



**DETAILED PROJECT REPORT (DPR)**  
**FOR USED WATER MANAGEMENT PLAN UNDER SBM 2.0**  
**(DURG DIVISION) FOR “PANDATARAI TOWN”**  
**DIST. KABIRDHAM(C.G.)**



**SWACHH BHARAT MISSION-URBAN 2.0**



**VOLUME – III DRAWINGS**

Prepared By



**WAPCOS LIMITED**

(ISO 9001:2008)

Mini Ratna

A Government of India Undertaking – Ministry of Water Resources

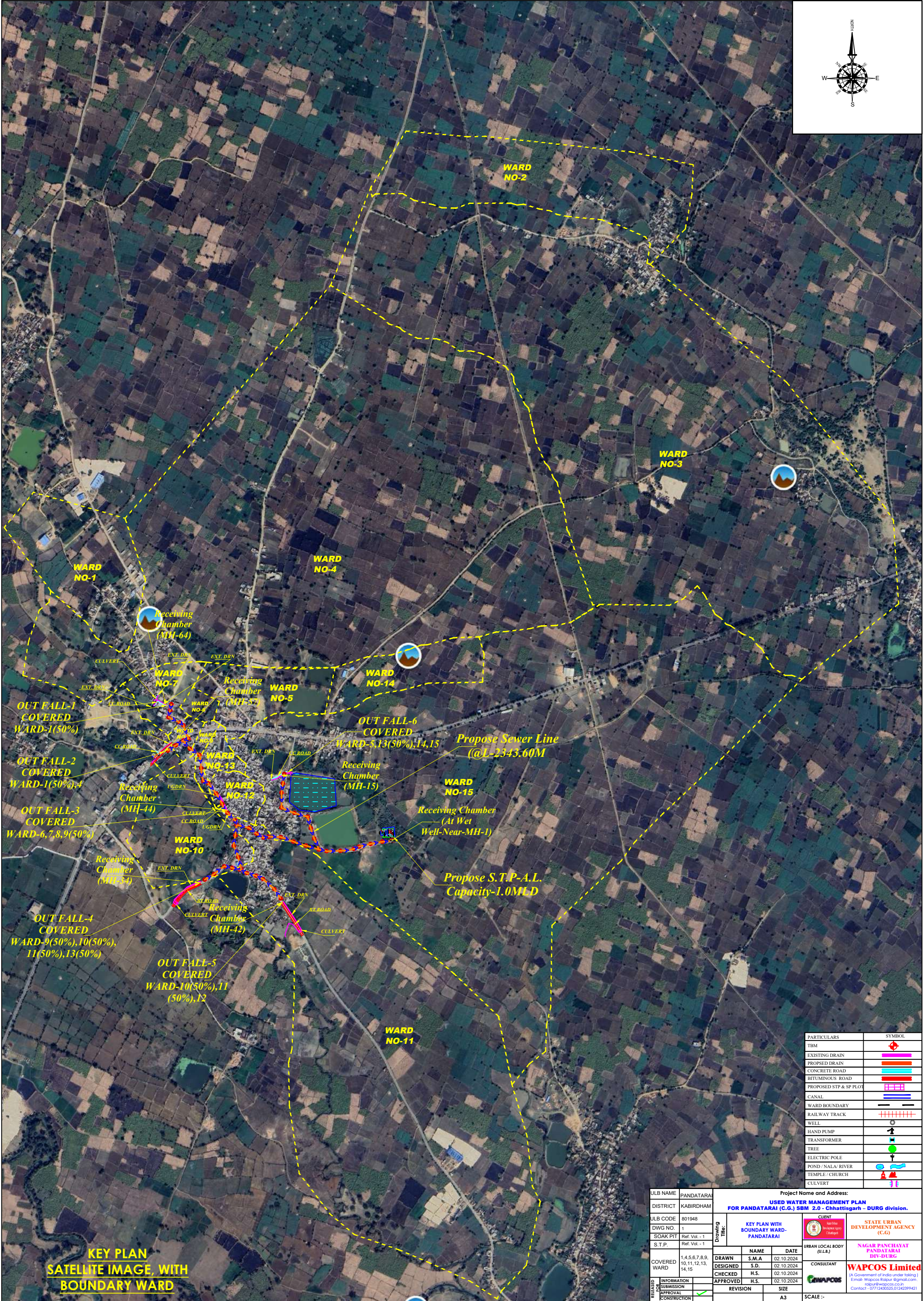
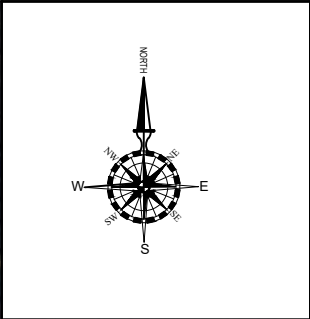
Raipur Office:

Address: House No. I-21, Anupam Nagar, Raipur (C.G.) –492007


Contact No. 0771-4049436, 09568714510

Email: [wapcosraipur@gmail.com](mailto:wapcosraipur@gmail.com), [raipur@wapcos.co.in](mailto:raipur@wapcos.co.in)

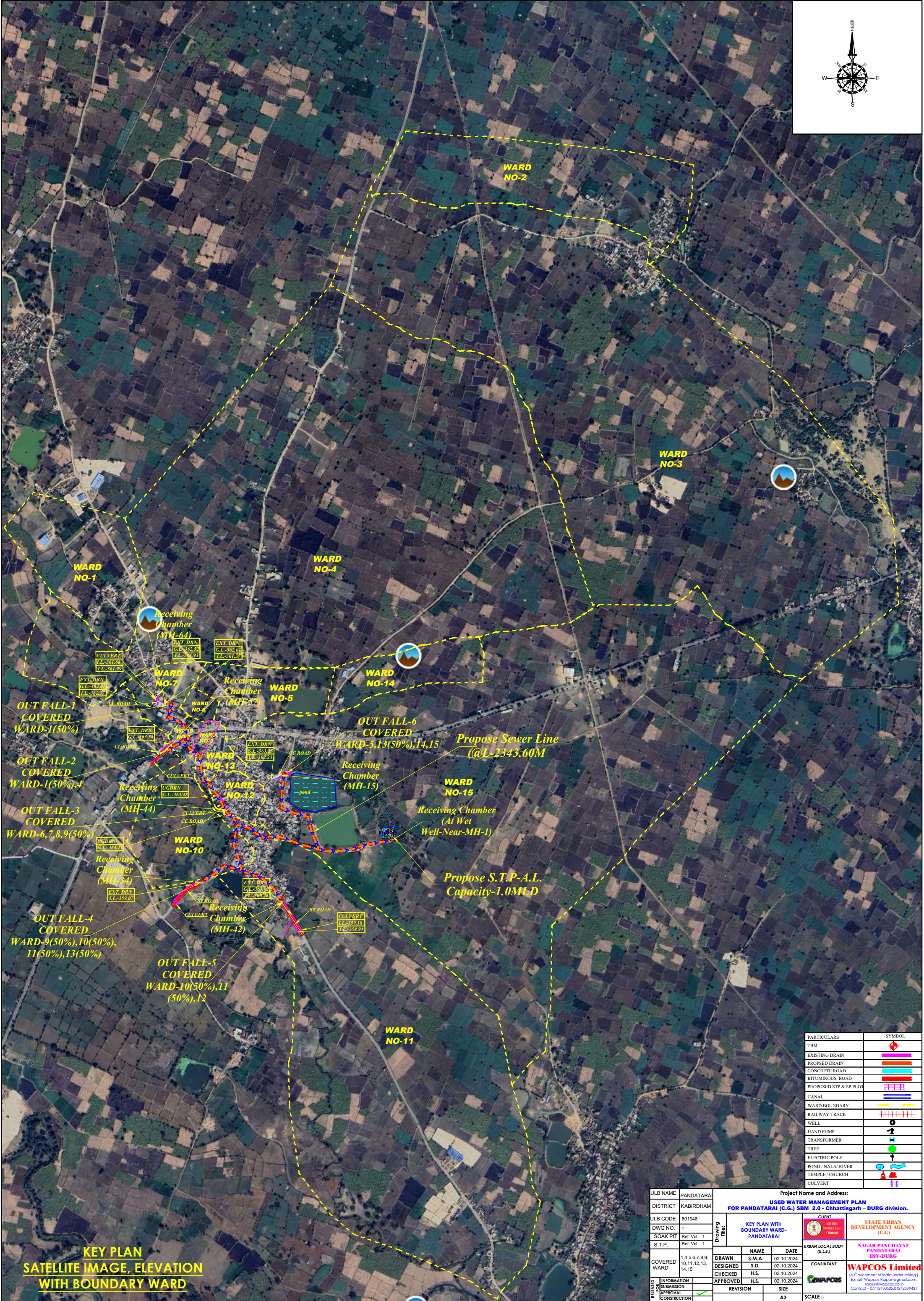
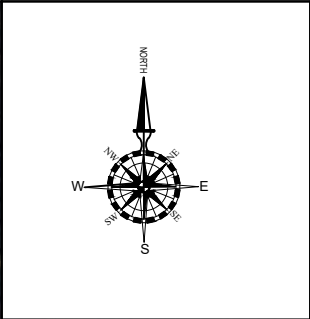




KEY PLAN  
SATELLITE IMAGE, WITH  
BOUNDARY WARD

ULB NAME		PANDATARAI		Project Name and Address:						
DISTRICT		KABIRDHAM		USED WATER MANAGEMENT PLAN FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh - DURG division.						
ULB CODE		801948		Drawing Title:	CLIENT		STATE URBAN DEVELOPMENT AGENCY (C.G)			
DWG NO.		1								
SOAK PIT		Ref. Vol. - 1			URBAN LOCAL BODY (U.L.B.)					
S.T.P.		Ref. Vol. - 1			NAGAR PANCHAYAT PANDATARAI DIV-DURG					
COVERED WARD		1,4,5,6,7,8,9, 10,11,12,13, 14,15		DRAWN		NAME		DATE		
				DESIGNED		S.D.A		02.10.2024		
				CHECKED		H.S.		02.10.2024		
				APPROVED		H.S.		02.10.2024		
RELEASED FOR INFORMATION SUBMISSION	INFORMATION				REVISION		SIZE			
	SUBMISSION						A3		SCALE :-	
	APPROVAL									
	CONSTRUCTION									





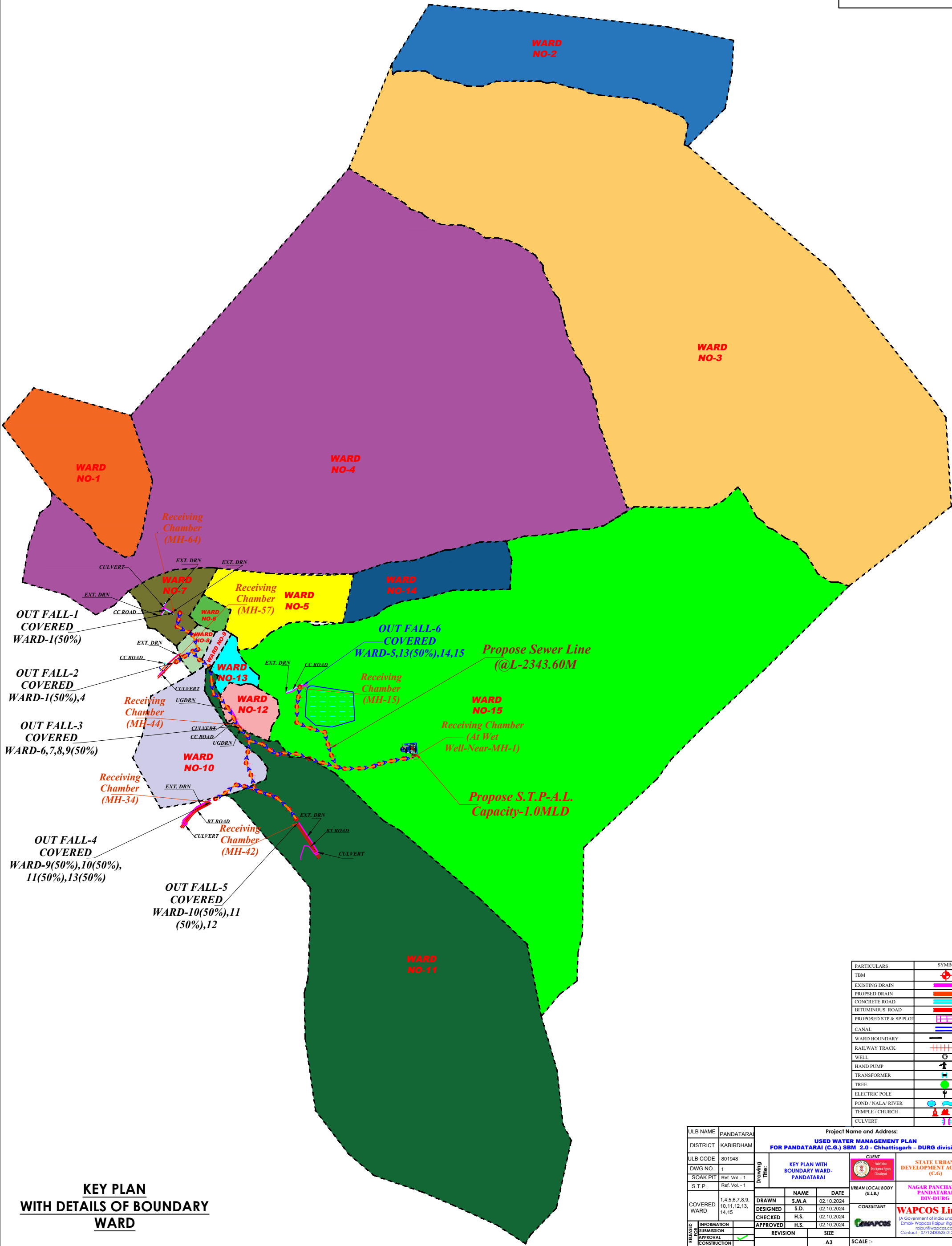
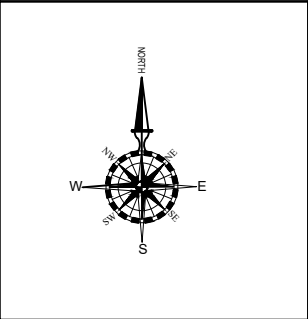
KEY PLAN  
SATELLITE IMAGE, ELEVATION  
WITH BOUNDARY WARD

PARTICULARS	SYMBOL
TBM	
EXISTING DRAIN	
PROPOSED DRAIN	
CONCRETE ROAD	
BITUMINOUS ROAD	
PROPOSED STP & SP PLOT	
CANAL	
WARD BOUNDARY	
RAILWAY TRACK	
WELL	
HAND PUMP	
TRANSFORMER	
TREE	
ELECTRIC POLE	
POND / NALA / RIVER	
TEMPLE / CHURCH	
CULVERT	

ULB NAME	PANDATARAI	Project Name and Address:	
DISTRICT	KABIRDHAM	USED WATER MANAGEMENT PLAN FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh - DURG division.	
ULB CODE	801948	Drawing Title:	
DWG NO.	1		
SOAK PIT	Ref. Vol. - 1		
S.T.P.	Ref. Vol. - 1		
COVERED WARD	1,4,5,6,7,8,9,10,11,12,13,14,15	NAME	DATE
INFORMATION		DRAWN	S.M.A 02.10.2024
APPROVAL		DESIGNED	S.D. 02.10.2024
CONSTRUCTION		CHECKED	H.S. 02.10.2024
		APPROVED	H.S. 02.10.2024
		REVISION	SIZE
			A3
		SCALE :-	

CLIENT	STATE URBAN DEVELOPMENT AGENCY (C.G.)
URBAN LOCAL BODY (ULLB)	NAGAR PANCHAYAT PANDATARAI DIV-DURG
CONSULTANT	WAPCOS Limited (A Government of India under taking) Email: wapcos@wapcos.co.in Contact: 07712480525, 01342399421

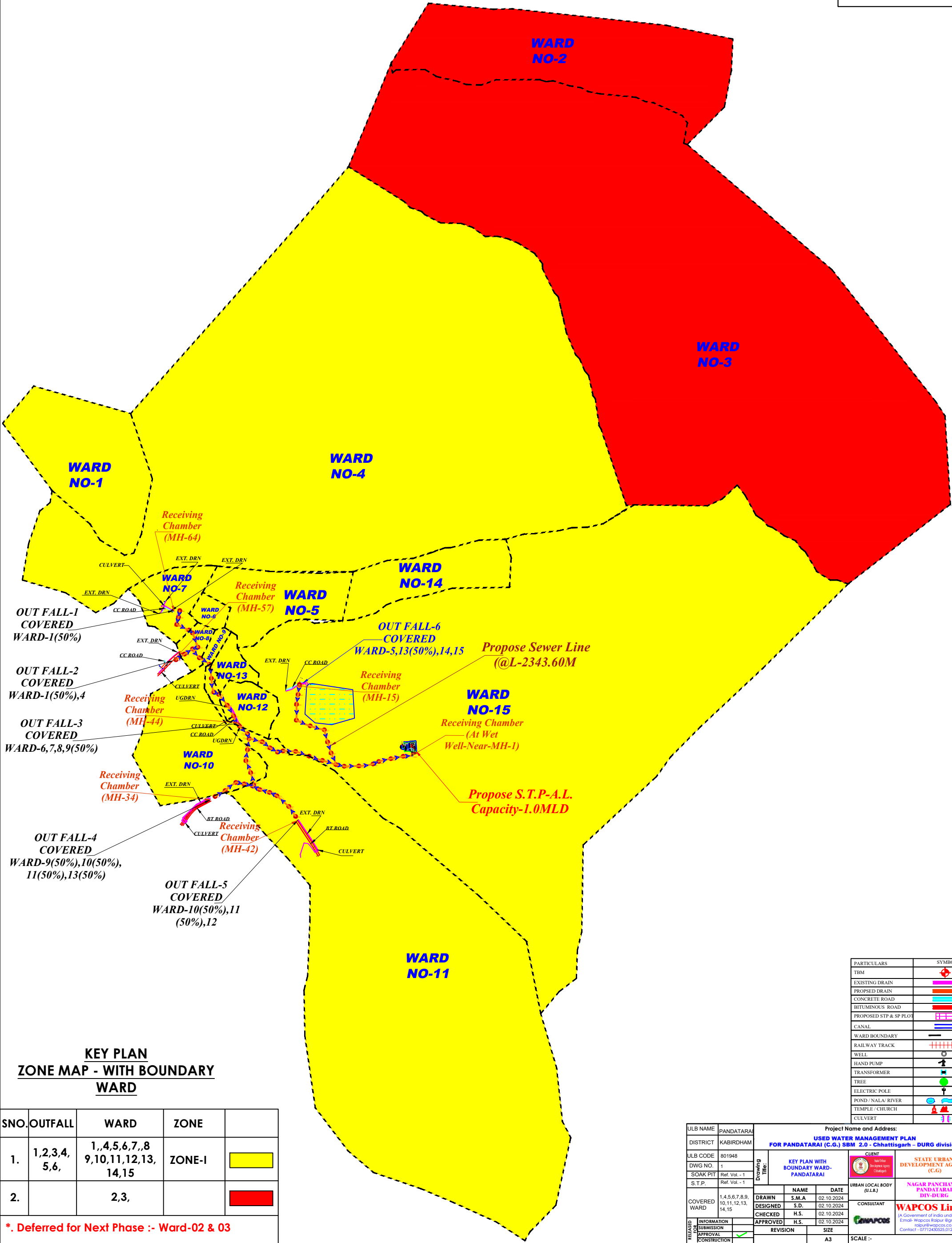
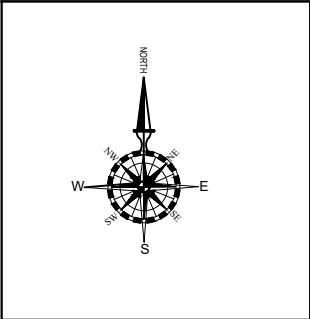




KEY PLAN  
WITH DETAILS OF BOUNDARY  
WARD

ULB NAME	PANDATARAI	Project Name and Address:	
DISTRICT	KABIRDHAM	USED WATER MANAGEMENT PLAN FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh - DURG division.	
ULB CODE	801948	Drawing Title:	CLIENT
DWG NO.	1		STATE URBAN DEVELOPMENT AGENCY (C.G.)
SOAK PIT	Ref. Vol. - 1	Drawing No:	URBAN LOCAL BODY (ULB)
S.T.P.	Ref. Vol. - 1		NAGAR PANCHAYAT PANDATARAI DIV-DURG
COVERED WARD	1,4,5,6,7,8,9, 10,11,12,13, 14,15	DRAWN	S.M.A. 02.10.2024
		DESIGNED	S.D. 02.10.2024
		CHECKED	H.S. 02.10.2024
		APPROVED	H.S. 02.10.2024
RELEASE	INFORMATION	REVISION	1
INFORMATION	SUBMISSION	SIZE	A3
APPROVAL	CONSTRUCTION	SCALE	-
CONSTRUCTION			





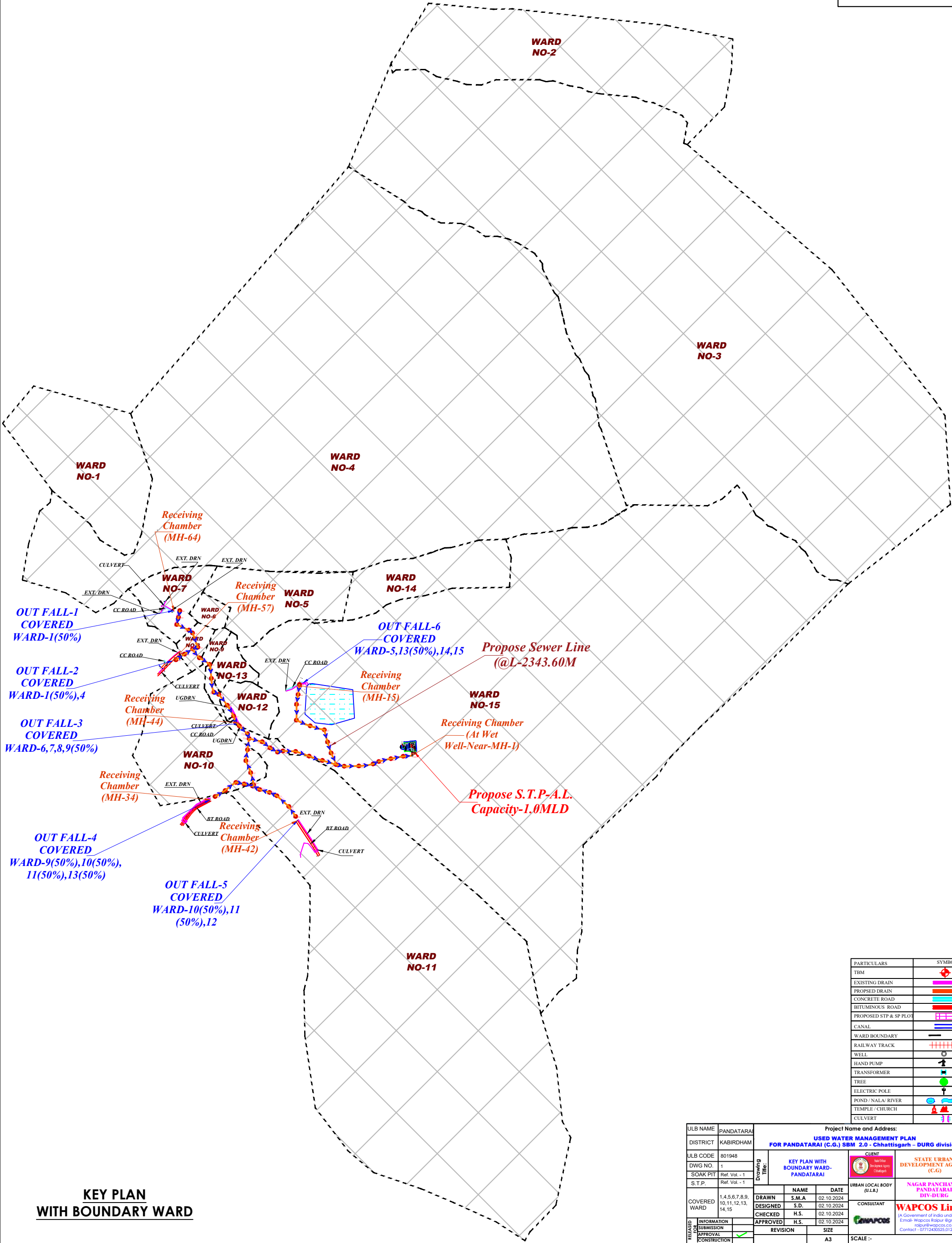
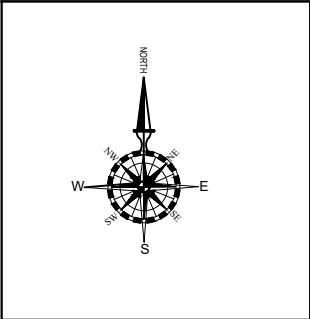
KEY PLAN  
ZONE MAP - WITH BOUNDARY  
WARD

SNO.	OUTFALL	WARD	ZONE	
1.	1,2,3,4,5,6,	1,,4,5,6,7,,8 9,10,11,12,13, 14,15	ZONE-I	
2.		2,3,		





\*. Deferred for Next Phase :- Ward-02 & 03

ULB NAME	PANDATARAI	Project Name and Address: USED WATER MANAGEMENT PLAN FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh - DURG division.			
DISTRICT	KABIRDHAM				
ULB CODE	801948				
DWG NO.	1				
SOAK PIT	Ref. Vol. - 1				
S.T.P.	Ref. Vol. - 1				
COVERED WARD	1,4,5,6,7,8,9, 10,11,12,13, 14,15				
RELEASED	INFORMATION				
APPROVAL	CONSTRUCTION				
		Drawing Title: KEY PLAN WITH BOUNDARY WARD- PANDATARAI		CLIENT STATE URBAN DEVELOPMENT AGENCY (C.G.)	
		DRAWN S.M.A		CONSULTANT WAPCOS Limited	
		DESIGNED S.D.		DATE 02.10.2024	
		CHECKED H.S.		DATE 02.10.2024	
		APPROVED H.S.		DATE 02.10.2024	
		REVISION		SIZE A3	
				SCALE :-	

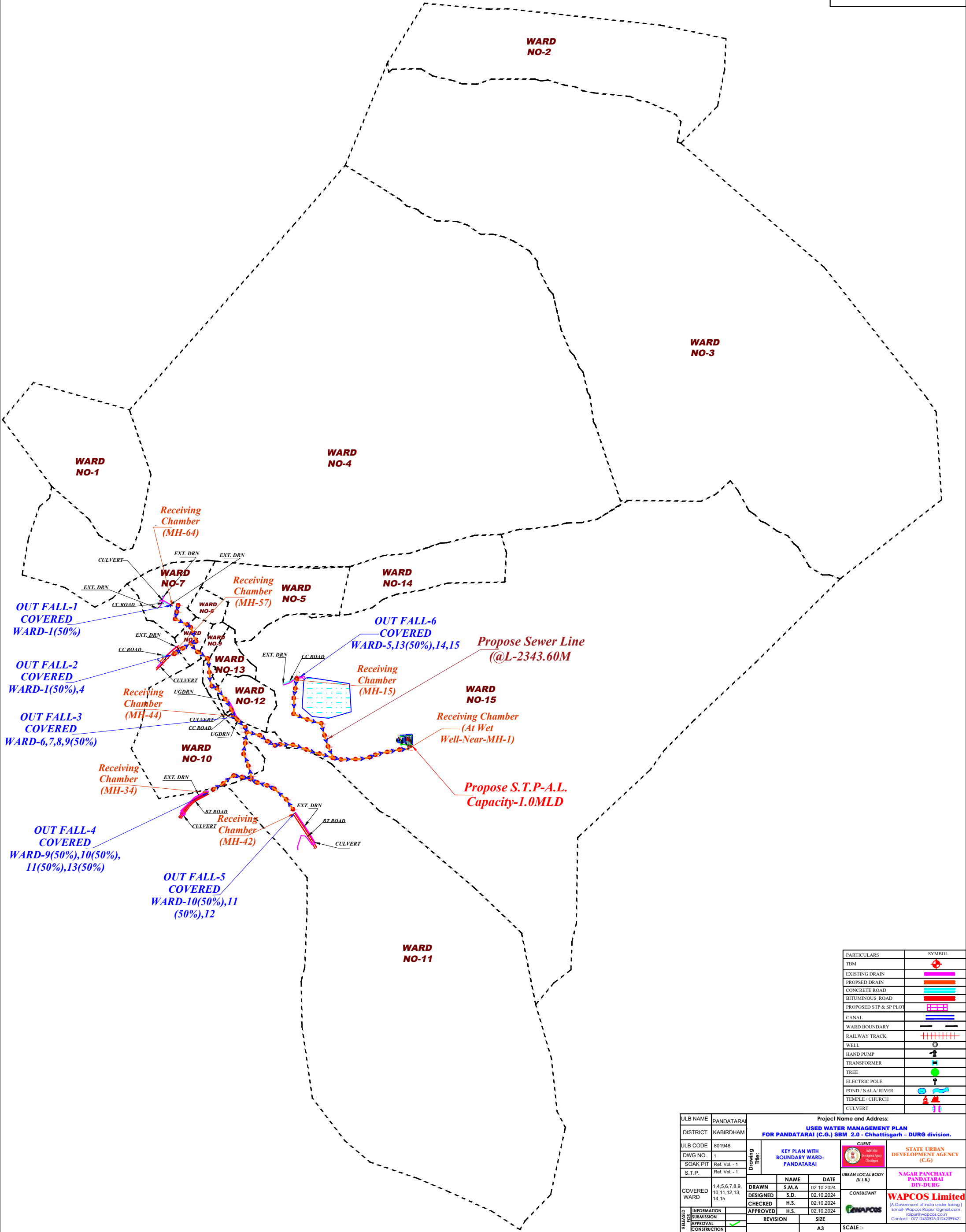
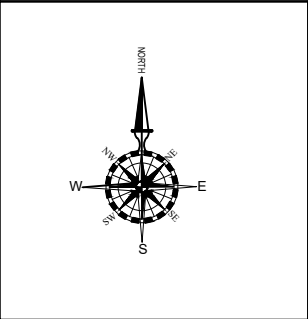




KEY PLAN  
WITH BOUNDARY WARD

ULB NAME		PANDATARAI		Project Name and Address:						
DISTRICT		KABIRDHAM		USED WATER MANAGEMENT PLAN FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh - DURG division.						
ULB CODE		801948		CLIENT						
DWG NO.		1				STATE URBAN DEVELOPMENT AGENCY (C.G)				
SOAK PIT		Ref. Vol. - 1				URBAN LOCAL BODY (U.L.B.)				
S.T.P.		Ref. Vol. - 1				NAGAR PANCHAYAT PANDATARAI DIV-DURG				
COVERED WARD		1,4,5,6,7,8,9, 10,11,12,13, 14,15		DRAWN		NAME		DATE		
				DESIGNED		S.D.		02.10.2024		
				CHECKED		H.S.		02.10.2024		
				APPROVED		H.S.		02.10.2024		
RELEASE FOR CONSTRUCTION	INFORMATION				CONSULTANT					
	SUBMISSION						WAPCOS Limited (A Government of India under taking) E-mail: Wapcos@rediffmail.com rapur@wapcos.co.in Contact : 07712480525,01242399421			
	APPROVAL				REVISION		SIZE			
	CONSTRUCTION						A3			
								SCALE :-		



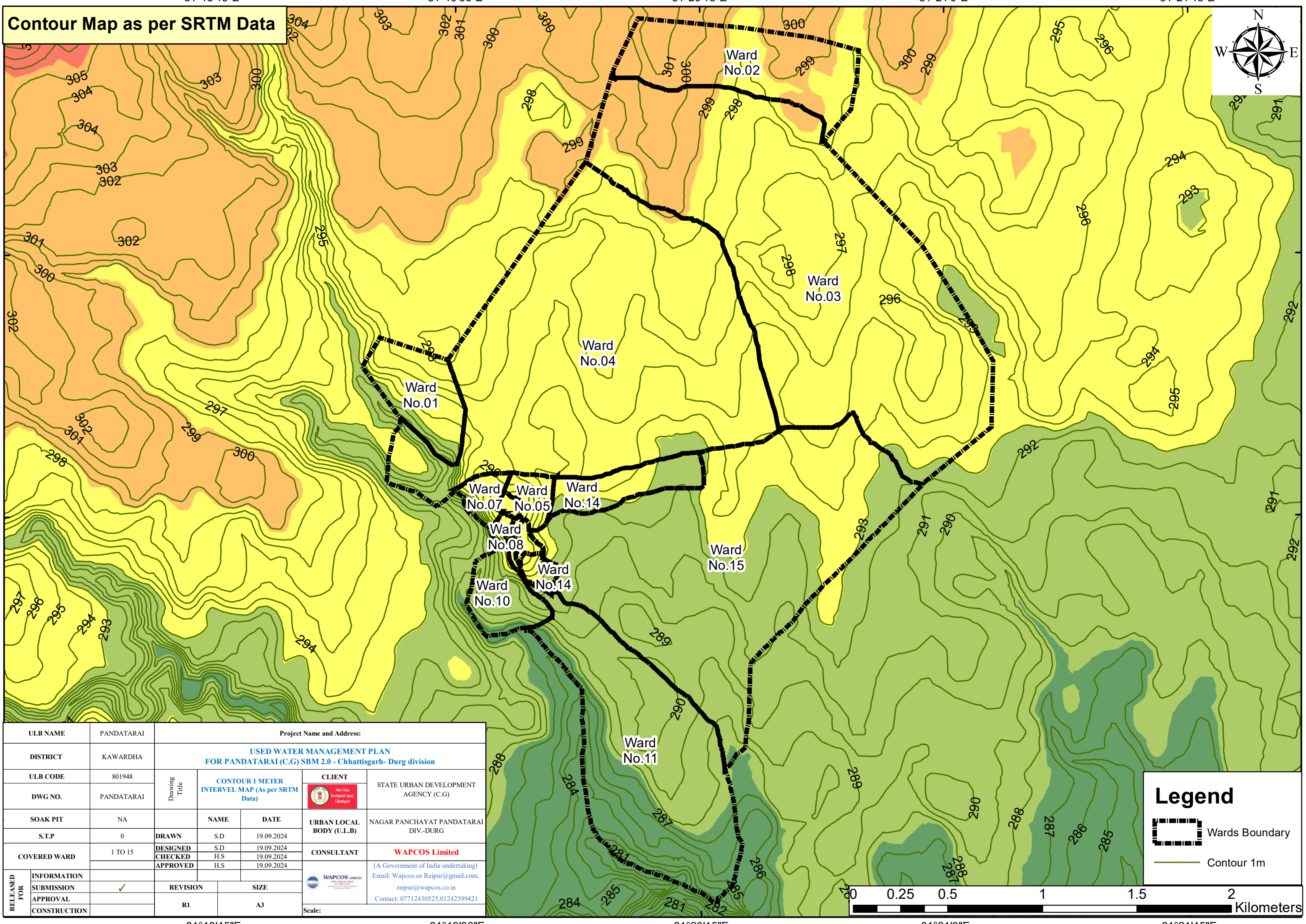


PARTICULARS	SYMBOL
TBM	
EXISTING DRAIN	
PROPOSED DRAIN	
CONCRETE ROAD	
BITUMINOUS ROAD	
PROPOSED STP & SP PLOT	
CANAL	
WARD BOUNDARY	
RAILWAY TRACK	
WELL	
HAND PUMP	
TRANSFORMER	
TREE	
ELECTRIC POLE	
POND / NALA / RIVER	
TEMPLE / CHURCH	
CULVERT	

ULB NAME	PANDATARAI	Project Name and Address:			
DISTRICT	KABIRDHAM	USED WATER MANAGEMENT PLAN FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh - DURG division.			
ULB CODE	801948	Drawing Title:	KEY PLAN WITH BOUNDARY WARD- PANDATARAI	CLIENT	STATE URBAN DEVELOPMENT AGENCY (C.G.)
DWG NO.	1				
SOAK PIT	Ref. Vol. - 1				
S.T.P.	Ref. Vol. - 1				
COVERED WARD	1,4,5,6,7,8,9, 10,11,12,13, 14,15	DRAWN	S.M.A	DATE	02.10.2024
		DESIGNED	S.D.	DATE	02.10.2024
		CHECKED	H.S.	DATE	02.10.2024
		APPROVED	H.S.	DATE	02.10.2024
RELEASE	INFORMATION	REVISION	SIZE	SCALE :-	
FOR	APPROVAL		A3		
CONSTRUCTION					

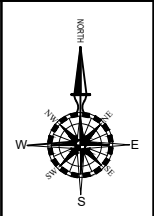
**WAPCOS Limited**  
(A Government of India under taking)  
E-mail: wapcos@wapcos.co.in  
Contact : 07712480525,01242399421



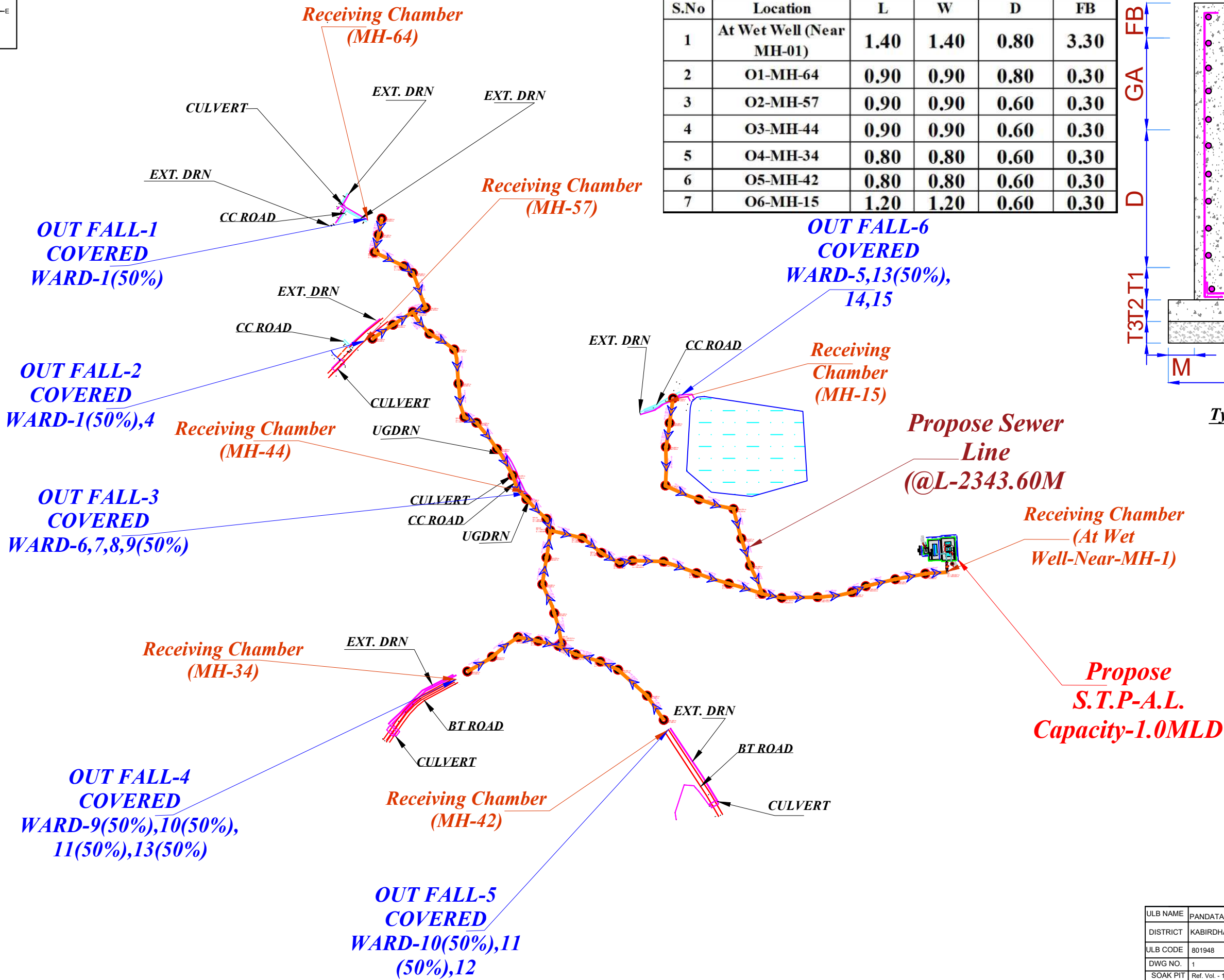
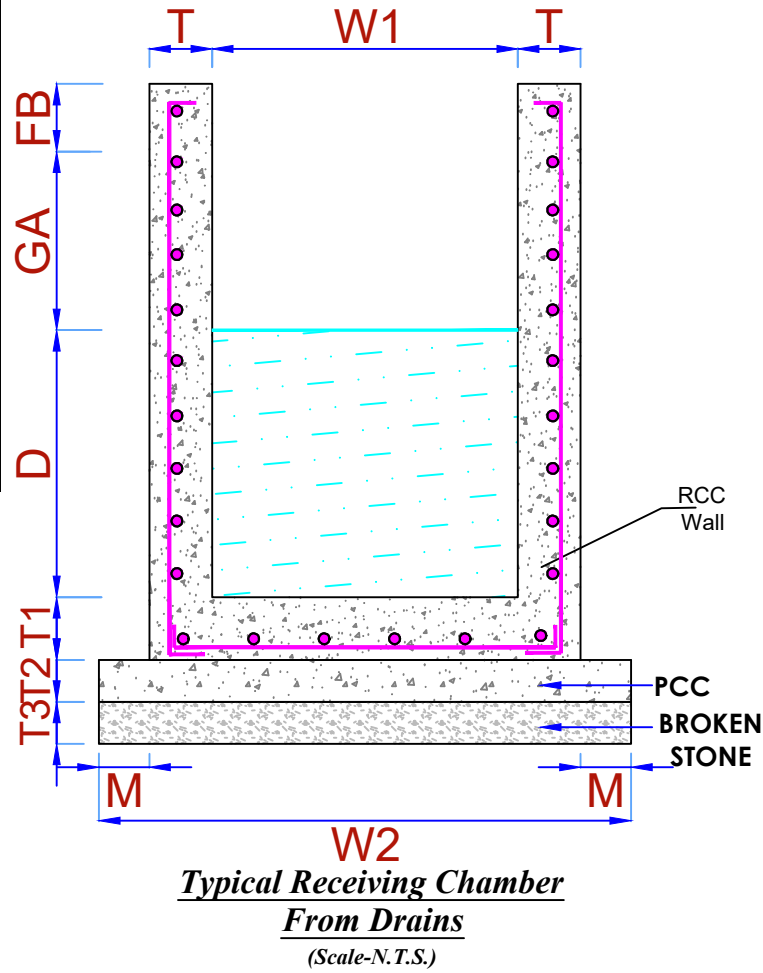


ULB NAME		PANDATARAI	Project Name and Address:			
DISTRICT		KAWARDHA	USED WATER MANAGEMENT PLAN FOR PANDATARAI (C.G) SBM 2.0 - Chhattisgarh- Durg division			
ULB CODE		801948	Drawing Title	CLIENT		
DWG NO.		PANDATARAI		STATE URBAN DEVELOPMENT AGENCY (C.G)		
SOAK PIT		NA	NAME	URBAN LOCAL BODY (U.L.B)		
S.T.P		0		NAGAR PANCHAYAT PANDATARAI DIV.-DURG		
COVERED WARD		1 TO 15	DRAWN	S.D	19.09.2024	
			DESIGNED	S.D	19.09.2024	
			CHECKED	H.S	19.09.2024	
RELEASED FOR	INFORMATION	✓	REVISION	SIZE	CONSULTANT	WAPCOS Limited (A Government of India undertaking) Email: Wapcos.os Raipur@gmail.com, raipur@wapcos.co.in Contact: 07712430525,01242399421
	SUBMISSION					
	APPROVAL					
	CONSTRUCTION					
R1		A3				







Details of Receiving Chamber from Drains					
S.No	Location	L	W	D	FB
1	At Wet Well (Near MH-01)	1.40	1.40	0.80	3.30
2	O1-MH-64	0.90	0.90	0.80	0.30
3	O2-MH-57	0.90	0.90	0.60	0.30
4	O3-MH-44	0.90	0.90	0.60	0.30
5	O4-MH-34	0.80	0.80	0.60	0.30
6	O5-MH-42	0.80	0.80	0.60	0.30
7	O6-MH-15	1.20	1.20	0.60	0.30

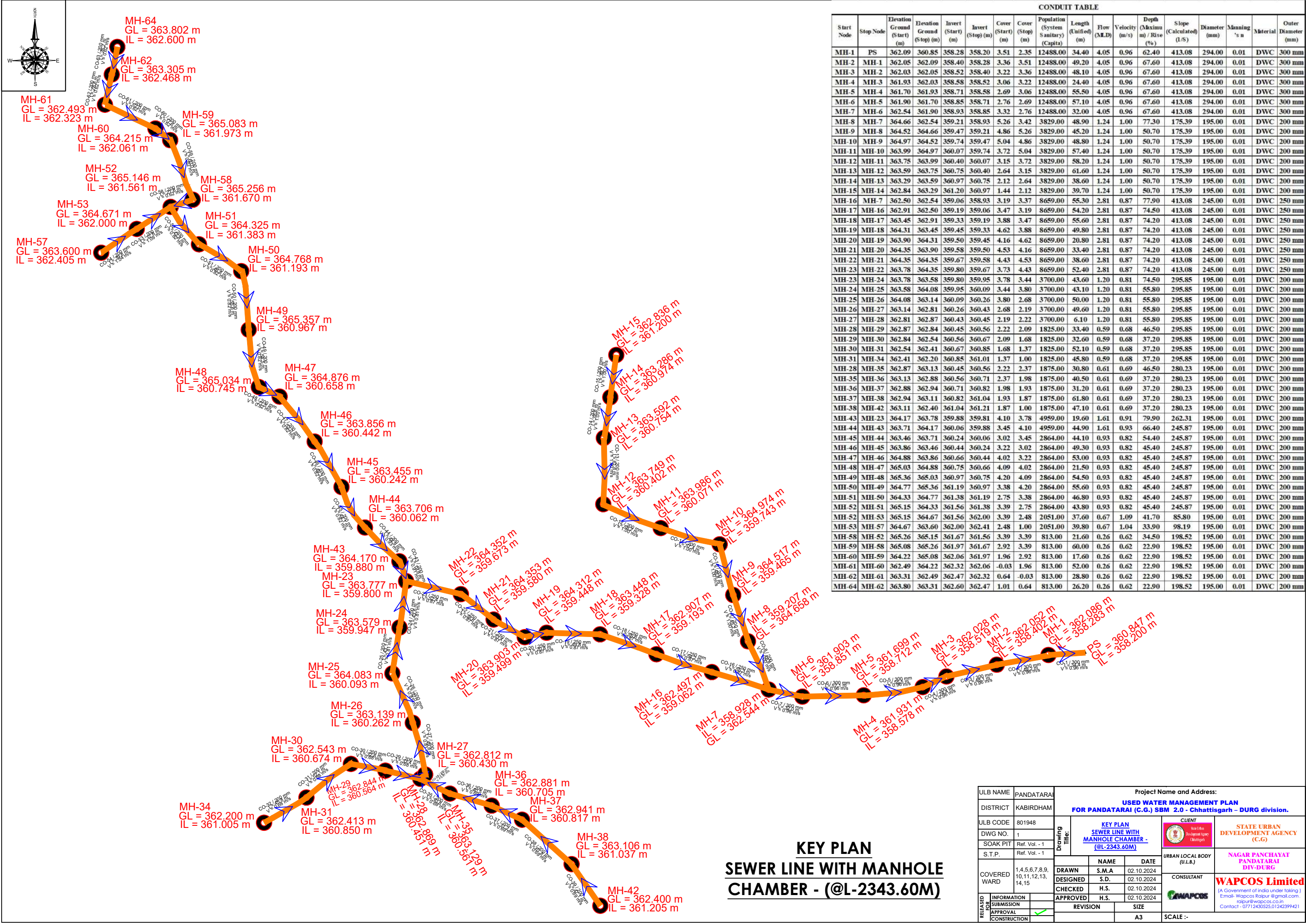
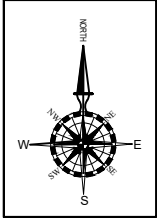


KEY PLAN

PARTICULARS	SYMBOL
TBM	
EXISTING DRAIN	
PROPOSED DRAIN	
CONCRETE ROAD	
BITUMINOUS ROAD	
PROPOSED STP & SP PLOT	
CANAL	
WARD BOUNDARY	
RAILWAY TRACK	
WELL	
HAND PUMP	
TRANSFORMER	
TREE	
ELECTRIC POLE	
POND / NALA / RIVER	
TEMPLE / CHURCH	
CULVERT	



ULB NAME		PANDATARA		Project Name and Address:			
DISTRICT		KABIRDHAM		USED WATER MANAGEMENT PLAN FOR PANDATARA (C.G.) SBM 2.0 - Chhattisgarh - DURG division.			
ULB CODE		801948		<div><div>CLIENT</div><div>STATE URBAN DEVELOPMENT AGENCY (C.G.)</div></div> <div><div>URBAN LOCAL BODY (U.L.B.)</div><div>NAGAR PANCHAYAT PANDATARA DIV-DURG</div></div> <div><div>CONSULTANT</div><div>WAPCOS Limited (A Government of India under taking) Email- Wapcos Roipur@gmail.com roipur@wapcos.co.in Contact - 07712430525,01242399421</div></div>			
DWG NO.		1					
SOAK PIT		Ref. Vol. - 1					
S.T.P.		Ref. Vol. - 1					
COVERED WARD		Drawing Title:		KEY PLAN			
		DRAWN		NAME		DATE	
				S.M.A		02.10.2024	
		DESIGNED		S.D.		02.10.2024	
		CHECKED		H.S.		02.10.2024	
		APPROVED		H.S.		02.10.2024	
RELEASED FOR		INFORMATION SUBMISSION					
		APPROVAL					
		CONSTRUCTION					
		REVISION		SIZE		SCALE :-	
				A3			



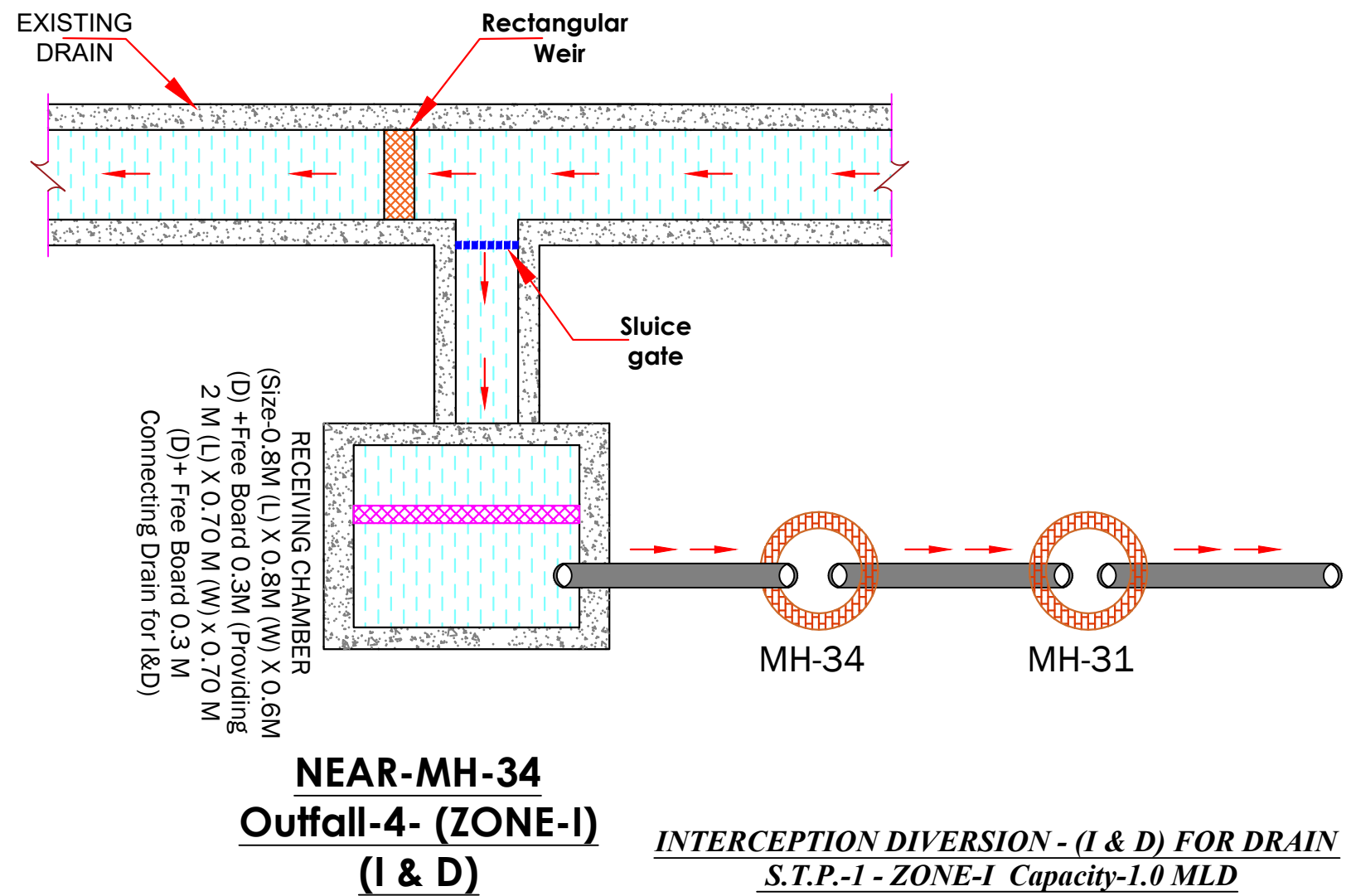
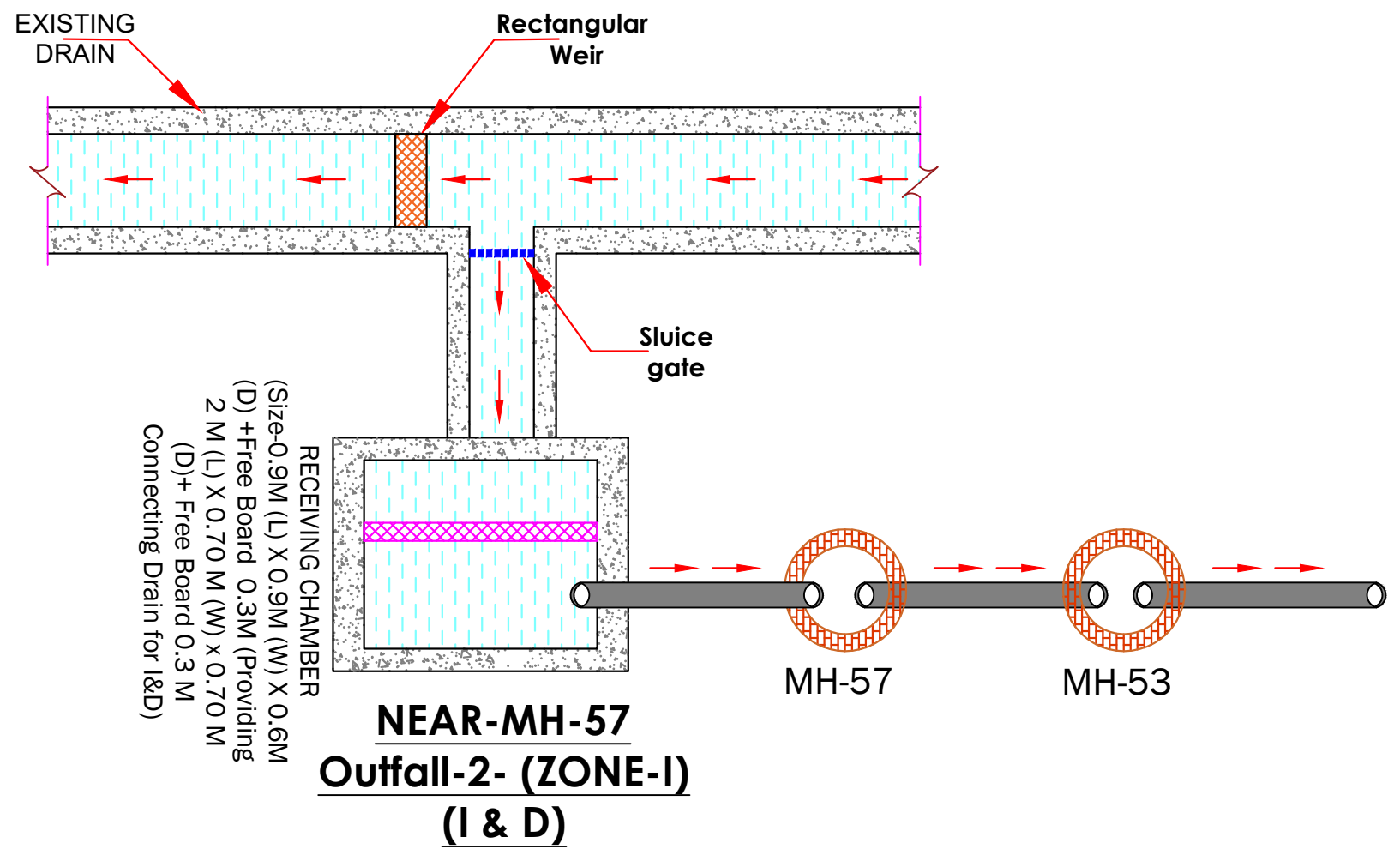
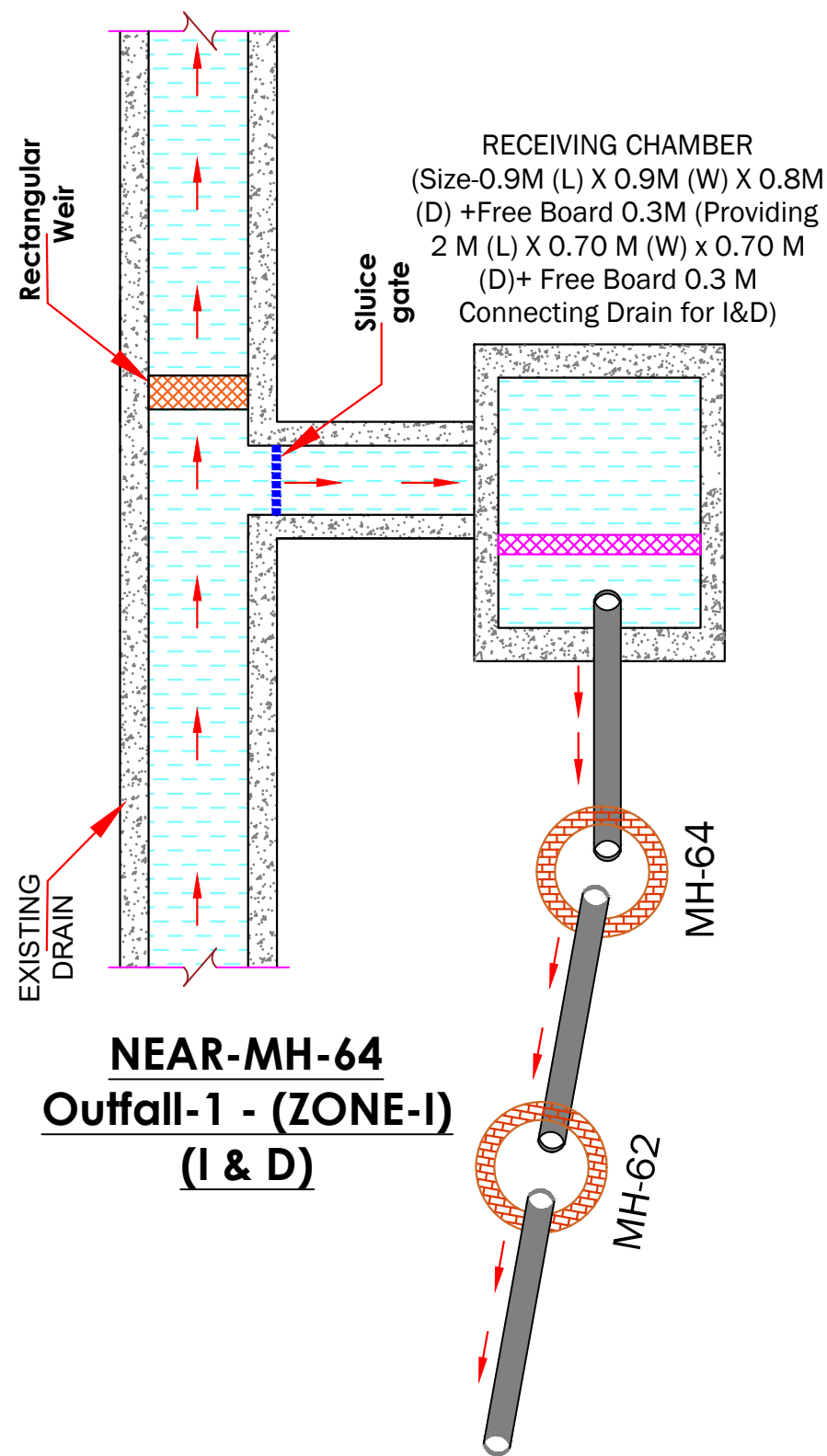




CONDUIT TABLE																	
Start Node	Stop Node	Elevation Ground (Start) (m)	Elevation Ground (Stop) (m)	Invert (Start) (m)	Invert (Stop) (m)	Cover (Start) (m)	Cover (Stop) (m)	Population (System Sanitary) (Capita)	Length (Unified) (m)	Flow (MLD)	Velocity (m/s)	Depth (Maximum m) / Rise (%)	Slope (Calculated) (1/S)	Diameter (mm)	Manning 's n	Material	Outer Diameter (mm)
MH-1	PS	362.09	360.85	358.28	358.20	3.51	2.35	12488.00	34.40	4.05	0.96	62.40	413.08	294.00	0.01	DWC	300 mm
MH-2	MH-1	362.05	362.09	358.40	358.28	3.36	3.51	12488.00	49.20	4.05	0.96	67.60	413.08	294.00	0.01	DWC	300 mm
MH-3	MH-2	362.03	362.05	358.52	358.40	3.22	3.36	12488.00	48.10	4.05	0.96	67.60	413.08	294.00	0.01	DWC	300 mm
MH-4	MH-3	361.93	362.03	358.58	358.52	3.06	3.22	12488.00	24.40	4.05	0.96	67.60	413.08	294.00	0.01	DWC	300 mm
MH-5	MH-4	361.70	361.93	358.71	358.58	2.69	3.06	12488.00	55.50	4.05	0.96	67.60	413.08	294.00	0.01	DWC	300 mm
MH-6	MH-5	361.90	361.70	358.85	358.71	2.76	2.69	12488.00	57.10	4.05	0.96	67.60	413.08	294.00	0.01	DWC	300 mm
MH-7	MH-6	362.54	361.90	358.93	358.85	3.32	2.76	12488.00	32.00	4.05	0.96	67.60	413.08	294.00	0.01	DWC	300 mm
MH-8	MH-7	364.66	362.54	359.21	358.93	5.26	3.42	3829.00	48.90	1.24	1.00	77.30	175.39	195.00	0.01	DWC	200 mm
MH-9	MH-8	364.52	364.66	359.47	359.21	4.86	5.26	3829.00	45.20	1.24	1.00	50.70	175.39	195.00	0.01	DWC	200 mm
MH-10	MH-9	364.97	364.52	359.74	359.47	5.04	4.86	3829.00	48.80	1.24	1.00	50.70	175.39	195.00	0.01	DWC	200 mm
MH-11	MH-10	363.99	364.97	360.07	359.74	3.72	5.04	3829.00	57.40	1.24	1.00	50.70	175.39	195.00	0.01	DWC	200 mm
MH-12	MH-11	363.75	363.99	360.40	360.07	3.15	3.72	3829.00	58.20	1.24	1.00	50.70	175.39	195.00	0.01	DWC	200 mm
MH-13	MH-12	363.59	363.75	360.75	360.40	2.64	3.15	3829.00	61.60	1.24	1.00	50.70	175.39	195.00	0.01	DWC	200 mm
MH-14	MH-13	363.29	363.59	360.97	360.75	2.12	2.64	3829.00	38.60	1.24	1.00	50.70	175.39	195.00	0.01	DWC	200 mm
MH-15	MH-14	362.84	363.29	361.20	360.97	1.44	2.12	3829.00	39.70	1.24	1.00	50.70	175.39	195.00	0.01	DWC	200 mm
MH-16	MH-7	362.50	362.54	359.06	358.93	3.19	3.37	8659.00	55.30	2.81	0.87	77.90	413.08	245.00	0.01	DWC	250 mm
MH-17	MH-16	362.91	362.50	359.19	359.06	3.47	3.19	8659.00	54.20	2.81	0.87	74.50	413.08	245.00	0.01	DWC	250 mm
MH-18	MH-17	363.45	362.91	359.33	359.19	3.88	3.47	8659.00	55.60	2.81	0.87	74.20	413.08	245.00	0.01	DWC	250 mm
MH-19	MH-18	364.31	363.45	359.45	359.33	4.62	3.88	8659.00	49.80	2.81	0.87	74.20	413.08	245.00	0.01	DWC	250 mm
MH-20	MH-19	363.90	364.31	359.50	359.45	4.16	4.62	8659.00	20.80	2.81	0.87	74.20	413.08	245.00	0.01	DWC	250 mm
MH-21	MH-20	364.35	363.90	359.58	359.50	4.53	4.16	8659.00	33.40	2.81	0.87	74.20	413.08	245.00	0.01	DWC	250 mm
MH-22	MH-21	364.35	364.35	359.67	359.58	4.43	4.53	8659.00	38.60	2.81	0.87	74.20	413.08	245.00	0.01	DWC	250 mm
MH-23	MH-22	363.78	364.35	359.80	359.67	3.73	4.43	8659.00	52.40	2.81	0.87	74.20	413.08	245.00	0.01	DWC	250 mm
MH-23	MH-24	363.78	363.58	359.80	359.95	3.78	3.44	3700.00	43.60	1.20	0.81	74.50	295.85	195.00	0.01	DWC	200 mm
MH-24	MH-25	363.58	364.08	359.95	360.09	3.44	3.80	3700.00	43.10	1.20	0.81	55.80	295.85	195.00	0.01	DWC	200 mm
MH-25	MH-26	364.08	363.14	360.09	360.26	3.80	2.68	3700.00	50.00	1.20	0.81	55.80	295.85	195.00	0.01	DWC	200 mm
MH-26	MH-27	363.14	362.81	360.26	360.43	2.68	2.19	3700.00	49.60	1.20	0.81	55.80	295.85	195.00	0.01	DWC	200 mm
MH-27	MH-28	362.81	362.87	360.43	360.45	2.19	2.22	3700.00	6.10	1.20	0.81	55.80	295.85	195.00	0.01	DWC	200 mm
MH-28	MH-29	362.87	362.84	360.45	360.56	2.22	2.09	1825.00	33.40	0.59	0.68	46.50	295.85	195.00	0.01	DWC	200 mm
MH-29	MH-30	362.84	362.54	360.56	360.67	2.09	1.68	1825.00	32.60	0.59	0.68	37.20	295.85	195.00	0.01	DWC	200 mm
MH-30	MH-31	362.54	362.41	360.67	360.85	1.68	1.37	1825.00	52.10	0.59	0.68	37.20	295.85	195.00	0.01	DWC	200 mm
MH-31	MH-34	362.41	362.20	360.85	361.01	1.37	1.00	1825.00	45.80	0.59	0.68	37.20	295.85	195.00	0.01	DWC	200 mm
MH-28	MH-35	362.87	363.13	360.45	360.56	2.22	2.37	1875.00	30.80	0.61	0.69	46.50	280.23	195.00	0.01	DWC	200 mm
MH-35	MH-36	363.13	362.88	360.56	360.71	2.37	1.98	1875.00	40.50	0.61	0.69	37.20	280.23	195.00	0.01	DWC	200 mm
MH-36	MH-37	362.88	362.94	360.71	360.82	1.98	1.93	1875.00	31.20	0.61	0.69	37.20	280.23	195.00	0.01	DWC	200 mm
MH-37	MH-38	362.94	363.11	360.82	361.04	1.93	1.87	1875.00	61.80	0.61	0.69	37.20	280.23	195.00	0.01	DWC	200 mm
MH-38	MH-42	363.11	362.40	361.04	361.21	1.87	1.00	1875.00	47.10	0.61	0.69	37.20	280.23	195.00	0.01	DWC	200 mm
MH-43	MH-23	364.17	363.78	359.88	359.81	4.10	3.78	4959.00	19.60	1.61	0.91	79.90	262.31	195.00	0.01	DWC	200 mm
MH-44	MH-43	363.71	364.17	360.06	359.88	3.45	4.10	4959.00	44.90	1.61	0.93	66.40	245.87	195.00	0.01	DWC	200 mm
MH-45	MH-44	363.46	363.71	360.24	360.06	3.02	3.45	2864.00	44.10	0.93	0.82	54.40	245.87	195.00	0.01	DWC	200 mm
MH-46	MH-45	363.86	363.46	360.44	360.24	3.22	3.02	2864.00	49.30	0.93	0.82	45.40	245.87	195.00	0.01	DWC	200 mm
MH-47	MH-46	364.88	363.86	360.66	360.44	4.02	3.22	2864.00	53.00	0.93	0.82	45.40	245.87	195.00	0.01	DWC	200 mm
MH-48	MH-47	365.03	364.88	360.75	360.66	4.09	4.02	2864.00	21.50	0.93	0.82	45.40	245.87	195.00	0.01	DWC	200 mm
MH-49	MH-48	365.36	365.03	360.97	360.75	4.20	4.09	2864.00	54.50	0.93	0.82	45.40	245.87	195.00	0.01	DWC	200 mm
MH-50	MH-49	364.77	365.36	361.19	360.97	3.38	4.20	2864.00	55.60	0.93	0.82	45.40	245.87	195.00	0.01	DWC	200 mm
MH-51	MH-50	364.33	364.77	361.38	361.19	2.75	3.38	2864.00	46.80	0.93	0.82	45.40	245.87	195.00	0.01	DWC	200 mm
MH-52	MH-51	365.15	364.33	361.56	361.38	3.39	2.75	2864.00	43.80	0.93	0.82	45.40	245.87	195.00	0.01	DWC	200 mm
MH-52	MH-53	365.15	364.67	361.56	362.00	3.39	2.48	2051.00	37.60	0.67	1.09	41.70	85.80	195.00	0.01	DWC	200 mm
MH-53	MH-57	364.67	363.60	362.00	362.41	2.48	1.00	2051.00	39.80	0.67	1.04	33.90	98.19	195.00	0.01	DWC	200 mm
MH-58	MH-52	365.26	365.15	361.67	361.56	3.39	3.39	813.00	21.60	0.26	0.62	34.50	198.52	195.00	0.01	DWC	200 mm
MH-59	MH-58	365.08	365.26	361.97	361.67	2.92	3.39	813.00	60.00	0.26	0.62	22.90	198.52	195.00	0.01	DWC	200 mm
MH-60	MH-59	364.22	365.08	362.06	361.97	1.96	2.92	813.00	17.60	0.26	0.62	22.90	198.52	195.00	0.01	DWC	200 mm
MH-61	MH-60	362.49	364.22	362.32	362.06	-0.03	1.96	813.00	52.00	0.26	0.62	22.90	198.52	195.00	0.01	DWC	200 mm
MH-62	MH-61	363.31	362.49	362.47	362.32	0.64	-0.03	813.00	28.80	0.26	0.62	22.90	198.52	195.00	0.01	DWC	200 mm
MH-64	MH-62	363.80	363.31	362.60	362.47	1.01	0.64	813.00	26.20	0.26	0.62	22.90	198.52	195.00	0.01	DWC	200 mm

KEY PLAN  
SEWER LINE WITH MANHOLE  
CHAMBER - (@L-2343.60M)

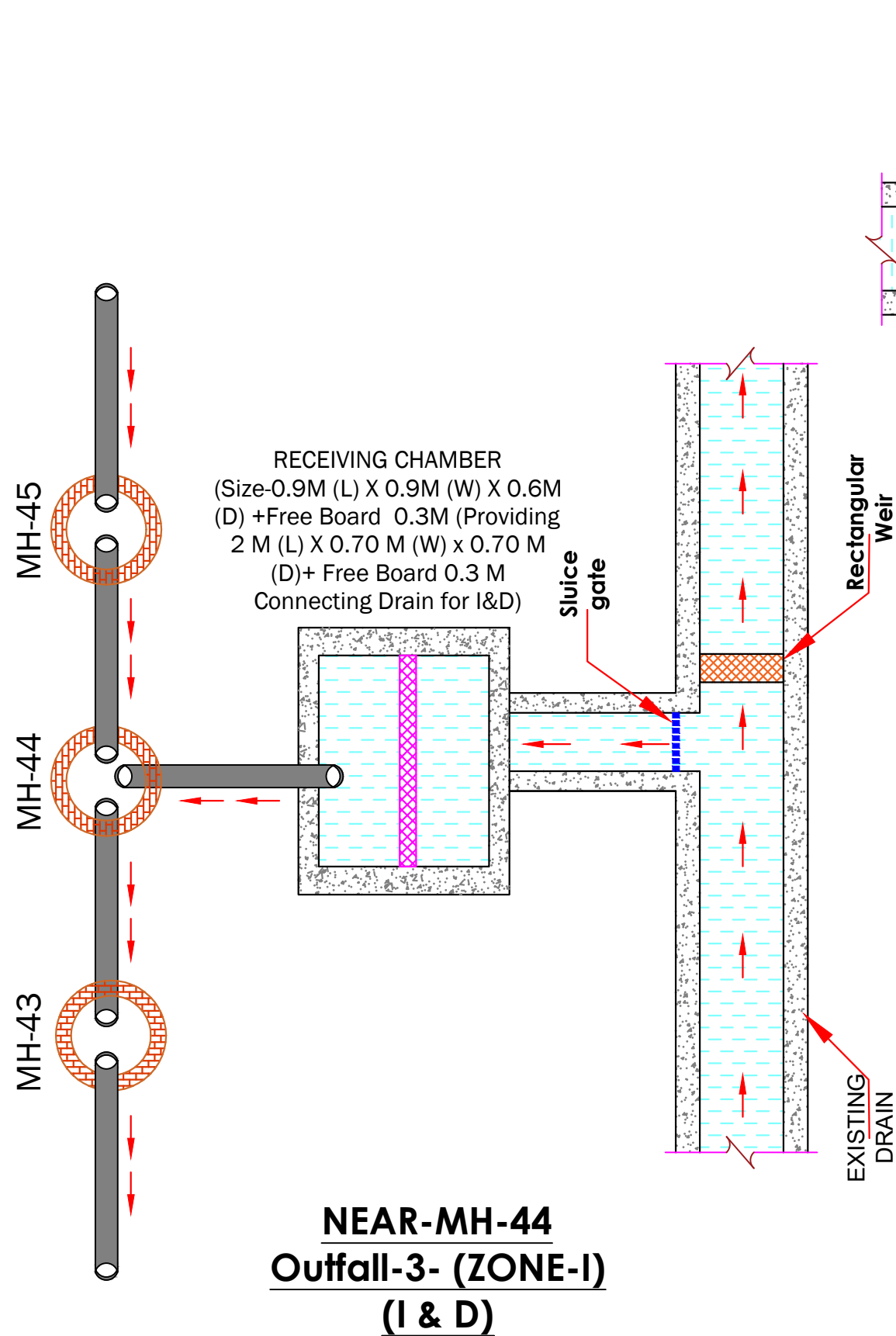
ULB NAME		PANDATARAI		Project Name and Address:									
DISTRICT		KABIRDHAM		USED WATER MANAGEMENT PLAN FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh - DURG division.									
ULB CODE		801948		Drawing Title:	KEY PLAN SEWER LINE WITH MANHOLE CHAMBER - <u>(@L-2343.60M)</u>			CLIENT		STATE URBAN DEVELOPMENT AGENCY (C.G.)			
DWG NO.		1						 Santhia Bhadracharya (Santhia) (Madhya Pradesh)		URBAN LOCAL BODY (U.L.B.)		NAGAR PANCHAYAT PANDATARAI DIV-DURG	
SOAK PIT		Ref. Vol. - 1											
S.T.P.		Ref. Vol. - 1											
COVERED WARD		1,4,5,6,7,8,9, 10,11,12,13, 14,15			NAME		DATE		CONSULTANT		<b>WAPCOS Limited</b> (A Government of India under taking ) Email- Wapcos Raipur@gmail.com raipur@wapcos.co.in Contact - 07712430525,01242399421		
RELEASED FOR CONSTRUCTION		INFORMATION SUBMISSION APPROVAL CONSTRUCTION		DRAWN		S.M.A		02.10.2024					
				DESIGNED		S.D.		02.10.2024					
				CHECKED		H.S.		02.10.2024					
				APPROVED		H.S.		02.10.2024					
				REVISION		SIZE							
						A3		SCALE :-					



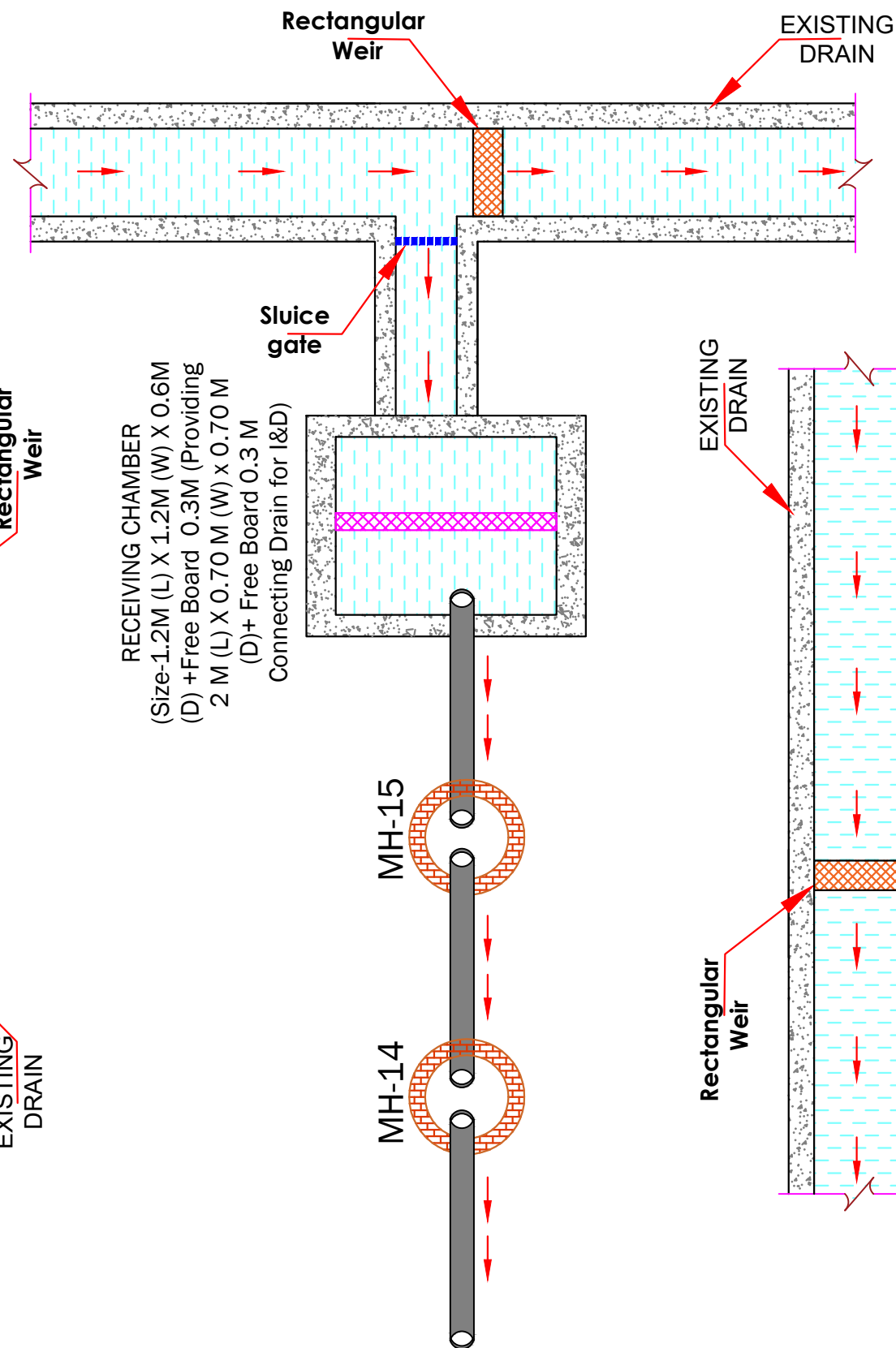


ULB NAME		PANDATARAI		Project Name and Address:					
DISTRICT		KABIRDHAM		USED WATER MANAGEMENT PLAN FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh - DURG division.					
ULB CODE		801948		<div>CLIENT</div> <div>State Urban Development Agency (Chhattisgarh)</div> <div>STATE URBAN DEVELOPMENT AGENCY (C.G)</div>					
DWG NO.		1							
SOAK PIT		Ref. Vol. - 1		<div>URBAN LOCAL BODY (U.L.B.)</div> <div>NAGAR PANCHAYAT PANDATARAI DIV-DURG</div>					
S.T.P.		Ref. Vol. - 1							
COVERED WARD		1,4,5,6,7,8,9, 10,11,12,13, 14,15		<div>DRAWN</div> <div>S.M.A</div> <div>02.10.2024</div>		<div>CONSULTANT</div> <div>WAPCOS</div> <div>(A Government of India under taking ) Email- wapcos.raipur@gmail.com, raipur@wapcos.co.in Contact - 07712430525,01242399421</div>			
				<div>DESIGNED</div> <div>S.D.</div> <div>02.10.2024</div>					
				<div>CHECKED</div> <div>H.S.</div> <div>02.10.2024</div>					
				<div>APPROVED</div> <div>H.S.</div> <div>02.10.2024</div>					
RELEASED FOR	INFORMATION				REVISION		SIZE		
	SUBMISSION						A3		
	APPROVAL		✓				SCALE :-		
CONSTRUCTION									

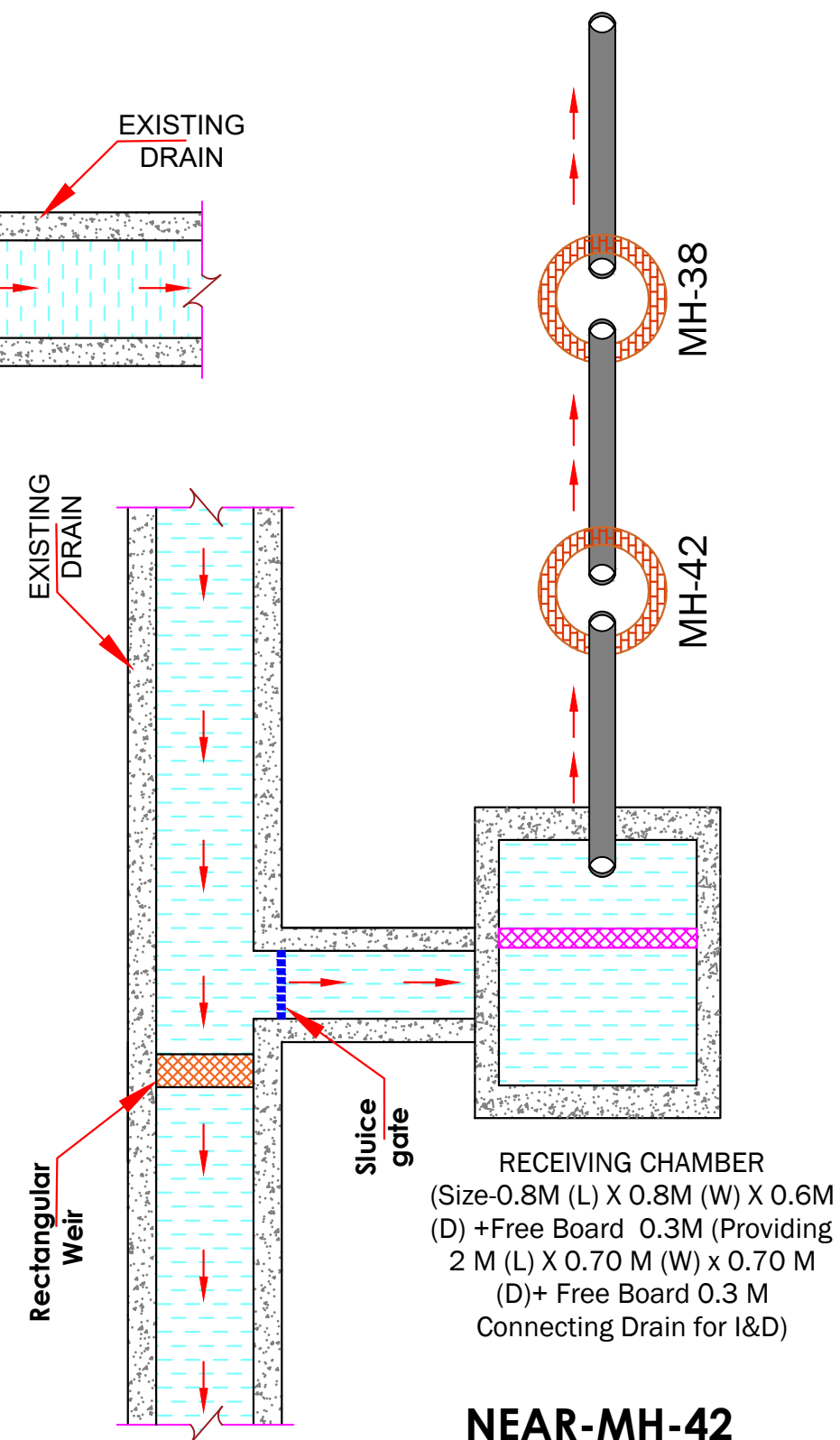




**NEAR-MH-44**  
**Outfall-3- (ZONE-I)**  
**(I & D)**





**NEAR-MH-15**  
**Outfall-6- (ZONE-I)**  
**(I & D)**

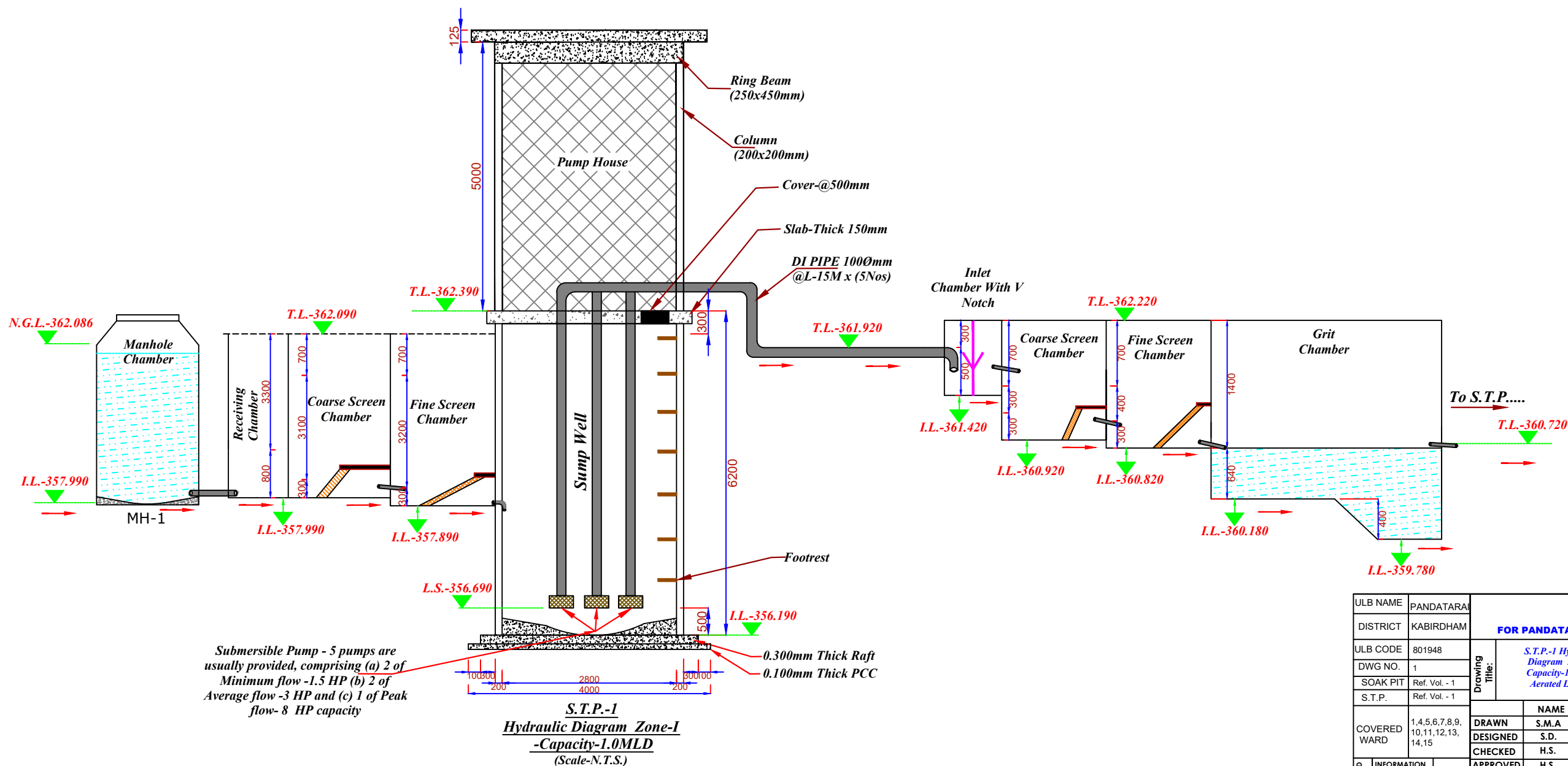
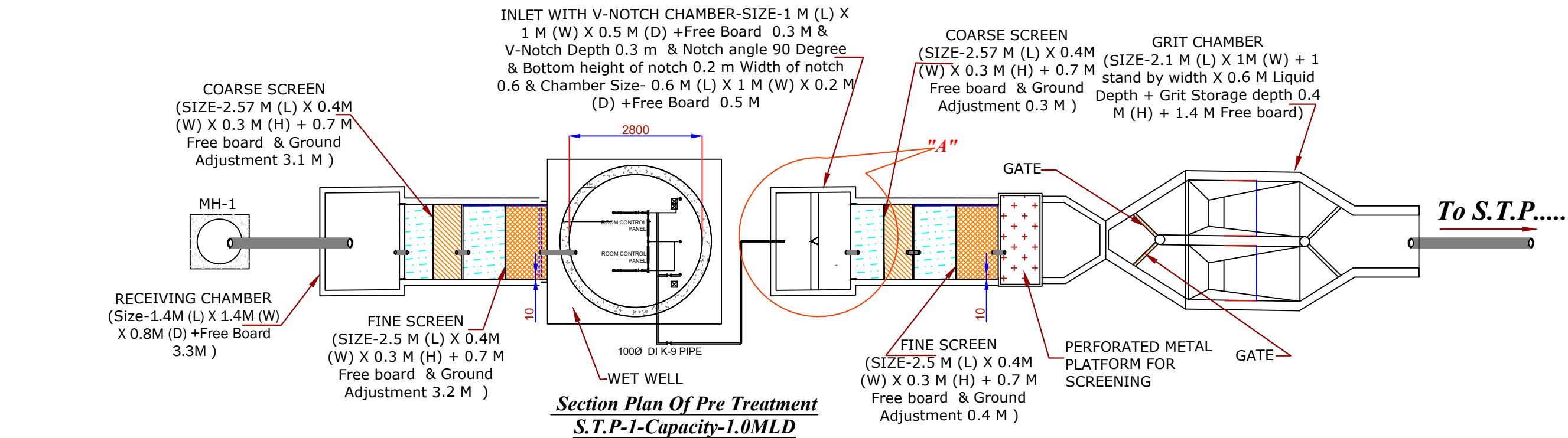


**NEAR-MH-42**  
**Outfall-5- (ZONE-I)**  
**(I & D)**

***INTERCEPTION DIVERSION - (I & D) FOR DRAIN***  
***S.T.P.-1 - ZONE-I Capacity-1.0 MLD***

ULB NAME		PANDATARAI		Project Name and Address:			
DISTRICT		KABIRDHAM		USED WATER MANAGEMENT PLAN FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh – DURG division.			
ULB CODE		801948		Drawing Title: <b>INTERCEPTION DIVERSION - (I &amp; D) FOR DRAIN S.T.P.-1 - ZONE-I Capacity-1.0 MLD</b>	CLIENT		 <b>STATE URBAN DEVELOPMENT AGENCY (C.G.)</b>
DWG NO.		1			URBAN LOCAL BODY (U.L.B.)		
SOAK PIT		Ref. Vol. - 1			CONSULTANT		
S.T.P.		Ref. Vol. - 1			 <b>WAPCOS Limited</b> (A Government of India under taking) Email- Wapcos Raipur@gmail.com raipur@wapcos.co.in Contact - 07712430525,01242399421		
COVERED WARD		1,4,5,6,7,8,9, 10,11,12,13, 14,15		DRAWN	NAME S.M.A	DATE 02.10.2024	<b>NAGAR PANCHAYAT PANDATARAI DIV-DURG</b>
				DESIGNED	S.D.	02.10.2024	
				CHECKED	H.S.	02.10.2024	
				APPROVED	H.S.	02.10.2024	
				REVISION		SIZE A3	
RELEASED	INFORMATION			SCALE :-			
	SUBMISSION						
	APPROVAL	✓					
	CONSTRUCTION						

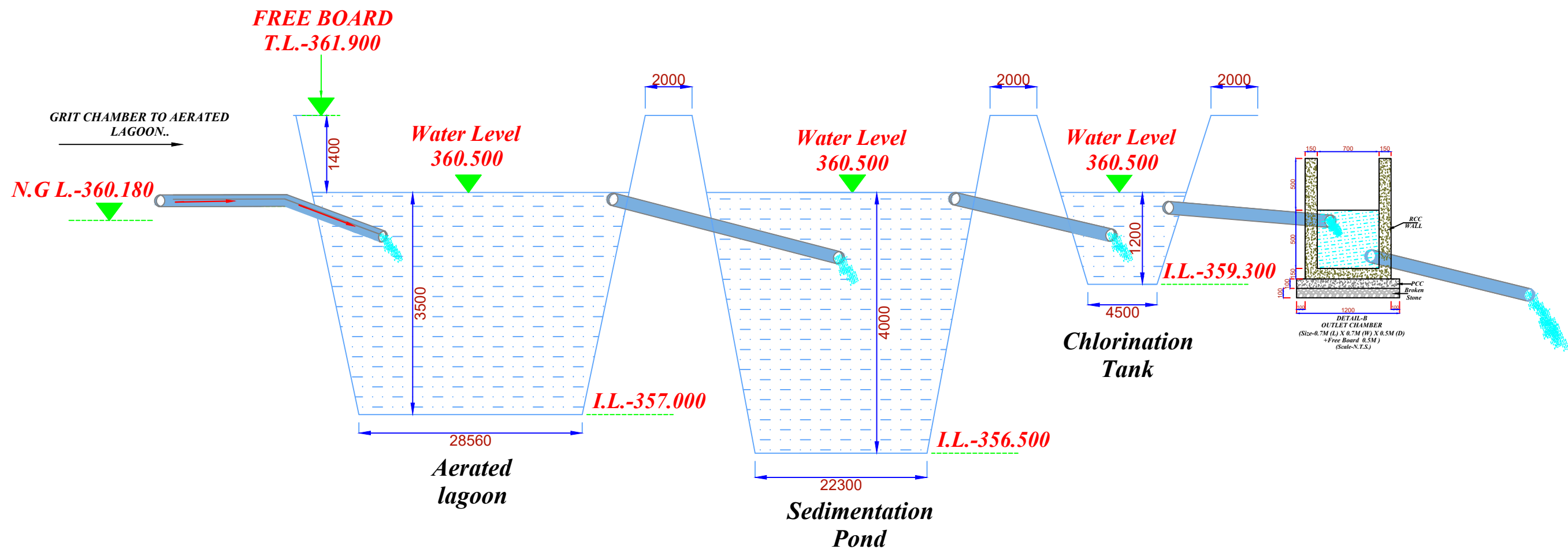




LEGENDS	
I.L.	INVERT LEVEL
T.L.	TOP LEVEL
L.S.	LOWEST SUCTION
L.L.	LIQUID LEVEL



ULB NAME	PANDATARAI	Project Name and Address:	
DISTRICT	KABIRDHAM	USED WATER MANAGEMENT PLAN	
ULB CODE	801948	FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh - DURG division.	
DWG NO.	1	Drawing Title:	
SOAK PIT	Ref. Vol. - 1	S.T.P.-1 Hydraulic Diagram Zone-I Capacity-1.0MLD Aerated Lagoon	
S.T.P.	Ref. Vol. - 1	CLIENT	
COVERED WARD	1,4,5,6,7,8,9,10,11,12,13,14,15	STATE URBAN DEVELOPMENT AGENCY (C.G.)	
INFORMATION		NAGAR PANCHAYAT PANDATARAI DIV-DURG	
SUBMISSION		CONSULTANT	
APPROVAL		WAPCOS Limited	
CONSTRUCTION		[A Government of India under taking]	
		Email- wapcos.raipur@gmail.com	
		Contact - 07712430525,01242399421	
		SCALE :-	
		A3	



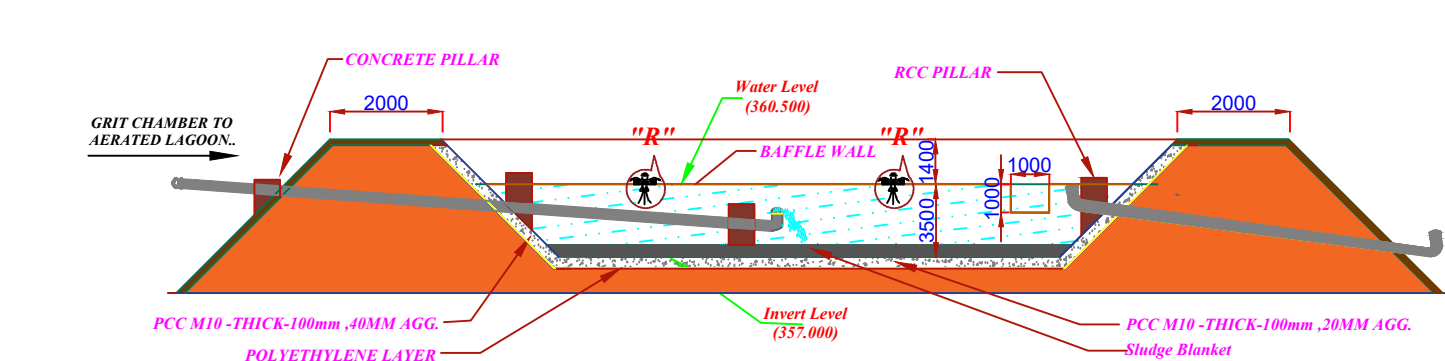


**S.T.P.-1 Details Of Water Level**  
**Zone-I Capacity-1.0MLD Aerated Lagoon**  
(Scale-N.T.S.)

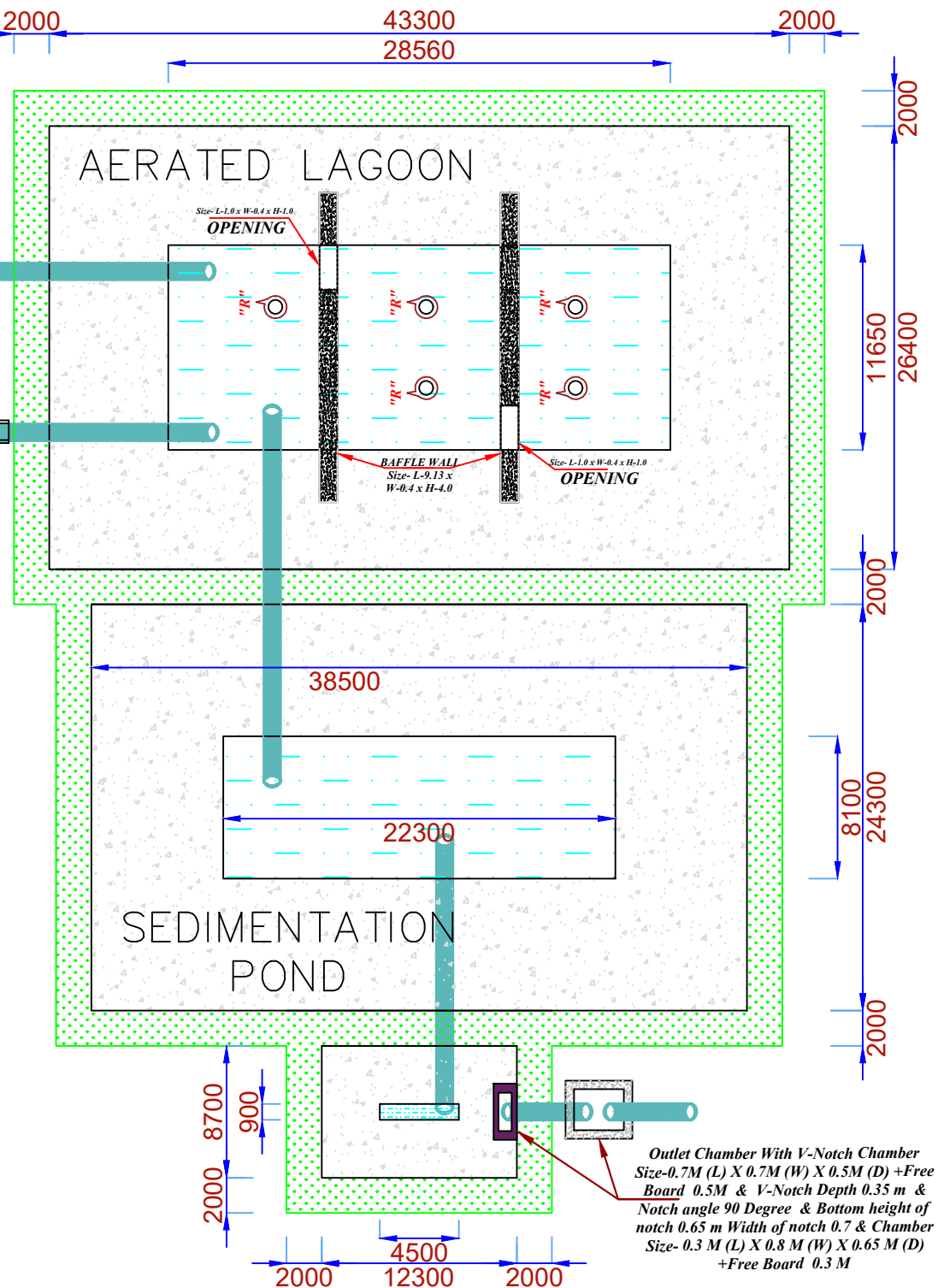
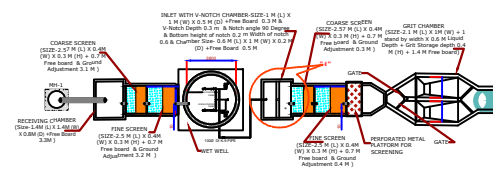
LEGENDS	
I.L.	INVERT LEVEL
T.L.	TOP LEVEL
L.S.	LOWEST SUCTION
L.L.	LIQUID LEVEL

ULB NAME	PANDATARAI	Project Name and Address: <b>USED WATER MANAGEMENT PLAN FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh – DURG division.</b>			
DISTRICT	KABIRDHAM	Drawing Title:	<b>S.T.P.-1 Details Of Water Level Zone-I Capacity-1.0MLD Aerated Lagoon</b>		CLIENT  <b>STATE URBAN DEVELOPMENT AGENCY (C.G.)</b>
ULB CODE	801948				URBAN LOCAL BODY (U.L.B.) <b>PANDATARAI</b>
DWG NO.	1				CONSULTANT  <b>WAPCOS Limited</b> (A Government of India under taking ) Email- Wapcos Raipur@gmail.com, raipur@wapcos.co.in Contact - 07712430525,01242399421
SOAK PIT	Ref. Vol. - 1				
S.T.P.	Ref. Vol. - 1				
COVERED WARD	1,4,5,6,7,8,9, 10,11,12,13, 14,15		NAME	DATE	
		DRAWN	S.M.A	02.10.2024	
		DESIGNED	S.D.	02.10.2024	
		CHECKED	H.S.	02.10.2024	
RELEASED FOR	INFORMATION SUBMISSION APPROVAL CONSTRUCTION	APPROVED	H.S.	02.10.2024	
		REVISION		SIZE	
				A3	SCALE :-



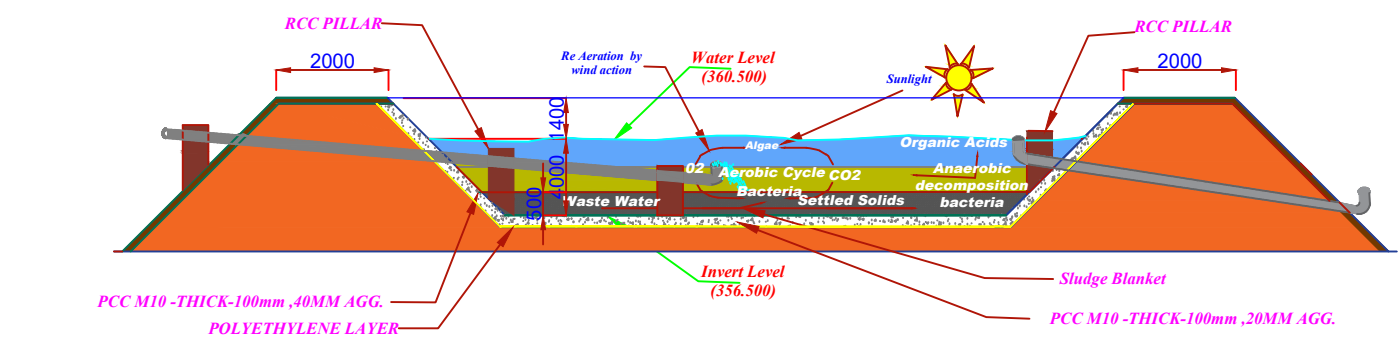


## AERATED LAGOON

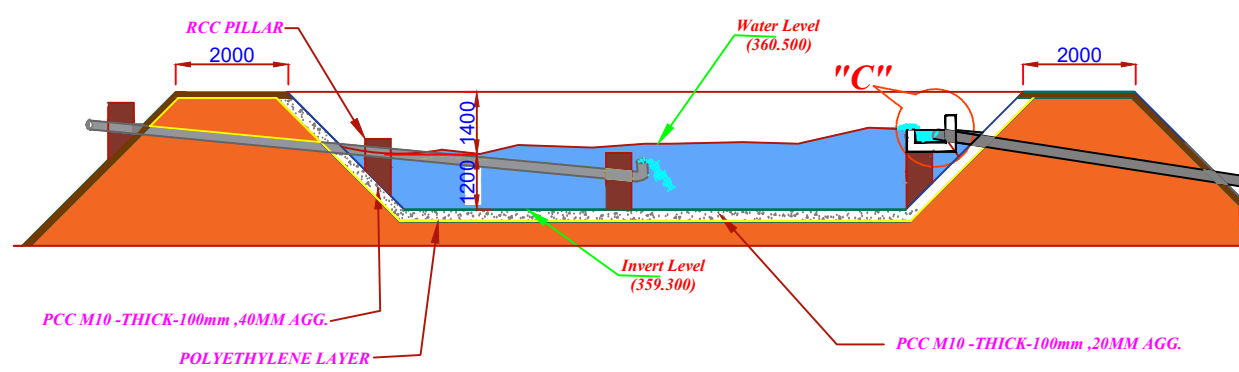


Outlet Chamber With V-Notch Chamber Size-0.7M (L) X 0.7M (W) X 0.5M (D) +Free Board 0.5M & V-Notch Depth 0.35 m & Notch angle 90 Degree & Bottom height of notch 0.65 m Width of notch 0.7 & Chamber Size- 0.3 M (L) X 0.8 M (W) X 0.65 M (D) +Free Board 0.3 M

## CHLORINATION TANK

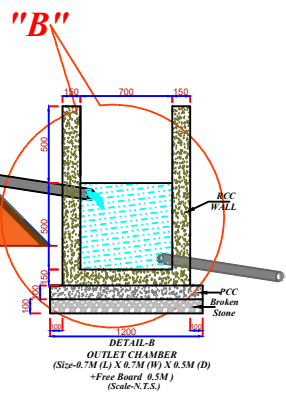


## SEDIMENTATION POND



## CHLORINATION TANK


### S.T.P.-Section



## PLAN - S.T.P.-1

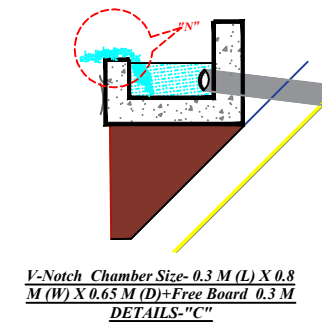
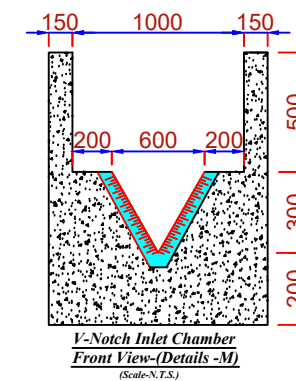
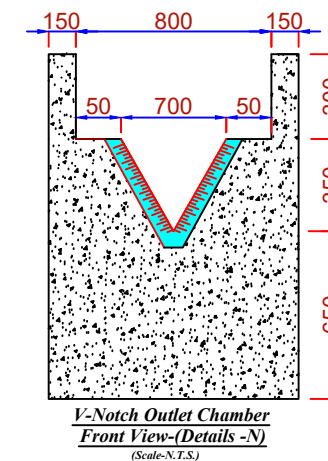
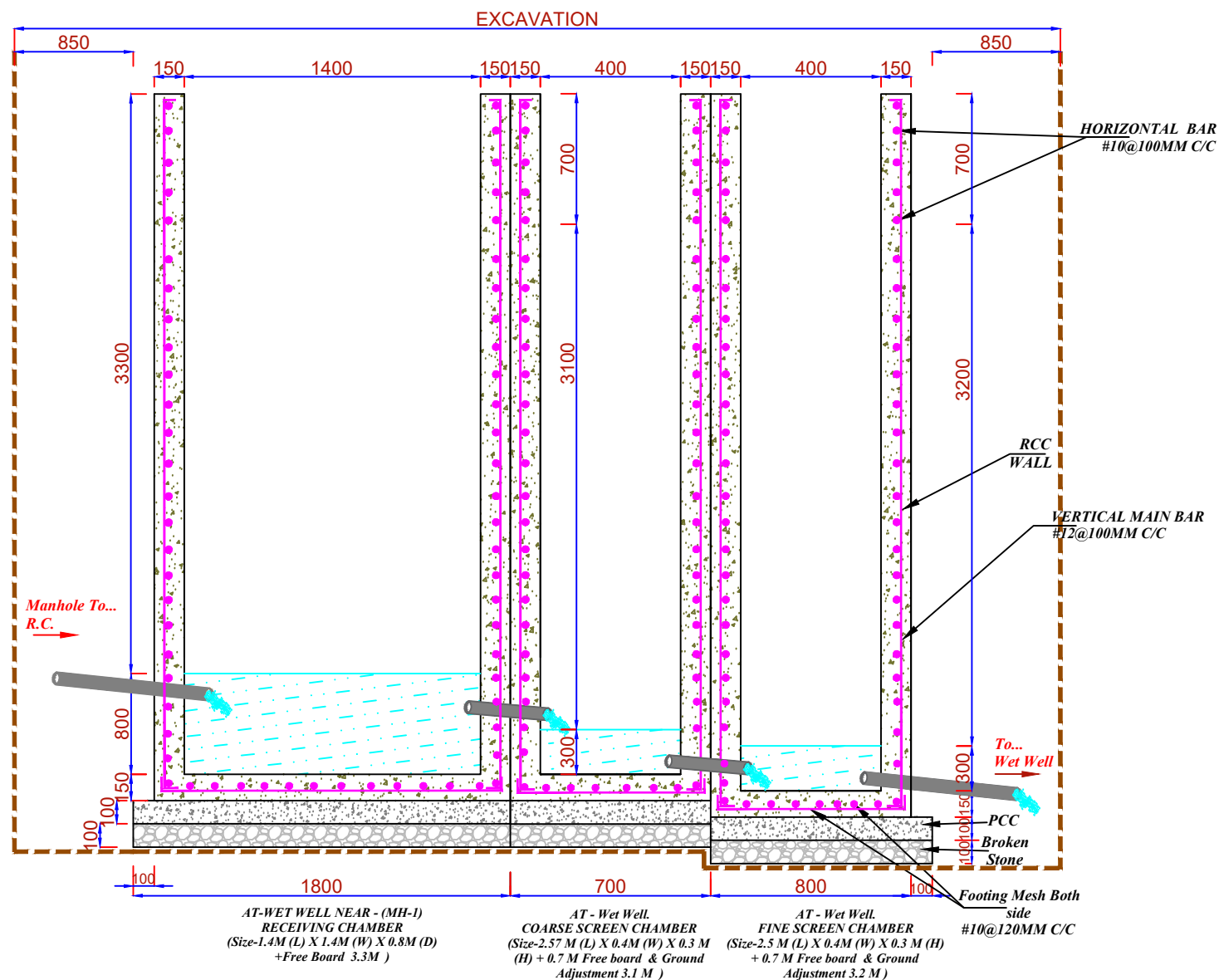
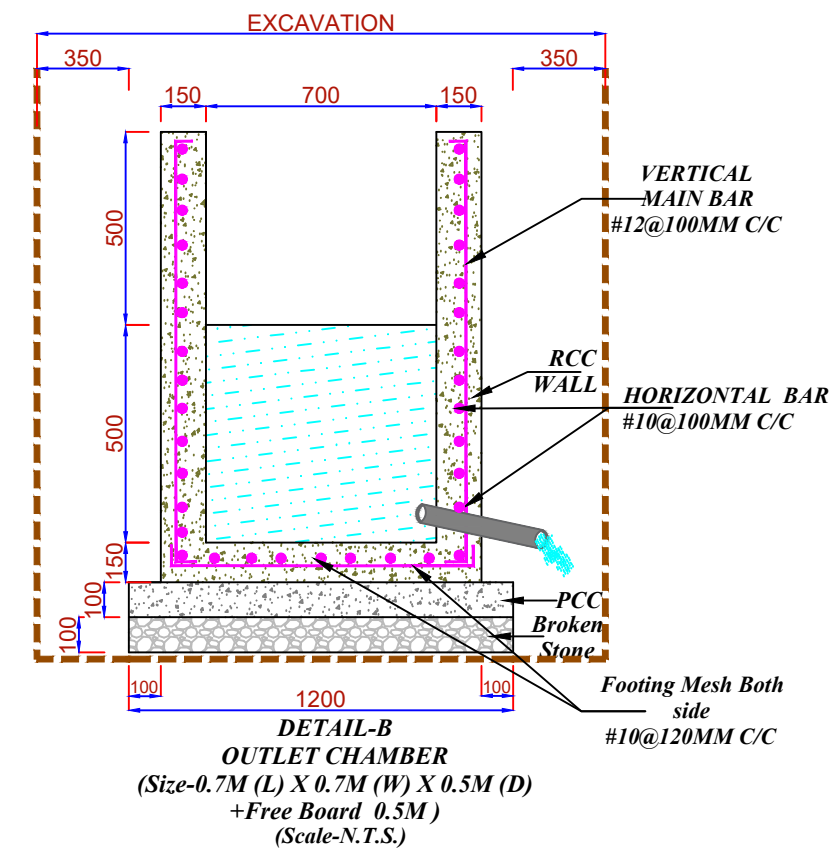
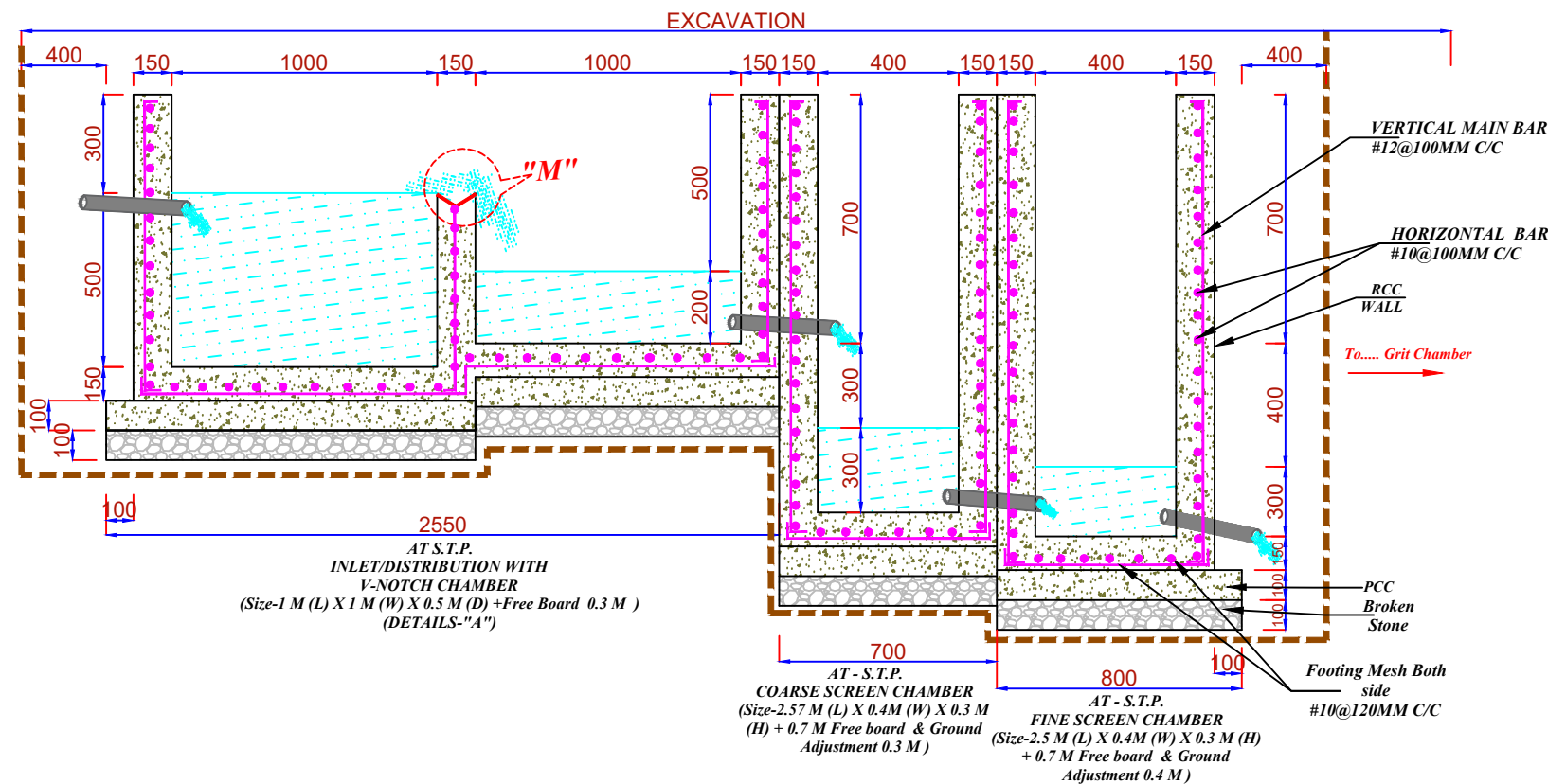
### Zone-I-Capacity-1.0MLD

(Scale-N.T.S.)



ULB NAME		PANDATARAI		Project Name and Address:				
DISTRICT		KABIRDHAM		USED WATER MANAGEMENT PLAN FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh - DURG division.				
ULB CODE		801948		Drawing Title:	SECTION & PLAN S.T.P.-I- AERATED LAGOON ZONE-I Capacity-1.0-MLD		 CLIENT State Urban Development Agency (C.G.)	STATE URBAN DEVELOPMENT AGENCY (C.G.)
DWG NO.		1						
SOAK PIT		Ref. Vol. - 1						
S.T.P.		Ref. Vol. - 1						
COVERED WARD		1,4,5,6,7,8,9,10,11,12,13,14,15			URBAN LOCAL BODY (U.L.B.)		NAGAR PANCHAYAT PANDATARAI DIV-DURG	
RELEASED	INFORMATION		DRAWN		S.M.A		02.10.2024	
	SUBMISSION		DESIGNED		S.D.		02.10.2024	
	APPROVAL		CHECKED		H.S.		02.10.2024	
	CONSTRUCTION		APPROVED		H.S.		02.10.2024	
			REVISION		SIZE		A3	
						SCALE :-		

[A Government of India under taking]  
Email- Wapcos Raipur@gmail.com  
raipur@wapcos.co.in  
Contact - 07712430525,01242399421

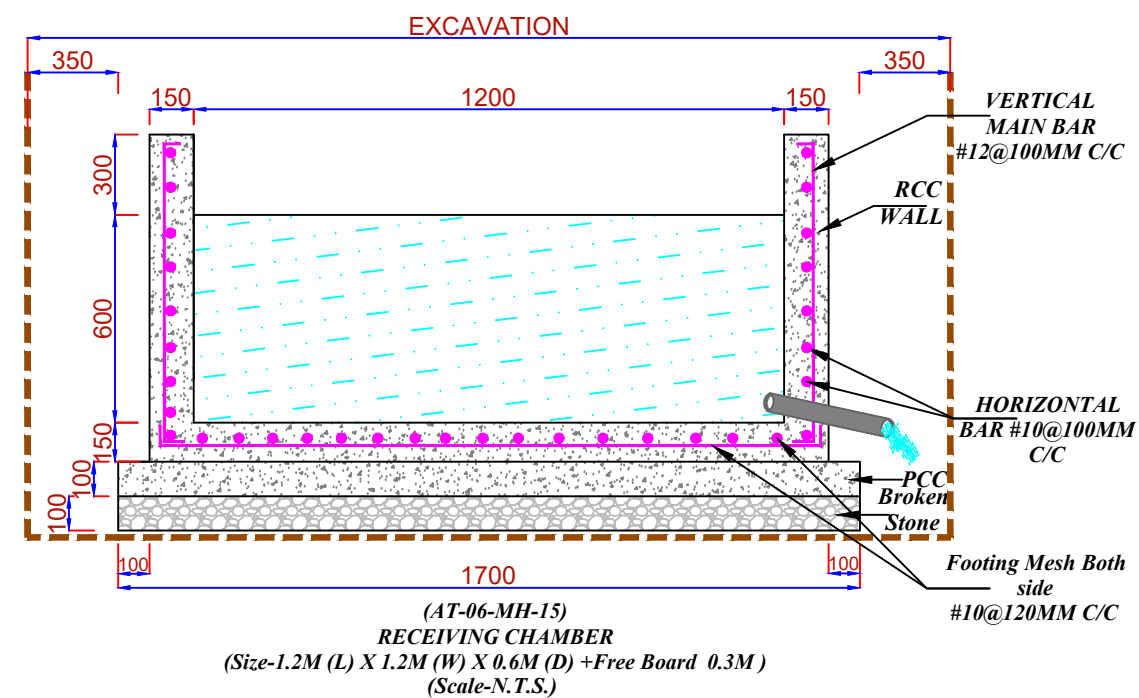
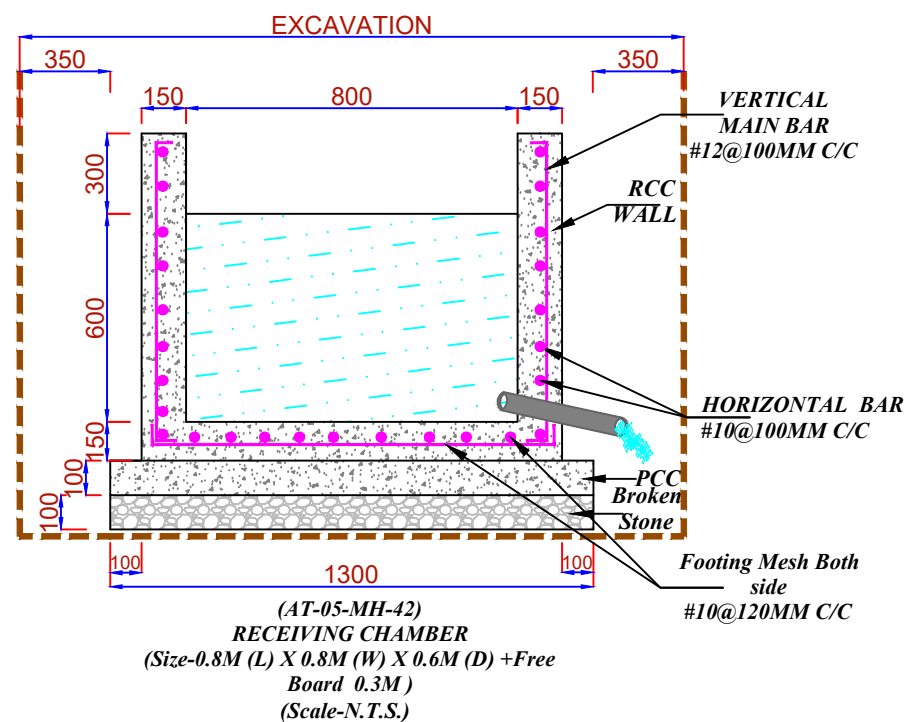
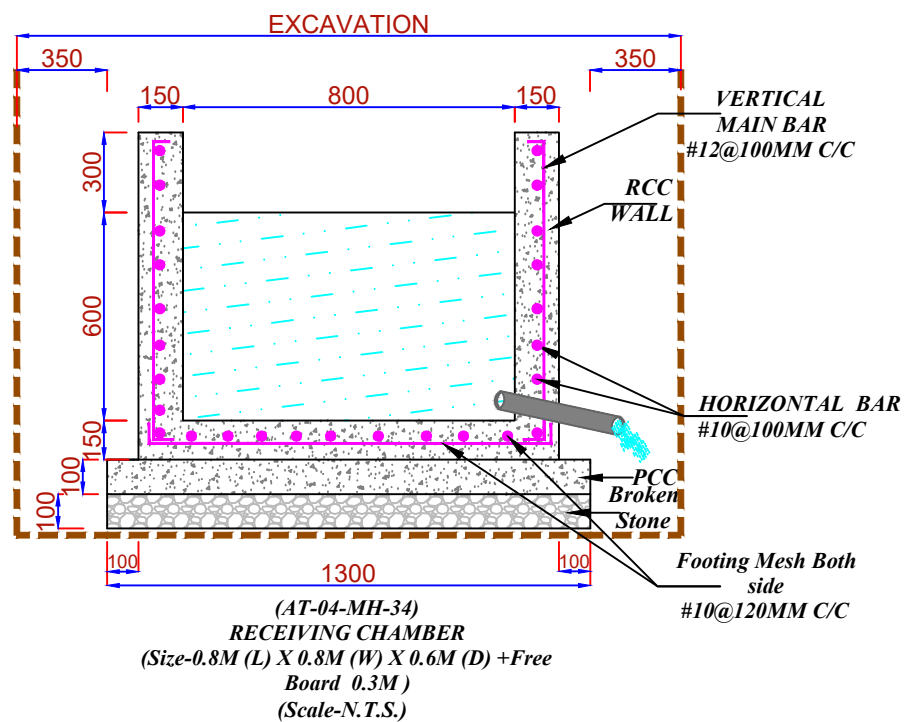
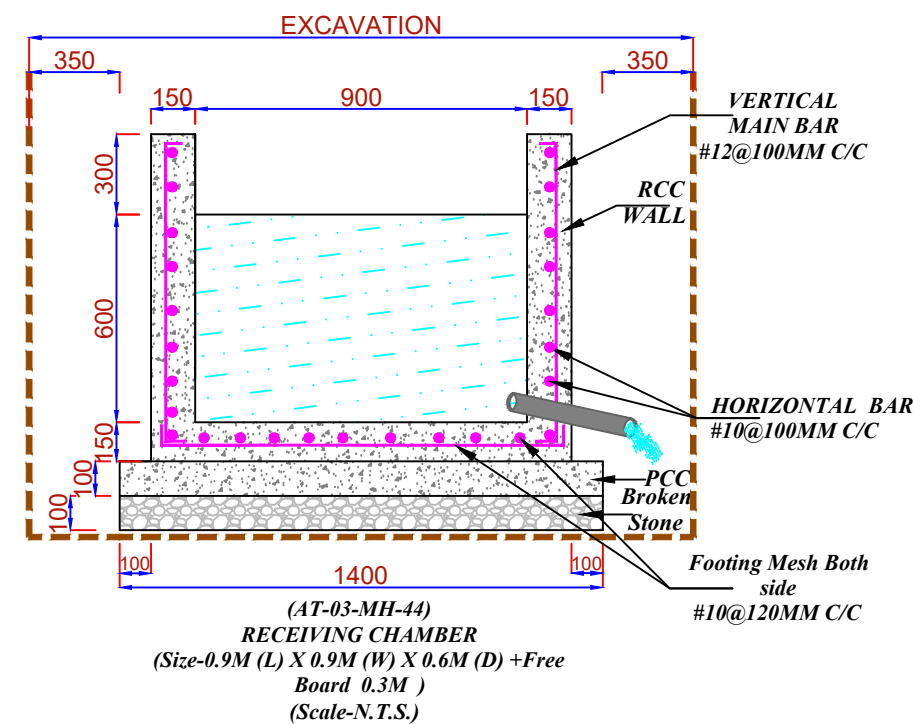
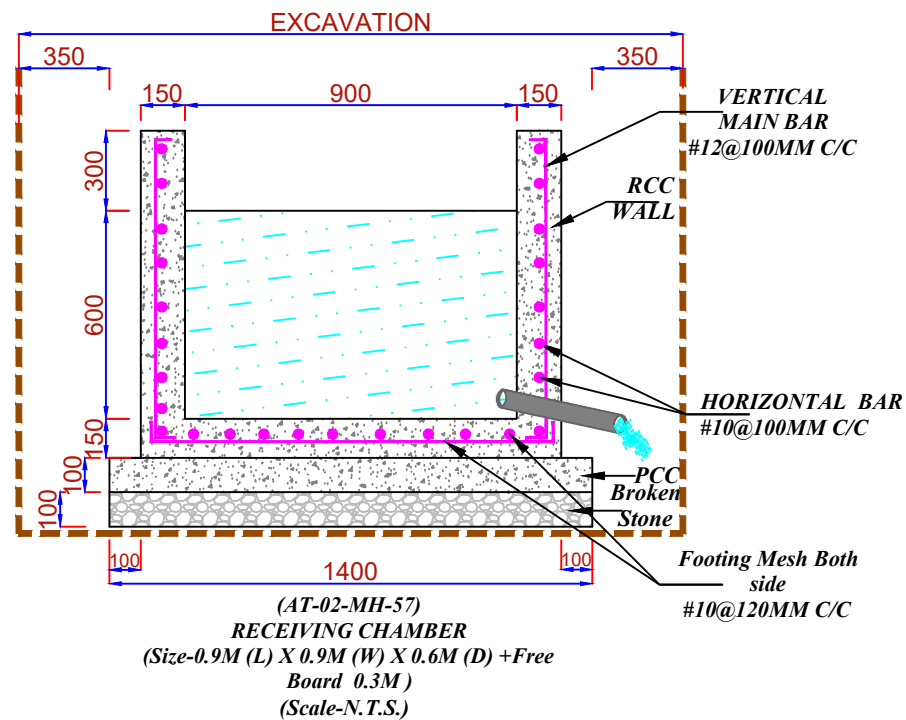
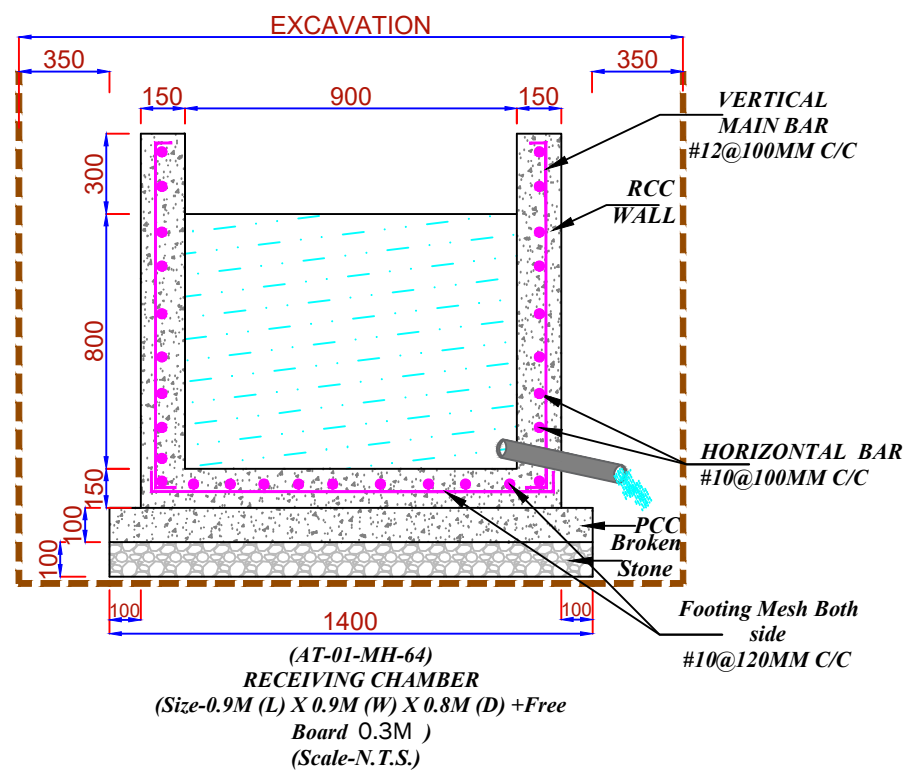






**DETAILS OF INLET, OUTLET WITH V-NOTCH & RECEIVING, FINE COARSE SCREEN CHAMBER - S.T.P.-I**  
**Zone-I-Capacity-1.0 MLD**

ULB NAME		PANDATARAI		Project Name and Address:			
DISTRICT		KABIRDHAM		USED WATER MANAGEMENT PLAN FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh – DURG division.			
ULB CODE		801948		Drawing Title:	<div><div>CLIENT</div><div>State Urban Development Agency (C.G.)</div></div>	<div><div>STATE URBAN DEVELOPMENT AGENCY (C.G.)</div></div>	
DWG NO.		1					
SOAK PIT		Ref. Vol. - 1					
S.T.P.		Ref. Vol. - 1					
COVERED WARD		1,4,5,6,7,8,9, 10,11,12,13, 14,15					
RELEASED FOR	INFORMATION		NAME		DATE		
	SUBMISSION		DRAWN		S.M.A 02.10.2024		
	APPROVAL		DESIGNED		S.D. 02.10.2024		
	CONSTRUCTION		CHECKED		H.S. 02.10.2024		
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REVISION			SIZE				
			A3				
			SCALE :-				

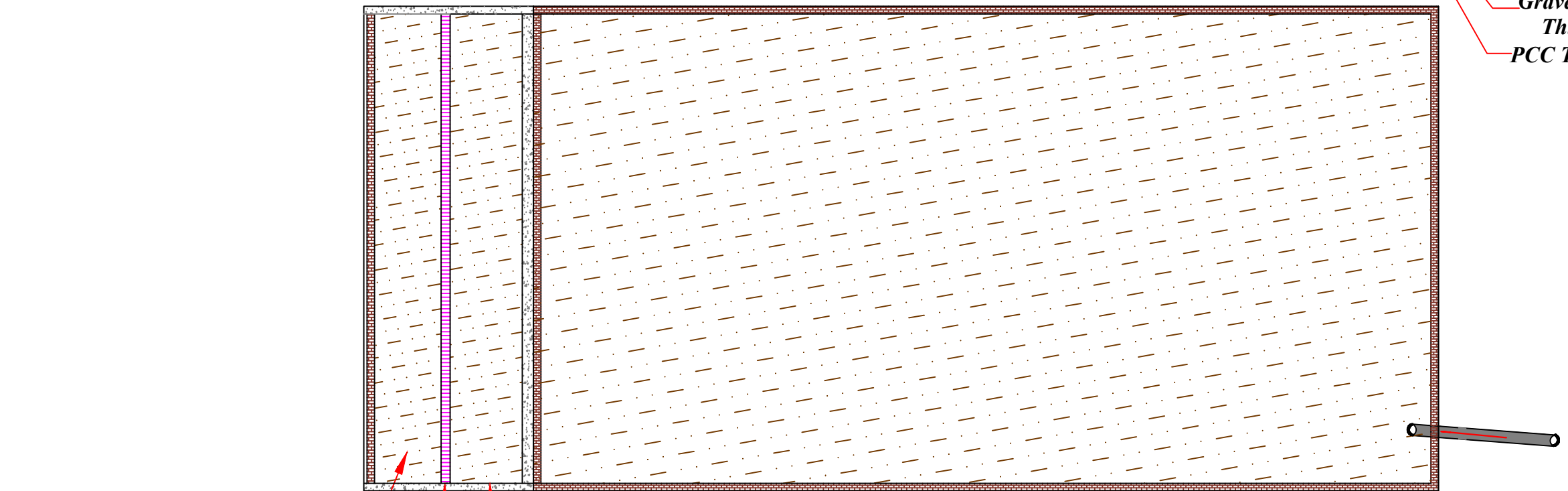
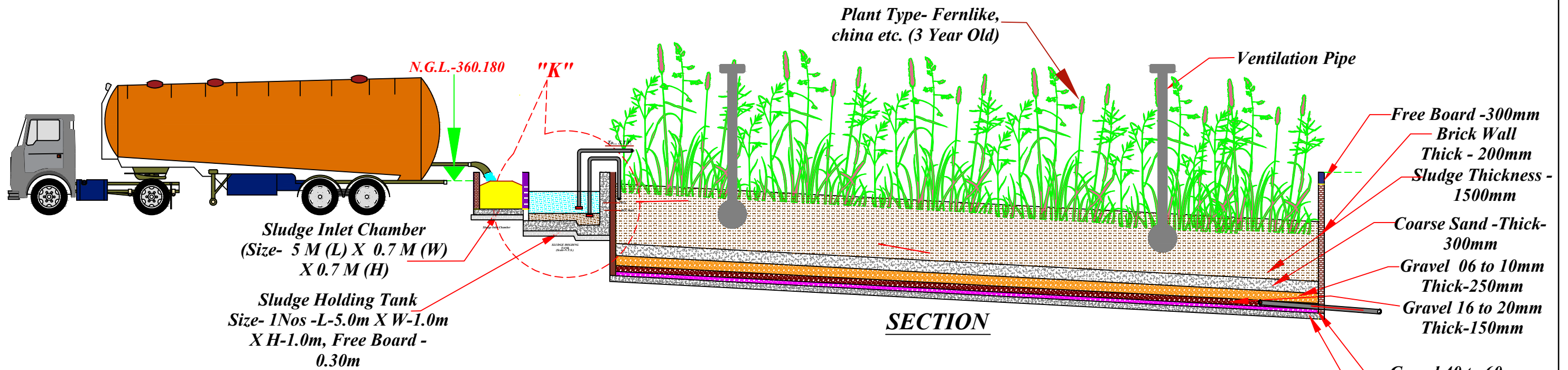




**S.T.P.-1**  
**Details Of Receiving Chamber Zone-I**  
**Capacity-1.0 MLD**  
**Aerated Lagoon**

ULB NAME		PANDATARAI		Project Name and Address:										
DISTRICT		KABIRDHAM		USED WATER MANAGEMENT PLAN FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh - DURG division.										
ULB CODE		801948		Drawing Title:	Details of Receiving Chamber S.T.P.-1 AERATED LAGOON ZONE-I Capacity-1.0-MLD			CLIENT						
DWG NO.		1							STATE URBAN DEVELOPMENT AGENCY (C.G)					
SOAK PIT		Ref. Vol. - 1							URBAN LOCAL BODY (U.L.B.)			NAGAR PANCHAYAT PANDATARAI DIV-DURG		
S.T.P.		Ref. Vol. - 1												
COVERED WARD		1,4,5,6,7,8,9, 10,11,12,13, 14,15												
RELEASED FOR	INFORMATION				DRAWN			S.M.A			02.10.2024			
	SUBMISSION				DESIGNED			S.D.			02.10.2024			
	APPROVAL		✓		CHECKED			H.S.			02.10.2024			
	CONSTRUCTION				APPROVED			H.S.			02.10.2024			
					REVISION			SIZE			A3			
										SCALE :-				
										CONSULTANT				
										WAPCOS Limited [A Government of India under taking ] Email- Wapcos Raipur@gmail.com, raipur@wapcos.co.in Contact - 07712430525,01242399421				



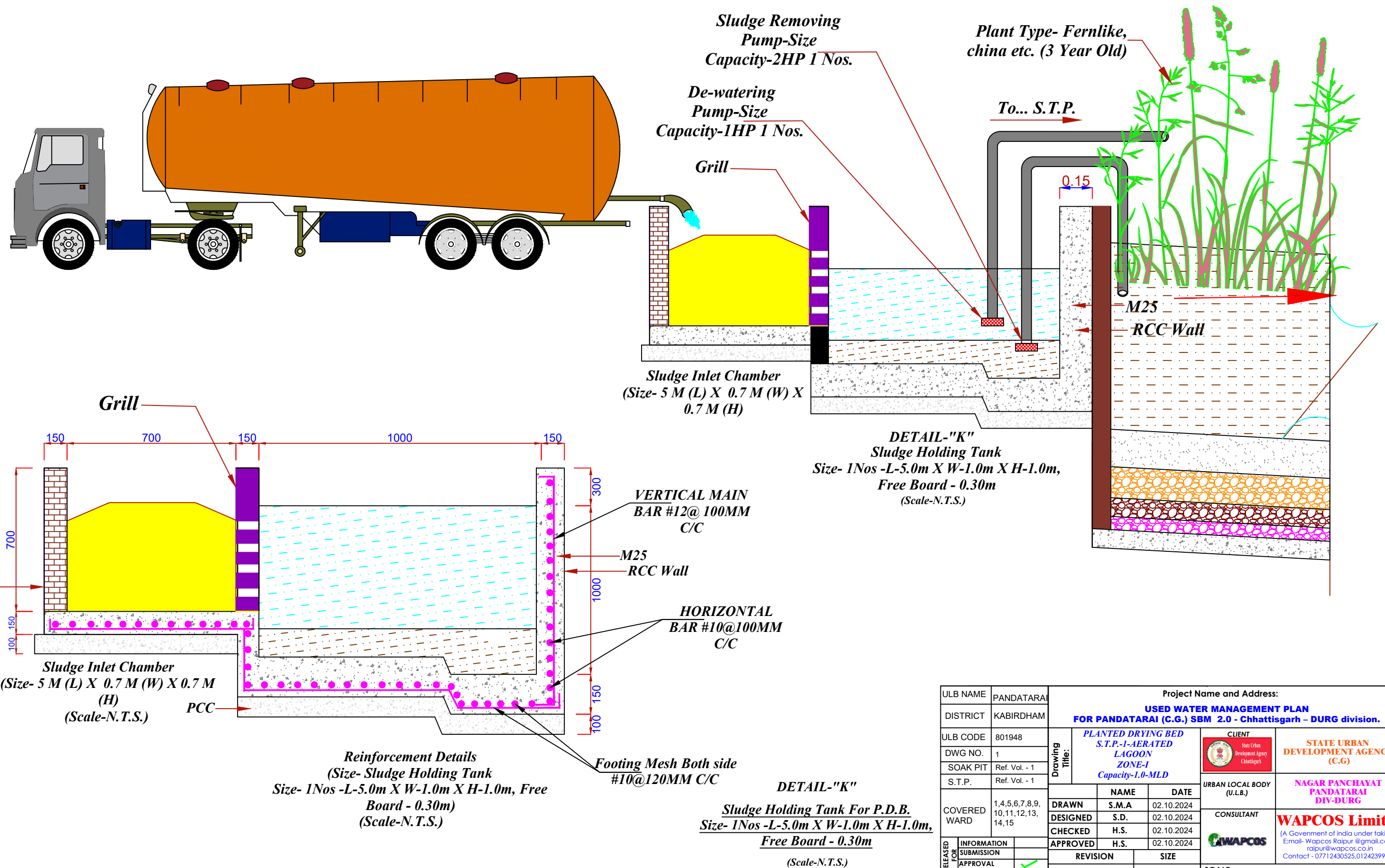




**PLAN - S.T.P.-1-CAPACITY-1.0 MLD**

**DETAILS-"F"**  
**PLANTED DRYING BED**  
 (Size- 1 No's Size of P.D.B. 10.1 M (L) X 5 M (W) X 2.6 M (D))

ULB NAME	PANDATARAI	Project Name and Address:			
DISTRICT	KABIRDHAM	USED WATER MANAGEMENT PLAN			
ULB CODE	801948	FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh – DURG division.			
DWG NO.	1	Drawing Title:	<b>PLANTED DRYING BED</b> <b>S.T.P.-1-AERATED</b> <b>LAGOON</b> <b>ZONE-I</b> <b>Capacity-1.0-MLD</b>		CLIENT
SOAK PIT	Ref. Vol. - 1				State Urban Development Agency Chhattisgarh
S.T.P.	Ref. Vol. - 1				URBAN LOCAL BODY (U.L.B.)
COVERED WARD	1,4,5,6,7,8,9,10,11,12,13,14,15				CONSULTANT
RELEASED	INFORMATION SUBMISSION APPROVAL CONSTRUCTION				WAPCOS Limited
		NAME	DATE		
		DRAWN	S.M.A	02.10.2024	<b>WAPCOS Limited</b> (A Government of India under taking) Email- Wapcos Raipur@gmail.com, raipur@wapcos.co.in Contact - 07712430525,01242399421
		DESIGNED	S.D.	02.10.2024	
		CHECKED	H.S.	02.10.2024	
		APPROVED	H.S.	02.10.2024	
		REVISION		SIZE	SCALE :-
				A3	



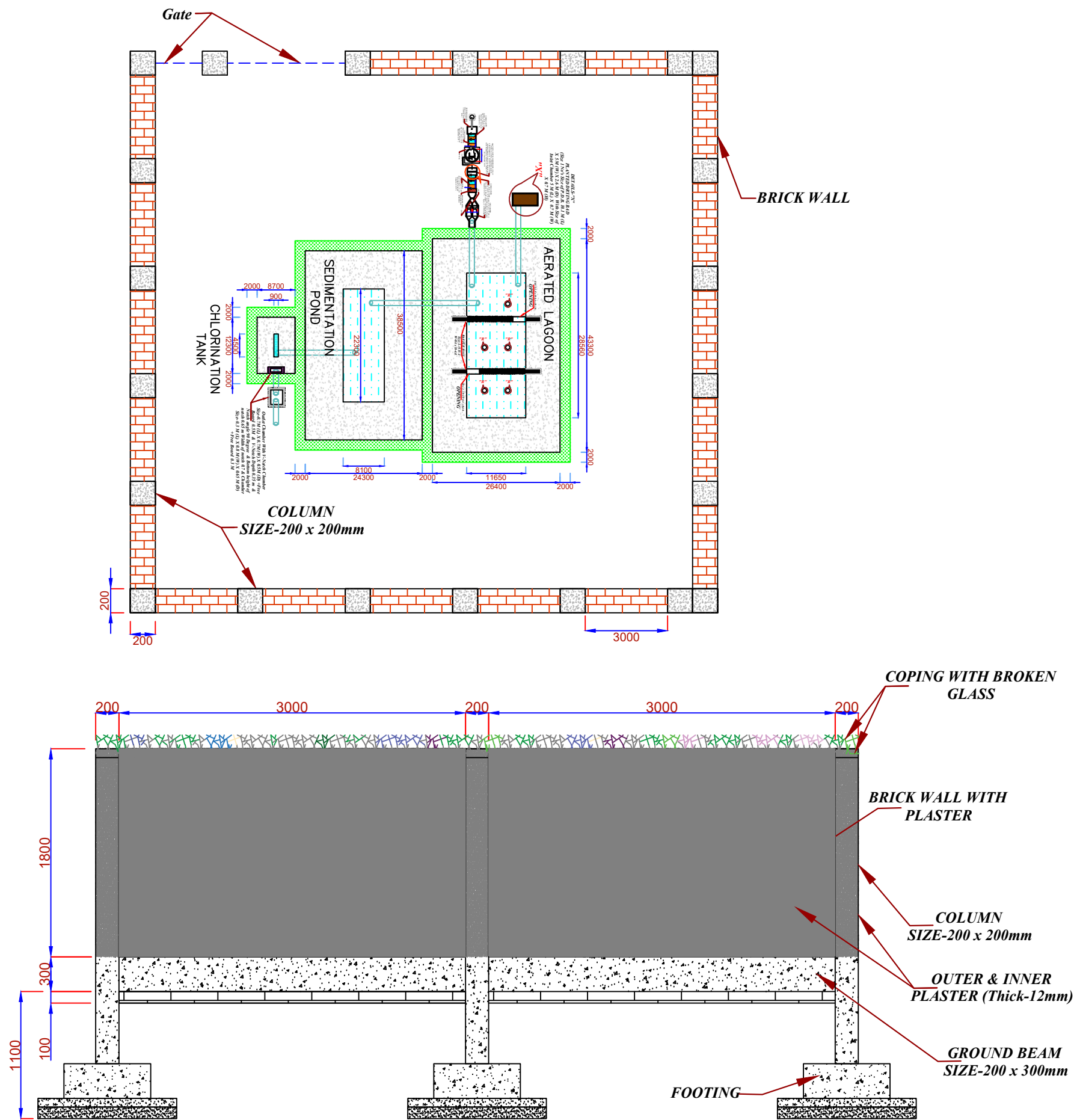


ULB NAME		PANDATARAI		Project Name and Address:				
DISTRICT		KABIRDHAM		USED WATER MANAGEMENT PLAN FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh – DURG division.				
ULB CODE		801948		Drawing Title:	PLANTED DRYING BED S.T.P.-I-AERATED LAGOON ZONE-I Capacity-1.0-MLD		CLIENT 	STATE URBAN DEVELOPMENT AGENCY (C.G)
DWG NO.		1						
SOAK PIT		Ref. Vol. - 1					URBAN LOCAL BODY (U.L.B.)	NAGAR PANCHAYAT PANDATARAI DIV-DURG
S.T.P.		Ref. Vol. - 1						
COVERED WARD		1,4,5,6,7,8,9, 10,11,12,13, 14,15			NAME	DATE	CONSULTANT  [A Government of India under taking] Email- Wapcos Raipur@gmail.com. raipur@wapcos.co.in Contact - 07712430525,01242399421	
		DRAWN		S.M.A		02.10.2024		
		DESIGNED		S.D.		02.10.2024		
		CHECKED		H.S.		02.10.2024		
		APPROVED		H.S.		02.10.2024		
RELEASED FOR	INFORMATION			REVISION		SIZE	SCALE :-	
	SUBMISSION							
	APPROVAL							
	CONSTRUCTION					A3		

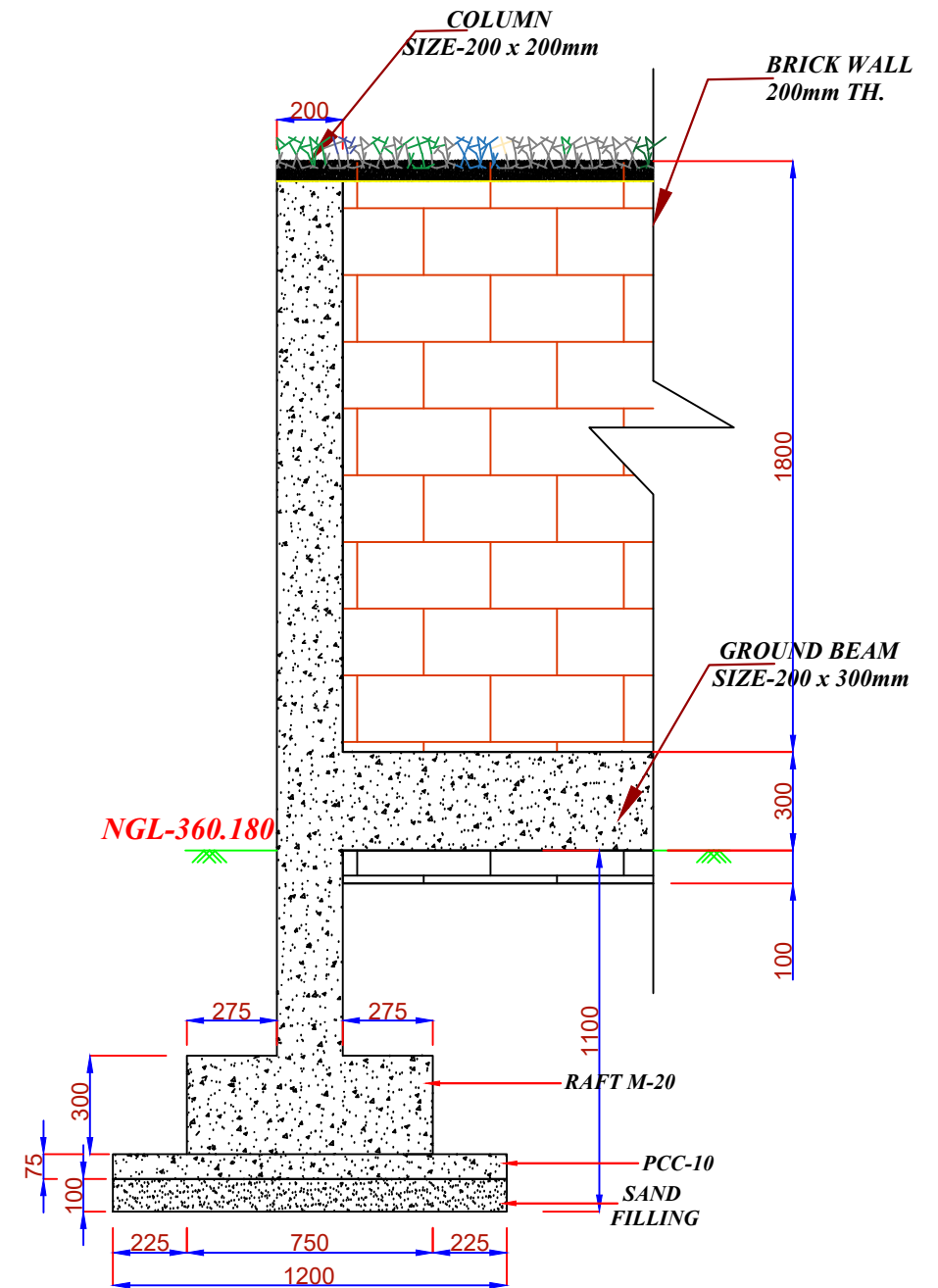








View - Boundary Wall  
@L-352.93M

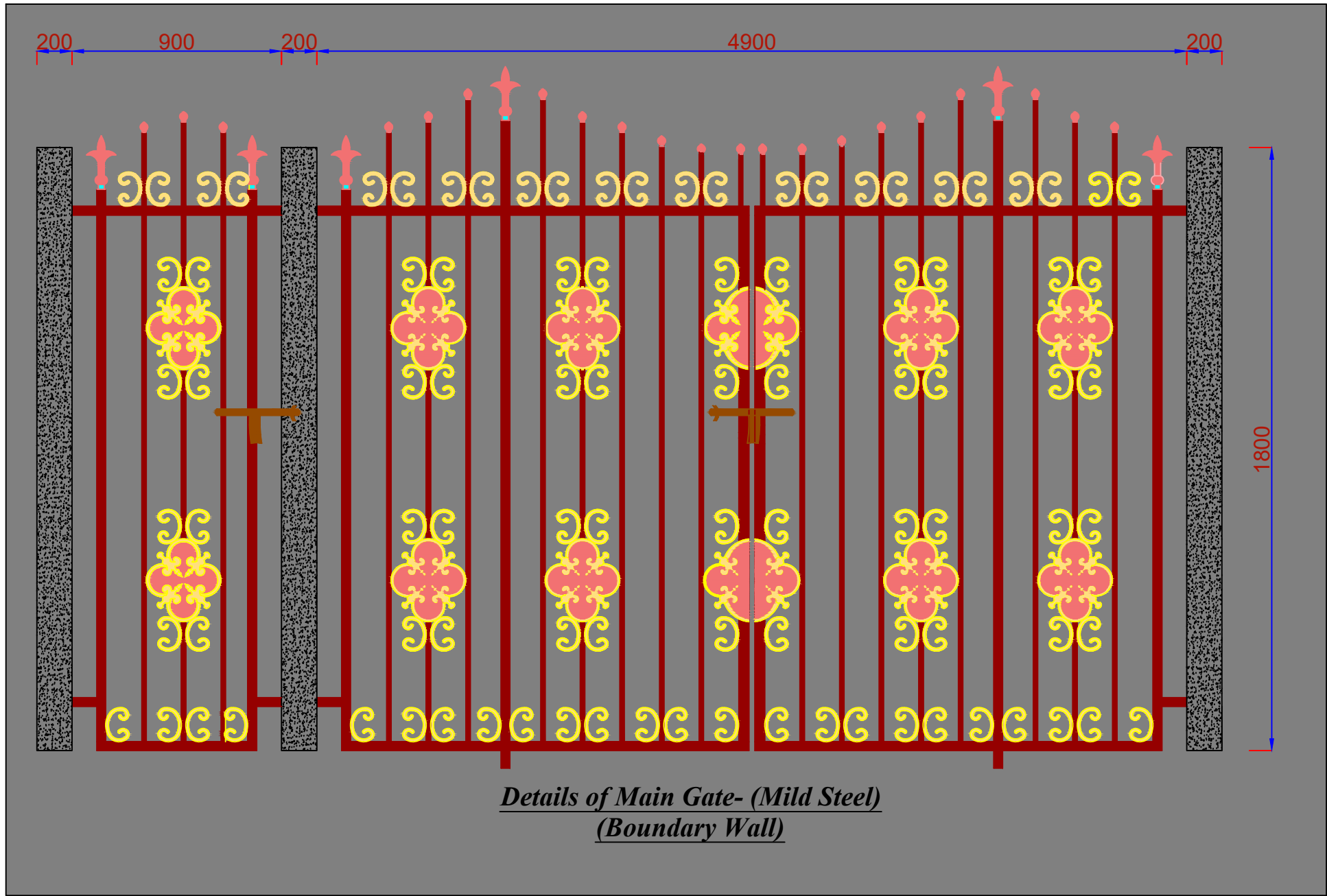


Section Plan Of Boundary Wall

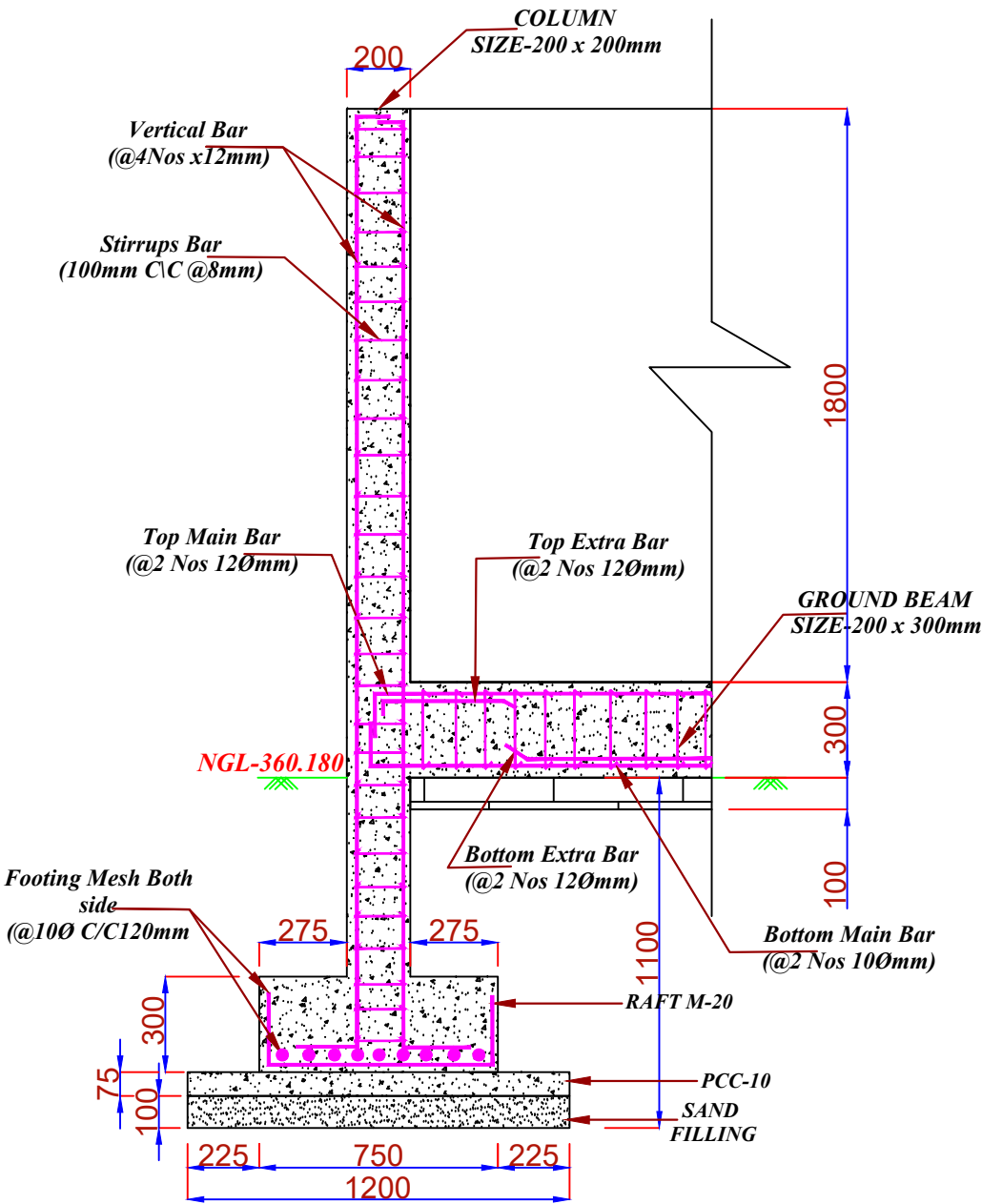
ULB NAME	PANDATARA	Project Name and Address:			
DISTRICT	KABIRDHAM	USED WATER MANAGEMENT PLAN			
ULB CODE	801948	FOR PANDATARA (C.G.) SBM 2.0 - Chhattisgarh - DURG division.			
DWG NO.	1	Drawing Title:	Details of Boundary Wall		
SOAK PIT	Ref. Vol. - 1		S.T.P.-I-		
S.T.P.	Ref. Vol. - 1		AERATED LAGOON		
			ZONE-I		
COVERED WARD	1,4,5,6,7,8,9, 10,11,12,13, 14,15	DRAWN	NAME	DATE	URBAN LOCAL BODY (U.L.B.)
			S.M.A	02.10.2024	
			DESIGNED	S.D.	
			H.S.	02.10.2024	
		APPROVED	H.S.	02.10.2024	CONSULTANT
			REVISION	SIZE	
				A3	
					SCALE :-

STATE URBAN DEVELOPMENT AGENCY (C.G.)	NAGAR PANCHAYAT PANDATARA DIV-DURG
WAPCOS Limited	(A Government of India under taking ) Email- Wapcos Raipur@gmail.com raipur@wapcos.co.in Contact - 07712430525,01242399421





**Details of Main Gate- (Mild Steel)**  
**(Boundary Wall)**

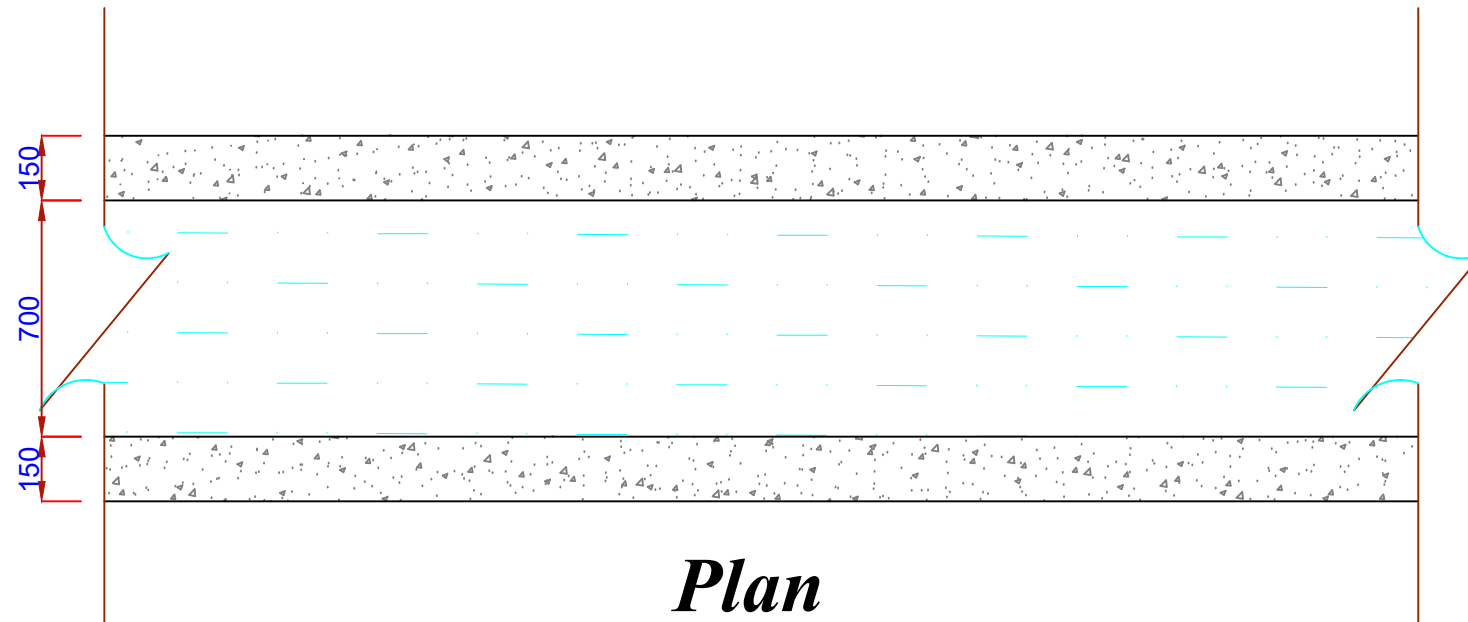


**Reinforcement Details of**  
**Boundary Wall**

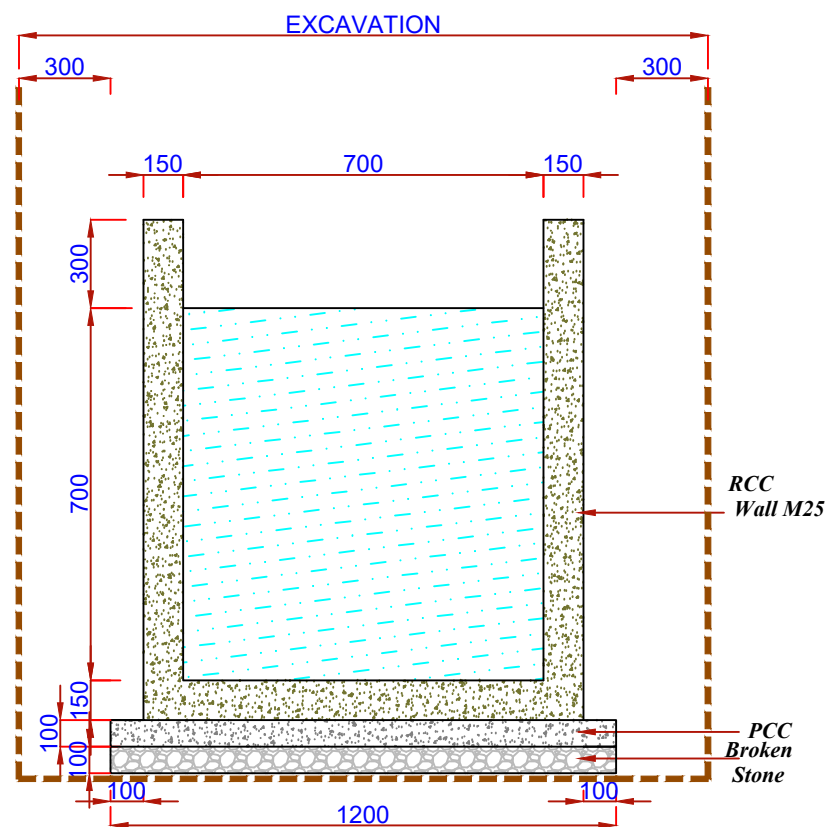
**DETAILS OF BOUNDARY WALL-MAIN GATE & REINFORCEMENT**  
**DETAILS OF S.T.P.-1-Capacity -1.0 MLD-ZONE-I**

ULB NAME	PANDATARAI	Project Name and Address:			
DISTRICT	KABIRDHAM	USED WATER MANAGEMENT PLAN			
ULB CODE	801948	FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh - DURG division.			
DWG NO.	1	Drawing Title:	Details of Boundary Wall		
SOAK PIT	Ref. Vol. - 1		S.T.P.-1-		
S.T.P.	Ref. Vol. - 1		AERATED LAGOON		
COVERED WARD	1,4,5,6,7,8,9,10,11,12,13,14,15		ZONE-I		
RELEASED FOR			Capacity-1.0-MLD		
INFORMATION			NAME	DATE	CLIENT
SUBMISSION			DRAWN	S.M.A	02.10.2024
APPROVAL			DESIGNED	S.D.	02.10.2024
CONSTRUCTION			CHECKED	H.S.	02.10.2024
			APPROVED	H.S.	02.10.2024
			REVISION	SIZE	CONSULTANT
				A3	WAPCOS Limited
				SCALE :-	

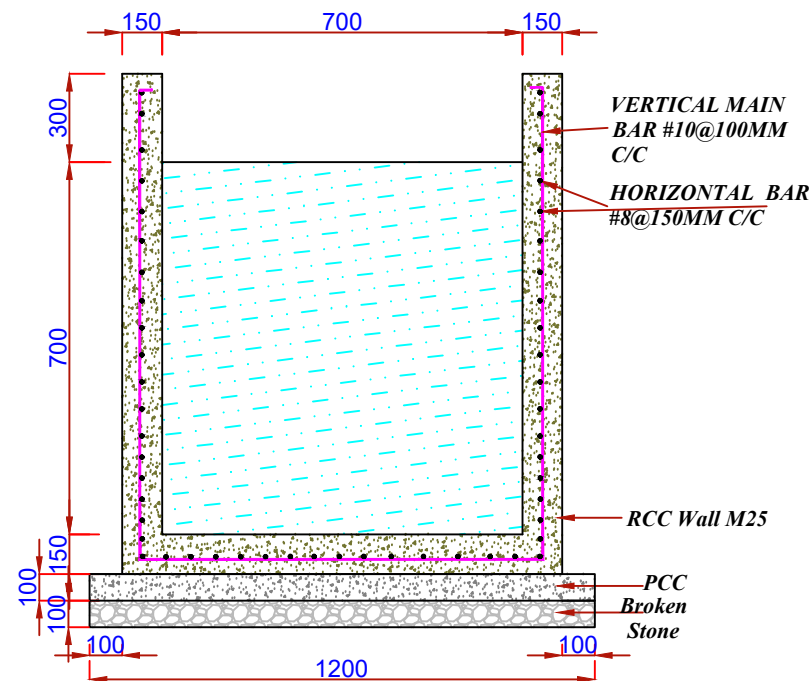




**Plan**



**Section**  
**Proposed RCC Drain Type-I -**  
**Zone-I**



**Reinforcement Details**  
**Proposed RCC Drain Type-I -**  
**Zone-I**

**Details of Proposed Drain For (I & D)**

S.No	Location	L	W	D	FB
1	O1-MH-64	2.00	0.70	0.70	0.30
2	O2-MH-57	2.00	0.70	0.70	0.30
3	O3-MH-44	2.00	0.70	0.70	0.30
4	O4-MH-34	2.00	0.70	0.70	0.30
5	O5-MH-42	2.00	0.70	0.70	0.30
6	O6-MH-15	2.00	0.70	0.70	0.30

**PROPOSED DRAIN FOR INTERCEPTION**  
**DIVERSION - (I & D)**  
**S.T.P.-1 - ZONE-I Capacity-1.0 MLD**

ULB NAME	PANDATARAI	Project Name and Address:			
DISTRICT	KABIRDHAM	USED WATER MANAGEMENT PLAN FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh - DURG division.			
ULB CODE	801948	Drawing Title:	Details of Proposed Drain for (I & D) S.T.P.-1- AERATED LAGOON ZONE-I Capacity-1.0-MLD		CLIENT State Urban Development Agency Chhattisgarh
DWG NO.	1				STATE URBAN DEVELOPMENT AGENCY (C.G.)
SOAK PIT	Ref. Vol. - 1				URBAN LOCAL BODY (U.L.B.)
S.T.P.	Ref. Vol. - 1				NAGAR PANCHAYAT PANDATARAI DIV-DURG
COVERED WARD	1,4,5,6,7,8,9, 10,11,12,13, 14,15	DRAWN	S.M.A	02.10.2024	CONSULTANT WAPCOS [A Government of India under taking] Email- Wapcos Raipur@gmail.com. raipur@wapcos.co.in Contact - 07712430525,01242399421
		DESIGNED	S.D.	02.10.2024	
		CHECKED	H.S.	02.10.2024	
		APPROVED	H.S.	02.10.2024	
RELEASED FOR SUBMISSION		REVISION		SIZE	SCALE :-
APPROVAL CONSTRUCTION				A3	



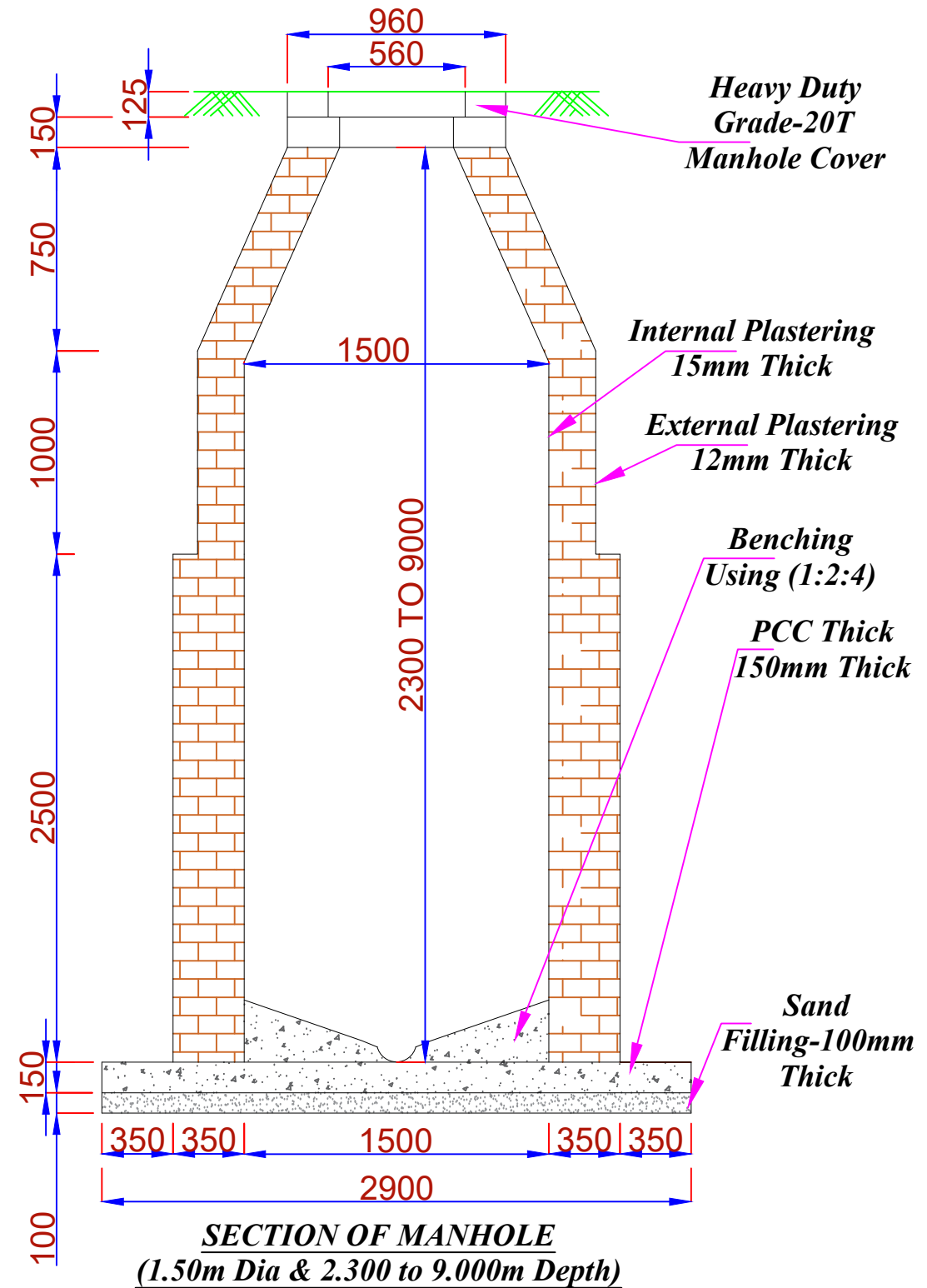
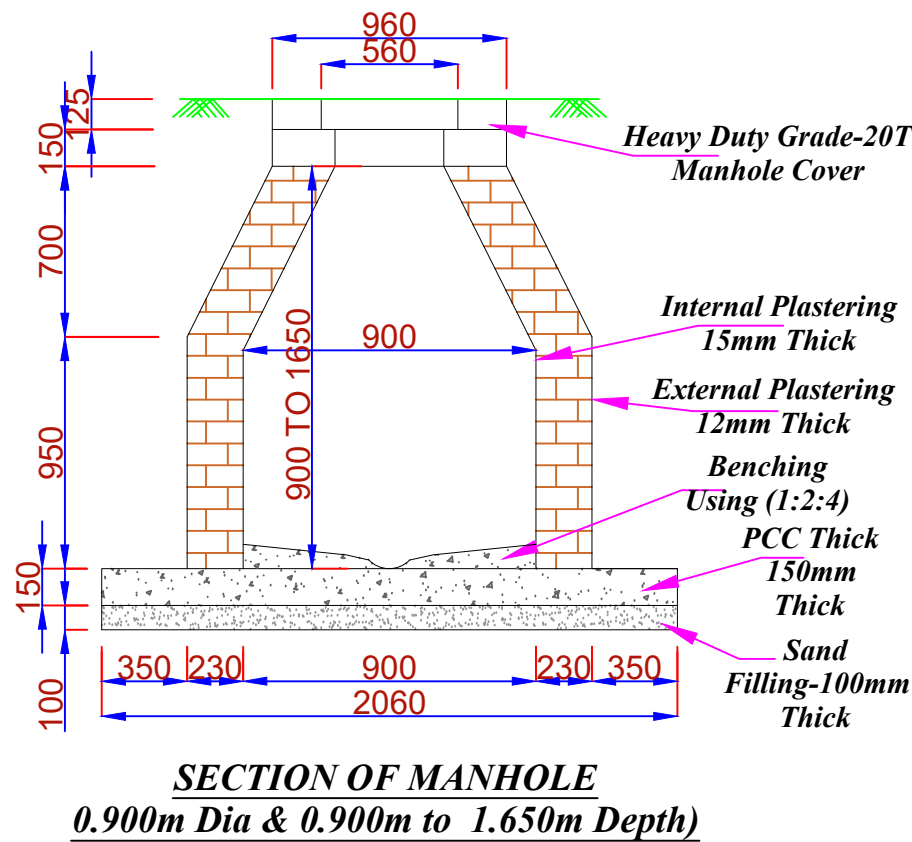
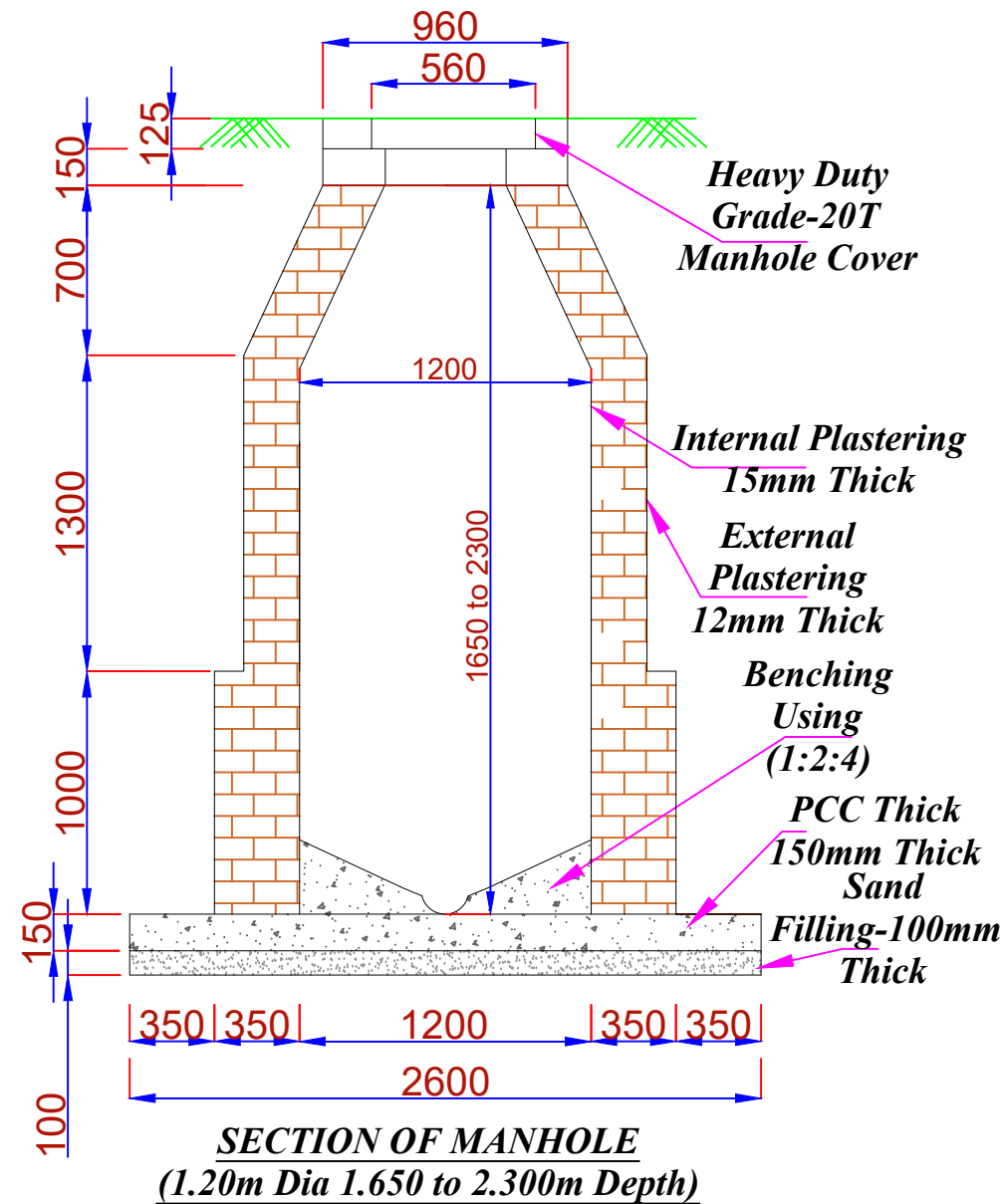
\*, As Per PHED - USOR -2020 ( Page No-199)

- \* For depths 0.9m and up to 1.65m, 900mm diameter. •
- \* For depths above 1.65m and up to 2.30m, 1200mm diameter.
- For depths above 2.30m and up to 9.0m, 1500mm diameter.
- For depths above 9.0m and up to 14.0m, 1800mm diameter.

**DETAILS OF SEWER LINE MANHOLE  
CHAMBER  
S.T.P.-1 - ZONE-I Capacity-1.0 MLD**

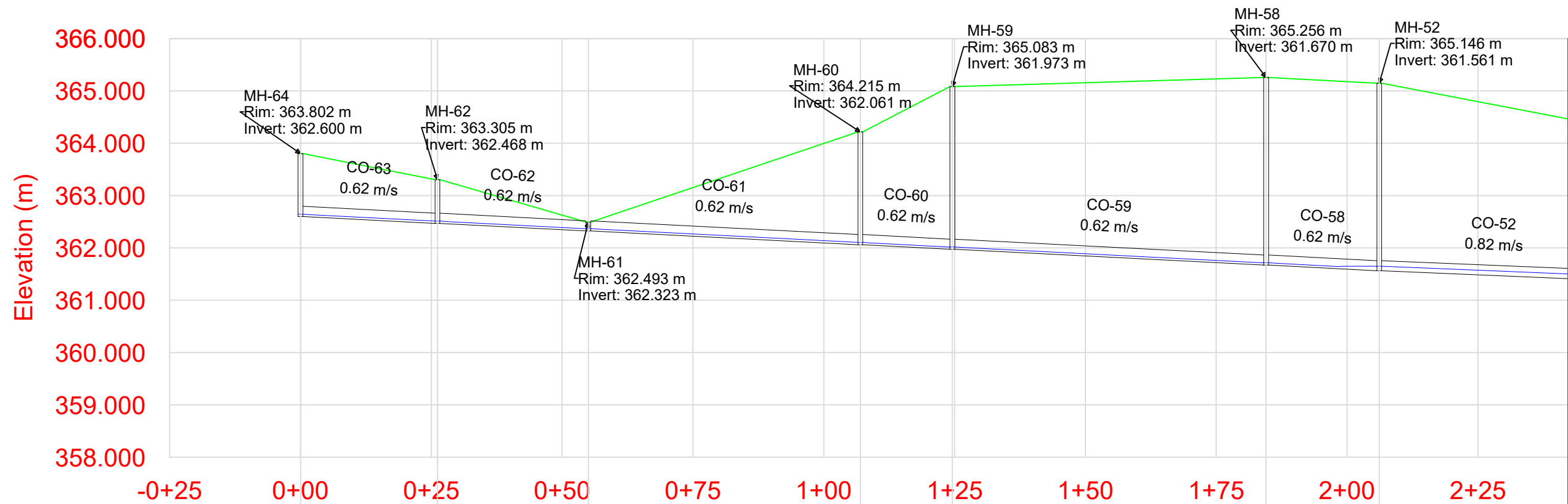
DETAILS OF MANHOLE SEWER LINE  
STP-1 - ZONE-I (CAPACITY-1.0MLD)

SL NO.	MANHOLE TYPE - I DEPTH (M) 0.900 to 1.650				MANHOLE TYPE-II DEPTH (M) 1.650 to 2.300				MANHOLE TYPE-II DEPTH (M) 2.300 to 9.000			
	MH	DEPTH (MH) M	DIA (M)		MH	DEPTH (MH) M	DIA (M)		MH	DEPTH (MH) M	DIA (M)	
			TOP	BOTTOM			TOP	BOTTOM			TOP	BOTTOM
1	MH-15	1.64	0.560	0.900	MH-29	2.28	0.560	1.200	MH-1	3.80	0.560	1.500
2	MH-31	1.56	0.560	0.900	MH-30	1.87	0.560	1.200	MH-2	3.65	0.560	1.500
3	MH-34	1.20	0.560	0.900	MH-36	2.18	0.560	1.200	MH-3	3.51	0.560	1.500
4	MH-42	1.20	0.560	0.900	MH-37	2.12	0.560	1.200	MH-4	3.35	0.560	1.500
5	MH-57	1.20	0.560	0.900	MH-38	2.07	0.560	1.200	MH-5	2.99	0.560	1.500
6	MH-61	0.17	0.560	0.900	MH-60	2.15	0.560	1.200	MH-6	3.05	0.560	1.500
7	MH-62	0.84	0.560	0.900	-	-	-	-	MH-7	3.62	0.560	1.500
8	MH-64	1.20	0.560	0.900	-	-	-	-	MH-8	5.45	0.560	1.500
9	-	-	-	-	-	-	-	-	MH-9	5.05	0.560	1.500
10	-	-	-	-	-	-	-	-	MH-10	5.23	0.560	1.500
11	-	-	-	-	-	-	-	-	MH-11	3.92	0.560	1.500
12	-	-	-	-	-	-	-	-	MH-12	3.35	0.560	1.500
13	-	-	-	-	-	-	-	-	MH-13	2.84	0.560	1.500
14	-	-	-	-	-	-	-	-	MH-14	2.31	0.560	1.500
15	-	-	-	-	-	-	-	-	MH-16	3.44	0.560	1.500
16	-	-	-	-	-	-	-	-	MH-17	3.71	0.560	1.500
17	-	-	-	-	-	-	-	-	MH-18	4.12	0.560	1.500
18	-	-	-	-	-	-	-	-	MH-19	4.86	0.560	1.500
19	-	-	-	-	-	-	-	-	MH-20	4.40	0.560	1.500
20	-	-	-	-	-	-	-	-	MH-21	4.77	0.560	1.500
21	-	-	-	-	-	-	-	-	MH-22	4.68	0.560	1.500
22	-	-	-	-	-	-	-	-	MH-23	3.98	0.560	1.500
23	-	-	-	-	-	-	-	-	MH-24	3.63	0.560	1.500
24	-	-	-	-	-	-	-	-	MH-25	3.99	0.560	1.500
25	-	-	-	-	-	-	-	-	MH-26	2.88	0.560	1.500
26	-	-	-	-	-	-	-	-	MH-27	2.38	0.560	1.500
27	-	-	-	-	-	-	-	-	MH-28	2.42	0.560	1.500
28	-	-	-	-	-	-	-	-	MH-35	2.57	0.560	1.500
29	-	-	-	-	-	-	-	-	MH-43	4.29	0.560	1.500
30	-	-	-	-	-	-	-	-	MH-44	3.64	0.560	1.500
31	-	-	-	-	-	-	-	-	MH-45	3.21	0.560	1.500
32	-	-	-	-	-	-	-	-	MH-46	3.41	0.560	1.500
33	-	-	-	-	-	-	-	-	MH-47	4.22	0.560	1.500
34	-	-	-	-	-	-	-	-	MH-48	4.29	0.560	1.500
35	-	-	-	-	-	-	-	-	MH-49	4.39	0.560	1.500
36	-	-	-	-	-	-	-	-	MH-50	3.58	0.560	1.500
37	-	-	-	-	-	-	-	-	MH-51	2.94	0.560	1.500
38	-	-	-	-	-	-	-	-	MH-52	3.58	0.560	1.500
39	-	-	-	-	-	-	-	-	MH-53	2.67	0.560	1.500
40	-	-	-	-	-	-	-	-	MH-58	3.59	0.560	1.500
41	-	-	-	-	-	-	-	-	MH-59	3.11	0.560	1.500



ULB NAME	PANDATARAI	Project Name and Address:			
DISTRICT	KABIRDHAM	USED WATER MANAGEMENT PLAN FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh - DURG division.			
ULB CODE	801948	Drawing Title: Details of Sewer Line Manhole Chamber S.T.P.-1- AERATED LAGOON ZONE-I Capacity-1.0-MLD	CLIENT		STATE URBAN DEVELOPMENT AGENCY (C.G.)
DWG NO.	1		URBAN LOCAL BODY (U.L.B.)		PANDATARAI DIV-DURG
SOAK PIT	Ref. Vol. - 1		CONSULTANT		WAPCOS Limited
S.T.P.	Ref. Vol. - 1		SCALE :-		
COVERED WARD	1,4,5,6,7,8,9,10,11,12,13,14,15	DRAWN	S.M.A	DATE	02.10.2024
		DESIGNED	S.D.	DATE	02.10.2024
		CHECKED	H.S.	DATE	02.10.2024
		APPROVED	H.S.	DATE	02.10.2024
RELEASED FOR	INFORMATION SUBMISSION	REVISION		SIZE	
FOR	APPROVAL			A3	
CONSTRUCTION	CONSTRUCTION				






Label	CO-63	CO-62	CO-61	CO-60	CO-59	CO-58	CO-52
Length (Unified) (m)	26.2	28.8	52.0	17.6	60.0	21.6	43.8
Rise (Unified) (m)\Material	0.20\DWC	0.20\DWC	0.20\DWC	0.20\DWC	0.20\DWC	0.20\DWC	0.20\DWC
Flow (MLD)	0.263	0.263	0.263	0.263	0.263	0.263	0.928
Slope (Calculated) (1/S)	198.520	198.520	198.520	198.520	198.520	198.520	245.870
Label	MH-64	MH-62	MH-61	MH-60	MH-59	MH-58	MH-52
Elevation (Ground) (m)	363.802	363.305	362.493	364.215	365.083	365.256	365.146
Elevation (Invert) (m)	362.600	362.468	362.323	362.061	361.973	361.670	361.561
Station (m)	0+00	0+26	0+55	1+07	1+25	1+85	2+06

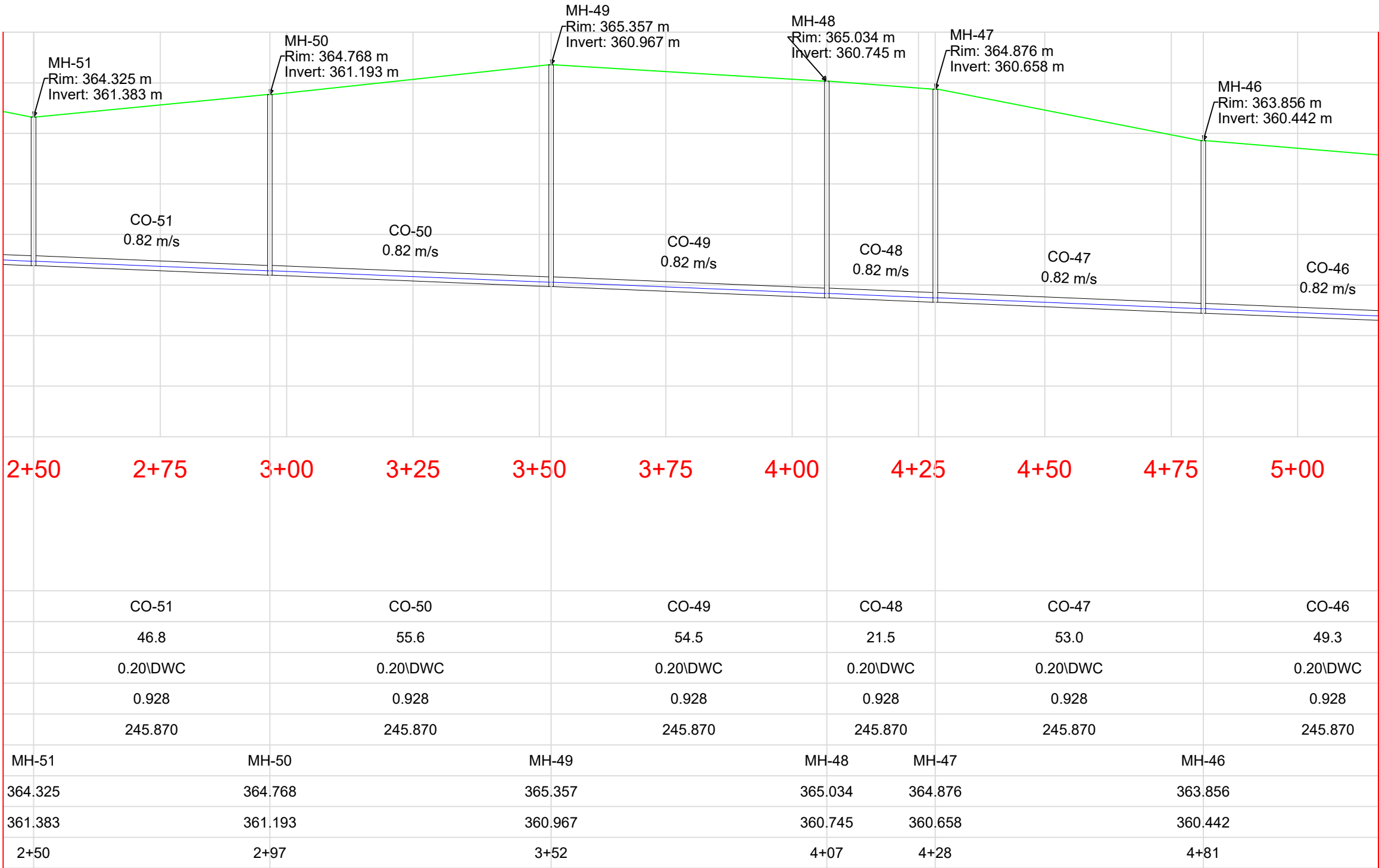
**MH-64 to MH-52**

**L- Section Sewer Line S.T.P.-1 Capacity 1.0MLD**  
**Zone - I**  
**(Length-2343.60 M)**

LEGEND	
Hydraulic Gradient Line (HGL)	
Energy Gradient Line (HGL)	

ULB NAME		PANDATARAI		Project Name and Address:				
DISTRICT		KABIRDHAM		USED WATER MANAGEMENT PLAN				
				FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh – DURG division.				
ULB CODE		801948		<div>Drawing Title:</div> <div>L- Section Sewer Line STP-1 Capacity 1.0MLD Zone - I</div>	CLIENT		<div></div> <div>STATE URBAN DEVELOPMENT AGENCY (C.G.)</div>	
DWG NO.		1			URBAN LOCAL BODY (U.L.B.)			<div>NAGAR PANCHAYAT PANDATARAI DIV-DURG</div> <div>WAPCOS Limited</div> <div>(A Government of India under taking) Email- Wapcos Raipur@gmail.com, raipur@wapcos.co.in Contact - 07712430525,01242399421</div>
SOAK PIT		Ref. Vol. - 1			CONSULTANT			
S.T.P.		Ref. Vol. - 1						
COVERED WARD	1,4,5,6,7,8,9,10,11,12,13,14,15		DRAWN	NAME	DATE			
			DESIGNED	S.D.	02.10.2024			
			CHECKED	H.S.	02.10.2024			
			APPROVED	H.S.	02.10.2024			
RELEASED FOR SUBMISSION	INFORMATION SUBMISSION				REVISION		SIZE	
	APPROVAL						A3	
	CONSTRUCTION						SCALE :-	







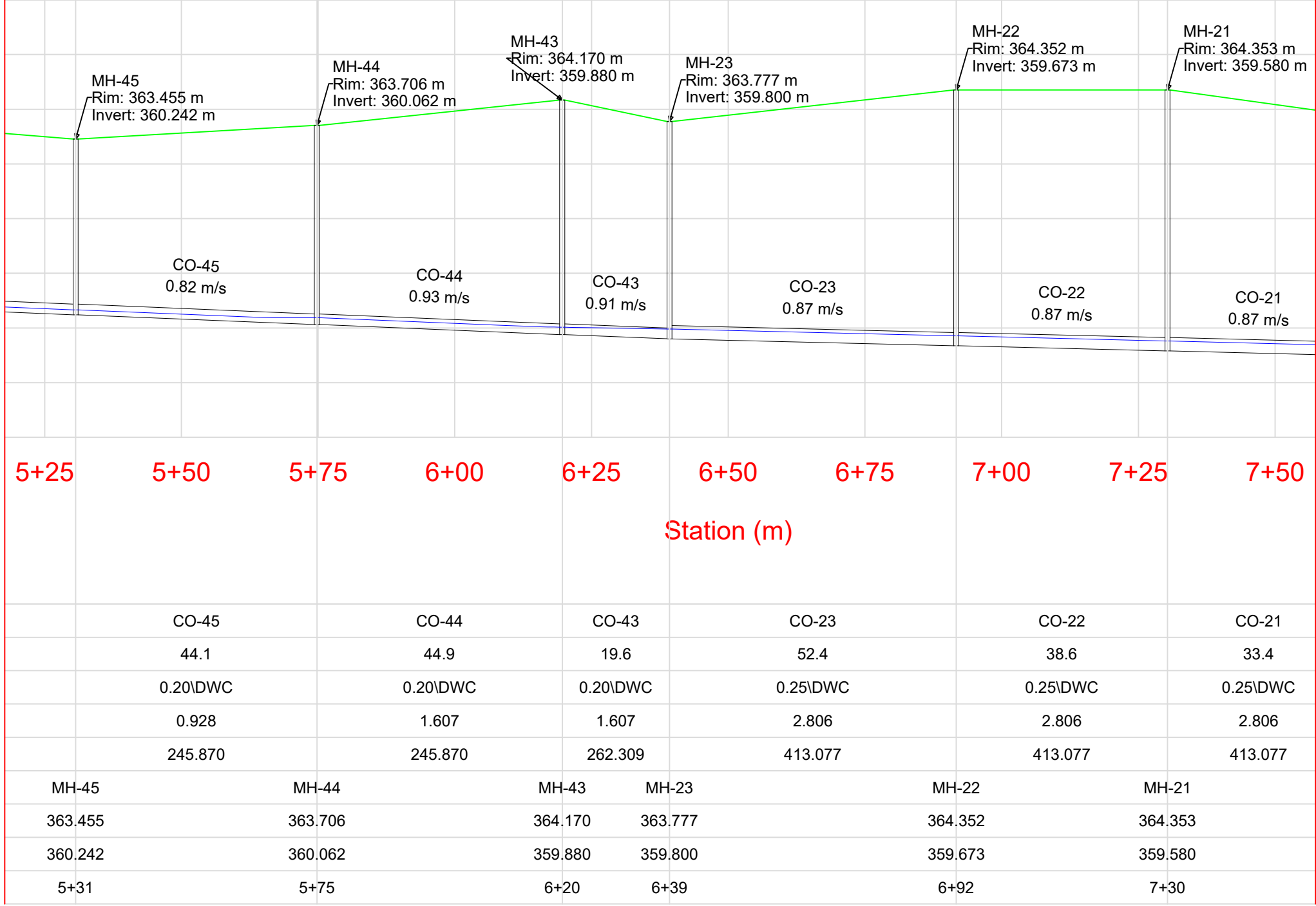
MH-51 to MH-46

L- Section Sewer Line S.T.P.-1 Capacity 1.0MLD  
Zone - I  
(Length-2343.60 M)

LEGEND	
Hydraulic Gradient Line (HGL)	
Energy Gradient Line (HGL)	

ULB NAME		PANDATARAI		Project Name and Address:				
DISTRICT		KABIRDHAM		USED WATER MANAGEMENT PLAN FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh – DURG division.				
ULB CODE		801948		Drawing Title:  <i>L- Section Sewer Line STP-1 Capacity 1.0MLD Zone - I</i>	CLIENT 		STATE URBAN DEVELOPMENT AGENCY (C.G.)	
DWG NO.		1			URBAN LOCAL BODY (U.L.B.)		NAGAR PANCHAYAT PANDATARAI DIV-DURG	
SOAK PIT		Ref. Vol. - 1						
S.T.P.		Ref. Vol. - 1						
COVERED WARD		1,4,5,6,7,8,9, 10,11,12,13, 14,15		DRAWN		S.M.A.		02.10.2024
				DESIGNED		S.D.		02.10.2024
				CHECKED		H.S.		02.10.2024
				APPROVED		H.S.		02.10.2024
RELEASED FOR	INFORMATION SUBMISSION			REVISION		SIZE		SCALE :-
	APPROVAL		✓					
	CONSTRUCTION					A3		
				CONSULTANT  [A Government of India under taking ] Email- Wapcos Raipur@gmail.com raipur@wapcos.co.in Contact - 07712430525,01242399421				





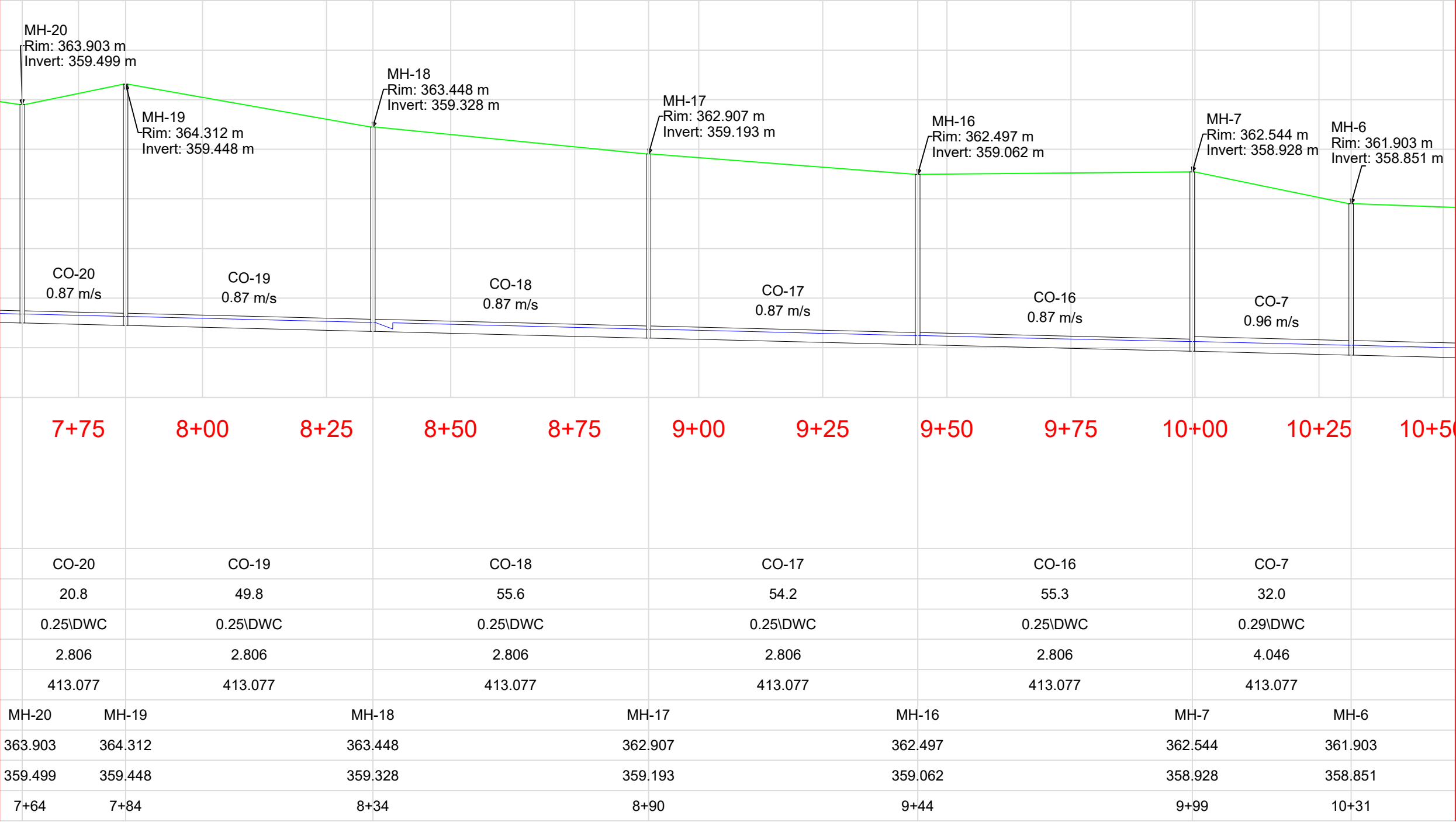


MH-45 to MH-21

**L- Section Sewer Line S.T.P.-1 Capacity 1.0MLD**  
**Zone - I**  
**(Length-2343.60 M)**

LEGEND	
Hydraulic Gradient Line (HGL)	<div></div>
Energy Gradient Line (HGL)	<div></div>



ULB NAME		PANDATARAI		Project Name and Address:									
DISTRICT		KABIRDHAM		USED WATER MANAGEMENT PLAN FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh – DURG division.									
ULB CODE		801948		Drawing Title:	L- Section Sewer Line STP-1 Capacity 1.0MLD Zone - I			CLIENT					
DWG NO.		1						 <div>State Urban Development Agency Chhattisgarh</div>			STATE URBAN DEVELOPMENT AGENCY (C.G.)		
SOAK PIT		Ref. Vol. - 1											
S.T.P.		Ref. Vol. - 1											
COVERED WARD		1,4,5,6,7,8,9, 10,11,12,13, 14,15						URBAN LOCAL BODY (U.L.B.)			NAGAR PANCHAYAT PANDATARAI DIV-DURG		
RELEASED FOR	INFORMATION			DRAWN		S.M.A.		02.10.2024		CONSULTANT		 <div>WAPCOS Limited (A Government of India under taking) Email- wapcos.raipur@gmail.com raipur@wapcos.co.in Contact - 07712430525,01242399421</div>	
	SUBMISSION			DESIGNED		S.D.		02.10.2024					
	APPROVAL		✓	CHECKED		H.S.		02.10.2024					
	CONSTRUCTION			APPROVED		H.S.		02.10.2024					
				REVISION				SIZE					
						A3		SCALE :-					



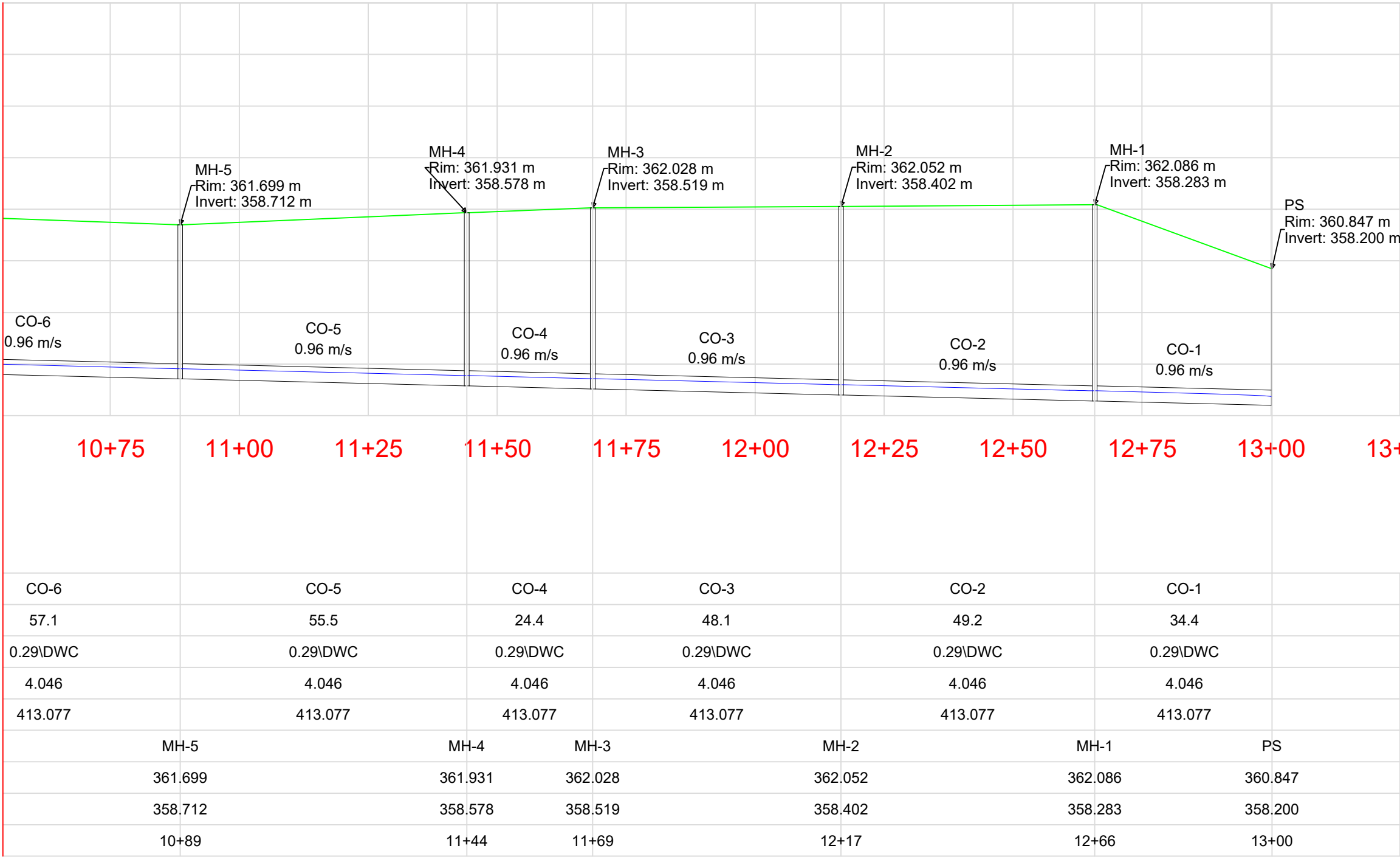
MH-20 to MH-06

L- Section Sewer Line S.T.P.-1 Capacity 1.0MLD  
Zone - I  
(Length-2343.60 M)

LEGEND	
Hydraulic Gradient Line (HGL)	<div></div>
Energy Gradient Line (HGL)	<div></div>

ULB NAME		PANDATARAI		Project Name and Address:			
DISTRICT		KABIRDHAM		USED WATER MANAGEMENT PLAN FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh – DURG division.			
ULB CODE		801948		Drawing Title:  <i>L- Section Sewer Line STP-1 Capacity 1.0MLD Zone - I</i>	CLIENT 		STATE URBAN DEVELOPMENT AGENCY (C.G.)
DWG NO.		1			URBAN LOCAL BODY (U.L.B.)		NAGAR PANCHAYAT PANDATARAI DIV-DURG
SOAK PIT		Ref. Vol. - 1					
S.T.P.		Ref. Vol. - 1					
COVERED WARD		1,4,5,6,7,8,9,10,11,12,13,14,15			CONSULTANT		 <b>WAPCOS Limited</b> (A Government of India under taking) Email- wapcos.raipur@gmail.com raipur@wapcos.co.in Contact - 07712430525,01242399421
RELEASED FOR SUBMISSION	INFORMATION						
	SUBMISSION						
	APPROVAL		✓				
	CONSTRUCTION						
				REVISION		SIZE	
						A3	SCALE :-





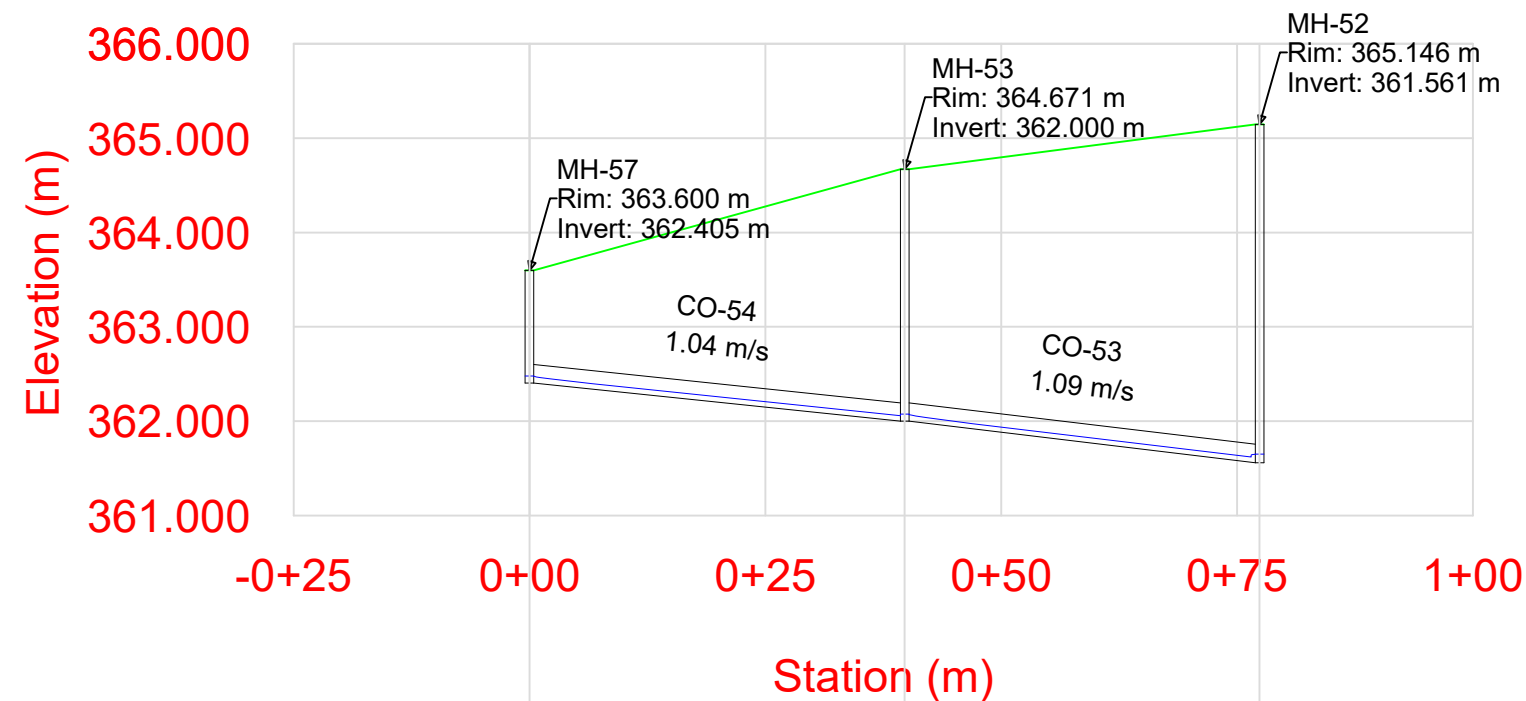


MH-05 to MH-01-PS

L- Section Sewer Line S.T.P.-1 Capacity 1.0MLD  
Zone - I  
(Length-2343.60 M)

LEGEND	
Hydraulic Gradient Line (HGL)	<div></div>
Energy Gradient Line (HGL)	<div></div>

ULB NAME		PANDATARAI		Project Name and Address:							
DISTRICT		KABIRDHAM		USED WATER MANAGEMENT PLAN FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh – DURG division.							
ULB CODE		801948		Drawing Title:  <i>L- Section Sewer Line STP-1 Capacity 1.0MLD Zone - I</i>			STATE URBAN DEVELOPMENT AGENCY (C.G.)				
DWG NO.		1			URBAN LOCAL BODY (U.L.B.)		NAGAR PANCHAYAT PANDATARAI DIV-DURG				
SOAK PIT		Ref. Vol. - 1									
S.T.P.		Ref. Vol. - 1									
COVERED WARD		1,4,5,6,7,8,9, 10,11,12,13, 14,15									
RELEASED FOR SUBMISSION	INFORMATION			NAME		DATE		CONSULTANT   WAPCOS	WAPCOS Limited (A Government of India under taking) Email- wapcos.raipur@gmail.com raipur@wapcos.co.in Contact - 07712430525,01242399421		
	SUBMISSION			DRAWN		S.M.A				02.10.2024	
	APPROVAL		✓	DESIGNED		S.D.				02.10.2024	
	CONSTRUCTION			CHECKED		H.S.				02.10.2024	
				APPROVED		H.S.				02.10.2024	
			REVISION		SIZE						
					A3		SCALE :-				





Label		CO-54	CO-53	
Length (Unified) (m)		39.8	37.6	
Rise (Unified) (m)\Material		0.20\DWC	0.20\DWC	
Flow (MLD)		0.665	0.665	
Slope (Calculated) (1/S)		98.189	85.799	
Label	MH-57	MH-53	MH-52	
Elevation (Ground) (m)	363.600	364.671	365.146	
Elevation (Invert) (m)	362.405	362.000	361.561	
Station (m)	0+00	0+40	0+77	

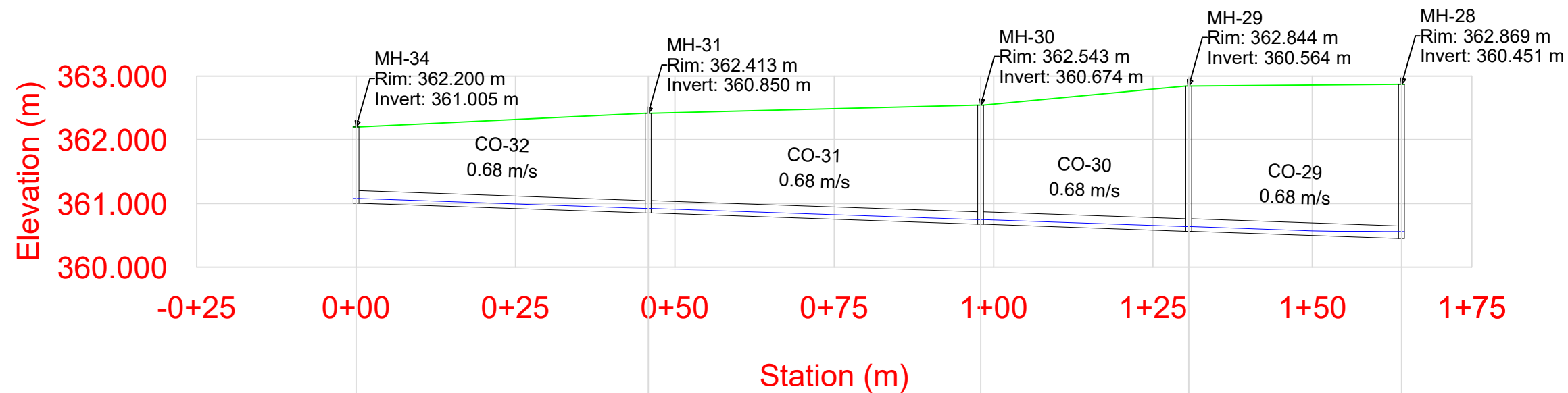
**MH-57 to MH-52**

**L- Section Sewer Line S.T.P.-1 Capacity 1.0MLD**  
**Zone - I**  
**(Length-2343.60 M)**

LEGEND	
Hydraulic Gradient Line (HGL)	
Energy Gradient Line (HGL)	

ULB NAME		PANDATARAI		Project Name and Address:					
DISTRICT		KABIRDHAM		USED WATER MANAGEMENT PLAN					
				FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh – DURG division.					
ULB CODE		801948		<div>Drawing Title:</div> <div>L- Section Sewer Line STP-1 Capacity 1.0MLD Zone - I</div>	CLIENT		<div></div> <div>STATE URBAN DEVELOPMENT AGENCY (C.G.)</div>		
DWG NO.		1			URBAN LOCAL BODY (U.L.B.)			<div>NAGAR PANCHAYAT PANDATARAI DIV-DURG</div>	
SOAK PIT		Ref. Vol. - 1			CONSULTANT		<div></div> <div>WAPCOS Limited</div> <div>(A Government of India under taking)</div> <div>Email- wapcos.raipur@gmail.com, raipur@wapcos.co.in</div> <div>Contact - 07712430525,01242399421</div>		
S.T.P.		Ref. Vol. - 1			COVERED WARD				
		1,4,5,6,7,8,9,10,11,12,13,14,15		DRAWN		NAME		DATE	
				DESIGNED		S.D.		02.10.2024	
				CHECKED		H.S.		02.10.2024	
				APPROVED		H.S.		02.10.2024	
				REVISION		SIZE			
						A3		SCALE :-	
RELEASED FOR SUBMISSION				APPROVAL		CONSTRUCTION			






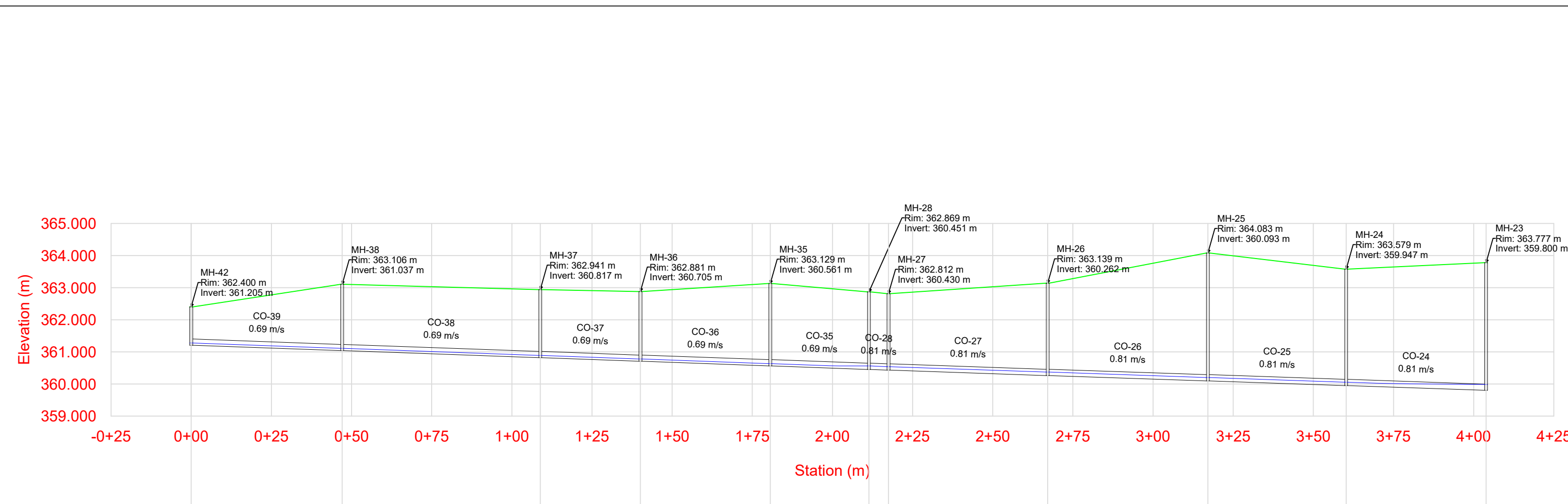
Label	CO-32	CO-31	CO-30	CO-29	
Length (Unified) (m)	45.8	52.1	32.6	33.4	
Rise (Unified) (m)\Material	0.20\DW C	0.20\DW C	0.20\DW C	0.20\DW C	
Flow (MLD)	0.591	0.591	0.591	0.591	
Slope (Calculated) (1/S)	295.848	295.848	295.848	295.848	
Label	MH-34	MH-31	MH-30	MH-29	MH-28
Elevation (Ground) (m)	362.200	362.413	362.543	362.844	362.869
Elevation (Invert) (m)	361.005	360.850	360.674	360.564	360.451
Station (m)	0+00	0+46	0+98	1+31	1+64

MH-34 to MH-28

**L- Section Sewer Line S.T.P.-1 Capacity 1.0MLD**  
**Zone - I**  
**(Length-2343.60 M)**

LEGEND	
Hydraulic Gradient Line (HGL)	
Energy Gradient Line (HGL)	

ULB NAME		PANDATARAI		Project Name and Address:			
DISTRICT		KABIRDHAM		USED WATER MANAGEMENT PLAN			
				FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh - DURG division.			
ULB CODE		801948		<div>Drawing Title:</div> <div>L- Section Sewer Line STP-1 Capacity 1.0MLD Zone - I</div>	CLIENT		<div>STATE URBAN DEVELOPMENT AGENCY (C.G.)</div>
DWG NO.		1			<div>State Urban Development Agency Chhattisgarh</div>		
SOAK PIT		Ref. Vol. - 1			URBAN LOCAL BODY (U.L.B.)		<div>NAGAR PANCHAYAT PANDATARAI DIV-DURG</div>
S.T.P.		Ref. Vol. - 1			CONSULTANT		
COVERED WARD		1,4,5,6,7,8,9,10,11,12,13,14,15		DRAWN	NAME	DATE	<div>WAPCOS Limited</div> <div>(A Government of India under taking)</div> <div>Email- wapcos.raipur@gmail.com, raipur@wapcos.co.in</div> <div>Contact - 07712430525,01242399421</div>
				DESIGNED	S.D.	02.10.2024	
				CHECKED	H.S.	02.10.2024	
				APPROVED	H.S.	02.10.2024	
RELEASED FOR SUBMISSION	INFORMATION SUBMISSION				REVISION		SIZE
	APPROVAL		✓				A3
	CONSTRUCTION						SCALE :-





Label		CO-39	CO-38	CO-37	CO-36	CO-35	CO-28	CO-27	CO-26	CO-25	CO-24	
Length (Unified) (m)		47.1	61.8	31.2	40.5	30.8	6.1	49.6	50.0	43.1	43.6	
Rise (Unified) (m)\Material		0.20\DW	0.20\DW	0.20\DW	0.20\DW	0.20\DW	0.20\DW	0.20\DW	0.20\DW	0.20\DW	0.20\DW	
Flow (MLD)		0.608	0.608	0.608	0.608	0.608	1.199	1.199	1.199	1.199	1.199	
Slope (Calculated) (1/S)		280.231	280.231	280.231	280.231	280.231	295.848	295.848	295.848	295.848	295.848	
Label	MH-42	MH-38	MH-37	MH-36	MH-35	MH-28	MH-27	MH-26	MH-25	MH-24	MH-23	
Elevation (Ground) (m)	362.400	363.106	362.941	362.881	363.129	362.869	362.812	363.139	364.083	363.579	363.777	
Elevation (Invert) (m)	361.205	361.037	360.817	360.705	360.561	360.451	360.430	360.262	360.093	359.947	359.800	
Station (m)	0+00	0+47	1+09	1+40	1+81	2+12	2+17	2+67	3+17	3+60	4+04	

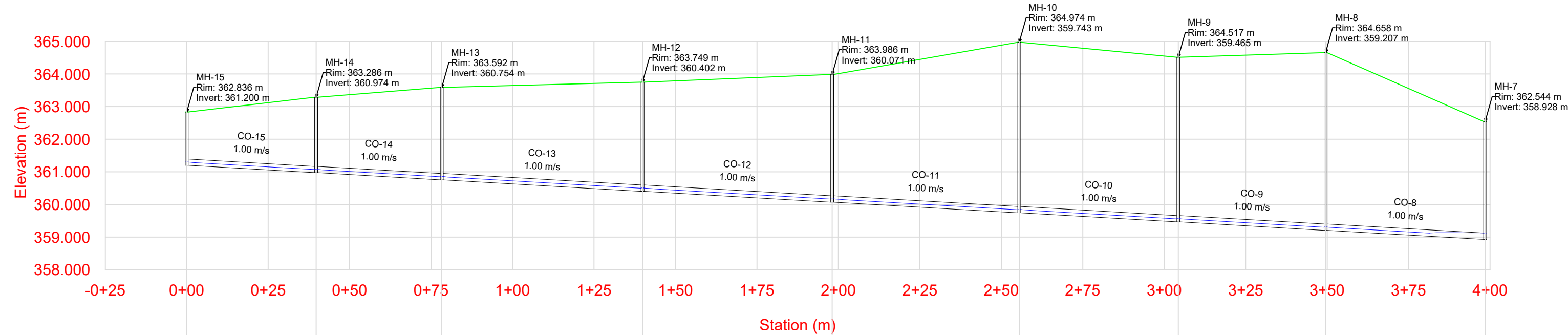
MH-42 to MH-23

L- Section Sewer Line S.T.P.-1 Capacity 1.0MLD  
Zone - I  
(Length-2343.60 M)

LEGEND	
Hydraulic Gradient Line (HGL)	
Energy Gradient Line (HGL)	

ULB NAME		PANDATARAI		Project Name and Address:			
DISTRICT		KABIRDHAM		USED WATER MANAGEMENT PLAN FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh – DURG division.			
ULB CODE		801948		Drawing Title:  <i>L- Section Sewer Line STP-1 Capacity 1.0MLD Zone - I</i>	CLIENT		STATE URBAN DEVELOPMENT AGENCY (C.G.)
DWG NO.		1					
SOAK PIT		Ref. Vol. - 1					
S.T.P.		Ref. Vol. - 1					
COVERED WARD		1,4,5,6,7,8,9, 10,11,12,13, 14,15		URBAN LOCAL BODY (U.L.B.)		NAGAR PANCHAYAT PANDATARAI DIV-DURG	
RELEASED FOR CONSTRUCTION	INFORMATION SUBMISSION			DRAWN	S.M.A.	02.10.2024	CONSULTANT   <b>WAPCOS Limited</b> (A Government of India under taking ) Email- Wapcos Raipur@gmail.com raipur@wapcos.co.in Contact - 07712430525,01242399421
	APPROVAL			DESIGNED	S.D.	02.10.2024	
	CONSTRUCTION			CHECKED	H.S.	02.10.2024	
				APPROVED	H.S.	02.10.2024	
				REVISION		SIZE	
						A3	SCALE :-







Label		CO-15	CO-14	CO-13	CO-12	CO-11	CO-10	CO-9	CO-8	
Length (Unified) (m)		39.7	38.6	61.6	58.2	57.4	48.8	45.2	48.9	
Rise (Unified) (m)\Material		0.20\DW C	0.20\DW C	0.20\DW C	0.20\DW C	0.20\DW C	0.20\DW C	0.20\DW C	0.20\DW C	
Flow (MLD)		1.241	1.241	1.241	1.241	1.241	1.241	1.241	1.241	
Slope (Calculated) (1/S)		175.388	175.388	175.388	175.388	175.388	175.388	175.388	175.388	
Label	MH-15	MH-14	MH-13	MH-12	MH-11	MH-10	MH-9	MH-8	MH-7	
Elevation (Ground) (m)	362.836	363.286	363.592	363.749	363.986	364.974	364.517	364.658	362.544	
Elevation (Invert) (m)	361.200	360.974	360.754	360.402	360.071	359.743	359.465	359.207	358.928	
Station (m)	0+00	0+40	0+78	1+40	1+98	2+55	3+04	3+50	3+98	

**MH-15 to MH-07**

**L- Section Sewer Line S.T.P.-1 Capacity 1.0MLD**  
**Zone - I**  
**(Length-2343.60 M)**

LEGEND	
Hydraulic Gradient Line (HGL)	<div></div>
Energy Gradient Line (HGL)	<div></div>

ULB NAME		PANDATARAI		Project Name and Address:					
DISTRICT		KABIRDHAM		USED WATER MANAGEMENT PLAN FOR PANDATARAI (C.G.) SBM 2.0 - Chhattisgarh – DURG division.					
ULB CODE		801948		Drawing Title:  <i>L- Section Sewer Line STP-1 Capacity 1.0MLD Zone - I</i>	CLIENT  STATE URBAN DEVELOPMENT AGENCY (C.G.)				
DWG NO.		1			URBAN LOCAL BODY (U.L.B.)  NAGAR PANCHAYAT PANDATARAI DIV-DURG				
SOAK PIT		Ref. Vol. - 1							
S.T.P.		Ref. Vol. - 1							
COVERED WARD		1,4,5,6,7,8,9,10,11,12,13,14,15			CONSULTANT   WAPCOS Limited (A Government of India under taking ) Email- Wapcos Raipur@gmail.com raipur@wapcos.co.in Contact - 07712430525,01242399421				
RELEASED FOR	INFORMATION			DRAWN		S.M.A		02.10.2024	
	SUBMISSION			DESIGNED		S.D.		02.10.2024	
	APPROVAL		✓	CHECKED		H.S.		02.10.2024	
	CONSTRUCTION			APPROVED		H.S.		02.10.2024	
				REVISION		SIZE		SCALE :-	
						A3			