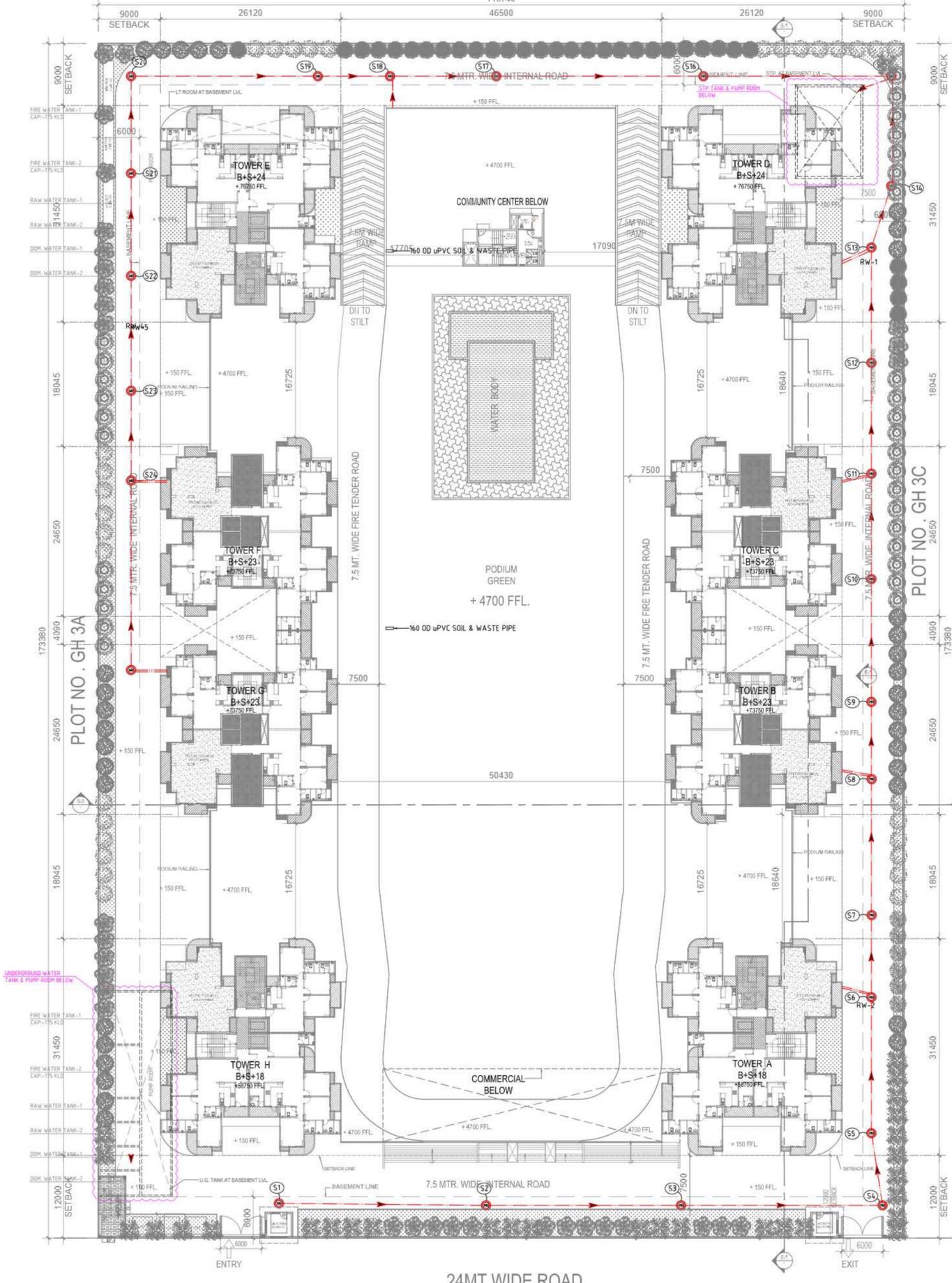


PLOT NO. GH 4A & GH4B

116740

46500



DESIGN OF SEWERAGE SYSTEM

S.No.	Line	Length	Pipe Size (mm)	Slope (1%)	Ground Level (m)	Invert Level (m)	Depth (m)				
From	To				Start	End	Start	End			
1	S1	S2	13.0	200	145	0.150	0.150	-0.750	-0.840	0.900	0.990
2	S2	S3	17.0	200	145	0.150	0.150	-0.840	-0.957	0.990	1.107
3	S3	S4	15.0	200	145	0.150	0.150	-0.957	-1.060	1.107	1.210
4	S4	S5	14.0	200	145	0.150	0.150	-1.060	-1.157	1.210	1.307
5	S5	S6	22.0	200	145	0.150	0.150	-1.157	-1.309	1.307	1.459
6	S6	S7	30.0	200	145	0.150	0.150	-1.309	-1.516	1.459	1.666
7	S7	S8	28.0	200	145	0.150	0.150	-1.516	-1.709	1.666	1.859
8	S8	S9	29.0	200	145	0.150	0.150	-1.709	-1.909	1.859	2.059
9	S9	S10	11.0	200	145	0.150	0.150	-1.909	-1.984	2.059	2.134
10	S10	S11	20.0	200	145	0.150	0.150	-1.984	-2.122	2.134	2.272
11	S11	S12	12.0	200	145	0.150	0.150	-2.122	-2.205	2.272	2.355
12	S12	S13	20.0	200	145	0.150	0.150	-2.205	-2.343	2.355	2.493
13	S13	S14	11.0	200	145	0.150	0.150	-2.343	-2.419	2.493	2.569
14	S14	S15	18.0	200	145	0.150	0.150	-2.419	-2.543	2.569	2.693
15	S15	S16	15.0	200	145	0.150	0.150	-2.543	-2.647	2.693	2.797
16	S16	S17	16.0	200	145	0.150	0.150	-2.647	-2.757	2.797	2.907
17	S17	S18	17.0	250	195	0.150	0.150	-2.757	-2.844	2.907	2.994
18	S18	S19	10.0	250	195	0.150	0.150	-2.844	-2.895	2.994	3.045
19	S19	S20	16.0	250	195	0.150	0.150	-2.895	-2.977	3.045	3.127
20	S21	S22	20.0	200	145	0.150	0.150	-0.750	-0.888	0.900	1.038
21	S22	S23	10.5	200	145	0.150	0.150	-0.888	-0.960	1.038	1.110
22	S23	S24	15.5	200	145	0.150	0.150	-0.960	-1.067	1.110	1.217
23	S24	S25	30.0	200	145	0.150	0.150	-1.067	-1.274	1.217	1.424
24	S25	S26	28.0	200	145	0.150	0.150	-1.274	-1.447	1.424	1.617
25	S26	S.T.P.	5.0	250	195	0.150	0.150	-2.977	-3.003	3.127	3.153

Table 3: Calculation of Solid Waste Generation

S. No.	Category	kg per capita per day	Waste generated (kg/day)
1.	Residents	3321 @ 0.3 kg/day	1780
2.	Staff	240 @ 0.25 kg/day	62
3.	Visitors	400 @ 0.15 kg/day	65
4.	Landscape waste	1.89 acre @ 15 kg/acre/day	28
TOTAL SOLID WASTE GENERATED			1935 kg/day

Table 2: Waste Water Calculations

Domestic Water Requirement	320.60 KLD
• Fresh (70% of domestic)	224.50 KLD
• Flushing (30% of domestic)	96.10 KLD
Waste Water Generated (80% fresh + 100% flushing)	275.70 KLD
STP Capacity @ 20% Excess on waste water generated	331 KLD
SAV	335 KLD

SEWERAGE LEGEND

S.No.	SEWERAGE LEGEND	SYMBOL
1.	SEWER MANHOLE	
2.	SEWER LINE	

SIZE OF MANHOLE WITH REFERENCE TO DEPTH

DEPTH	SIZE OF M.H.
0.91m TO 1.65m	900mm DIA
1.66m TO 2.30m	1200mm DIA
2.31m TO 9.0m	1500mm DIA

* SIZE OF MANHOLE SHALL BE WITH RESPECT TO DEPTH

PROPOSED GROUP HOUSING PLOT NO. 38 SECTOR-12 GREATER NOIDA WEST

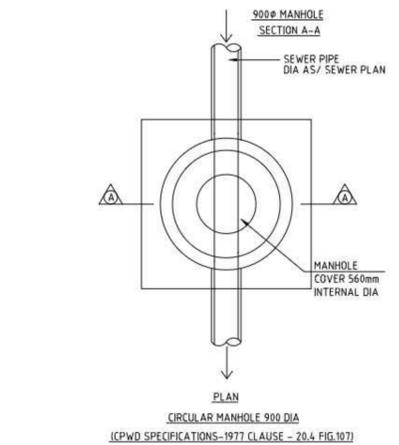
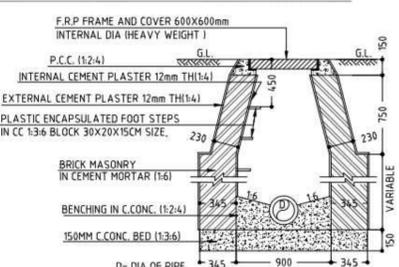
DESCRIPTION	SQMT
PLOT AREA	20000.000
PERMISSIBLE GROUND COVERAGE @ 85%	7000.000
PERMISSIBLE F.A.R. @ 1.5	7000.000
PERMISSIBLE GREEN FAR @ 5%	3500.000
TOTAL PERMISSIBLE FAR AREA (A)	83.675
PERMISSIBLE ANCILLARY FAR (15%) (B)	10500.000
PROPOSED ANCILLARY FAR (15%) (D)	10500.000
PROPOSED FAR IN HOUSING + COMMERCIAL (F)	73399.215
TOTAL PROPOSED FAR AREA	83.70
PROPOSED GROUND COVERAGE (24.55%)	4910.546
PERMISSIBLE DENSITY @ 2100 PPH/A (PERSONS)	2100.000
PROPOSED DENSITY (4% FLAT X 4 PERSON + 84 SERVANT ROOM X 2.5 PERSON) (PERSON)	1640.500
PROPOSED TOTAL BASEMENT AREA (NON FAR)	14023.257
PROPOSED TOTAL STILT AREA (NON FAR)	3061.336
PROPOSED TOTAL PODIUM PARKING AREA (NON FAR)	8433.587
PERMISSIBLE COMMERCIAL AREA @ 1% OF PERMISSIBLE FAR	735.000
PROPOSED COMMERCIAL AREA	730.930
TOTAL OPEN AREA (PLOT AREA - PROP. GROUND COVERAGE)	15089.454
PERMISSIBLE GREEN AREA @ 50% OF OPEN AREA	7544.727
PROPOSED GREEN AREA	8145.231

PROPOSED AREA SUMMARY

S.NOS	TOWER NAME	NO OF UNIT	NO OF FLOORS	PROPOSED GROUND COVERAGE	PROPOSED FAR AREA	PROPOSED ANCILLARY FAR AREA (15%)	PROPOSED NON FAR AREA (STILT/PODIUM/BASEMENT)	TOTAL BUILTUP AREA	TOTAL TERRA CARPET AREA	
1	BASEMENT		1	0.000	0.000	559.394	0.000	15443.858	3603.237	
2	PODIUM		1	0.000	0.000	0.000	8401.980	8401.980	0.000	
3	TOWER A	71	18	507.487	8234.041	1129.471	1449.854	512.905	11326.489	7281.313
4	TOWER B	91	23	414.632	8392.986	1146.420	1598.043	413.123	11500.771	7292.823
5	TOWER C	91	23	414.632	8392.986	1146.420	1598.043	413.123	11500.771	7292.823
6	TOWER D	95	24	507.487	8234.041	1129.471	1449.854	512.905	11326.489	8794.885
7	TOWER E	95	24	507.487	8234.041	1129.471	1449.854	512.905	11326.489	8794.885
8	TOWER F	91	23	414.632	8392.986	1146.420	1598.043	413.123	11500.771	7292.823
9	TOWER G	91	23	414.632	8392.986	1146.420	1598.043	413.123	11500.771	7292.823
10	TOWER H	18	18	507.487	8234.041	1129.471	1449.854	512.905	11326.489	7281.313
11	COMMUNITY CENTER		1	746.682	468.463	21.506	0.000	820.629	0.000	
12	COMMERCIAL		2	387.690	720.930	0.000	107.525	0.000	838.455	0.000
13	GUARD ROOM-1		1	15.000	0.000	0.000	0.000	0.000	15.000	0.000
14	GUARD ROOM-2		1	15.000	0.000	0.000	0.000	0.000	15.000	0.000
15	METER, HF ROOM		2	36.300	0.000	0.000	0.000	0.000	36.300	0.000
17	TOTAL	696		4910.546	73399.215	10520.371	13277.827	27769.950	128967.362	63027.688

ACHIEVED DENSITY CALCULATION

S.NO	TOWER	3BHK WITH SERVANT ROOM (TYPE-1)	3BHK WITH STUDY (TYPE-2)	3BHK WITH 3 TOILET (TYPE-3)	3BHK WITH 3 TOILET (TYPE-4)	3BHK WITH 2 TOILET (TYPE-5)	3BHK WITH 2 TOILET (TYPE-6)	TOTAL NOS OF FLAT WITH SERVANT	TOTAL NOS OF FLAT WITHOUT SERVANT	PERSON PER FLAT WITH SERVANT ROOM	PERSON PER FLAT WITHOUT SERVANT ROOM	TOTAL PERSONS
1	TOWER - A	38	38	18	0	17	0	18	53	6.75	4.5	360
2	TOWER - B	0	0	0	0	23	23	45	0	6.75	4.5	409.5
3	TOWER - C	0	0	0	0	23	23	45	0	6.75	4.5	409.5
4	TOWER - D	24	24	24	0	23	23	24	71	6.75	4.5	481.5
5	TOWER - E	0	0	0	0	23	23	45	0	6.75	4.5	409.5
6	TOWER - F	0	0	0	0	23	23	45	0	6.75	4.5	409.5
7	TOWER - G	24	24	24	0	23	23	24	71	6.75	4.5	481.5
8	TOWER - H	18	18	18	0	17	0	18	53	6.75	4.5	360
9	TOTAL PERSON FOR 2000SQMT PLOT	84	84	84	92	172	180	84	612			3321
10	TOTAL PERSON PER HACTARE											1660.5



PROJECT NAME & ADDRESS:
M/S SUBLIME REALTECH PVT.LTD
PLOT NO. GH-3B SECTOR-12,
GREATER NOIDA WEST (UP)

PRINCIPAL ARCHITECT/ DESIGN CONSULTANT NAME & ADDRESS:

ARCHITECT CONSULTANT & PLANNERS
C-56/5, 3rd FLOOR, SECTOR-62, NOIDA - 201301
e-mail:- acplconsultant@gmail.com
Mo:- 09818061269

SUBMISSION DRAWING

OWNER'S SIGNATURE & SEAL: _____ ARCHITECT'S SIGNATURE & SEAL: _____

BUILDING/BLOCK/FLOOR/PART: _____ NORTH:

DRAWING TITLE: **SEWERAGE SITE LAYOUT PLAN**
DEALT: _____ CHECKED: _____
SCALE: _____ DATE: _____
DRAWING NO./CAD FILE NAME: _____ SHEET NO.: _____