

12

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

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

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.

LEGEND:-

- PUMPING MAIN
- STP

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

R1

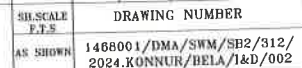
DRAWING NUMBER

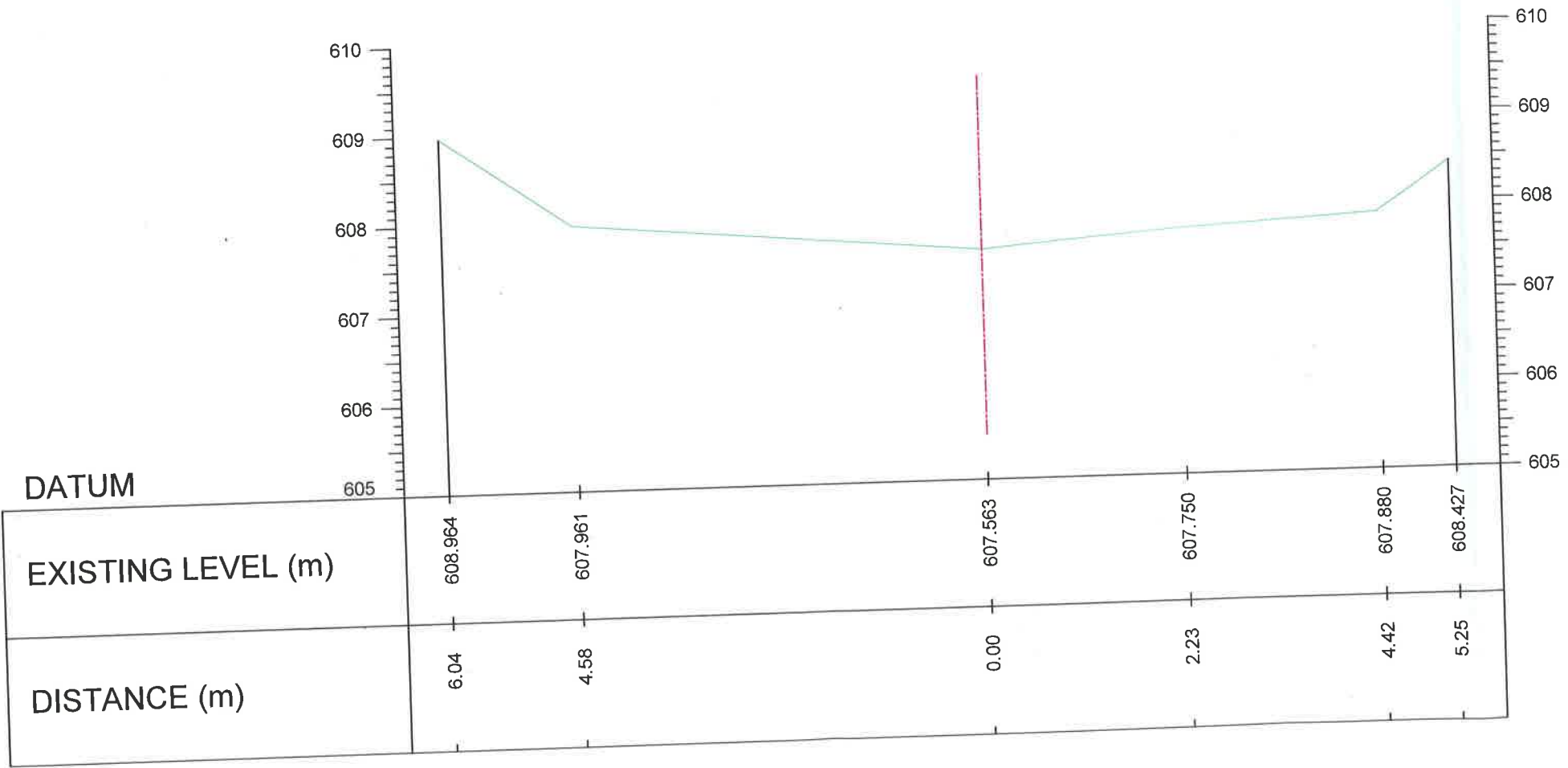
1468001/DMA/SBM/SB2/S12/
2024.KONNUR/BELA/1&D/001

DRAWING TITLE :
PUMPING MAIN LAYOUT AT KONNUR
(BELAGAVI DISTRICT)

SCALE
P.T.S

AS SHOWN





0+000.00

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

- NOTES :
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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 :				SHEET SIZE : A3	
				GOVERNMENT OF KARNATAKA URBAN DEVELOPMENT DEPARTMENT					
				PROJECT TITLE :		DRN.	CHK.	APP.	DATE
				SBM 2.0 INTERCEPTION & DIVERSION WORKS					REV
				DRAWING TITLE :		DRA. SCALE		DRAWING NUMBER	
				CROSS SECTION OF I&D AT KONNUR (BELAGAVI DISTRICT)		F.T.S		146B001/DMA/SWM/SB2/312/2024.KONNUR/BELA/I&D/003	
						AS SHOWN			

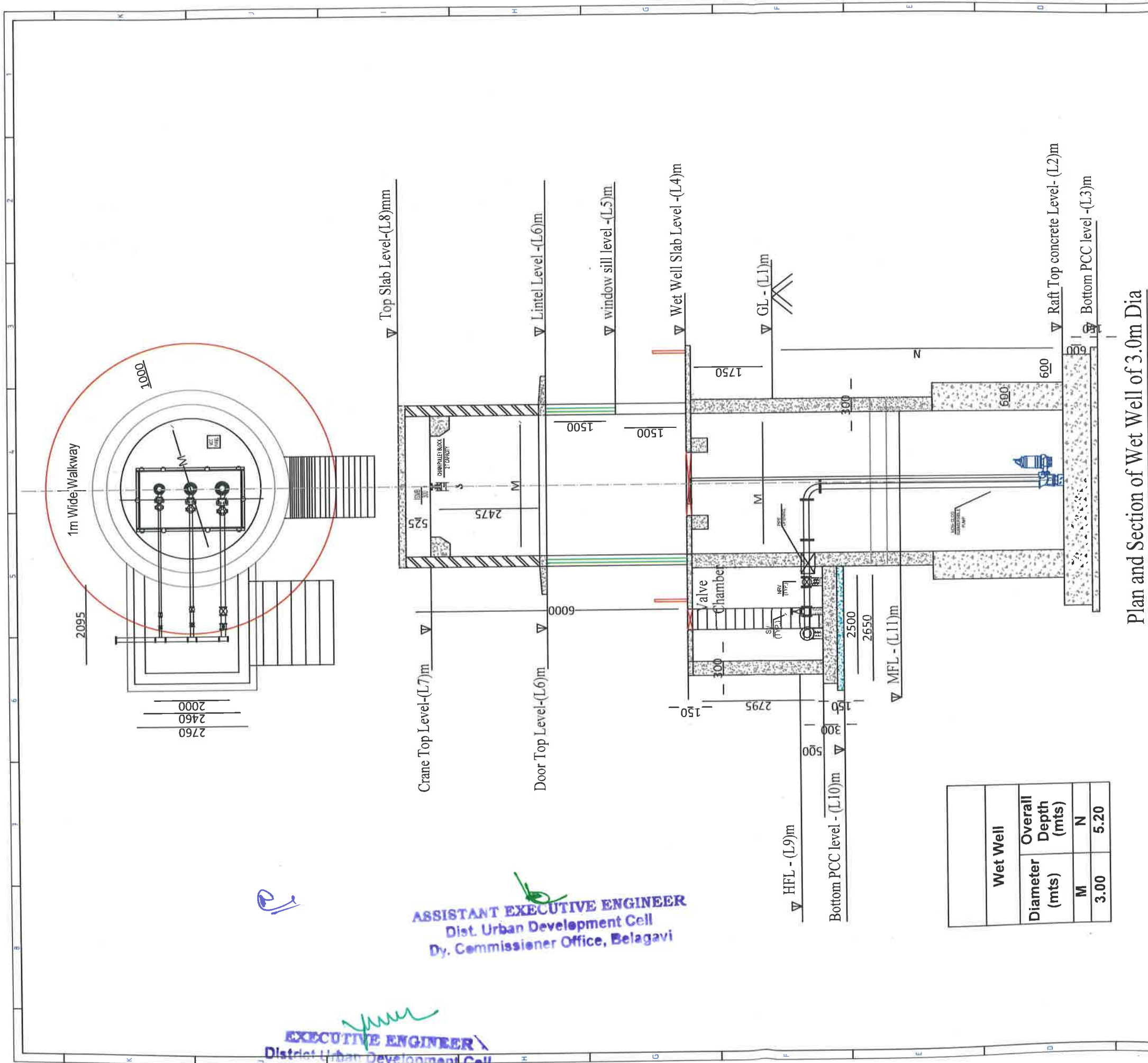


S.No.	Modified Channel				Inlet Chamber			
1	L1	L2	L3	L4	L5	L6	L7	L8
	607.541 (m)	606.631 (m)	608.241 (m)	607.281 (m)	606.121 (m)	606.531 (m)	607.181 (m)	608.39 (m)

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)
		A	B	C	D	E	F	G	H	I	J	K	L
1	1.73	9.00	4.00	0.65	1.00	0.45	3.00	0.60	1.50	1.50	0.91	20.00	400

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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 :			DRN.	CHK.	APP.	DATE	REV
				SBM 2.0 INTERCEPTION & DIVERSION WORKS						24.11.2025	R1
				DRAWING TITLE :			SH.SCALE P.T.S		DRAWING NUMBER		
				INTERCEPTION & DIVERSION LAYOUT AT KONNUR (BELAGAVI DISTRICT)			AS SHOWN	1468001/DMA/SWM/SB2/312/ 2024.KONNUR/BELA/1&D/003			



Plan and Section of Wet Well of 3.0m Dia

Wet Well		
Diameter (mts)	Overall Depth (mts)	
M	N	
3.00	5.20	

Wet Well											
S.No.	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11
1	607.541 (m)	602.690 (m)	602.390 (m)	609.291 (m)	610.791 (m)	612.291 (m)	614.766 (m)	615.441 (m)	606.846 (m)	605.896 (m)	605.890 (m)

NOTES:-
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CONSULTANT: GREEN DESIGN & ENGINEERING SERVICES PVT.LTD

CLIENT: GOVERNMENT OF KARNATAKA URBAN DEVELOPMENT DEPARTMENT

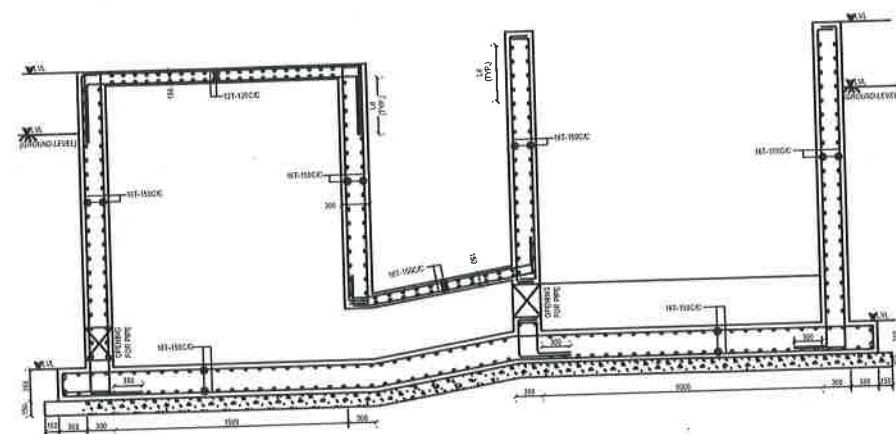
PROJECT TITLE: SBM 2.0 INTERCEPTION & DIVERSION WORKS

DRAWING TITLE: PLAN AND SECTION OF WET WELL OF 3.0M DIA LAYOUT AT KONNUR (BELAGAVI DISTRICT)

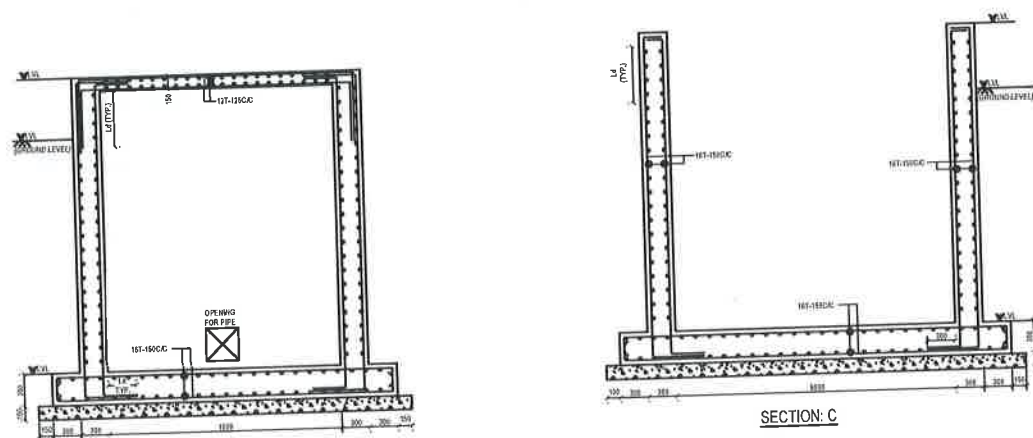
SHEET SIZE : A3

DRN.	CHK.	APP.	DATE	REV.
			24.11.2025	R1

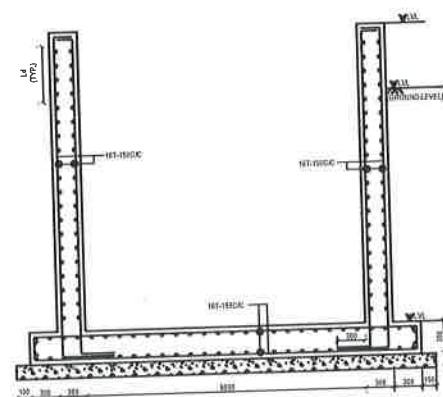
1460001/DMA/STW/SB2/312/2024 KONNUR/BELA/T&D/004



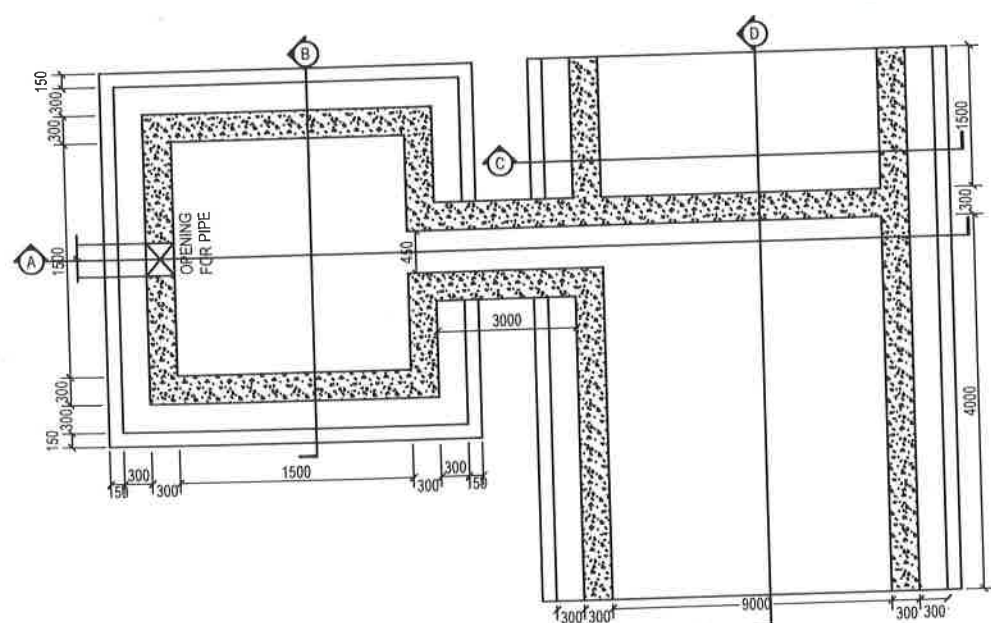
SECTION: A



SECTION: B

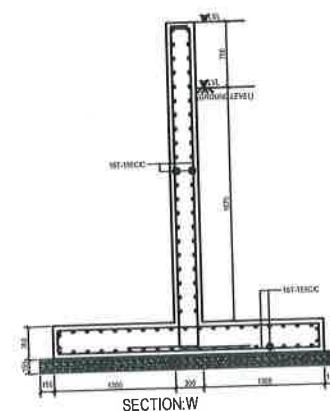


SECTION: C

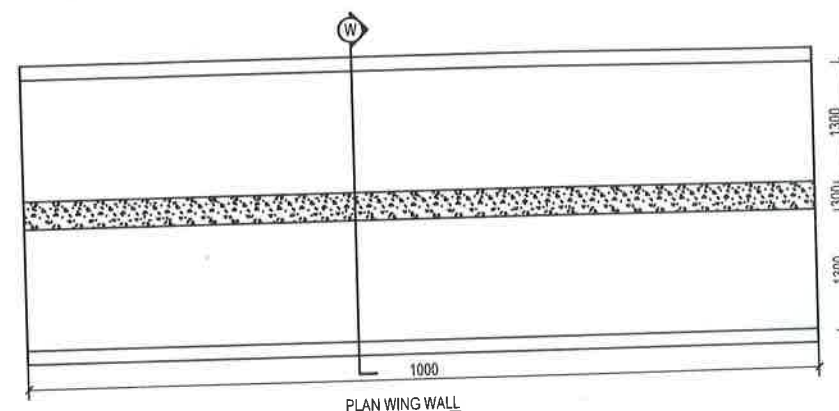


PLAN:

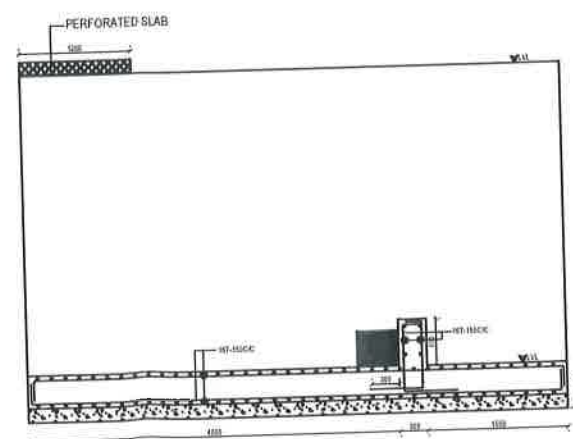
ASSISTANT EXECUTIVE ENGINEER
Dist. Urban Development Cell
Dist. Commissioner Office, Belagavi



SECTION: W



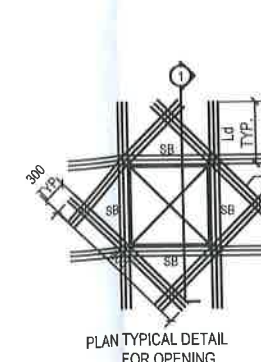
PLAN WING WALL



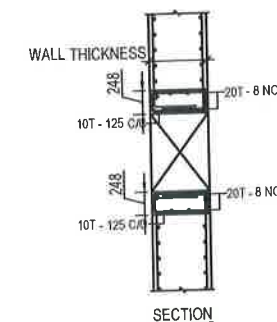
SECTION: D



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:

- ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN M30 UP TO PLINTH LVL. & ABOVE PLINTH M25 UNLESS SPECIFIED AND P.C.C. M 15
- 'T' INDICATES Fe500 GRADE H.Y.S.D./TMT BARS CONFIRMING TO IS:1786-2008
- 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
- 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 OR ARCHITECTURE 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 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.

CONSULTANT:

GREEN DESIGN & ENGINEERING SERVICES PVT.LTD

CLIENT :

GOVERNMENT OF KARNATAKA URBAN DEVELOPMENT DEPARTMENT

SHEET SIZE : A2

PROJECT TITLE :

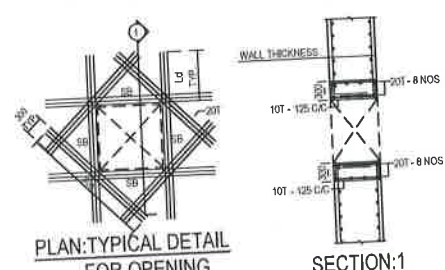
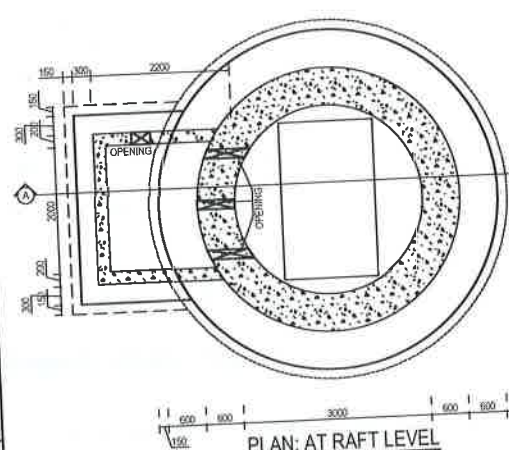
SBM 2.0 INTERCEPTION & DIVERSION WORKS

DRN.	CHK.	APP.	DATE	REV
			24.11.2025	R1

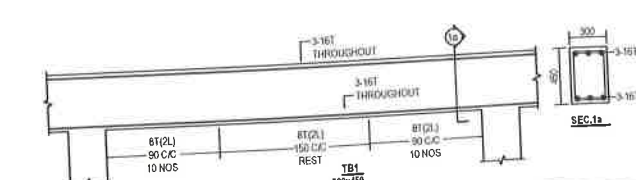
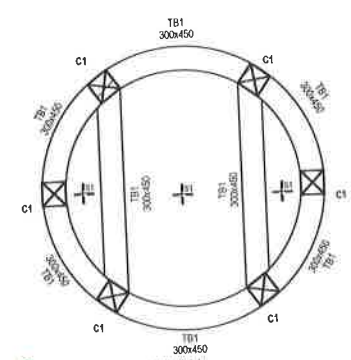
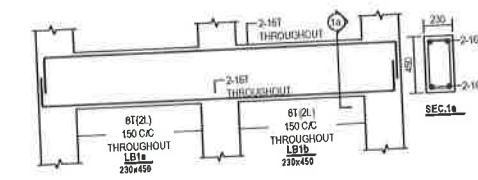
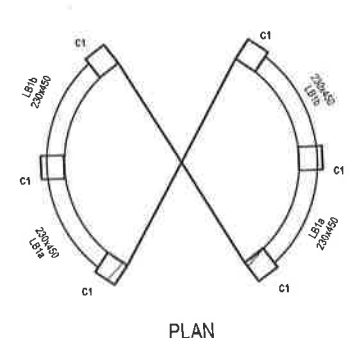
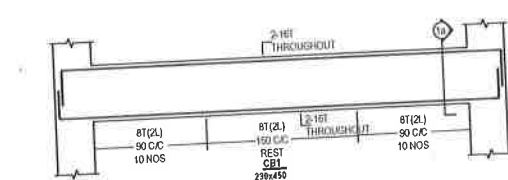
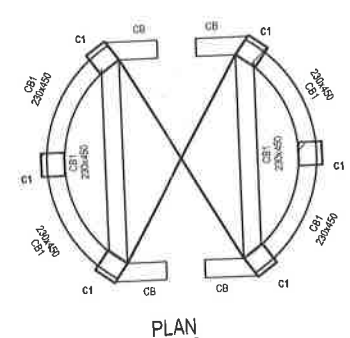
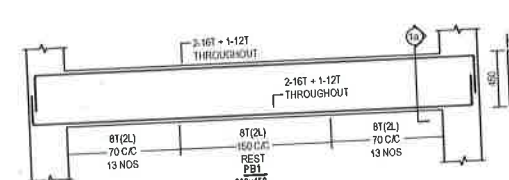
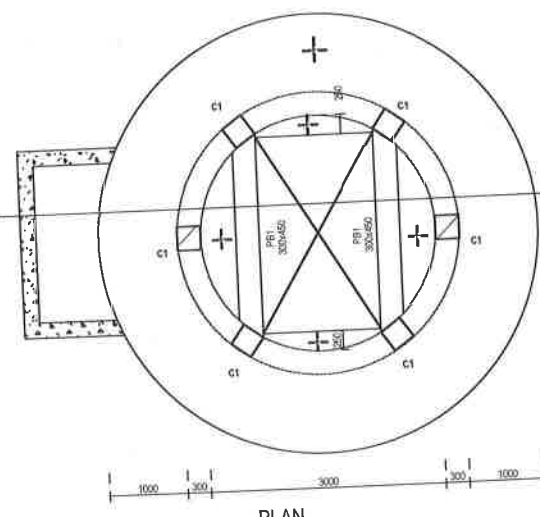
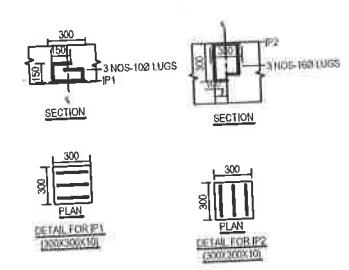
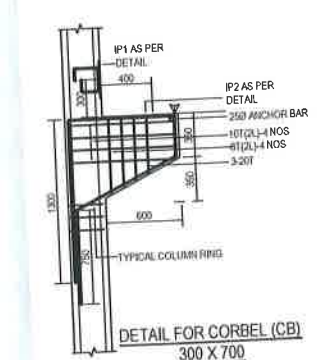
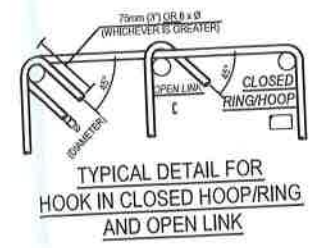
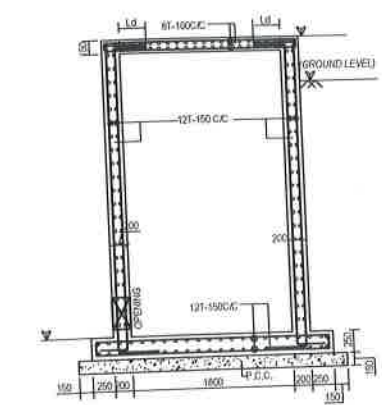
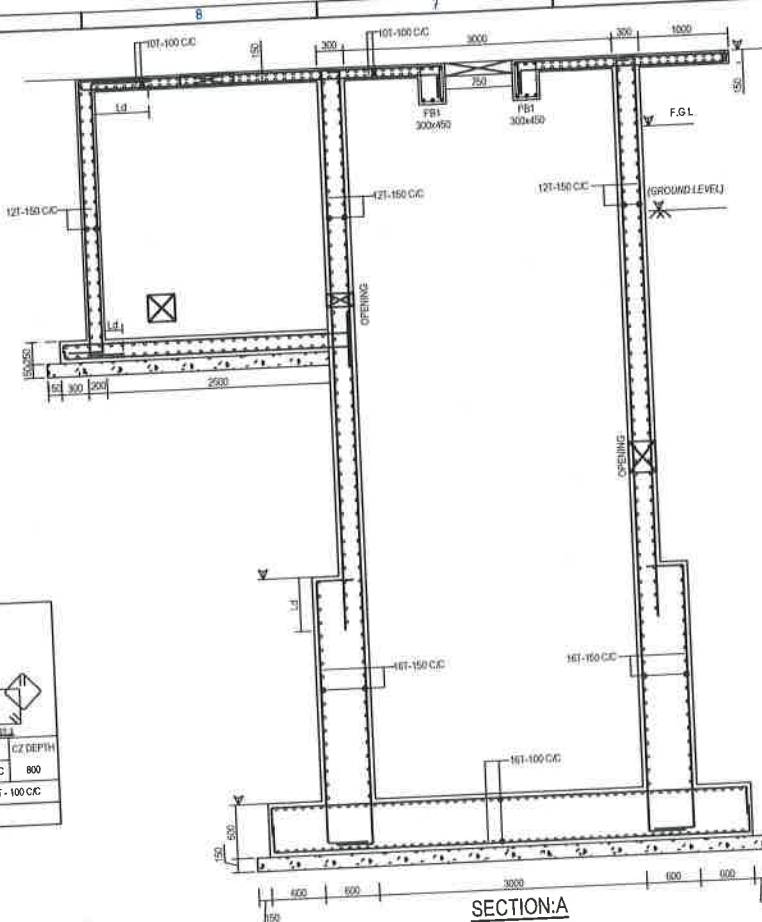
DRAWING TITLE :

STRUCTURAL DETAIL I & D KONNUR (BELAGAVI DISTRICT)

SH. SCALE	DRAWING NUMBER
1:1	1468001/DMA/SWM/SB2/312/2024.KONNUR/BELA/1&D/005



START LEVEL	TO	GB/PB LEVEL
MAIN STEEL	8-16T	CZ DEPTH
TRANSVERSE STEEL	REGULAR ZONE 10T-100 CC	800
COLUMN NO	CONFINED ZONE (CZ)	10T-100 CC
		C1



SLAB ID	TH	C MAIN REINFORCEMENT	BOTTOM JALI MAIN REINFORCEMENT	TOP JALI REMARKS
S1	150	along B 8T @ 150 C/C STRAIGHT	along B 8T @ 150 C/C STRAIGHT	BOTHWAY / BOTHFACE JALI
		along L 8T @ 150 C/C STRAIGHT	along L 8T @ 150 C/C STRAIGHT	

- FOR OPENING SIZE REFER GAD DRAWINGS.
- GENERAL NOTES:**
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 - 'T' INDICATES Fe500 GRADE H.Y.S.D./TMT BARS CONFIRMING TO IS:1786-2008
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CONSULTANT: GREEN DESIGN & ENGINEERING SERVICES PVT.LTD

CLIENT: GOVERNMENT OF KARNATAKA URBAN DEVELOPMENT DEPARTMENT

PROJECT TITLE: SBM 2.0 INTERCEPTION & DIVERSION WORKS

DRAWING TITLE: STRUCTURAL DETAIL 3.00M DIA WET WELL KONNUR (BELAGAVI DISTRICT)

SHEET SIZE: A3

DATE: 24.11.2025

DRAWING NUMBER: 1468001/DMA/SWM/SB2/312/2024.KONNUR/BELA/1&D/008

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