

SCHEDULE OF MATERIALS

S.No	WIDTH	HEIGHT	DESCRIPTION
RS	2.05	2.13	ROLLING CHAIR
D	1.91	2.43	C.W PANEL DOOR 6T 600T
D1	0.91	2.43	C.W PANEL DOOR
D2	0.91	2.43	C.W PANEL DOOR
FD	2.44	2.13	T.W FRENCH DOOR
W	1.48	1.20	C.W GLAZED WINDOW
W1	1.48	1.20	C.W GLAZED WINDOW
W2	0.91	1.20	C.W GLAZED WINDOW
V	0.91	1.20	C.W GLAZED VENTILATOR

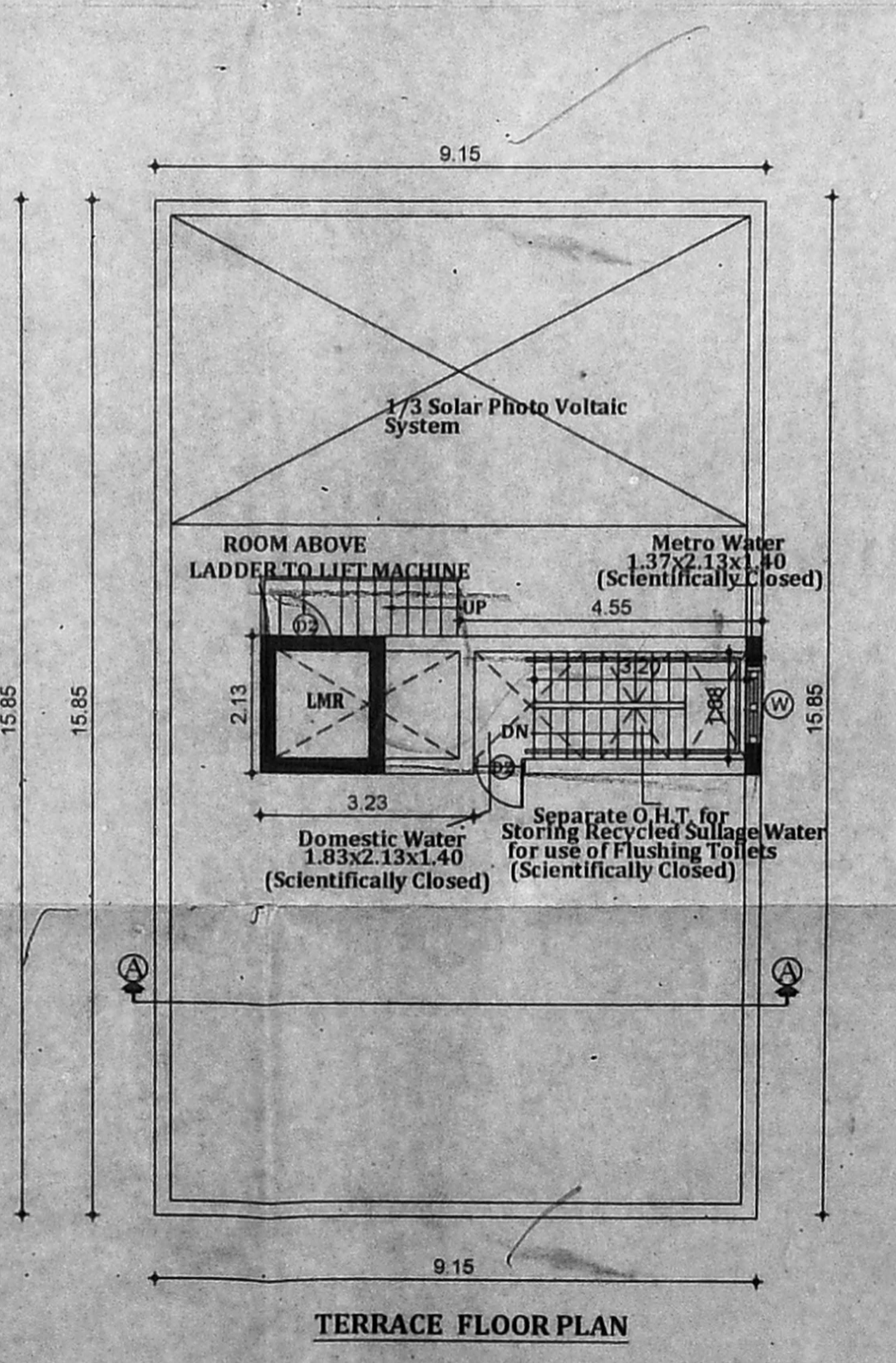
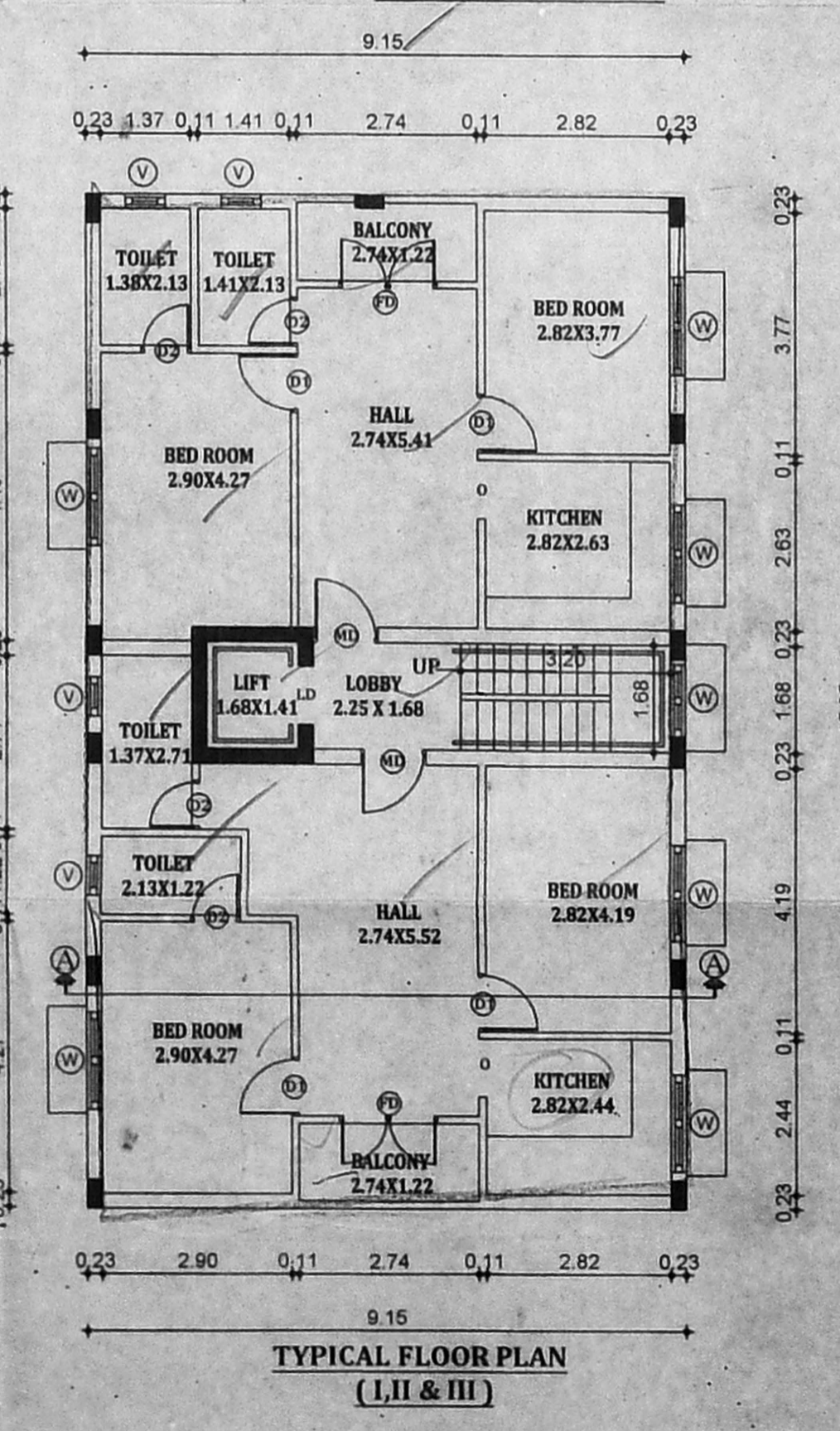
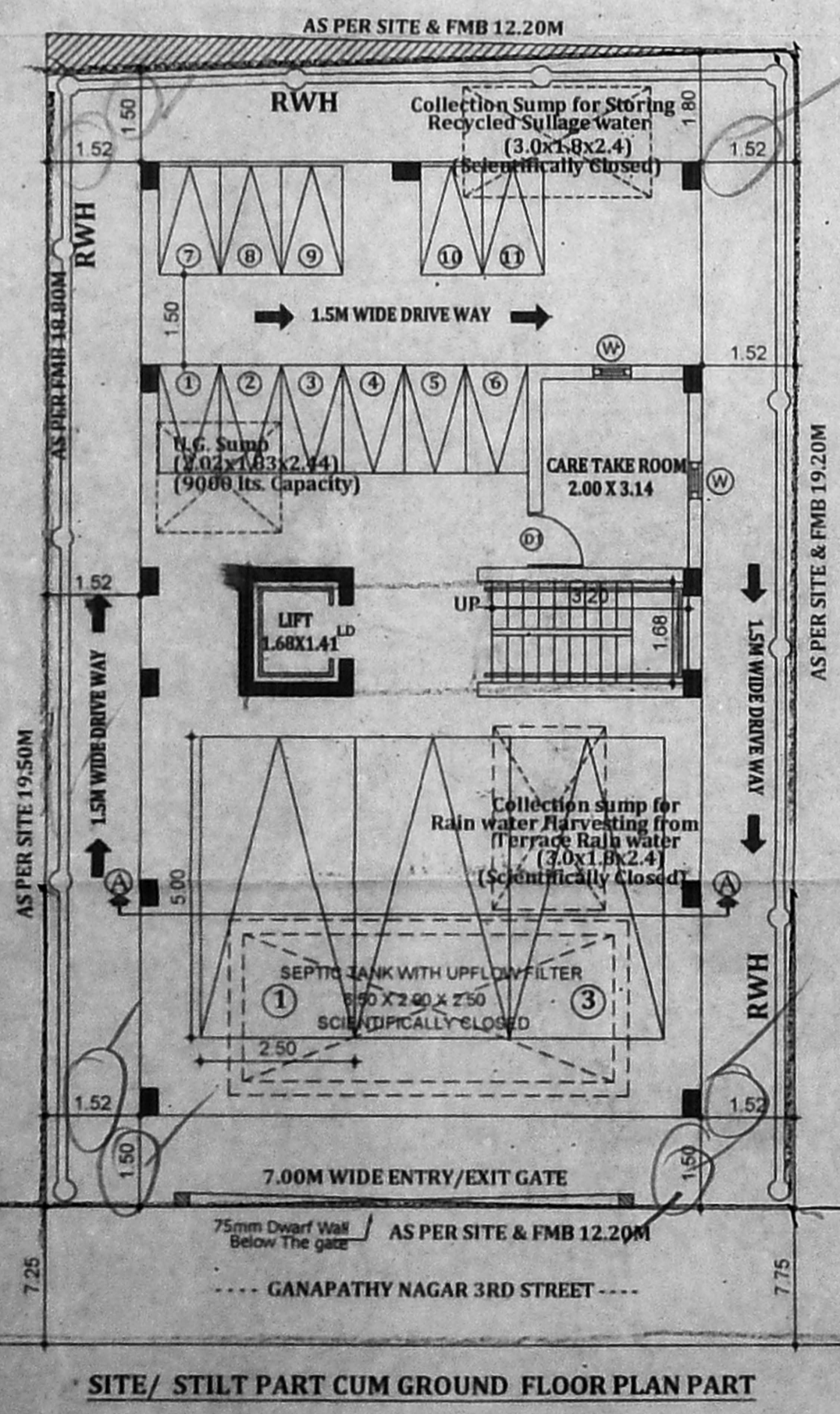
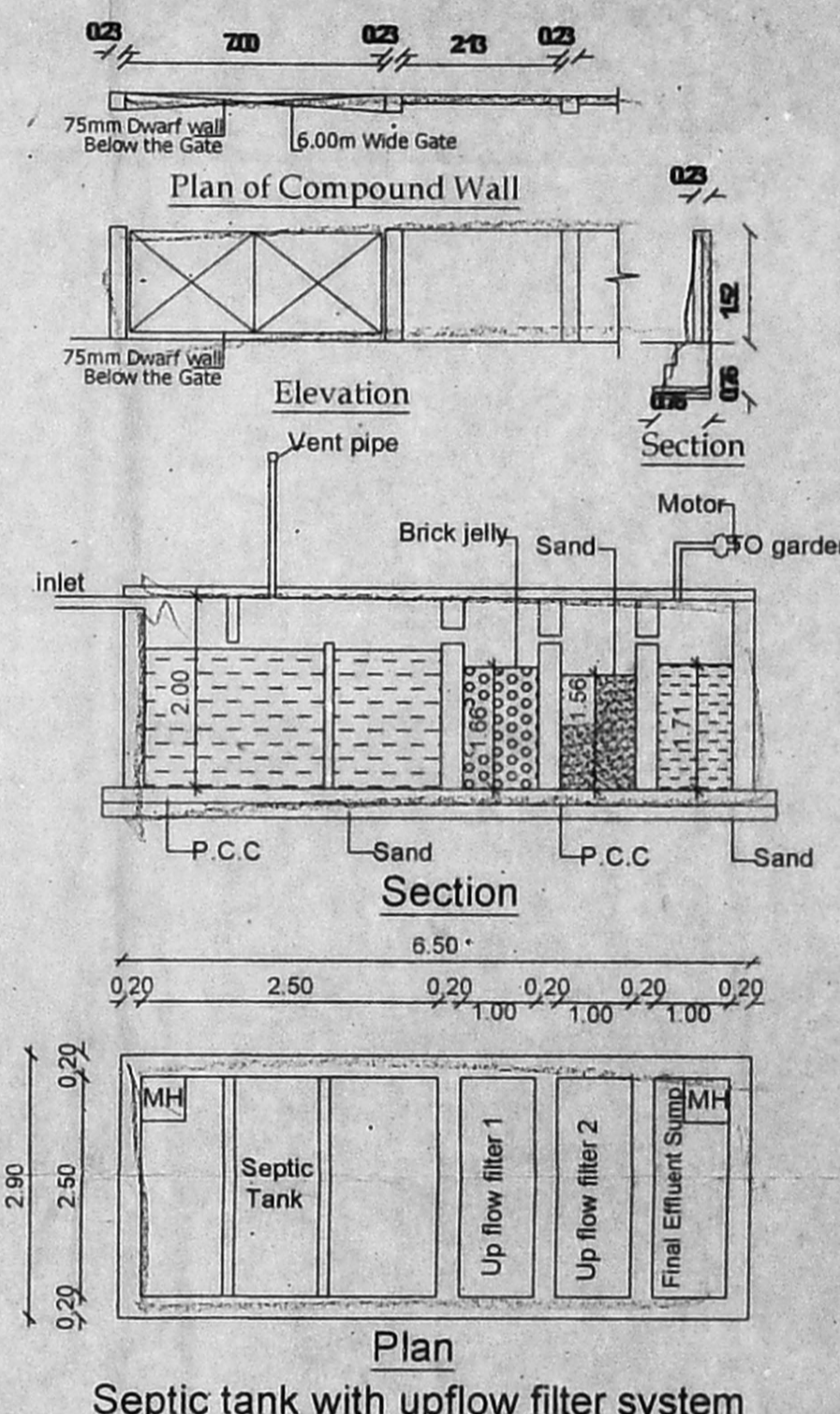
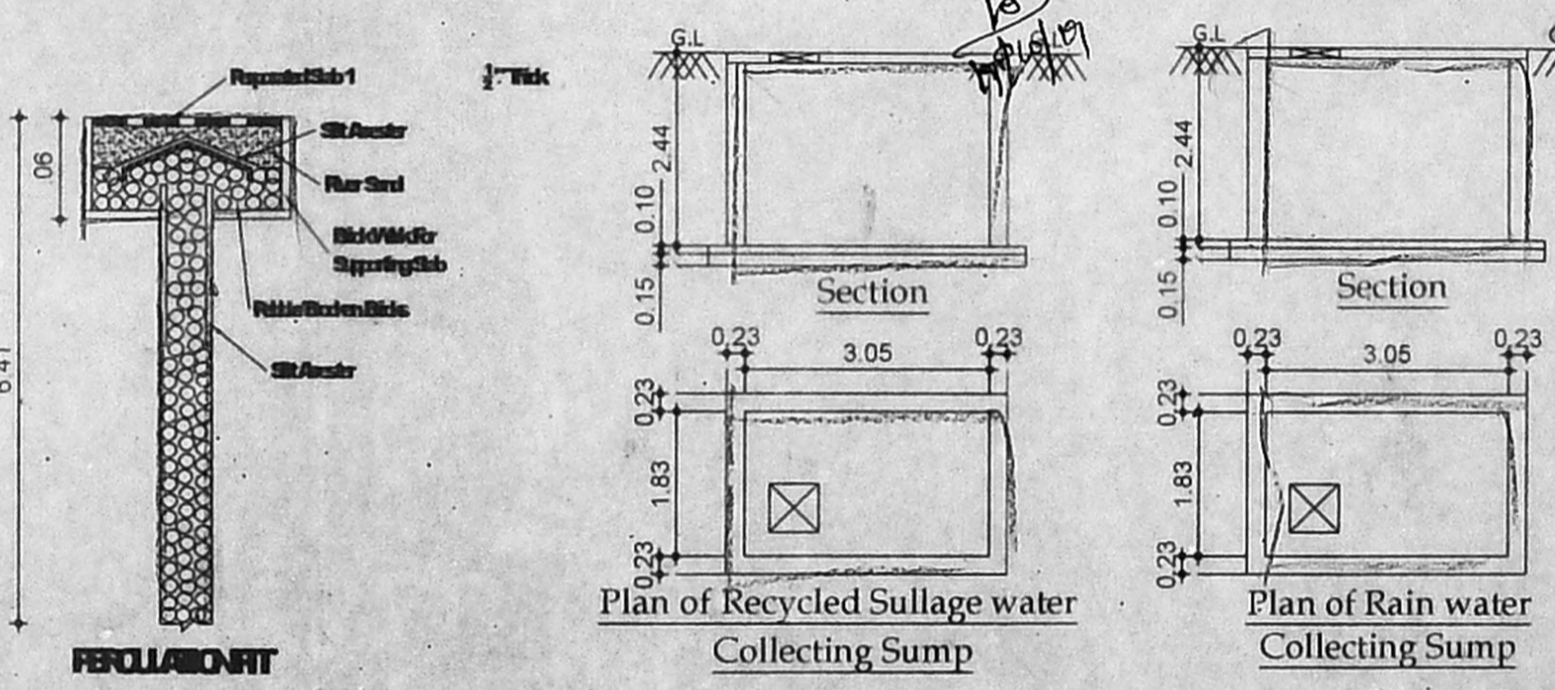
- SPECIFICATION
- P.C.C IN M25 GRADE
  - R.C.C IN M25 GRADE
  - 230MM BRICK WORK IN C.M 1:5
  - 115MM BRICK WORK IN C.M 1:5
  - PLASTERING THE CEILING IN C.M 1:3
  - PLASTERING THE WALL IN C.M 1:4
  - WEATHERING COURSE IN BRICK JELLY LIME CONCRETE WITH A COURSE OF FLAT TILES.
  - THE O.H.T IS SCIENTIFICALLY CLOSED
  - THE U.G SUMP IS SCIENTIFICALLY CLOSED
  - ALL W.C'S IN GROUND FLOOR RAISED BY 0.91M FROM G.L

AREA STATEMENT SQ.M

Plot Extent	SQ.M
AS ON DOC	232.26
AS PER PATTA	250.00

Floor	PARKING	FSI Area
STILT FLOOR :	144.96	-----
FIRST FLOOR :	-----	145.03
SECOND FLOOR :	-----	145.03
THIRD FLOOR :	-----	145.03
<b>TOTAL</b>		<b>435.09</b>

F.S.I = 435.09 / 232.26 = 1.873



Septic Tank With Up Flow Filter Calculation For Residential Apartment

No. of Flats	6 Nos.
No. of users	30 Nos.
Total No. of users	30 Nos.
assume a standard users	20 Nos.
Total no. of fixture units assume a peaking factor of 6 lpm. fixture unit	20 x 6 Liters = 120 liter per minutes
<b>SEPTIC TANK</b>	
Surface area required for the septic tank	120 x 0.92 = 11.04 sq.m Say 12 sq.m
Volume of free board	12.00 x 0.30m = 3.6 cu.mt
Volume of sedimentation	12.00 x 0.30m = 3.6 cu.mt
Volume of digestion	45 x 0.033 = 1.49 cu.mt
Volume of sludge	45 x 365 x 0.0002 = 3.29 cu.mt
Total volume	11.98 cu.mt
Depth of Septic tank	11.98 / 12.00 = 1.00m
Intel pipe invert level assuming a Gradient of 1 in 8 starting from first chamber	0.60m
Total Liquid Depth	1.00m + 0.60m
Required size of septic tank	2.50m x 2.50m x 2.00 m
<b>UPFLOW FILTERS</b>	
Capacity for 30 users (assumed)	45 x 0.045 = 2.00 cu.mt
Hence area of final effluent sump	2.00 / 0.8 = 2.50 sq.m
Size of final effluent sump	2.50 x 1.00 x 0.80m
Size of up flow filter (1)	2.50 x 1.00 x 0.80m
Size of up flow filter (2)	2.50 x 1.00 x 0.80m

LEGEND

PROPOSED CONSTRUCTION

BOUNDARY LINE

ROADS

JOB TITLE

PLAN SHOWING THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING AT PLOT NO: 271, DOOR NO. 271/5, 3RD STREET, GANAPATHY NAGAR COMPRISED IN S.NO.524 PART (as per doc), S.NO:524/1A5 (as per patta), OF MADURAVOYAL VILLAGE, MADURAVOYAL TALUK, GREATER CHENNAI CORPORATION.

ZONE : XI DIVISION : 146

SCALE: 1:100

APPLICANT SIGNATURE:

R. Chandrasekar

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LICENSED SURVEYOR/REGISTERED ENGINEER :