

செ. பெ. கு. (பி) எண்: 11/2018
ந. எண்: 11/2018
உ. தவியாளர்: சி. சி. சி.
கூர்ந்தாய்வு: சி. சி. சி.
தி. உ.: சி. சி. சி.
தி. தி.: சி. சி. சி.

அலுவலகப் படி
PLAN SHOWING THE REVISED APPROVAL TO THE EARLIER SANCTIONED RESIDENTIAL BUILDING AT SURVEY No. 78/3 (as per document) SURVEY No. 78/58 (as per patta) OF PERUNGUDI VILLAGE, PERUNGUDI, CHENNAI - 600 095, THANJAVUR TALUK, KANACHEEPURAM DISTRICT.

Earlier Approval Details :-
CMDA P. Permit No: B/SPLBDG/13/2010 / Lr.No: B1/0207/09 Dated: 18/01/2010
Perungudi Town Panchayat Approval Details :-
BL No: 141/09-10 Dated: 10/03/2010 / Lr. No: 81/2010 Dated: 10/03/2010.

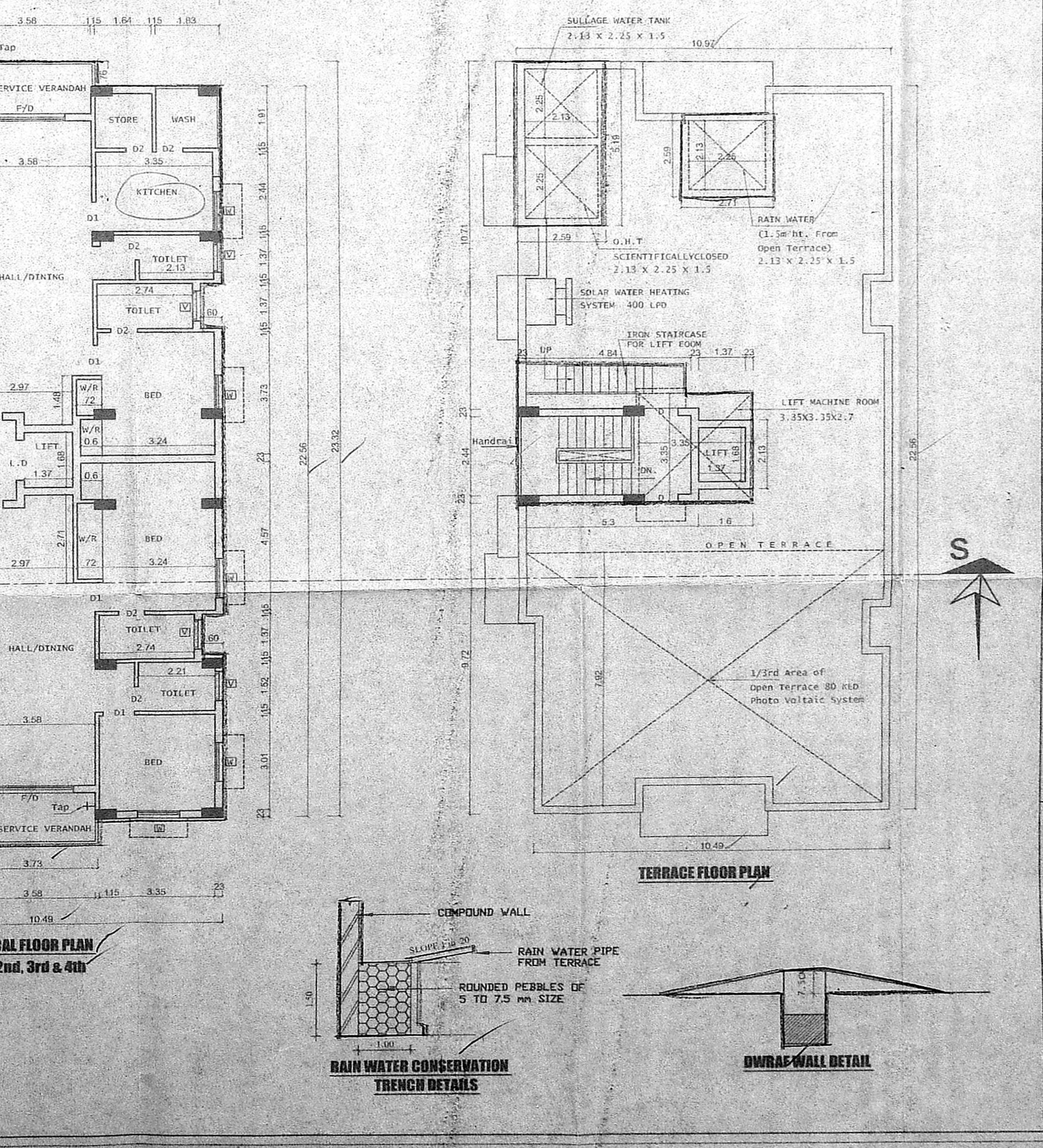
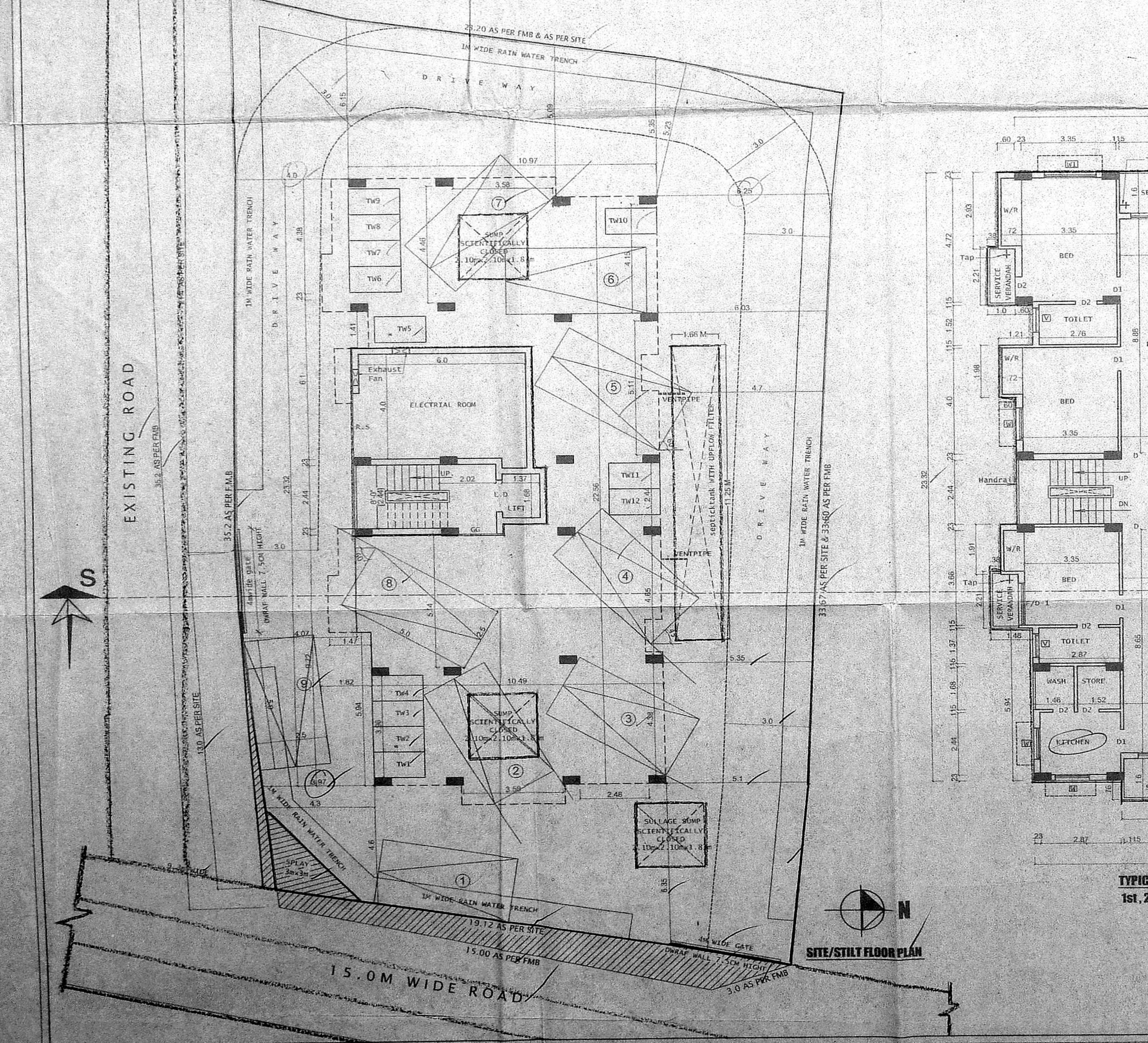
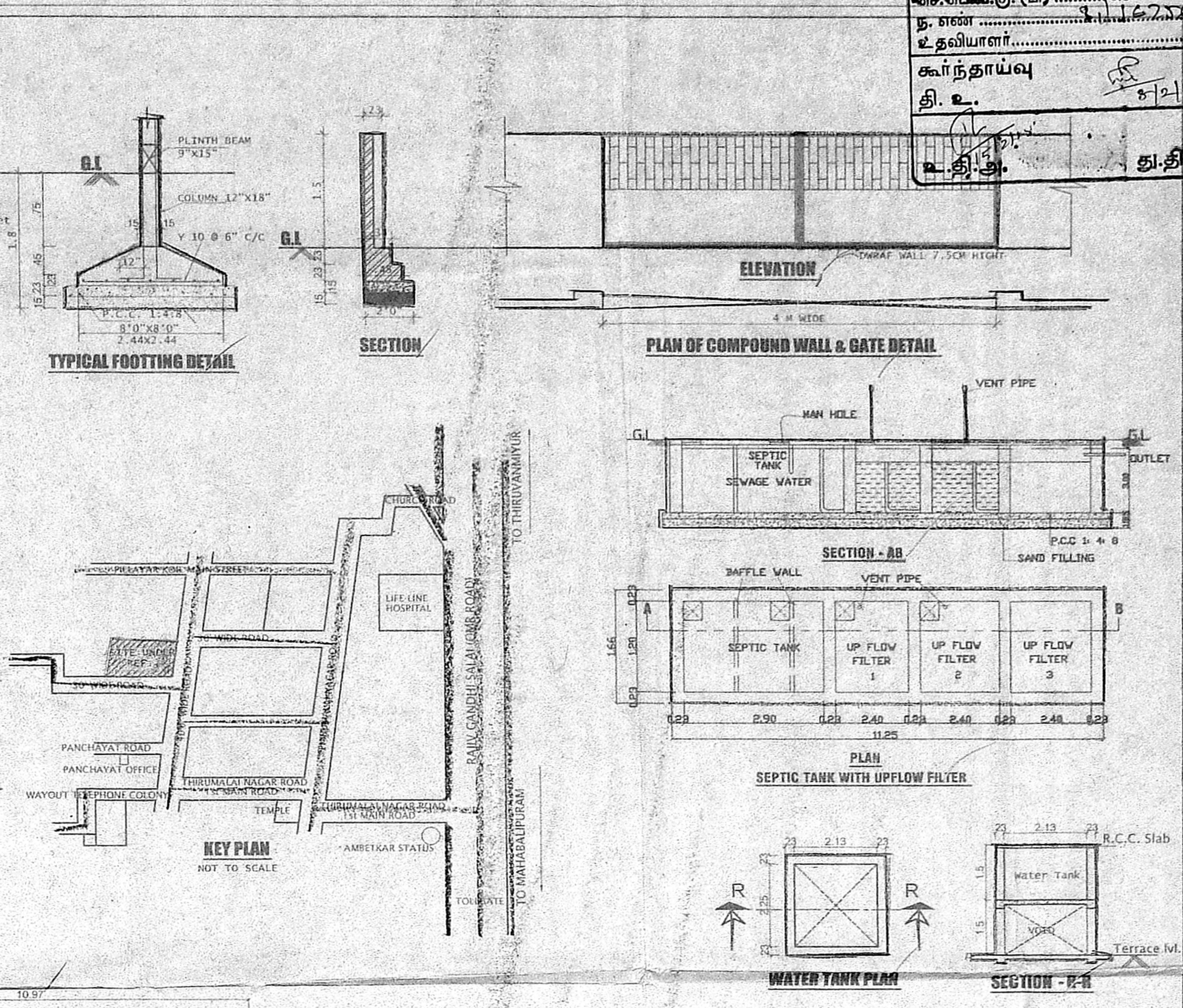
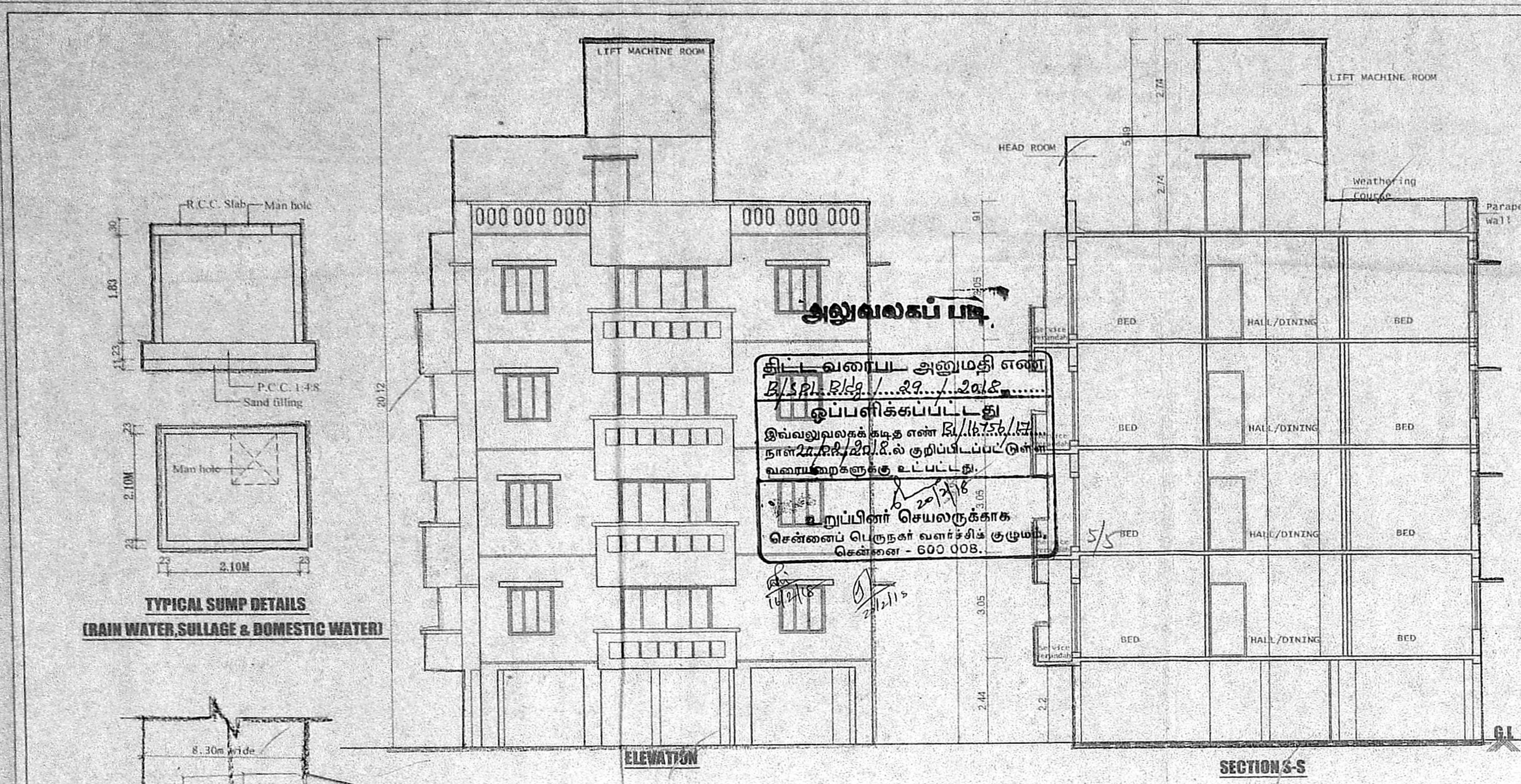
SCALE - 1" = 8' 0" (1:100)

ABBREVIATIONS:-

| | | |
|-------|---------------|---------------|
| LD | LIFT DOOR | 4' 0" X 7' 0" |
| D | DOOR | 3' 3" X 7' 0" |
| D1 | DOOR | 3' 0" X 7' 0" |
| D2 | DOOR | 2' 6" X 7' 0" |
| F/W | FRENCH WINDOW | 8' 0" X 6' 6" |
| F/W-1 | FRENCH WINDOW | 5' 0" X 6' 6" |
| W | WINDOW | 4' 0" X 4' 6" |
| V | VENTILATOR | 3' 0" X 2' 0" |

AREA STATEMENT:-

| | | | |
|----------------------------|---------------------------|--------|--------|
| | BALCONY (5% of NON F.S.I) | SQ. MT | SQ. MT |
| PLOT EXTENT (as per site) | | 704.09 | |
| PLOT EXTENT (as per Doc.) | | 740.71 | |
| PLOT EXTENT (as per patta) | | 750.00 | |
| FIRST FLOOR | | 244.85 | 12.21 |
| SECOND FLOOR | | 244.85 | 12.21 |
| THIRD FLOOR | | 244.85 | 12.21 |
| FOURTH FLOOR | | 244.85 | 12.21 |
| TOTAL AREA | | 979.40 | 48.84 |
| F. S. I. | | | 1.391 |



COLOUR INDEX:-

PROPOSED: [Symbol]

BOUNDARY: [Symbol]

ROAD/STREET: [Symbol]

Scale: 1" = 8'-0" (1:100)

SEPTIC TANK DETAIL

8 DWELLING UNITS.
1 DWELLING 5 PERSON, NO. OF USERS 8X5=40
RATE OF WATER SUPPLY IS 135LPH/DAY
THEN FLOW OF SEWAGE PER DAY = 40X135=5400
DETENTION PERIOD IS 18 HOURS
TANK CAPACITY 5400X18/24 = 4050
THE TANK IS TO BE CLEARED IN EVERY YEAR
SO SLUDGE STORAGE CAPACITY AT THE RATIO OF 150 L/L FOR PERSON PER YEAR=30X135= 405
4050 + 405 = 4590 LI
WITH PROVISION FOR FUTURE EXPANSION
LET THE TANK CAPACITY = 5000 LI = 5M³
DEPTH OF LIQUID = 2.0M.
THE RATIO OF LENGTH TO WIDTH OF TANK=3, L=3B
PLAN AREA OF TANK=5*2.5=12.5 M²
AREA = Lx9 = 3x9 = 27 = 2.5 M²
B = 2.5/3 = 0.90 L = 3B = 3x0.90 = 2.70 M
FREE BOARD OF TANK = 0.4
THEN DEPTH OF TANK = 2 + 0.4 = 2.4M.
UPFLOW FILTER DISCHARGE OF 30 PERSONS = 30X135 LI = 2250.
PROVIDE SEPTIC TANK SIZE = 2.70 X 0.9 X 2.4M
PROVIDE SEPTIC TANK SIZE = 2.90 X 1.50 X 2.4M (MINIMUM)
VOLUME 40 X 0.25 = 10 M³
THEN DEPTH OF TANK = 2 - 0.5 = 1.5 M.
PLAN AREA REQUIRED = 10/3 FILTER 1.5 = 2.2 M²
B = 2.2 / 0.9 = 2.40 M
UP FLOW FILTER I = 2.40 X 1.54 X 1.5 M
UP FLOW FILTER II = 2.40 X 1.84 X 1.5 M
UP FLOW FILTER III = 2.40 X 1.04 X 1.5 M

OWNER:-

R. Chandrasekaran
R. CHANDRASEKARAN, S.E.(CIVIL), E.V.
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LICENSED SURVEYOR:-

