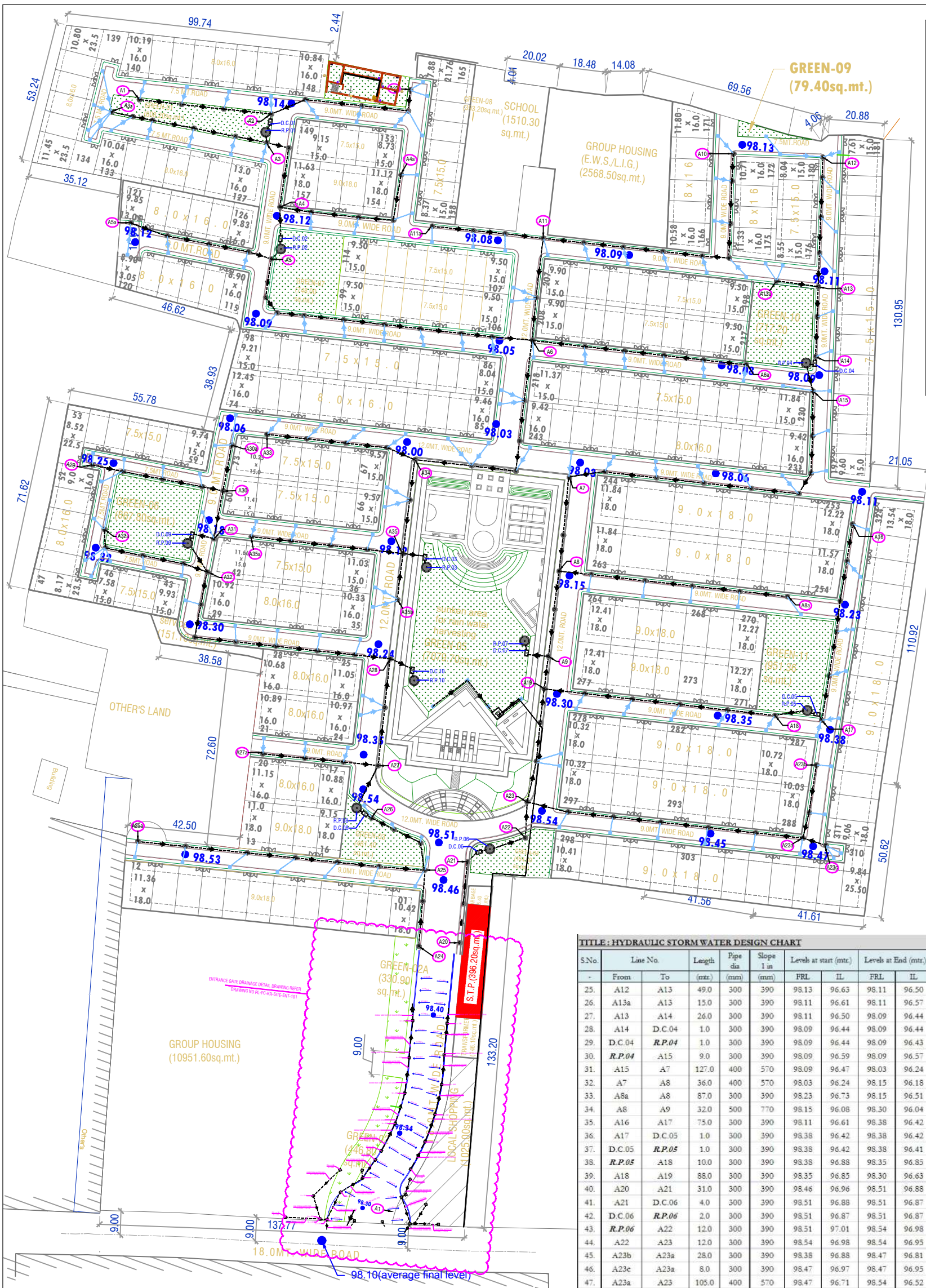

MEP SERVICES LEGEND :-

	SEWER MANHOLE WITH 560Ø MANHOLE COVER.
(I)	910 DIA MANHOLE UPTO 1.67 M DEPTH (REFER DESIGN CHART)
(II)	1220 DIA MANHOLE UPTO 2.29 M DEPTH (REFER DESIGN CHART)
(III)	1520 DIA MANHOLE UPTO 9.0 M DEPTH (REFER DESIGN CHART)
	STORM WATER MANHOLE WITH 560Ø PERFORATED MANHOLE COVER
(I)	910 DIA MANHOLE UPTO 1.67 M DEPTH (REFER DESIGN CHART)
(II)	1220 DIA MANHOLE UPTO 2.29 M DEPTH (REFER DESIGN CHART)
(III)	1520 DIA MANHOLE ABOVE 9.0 M DEPTH (REFER DESIGN CHART)
	CATCH BASIN (600 x 600) MM
	SEWER MANHOLE (900 x 800) MM
	EXTERNAL SEWER LINE (DIA AS / DESIGN CHART)
	INTERNAL STORM WATER LINE
	EXTERNAL STORM WATER LINE (DIA AS / DESIGN CHART)
	DOMESTIC WATER SUPPLY LINE (DIA MENTION IN LAYOUT)
	FLUSHING WATER SUPPLY LINE (DIA MENTION IN LAYOUT)
	GARDEN IRRIGATION WATER SUPPLY LINE (DIA MENTION IN LAYOUT)
	TUB WELL LINE
GH	GARDEN HYDRANT
R.P.	RECHARGE PIT, SIZE : (2000 x 4000) MM
D.C.	DESILTING CHAMBER (1000 X 2000)MM

CATCH BASIN
600 x 600 MM OR 450 x 450 MM
150Ø STORM WATER PIPE, S=1:150

SEWER MANHOLE
900 x 800 MM
150Ø INTERNAL SEWER LINE, S=1:100

TITLE : HYDRAULIC STORM WATER DESIGN CHART

S.No.	Line No.		Length	Pipe dia	Slope 1 in	Levels at start (mtr.)		Levels at End (mtr.)		Number of
-	From	To	(mtr.)	(mm)	(mm)	FRL	IL	FRL	IL	(Nos.)
1.	A1	A2	50.0	300	390	98.14	96.94	98.14	96.81	3
2.	A2a	A2	61.0	300	390	98.14	96.94	98.14	96.78	4
3.	A2	D.C.01	2.0	300	390	98.14	96.78	98.14	96.78	1
4.	D.C.01	***R.P.01***	2.0	300	390	98.14	96.78	98.14	96.77	0
5.	***R.P.01***	A3	2.0	300	390	98.14	96.94	98.14	96.93	0
6.	A3a	A3	60.0	300	390	98.14	96.94	98.14	96.79	5
7.	A3	A4	31.0	300	390	98.14	96.79	98.12	96.71	2
8.	A4a	A4	60.0	300	390	98.12	96.92	98.12	96.77	4
9.	A4	D.C.02	10.0	400	570	98.12	96.61	98.12	96.59	1
10.	D.C.02	***R.P.02***	1.0	400	570	98.12	96.59	98.12	96.59	0
11.	***R.P.02***	A5	2.0	400	570	98.12	96.82	98.12	96.82	0
12.	A5a	A5	55.0	300	390	98.12	96.92	98.12	96.78	4
13.	A5	A6	119.0	400	570	98.12	96.68	98.05	96.47	9
14.	A10	A11	110.0	300	390	98.13	96.93	98.09	96.65	8
15.	A11a	A11	42.0	300	390	98.08	96.88	98.09	96.77	3
16.	A11	A6	39.0	400	570	98.09	96.55	98.05	96.48	2
17.	A6a	A6	81.0	300	390	98.08	96.88	98.05	96.67	5
18.	A6	A34	88.0	600	900	98.05	96.27	98.00	96.17	5
19.	A33	A34	57.0	300	390	98.06	96.86	98.00	96.71	4
20.	A34	A35	36.0	700	1000	98.00	96.07	98.12	96.04	2
21.	A35a	A35	58.0	300	390	98.18	96.98	98.12	96.83	4
22.	A35b	A35	15.0	300	390	98.12	96.92	98.12	96.88	1
23.	A35	D.C.03	7.0	700	1000	98.12	96.04	97.67	96.03	1
24.	D.C.03	***R.P.03***	1.0	700	1000	97.67	96.03	97.67	96.03	0

TITLE : HYDRAULIC STORM WATER DESIGN CHART

S.No.	Line No.		Length	Pipe dia	Slope 1 in	Levels at start (mtr.)		Levels at End (mtr.)		Number of
-	From	To	(mtr.)	(mm)	(mm)	FRL	IL	FRL	IL	(Nos.)
25.	A12	A13	49.0	300	390	98.13	96.63	98.11	96.50	4
26.	A13a	A13	15.0	300	390	98.11	96.61	98.11	96.57	1
27.	A13	A14	26.0	300	390	98.11	96.50	98.09	96.44	2
28.	A14	D.C.04	1.0	300	390	98.09	96.44	98.09	96.44	1
29.	D.C.04	***R.P.04***	1.0	300	390	98.09	96.44	98.09	96.43	0
30.	***R.P.04***	A15	9.0	300	390	98.09	96.59	98.09	96.57	0
31.	A15	A7	127.0	400	570	98.09	96.47	98.03	96.24	8
32.	A7	A8	36.0	400	570	98.03	96.24	98.15	96.18	2
33.	A8a	A8	87.0	300	390	98.23	96.73	98.15	96.51	5
34.	A8	A9	32.0	500	770	98.15	96.08	98.30	96.04	2
35.	A16	A17	75.0	300	390	98.11	96.61	98.38	96.42	5
36.	A17	D.C.05	1.0	300	390	98.38	96.42	98.38	96.42	1
37.	D.C.05	***R.P.05***	1.0	300	390	98.38	96.42	98.38	96.41	0
38.	***R.P.05***	A18	10.0	300	390	98.38	96.88	98.35	96.85	0
39.	A18	A19	88.0	300	390	98.35	96.85	98.30	96.63	5
40.	A20	A21	31.0	300	390	98.46	96.96	98.51	96.88	2
41.	A21	D.C.06	4.0	300	390	98.51	96.88	98.51	96.87	1
42.	D.C.06	***R.P.06***	2.0	300	390	98.51	96.87	98.51	96.87	0
43.	***R.P.06***	A22	12.0	300	390	98.51	97.01	98.54	96.98	0
44.	A22	A23	12.0	300	390	98.54	96.98	98.54	96.95	1
45.	A23b	A23a	28.0	300	390	98.38	96.88	98.47	96.81	2
46.	A23c	A23a	8.0	300	390	98.47	96.97	98.47	96.95	1
47.	A23a	A23	105.0	400	570	98.47	96.71	98.54	96.52	6
48.	A23	A19	43.0	400	570	98.54	96.52	98.30	96.45	3
49.	A19	A9	11.0	500	770	98.30	96.35	98.30	96.33	1
50.	A9	D.C.07	4.0	700	1000	98.30	95.84	97.85	95.84	1
51.	D.C.07	***R.P.07***	2.0	700	1000	97.85	95.84	97.85	95.83	0
52.	A24	A25	29.0	300	390	98.46	96.96	98.46	96.89	2
53.	A25a	A25	109.0	300	390	98.53	97.03	98.46	96.75	6
54.	A25	A26	31.0	400	570	98.46	96.65	98.54	96.60	3
55.	A26	D.C.08	2.0	400	570	98.54	96.60	98.54	96.59	1
56.	D.C.08	***R.P.08***	1.0	400	570	98.54	96.59	98.54	96.59	0
57.	***R.P.08***	A27	16.0	300	390	98.54	97.04	98.35	97.00	0
58.	A27a	A27	44.0	300	390	98.35	96.85	98.35	96.74	3
59.	A27	A28	41.0	300	390	98.35	96.74	98.24	96.63	2
60.	A29	A30	50.0	300	390	98.25	96.75	98.18	96.62	4
61.	A30a	A30	16.0	300	390	98.06	96.56	98.18	96.52	1
62.	A30	A31	17.0	300	390	98.18	96.52	98.18	96.48	1
63.	A31	D.C.09	7.0	300	390	98.18	96.48	98.18	96.46	1
64.	D.C.09	***R.P.09***	1.0	300	390	98.18	96.46	98.18	96.45	0
65.	***R.P.09***	A32	11.0	300	390	98.18	96.68	98.18	96.65	0
66.	A32a	A32	47.0	300	390	98.32	96.82	98.18	96.70	4
67.	A32	A28	99.0	400	570	98.18	96.55	98.24	96.38	7
68.	A28	D.C.10	4.0	500	770	98.24	96.28	97.79	96.27	1
69.	D.C.10	***R.P.10***	2.0	500	770	97.79	96.27	97.79	96.27	0

ISSUES

NO.	DATE	BY	DESCRIPTION	PRINTS

REVISIONS

NO.	DATE	BY	DESCRIPTION

PROJECT:

PROJECT MINI TOWNSHIP-**ORO CITY**,
JANKIPURAM EXTENSION, GRAM-MADIAON,
TEHSHIL-BAKSHI KA TALAB,KURSI ROAD,LUCKNOW

DEVELOPER/PROMOTER:

M/S ORO CONSTRUCTIONS PVT. LTD.
5TH FLOOR,ELDECO TOWER ,
VIBHUTI KHAND,GOMTI NAGAR ,
LUCKNOW-226010

ARCHITECT:

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DRAWING TITLE :

EXTERNAL SITE PLAN
STORM LAYOUT

scale :	1:500 (A0)	drawn by :	T.S.RAWAT
date :	21/06/17	checked by :	ANIL
project no :	----------	approved by :	NAFEES

drawing no : PL-PC-OC-SITE-STORM-101

REVISION: