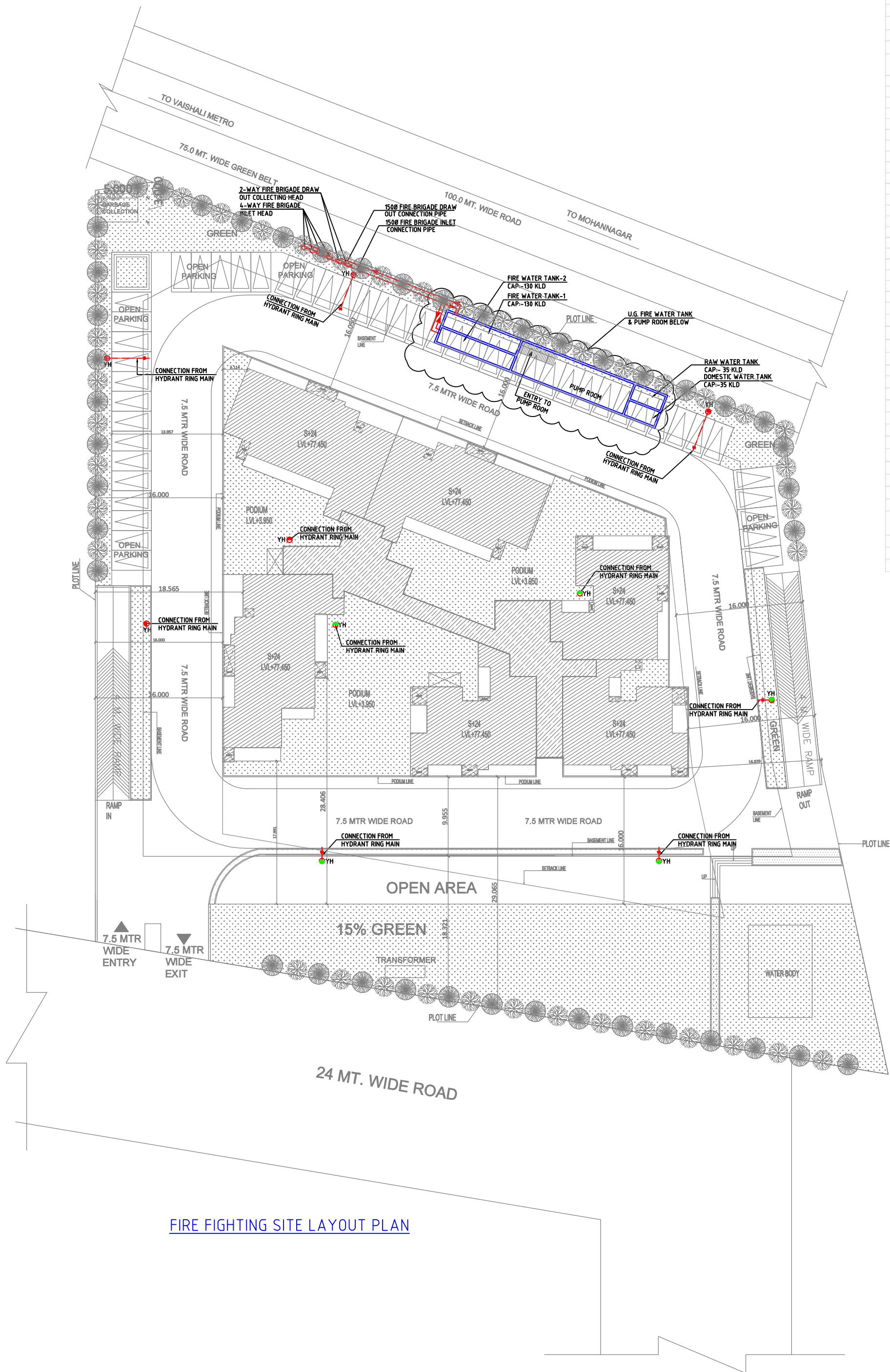




FIRE FIGHTING SITE LAYOUT PLAN

TRANSFORMER -CAPACITY									
ELECTRICAL LOAD SARENA									
	AREA OF EACH FLAT (SQMT)	AREA OF EACH FLAT (SQFT)	LOAD TAKEN (W/SQFT)	LOAD TAKEN (W/SQFT)	TOTAL LOAD OF ONE UNIT(KW)	NUMBER OF UNITS	TOTAL LOAD IN (KW)	Diversity factor	Operating Load (KW)
1	TOWER - SARENA								
	ONE UNIT								
a)	UNIT- A (-4BHK+4T+S+P+S)	258.73	2784	4.65	13	48	621	50%	311
b)	UNIT- B (-3BHK+3T+Store+Servent)	189.228	2036	4.65	9	24	227	50%	114
c)	UNIT- C (-3BHK+3T+Store+Servent)	186.893	2011	4.65	9	24	224	50%	112
d)	UNIT- D (-3BHK+3T+Store+Servent)	191.033	2056	4.65	10	24	229	50%	115
e)	UNIT- E (-4BHK+4T+S+P+S)	268.11	2885	4.65	13	24	322	50%	161
2	Lift Load								
	Common Area	5732.46	61681	0.35	16	6	96	75%	72
	Booster Pumps				21.59	1	22	75%	16
	Total Load -Tower				7.5	1	8	75%	6
3	Commercial	60	646	15	10	1	10	75%	7
4	Community center	386.56	4159	5	21	1	21	75%	16
5	EXTERNAL LIGHTING						10	75%	7.5
6	JOKEY PUMP						12.5	100%	12.5
7	WATER SUPPLY						20	75%	15
8	S T P						30	75%	22.5
9	Basement non tower area & Podium	12566	135210	0.35	47	1	47	75%	35
10	Lift well Pressurization				6	6	36	75%	27
11	Staircase Pressurization				5	2	10	75%	8
	Total						1946		1056
	Total connected load after diversity factor								
	Assuming for sizing of transformer capacity								
									1056
								a) Max demand	1056
								b) Power factor	0.85
								c) loading factor	80%
								Capacity of transformer	Say
									1600
	No of transformer of 800 KVA capacity =2 no								
	Assuming for sizing of DG SET capacity								
								Overall diversity	75%
								a) Max demand	792
								Power	792
								b Factor	0.8
								b loading factor	85%
								Capacity of DG SET	Say
								No of DG SET of 1200KVA capacity = 2X600 KVA	1200

OWNER SIGN:-

ARCHITECT SIGN:-

PROJECT:-

PROPOSED GROUP HOUSING ON KH.NO. 303/2M ,
303M/3 AT VILLAGE PEHLADGARHI , VAISHALI,
GHAZIABAD

CLIENT:-

M/S.SARENA PVT.LTD.

SCALE=

Checked -

TITLE:-

Drg. No

ELECTRICAL SITE
LAYOUT PLAN

EL-SUB-01

Architect:-

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