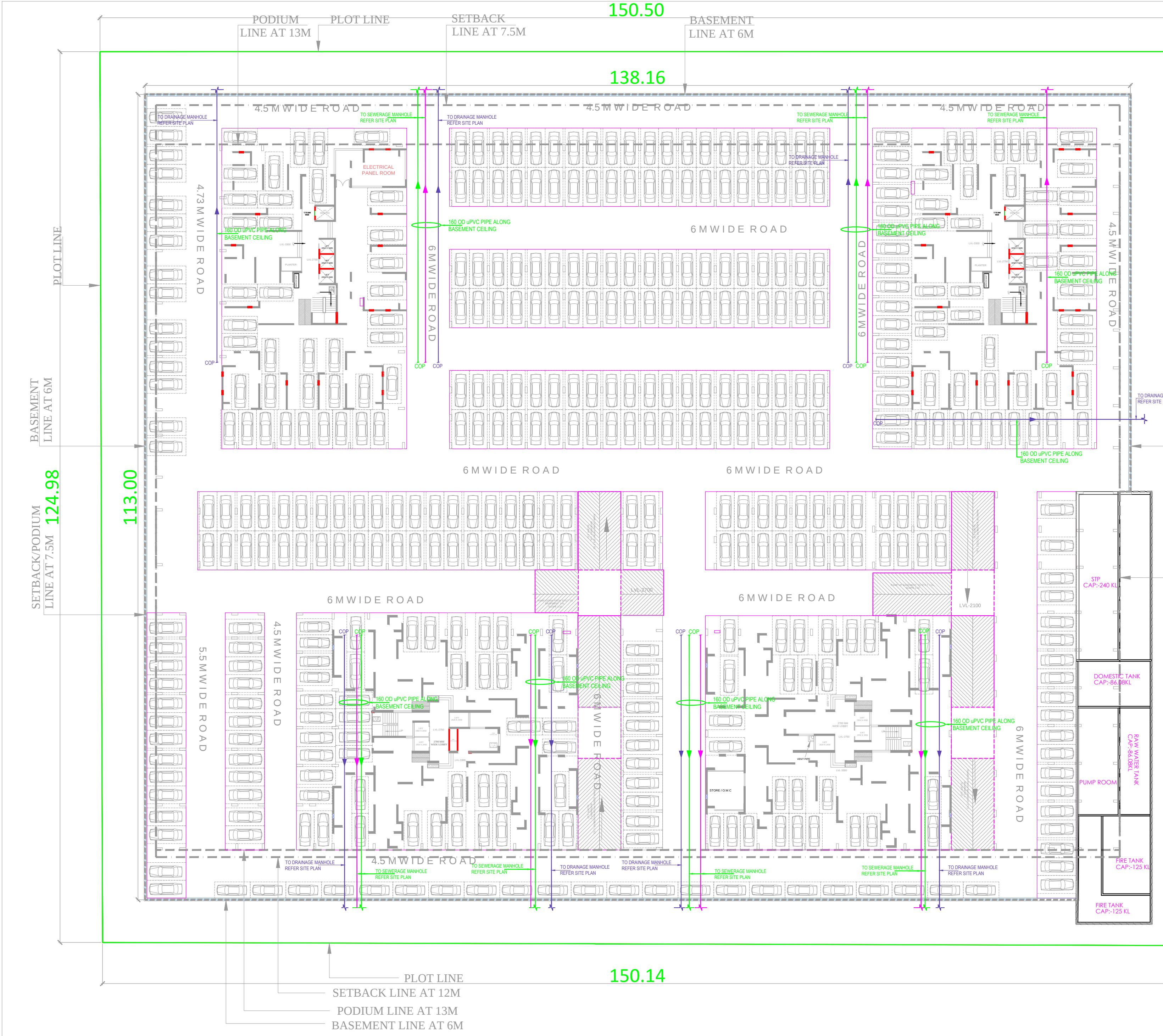




AREA CHART DETAIL				
S. NO.	AREA DETAIL	PERMISSIBLE AREA DETAIL	PROPOSED AREA DETAIL	% AREA DETAIL
1	PLOT AREA	18819.39		
2	F.A.R. @ 3.5	66867.87		
3	GREEN BUILDING F.A.R. @ 5%+3.675	3293.37		
4	FAR AREA FOR RESIDENTIAL	68502.56	68452.98	99.9
5	FAR AREA FOR COMMERCIAL @ 1%	658.68	657.37	99.8
6	ANCILLARY AREA 15%	9880.18	9879.57	100.0
7	TOTAL F.A.R. @ 3.5 + 15% ANCILLARY AREA + 5% GREEN BUILDING	79041.41	78989.92	99.9
8	GROUND COVERAGE @ 35%	6586.79	6378.59	96.5
9	REQUIRED GREEN AREA 50% OF OPEN AREA	7220.40	8771.16	121.5
10	NO. OF UNITS	878	568	64.7
11	DENSITY CALCULATION LEASE DEED / B.S.L. PER UNIT PERSON	1952	2556	66.7
		2100	1358	64.7

AREA CALCULATIONS				
PLOT AREA				18819.390 SQM
BUILT UP AREA CALCULATIONS				
DESCRIPTION	FLOOR PLATE AREA	NO. OF FLOORS	NO. OF TOWERS	TOTAL AREA
LOWER BASEMENT	12447.036	1	-----	12447.036 SQM
UPPER BASEMENT	15653.781	1	-----	15653.781 SQM
PODIUM/STILT	12724.191	1	-----	12724.191 SQM
METER ROOM	25.000	1	-----	25.000 SQM
GUARD ROOM	9.000	1	-----	9.000 SQM
COMMERCIAL AT GROUND	657.369	1	-----	657.369 SQM
COMMUNITY FACILITY AT PODIUM	892.803	2	-----	892.803 SQM
TOWER-A&D (4BHK FLOOR)				
TYPICAL FLOOR (4 UNITS)	653.869	26	2	34001.188 SQM
REFUGE FLOOR (4 UNITS)	683.536	2	2	2734.144 SQM
29TH FLOOR (2 UNITS)	381.263	1	2	762.526 SQM
TOWER-B&C (3BHK FLOOR)				
TYPICAL FLOOR (6 UNITS)	678.224	26	2	35267.648 SQM
REFUGE FLOOR (4 UNITS)	708.833	2	2	2835.332 SQM
29TH FLOOR (2 UNITS)	306.746	1	2	613.492 SQM
ARCHITECTURE ELEMENT	24.98	-----	-----	24.980 SQM
MACHINERY ROOM	93.96	-----	-----	93.960 SQM
WATER TANK	113.55	-----	-----	113.550 SQM
TOTAL				118856.000 SQM

DRAINAGE LEGENDS:-		
S. NO.	DESCRIPTION	SYM.
1.	SOIL PIPE LINE	---
2.	WASTE PIPE LINE	---
3.	RAIN WATER PIPE LINE	---
4.	CLEAN OUT PLUG	---COP

Calculations for storm water load.

Roof-top area = Ground Coverage = 4378.59m²
Green Area = 8772.26 m²
Paved Area = Total Plot Area - (Roof-top Area + Green Area)
= 18819.39 - (8772.26 + 4378.59)
= 5668.54 m²

Runoff Load

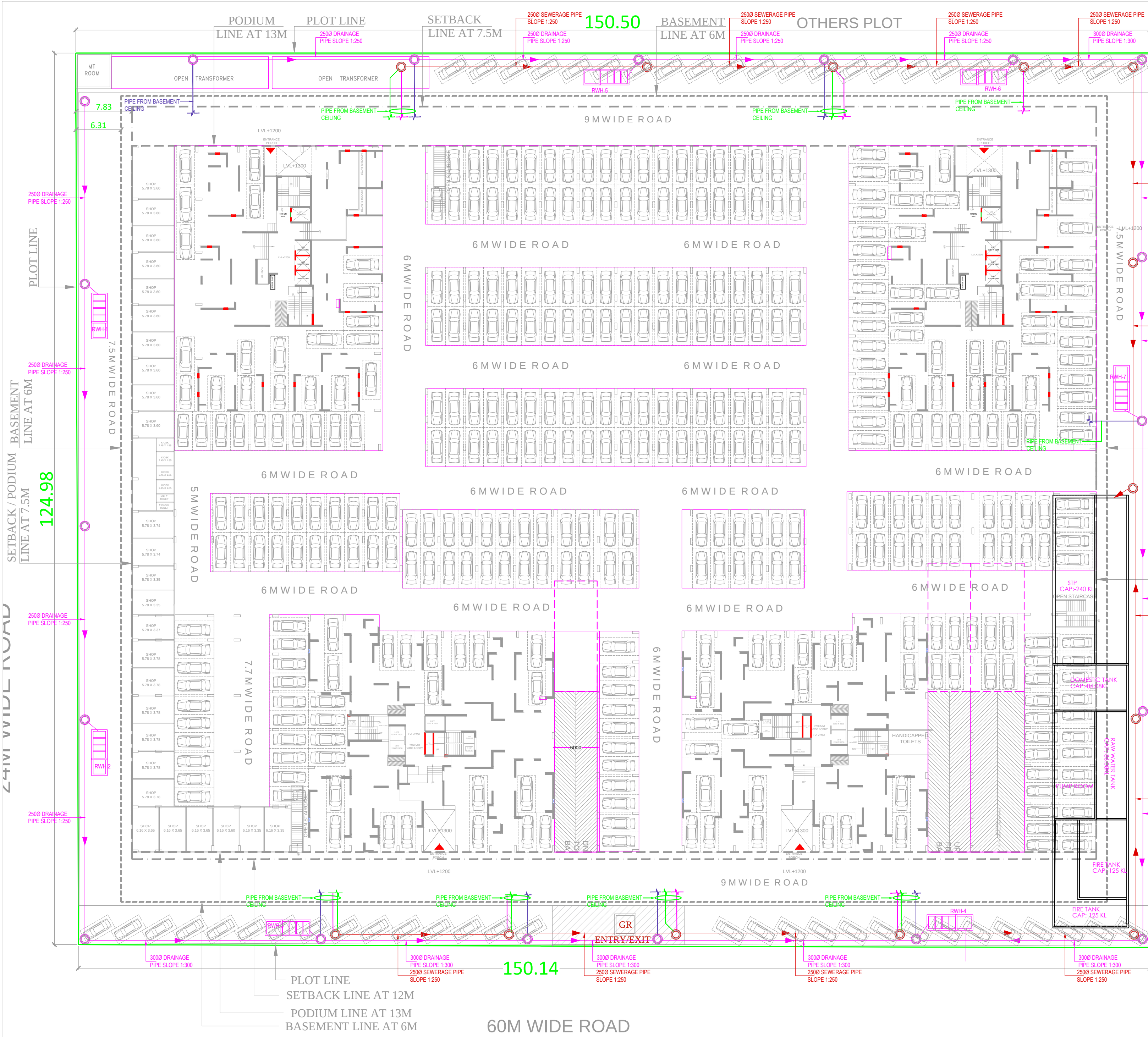
Roof-top Area = 4378.59 × 0.06 × 0.9
= 236.45 m³/hr

Green Area = 8772.26 × 0.06 × 0.15
= 78.96 m³/hr

Paved Area = 5668.54 × 0.06 × 0.85
= 285.09 m³/hr

Total Runoff Load = (236.45 + 78.96 + 285.09) m³/hr
= 570.4785 m³/hr

Considering Size of recharge pit size will be 8 m long, 8m wide and 2m deep.
So the Volume of a Single pit will be = 96 Cum
Total Recharge Will be Required = 570.48/96 = 5.94 Nos.
Say = 6 Nos.



AREA CHART DETAIL				
S. NO.	AREA DETAIL	PERMISSIBLE AREA DETAIL	PROPOSED AREA DETAIL	% AREA DETAIL
1	PLOT AREA	18819.39		
2	F.A.R. @ 3.5	65887.87		
3	GREEN BUILDING F.A.R. @ 5%+3.675	3293.37		
4	FAR AREA FOR RESIDENTIAL	68502.56	68452.98	99.9
5	FAR AREA FOR COMMERCIAL @1%	658.68	657.37	99.8
6	ANCILLARY AREA 15%	9880.18	9879.57	100.0
7	TOTAL F.A.R. @ 3.5 + 15% ANCILLARY AREA + 5% GREEN BUILDING	79041.41	78989.92	99.9
8	GROUND COVERAGE @ 35%	6586.79	6376.59	66.5
9	REQUIRED GREEN AREA 50% OF OPEN AREA	7220.40	8771.16	121.5
10	NO. OF UNITS	878	568	64.7
11	DENSITY CALCULATION LEASE DEED / B.B.L PER UNIT PERSON	195.2	2556	66.7
		2100	1358	64.7

AREA CALCULATIONS				
BUILT UP AREA CALCULATIONS				
DESCRIPTION	FLOOR PLATE AREA	NO. OF FLOORS	NO. OF TOWERS	TOTAL AREA
LOWER BASEMENT	12447.036	3	---	12447.036 SQM
UPPER BASEMENT	15653.781	3	---	15653.781 SQM
PODIUM/STILT	12724.191	1	---	12724.191 SQM
MITER ROOM	25.000	1	---	25.000 SQM
GUARD ROOM	9.000	1	---	9.000 SQM
COMMERCIAL AT GROUND	657.369	1	---	657.369 SQM
COMMUNITY FACILITY AT PODIUM	892.803	2	---	892.803 SQM
TOWER-ARD (H/MK FLOOR)				
TYPICAL FLOOR (4 UNITS)	653.869	26	2	34001.188 SQM
REFUGE FLOOR (4 UNITS)	683.536	2	2	2734.344 SQM
29TH FLOOR (2 UNITS)	381.264	1	2	762.528 SQM
TOWER-BAC (B/MK FLOOR)				
TYPICAL FLOOR (6 UNITS)	678.234	26	2	35267.648 SQM
REFUGE FLOOR (4 UNITS)	708.833	2	2	2835.332 SQM
29TH FLOOR (2 UNITS)	306.746	1	2	613.492 SQM
ARCHITECTURE ELEMENT				
ARCHITECTURE ELEMENT	24.98	---	---	24.980 SQM
MACHIN ROOM	93.59	---	---	93.590 SQM
WATER TANK	113.55	---	---	113.550 SQM
TOTAL				118856.000 SQM

Calculations for storm water load

Roof-top area = Ground Coverage = 4378.59m²
Green Area = 8772.26 m²
Total Plot Area = (Roof-top Area + Green Area)
= 18819.39 - (8772.26 + 4378.59)
= 5568.54 m²

Runoff Load

Roof-top Area = 4378.59 + 0.06 = 0.9
= 236.45 m³/hr

Green Area = 8772.26 + 0.06 + 0.15
= 78.36 m³/hr

Paved Area = 5568.54 + 0.06 + 0.85
= 255.09 m³/hr

Total Runoff Load = (236.45 + 78.36 + 255.09) m³/hr
= 570.47 m³/hr

Considering Size of recharge pit size will be 8 m long, 6m wide and 2m deep.
So the Volume of a Single pit will be
Total Recharge Will be Required = 570.47/96
= 5.94 Nos
= 6 Nos

STORM WATER LEGENDS:-		
S. NO.	DESCRIPTION	SYM.
1.	STORM WATER DRAINAGE PIPE LINE	---
2.	CIRCULAR TYPE MANHOLE SIZE (9100,11200 & 15200)	○

STORM WATER LEGENDS:-		
S. NO.	DESCRIPTION	SYM.
1.	STORM WATER DRAINAGE PIPE LINE	---
2.	CIRCULAR TYPE MANHOLE SIZE (9100,11200 & 15200)	○

SCHEDULE OF MANHOLE:-			
Type of Manhole	Size (mm)	Shape	Depth (mm)
A	900 DIA	CIRCULAR	900 TO 1650
B	1200 DIA	CIRCULAR	1651 TO 2300
C	1500 DIA	CIRCULAR	2301 TO 9000

