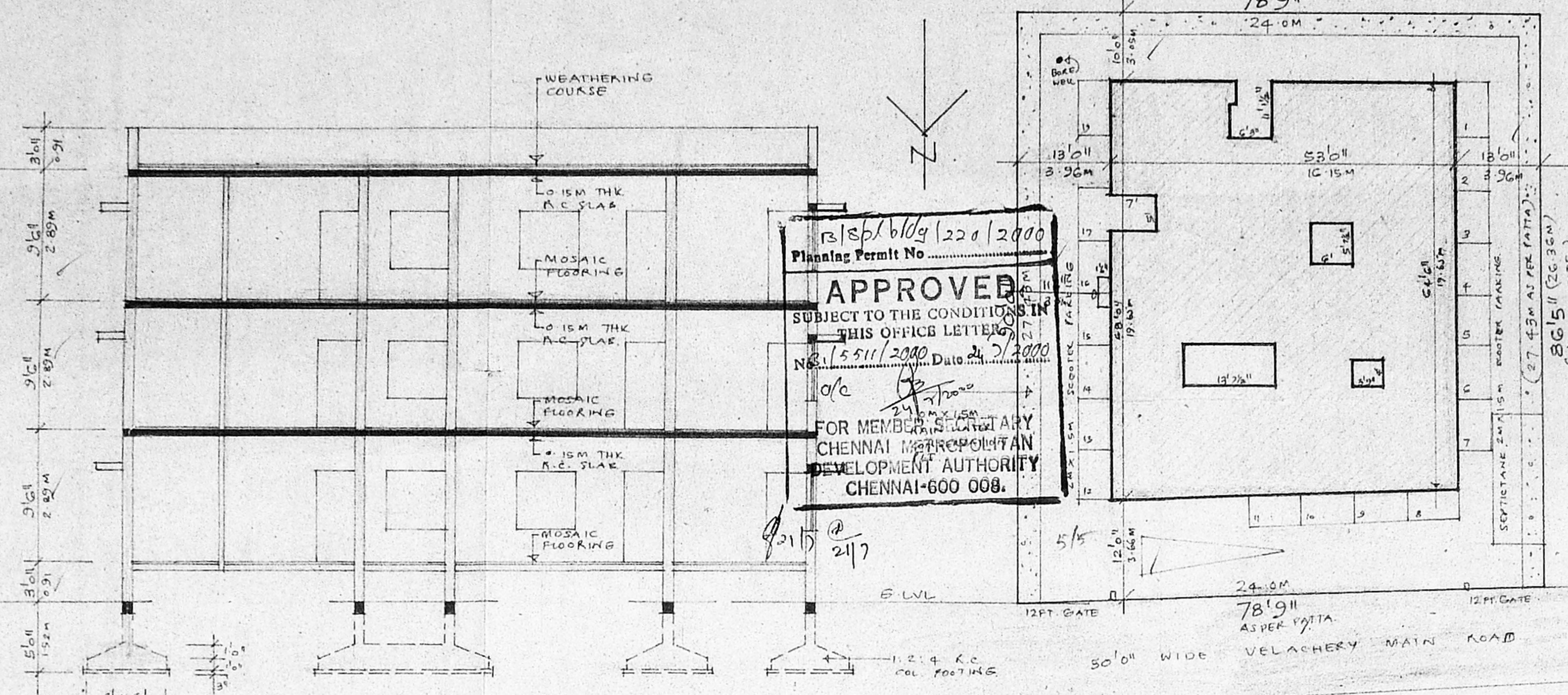
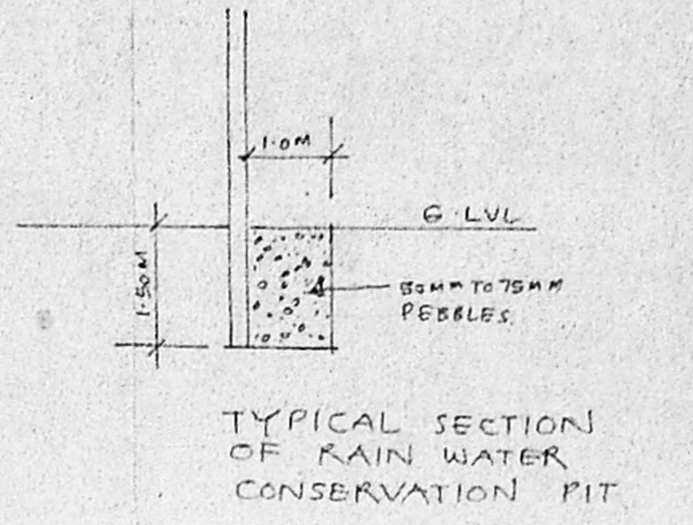


FRONT ELEVATION.
SCALE 1/8" = 1' (1:100)

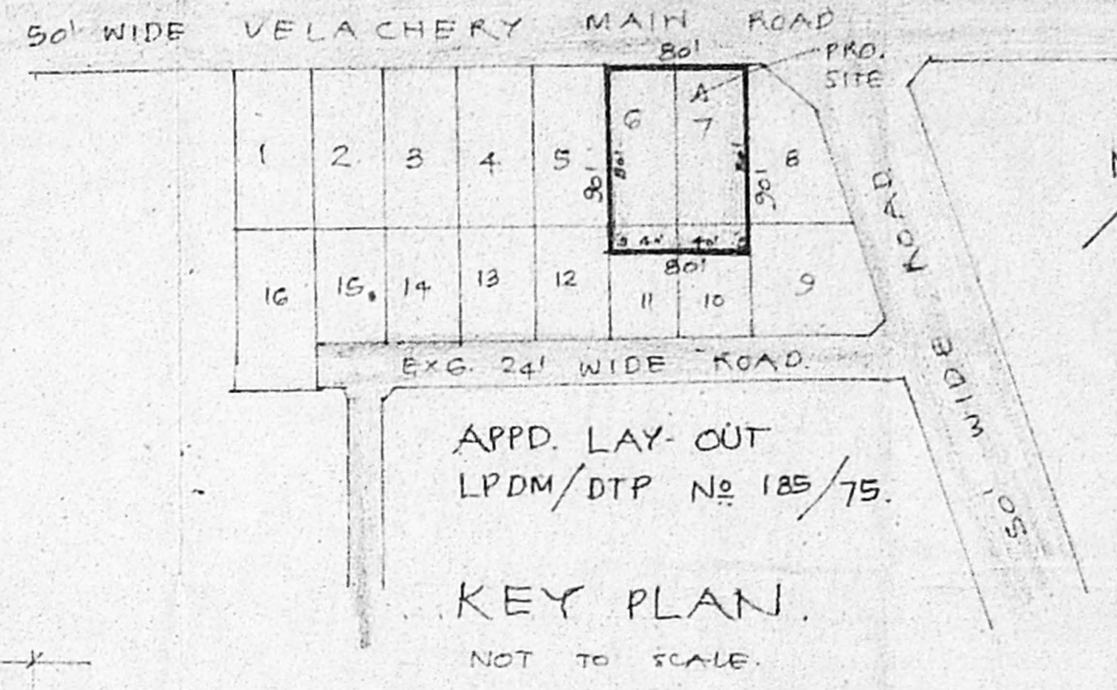


SECTION A-A

13/56/6109/220/2900
Planning Permit No. 13/56/6109/220/2900
APPROVED
SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTERS No. 15511/2000 Dated 20/5/2000
FOR MEMBER SECRETARY CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY CHENNAI-600 008.

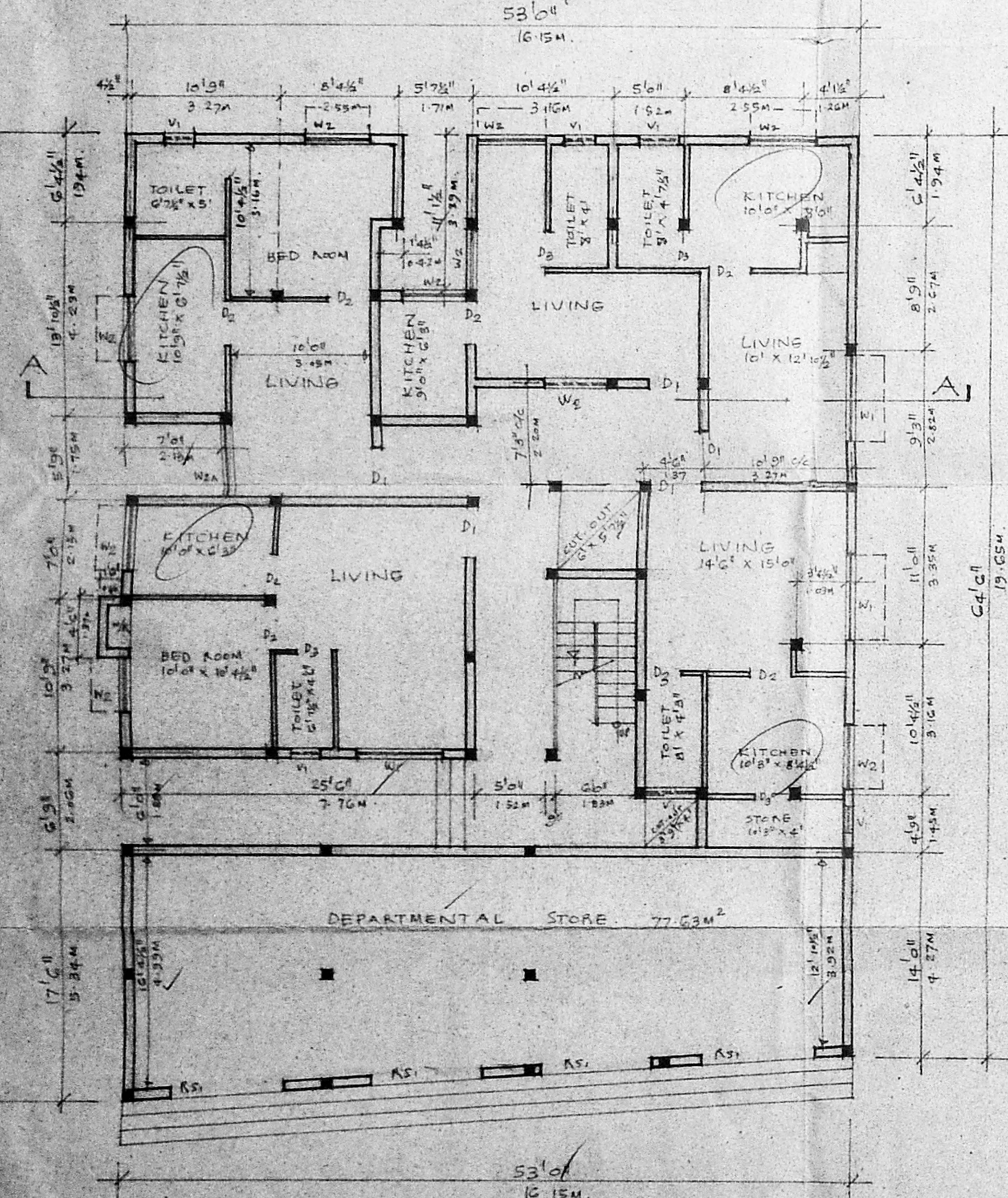


TYPICAL SECTION OF RAIN WATER CONSERVATION PIT

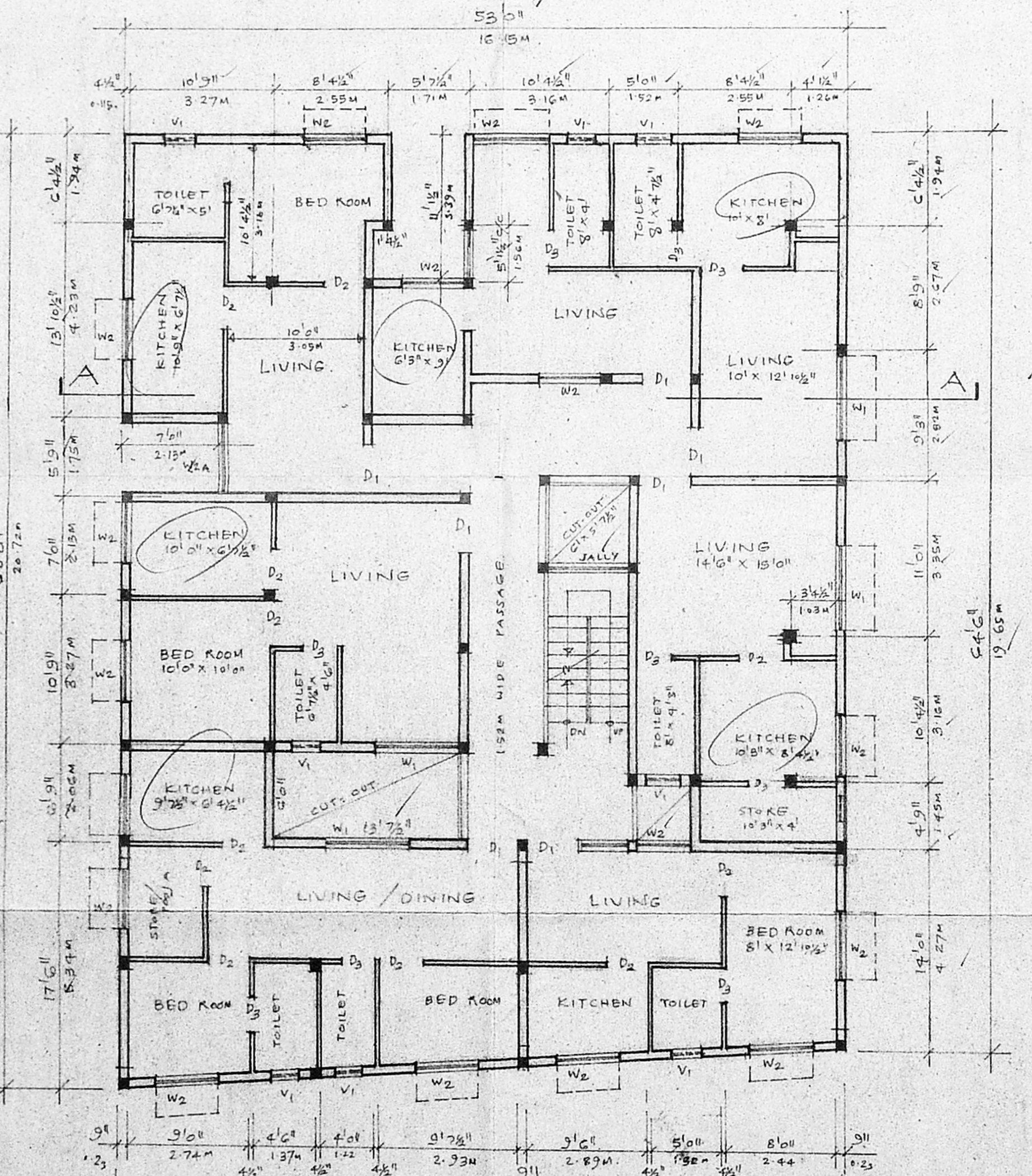


SITE PLAN.
SCALE 1/16" = 1' (1:200)

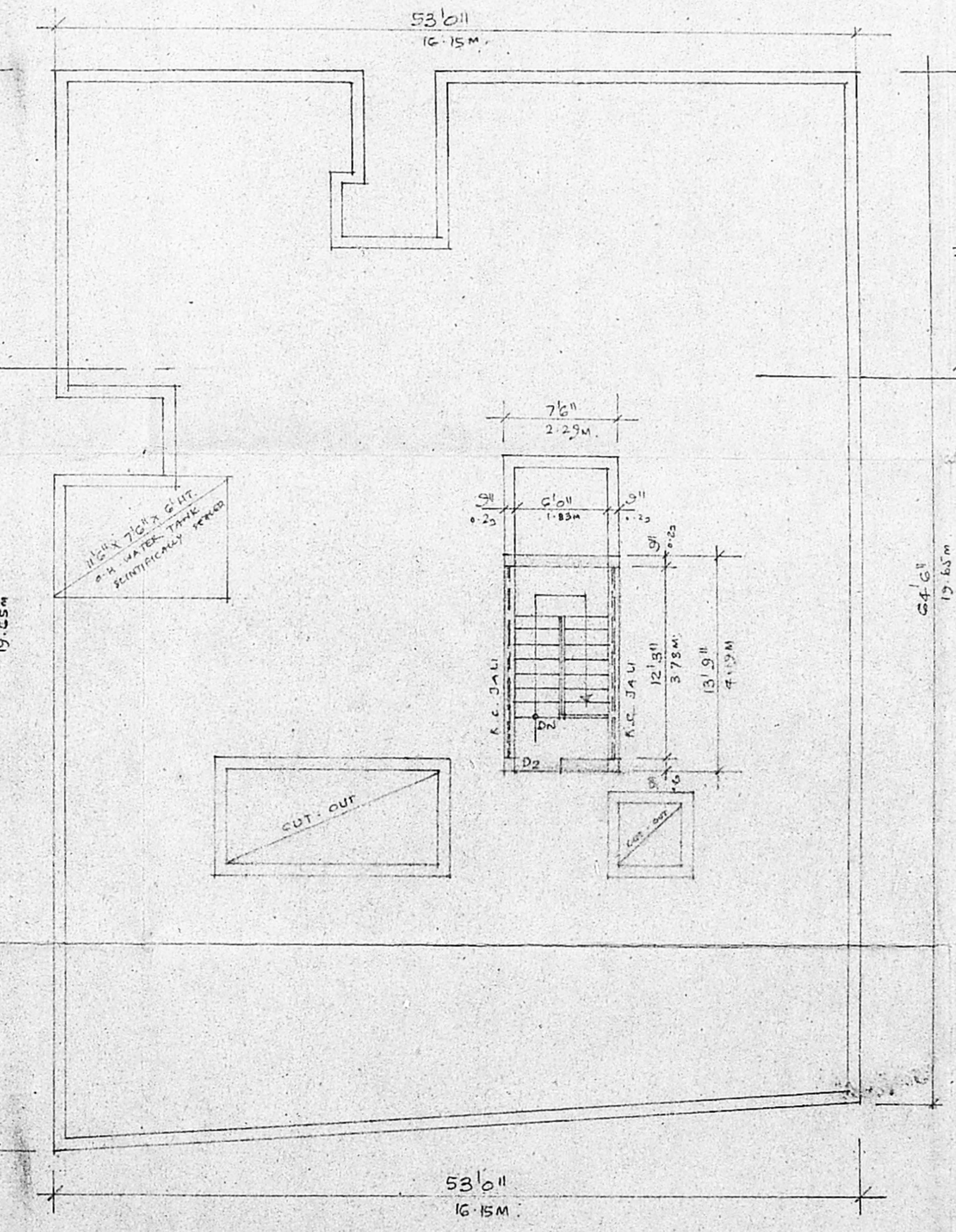
KEY PLAN.
NOT TO SCALE.



GROUND FLOOR PLAN.



FIRST & SECOND FLOOR PLAN.
SCALE 1/32" = 1' (1:100)

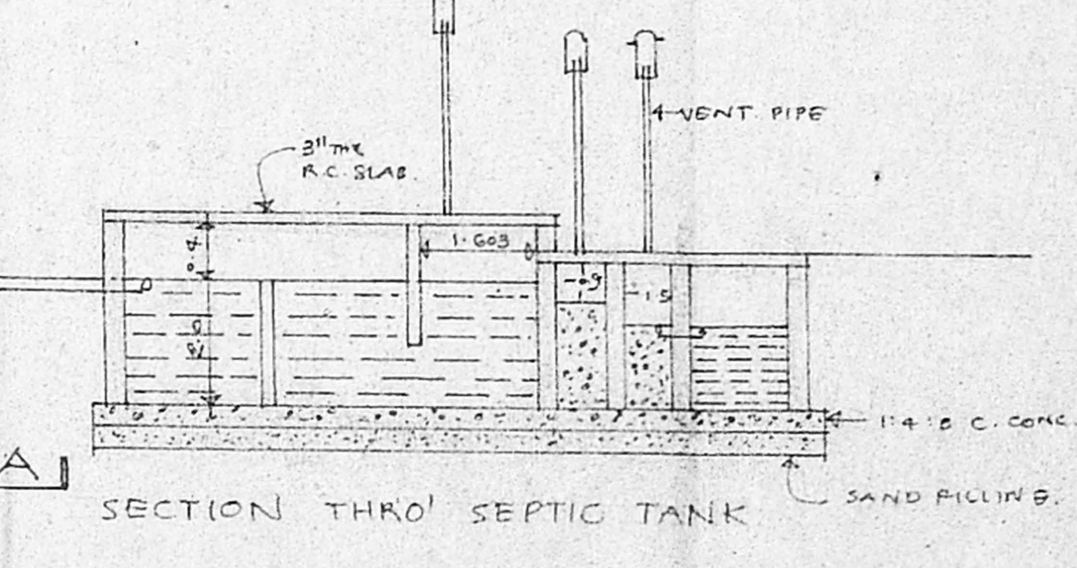


TERRACE FLOOR PLAN.
SCALE 1/8" = 1' (1:100)

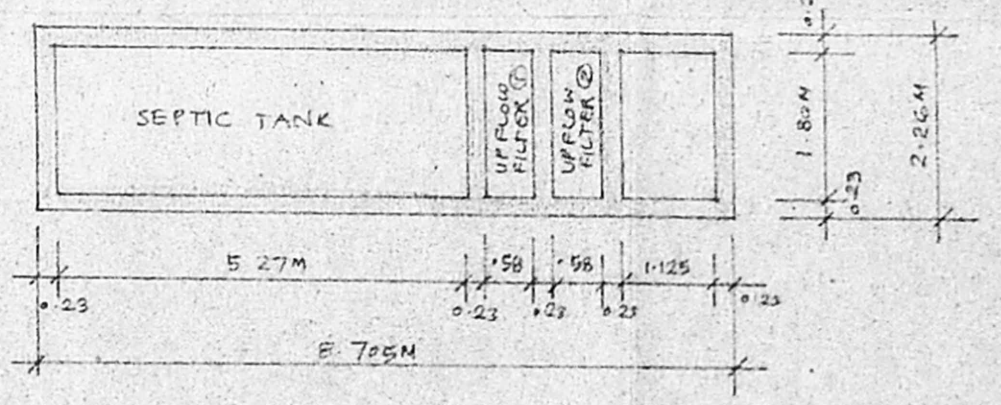
STATEMENT OF BUILT UP AREA
GROUND FLOOR AREA : 781.91 m²
FIRST FLOOR AREA : 292.67 m²
SECOND FLOOR AREA : 292.67 m²
TOTAL AREA : 871.97 m²
PLOT AREA : 659.13 m²
COVERAGE : 44% FSI

Revised Plan
Dt: 6/12/2000
CMDA (B) No. 1
C.No. B. 5511/216
Asst. P.A.
Scrutiny P.A.

DESIGN OF SEPTIC TANK & UP FLOW FILTERS.
NO OF PEOPLE = 19 + DPL = 19 + 1 = 20 PERSONS.
NO OF USE = 24x5 = 120 PERSONS.
RATE OF WATER SUPPLY IS = 150 LPH/DAY.
THEN FLOW OF SEWAGE PER DAY = 120x150 = 18000 LITERS.
RETENTION PERIOD IS = 18 HRS.
TANK CAPACITY = 18000x18/24 = 13500 LITERS.
THE TANK IS TO BE CLEANED EVERY YEAR SO SLUDGE STORAGE CAPACITY AT THE RATE OF 15 LITERS FOR PERSON PER YEAR.
TOTAL TANK CAPACITY = 120x15 = 1800 LITERS = 18000 + 1800 = 19800 LITERS.
WITH PROVISION FOR FUTURE EXPANSION, LET THE TOTAL TANK CAPACITY BE 20000 LITERS (20x20x20).
SEPTIC TANK HAVING A CAPACITY OF 20M³
DEPTH OF LIQUID IS = 2.0M
PLAN AREA OF THE TANK = 19/2 = 9.5M²
THE RATIO OF LENGTH TO WIDTH OF TANK BE 3
LENGTH X BREADTH X 3 = 9.5M²
BREADTH OF TANK = 1.8M
LENGTH OF TANK = 5.27M
TOTAL DEPTH OF TANK = 2.0 + 0.4 = 2.4M
PROVIDE SEPTIC TANK SIZE 5.27x1.8x2.4M.
UP FLOW FILTERS :
DISCHARGE FOR 200 PERSONS = 30000 LITERS
VOLUME = 200x0.45 = 90M³
DEPTH = 1.1 - 0.30 = 0.80M
PLAN AREA REQUIRED = 90/0.8 = 112.5M²
SIZE OF THE UP FLOW FILTERS = 1.125x1.4x1.1
UP FLOW FILTER NO 1 = 0.58x0.7x0.8
UP FLOW FILTER NO 2 = 0.58x0.7x0.8



SECTION THRO' SEPTIC TANK



PLAN OF SEPTIC TANK.

SCHEDULE OF JOINERY.

D1	36" x 76"	T.W. FLUSH DOOR
D2	36" x 76"	T.W. FLUSH DOOR
D3	24" x 76"	T.W. PANELED DOOR
W1	66" x 46"	T.W. GLAZED WINDOW
W2	46" x 46"	T.W. GLAZED WINDOW
W3	36" x 46"	T.W. GLAZED WINDOW
V1	24" x 24"	T.W. GLAZED VENTIL.
R5	86" x 76"	M.S. ROLLING SHUTTER

PROPOSED WORK
PLOT OUT LINE

PROPOSED RESIDENTIAL BUILDING FOR

MR. P. SURESH,
AT MADIPAKKAM-VELACHERY MAIN ROAD,
S. No. 217/2A2, PLOT Nos. 6, 7,
10P6 & 11P6, OF MADIPAKKAM VILLAGE, TAMBARAM TALUK,
APPD. LAY-OUT LPDM/DTP No. 185/75.

Signature of Owner

Signature of Licensed Surveyor

M. C. SURESH
CLASS-1 LICENSED SURVEYOR
No. 129/233-2331
CORPORATION OF CHENNAI
81, Usman Rd., 454 1990.