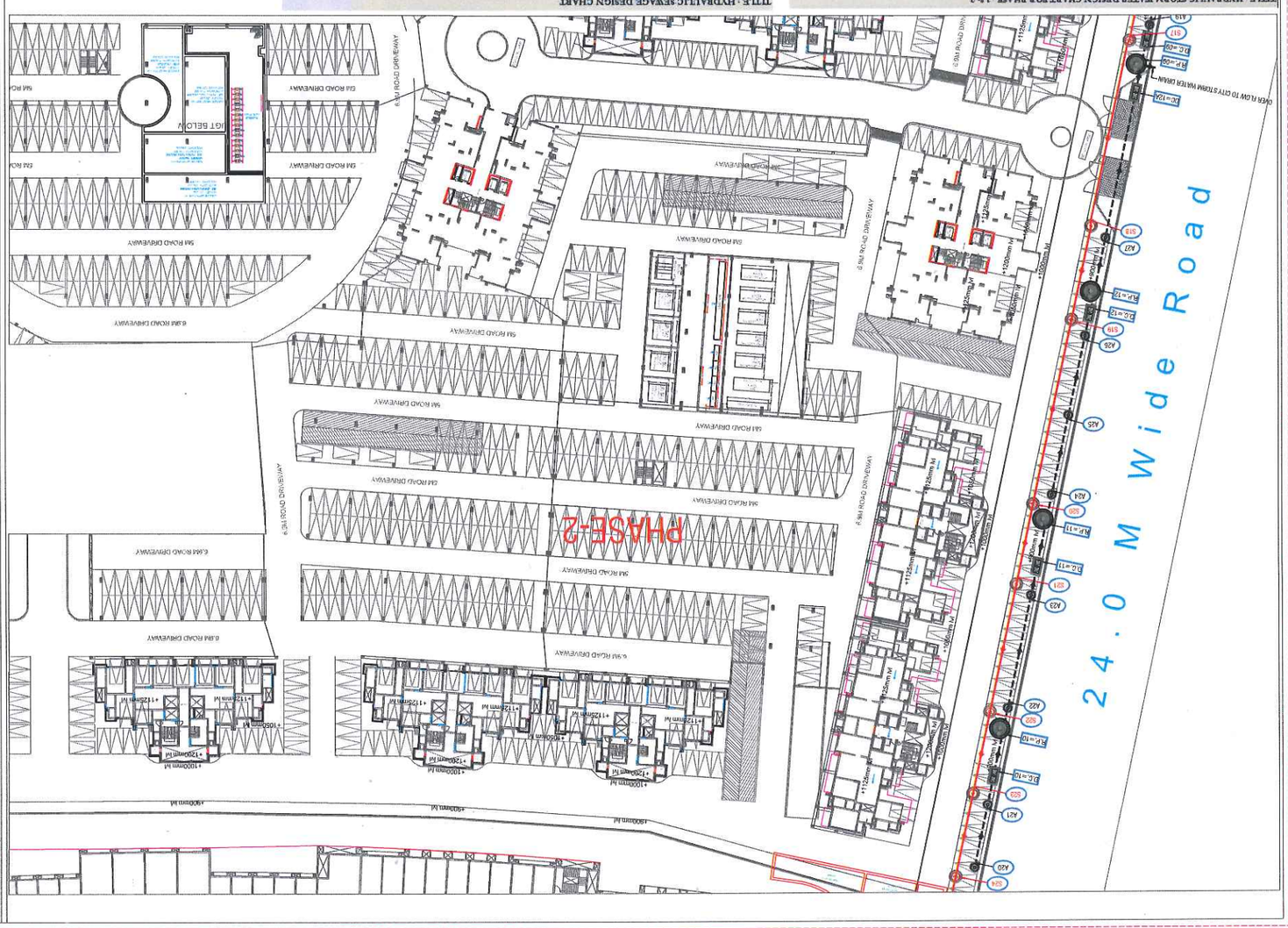

TITLE : HYDRAULIC STORM WATER DESIGN CHART FOR PHASE - 1 & 2

S.No.	Line No.		Length	Pipe dia	Slope 1 in	Levels at invert (mm)		Levels at Rl.Rd (mm)		Upto 1670 mm	From 1670 to 2290	From 2290 to 6000 mm
	From	To	(mtr.)	(mm)	(mm)	FRL	IL	FRL	IL	910 Dia	1220 Dia	1520 Dia
1.	A1	A2	14.5	400	570	900	-1100	900	-1130	0	1	0
2.	A2	D.C.01	3.1	400	570	900	-1110	900	-1140	0	1	0
3.	D.C.01	R.P.01	3.2	400	570	900	-1110	900	-1140	0	1	0
4.	R.P.01	A3	13.7	400	570	900	-1100	900	-1130	0	0	0
5.	A3	A4	15.0	400	570	900	-1090	900	-1160	0	1	0
6.	A4	D.C.02	5.6	400	570	900	-1090	900	-1170	0	1	0
7.	D.C.02	R.P.02	3.4	400	570	900	-1170	900	-1180	0	0	0
8.	R.P.02	A5	3.9	400	570	900	-1100	900	-1110	0	0	0
9.	A5	A6	17.5	400	570	900	-1110	900	-1150	0	1	0
10.	A6	D.C.03	5.6	400	570	900	-1150	900	-1160	0	1	0
11.	D.C.03	R.P.03	3.6	400	570	900	-1160	900	-1170	0	0	0
12.	R.P.03	A7	6.4	400	570	900	-1100	900	-1130	0	0	0
13.	A7	A8	16.1	400	570	900	-1120	900	-1150	0	1	0
14.	A8	A9	15.0	400	570	900	-1150	900	-1180	0	1	0
15.	A9	D.C.04	3.4	500	770	900	-1280	900	-1290	0	1	0
16.	D.C.04	R.P.04	3.3	500	770	900	-1290	900	-1300	0	0	0
17.	R.P.04	A10	7.2	500	770	900	-1200	900	-1210	0	0	0
18.	A10	A11	17.2	500	770	900	-1210	900	-1240	0	1	0
19.	A11	D.C.05	5.6	500	770	900	-1240	900	-1250	0	1	0
20.	D.C.05	R.P.05	3.3	500	770	900	-1250	900	-1260	0	0	0
21.	R.P.05	A12	3.8	500	770	900	-1200	900	-1210	0	0	0
22.	A12	A13	20.0	500	770	900	-1210	900	-1240	0	1	0
23.	A13	D.C.06	5.1	500	770	900	-1240	900	-1260	0	1	0
24.	D.C.06	R.P.06	3.3	500	770	900	-1260	900	-1270	0	0	0
25.	R.P.06	A14	6.3	500	770	900	-1200	900	-1210	0	0	0
26.	A14	A15	22.3	500	770	900	-1210	900	-1240	0	1	0
27.	A15	D.C.07	4.5	600	990	900	-1340	900	-1350	0	1	0
28.	D.C.07	R.P.07	3.3	600	990	900	-1350	900	-1360	0	0	0
29.	R.P.07	A16	6.3	600	990	900	-1300	900	-1310	0	0	0
30.	A16	A17	20.0	600	990	900	-1310	900	-1340	0	1	0
31.	A17	D.C.08	3.1	600	990	900	-1340	900	-1350	0	1	0
32.	D.C.08	R.P.08	3.3	600	990	900	-1350	900	-1360	0	0	0
33.	R.P.08	A18	6.4	600	990	900	-1300	900	-1310	0	0	0
34.	A18	A19	16.3	600	990	900	-1310	900	-1330	0	1	0
35.	A19	D.C.09	1.8	600	990	900	-1330	900	-1340	0	1	0
36.	D.C.09	R.P.09	2.5	600	990	900	-1340	900	-1350	0	0	0
37.	A20	A21	12.5	500	770	900	-1200	900	-1220	0	1	0
38.	A21	D.C.10	4.5	500	770	900	-1220	900	-1230	0	1	0
39.	D.C.10	R.P.10	6.8	500	770	900	-1230	900	-1240	0	0	0
40.	R.P.10	A22	2.9	500	770	900	-1200	900	-1210	0	0	0
41.	A22	A23	22.5	500	770	900	-1210	900	-1240	0	1	0
42.	A23	D.C.11	4.5	500	770	900	-1240	900	-1250	0	1	0
43.	D.C.11	R.P.11	6.8	500	770	900	-1250	900	-1260	0	0	0
44.	R.P.11	A24	3.1	500	770	900	-1200	900	-1210	0	0	0
45.	A24	A25	15.9	500	770	900	-1210	900	-1240	0	1	0
46.	A25	A26	15.9	600	1000	900	-1240	900	-1260	0	1	0
47.	A26	D.C.12	3.1	600	1000	900	-1360	900	-1370	0	1	0
48.	D.C.12	R.P.12	1.8	600	1000	900	-1370	900	-1380	0	0	0
49.	R.P.12	A27	9.5	600	1000	900	-1300	900	-1310	0	0	0
50.	A27	D.C.13A	27.6	600	1000	900	-1310	900	-1340	0	1	0
51.	D.C.13A	R.P.09	3.1	600	1000	900	-1340	900	-1350	0	0	0
52.	R.P.09	City Drain	15.0	700	1200	900	-1400	0	-1420	0	0	0

Manhole Type

TITLE : HYDRAULIC SEWAGE DESIGN CHART

S.No.	Line No.		Length	Pipe Size	Slope 1 in	Levels at invert (mm)		Levels at Rl.Rd (mm)		Upto 1670 mm	From 1670 to 2290 mm	From 2290 to 6000 mm
	From	To	(mtr.)	(mm)	(mm)	FRL	IL	FRL	IL	910 Dia	1220 Dia	1520 Dia
1.	S1a	S1b	16.2	200	140	900	-900	900	-1020	0	1	0
2.	S1b	S1c	19.5	200	140	900	-1020	900	-1160	0	1	0
3.	S1c	S1d	16.2	200	140	900	-1160	900	-1280	0	1	0
4.	S1d	S1e	17.5	200	140	900	-1280	900	-1410	0	1	0
5.	S1e	S1	17.7	250	190	900	-1460	900	-1560	0	0	1
6.	S1	S2	15.9	300	250	900	-1610	900	-1680	0	0	1
7.	S2	S3	20.0	300	250	900	-1680	900	-1760	0	0	1
8.	S3	S4	14.9	300	250	900	-1760	900	-1820	0	0	1
9.	S4	S5	20.0	300	250	900	-1820	900	-1900	0	0	1
10.	S5	S6	16.2	300	250	900	-1900	900	-1970	0	0	1
11.	S6	S7	19.0	400	370	900	-2070	900	-2130	0	0	1
12.	S7	S8	16.0	400	370	900	-2130	900	-2180	0	0	1
13.	S8	S9	33.8	400	370	900	-2180	900	-2280	0	0	1
14.	S9	S10	30.0	400	370	900	-2280	900	-2380	0	0	1
15.	S10	S11	15.7	400	370	900	-2380	900	-2430	0	0	1
16.	S11	S12	21.8	400	370	900	-2430	900	-2490	0	0	1
17.	S12	S13	23.6	400	370	900	-2490	900	-2560	0	0	1
18.	S13	S14	16.7	400	370	900	-2560	900	-2610	0	0	1
19.	S14	S15	16.0	400	370	900	-2610	900	-2660	0	0	1
20.	S15	S16	25.4	400	370	900	-2660	900	-2730	0	0	1
21.	S16	S17	16.0	400	370	900	-2730	900	-2780	0	0	1
22.	S17	S18	37.0	400	370	900	-2780	900	-2880	0	0	1
23.	S18	S19	16.6	500	500	900	-2880	900	-2920	0	0	1
24.	S19	S20	36.7	500	500	900	-2920	900	-3000	0	0	1
25.	S20	S21	16.0	500	500	900	-3000	900	-3040	0	0	1
26.	S21	S22	35.4	500	500	900	-3040	900	-3100	0	0	1
27.	S22	S23	16.3	500	500	900	-3100	900	-3140	0	0	1
28.	S23	S24	16.5	500	500	900	-3140	900	-3180	0	0	1
29.	S24	S25	30.8	500	500	900	-3180	900	-3250	0	0	1
30.	S25	S26	30.5	500	500	900	-3250	900	-3320	0	0	1
56.	S26	S.T.P.	2.0	600	625	900	-3320	900	-3330	0	0	1

Type of Manhole

S.No.	Type of Manhole
1.	Upto 1670 mm
2.	From 1670 to 2290 mm
3.	From 2290 to 6000 mm

LEGEND

- SEWER MANHOLE WITH SIZE AND DEPTH
- VENTILATION STACK WITH SIZE
- EXISTING SEWER LINE AS PER GOVT. RECORDS
- WATER LINE

REVISIONS			
NO.	DATE	BY	DESCRIPTION
01	01/01/2021		

Drawing Status	
Drawn by	
Checked by	
Approved by	

CONCEPT DRAWING

PROJECT:
ATS-KNIGHTHOOD DRIVE
SECTOR-152, NOIDA (U.P.)

OWNER:
M/s ATS INFRASTRUCTURE LTD.
PM No. 16, Sector -135,
NOIDA, Gautam Budh Nagar.
Uttar Pradesh

ARCHITECT/DESIGN & CONSULTANT:
ATS-DESIGN & DEVELOPMENT
DIVISION, NOIDA

LANDSCAPE ARCHITECT:
Architect Haloez Contractor
29 Bank Street, Bombay-23, ph.2861920

GEO TECHNICAL EXPERT:
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PLOT NO. 96, POCKET-1, BASEMENT
JASOLA VIHAR NEW DELHI - 110025
Ph+91-11-29819601, 4193061 9
E-mail: paradiseconsultants@gmail.com

COMPANY SEAL:

SITE (STLT) PLAN PHASE-2 EXTERNAL SEWERAGE & STORM WATER LAYOUT

Scale:	1:500 (A1)	Drawn by:	MANMOHAN
Date:	25/05/19	Checked by:	AMIT
Approved by:	----------	Drawing No.:	NAFEES

Drawing No.:
PL-PC-ATS-MG-SITE-101

Revision:	NO	RT	R2	R3				