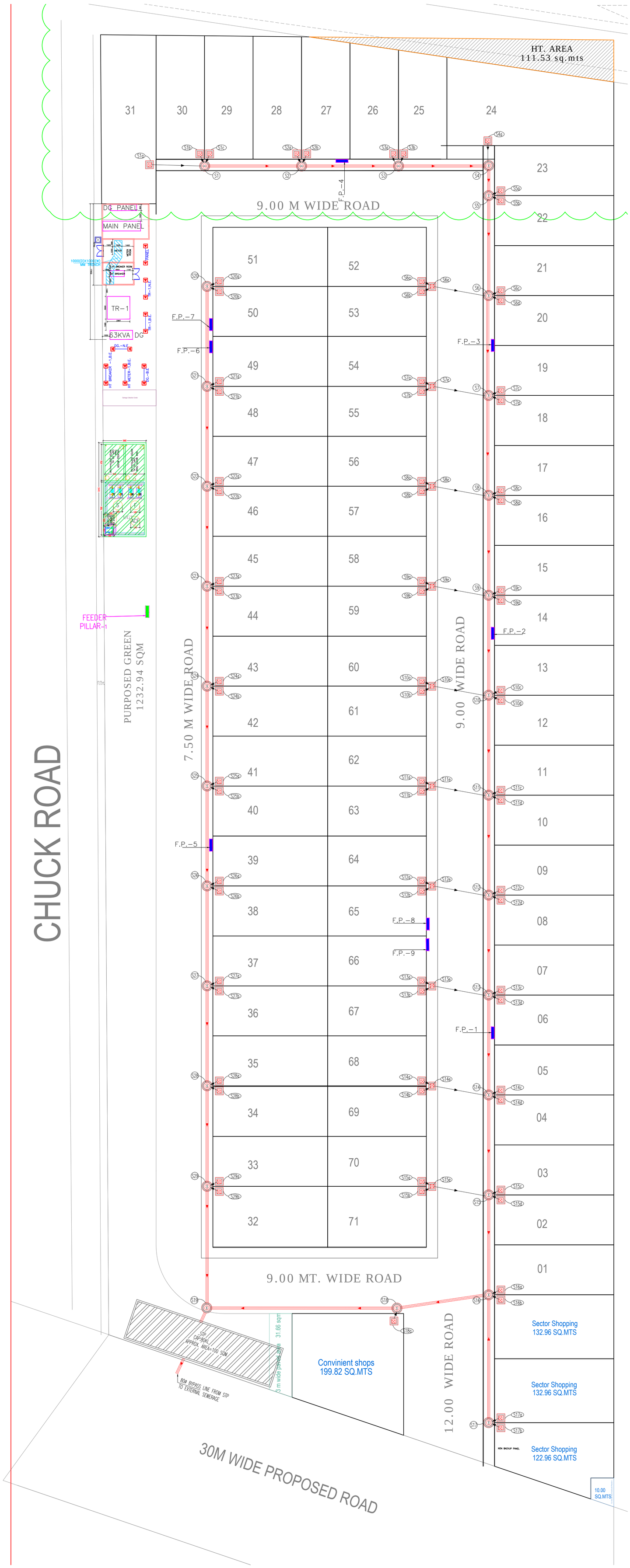

DESIGN CHART OF SEWERAGE SYSTEM

S.NO.	LINE		LENGTH	PIPE SIZE(MM)	SLOPE (1 IN) MM	GROUND LEVEL(M)		FALL(M)	INVERT LEVEL(M)		DEPTH(M)		TYPE OF MANHOLE
	FROM	TO				START	END		START	END	START	END	
1.	S1a	S1	7.0	150	225	215.300	215.200	0.030	214.55	214.52	0.750	0.680	600x600mm
2	S1b	S1	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
3	S1c	S1	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
4	S1	S2	12.0	200	325	215.200	215.200	0.035	214.00	213.97	1.200	1.235	910mm DIA
5	S2a	S2	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
6	S2b	S2	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
7	S2	S3	12.0	200	325	215.200	215.200	0.035	213.97	213.93	1.235	1.270	910mm DIA
8	S3a	S3	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
9	S3b	S3	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
10	S3	S4	11.5	200	325	215.200	215.200	0.035	213.93	213.90	1.270	1.305	910mm DIA
11	S4a	S4	2.5	150	225	215.300	215.200	0.010	214.55	214.54	0.750	0.660	600x600mm
12	S4	S5	3.5	200	325	215.200	215.200	0.010	213.90	213.89	1.305	1.315	910mm DIA
13	S5a	S5	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
14	S5b	S5	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
15	S5	S6	13.0	200	325	215.200	215.200	0.040	213.89	213.85	1.315	1.355	910mm DIA
16	S6a	S6e	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
17	S6b	S6e	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
18	S6e	S6	7.0	150	225	215.200	215.200	0.030	214.55	214.52	0.655	0.685	600x600mm
19	S6c	S6	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
20	S6d	S6	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
21	S6	S7	13.0	200	325	215.200	215.200	0.040	213.85	213.81	1.355	1.395	910mm DIA
22	S7a	S7e	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
23	S7b	S7e	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
24	S7e	S7	7.0	150	225	215.200	215.200	0.030	214.55	214.52	0.655	0.685	600x600mm
25	S7c	S7	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
26	S7d	S7	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
27	S7	S8	13.0	200	325	215.200	215.200	0.040	213.81	213.77	1.395	1.435	910mm DIA
28	S8a	S8e	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
29	S8b	S8e	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
30	S8e	S8	7.0	150	225	215.200	215.200	0.030	214.55	214.52	0.655	0.685	600x600mm
31	S8c	S8	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
32	S8d	S8	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
33	S8	S9	13.0	200	325	215.200	215.200	0.040	213.77	213.73	1.435	1.475	910mm DIA
34	S9a	S9e	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
35	S9b	S9e	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
36	S9e	S9	7.0	150	225	215.200	215.200	0.030	214.55	214.52	0.655	0.685	600x600mm
37	S9c	S9	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
38	S9d	S9	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
39	S9	S10	13.0	200	325	215.200	215.200	0.040	213.73	213.69	1.475	1.515	910mm DIA
40	S10a	S10e	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
41	S10b	S10e	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
42	S10e	S10	7.0	150	225	215.200	215.200	0.030	214.55	214.52	0.655	0.685	600x600mm
43	S10c	S10	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
44	S10d	S10	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
45	S10	S11	13.0	200	325	215.200	215.200	0.040	213.69	213.65	1.515	1.555	910mm DIA
46	S11a	S11e	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
47	S11b	S11e	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
48	S11e	S11	7.0	150	225	215.200	215.200	0.030	214.55	214.52	0.655	0.685	600x600mm
49	S11c	S11	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
50	S11d	S11	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
51	S11	S12	13.0	200	325	215.200	215.200	0.040	213.65	213.61	1.555	1.595	910mm DIA
52	S12a	S12e	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
53	S12b	S12e	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
54	S12e	S12	7.0	150	225	215.200	215.200	0.030	214.55	214.52	0.655	0.685	600x600mm
55	S12c	S12	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
56	S12d	S12	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
57	S12	S13	13.0	200	325	215.200	215.200	0.040	213.61	213.57	1.595	1.635	910mm DIA
58	S13a	S13e	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
59	S13b	S13e	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
60	S13e	S13	7.0	150	225	215.200	215.200	0.030	214.55	214.52	0.655	0.685	600x600mm
61	S13c	S13	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
62	S13d	S13	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
63	S13	S14	13.0	200	325	215.200	215.200	0.040	213.57	213.53	1.635	1.675	910mm DIA
64	S14a	S14e	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
65	S14b	S14e	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
66	S14e	S14	7.0	150	225	215.200	215.200	0.030	214.55	214.52	0.655	0.685	600x600mm
67	S14c	S14	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
68	S14d	S14	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
69	S14	S15	13.0	200	325	215.200	215.200	0.040	213.53	213.49	1.675	1.715	1220mm Dia
70	S15a	S15e	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
71	S15b	S15e	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
72	S15e	S15	7.0	150	225	215.200	215.200	0.030	214.55	214.52	0.655	0.685	600x600mm
73	S15c	S15	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
74	S15d	S15	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
75	S15	S16	13.0	200	325	215.200	215.200	0.040	213.49	213.45	1.715	1.755	1220mm Dia
76	S16a	S16	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
77	S16b	S16	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
78	S17a	S17	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
79	S17b	S17	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
80	S17	S16	16.0	200	325	215.200	215.200	0.050	214.00	213.95	1.200	1.250	910mm DIA
81	S16	S18	12.0	200	325	215.200	215.100	0.035	213.45	213.41	1.755	1.690	1220mm Dia
82	S18a	S18	1.0	150	225	215.300	215.100	0.005	214.55	214.55	0.750	0.555	600x600mm
83	S18	S19	25.0	200	325	215.100	215.100	0.075	213.41	213.34	1.690	1.765	1220mm Dia
84	S20a	S20	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
85	S20b	S20	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
86	S20	S21	13.0	200	325	215.200	215.200	0.040	214.00	213.96	1.200	1.240	910mm DIA
87	S21a	S21	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
88	S21b	S21	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
89	S21	S22	13.0	200	325	215.200	215.200	0.040	213.96	213.92	1.240	1.280	910mm DIA
90	S22a	S22	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
91	S22b	S22	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
92	S22	S23	13.0	200	325	215.200	215.200	0.040	213.92	213.88	1.280	1.320	910mm DIA
93	S23a	S23	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
94	S23b	S23	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
95	S23	S24	13.0	200	325	215.200	215.200	0.040	213.88	213.84	1.320	1.360	910mm DIA
96	S24a	S24	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
97	S24b	S24	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
98	S24	S25	13.0	200	325	215.200	215.200	0.040	213.84	213.80	1.360	1.400	910mm DIA
99	S25a	S25	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
100	S25b	S25	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
101	S25	S26	13.0	200	325	215.200	215.200	0.040	213.80	213.76	1.400	1.440	910mm DIA
102	S26a	S26	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
103	S26b	S26	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
104	S26	S27	13.0	200	325	215.200	215.200	0.040	213.76	213.72	1.440	1.480	910mm DIA
105	S27a	S27	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
106	S27b	S27	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
107	S27	S28	13.0	200	325	215.200	215.200	0.040	213.72	213.68	1.480	1.520	910mm DIA
108	S28a	S28	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
109	S28b	S28	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
110	S28	S29	13.0	200	325	215.200	215.200	0.040	213.68	213.64	1.520	1.560	910mm DIA
111	S29a	S29	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
112	S29b	S29	1.0	150	225	215.300	215.200	0.005	214.55	214.55	0.750	0.655	600x600mm
113	S29	S19	16.0	200	325	215.200	215.100	0.050	213.64	213.59	1.560	1.510	910mm DIA
114	S19	STP	2.0	200	325	215.100	215.200	0.005	213.34	213.33	1.765	1.870	1220mm Dia

S.No.	SIZE OF MANHOLE	DEPTH OF MANHOLE
	600x600mm	UPTO 600mm
	900x800mm	BELOW 900mm
Ⓐ	910mm DIA	900mm TO 1650mm
Ⓑ	1220mm DIA	1651mm TO 1750mm

LEGENDS FOR PLUMBING:-	
MH	MANHOLE FOR SEWERAGE
MH	MANHOLE FOR SEWERAGE
	SEWERAGE LINE

IMPORTANT NOTES:-

1. DRAINAGE PLAN OF NON TOWER AREA SHALL BE PREPARED BASED ON LANDSCAPE PLAN.
2. FOR LOCATION OF MANHOLE/RECHARGE WELL. FIRE HYDRANT.GARDEN HAYDRANT.PLEASE REFER SETTING OUT PLAN ISSUED BY LANDSCAPE CONSULTANT.

NOTES:-

1. ALL DIMENSION IN MM.
2. FOR INVERT LEVEL/PIPE SIZE/PIPE SLOPE/TYPE OF MANHOLE REFER DESIGN CHART.
3. FOR CONSTRUCTION DETAIL OF MANHOLE. PLEASE REFER DRAWING NO (MH-DET-01)
4. ALL SEWER LINE SHALL BE LAID IN DWC HDPE PIPE CONFORMING TO IS:16098.
5. ALL SEWER LINE SHALL BE LAID ON PCC BED 1:5:10 WITH ALL ROUND CONCRETE AS PER DETAIL IN DRAWING NO.(MH-DET-01)
6. ALL DRAIN LINE SHALL BE LAID IN DWC HDPE PIPE CONFORMING TO IS:16098.
7. ALL BURIED PIPE SHALL BE TESTED FOR LEAKAGES AND STRAIGHTNESS AS PER SPECIFICATION
8. TRENCH SHALL BE REFILLED ONLY AFTER PIPE TESTING
9. CONNECTION OF WATER SUPPLY LINE FROM MUNICIPAL WATER SUPPLY MAIN UG TANK SHALL BE LAID IN HDPE PN-10 OF PE-100 GRADE AND SHALL BE LAID ON BED.

PROJECT -

PROPOSED LAYOUT PLAN
KHASRA NO :- 349 & 353
VILLAGE:- BHOVAPUR, GHAZIABAD

OWNER -

M/S. EARTHWAVES DEVELOPERS PVT. LTD
ADD:-G1-GROUND FLOOR,SOUTH EXTENSION , PART -2,NEW DELHI-110049

DRAWING TITLE :-

SEWERAGE LAYOUT PLAN

OWNER SIGN | ARCHITECT SIGN

ARCHITECTS & PLANNERS :

SINGLA ARCHITECTS & ASSOCIATES

EROS MARKET PLACE, PLOT NO- 02, SHOP - 87 1ST. FLOOR
SHAKTI KHAND - 2, INDIRAPURAM, GHAZIABAD (U.P.)
Mob: 9971998445
e-mail : gsingla32@gmail.com,

MEP Consultant:

WeDESIGN Associates
"Engineered to perfection"
Email - wedesignassociates@gmail.com
Mob. - 9999288416, 9999288407, 9882244495

DEALT BY:-	CHECKED BY:-	SCALE:-	DATE:-	DRG. No.:-
J.J	D.K	1 : 250	18.08.2022	PL-EXT-01