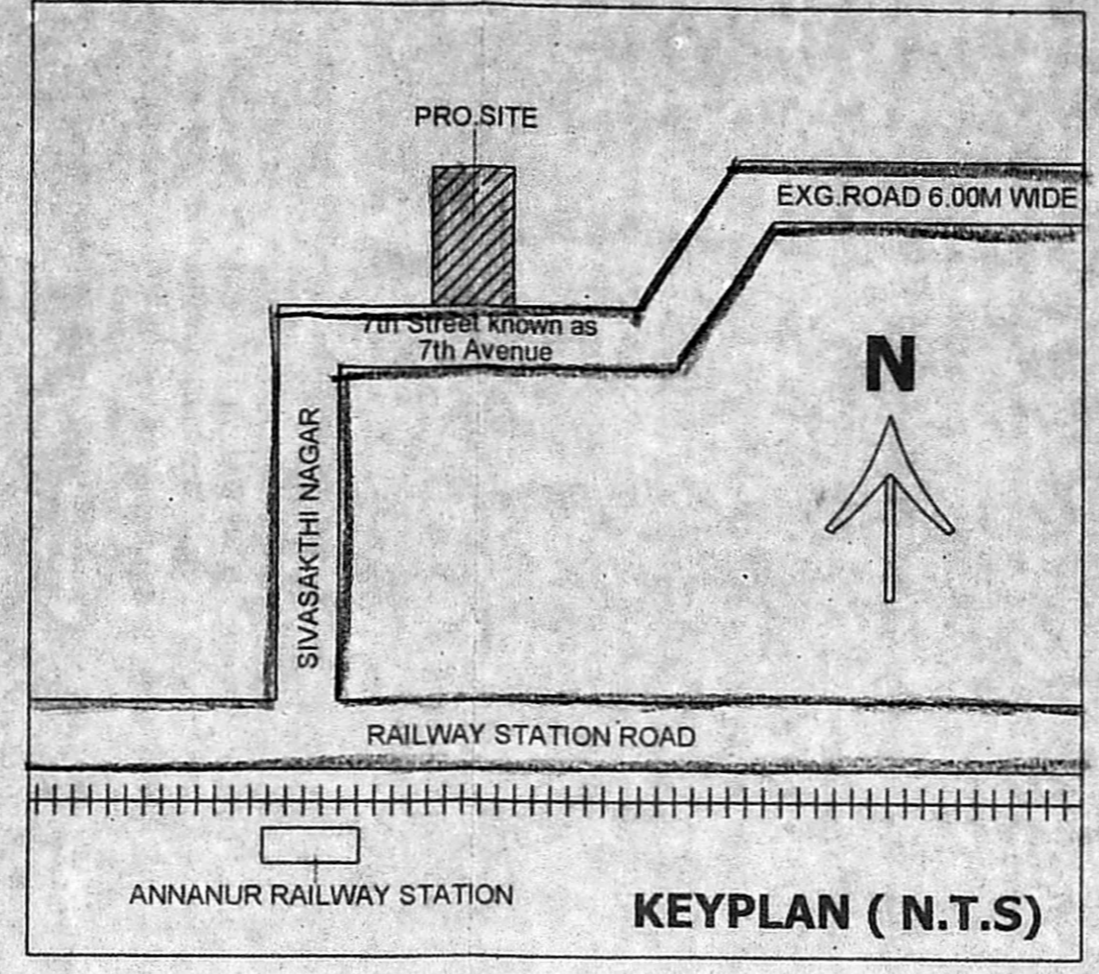
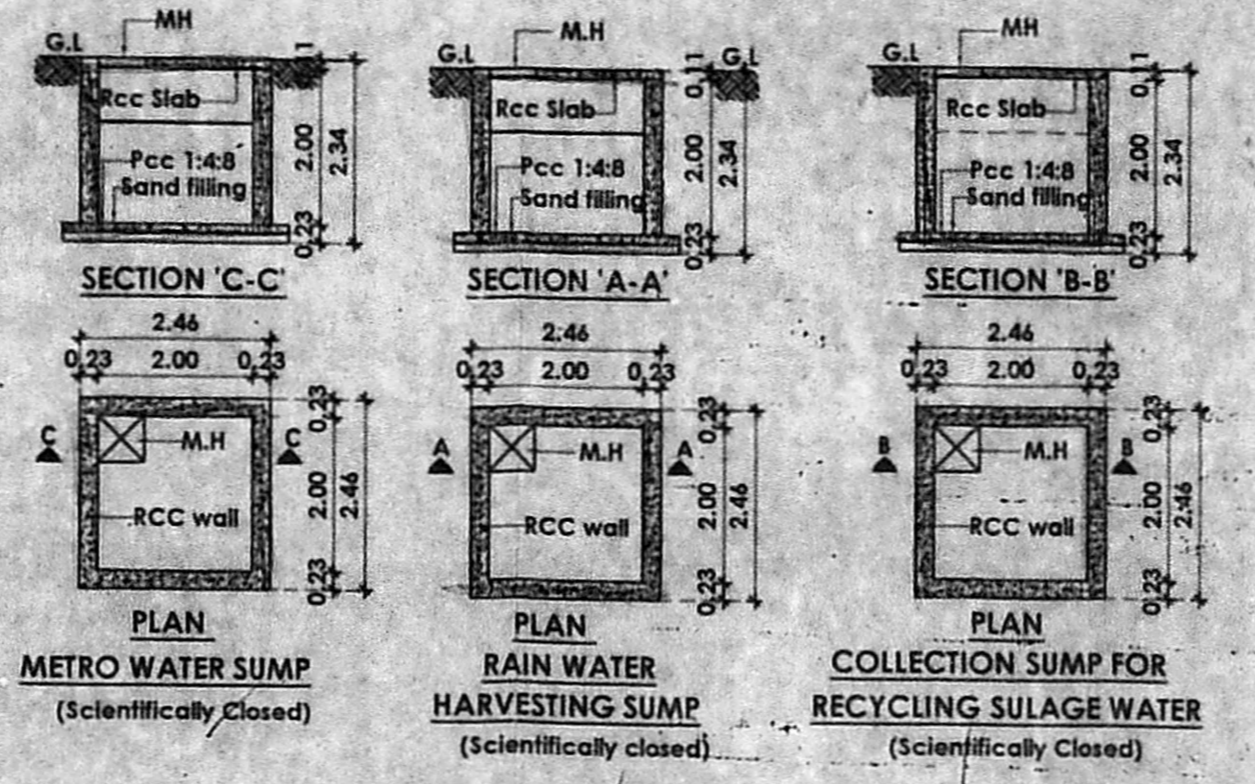
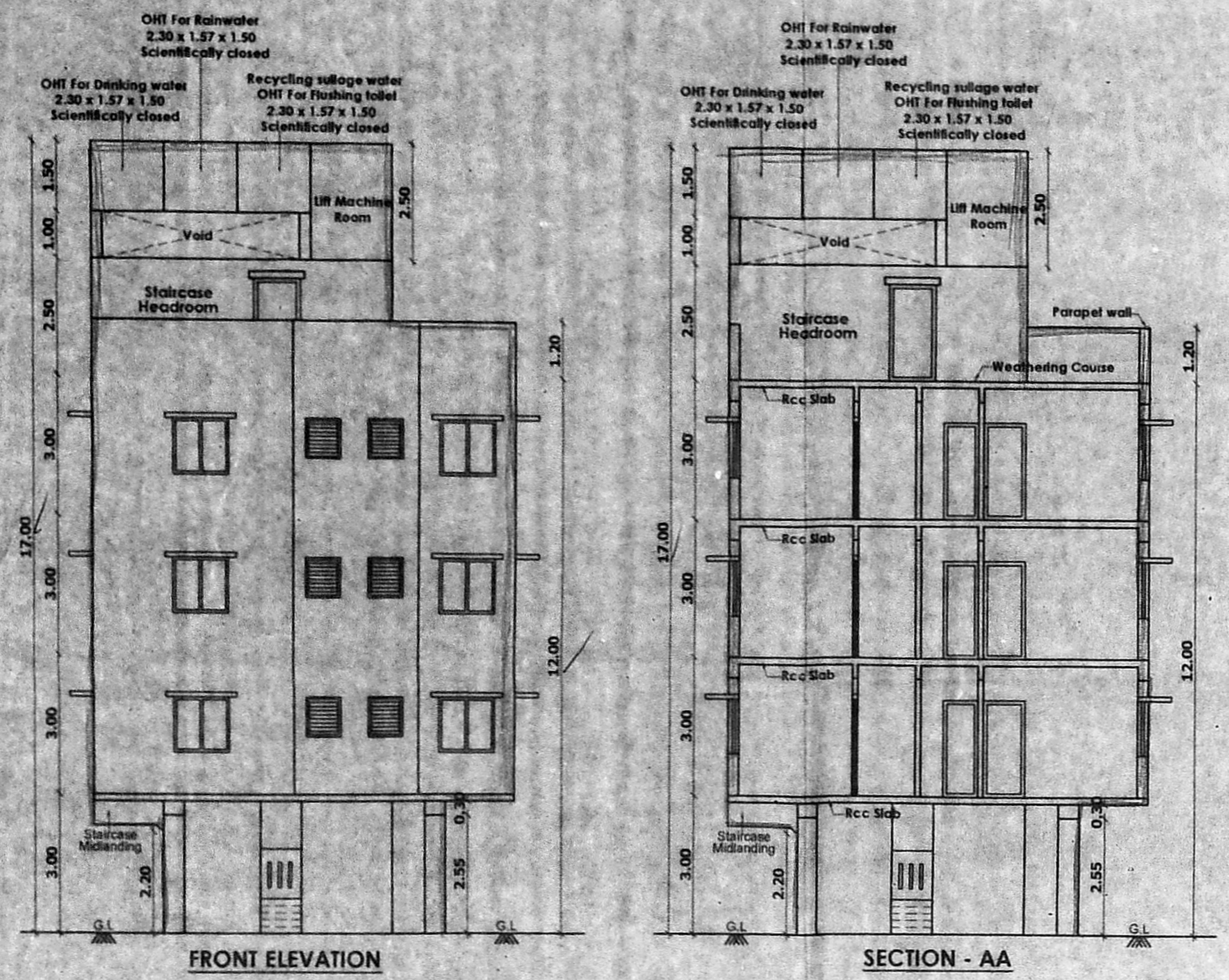
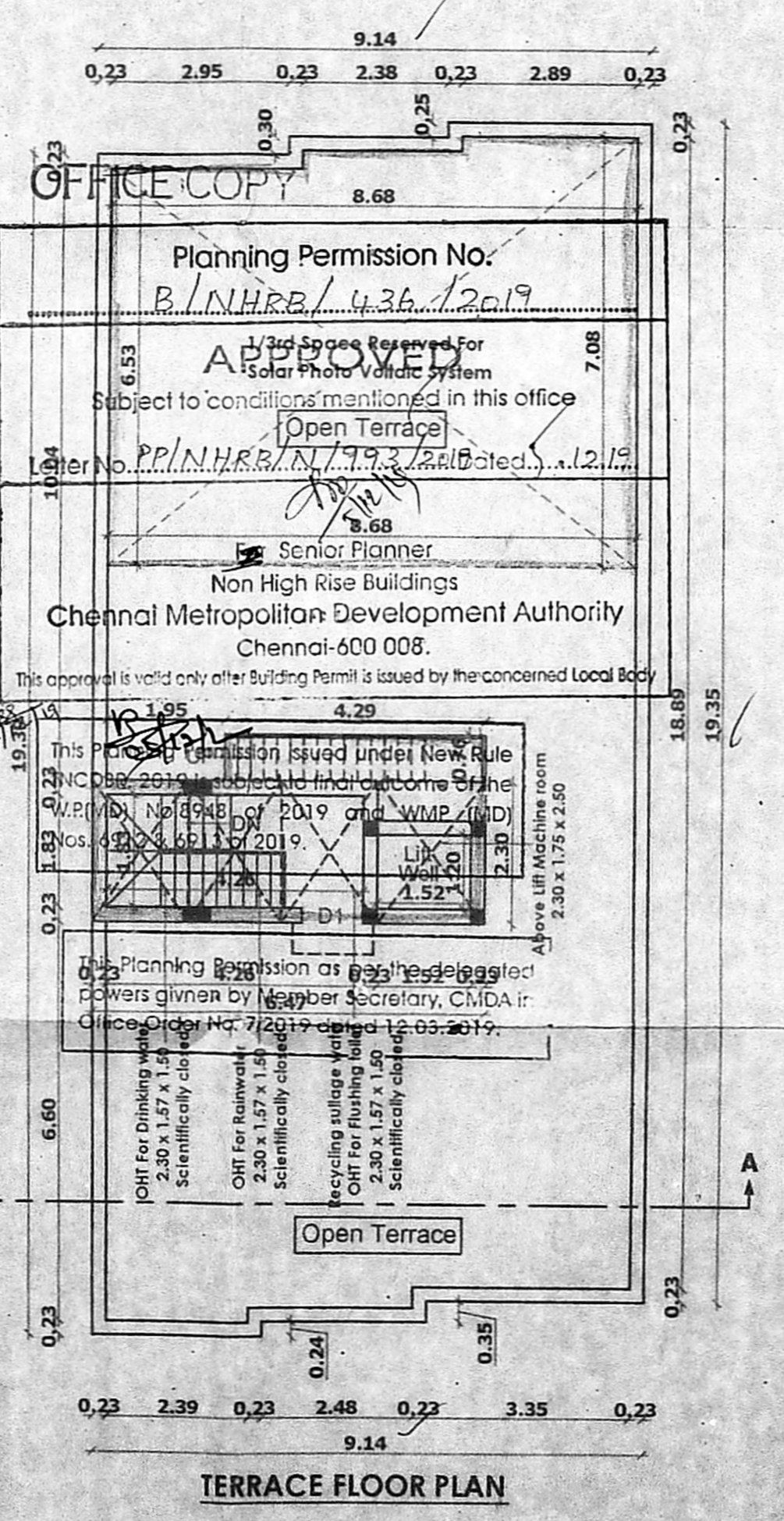
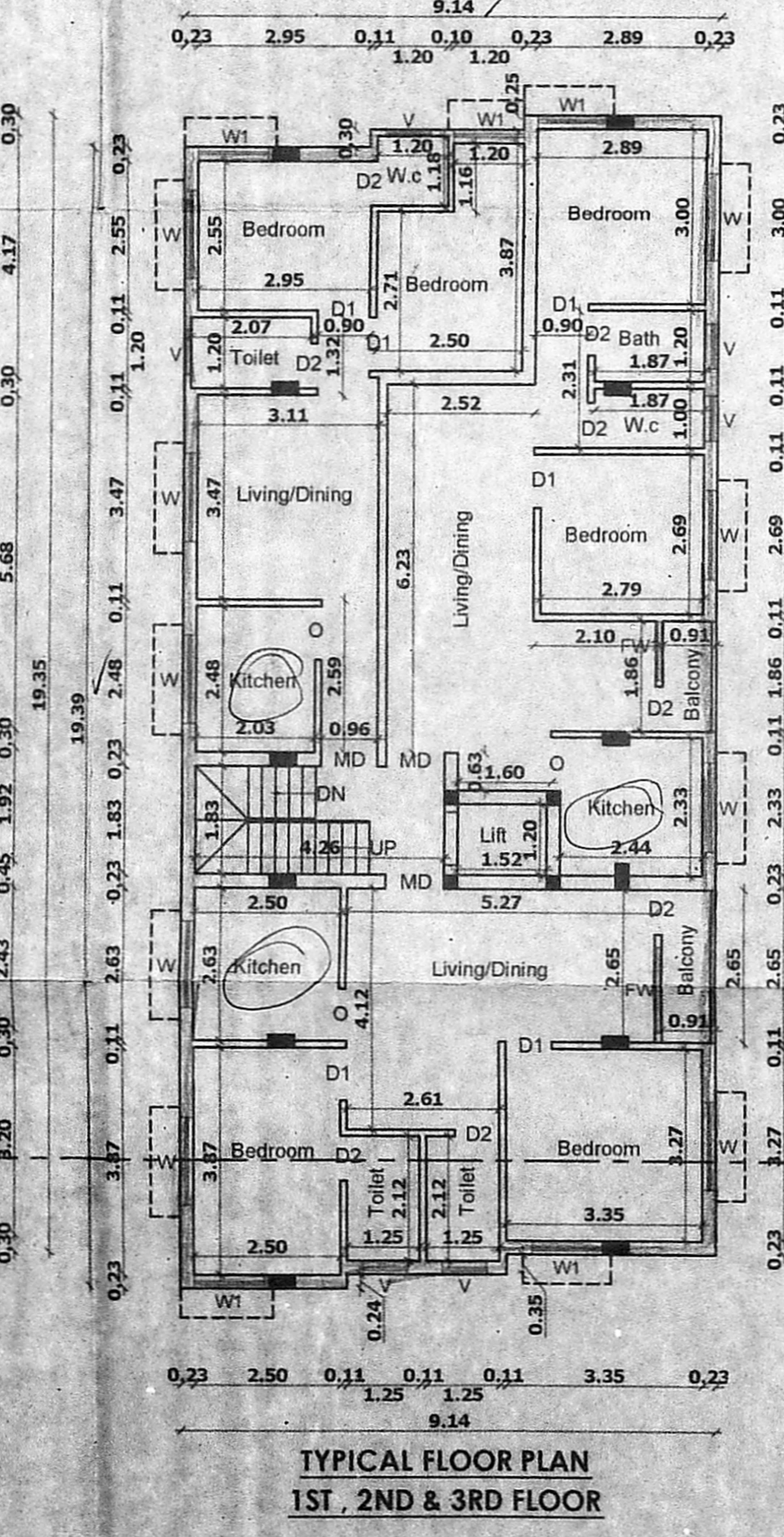
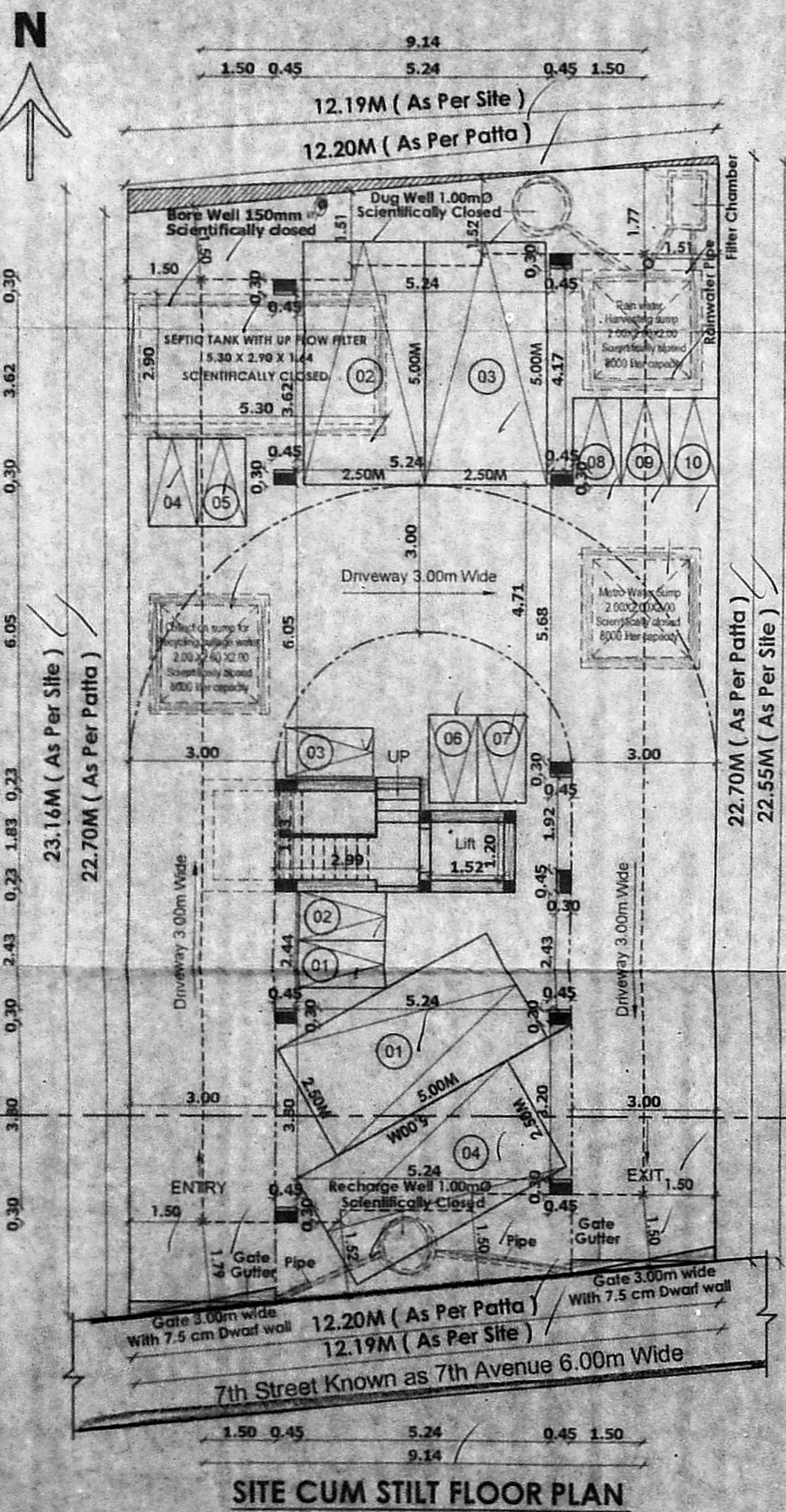
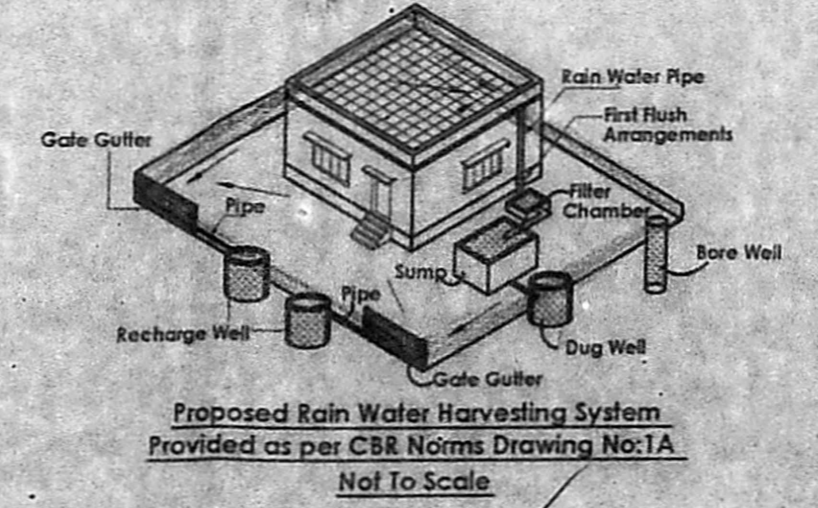
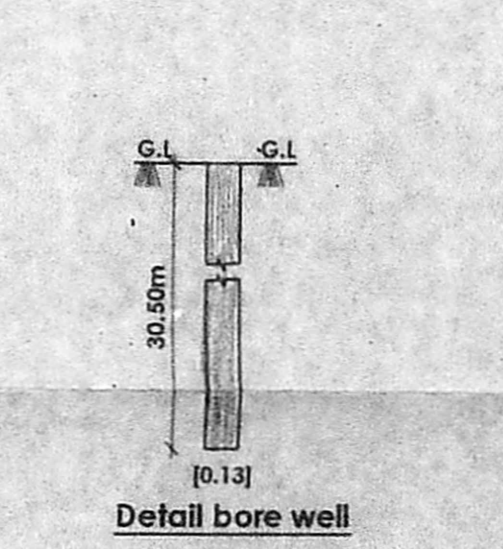
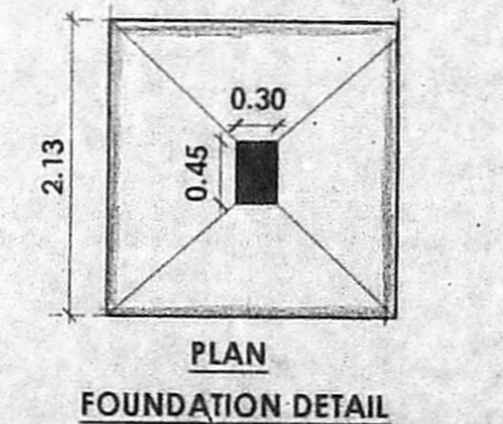
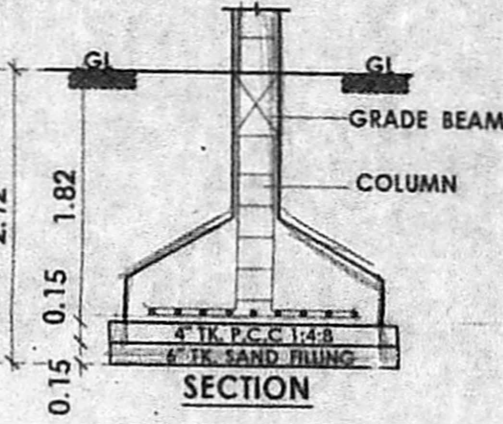
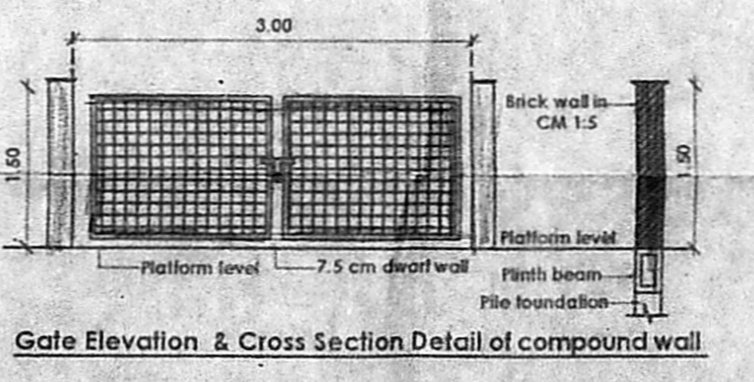
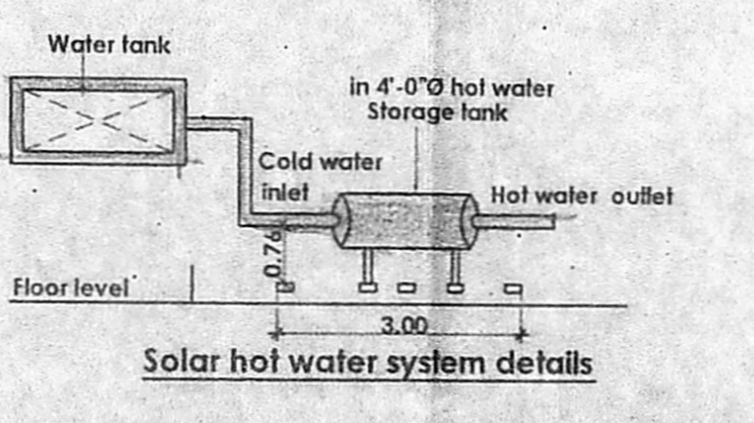
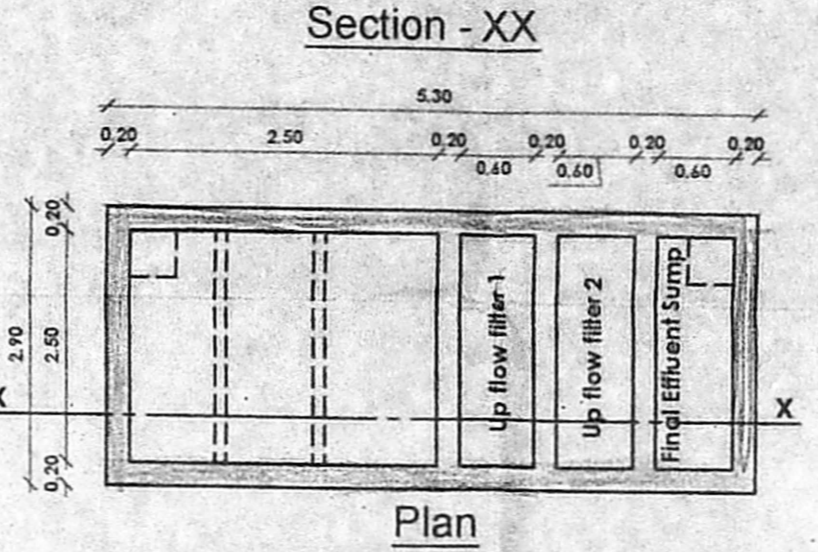
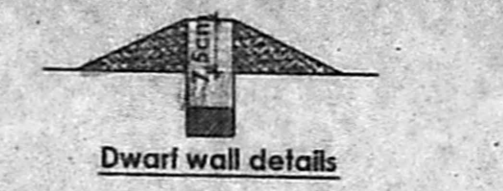
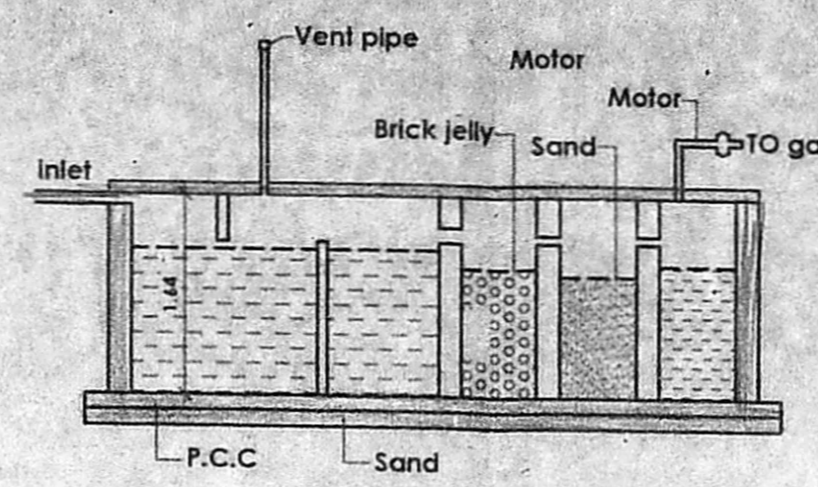


PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT + 3 FLOORS RESIDENTIAL BUILDING WITH 9 DWELLING UNITS AT PLOT NO:5, SIVASAKTHI NAGAR, 'A' SECTOR, 7TH STREET KNOWN AS 7TH AVENUE, THIRUMULLAIVOYAL, CHENNAI- 600109., COMPRISED IN S.NO: 649/13A, 13B (AS PER DOC.) S.NO:649/13A Part,13B Part, T.S.NO:85 (AS PER PATA) WARD : D, BLOCK NO:75 OF THIRUMULLAIVOYAL VILLAGE AVADI TALUK, THIRUVALUR DISTRICT, AVADI MUNICIPALITY.



No. of Flats	: 9 Nos.
No. of users	: 9 X 5 = 45 Nos.
Total No. of users	: 45 Nos.
assume a standard users	: 18 Nos.
Total no. of fixture units assume a peaking factor of 4 lpm/fixture unit	: 18 x 4 lpm = 72 lpm
<b>SEPTIC TANK</b>	
Surface area required for the septic tank	: 108 x 0.92 = 99.36 sq.m
Volume of free board	: 10.00 x 0.30m = 3.00 cu.m
Volume of sedimentation	: 10.00 x 0.30m = 3.00 cu.m
Volume of digestion	: 45 x 0.033 = 1.485 cu.m
Volume of sludge	: 45 x 365 x 0.0002 = 3.28 cu.m
Total volume	: 10.76 cu.m
Depth of Septic tank	: 10.76 / 9.93 = 1.08m
Intel pipe invert level assuming a Gradient of 1 in 8 starting from first chamber	: 0.60m
Total Liquid Depth	: 1.08 + 0.60m = 1.68m
Required size of septic tank	: 2.50 x 2.50 x 1.68
<b>UPFLOW FILTERS</b>	
Capacity for 45 users	: 45 x 0.045 = 2.02 cu.m
Depth (assumed)	: 0.80 (Minimum)
Hence area of final effluent sump	: 2.02 / 0.80 = 2.52 sq.m
Size of final effluent sump	: 2.50 x 0.60 x 1.64m
Size of up flow filter (1)	: 2.50 x 0.60 x 1.64m
Size of up flow filter (2)	: 2.50 x 0.60 x 1.64m



JOINERY DETAILS		
MD	DOOR	1.00 x 2.10
D1	DOOR	0.90 x 2.10
D2	DOOR	0.76 x 2.10
O	OPENING	0.90 x 2.10
W	WINDOW	1.50 x 1.20
W1	WINDOW	1.20 x 1.20
FW	FRENCH DOOR	1.50 x 2.10
FW1	FRENCH DOOR	1.00 x 2.10
V	VENTILATOR	0.76 x 0.60

SPECIFICATION	
BRICK WORK	: SUPER STRUCTURE WITH MAIN WALL USING CM 1:5 MORTAR PARAPET WALL CM 1:4 MORTAR.
WOOD WORK	: MAIN DOOR TEAK, AND OTHER DOORS KONGU WOOD
RCC WORK	: MINIMUM GRADE OF CONCRETE M25 (1:1:2)
FLOORING	: ALL ROOM CERAMICS TILES FLOORING.
PLASTERING WORK	: PLASTERING WORK IN CM 1:4.
WEATHERING COURSE	: WEATHERING COURSE IN BRICK JELLY CONCRETE IN C.M. WITH TWO COURSES OF FLAT TILES LAID TO DETAIL

COLOR INDEX	
PROPOSED	ROAD BOUNDARY

AREA DETAILS	
SCALE 1: 100	
AREA DETAILS	

S.NO.	PLOT AREA DETAILS IN SQ.M	
1	AS PER PATA	278.00
2	AS PER DOC.	278.71
3	LEAST (As Per Plot Regularisation Approval)	275.85

S.NO.	FLOOR	F.S.I AREA
1	STILT FLOOR	
2	FIRST FLOOR	176.97
3	SECOND FLOOR	176.97
4	THIRD FLOOR	176.97
5	TOTAL	530.91
6	F.S.I	1.92

REF : PLOT REGULARISED BY AVADI MUNICIPALITY VIDE PERMIT NO : 02/8643/19/F2, DATED : 26/08/2019  
 CAR PARKING PROVIDED : 4 NOS.  
 TWO WHEELER PARKING PROVIDED : 10 NOS.  
 NO. OF DWELLING UNITS : 9 NOS.

R.A.L.C

Tmt R. PARIMALA, D.C.E.,  
 REGISTERED ENGINEER-GR-III  
 CMDA No : RE/GR-III/19/04/058  
 GCC No : RE300082019  
 No.1E,157, 5th Street, Periyar Nagar,  
 Varadharajapuram, Chennai-600 048.  
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