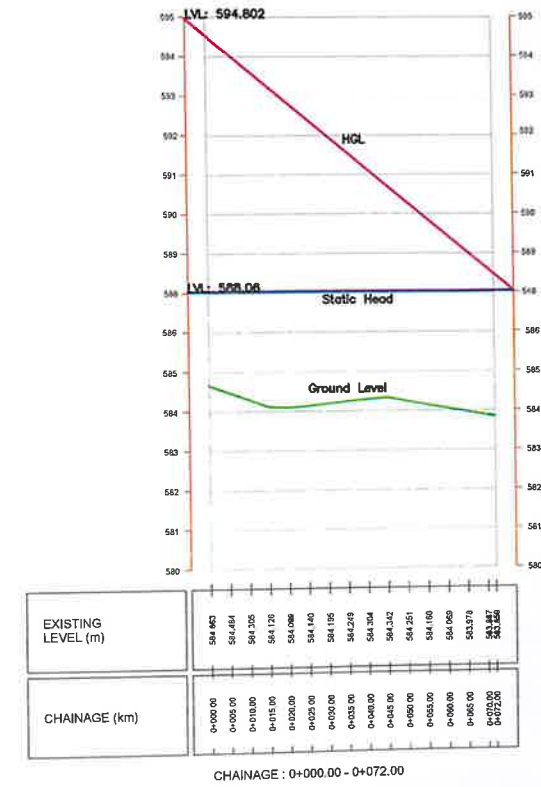
The site plan illustrates the proposed Sewerage Treatment Plant (STP) at Nippani. The plant is situated along a canal, with the influent line entering from the top left and the effluent line exiting towards the bottom right. The plan details the layout of the aeration tank, clarifier, and sludge storage tank. The STP is located adjacent to the existing Nippani - Mudhol Rd. The plan includes a north arrow and a scale bar.



REFERENCE DRAWINGS				CONSULTANT:
SR.NO	DRG/DOC. NO.	REV NO.	TITLE	
				<div>GREEN DESIGN & ENGINEERING SERVICES PVT.LTD</div> <div>CLIENT : GOVERNMENT OF KARNATAKA URBAN DEVELOPMENT DEPARTMENT</div> <div>PROJECT TITLE : SBM 2.0 INTERCEPTION & DIVERSION WORKS</div> <div>DRAWING TITLE : PUMPING MAIN LAYOUT AT KANKANWADI (BELAGAVI DISTRICT)</div>
				<div>SHEET SIZE : A3</div> <div> <div>DRN.</div> <div>CHK.</div> <div>APP.</div> <div>DATE</div> <div>REV</div> </div> <div> <div>SB SCALE F.T.S</div> <div>DRAWING NUMBER</div> </div> <div> <div>AS SHOWN</div> <div>1468001/DMA/SWM/SB2/312/ 2024.KANKAN/BELA/1&D/00</div> </div>



Longitudinal Section from I&D to WW



Longitudinal Section from Wetwell to STP

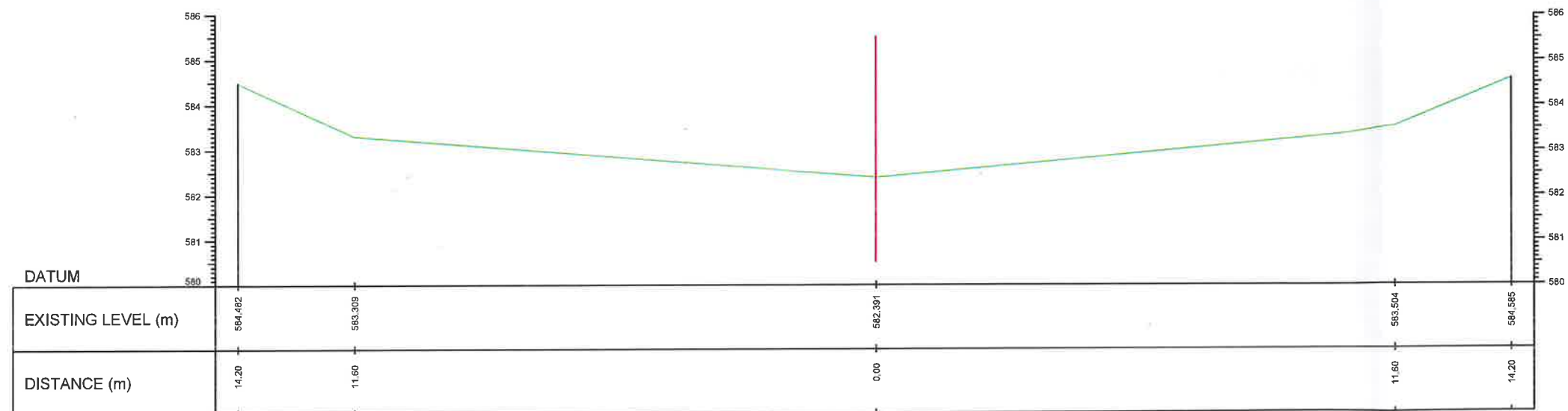
- NOTES :
1. ALL DIMENSIONS ARE IN MM.
 2. CONCRETE GRADE : M 30
 3. STEEL GRADE : FE 550.

THE THICKNESS AND SIZES OF STRUCTURAL ELEMENTS ARE TENTATIVE. THE STRUCTURAL DRAWINGS SHALL BE REFERRED FOR ACTUALS.



REFERENCE DRAWINGS				CONSULTANT:				
SR.NO	DRG/DOC. NO.	REV NO.	TITLE	GREEN DESIGN & ENGINEERING SERVICES PVT.LTD				
				CLIENT : GOVERNMENT OF KARNATAKA URBAN DEVELOPMENT DEPARTMENT				
				PROJECT TITLE : SBM 2.0 INTERCEPTION & DIVERSION WORKS				
				DRN.	CHK.	APP.	DATE	REV
							28.11.2025	R1
				DRAWING TITLE : LONGITUDINAL SECTION OF PUMPING MAIN ALIGNMENT AT NAGANURA (BELAGAVI DISTRICT)				
				DRAWING NUMBER : 1468001/DMA/SWM/SB2/312/2024.NAGA/BELA/I&D/002				

SHEET SIZE : A3



Cross section

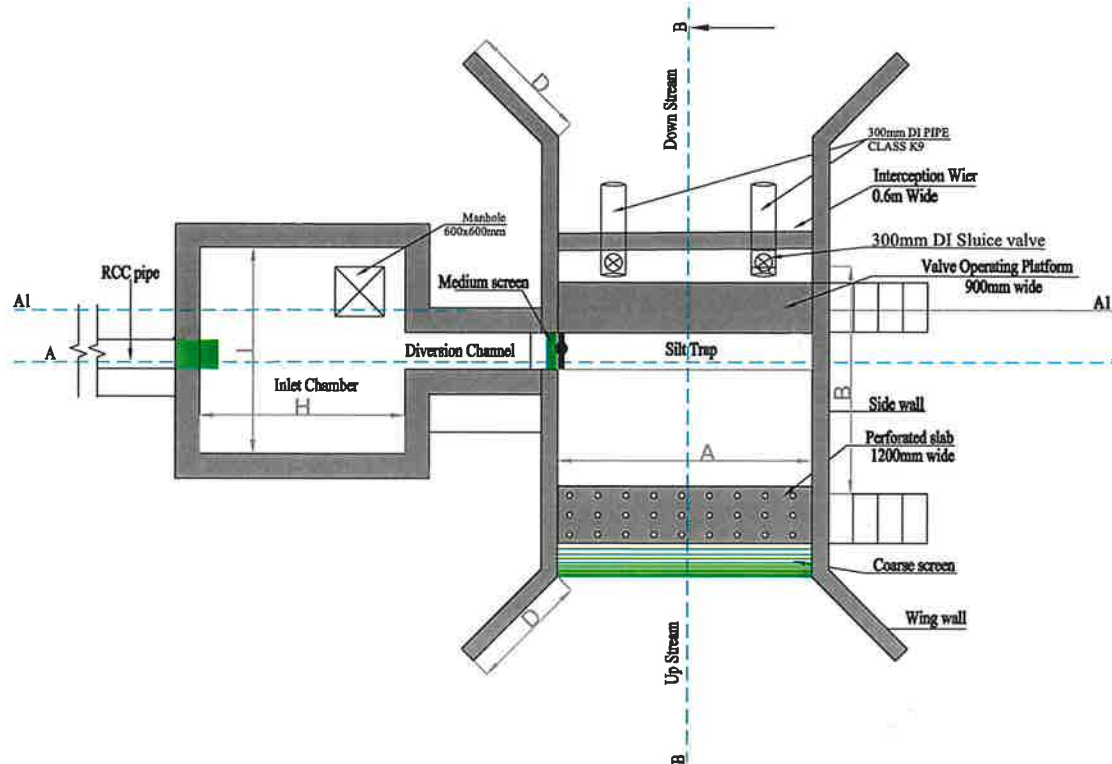
- NOTES :
1. ALL DIMENSIONS ARE IN MM.
 2. CONCRETE GRADE : M30
 3. STEEL GRADE : FE 550.

THE THICKNESS AND SIZES OF STRUCTURAL ELEMENTS ARE TENTATIVE.
THE STRUCTURAL DRAWINGS SHALL BE REFERRED FOR ACTUALS.

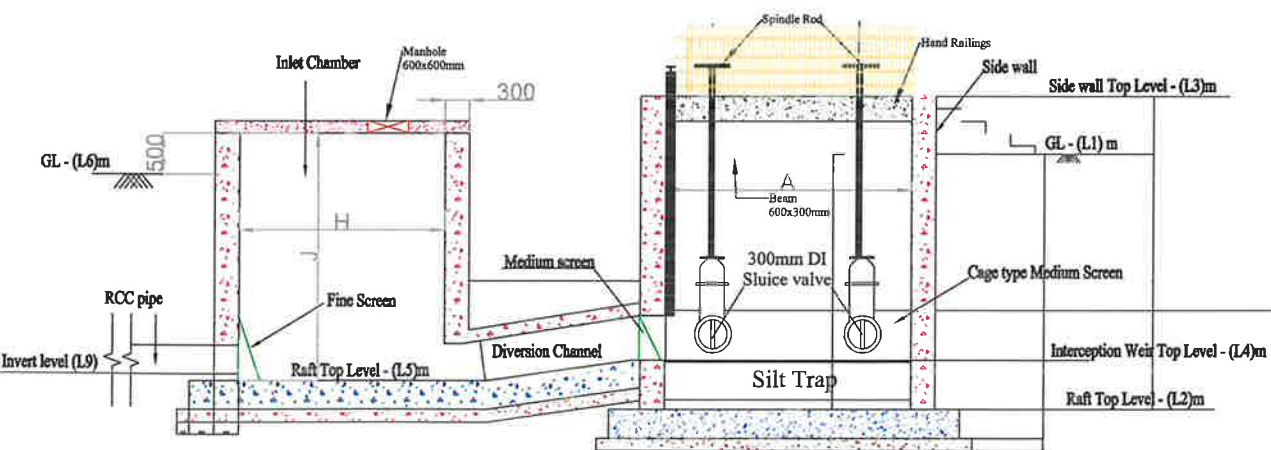


REFERENCE DRAWINGS			
SR.NO	DRG/DOC. NO.	REV NO.	TITLE

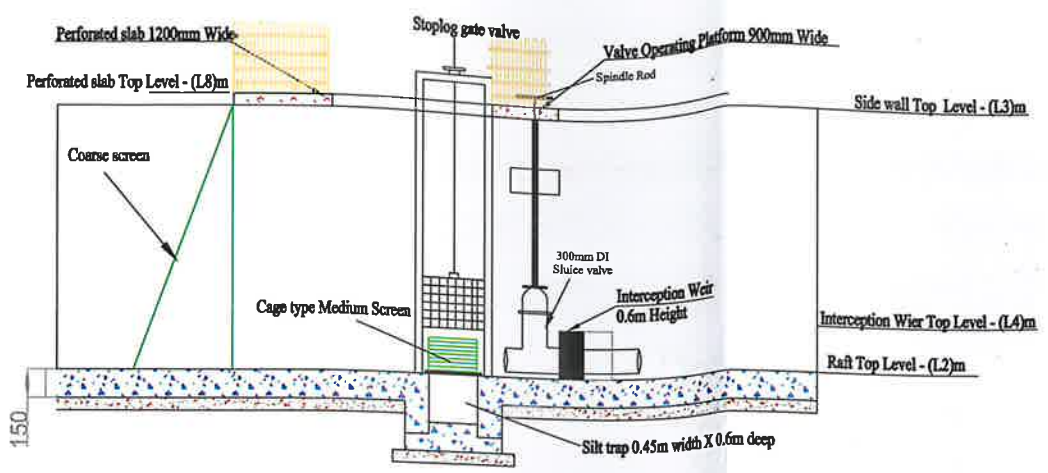
CONSULTANT:				
GREEN DESIGN & ENGINEERING SERVICES PVT.LTD				
CLIENT :				
GOVERNMENT OF KARNATAKA URBAN DEVELOPMENT DEPARTMENT				
SHEET SIZE : A3				
PROJECT TITLE :				
SBM 2.0 INTERCEPTION & DIVERSION WORKS				
DRN.	CHK.	APP.	DATE	REV
			28.11.2025	R1
DRAWING TITLE :				
CROSS SECTION OF OUTFALL 1&2 AT NAGANURA (BELAGAVI DISTRICT)				
SCALE		DRAWING NUMBER		
AS SHOWN		1468001/DMA/SWM/SB2/312/2024.NAGA/BELA/IRD/003		



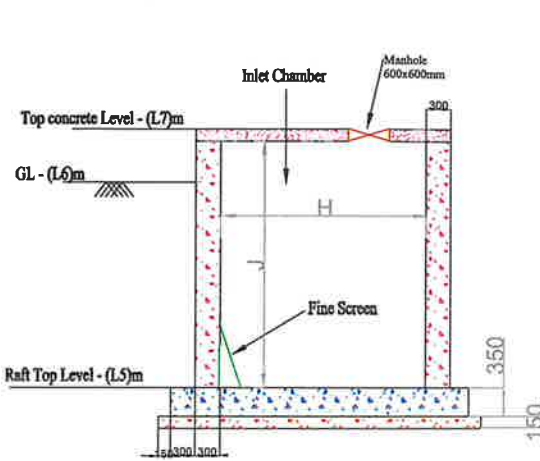
PLAN (Top view)



Cross Section A-A



Longitudinal Section B-B

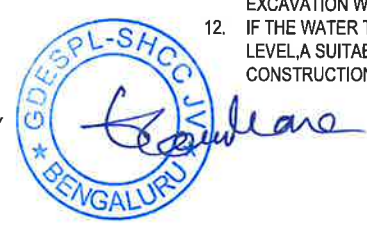


Cross Section A1-A1

S.N	Modified Channel			Inlet Chamber				
	L1	L2	L3	L4	L5	L6	L7	L8
1	578.330 (m)	575.13 (m)	579.03 (m)	575.63 (m)	574.802 (m)	578.00 (m)	578.652 (m)	579.18 (m)

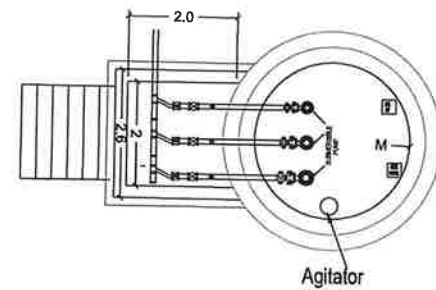
I&D Module Sizing											
S.N	Flow (MLD)	Modified Channel		Wing wall	Diversion Channel			Inlet Chamber			Gravity Pipe from I&D to Wet Well
		Width (mts)	Length (mts)	Length (mts)	Width (mts)	Length (mts)	Depth (mts)	Width (mts)	Length (mts)	Depth (mts)	Length (mts)
1	1.73	3.00	4.0	3.00	0.45	3.00	0.50	0.90	0.90	3.70	20.0

- NOTES:**
- ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN M
 - ALL CONCRETE MIX FOR R.C.C. SHALL BE M 30 UP TO PLINTH LVL AND P.C.C. M15
 - 'T' INDICATES Fe 550 GRADE H.Y.S.D./TMT BARS CONFIRMING TO IS:1786-2008
 - NOMINAL/CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWING;
FOUNDATION/RAFT :50mm ,COLUMN : 40mm , RC WALL : 45 mm ,BEAM : 25mm AND SLAB : 20mm
 - ALL CONCRETE SHALL BE MACHINE MIXED AND MACHINE VIBRATED.
 - STEEL CHAIRS SHALL BE PROVIDED TO KEEP TOP STEEL IN PROPER POSITION.
 - ALL DIMENSIONS AND LEVELS SHALL BE VERIFIED AS PER G.A.D DRAWINGS. IF ANY AMBIGUITY FOUND IT SHALL BE BROUGHT TO THE NOTICE BEFORE EXECUTION.
 - DEVELOPMENT/LAP LENGTH SHALL BE NOT LESS THAN 50 TIMES THE DIAMETER.
 - CURING OF CONCRETE MEMBERS SHALL BE CARRIED OUT FOR A MINIMUM PERIOD OF 14 DAYS FROM CASTING.
 - SOIL BEARING CAPACITY IS CONSIDERED AS 120 kN/m² AT THE FOUNDATION LEVEL. AS PER SOIL STRATA
 - IS 3764-1992 SHALL BE FOLLOWED AS A SAFETY CODE FOR EXCAVATION WORK.
 - IF THE WATER TABLE IS ENCOUNTERED AT THE FOUNDATION LEVEL, A SUITABLE DEWATERING TECHNIQUE SHOULD BE USED FOR CONSTRUCTION.

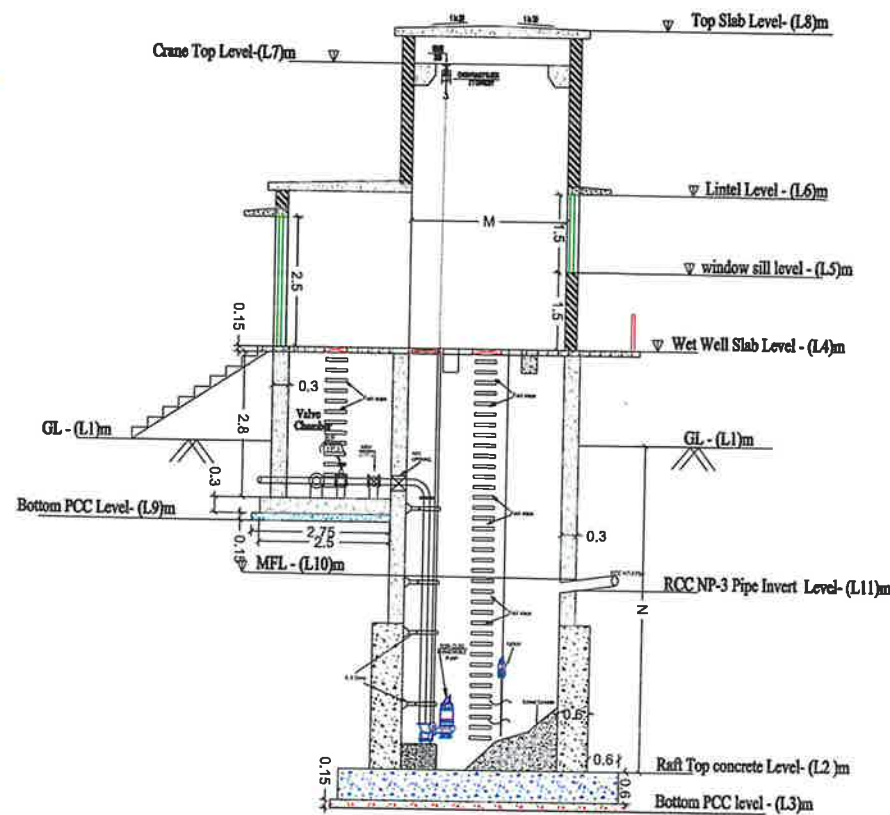


REFERENCE DRAWINGS				CONSULTANT:				
SR.NO	DRG/DOC. NO.	REV NO.	TITLE	GREEN DESIGN & ENGINEERING SERVICES PVT.LTD				
				CLIENT : GOVERNMENT OF KARNATAKA URBAN DEVELOPMENT DEPARTMENT				
				PROJECT TITLE : SBM 2.0 INTERCEPTION & DIVERSION WORKS				
				DRN.	CHK.	APP.	DATE	REV
				DRAWING TITLE : INTERCEPTION & DIVERSION-1 LAYOUT AT Kankenawadi (Belagavi DISTRICT)				DRAWING NUMBER
				SH SCALE F.T.S AS SHOWN				DMA/SWM/SB2/KNWD/BLGV/I&D/001

Plan and Section of Wet WELL



Wet Well Plan



Cross Section - A A

- NOTES:
1. ALL DIMENSIONS ARE IN M AND LEVELS ARE IN M
 2. ALL CONCRETE MIX FOR R.C.C. SHALL BE M 30 UP TO PLINTH LVL & ABOVE PLINTH M 25 UNLESS SPECIFIED AND P.C.C. M15
 3. 'T' INDICATES F4 550 GRADE H.Y.S.D./TMT BARS CONFORMING TO IS:1786-2008
 4. NOMINAL CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWING: FOUNDATION/RAFT: 50mm, COLUMN: 40mm, RC WALL: 45mm, SLAB: 25mm AND SLAB: 20mm
 5. ALL CONCRETE SHALL BE MACHINE MIXED AND MACHINE VIBRATED.
 6. STEEL CHAIRS SHALL BE PROVIDED TO KEEP TOP STEEL IN PROPER POSITION.
 7. ALL DIMENSIONS AND LEVELS SHALL BE VERIFIED AS PER G.A.D. DRAWINGS, IF ANY AMBIGUITY FOUND IT SHALL BE BROUGHT TO THE NOTICE BEFORE EXECUTION.
 8. DEVELOPMENT/LAP LENGTH SHALL BE NOT LESS THAN 40 TIMES THE DIAMETER.
 9. CURING OF CONCRETE MEMBERS SHALL BE CARRIED OUT FOR A MINIMUM PERIOD OF 14 DAYS FROM CASTING.
 10. SOIL BEARING CAPACITY IS CONSIDERED AS 120 kN/m² AT THE FOUNDATION LEVEL AS PER SOIL STRATA
 11. IS:374-1992 SHALL BE FOLLOWED AS A SAFETY CODE FOR EXCAVATION WORK.
 12. IF THE WATER TABLE IS ENCOUNTERED AT THE FOUNDATION LEVEL A SUITABLE DEWATERING TECHNIQUE SHOULD BE USED FOR CONSTRUCTION.

REFERENCE DRAWINGS			
SR.NO	DRG./DOC. NO.	REV. NO.	TITLE

CONSULTANT: GREEN DESIGN & ENGINEERING SERVICES PVT.LTD

CLIENT: GOVERNMENT OF KARNATAKA URBAN DEVELOPMENT DEPARTMENT

PROJECT TITLE: SEM 2.0 INTERCEPTION & DIVERSION WORKS

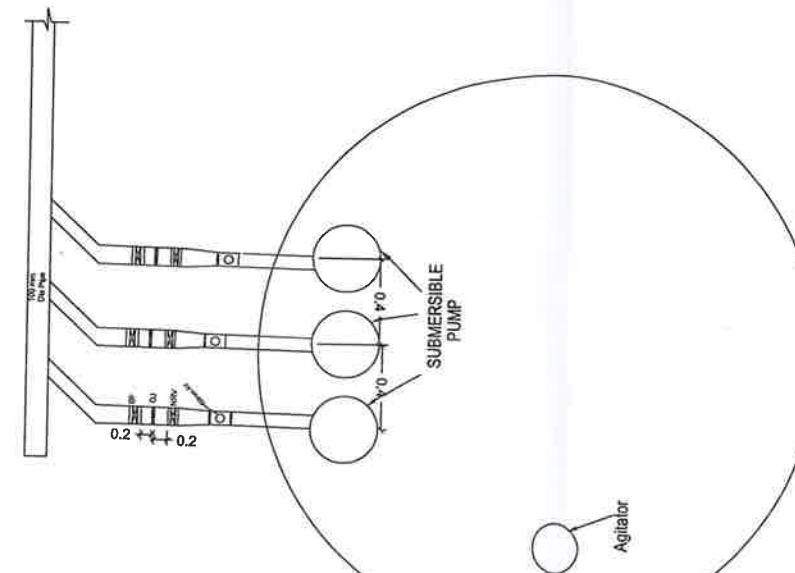
DRAWING TITLE: PLAN AND SECTION VIEW OF WET WELL, Kulkarni Nagar (BELLARURI DISTRICT)

DRN. CHK. APP. DATE REV

DRAWING NUMBER: DWA/SWM/SSE/KNYD/BLCY/WET/003

Wet Well		L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11
Diameter (mtr)	Overall Depth (mtr)	578.33	572.23	571.48	580.193	581.693	583.193	585.668	586.343	576.798	574.572	574.722
M	N	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)
3.0	6.10											

Manifold Drawing



- NOTES:
1. ALL DIMENSIONS ARE IN M
 2. BF= Butterfly valve
 3. NRV= Non - Return Valve
 4. DJ = Dismantling Joint
 5. AV = AIR Valve

REFERENCE DRAWINGS			
SR.NO	DRG./DOC. NO.	REV. NO.	TITLE

CONSULTANT: GREEN DESIGN & ENGINEERING SERVICES PVT.LTD

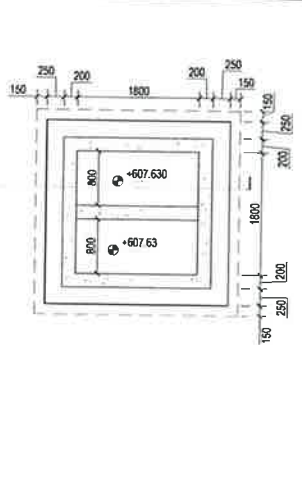
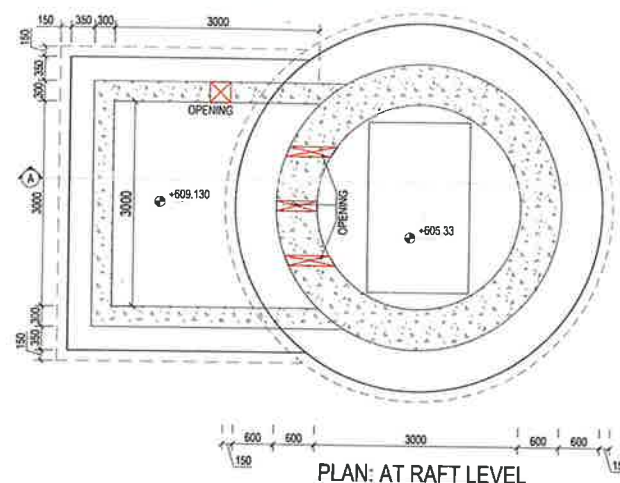
CLIENT: GOVERNMENT OF KARNATAKA URBAN DEVELOPMENT DEPARTMENT

PROJECT TITLE: SEM 2.0 INTERCEPTION & DIVERSION WORKS

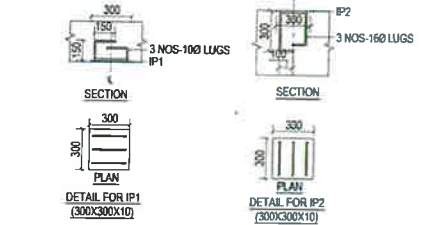
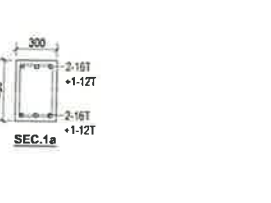
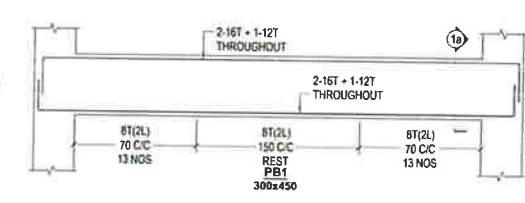
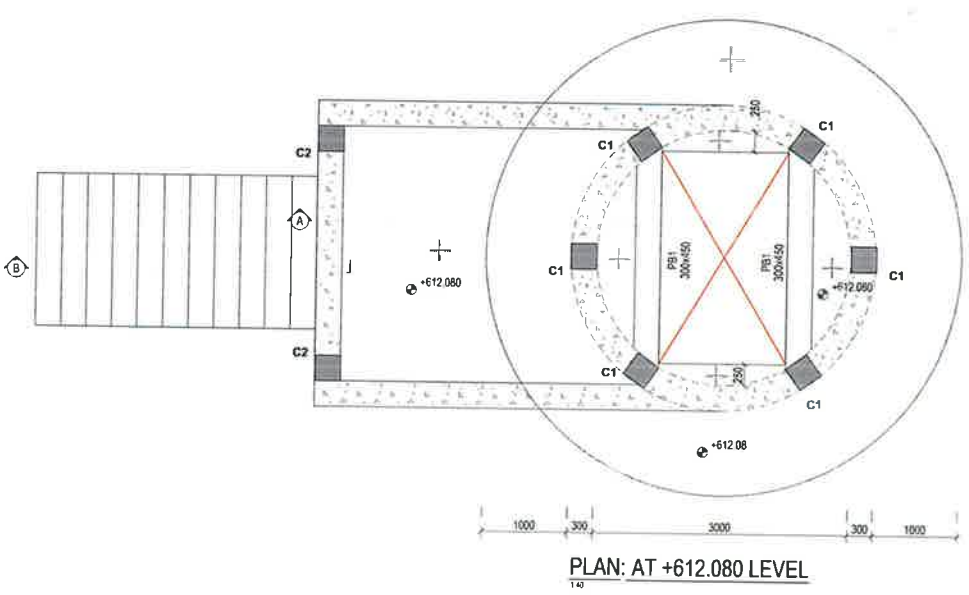
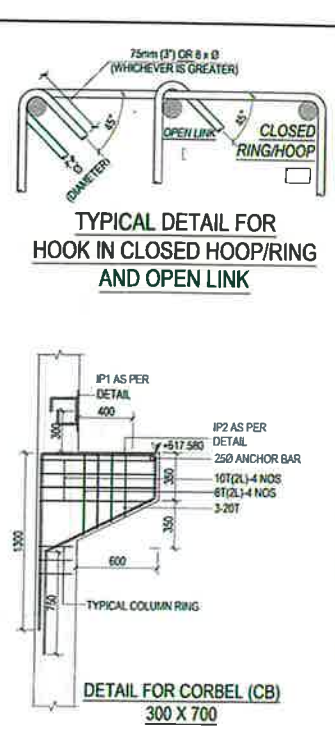
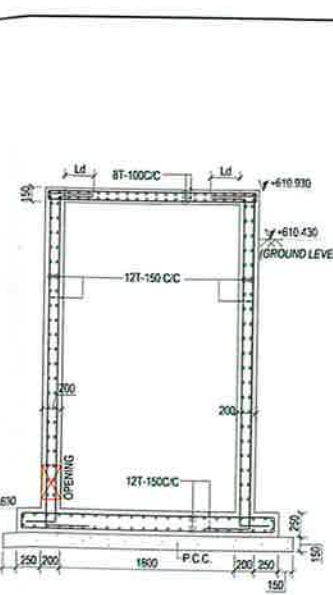
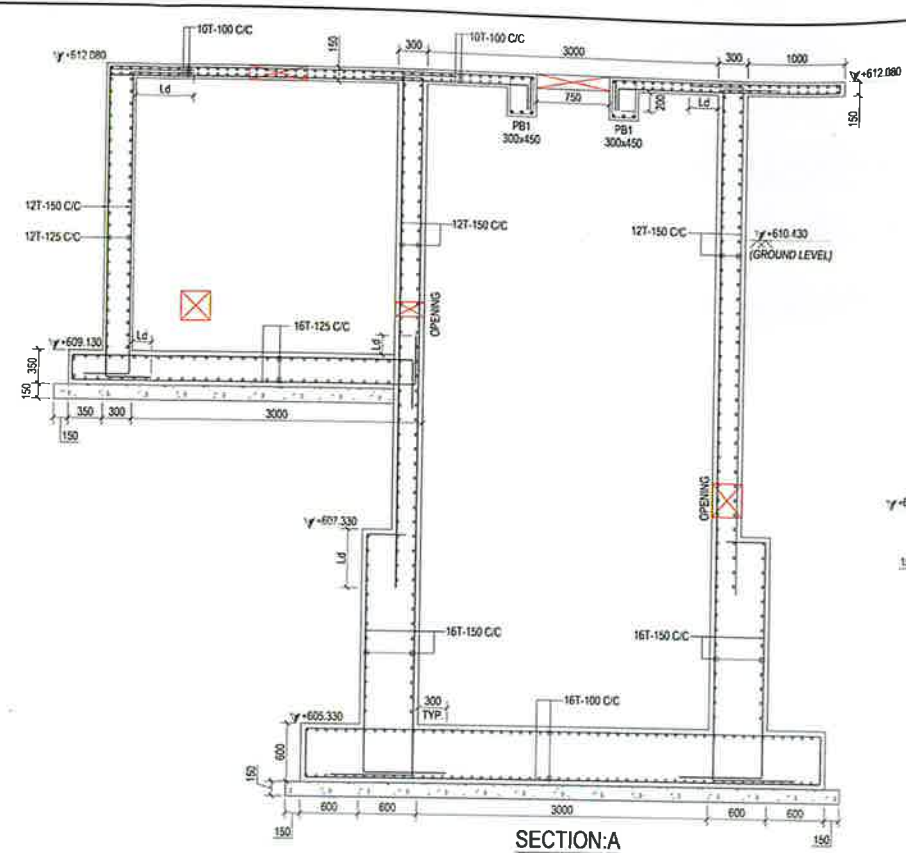
DRAWING TITLE: PLAN AND SECTION VIEW OF WET WELL, Kulkarni Nagar (BELLARURI DISTRICT)

DRN. CHK. APP. DATE REV

DRAWING NUMBER: DWA/SWM/SSE/KNYD/BLCY/WET/004



START LEVEL (+412.00)	TO	TOP SLAB LEVEL (+618.230)	W	8-16T	C2 DEPTH	800
START LEVEL (+412.00)	TO	TOP SLAB LEVEL (+618.230)	W	8-16T	C2 DEPTH	800
START LEVEL (+412.00)	TO	TOP SLAB LEVEL (+618.230)	W	8-16T	C2 DEPTH	800
START LEVEL (+412.00)	TO	TOP SLAB LEVEL (+618.230)	W	8-16T	C2 DEPTH	800
START LEVEL (+412.00)	TO	TOP SLAB LEVEL (+618.230)	W	8-16T	C2 DEPTH	800



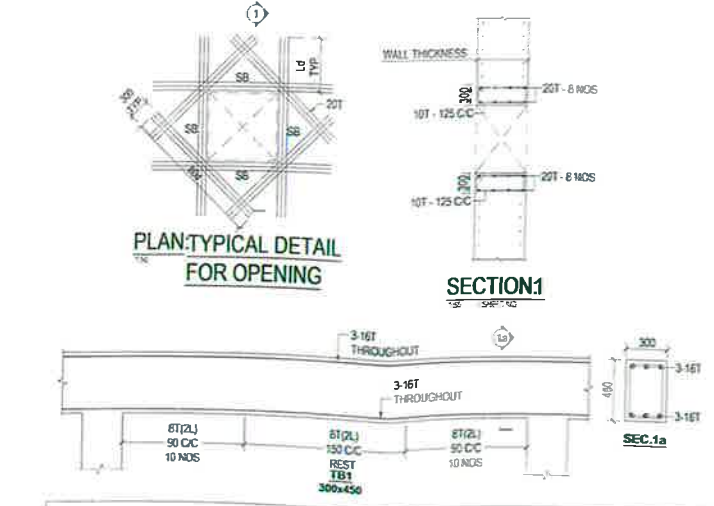
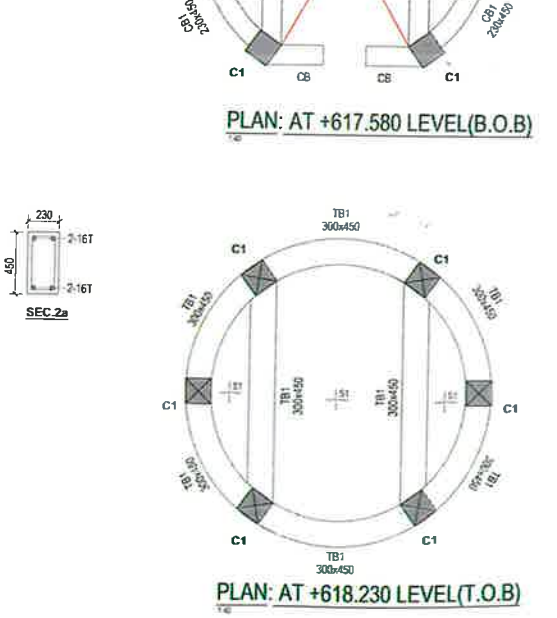
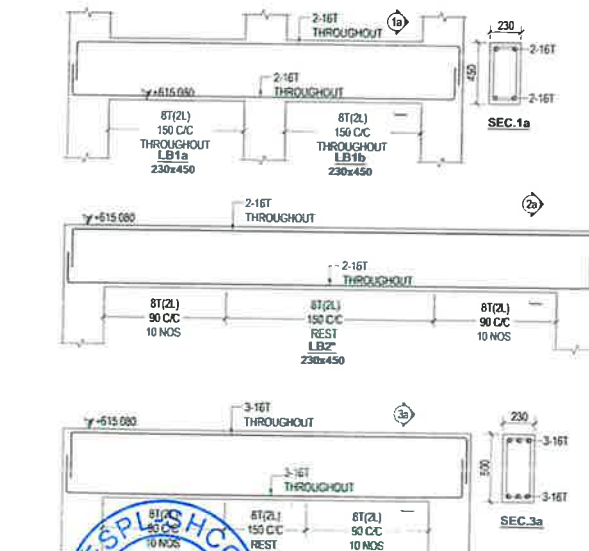
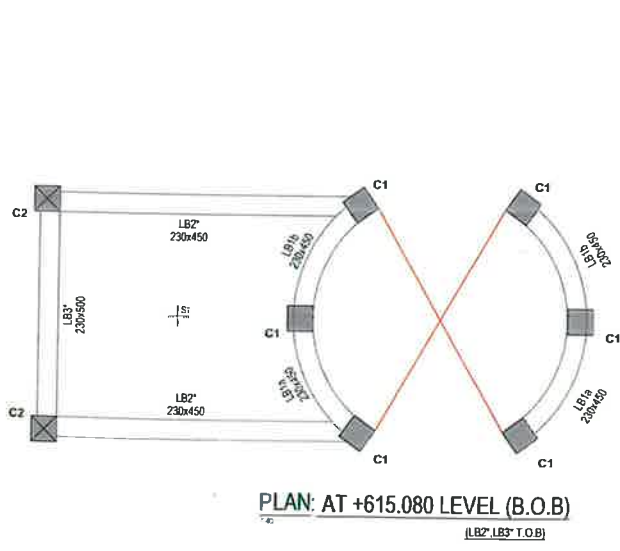
- FOR OPENING SIZE REFER GAD DRAWINGS
- GENERAL NOTES:**
- ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN M.
 - ALL CONCRETE MIX FOR R.C.C. SHALL BE M30 UP TO PLINTH LVL. & ABOVE PLINTH M25 UNLESS SPECIFIED AND P.C.C. M15.
 - 'T' INDICATES TYPICAL GRADE H.Y.S.D./TMT BARS CONFORMING TO IS:1786-2008.
 - NOMINAL CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS: FOUNDATION RAFT - 50 mm, COLUMN - 40 mm, R.C. WALL - 45 mm, BEAM - 25 mm AND SLAB - 20 mm.
 - ALL CONCRETE SHALL BE MACHINE MIXED AND MACHINE VIBRATED.
 - STEEL CHAIRS SHALL BE PROVIDED TO KEEP TOP STEEL IN PROPER POSITION.
 - ALL DIMENSIONS AND LEVELS SHALL BE VERIFIED AS PER GAD OR ARCHITECTURE DRAWINGS. IF ANY AMBIGUITY FOUND IT SHALL BE BROUGHT TO THE NOTICE BEFORE EXECUTION.
 - DEVELOPMENT LENGTH SHALL BE NOT LESS THAN 50 TIMES THE DIAMETER.
 - CURING OF CONCRETE MEMBERS SHALL BE CARRIED OUT FOR A MINIMUM PERIOD OF 14 DAYS FROM CASTING.
 - SOIL BEARING CAPACITY IS CONSIDERED AS 120 kN/m² AT THE FOUNDATION LEVEL. AS PER SOIL REPORT NO. -
 - IS 3764:1992 SHALL BE FOLLOWED AS A SAFETY CODE FOR EXCAVATION WORK.
 - IF THE WATER TABLE IS ENCOUNTERED AT THE FOUNDATION LEVEL A SUITABLE DEWATERING TECHNIQUE SHOULD BE USED FOR CONSTRUCTION.
 - TEMPORARY PIPE SLEEVES TO BE LEFT IN RAFT, FOR RELEASE OF WATER PRESSURE. NUMBERS OF PIPE TO BE JUSTIFIED AS PER THE WATER ACCUMULATION AROUND THE STRUCTURE. SAME TO BE PIPE TO BE REMOVED AND FILLED WITH GROUTING MATERIAL AFTER CONSTRUCTION OF SUPER STRUCTURE.

TYPES OF FORMWORK	MINIMUM PERIOD BEFORE STRIKING FORMWORK
1. VERTICAL FORMWORK TO COLUMNS, WALLS, BEAMS	16-24 HOURS
2. SOFFIT FORMWORK TO SLABS (PROPS TO BE REMOVED IMMEDIATELY AFTER REMOVAL OF FORMWORK)	3 DAYS
3. SOFFIT FORMWORK TO BEAMS (PROPS TO BE REMOVED IMMEDIATELY AFTER REMOVAL OF FORMWORK)	7 DAYS
PROPS TO SLABS	
4. (1) SPANNING UP TO 4.5 M	7 DAYS
(2) SPANNING OVER TO 4.5 M	14 DAYS
PROPS TO BEAMS AND ARCHES	
5. (1) SPANNING UP TO 6 M	14 DAYS
(2) SPANNING OVER TO 6 M	21 DAYS

SR.NO.	DRAWING NUMBER	DATE
1		
2		

CLIENT NAME	
REVISION	
DATE	25-12-2024

3.00 M DIA WET WELL AT KARNATAKA	
S.01.01	R01
DATE	25-12-2024



SLAB ID	THK	MAIN REINFORCEMENT BOTTOM JALI	MAIN REINFORCEMENT TOP JALI	REMARKS
S1	150	along B: ET @ 150 C/C STRAIGHT along L: ET @ 150 C/C STRAIGHT	along B: ET @ 150 C/C STRAIGHT along L: ET @ 150 C/C STRAIGHT	BOTHWAY / BOTHFACE JALI

