

Length : 3226.00 m
Diameter : 150 mm
Material : Ductile Iron K9

Length : 3226.00 m
Diameter : 150 mm
Material : Ductile Iron K9

Length : 3226.00 m
Diameter : 150 mm
Material : Ductile Iron K9

Length : 3226.00 m
Diameter : 150 mm
Material : Ductile Iron K9

INTERCEPTION AND DIVERSION ALIGNMENT
CHIKODI TMC AT BELAGAVI DISTRICT
KARNATAKA STATE

OUTFALL
Proposed I & D

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

[Signature]
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:-

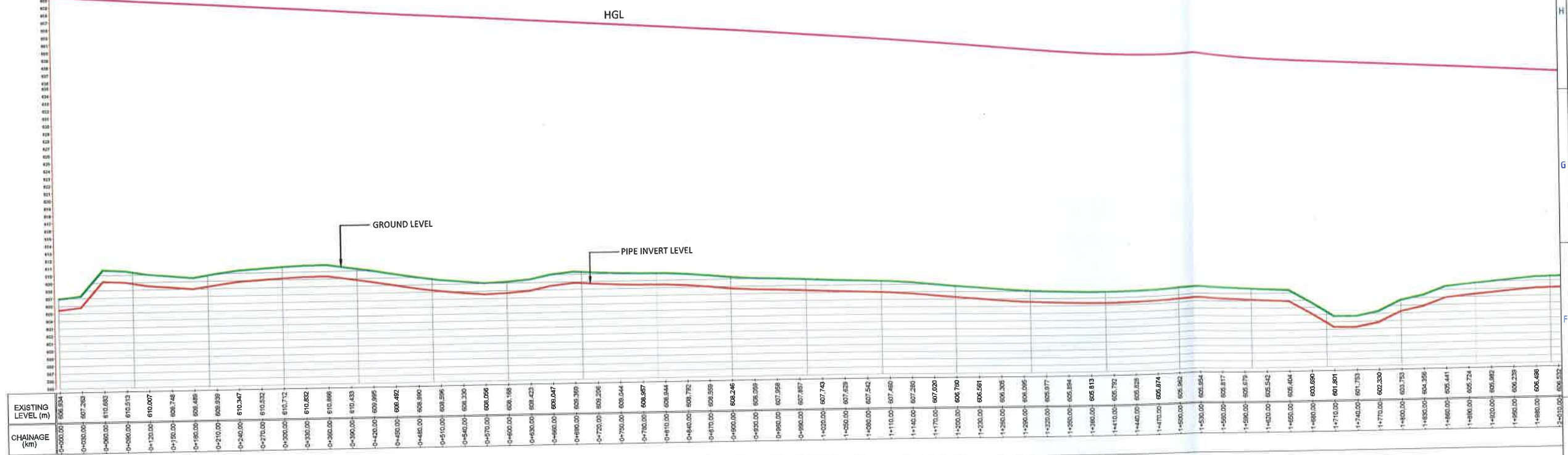
- PUMPING MAIN
- STP

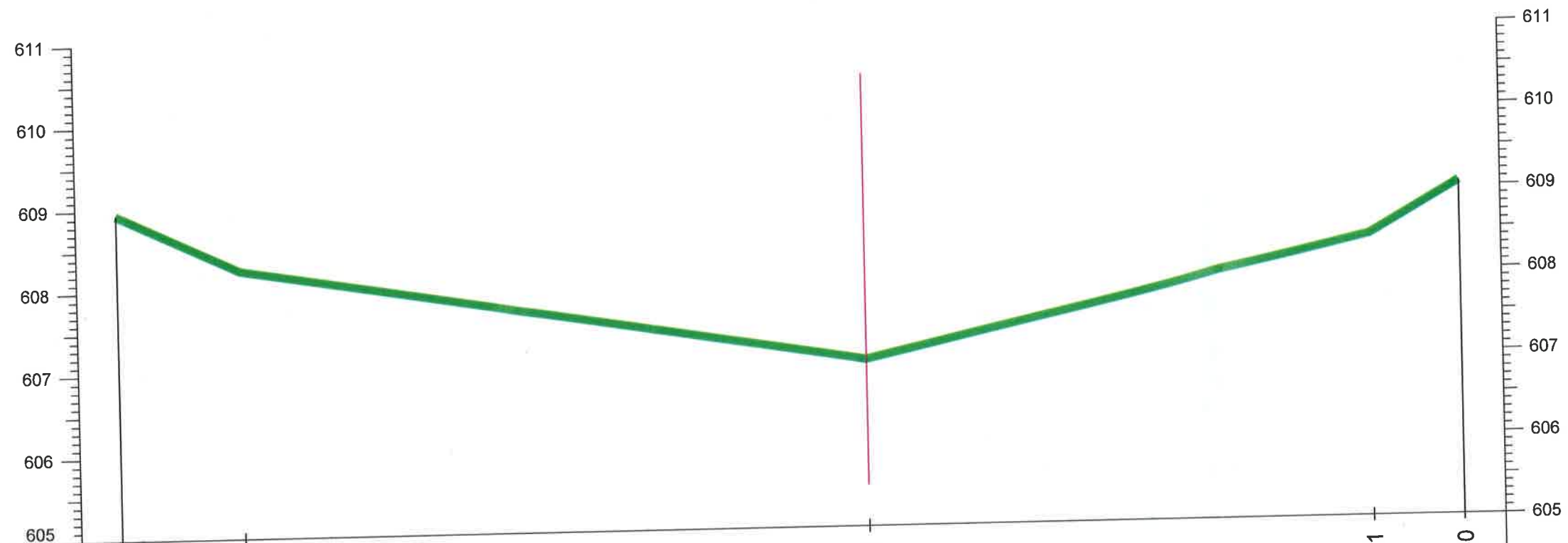
REFERENCE DRAWINGS			
SR.NO	DRG/DOC. NO.	REV NO.	TITLE

CONSULTANT:				
GREEN DESIGN & ENGINEERING SERVICES PVT.LTD				
CLIENT :				
GOVERNMENT OF KARNATAKA URBAN DEVELOPMENT DEPARTMENT				
PROJECT TITLE :				
SBM 2.0 INTERCEPTION & DIVERSION WORKS				
DRN.	CHK.	APP.	DATE	REV
DRAWING TITLE :				
PUMPING MAIN LAYOUT AT CHIKODI (BELAGAVI DISTRICT)				
SHEET SCALE		DRAWING NUMBER		
F.T.S		1468001/DMA/SWM/SB2/312/2024.CHIKO/BELA/1&D/001		
AS SHOWN				

SHEET SIZE : A3

I&D OUTFALL LOCATION
HGL: 660.352 m





DATUM					
EXISTING LEVEL (m)	608.939	608.246	607.031	608.441	609.060
DISTANCE (m)	9.10	7.60	0.00	6.16	7.27

CROSS SECTION

Handwritten signature

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

Handwritten signature
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.

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
DRAWING TITLE : CROSS SECTION OF OUTFALL AT CHIKODI (BELAGAVI DISTRICT)		SR.SCALE E.T.S AS SHOWN	DRAWING NUMBER 1468001/DMA/SWM/SBE/312/ 2024.CHIKO/BELA/1&D/003		



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)	Diamete (mm)
		A	B	C	D	E	F	G	H	I	J	K	L
1	1.81	9.00	4.00	1.91	5.00	0.55	3.00	0.30	1.50	1.50	1.91	20.00	400

EXECUTIVE ENGINEER
District Urban Development Co
Dy. Commissioner Office, Belga

CONSULTANT:

GREEN DESIGN & ENGINEERING SERVICES PVT.LTD

	CLIENT :
--	----------

GOVERNMENT OF KARNATAKA URBAN
DEVELOPMENT DEPARTMENT

SHEET SIZE : A3

PROJECT TITLE :

SBM 20 INTERCEPTION & DIVERSION WORKS

24.11.2025	R1
------------	----

DRAWING TITLE :

INTERCEPTION & DIVERSION LA
CHIKODI (BELAGAVI DISTRICT)

SH.SCALE
F.T.S

DRAWING NUMBER

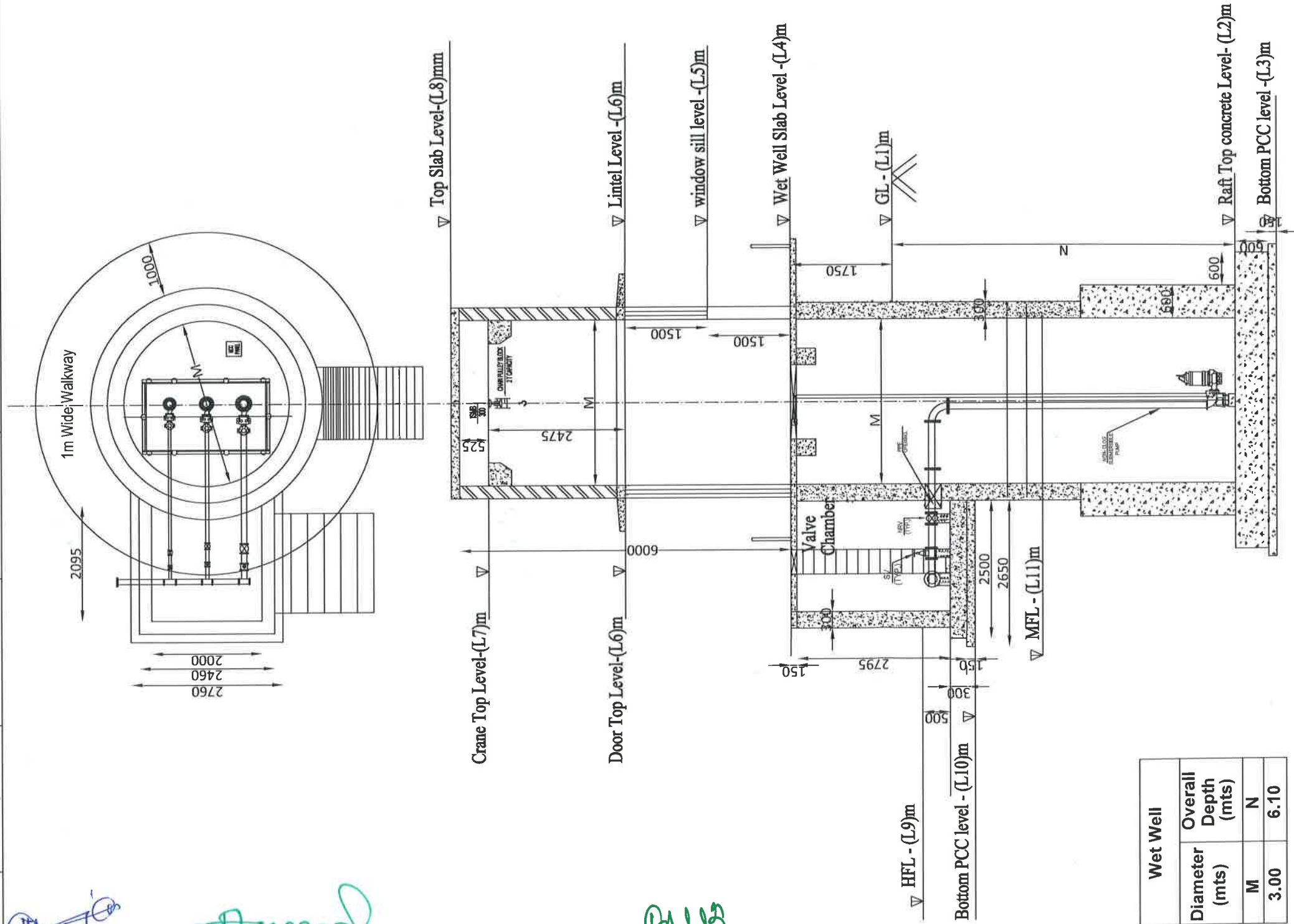
AS SHOWN

1468001/DMA/SWM/SB2/312/

12

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

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



Wet Well	
Diameter (mts)	Overall Depth (mts)
M	N
3.00	6.10

Plan and Section of Wet Well of 3.0m Dia

S.No.	Wet Well										
	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11
1	606.934 (m)	600.834 (m)	600.084 (m)	608.684 (m)	610.184 (m)	611.684 (m)	614.159 (m)	614.159 (m)	606.239 (m)	605.289 (m)	604.352 (m)

NOTES :

- ALL DIMENSIONS ARE IN MM.
- CONCRETE GRADE : M 30
- STEEL GRADE : FE 550.

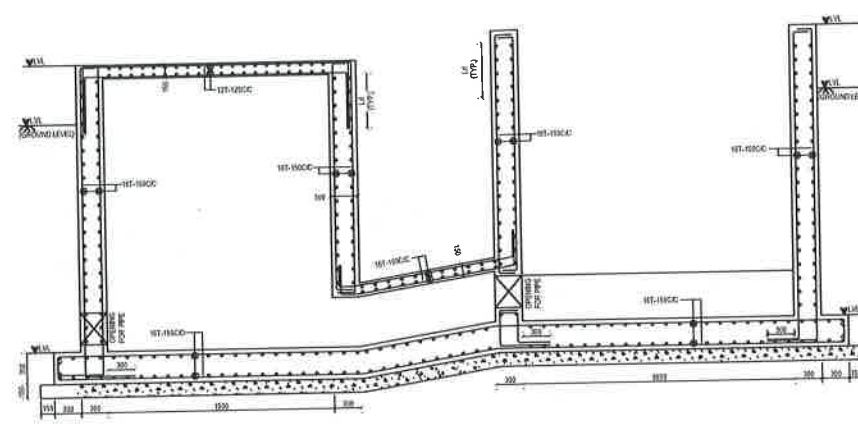
THE THICKNESS AND SIZES OF STRUCTURAL ELEMENTS ARE TENTATIVE.
THE STRUCTURAL DRAWINGS SHALL BE REFERRED FOR ACTUALS.

CONSULTANT:
GREEN DESIGN & ENGINEERING SERVICES PVT.LTD

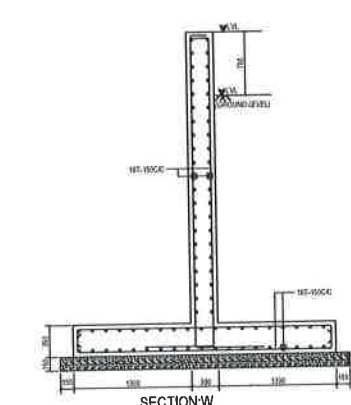
CLIENT :
GOVERNMENT OF KARNATAKA URBAN
DEVELOPMENT DEPARTMENT

SHEET SIZE : A3

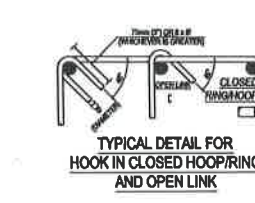
PROJECT TITLE :			
SBM 2.0 INTERCEPTION & DIVERSION WORKS			
DRN.	CHK.	APP.	REV
			24.11.2025
DRAWING NUMBER			
1468001/DMA/SBM/SB2/312/2024,CHIKO/BELA/180/005			



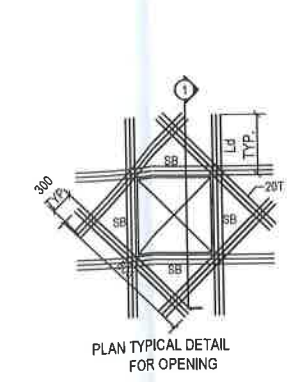
SECTION: A



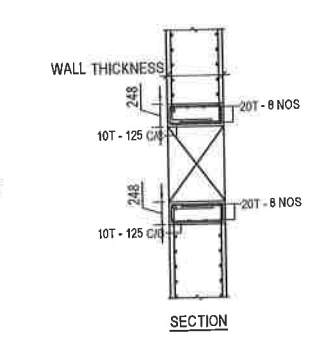
SECTION: W



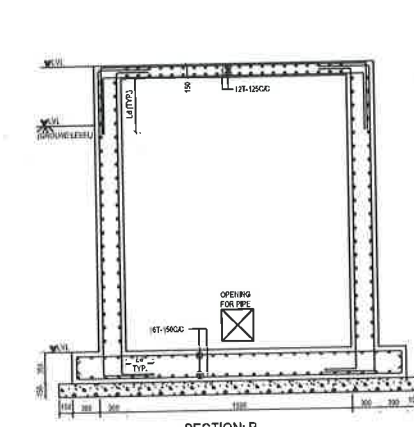
TYPICAL DETAIL FOR HOOK IN CLOSED HOOP/RING AND OPEN LINK



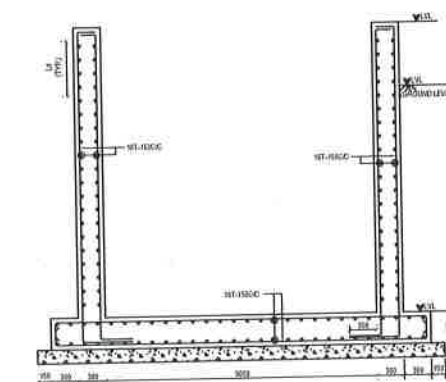
PLAN TYPICAL DETAIL FOR OPENING



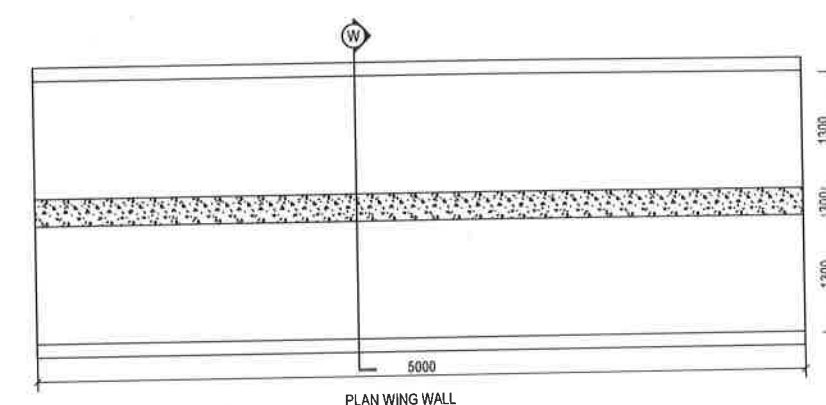
SECTION



SECTION: B



SECTION: C



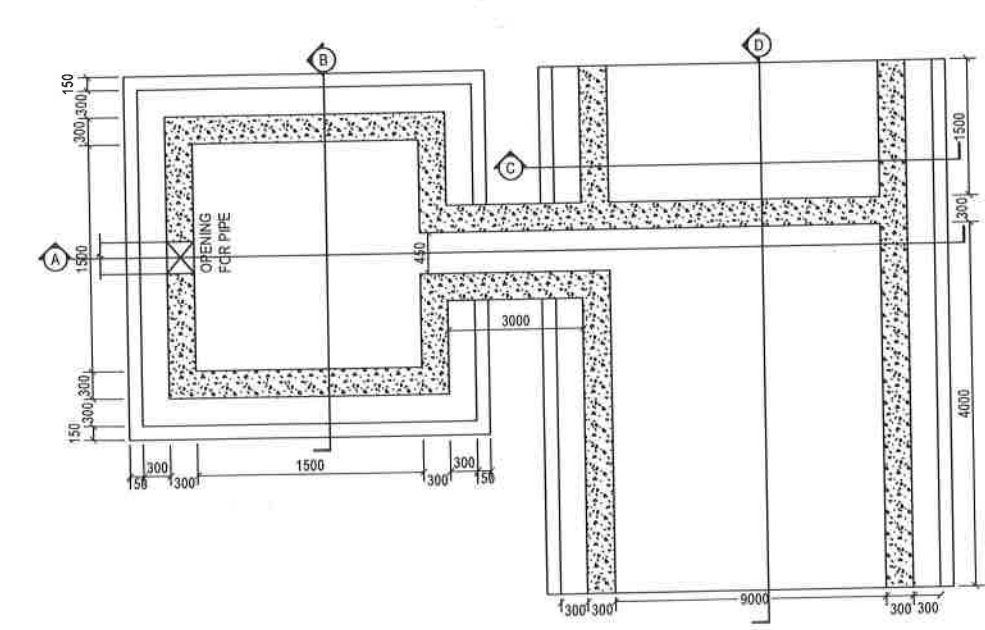
PLAN WING WALL

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

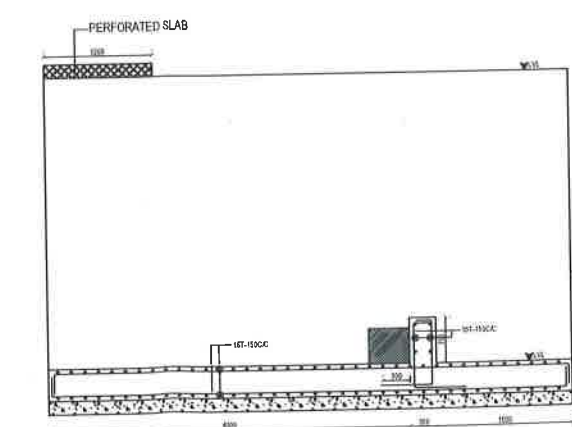
FOR OPENING SIZE REFER GAD DRAWINGS.

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 REMOVED AND FILLED WITH GROUTING MATERIAL AFTER CONSTRUCTION OF SUPER STRUCTURE.



PLAN:



SECTION: D

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 CHIKODI (BELAGAVI DISTRICT)

DRAWING NUMBER
1408001/DMA/SWM/SB2/312/2024.CHIKO/BELA/1&D/006

Handwritten signature and initials.

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

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

EXECUTIVE ENGINEER
District Urban Development
Dy. Commissioner Office.