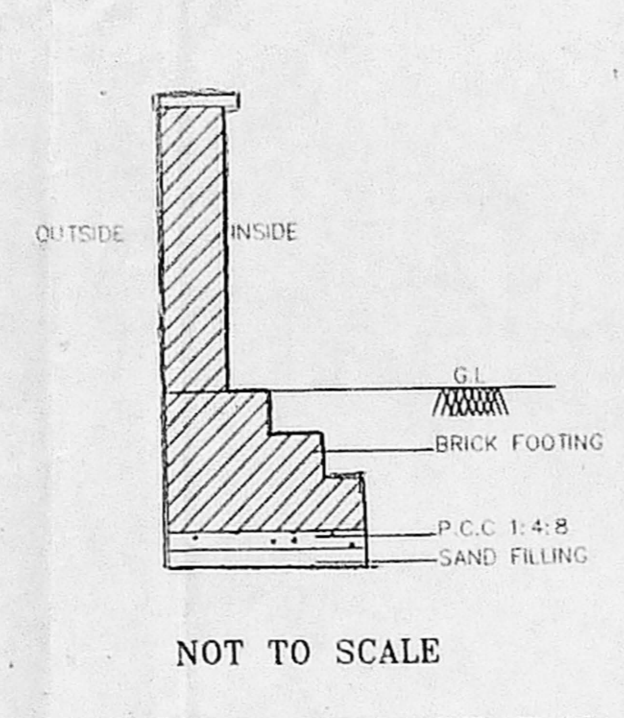
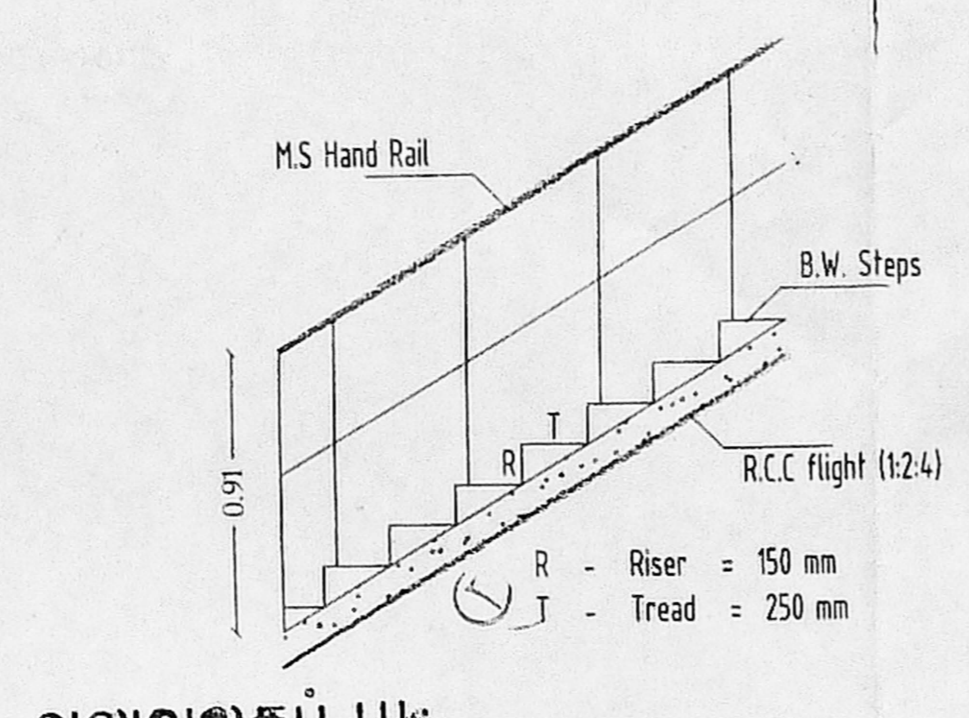


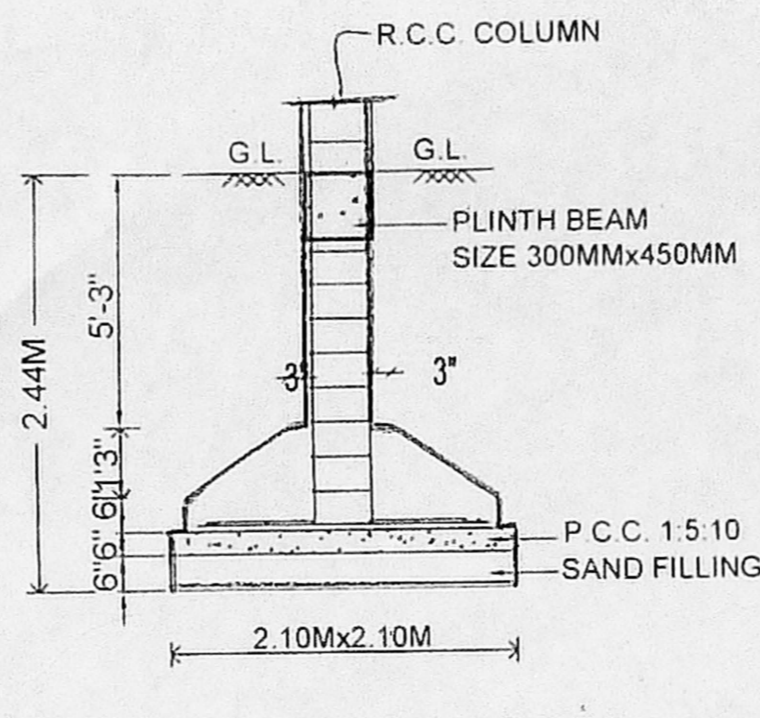
PROPOSED ENTRY & EXIT GATE
NOT TO SCALE



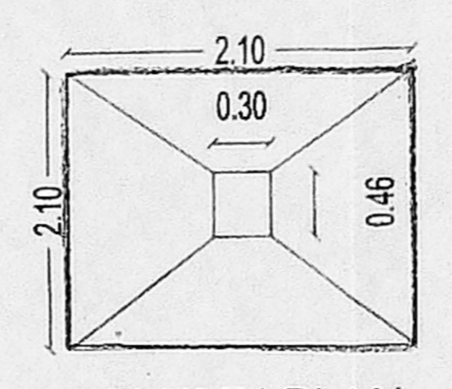
PROPOSED COMPOUND WALL
NOT TO SCALE



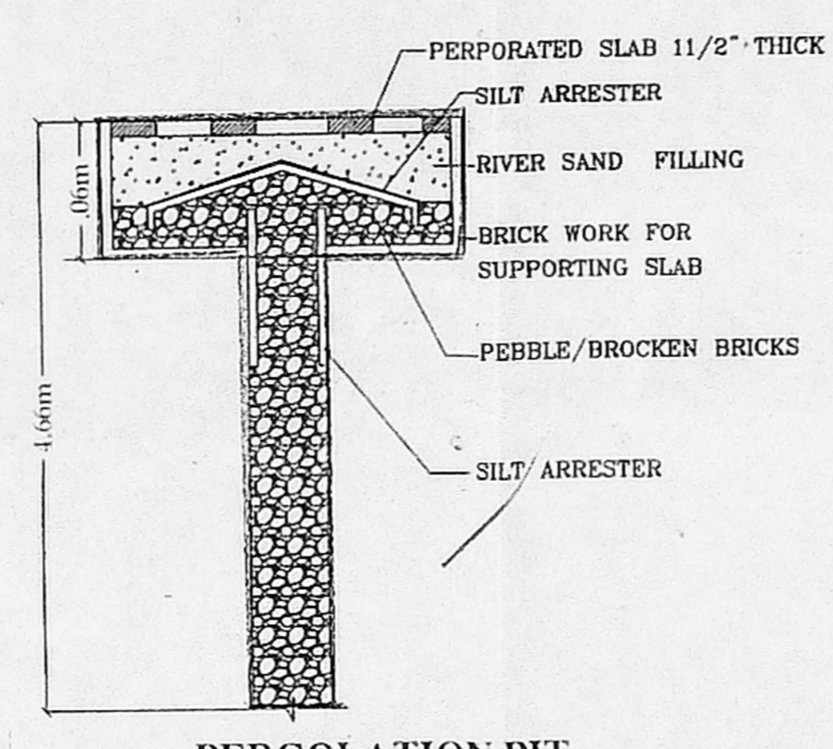
அலமலு மங்குபுரம் பிடி
STAIRCASE DETAILS



SECTION



COLUMN PLAN



PERCOLATION PIT

DESIGN OF SEPTIC TANK WITH TWO UP FLOW FILTERS.

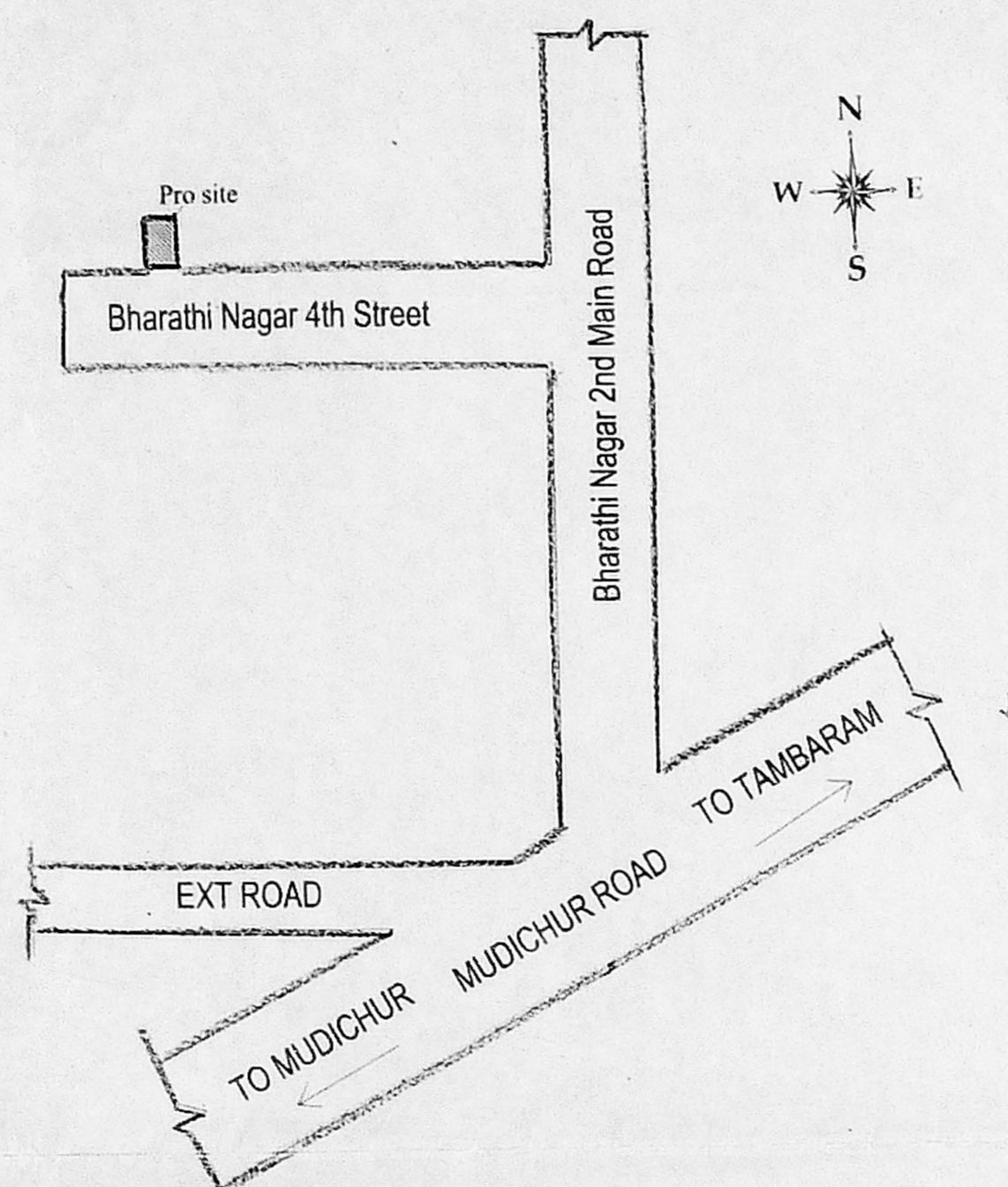
No. of dwellings - 12 units
No. of Users - 5X12 = 60nos.
Rate of water supply is - 75 LPH/Day
Then flow of sewage per day - 60x75 = 4,500Lts/Day
Detention period is - 18 Hrs.
Tank capacity - 4500x18 = 3375 Lts.
24

The tank is to be cleared every year. So the sludge storage capacity at the rate of 15Lts./person/year.
- 60x15 = 900
- 4500+900 = 5400

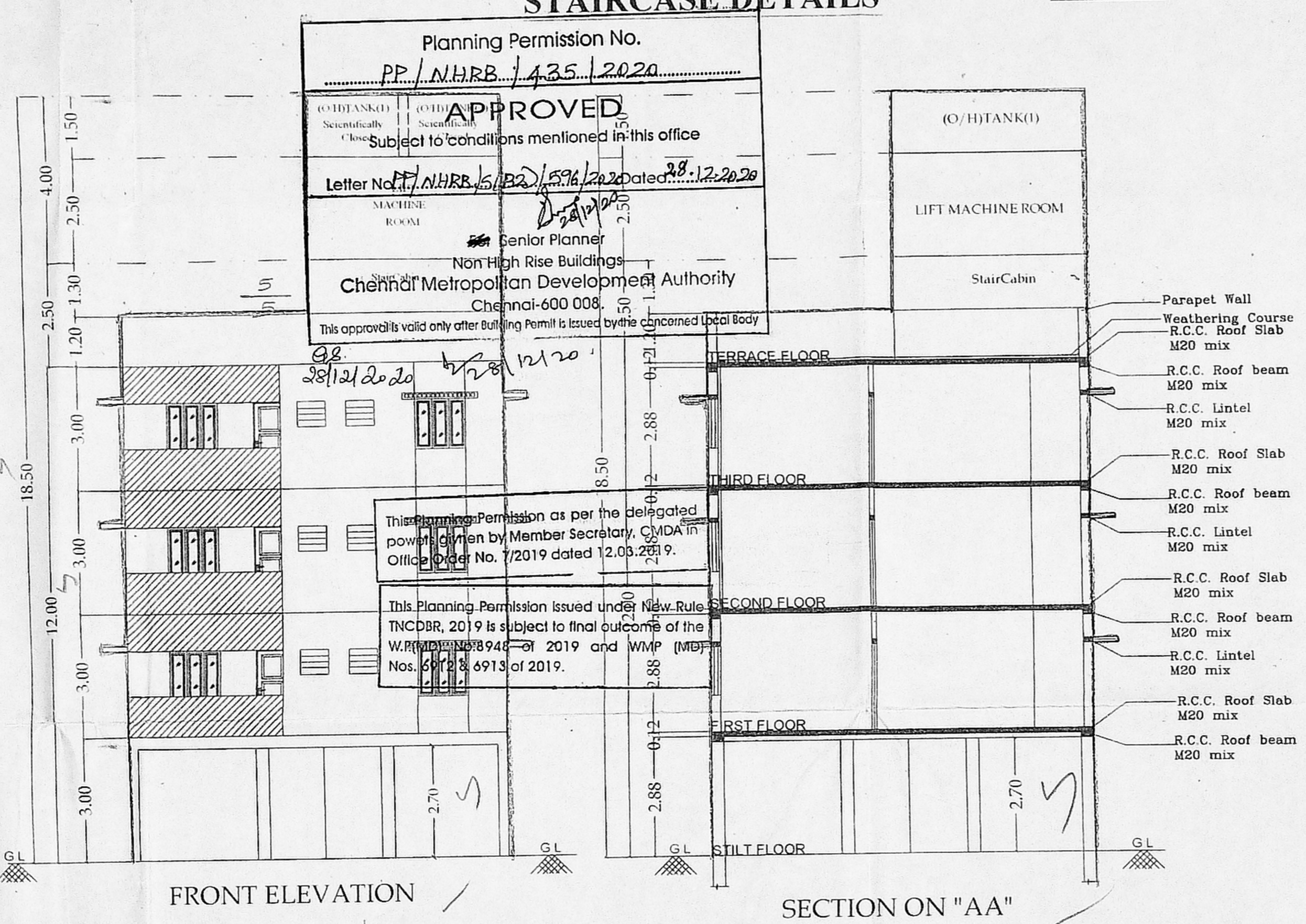
With provision for future expansion let the total capacity be 4,000 lts. approximately taken as 4m³
Septic tank having the capacity of - 4m³
Depth of liquid as - 1.80
Plan of the Tank - 4 = 2.22
1.8
Breadth of the Tank - 1.52
Length of the Tank - 2.02
Free board of the Tank - 0.30
Total depth of the Tank - 1.50+0.30 = 1.80
PROVIDE SEPTIC TANK OF THE SIZE - 2.02x1.52x1.80

UP FLOW FILTERS
Discharge for 3 persons - 1125 Lts.
Volume - 300x0.98=2.94
Depth - 1.80m-0.50m=1.30
Plan area required - 2.94 = 2.26 m²
2.70

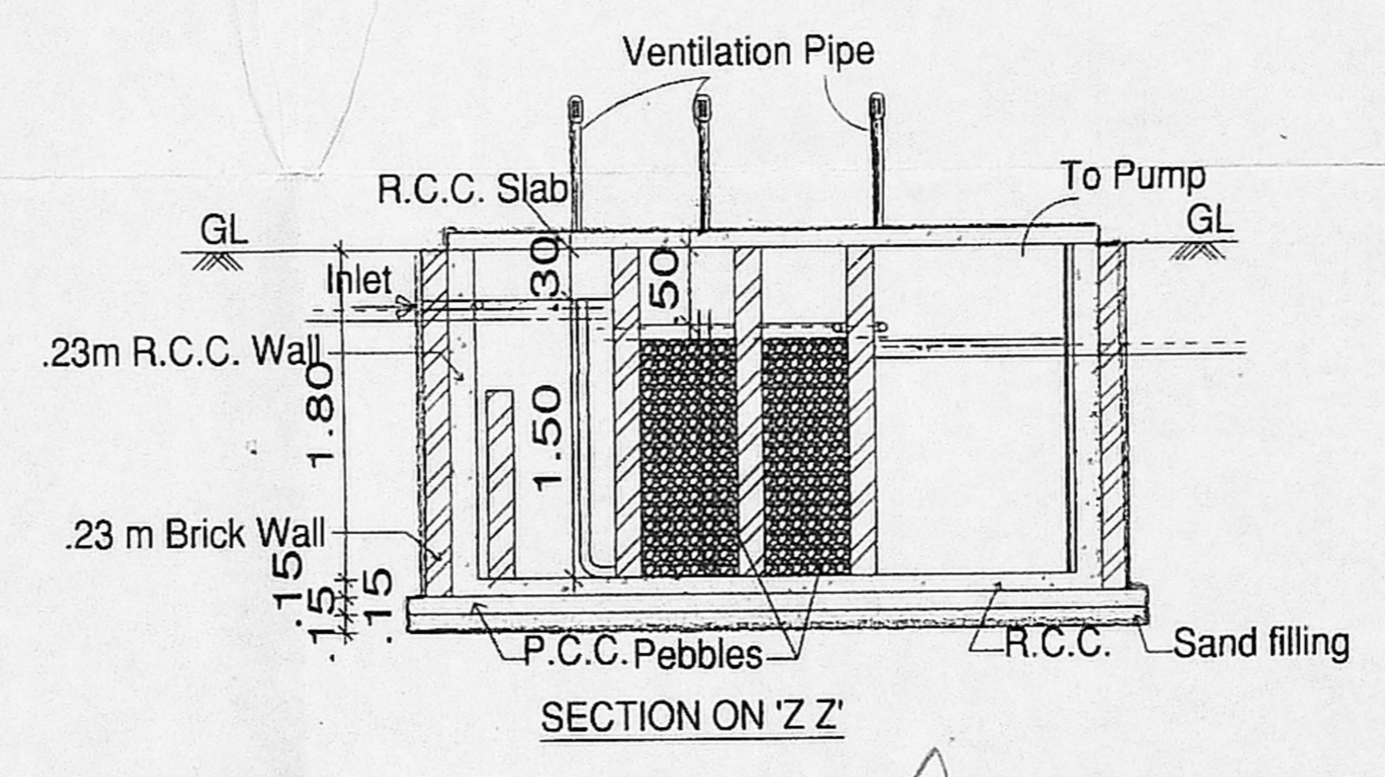
SIZE OF THE FINAL EFFLUENT SUMP - 1.21x1.52x1.80
UP FLOW FILTER NO.1 - 0.78x1.52x1.80
UP FLOW FILTER NO.2 - 0.78x1.52x1.80



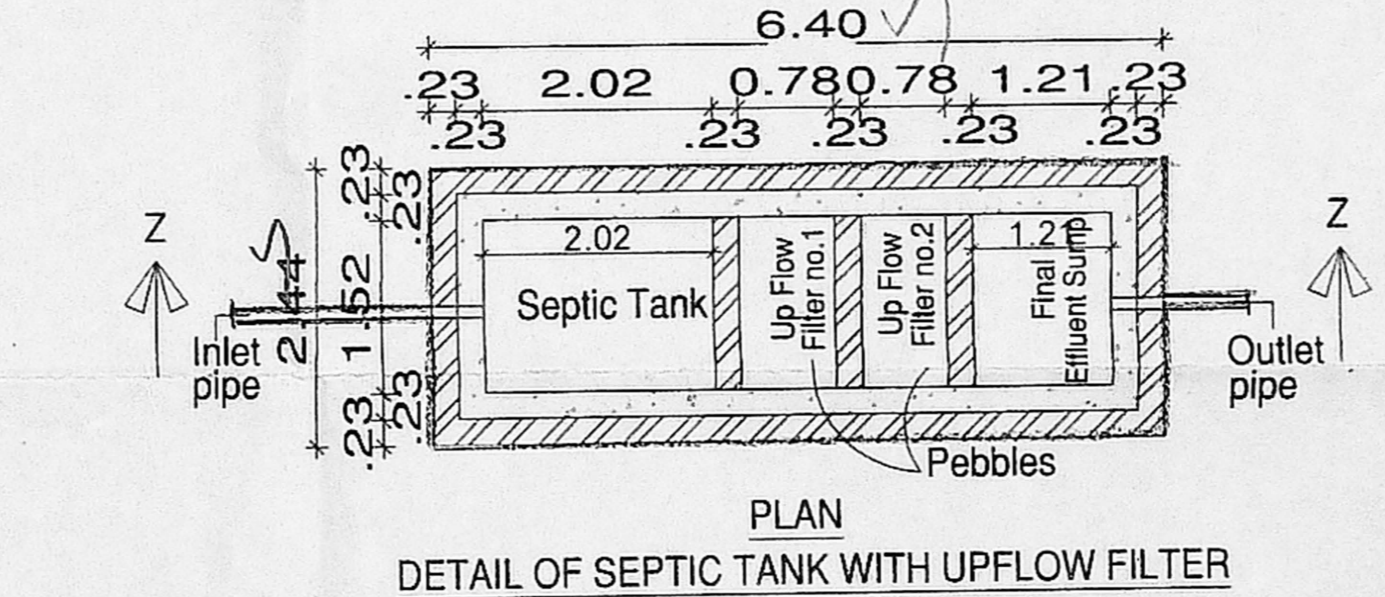
KEY PLAN (NTS)



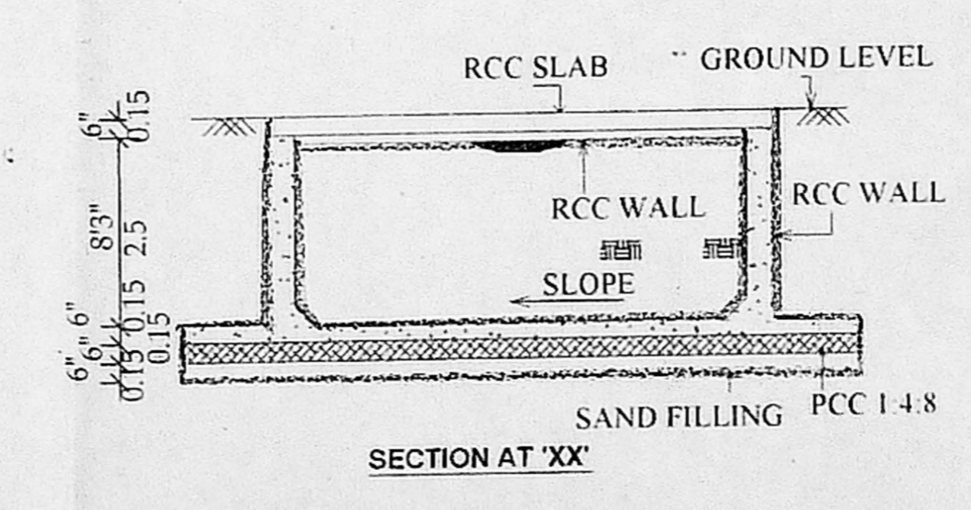
FRONT ELEVATION SECTION ON "AA"



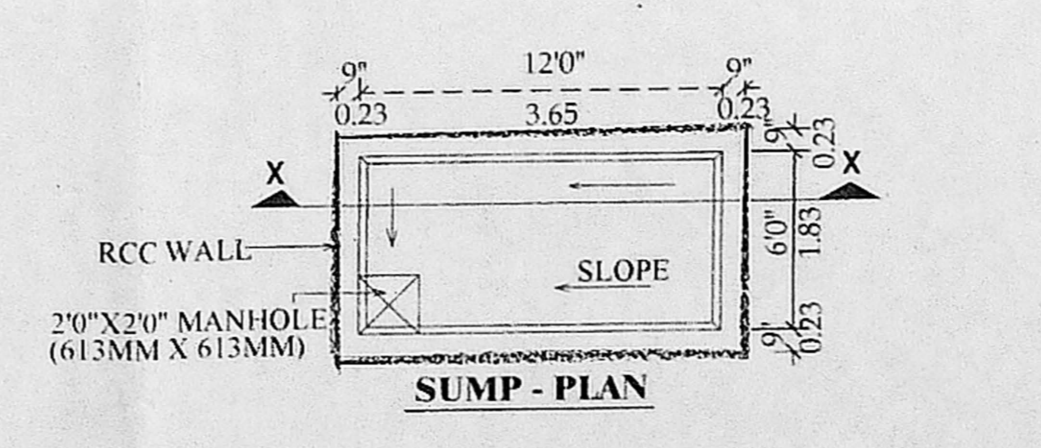
SECTION ON 'ZZ'



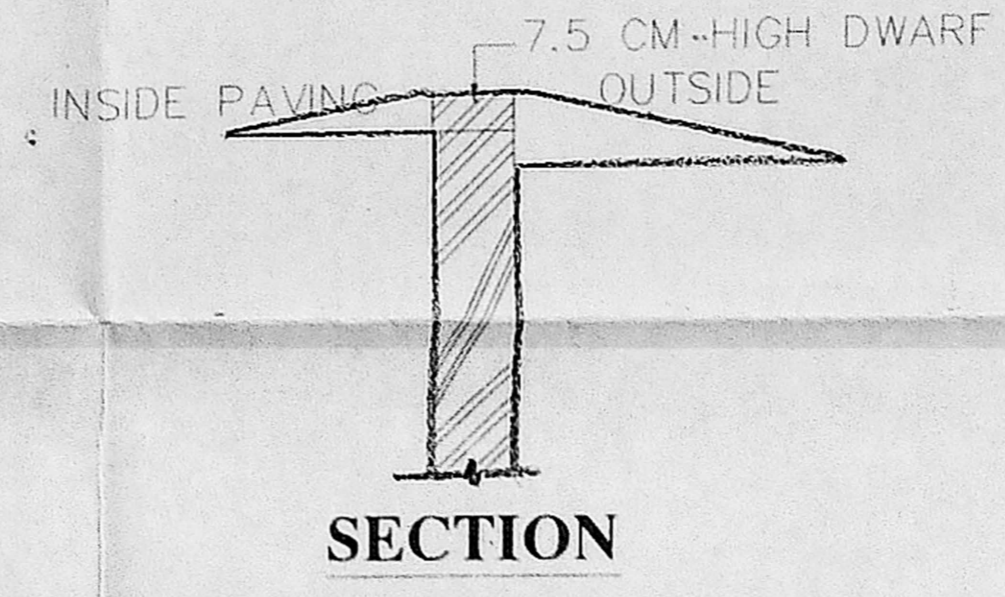
PLAN
DETAIL OF SEPTIC TANK WITH UPFLOW FILTER



UG TANK FOR RAIN WATER AND DRINKING WATER
SCIENTIFICALLY CLOSED

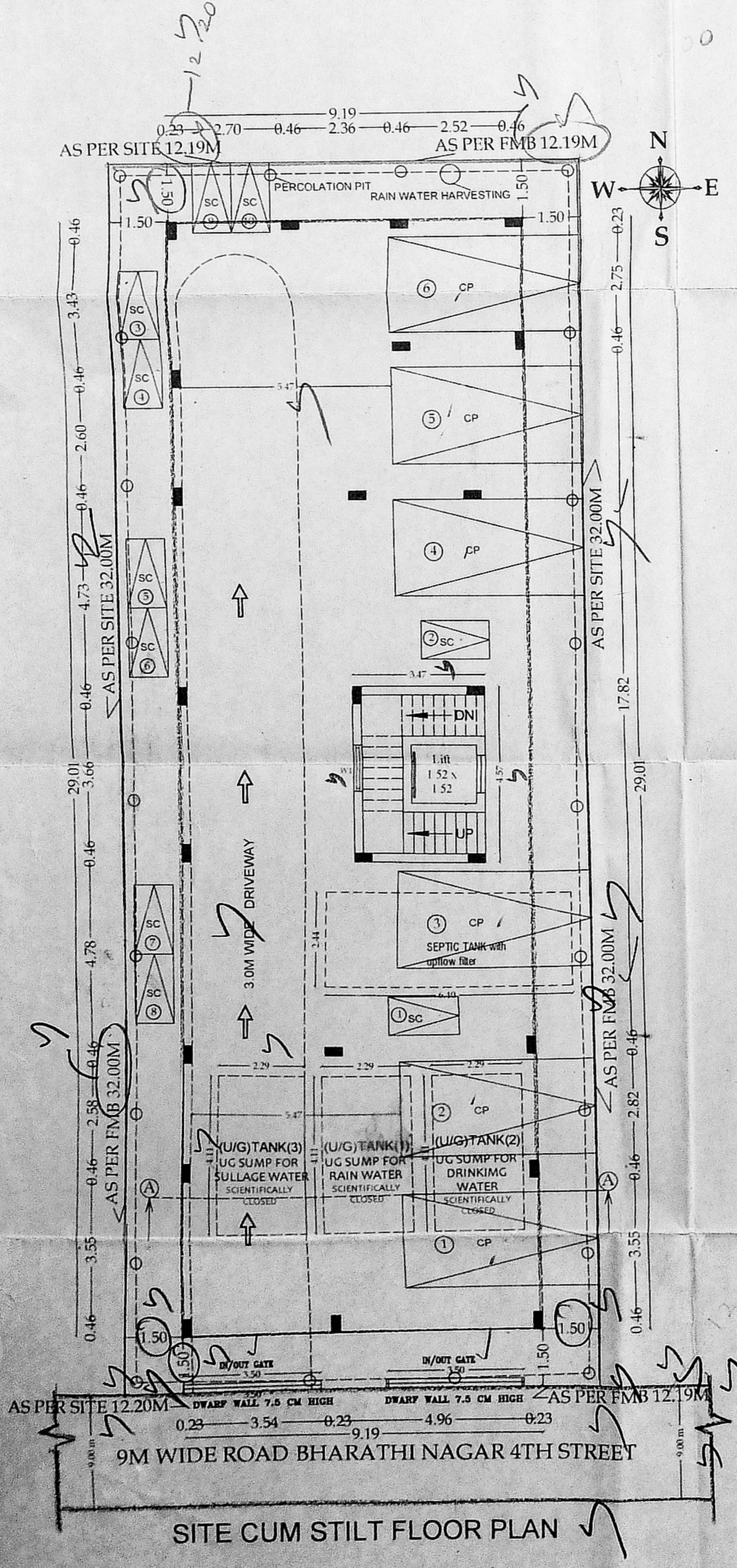


SUMP PLAN

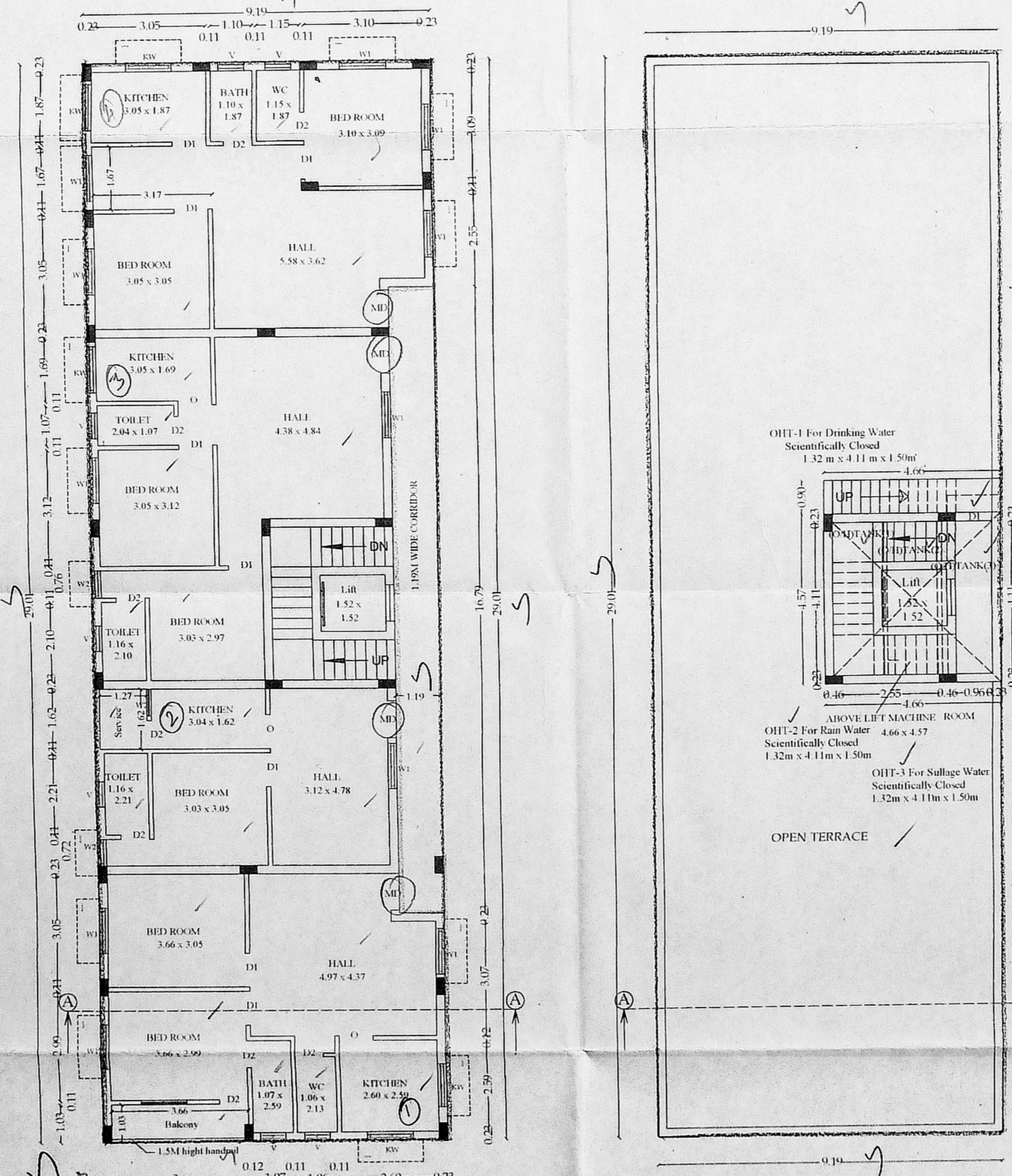


SECTION

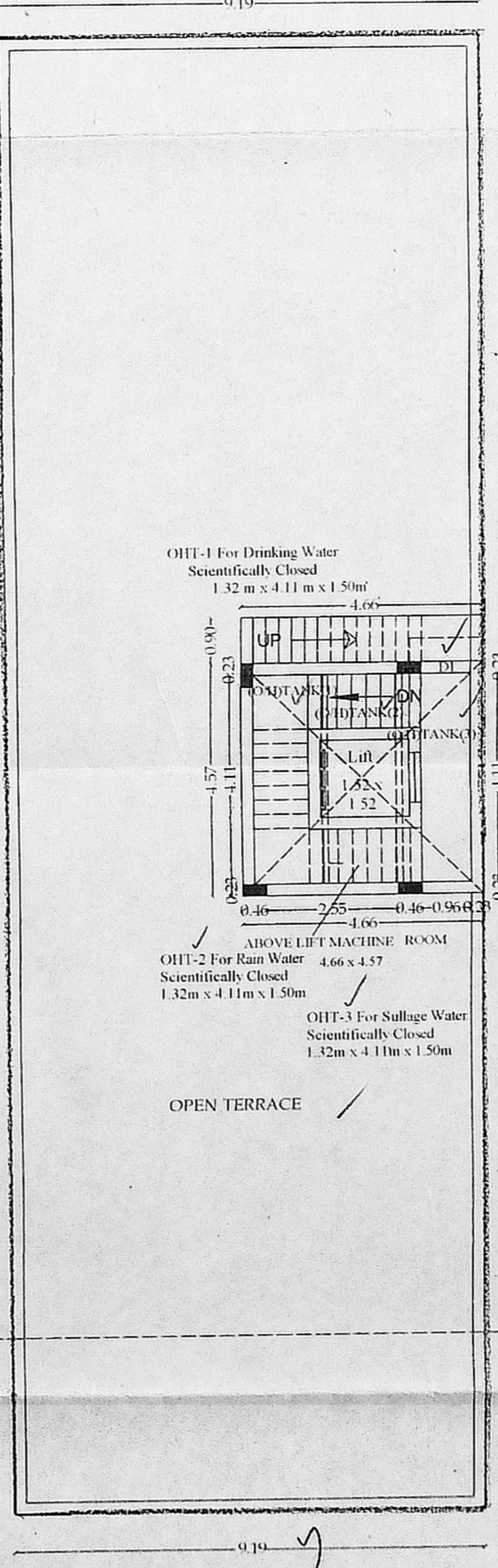
DWARF WALL SECTION



SITE CUM STILT FLOOR PLAN



TYPICAL FLOOR PLAN
(I st, II nd & III rd floor)



TERRACE FLOOR PLAN

Plan Showing The Proposed Construction Of
Residential Building At Plot No.45, Bharathi Nagar 4th Street,
Alamelu Mangapuram, Perungalathur, Chennai - 600063
comprised in Old S.No 258/2, New S.No: 258/2A2A2 of
Perungalathur Town Panchayat.

செ.பெ.உ.கு. (பி).....
ந. எண் 258/2A2A2/2018
உ.கு.பி.பி.பி.
தி.உ. 28/12/2018

REF:
Plot Regularized by CMDA Approval No. PPD/LO
No:2819/2018, dated 12.12.2018

SCHEDULE OF JOINERY	SIZES OF JOINERY	
	[METER]	[FEET]
MD T.W MAIN DOOR TO DETAIL	1.00MX2.13M	3'3"X7'0"
D C.W DOOR TO DETAIL	0.91MX2.13M	3'0"X7'0"
D1 C.W DOOR TO DETAIL	0.76MX2.13M	2'6"X7'0"
W1 C.W GLAZED WINDOW TO DETAIL	1.22MX1.22M	4'0"X4'0"
KW C.W GLAZED WINDOW TO DETAIL	1.22MX1.00M	4'0"X3'0"
V C.W GLAZED VENTILATOR TO DETAIL	0.61MX0.61M	2'0"X2'0"

SPECIFICATION

Foundation	Column Footing
Flooring	Virified T.M Flooring
Super Structure	B.W with C.M 1:5
R.C.C Work	Lintel, Beam, Roof, Sunshade, Staircase With Required Thickness and M20 Grade Concrete
Weathering Course	Brick Jelly With Lime Concrete below
Joinery	Best Indian Country Wood
Finishes	Exterior and Interior Painted With Cement Paint

COLOUR INDEX

PROPOSED ROAD SITE	—
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SCALE 1:100

AREA STATEMENT

SL NO	DESCRIPTION (Build up Area)	FLOOR AREA (Sq m)	NO OF D Units
1	STILT FLOOR (Non FSI)	PARKING	-
2	FIRST FLOOR	266.71	4
3	SECOND FLOOR	266.71	4
4	THIRD FLOOR	266.71	4
5	TOTAL	800.13	12
6	PLOT EXTENT AS PATTI = 400.00 Sq m	✓	FSI = 2.05
6	PLOT EXTENT AS DOCUMENT = 390.19 Sq m	✓	

N. Balakumar
N. Balaji

OWNER / POWER OF ATTORNEY :

S. Balakumar, B.E. (Civil)
Registered Engineer
Reg. No. RE/Gr-III/19/09/305
No.15, V.V. Colony 4th Street,
Adambakkam, Chennai - 600 088
Ph: 2260 9999, Mob: 95519 12345

REGISTERED ENGINEER: