

J.B
Eric Bailhongel

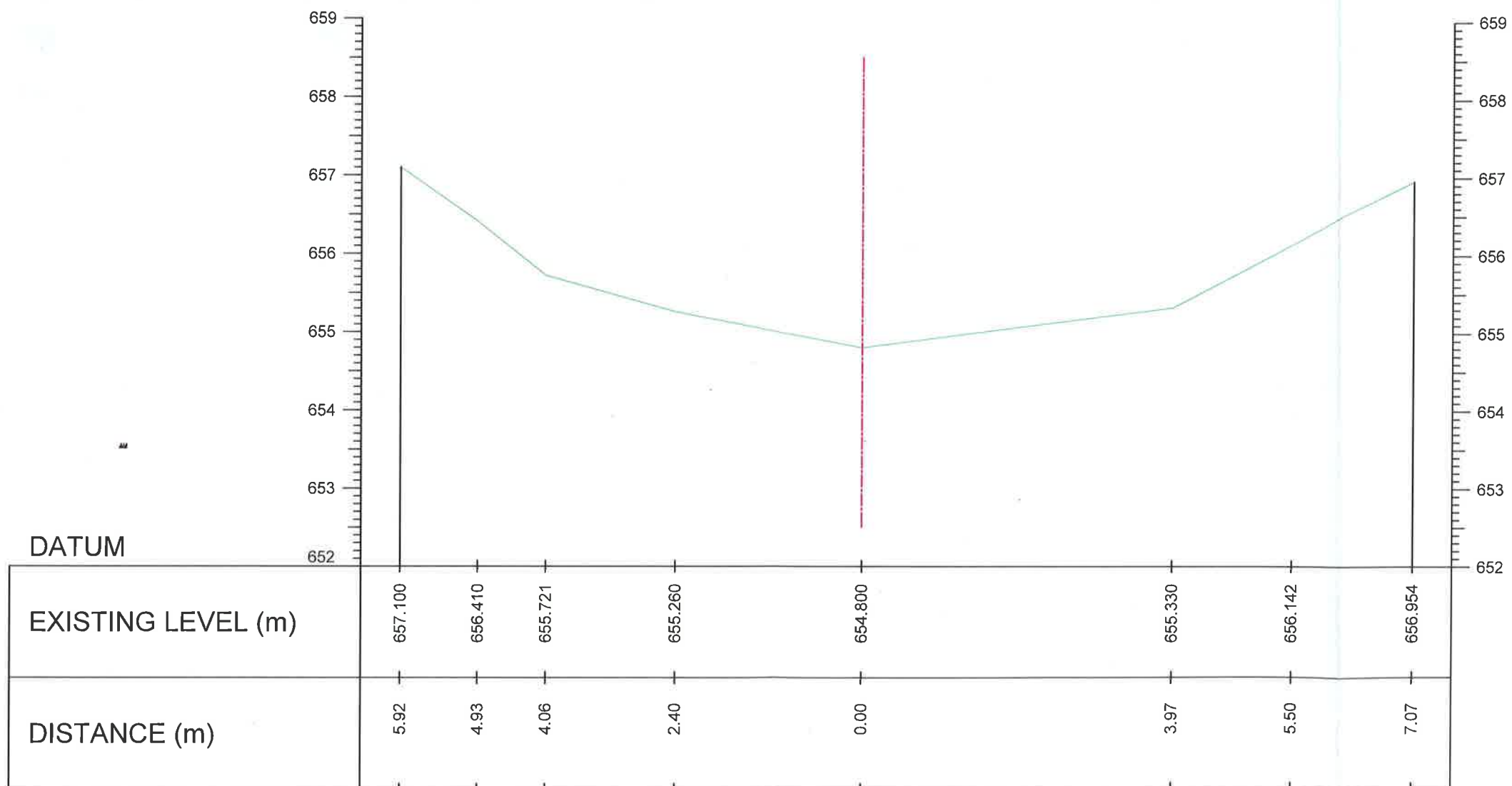
LEGEND:-

-  - PUMPING MAIN
-  - STP

[Signature]
ASSISTANT EXECUTIVE ENGINEER
Dist. Urban Development Cell
Dy. Commissioner Office, Belagavi

[Signature]
EXECUTIVE ENGINEER
District Urban Development Cell
Dy. Commissioner Office, Belagavi

REFERENCE DRAWINGS				CONSULTANT:					
SR.NO	DRG/DOC. NO.	REV NO.	TITLE	GREEN DESIGN & ENGINEERING SERVICES PVT.LTD					
				CLIENT :					
				GOVERNMENT OF KARNATAKA URBAN DEVELOPMENT DEPARTMENT				SHEET SIZE : A3	
				PROJECT TITLE :		DRN.	CHK.	APP.	DATE
				SBM 2.0 INTERCEPTION & DIVERSION WORKS					
				DRAWING TITLE :		SCALE		DRAWING NUMBER	
				PUMPING MAIN LAYOUT AT BAILAHONGAL (BELAGAVI DISTRICT)		F.T.S		1488001/DMA/SWM/SB2/312/2024.BAIL/BELA/I&D/001	
				AS SHOWN					



0+000.00

JE
CNC Bailhongal

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.

ASSISTANT EXECUTIVE ENGINEER
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Dy. Commissioner Office, Belagavi

EXECUTIVE ENGINEER
District Urban Development Cell
Dy. Commissioner Office, Belagavi

REFERENCE DRAWINGS				CONSULTANT: GREEN DESIGN & ENGINEERING SERVICES PVT.LTD						
SR.NO	DRG/DOC. NO.	REV NO.	TITLE	CLIENT : GOVERNMENT OF KARNATAKA URBAN DEVELOPMENT DEPARTMENT				SHEET SIZE : A3		
				PROJECT TITLE : SBM 2.0 INTERCEPTION & DIVERSION WORKS		DRN.	CHK.	APP.	DATE	REV
				DRAWING TITLE : LONGITUDINAL SECTION OF PUMPING MAIN ALIGNMENT AT BAILAHONGAL (BELAGAVI DISTRICT)		SB SCALE F.T.S	DRAWING NUMBER			
						AS SHOWN	1468001/DMA/SWM/SB2/312/ 2024.BAIL/BELA/1&D/003			

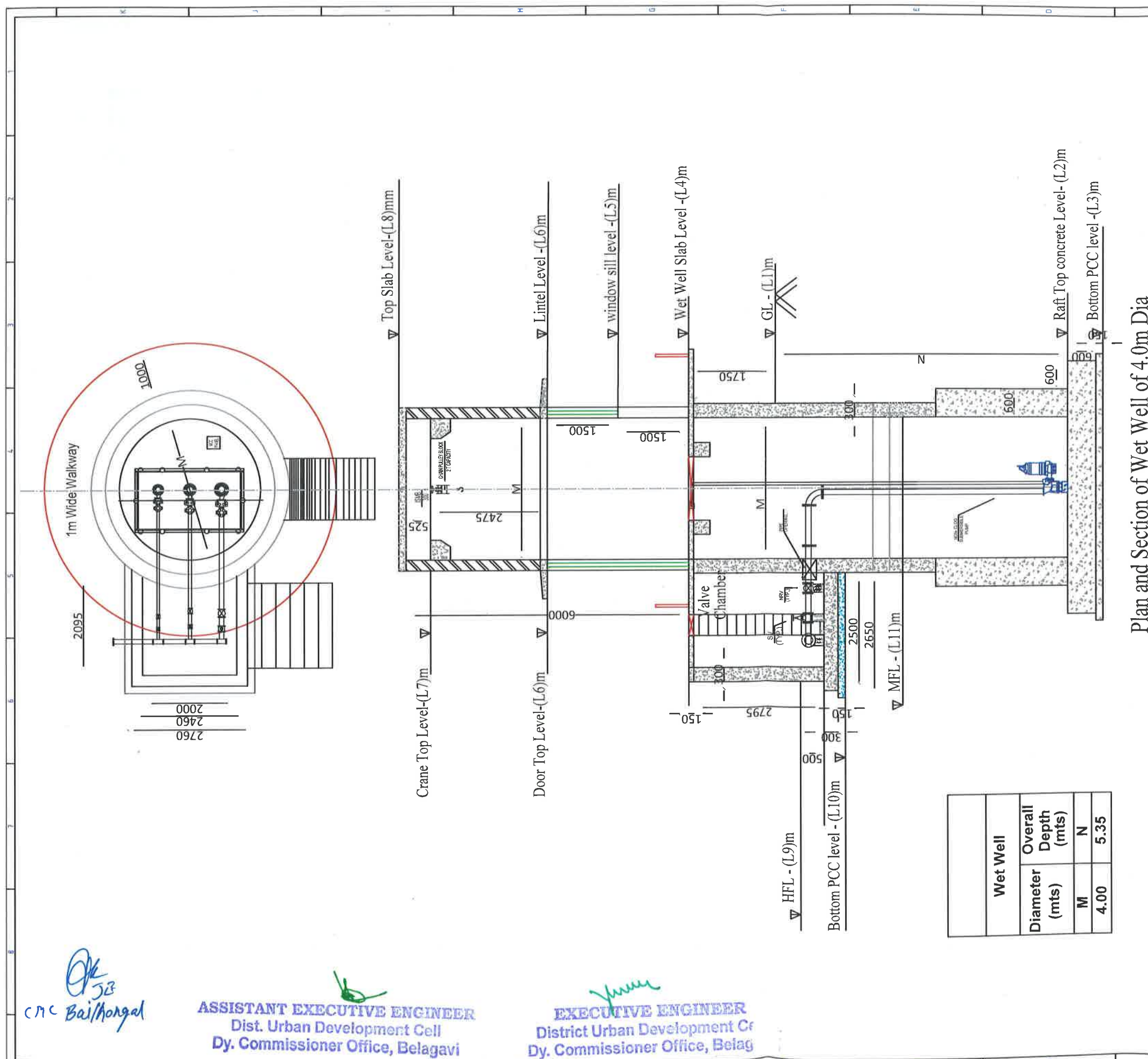


I&D Module Sizing

I&D Module Sizing													
S.No.	Flow [MLD] [Average]	Modified Channel			Wing Wall	Diversion Channel			Inlet Chamber			Gravity Pipe from I&D to Wet Well	
		Width (mts)	Length (mts)	Depth (mts)	Length (mts)	Width (mts)	Length (mts)	Depth (mts)	Width (mts)	Length (mts)	Depth (mts)	Length (mts)	Diameter (mm)
1	4.94	A	B	C	D	E	F	G	H	I	J	K	L
		9.00	4.00	0.40	2.00	0.95	3.00	0.35	2.20	2.20	1.00	20.00	600

EXECUTIVE ENGINEER
District Urban Development Cell
Dy. Commissioner Office, Belagavi

CONSULTANT:		GREEN DESIGN & ENGINEERING SERVICES PVT.LTD				
CLIENT :		GOVERNMENT OF KARNATAKA URBAN DEVELOPMENT DEPARTMENT			SHEET SIZE : A3	
PROJECT TITLE :		DRN.	CHK.	APP.	DATE	REV
SBM 2.0 INTERCEPTION & DIVERSION WORKS						
DRAWING TITLE :		SH SCALE 1:1	DRAWING NUMBER			
INTERCEPTION & DIVERSION LAYOUT AT BAILAHONGAL (BELAGAVI DISTRICT)		AS SHOWN	1468001/DMA/SWM/SB2/312/ 2024.BAIL/BELA/&D/003			



Plan and Section of Wet Well of 4.0m Dia

Wet Well											
S.No.	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11
1	654.997 (m)	649.985 (m)	649.685 (m)	658.247 (m)	658.247 (m)	659.747 (m)	662.222 (m)	662.897 (m)	653.352 (m)	654.302 (m)	653.185 (m)

OK 58
C.M. Bai/Mongal

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Dy. Commissioner Office, Belagavi

EXECUTIVE ENGINEER
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Dy. Commissioner Office, Belagavi

NOTES :
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THE STRUCTURAL DRAWINGS SHALL BE REFERRED FOR ACTUALS.

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

CONSULTANT:
GREEN DESIGN & ENGINEERING SERVICES PVT.LTD

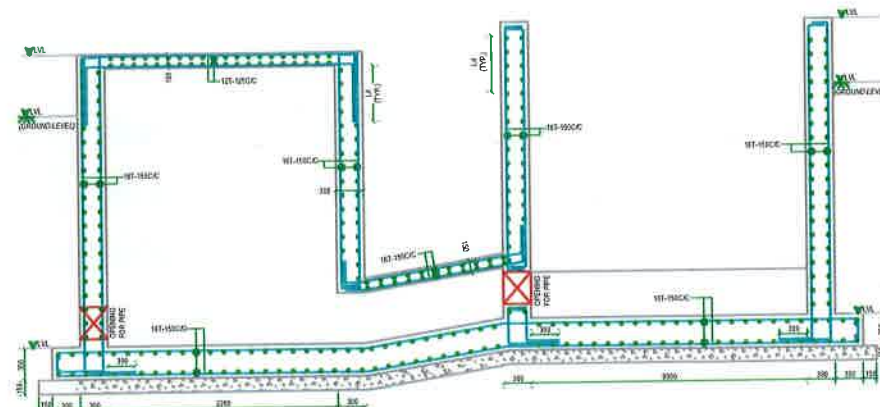
CLIENT :
GOVERNMENT OF KARNATAKA URBAN DEVELOPMENT DEPARTMENT

PROJECT TITLE :
SDM 2.0 INTERCEPTION & DIVERSION WORKS

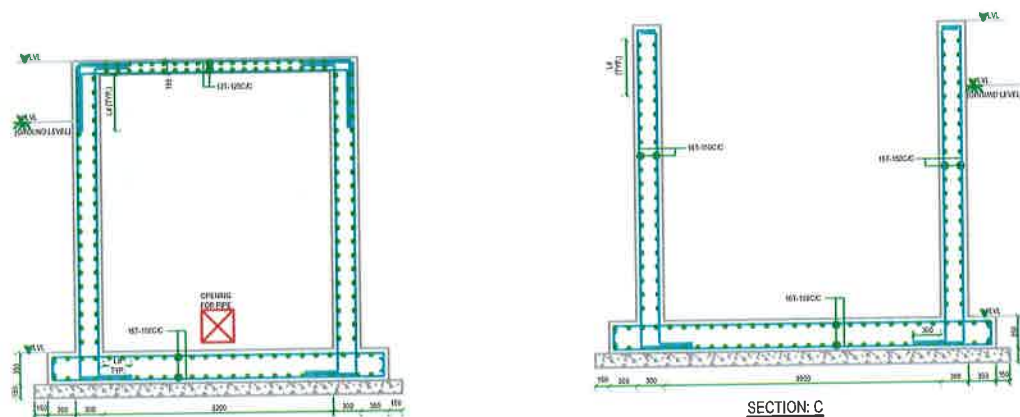
DRAWING TITLE :
PLAN AND SECTION OF WET WELL OF 4.0m DIA LAYOUT AT BAILAHONGAL (BELAGAVI DISTRICT)

DRN.	CHK.	APP.	DATE	REV

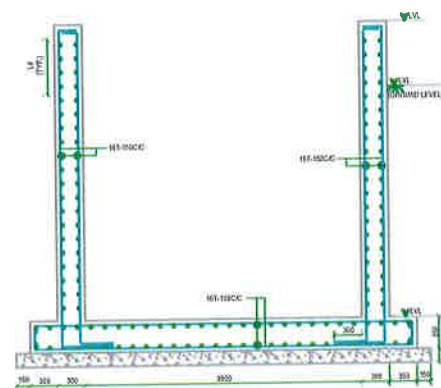
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DRAWING NUMBER
1468001/DMA/SWM/SB2/312/
2024.BAL/BELA/1&D/004



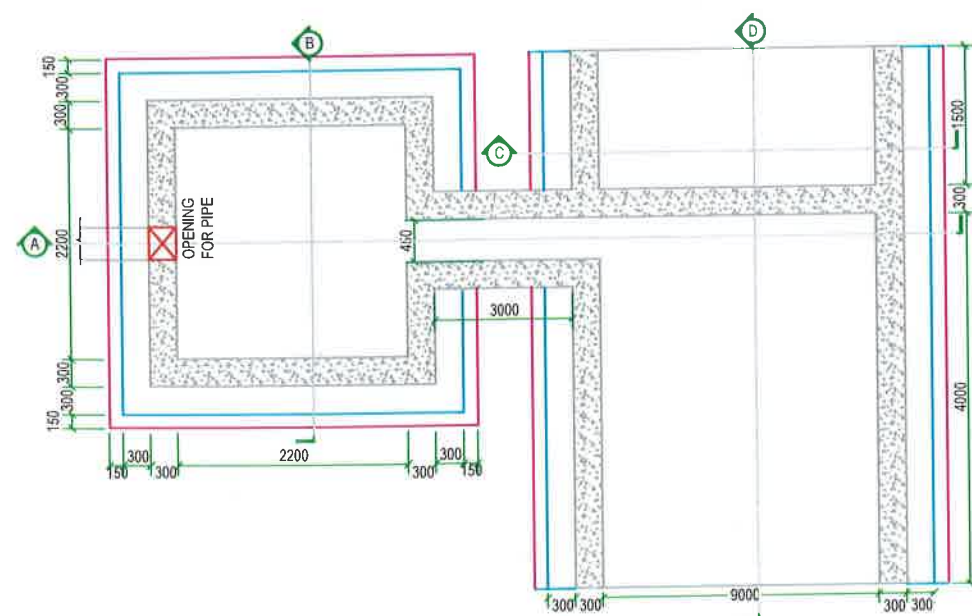
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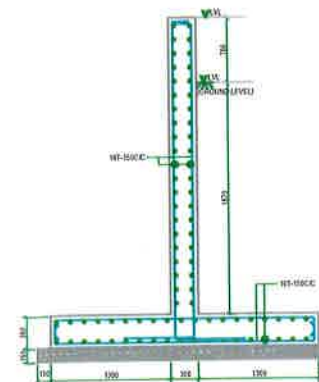
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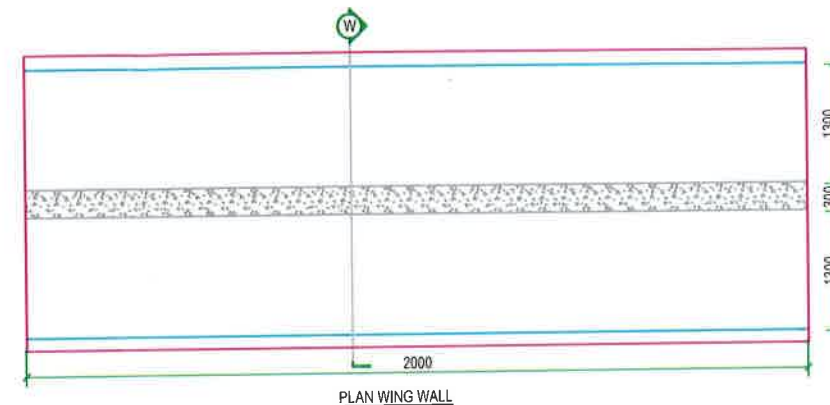
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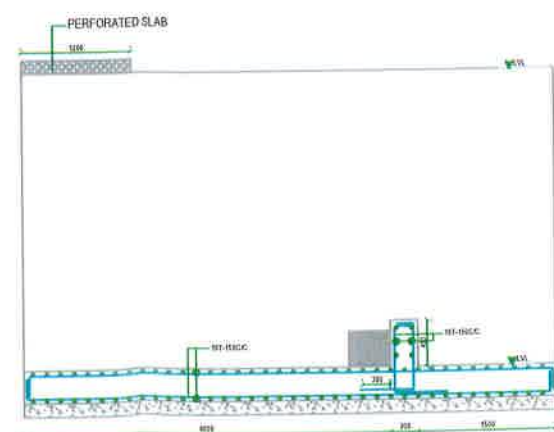
PLAN:



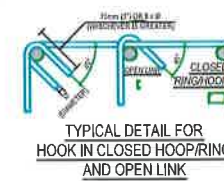
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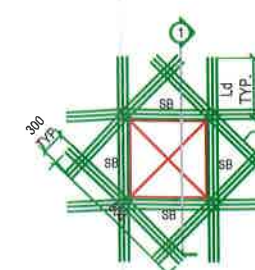
PLAN WING WALL



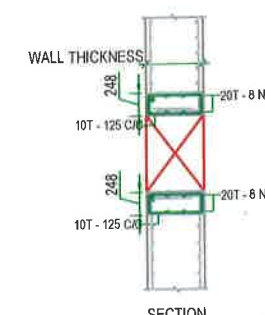
SECTION: D



TYPICAL DETAIL FOR HOOK IN CLOSED HOOP/RING AND OPEN LINK



PLAN TYPICAL DETAIL FOR OPENING



SECTION

10T 12T 16T 20T 25T 32T

FOR OPENING SIZE REFER GAD DRAWINGS.

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN
2. ALL CONCRETE MIX FOR R.C.C. SHALL BE M30 UP TO PLINTH LVL. & ABOVE PLINTH M25 UNLESS SPECIFIED AND P.C.C. M15
3. 'T' INDICATES Fe500 GRADE H.Y.S.D./TMT BARS CONFIRMING TO IS:1786-2008
4. NOMINAL/CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWING; FOUNDATION/RAFT : 50 mm , COLUMN : 40 mm , RC WALL : 45 mm , BEAM : 25 mm AND SLAB : 20 mm
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 OR ARCHITECTURE DRAWINGS. IF ANY AMBIGUITY FOUND IT SHALL BE BROUGHT TO THE NOTICE BEFORE EXECUTION.
8. DEVELOPMENT/LAP LENGTH SHALL BE NOT LESS THAN 50 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 REPORT NO. ---
11. IS 3764-1992 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.
13. 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.

CONSULTANT:

GREEN DESIGN & ENGINEERING SERVICES PVT.LTD

CLIENT :

GOVERNMENT OF KARNATAKA URBAN DEVELOPMENT DEPARTMENT

SHEET SIZE : A2

PROJECT TITLE :

SBM 2.0 INTERCEPTION & DIVERSION WORKS

DRN. CHK. APP. DATE REV

DRAWING TITLE :

STRUCTURAL DETAIL I & D BAILAHONGAL (BELAGAVI DISTRICT)

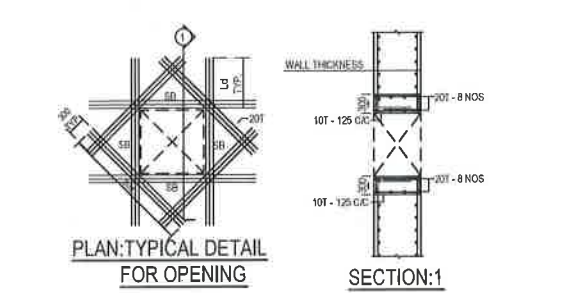
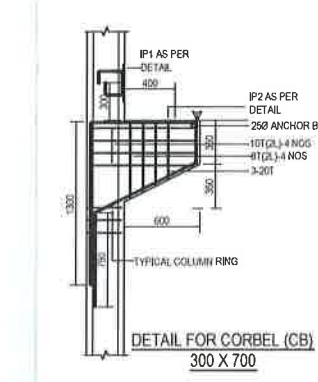
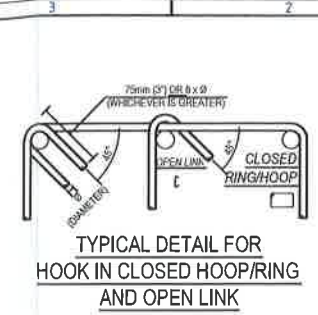
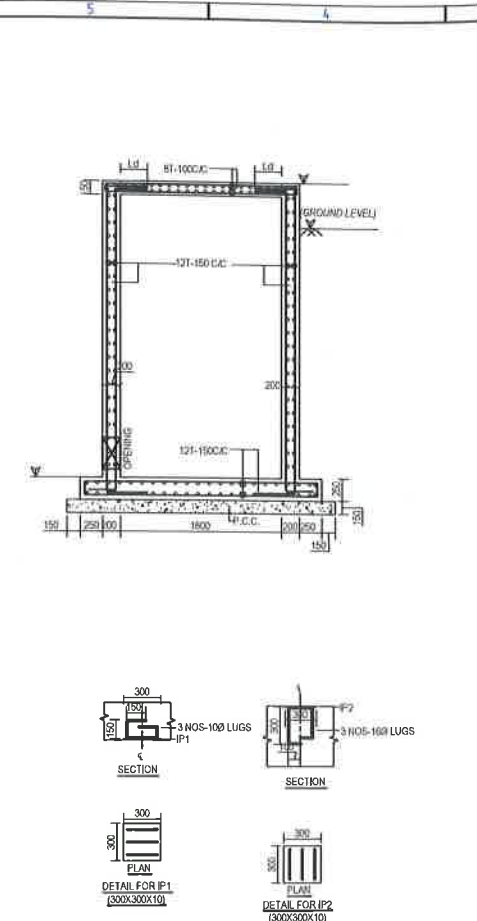
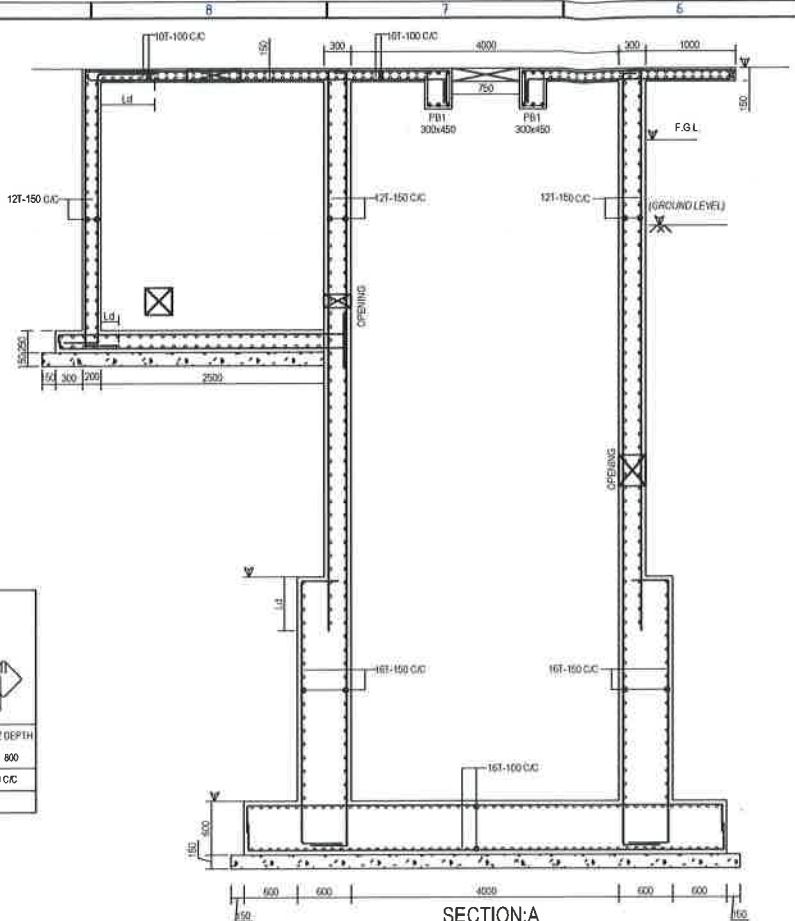
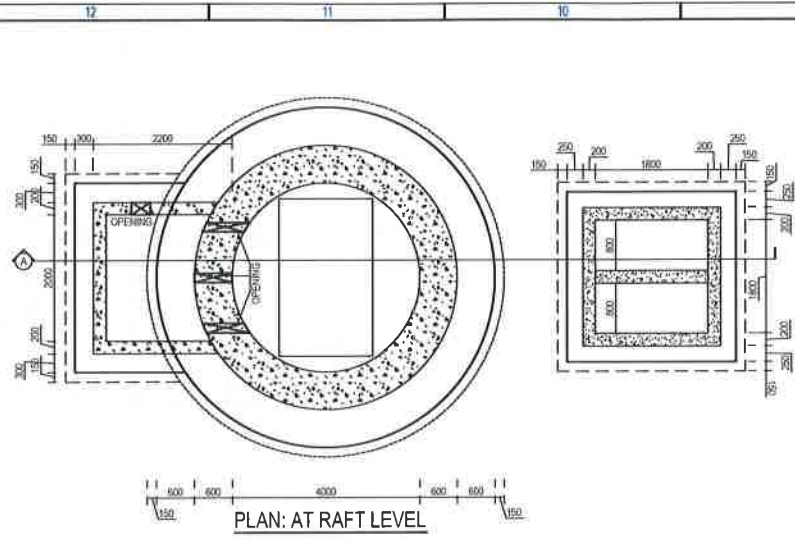
DRAWING NUMBER 1468001/DMA/SWM/SB2/312/2024 BAIL/BELA/1&D/005

CMC Bailahongal

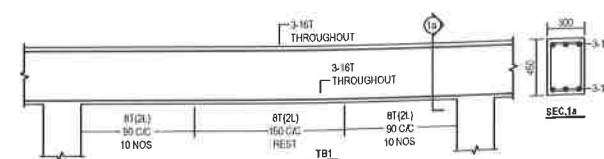
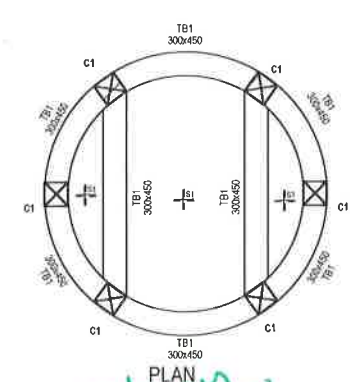
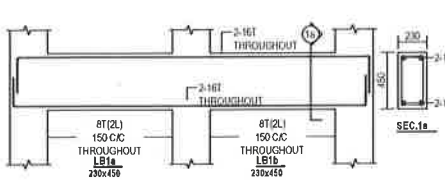
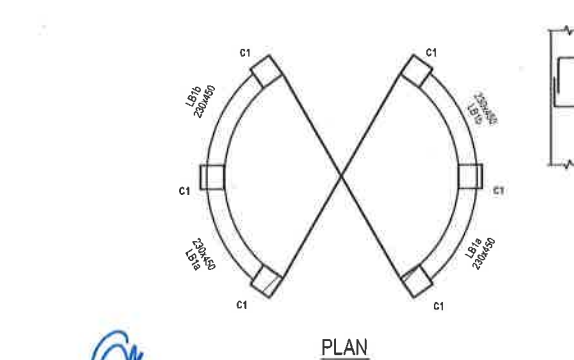
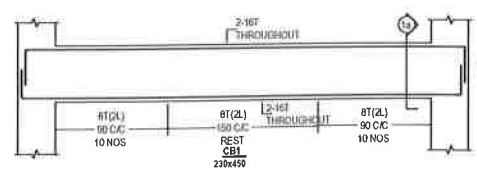
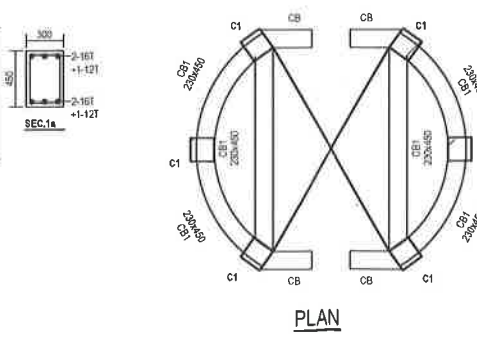
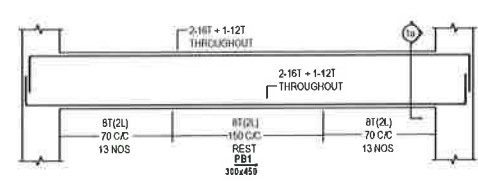
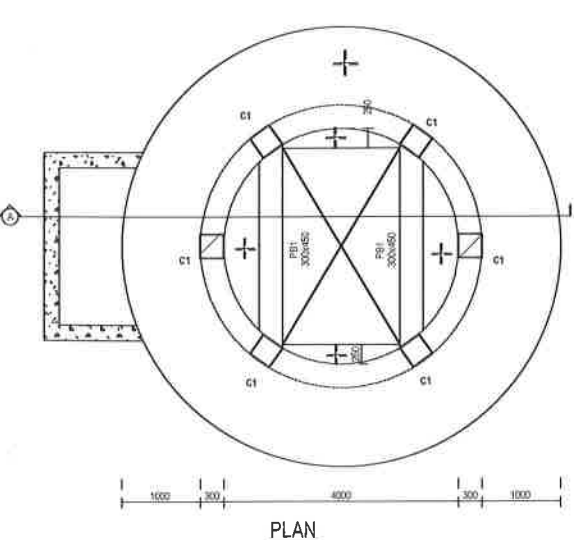
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Dy. Commissioner Office, Belagavi

EXECUTIVE ENGINEER
District Urban Development
Dy. Commissioner Office,

Belagavi



START LEVEL	TO	GB/PB LEVEL
MAIN STEEL	8-16T	CZ DEPTH
TRANSVERSE STEEL	10T-125 C/C	800
COLUMN ID	C1	



SLAB ID	THK.	MAIN REINFORCEMENT	BOTTOM JALI MAIN REINFORCEMENT	TOP JALI REMARKS	BOTHWAY / BOTHFACE JALI
S1	150	along B: 8T @ 150 CC STRAIGHT	along B: 8T @ 150 CC STRAIGHT	along L: 8T @ 150 CC STRAIGHT	
		along L: 8T @ 150 CC STRAIGHT			

FOR OPENING SIZE REFER GAD DAWINGS.

- GENERAL NOTES:**
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GREEN DESIGN & ENGINEERING SERVICES PVT.LTD

CLIENT :		GOVERNMENT OF KARNATAKA URBAN DEVELOPMENT DEPARTMENT		SHEET SIZE : A3	
PROJECT TITLE :		SBM 2.0 INTERCEPTION & DIVERSION WORKS		DATE : 24.11.2025	
DRAWING TITLE :		STRUCTURAL DETAIL 4.00M DIA WET WELL BAHALHONGAL (BELAGAVI DISTRICT)		REV : R1	
DRN.		CHK.	APP.	DATE	REV
SH.SCALE F.T.S.		DRAWING NUMBER		1468001/DMA/SWM/SB2/312/2024.Bahalhongal/BELA/1&D/008	

CMC Bailhongal

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EXECUTIVE ENGINEER
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