

PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS (HEIGHT : 18.0M) RESIDENTIAL BUILDING WITH 15 DWELLING UNITS AVAILING PREMIUM FSI AT PLOT NO.5, 6 & 7, MADURAKALI NAGAR, KARTHIKEYAPURAM 2ND CROSS STREET AND DEIVANAI NAGAR 4TH STREET, MADIPAKKAM, CHENNAI-600091 COMPRISED IN S.NO.168/20, 168/22 & 168/25 OF MADIPAKKAM VILLAGE WITH IN THE LIMITS OF GREATER CHENNAI CORPORATION. ZONE : 14, DIVISION :187.

AREA AS PER PATTA	SQ.M.
AREA AS PER DOCUMENT	585.28
AREA CONSIDERED FOR FSI	585.00
STREET ALIGNMENT/ROAD WIDENING/LINK ROAD	10.01
OSR AREA	0.00
TOTAL FSI AREA	1520.17
FSI FACTOR	2.599
COVERAGE AREA (PERCENTAGE %)	NA

VEHICLE	REQUIRED	PROVIDED
LORRY	0	0
CAR	14	14
TWO WHEELER	6	11
CYCLE	0	0

FLOORS	FSI AREA				DU	TOTAL FSI AREA
	COMM.	RESL.	IND.	INST.		
STILT PARKING FLOOR	0.00	28.87	0.00	0.00	0	28.87
FIRST FLOOR	0.00	298.26	0.00	0.00	3	298.26
SECOND FLOOR	0.00	298.26	0.00	0.00	3	298.26
THIRD FLOOR	0.00	298.26	0.00	0.00	3	298.26
FOURTH FLOOR	0.00	298.26	0.00	0.00	3	298.26
FIFTH FLOOR	0.00	298.26	0.00	0.00	3	298.26
Terrace	0.00	0.00	0.00	0.00	0	0.00
Total	0.00	1520.17	0.00	0.00	15	1520.17

BUILDING	NO OF SAME BUILDING	FSI AREA				DU	TOTAL FSI AREA
		COMM.	RESL.	IND.	INST.		
A-1 (NHRB/R...)	0.00	1520.17	0.00	0.00	15	1520.17	
Total	0.00	1520.17	0.00	0.00	15	1520.17	

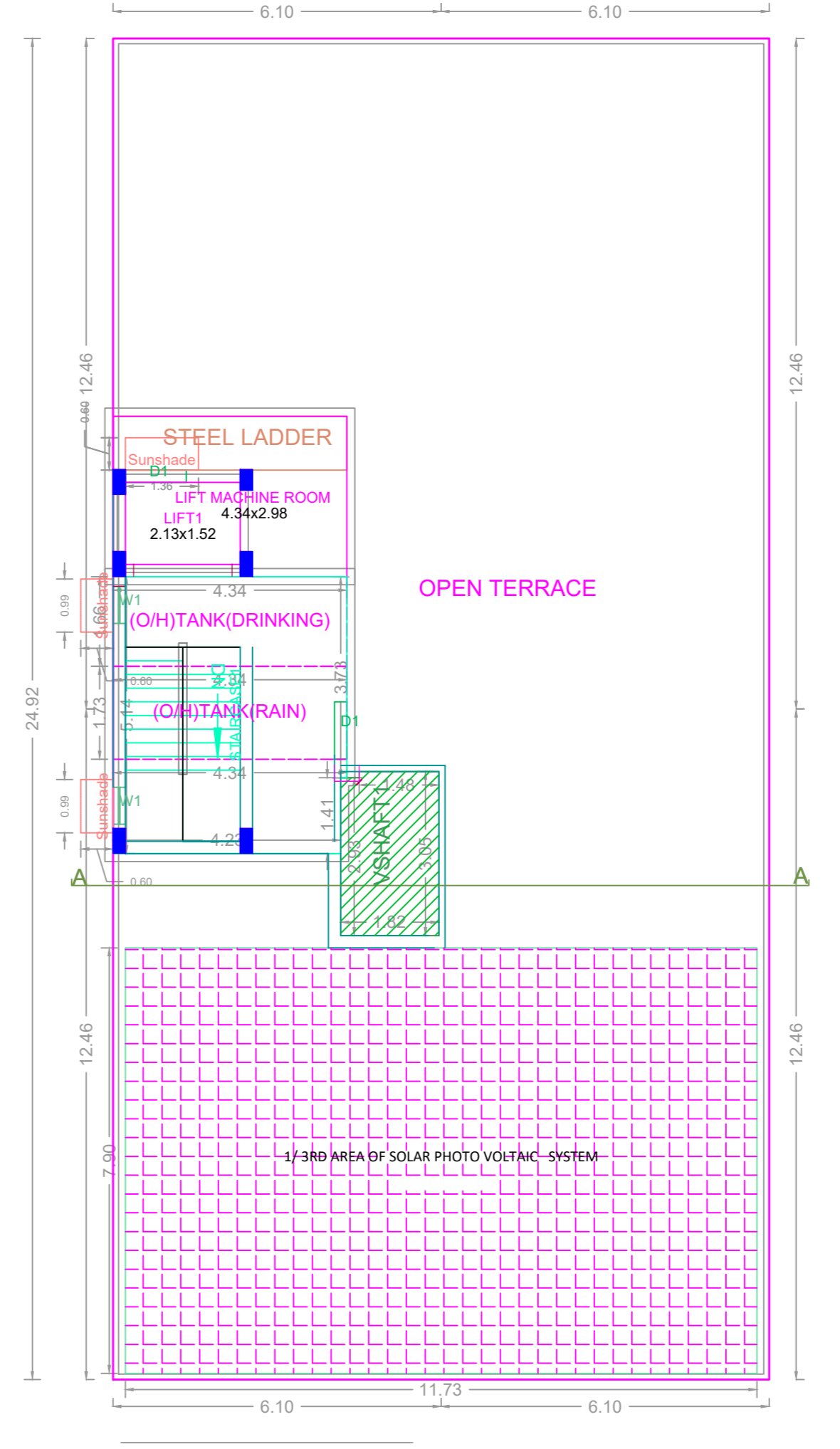
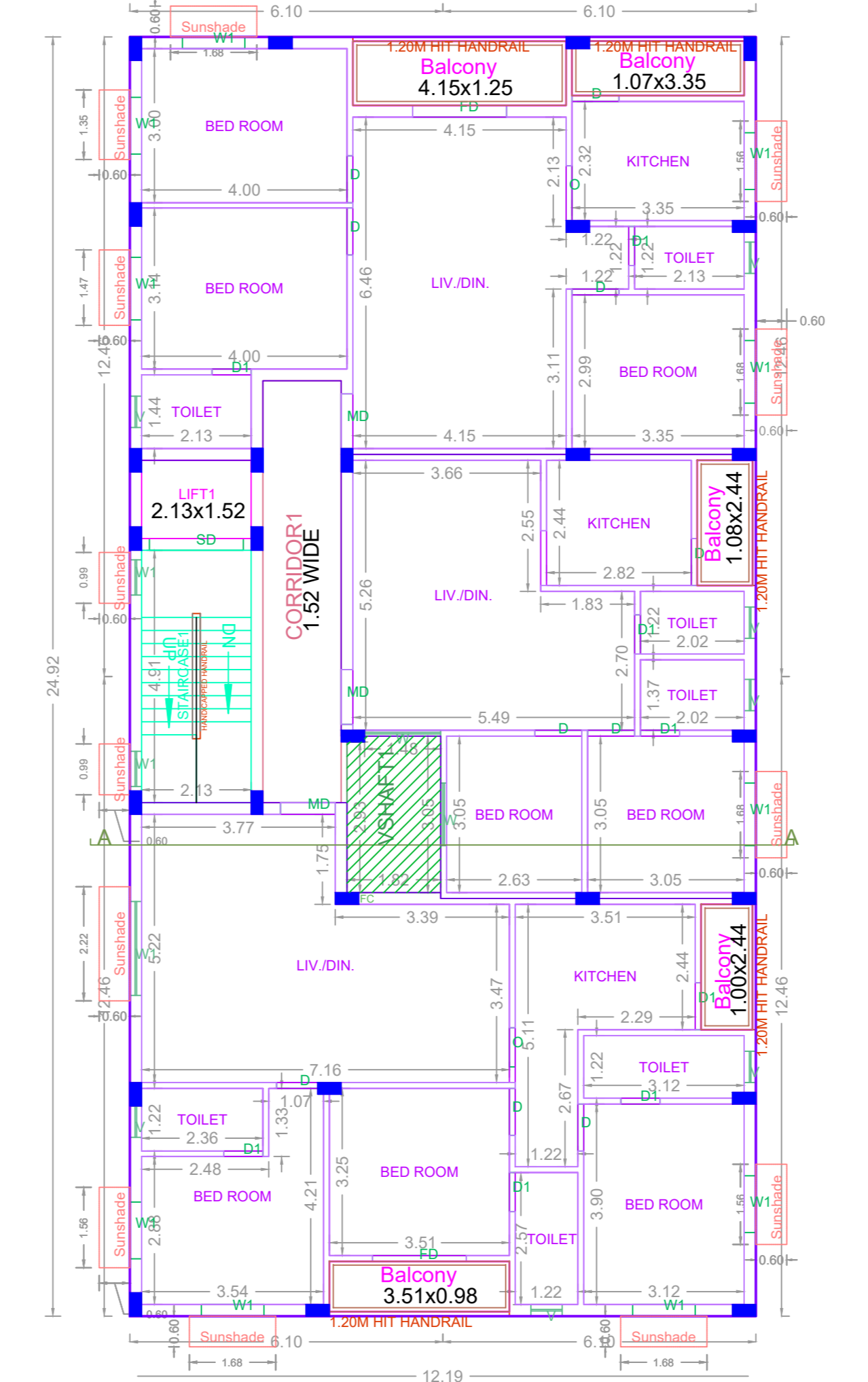
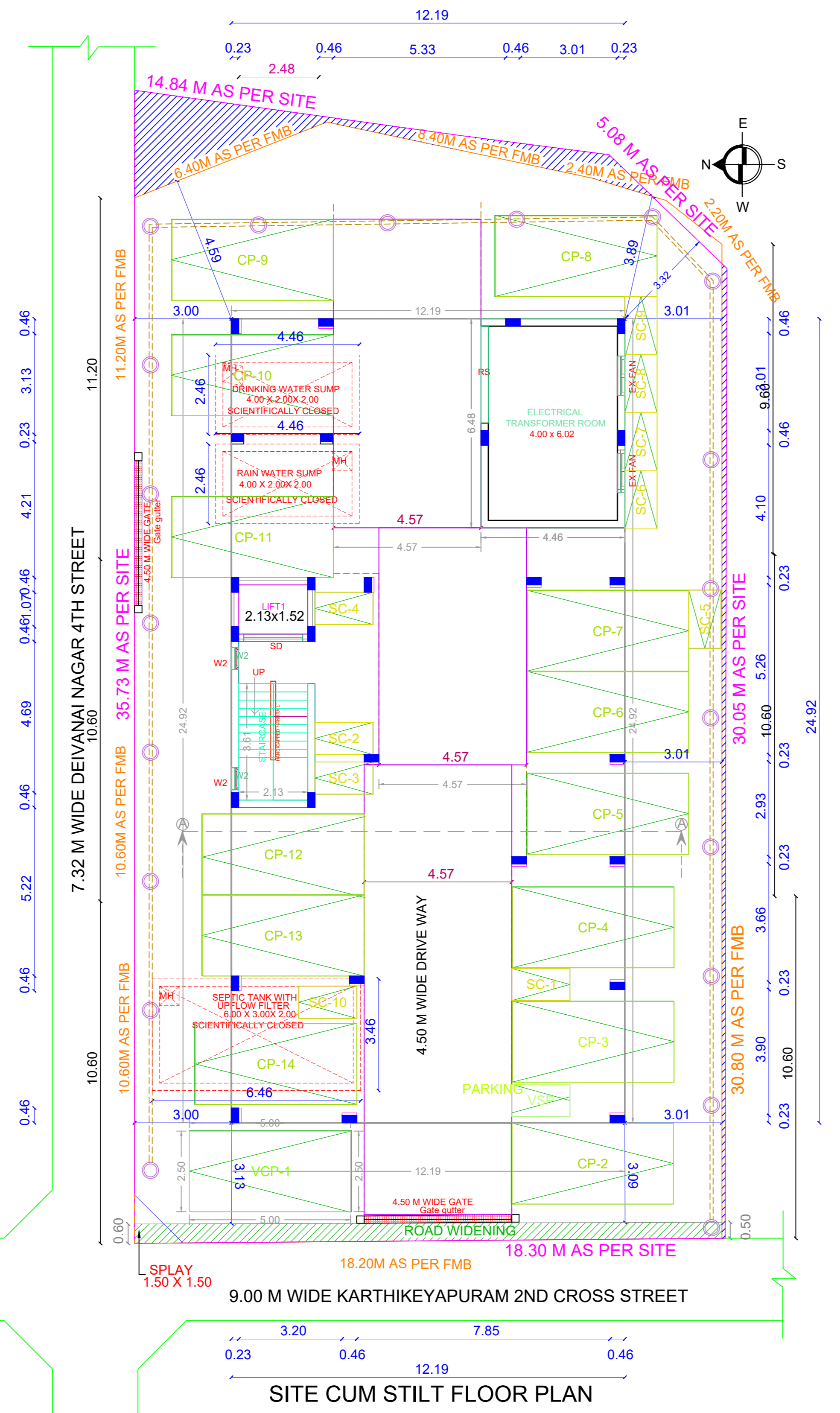
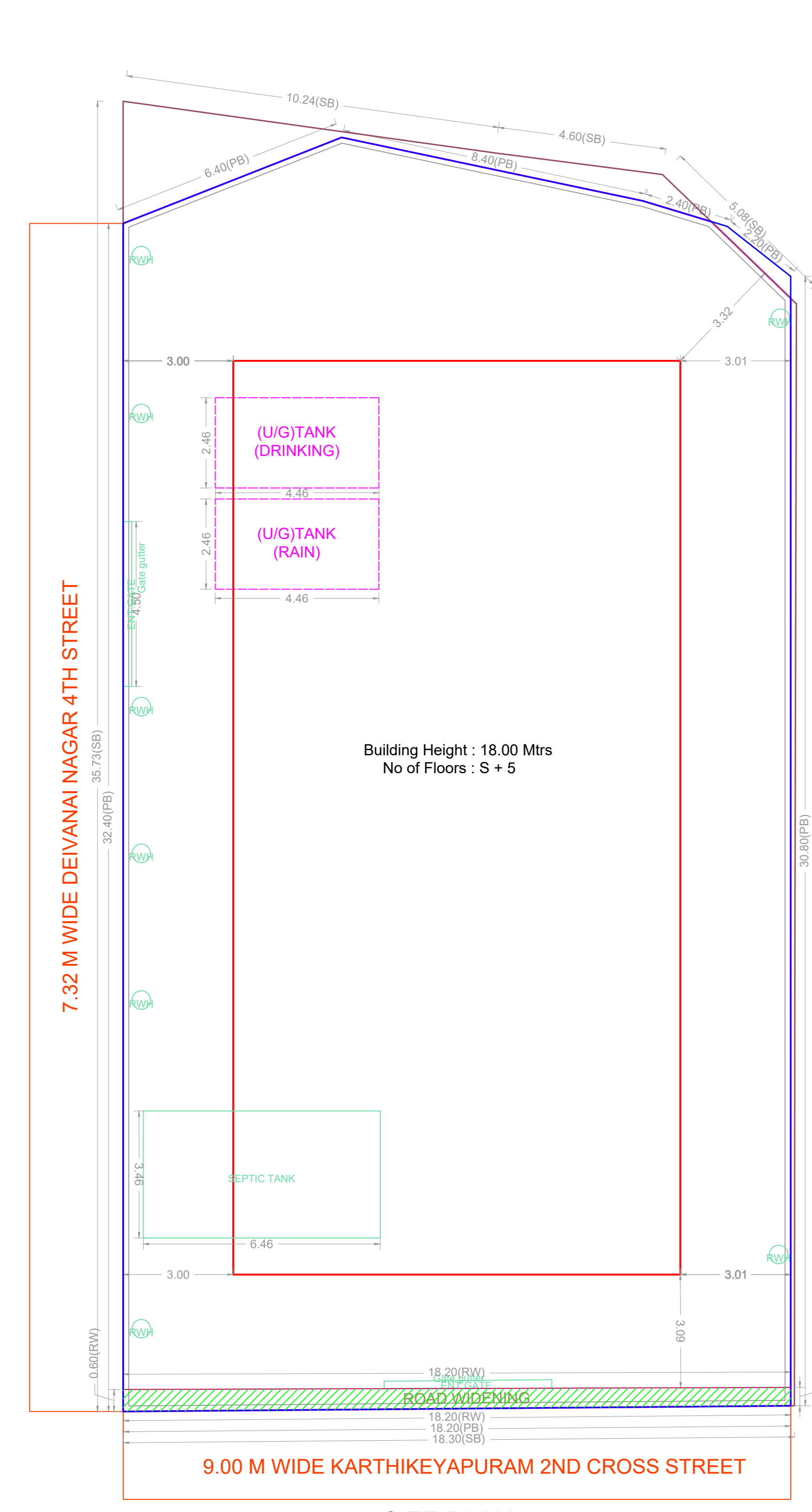
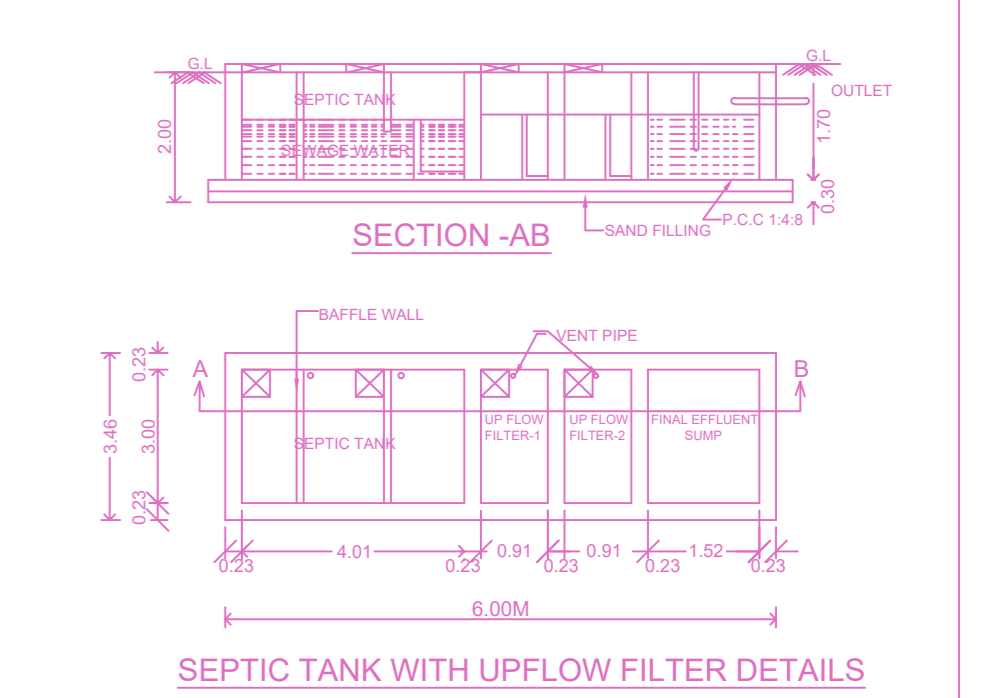
DESIGN OF SEPTIC TANK WITH UPFLOW FILTER FOR 15 DWELLINGS

NO. OF FLATS OR DWELLINGS > 15  
 ASSUMING 5 PERSONS FOR FLATS > 15X3=75  
 NO. OF PERSONS > 75  
 NO. OF USERS ASSUMING > 75X2=150 NITS.  
 2 FIXTURES PER FLAT > 150 X2=300 LPM.  
 PER HOUR DISCHARGE > 150 X3=450 LPM.

SEPTIC TANK  
 SURFACE AREA NEEDED > 900X60/10 = 54.0 SAY 63M  
 VOLUME OF SEDIMENTATION:  
 ASSUMING 0.30M DEPTH  
 FOR DIGESTION 83X3.3M = 24.90M<sup>3</sup>  
 FOR SLUDGE STORAGE 75X3.3M = 2.40M<sup>3</sup>  
 FREE BOARD FOR SLUDGE 0.000X3.3X75 = 0.87M<sup>3</sup>  
 FREE BOARD FOR SLUDGE 53X3.3M = 1.50M<sup>3</sup>

DEPTH = VOLUME / AREA = 1.40M  
 VOLUME = 5

SIZE OF SEPTIC TANK 6.00X3.00X2.00  
 UPFLOW FILTER  
 LIQUID DEPTH OF SEPTIC TANK = 1.70M  
 UPFLOW FILTER DEPTH  
 ALLOWING 0.30M FREE BOARD 1.4 - 0.3 = 1.10M  
 AREA NEEDED = 1.10 / 1.0M = 1.10M<sup>2</sup>  
 SIZE OF UPFLOW FILTER 1.50X1.50  
 UPFLOW NO-1 = 0.91X1.50X1.36M  
 UPFLOW NO-2 = 0.91X1.50X1.36M



APPROVAL CONDITION

SCALE 1:100

CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY  
APPROVED

SUBJECT TO THE CONDITIONS MENTIONED IN THIS OFFICE