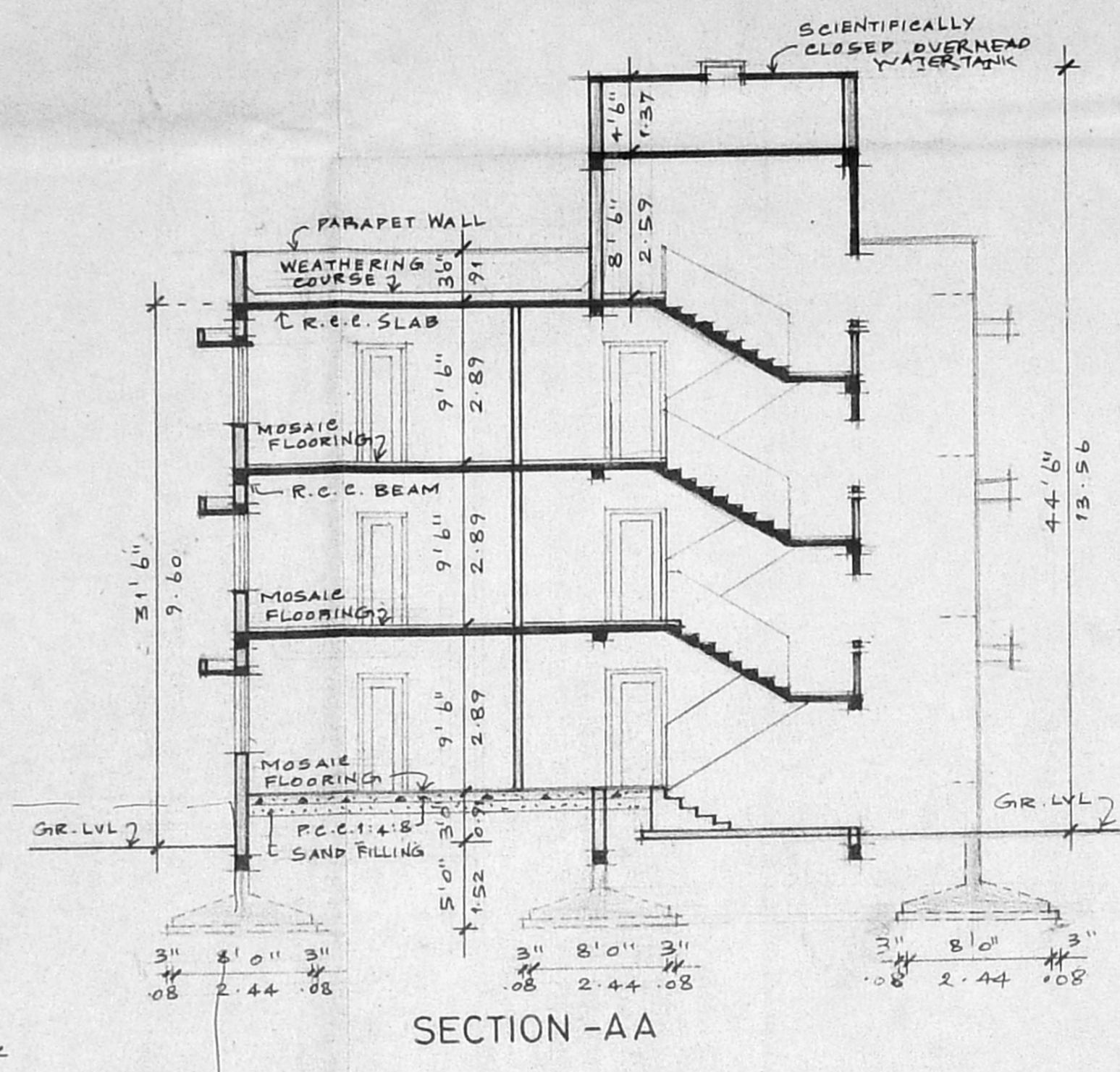
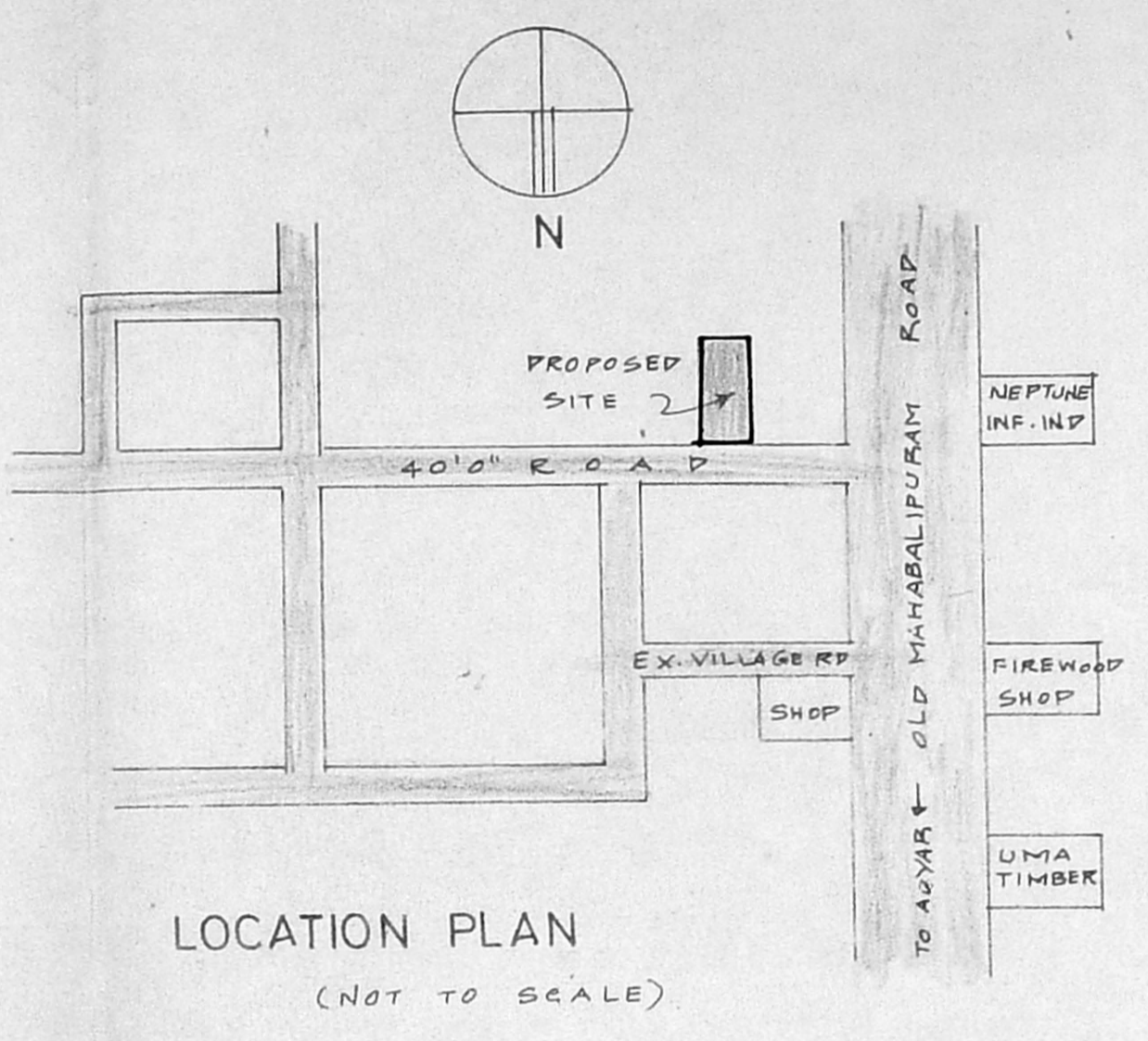


FRONT ELEVATION



SECTION-AA



LOCATION PLAN (NOT TO SCALE)

DESIGN OF SEPTIC TANK

1. NO. OF DWELLINGS = 15
2. NO. OF USERS 15 X 5 = 75
3. RATE OF WATER SUPPLY = 150L/DAY
4. FLOW OF SEWAGE 75 X 150 = 11250 LTS
5. DETENTION = 18 HOURS
6. TANK CAPACITY 11250 X 1.8 = 8437.50 LTS
7. CLEANING ONCE IN A YEAR = 1125 LTS
8. SLUDGE STORAGE 75 X 15 = 1125 LTS
9. CAPACITY REQUIRED (8437.50 + 1125) = 9562.50 LTS
10. ASSUME SEPTIC TANK CAPACITY = 10,000 M³
11. DEPTH OF WATER = 1.20 M
12. FREE BOARD = 0.30 M
13. TOTAL DEPTH = 1.50 M

12. AREA OF SEPTIC TANK REQUIRED $\frac{10,000}{1.20} = 8,333.33 \text{ M}^2$

13. ASSUME LENGTH OF TANK = 7.00 M

14. CLEAR WIDTH OF TANK = 1.50 M

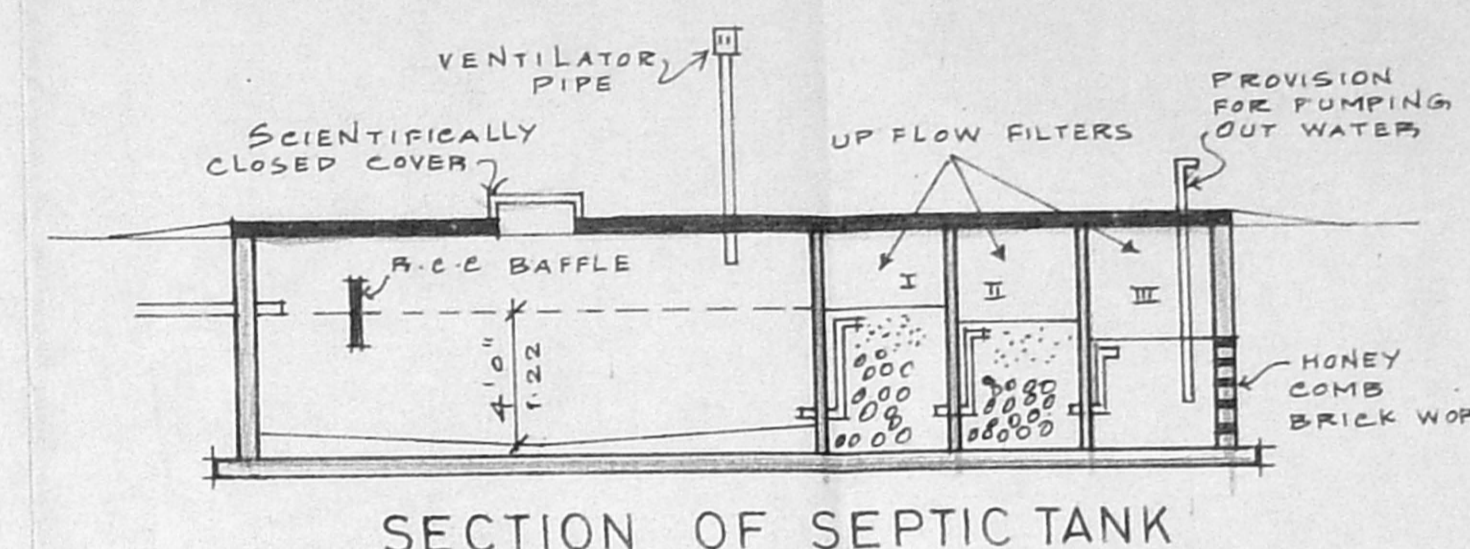
15. SIZE OF SEPTIC TANK 7.00 X 1.50 X 1.20

UP FLOW FILTER

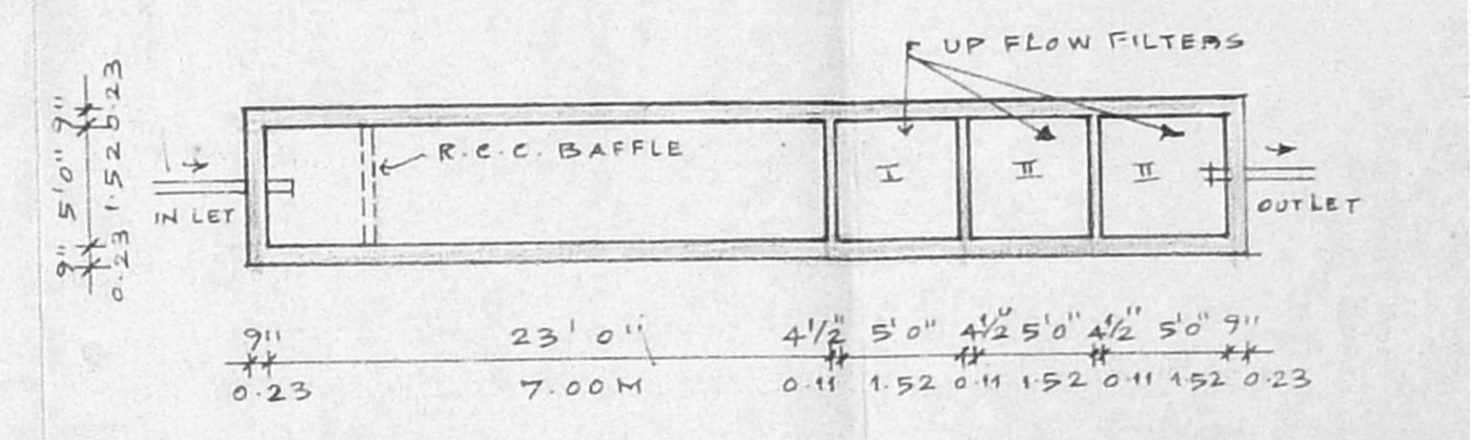
1. DISCHARGE FROM SEPTIC TANK = 8437.50 LTS/DAY
2. WIDTH OF FILTER = 1.50 M
3. DEPTH OF FILTER = 1.20 M
4. LENGTH REQUIRED $\frac{8437.50}{1.5 \times 1.2} = 4.67 \text{ M}$
5. THREE NO. OF FILTER PROVIDED
6. LENGTH OF EACH FILTER 4.67

CMDA (B) No. 1
C.No. B/1/22/198

Signature: [Signature]
P.A. [Signature]
AP. [Signature] D.P.



SECTION OF SEPTIC TANK



PLAN OF SEPTIC TANK

- SPECIFICATIONS:**
1. THE BUILDING SHALL BE CONSTRUCTED WITH R.C.C. FRAMED STRUCTURE WITH 9" BRICK MASONRY WALLS FOR EXTERIOR AND 4 1/2" THICK BRICK MASONRY WALLS FOR INTERIOR.
 2. ALL EXPOSED CONCRETE SURFACES SHALL BE PLASTERED IN CEMENT MORTAR 1:3 AND ALL BRICK SURFACES IN CEMENT MORTAR 1:4.
 3. THE ROOF SLAB OVER GROUND, FIRST AND SECOND FLOOR SHALL BE IN R.C.C. 1:2:4 MINIMUM 4 1/2" THICK. THE FLOORING SHALL BE LAID WITH HYDRAULICALLY PRESSED CEMENT MOSAIC TILES AND MACHINE POLISHED.
 4. THE WEATHERING COURSE SHALL BE LAID TO SLOPE IN BRICK SELL, LIME CONCRETE AVERAGE 4 1/2" THICK AND FINISHED WITH ONE LAYER OF COUNTRY TILES.

SCHEDULE OF JOINERIES:

D1	3'0" x 7'0" (0.91 x 2.13)	T.W. PANNELED DOOR
D2	3'0" x 7'0" (0.91 x 2.13)	C.W. PANNELED DOOR
D3	2'6" x 7'0" (0.76 x 2.13)	C.W. PANNELED DOOR
W1	3'1 1/2" x 6'6" (0.95 x 1.98)	C.W. GLAZED WINDOW
W2	3'0" x 4'6" (0.91 x 1.37)	C.W. GLAZED WINDOW
W3	4'6" x 4'6" (1.37 x 1.37)	C.W. GLAZED WINDOW
W4	6'0" x 6'6" (1.83 x 1.98)	C.W. GLAZED WINDOW
W5	7'0" x 6'6" (2.13 x 1.98)	C.W. GLAZED WINDOW
W6	8'0" x 6'6" (2.44 x 1.98)	C.W. GLAZED WINDOW
W7	6'7 1/2" x 4'6" (2.02 x 1.37)	C.W. GLAZED WINDOW
W8	5'10 1/2" x 6'6" (1.88 x 1.98)	C.W. GLAZED WINDOW
W9	5'10 1/2" x 4'6" (1.79 x 1.37)	C.W. GLAZED WINDOW
V1	2'6" x 3'0" (0.76 x 0.91)	C.W. GLAZED VENTILATOR

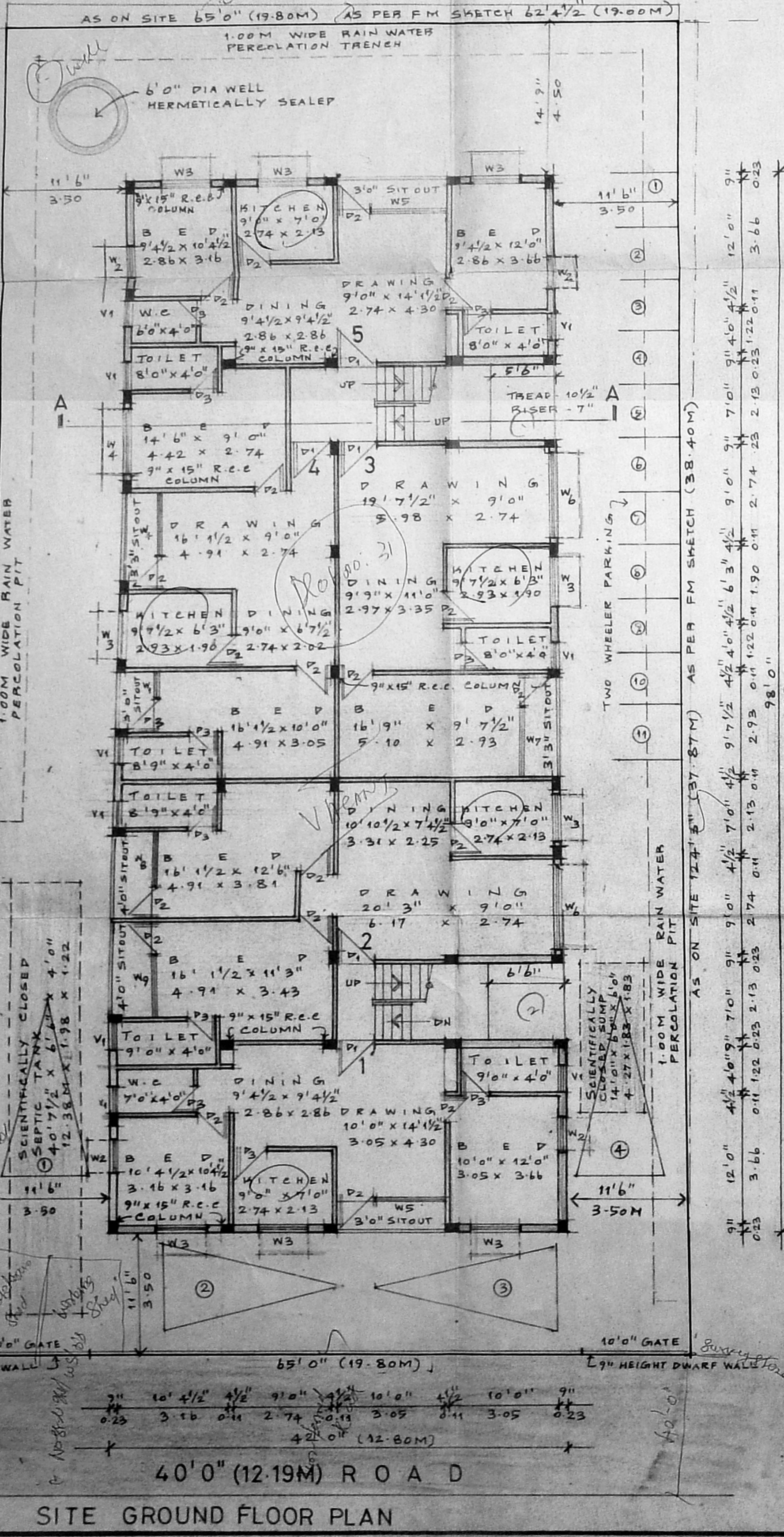
AREA STATEMENTS

	Sq. FT.	Sq. M.
1. PLOT EXTENT	8076.25	750.00
2. F.S.I. PERMISSIBLE 1.50	12114.37	1125.00
3. BUILT UP AREA PROPOSED		
(i) GROUND FLOOR	3903.37	362.63
(ii) FIRST FLOOR	3903.37	362.63
(iii) SECOND FLOOR	3903.37	362.63
4. TOTAL BUILT UP AREA	11710.11	1087.89
5. F.S.I. PROPOSED: 1.45		
6. PLOT COVERAGE: 48.33%		

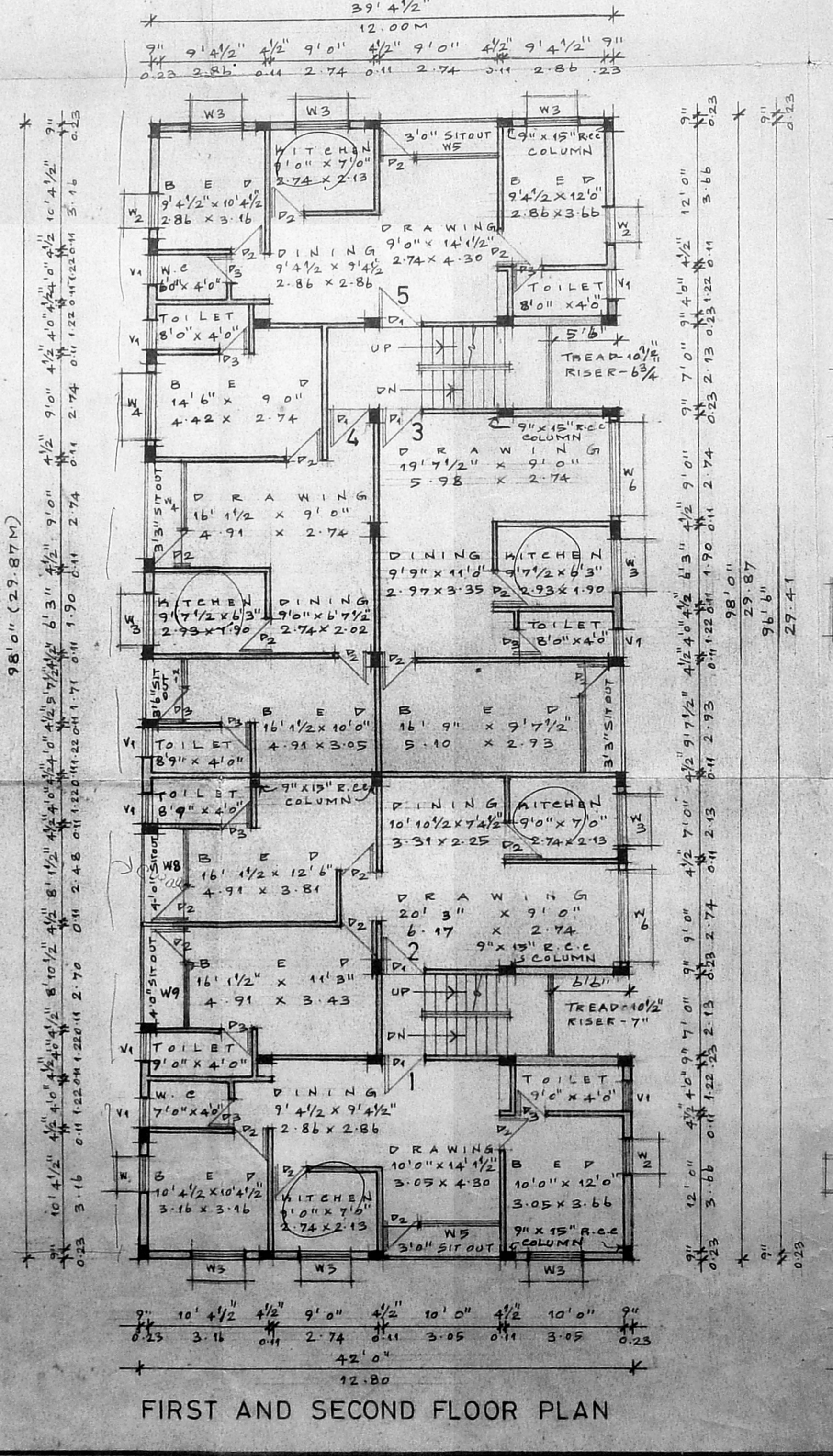
PROPOSED RESIDENTIAL BUILDING
AT PLOT NO. 31, ANNAI INDIRA NAGAR
BEARING S.NO. 281/32 OF
OKKIAM THORAPAKKAM VILLAGE
UNDER ST. THOMAS MOUNT PANCHAYAT
UNION

SIGNATURE OF APPLICANT: [Signature]
SIGNATURE OF LICENSED SURVEYOR: [Signature]
R. DEVANATHAN, B. Arch, M.C.R.
COUNCIL OF ARCHITECTURE
REGISTERED ARCHITECT
REGISTERED ARCHITECT No. 224
CORPORATION OF MADRAS

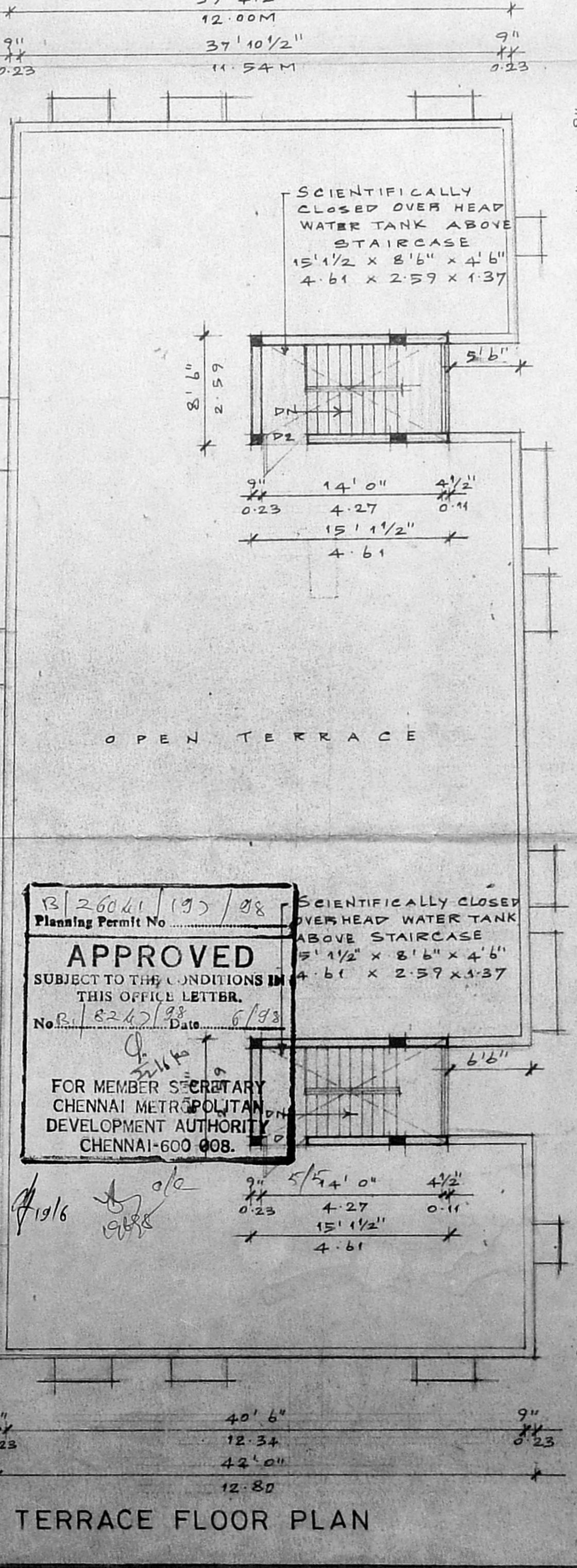
<input type="checkbox"/> PLOT BOUNDARY	<input type="checkbox"/> PROPOSED WORK
<input type="checkbox"/> ACCESS ROAD	
SCALE 1" = 8' 0"	DATE 06-04-98
JOB No.	PRG No. M1
NAME AND ADDRESS OF LICENSED SURVEYOR	
R. DEVANATHAN, B. ARCH, M.C.R. No. 23, FIRST FLOOR MOHAMMIA COMPLEX No. 4, LADY DRSINA ROAD MYLAPORE CHENNAI - 600 004.	



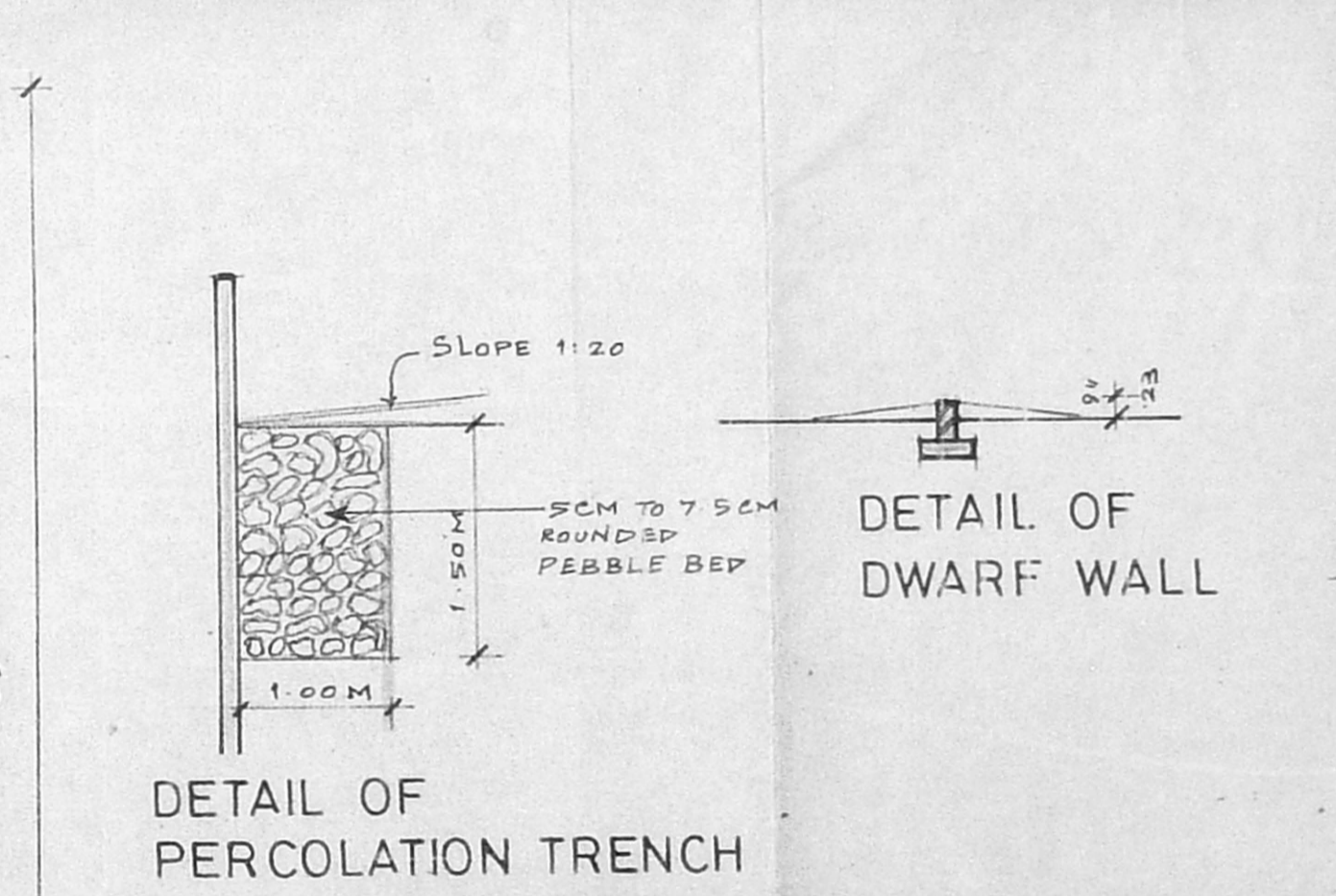
SITE GROUND FLOOR PLAN



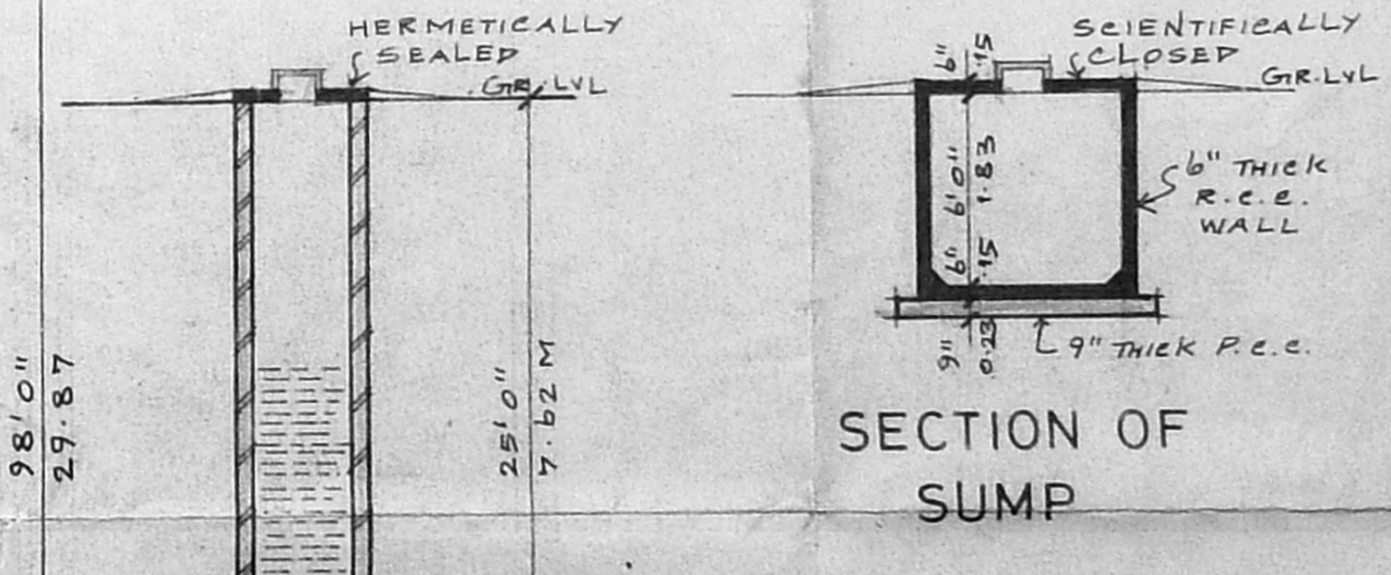
FIRST AND SECOND FLOOR PLAN



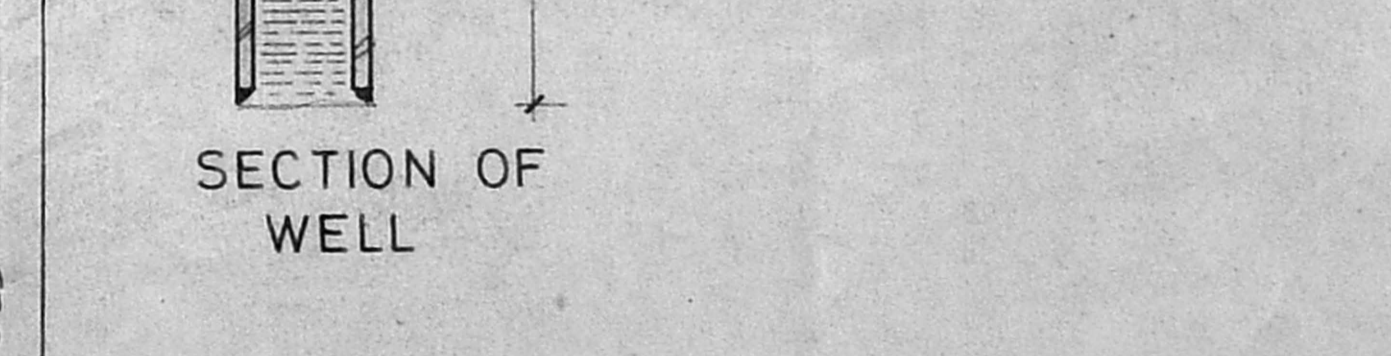
TERRACE FLOOR PLAN



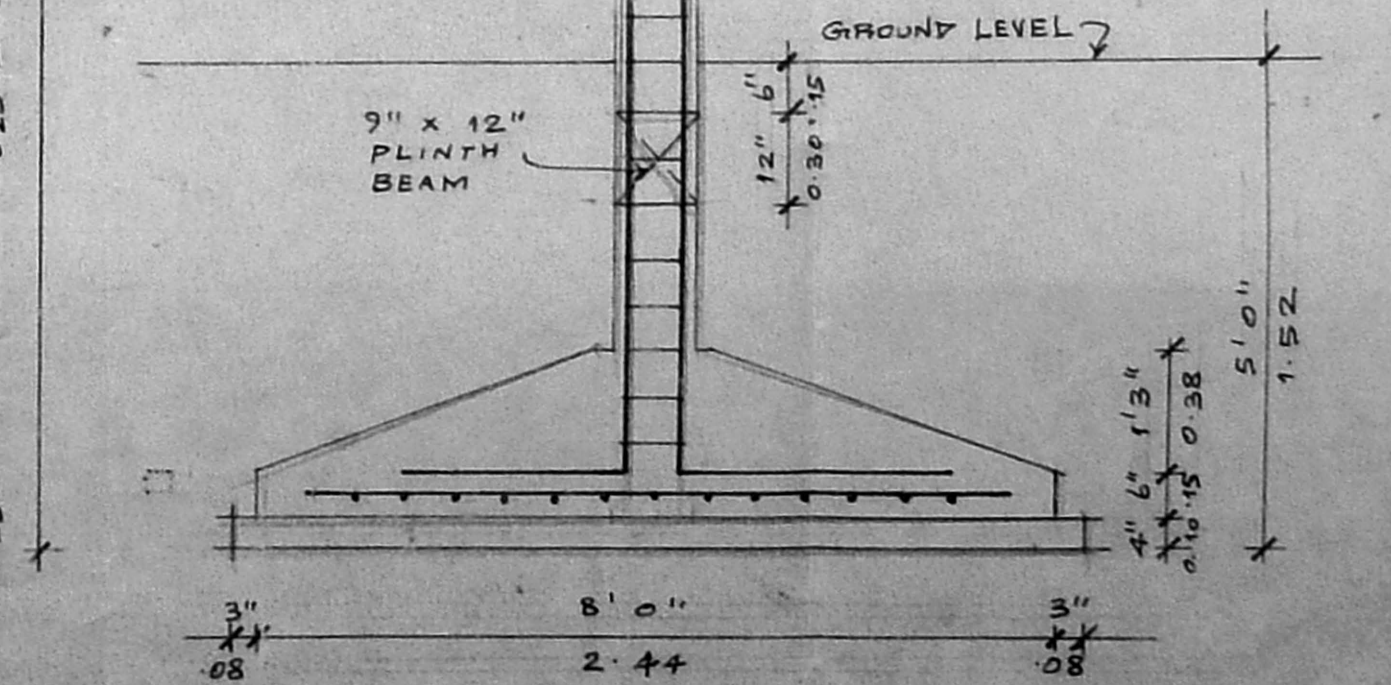
DETAIL OF PERCOLATION TRENCH



SECTION OF SUMP



SECTION OF WELL



DETAIL OF COLUMN FOOTING

Planning Permit No. B/26041/195/98
APPROVED
SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER.
No. B/242/98 Date 6/98
FOR MEMBER SECRETARY
CHENNAI METROPOLITAN
DEVELOPMENT AUTHORITY
CHENNAI-600 008.