

PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT+5 FLOORS (HEIGHT 18.30M) RESIDENTIAL BUILDING WITH 15 DWELLING UNITS AFFORDABLE HOUSING AT DOOR NO:13, PLOT NO:21 & 21A KATTABOMMAN STREET, RADHA NAGAR, CHROMEPET, CHENNAI COMPRISED IN OLD S.NO: 450/1 & 450/2, AS PER PATTAT S.NO:49 & 50, BLOCK NO: 15, WARD NO:D OF ZAMIN PALLAVARAM VILLAGE WITHIN THE LIMIT OF PALLAVARAM MUNICIPALITY.

A) AREA STATEMENT	SQ.M.
AREA AS PER PATTAT	652.00
AREA AS PER DOCUMENT	662.48
AREA CONSIDERED FOR FSI	652.00
STREET ALIGNMENT/ ROAD WIDENING/LINK ROAD	0.00
OSR AREA	0.00
TOTAL FSI AREA	1666.49
FSI FACTOR	2.556
COVERAGE AREA (PERCENTAGE %)	NA

A) PARKING STATEMENT		
VEHICLE	REQUIRED	PROVIDED
LORRY	0	0
CAR	17	17
TWO WHEELER	0	10
CYCLE	0	0

FLOOR WISE FSI STATEMENT: NHRB (RES)

FLOORS	FSI AREA				DU	TOTAL FSI AREA
	COMM.	RESI.	IND.	INST.		
STILT PARKING FLOOR	0.00	42.34	0.00	0.00	0	42.34
FIRST FLOOR	0.00	324.83	0.00	0.00	3	324.83
SECOND FLOOR	0.00	324.83	0.00	0.00	3	324.83
THIRD FLOOR	0.00	324.83	0.00	0.00	3	324.83
FOURTH FLOOR	0.00	324.83	0.00	0.00	3	324.83
FIFTH FLOOR	0.00	324.83	0.00	0.00	3	324.83
Terrace	0.00	0.00	0.00	0.00	0	0.00
Total	0.00	1666.49	0.00	0.00	15	1666.49

BUILDING WISE FSI STATEMENT

BUILDING	NO OF SAME BUILDING	FSI AREA				DU	TOTAL FSI AREA
		COMM.	RESI.	IND.	INST.		
NHRB-1 (RES)		0.00	1666.49	0.00	0.00	15	1666.49
Total		0.00	1666.49	0.00	0.00	15	1666.49

DESIGN OF SEPTIC TANK WITH UPFLOW FILTER FOR 15 DWELLINGS

NO. OF FLATS OR DWELLINGS - 15
 ASSUMING 5 PERSONS FOR FLATS - 15X5=75
 NO. OF PERSONS - 75
 NO. OF USERS ASSUMING - 2 FIXTURES PER FLAT
 2 FIXTURES PER FLAT - 75X2=150 NITS.
 PER HOUR DISCHARGE - 150 X 6 = 900 LPM.

SEPTIC TANK
 SURFACE AREA NEEDED - 9000 X 0.92 / 10 = 82.8 SAY 83M²

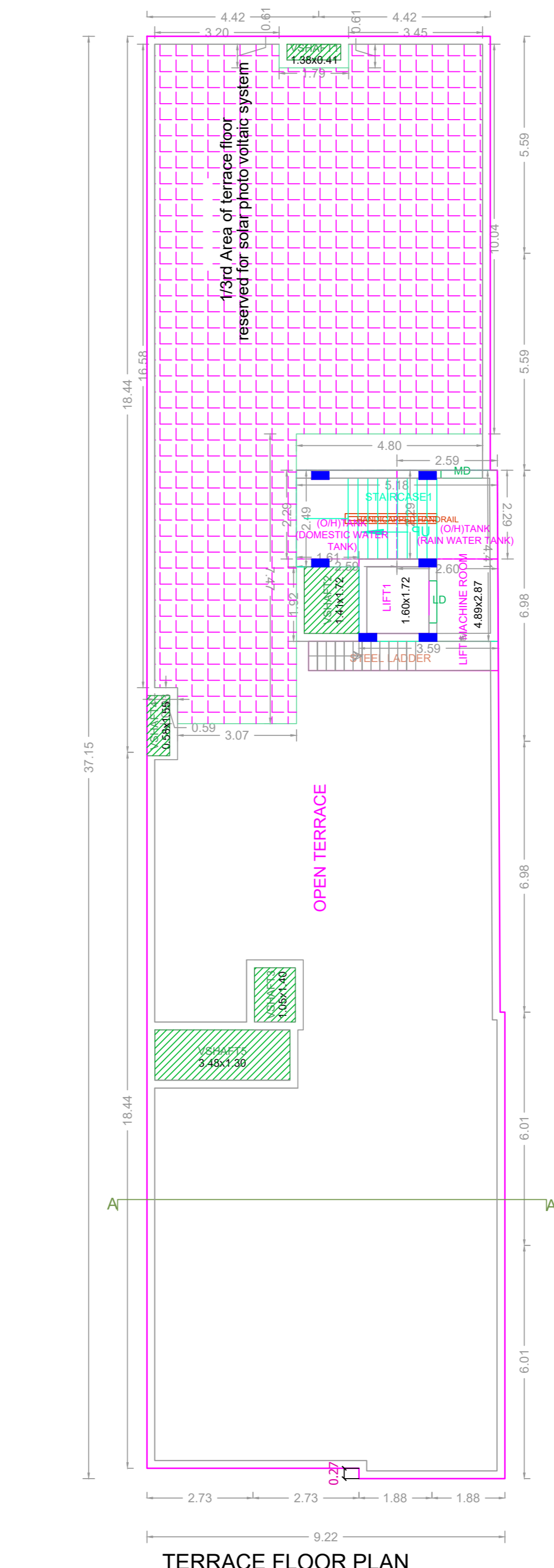
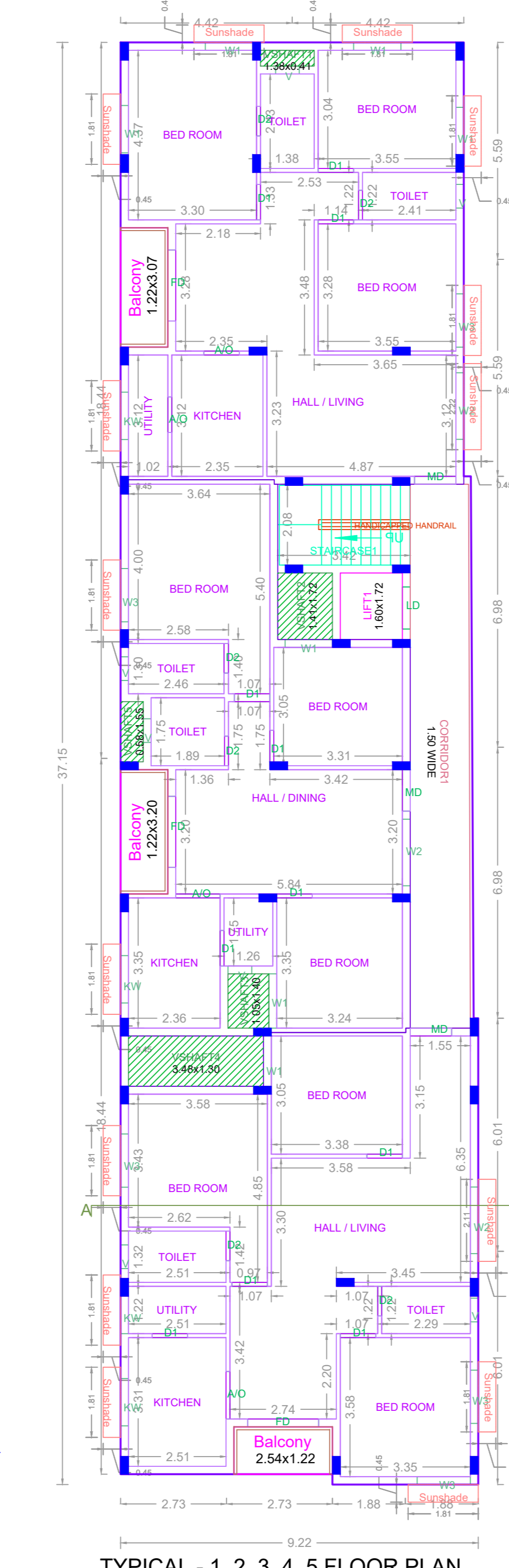
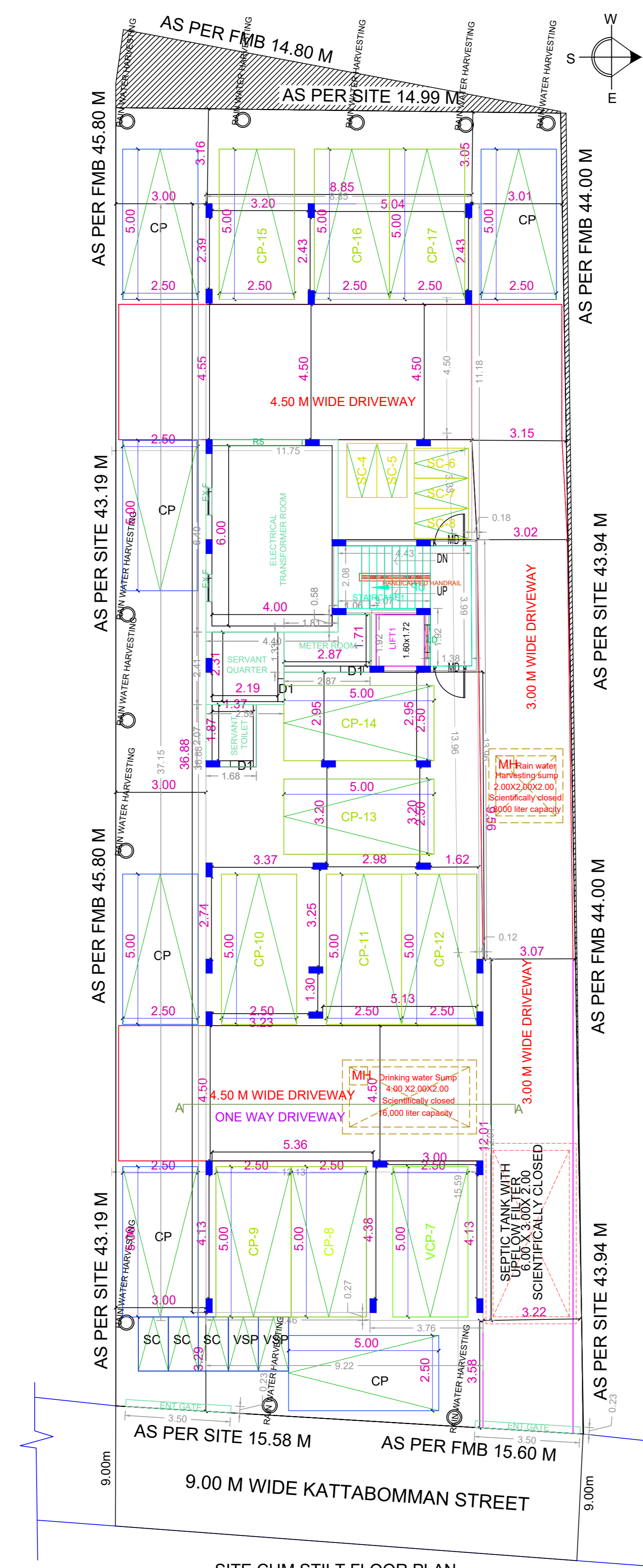
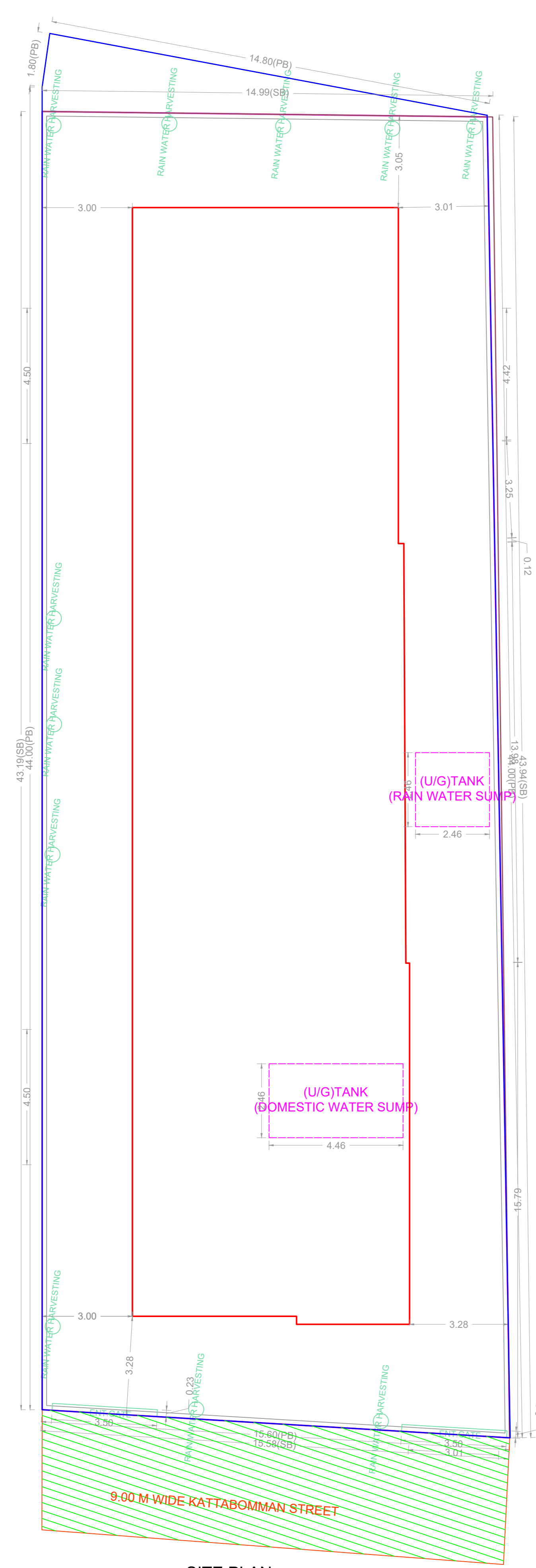
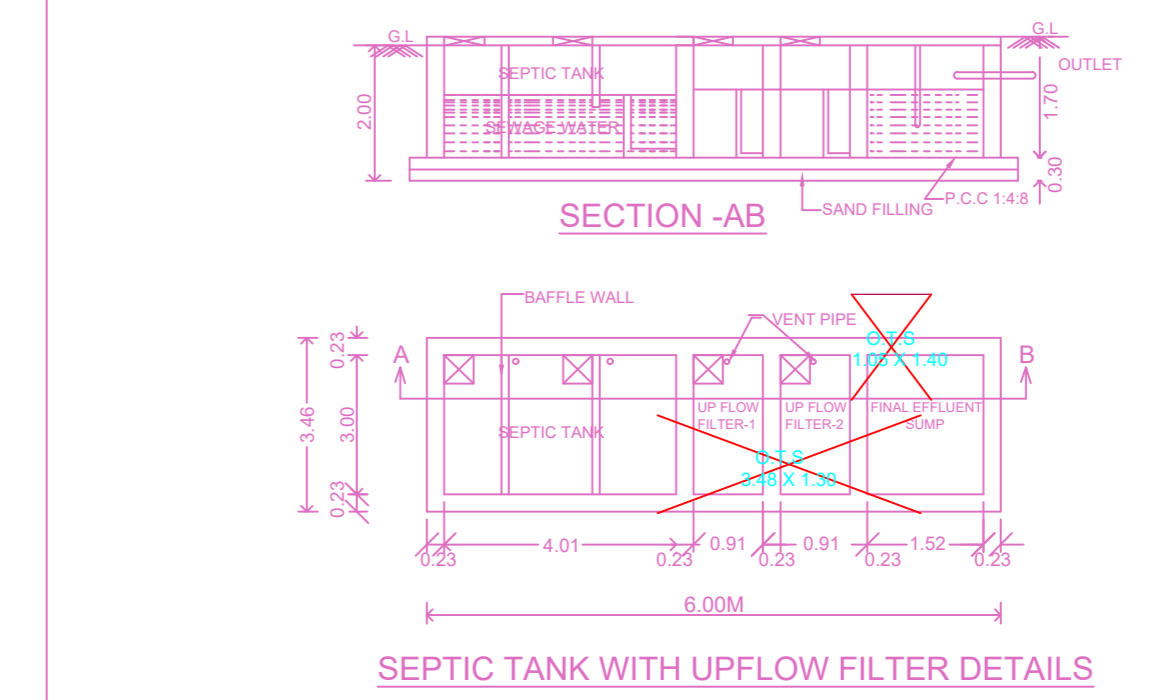
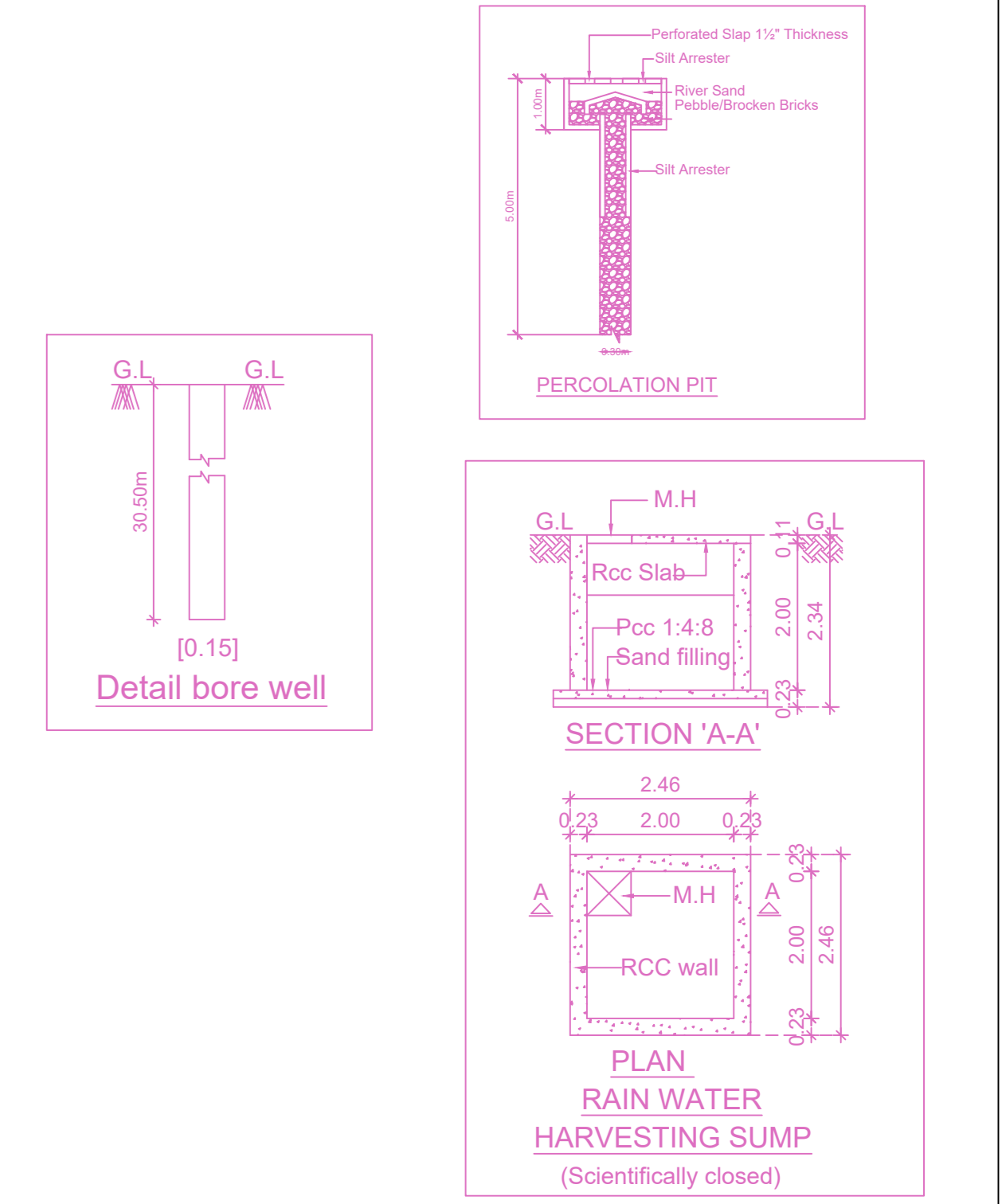
VOLUME OF SEDIMENTATION:
 ASSUMING 0.30M DEPTH FOR DIGESTION: 83X0.3M² = 24.90M³
 FOR SLUDGE STORAGE: 0.002X365X75 = 5.47M³
 FREE BOARD FOR SLUDGE: 5X0.3M² = 1.50M³

DEPTH = $\frac{VOLUME}{AREA} = \frac{7}{5} = 1.40M$
 VOLUME = 5

SIZE OF SEPTIC TANK 0.00X3.00X2.00
 UPFLOW FILTER
 LIQUID DEPTH OF SEPTIC TANK = 1.70M

UPFLOW FILTER DEPTH
 ALLOWING 0.52M FREE BOARD 1.4 - 0.3 = 1.10M
 AREA NEEDED = $\frac{1.10}{1.10} = 1.00M^2$

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

For (Deputy Planner / Chief Planner / Member-Secretary)
 High Rise Building / Non High Rise Building
 This Approval is valid only after building Permit is issued by the concerned Local Body.

