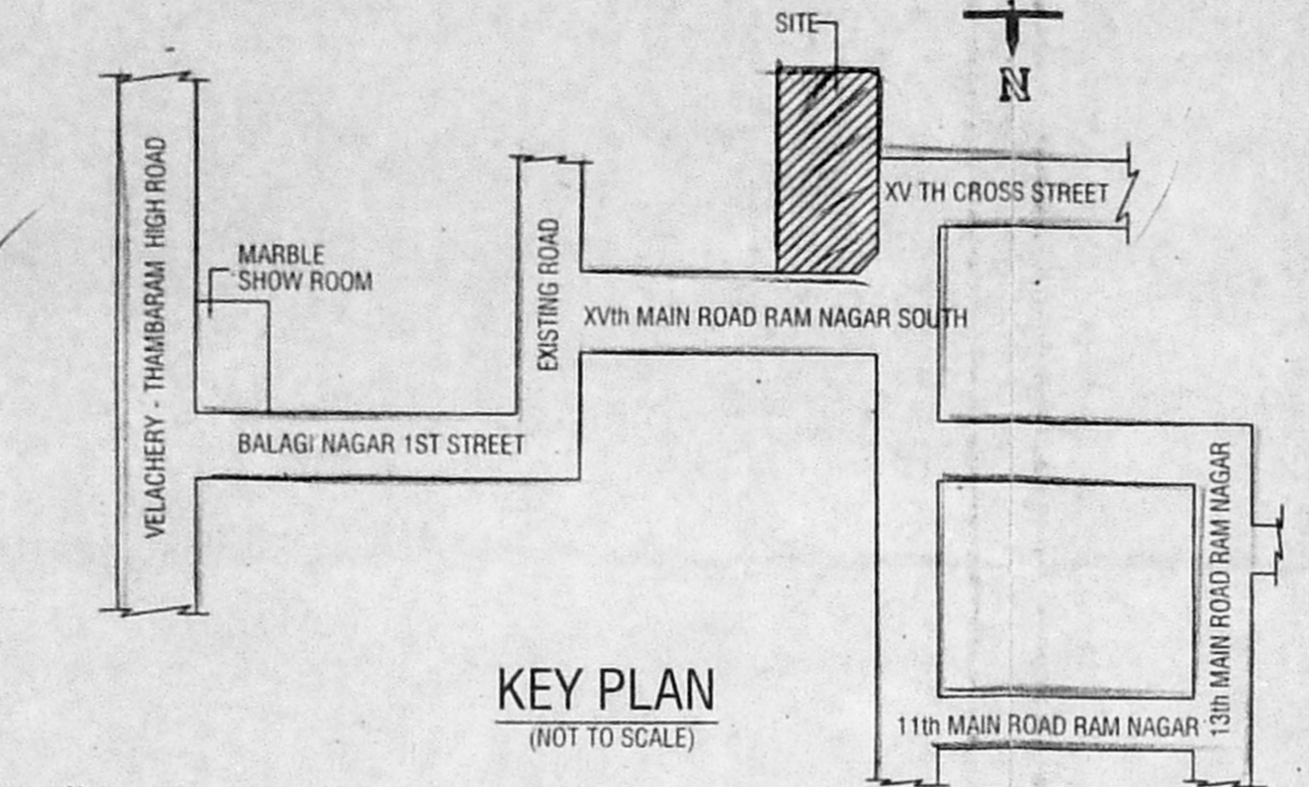
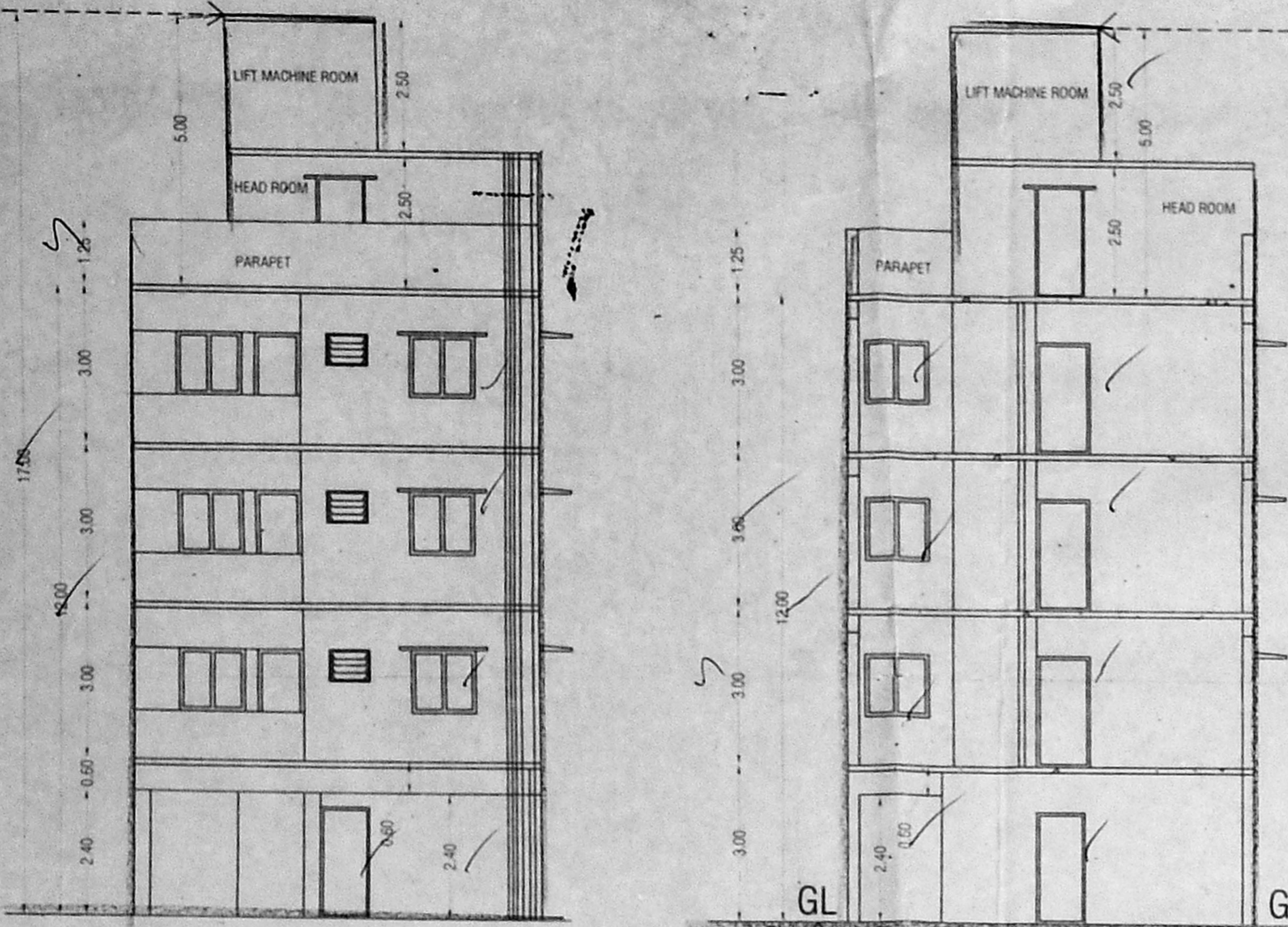


REF :- PREVIOUS SUB DIVISION PLAN SANCTIONED
VIDE SD/WDCN14/00599/2014, DT - 27/01/2015

PLAN SHOWING THE CONSTRUCTION OF RESIDENTIAL BUILDING AT PLOT NO: 1225/B, 15th MAIN ROAD RAM NAGAR SOUTH, MADIPAKKAM, CHENNAI-91, COMPRISED IN AS PER PATTA SURVEY .NO-133/50A2, 133/51A2, OF MADIPAKKAM VILLAGE. GREATER CHENNAI CORPORATION. DIVISION- 188, ZONE -14, SCALE - 1:100.

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PREMIUM FSI

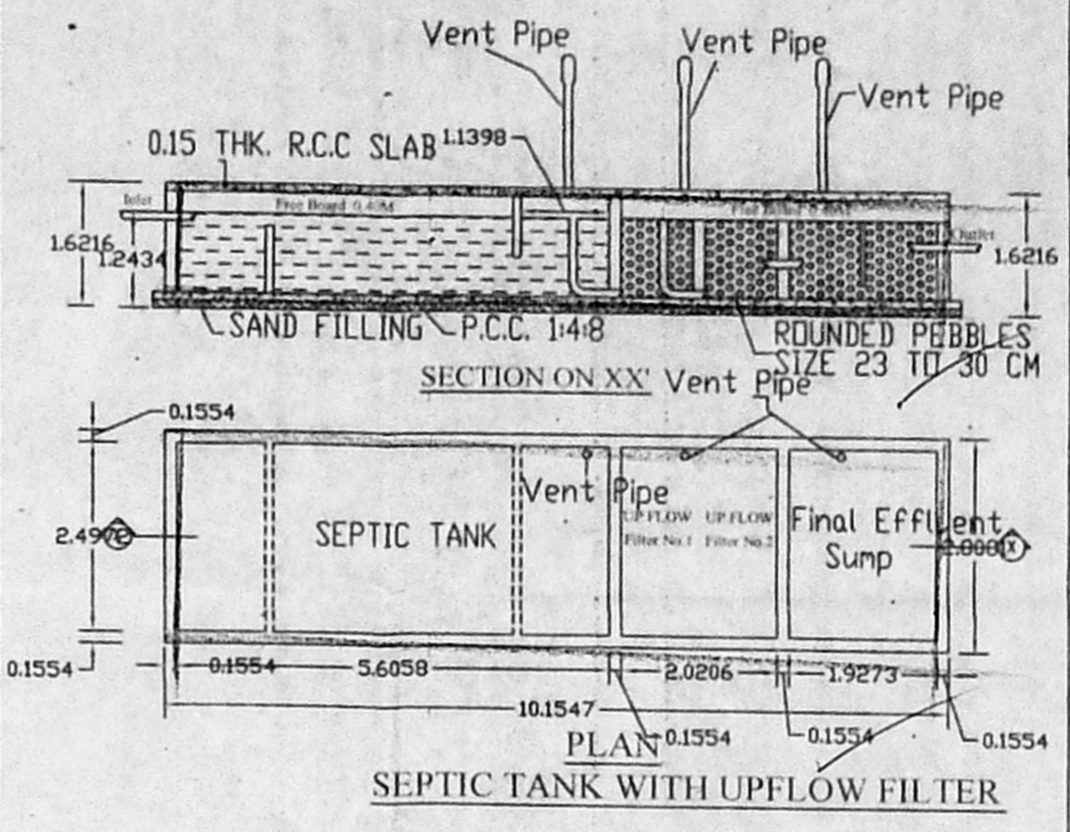


DESIGN OF SEPTIC TANK WITH TWO UP FLOW FILTER

NO OF DWELLING	6 NOS
NO OF USERS	6 X 5 = 30
RATE OF WATER SUPPLY IS	100 LPH / DAY
THEN FLOW OF SEWAGE PER DAY	30 X 100 = 3000 LTS
DEFENTION PERIOD IS	18 HRS
TANK CAPACITY	3000 X 18/24 = 2250 LTS
THE TANK IS TO BE CLEARED EVERY YEAR SO SLUDGE STORAGE CAPACITY AT THE RATE OF 15 LTS. 60 X 15 = 900 LTS.	
FOR PERSON PER YEAR	4500 + 900 = 5400 LTS.
WITH PROVISION FOR FUTURE EXPANSION LET THE TOTAL TANK CAPACITY BE 3000 LTS. (OR) 1.00 Cubic FT	
DEPTH OF LIQUID AS	56.50 cubic FT
PLAN AREA OF THE TANK	212.56 SQ. FT
THE RATIO OF LENGTH TO WIDTH OF TANK BE 3	
LENGTH X BREATH X 3	175 x 40
BREATH OF TANK	26.9 x 40
LENGTH OF TANK	46'
FREE BOARD OF THE TANK	1'3"
TOTAL DEPTH OF THE TANK	46' + 1'3" = 59'
PROVIDE SEPTIC TANK OF 9'0" X 4'0" X 5'0" SIZE	

UPFLOW FILTERS

DISCHARGE FOR 100 PERSONS	10,000 LTS
VOLUME	100 X 1'0" = 150 cubic FT
DEPTH	37.5' - 1' - 27.5'
PLAN AREA REQUIRED	149' X 27.5' = 5.61 ac
SIZE OF FINAL EFFLUENT SUMP	9'10" X 6'1.5" X 5'9"



SPECIFICATION :-

- FOUNDATION - RCC COLUMN FOOTINGS
- BRICK WORK - C.M 1:6 FOR SUPER STRUCTURE
- PLASTERING - C.M 1:5 FOR WALLS & 1:3 FOR CEILING
- FLOORING - VETRIFIED TILES
- CEMENT PAINT - TWO COATS FOR WALLS & ONE EXTRA COAT FOR CEILING
- R.C.C - M25 GRADE FOR ALL CONCRETE WORKS
- WOOD WORK - ALL WOOD WORKS IN BEST QUALITY TIMBER
- WEATHERING COURSE - AS PER NATIONAL BUILDING CODE

SCHEDULE OF JOINERIES :-

MD	DOOR	3'-3" x 7'-0"	1.00 x 2.13 (m)
D1	DOOR	3'-0" x 7'-0"	0.91 x 2.13 (m)
D2	DOOR	2'-6" x 7'-0"	0.76 x 2.13 (m)
W	WINDOW	5'-0" x 4'-6"	1.52 x 1.20 (m)
W1	WINDOW	4'-6" x 4'-6"	1.37 x 1.20 (m)
V	VENTILATOR	3'-0" x 2'-0"	0.91 x 0.61 (m)

AREA STATEMENT :-

PLOT AREA - AS PER PATTA	220.00
AS PER DOCUMENT	222.97
FIRST FLOOR AREA	155.83
SECOND FLOOR AREA	155.83
THIRD FLOOR AREA	155.83
TOTAL FLOOR AREA	467.49
F.S.I	2.12

COLOUR INDEX :-

PROPOSED	ROAD	BOUNDARY
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OWNER

LICENSED SURVEYOR
N. GOPINATHAN
Certifying Civil Engineer
Licensed Surveyor / Class-II
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