

REVISED PLAN SHOWING THE PROPOSED RESIDENTIAL BUILDING AT PLOT NO. 89 NEW NO. 19 1ST MAIN ROAD NANGANALLUR VILLAGE S. NO. 20/4A & 4A₂ TS NO. 77 BLOCK NO. 31 SAIDAPET TALUK CHENGALPUT DISTRICT CHENNAI 600061

REVISOR'S PLAN
Dt. 15.10.2000
CMDA B/1 No. 1
C.No. B. 27.66.1/2000
Asst. 75mm dwarf wall
Survey No. 4/11
D.P.

FOR MRS REVATHI & OTHERS
SPECIFICATION
FOUNDATION RCC COLOUM OVER P.C.C 1:4:8 & SAND
FLOORING FLOOR FINISH OVER P.C.C AND SAND
STRUCTURE BRICK WORK WITH CM15
PLASTERING WITH CM 1:4 MIX
ROOF SLAB WITH RCC 1:2:4 MIX
W COURSE TWO LAYER OF PRESSED TILES OVER BRICK JELLY WITH LM
JOINERY WITH BEST INDIAN TEAK WOOD

JOINERY	DESCRIPTION	SIZE
MD	MAIN DOOR	3'6" x 7'9"
D	DOOR	3'0" x 7'0"
D _i	DOOR	2'6" x 7'0"
W _o	WINDOW	8'0" x 4'6"
W	WINDOW	6'0" x 4'6"
W _i	WINDOW	4'0" x 4'6"
KW	KITCHEN WINDOW	4'0" x 3'6"
V	VENTILATOR	3'0" x 2'0"

AREA STATEMENT	VALUE
LAND EXTENT	10746.5
LAND EXTENT	10652

GROUND FLOOR AREA	3498
TYPICAL FLOOR AREA	3638
PENT HOUSE AREA	2154
TOTAL	15890
F S I	1.49

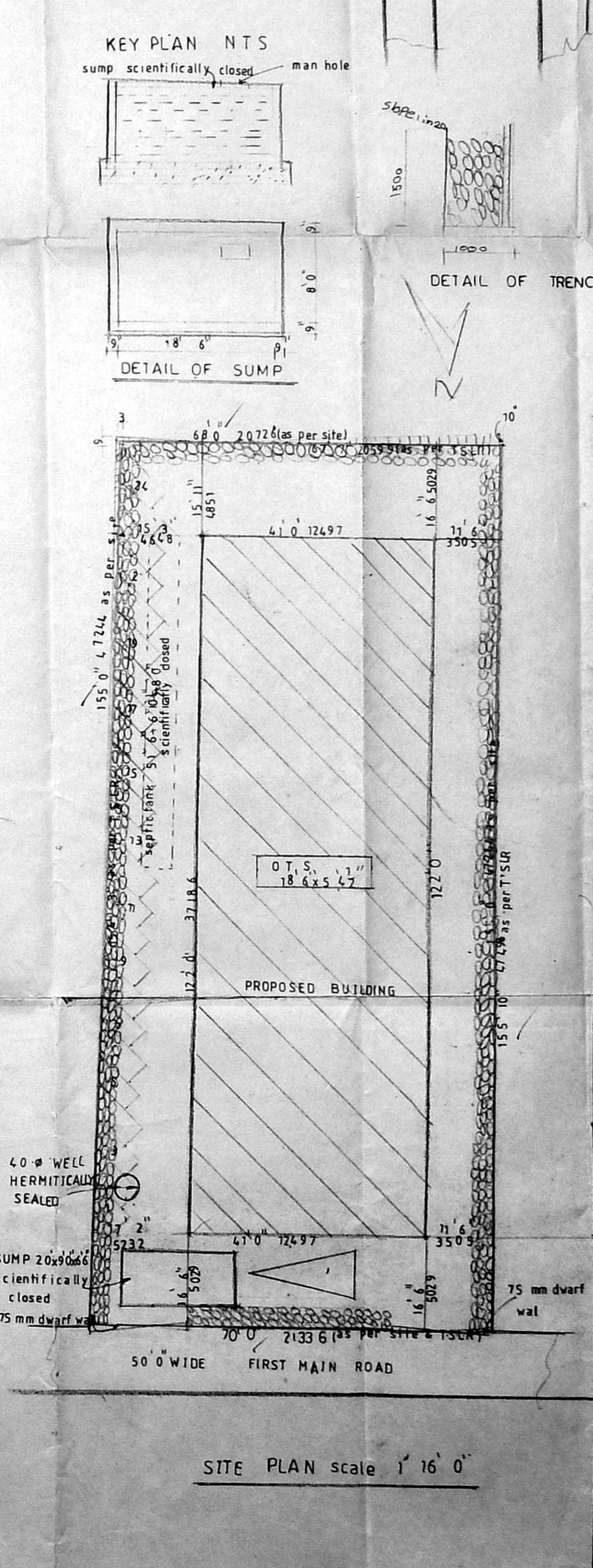
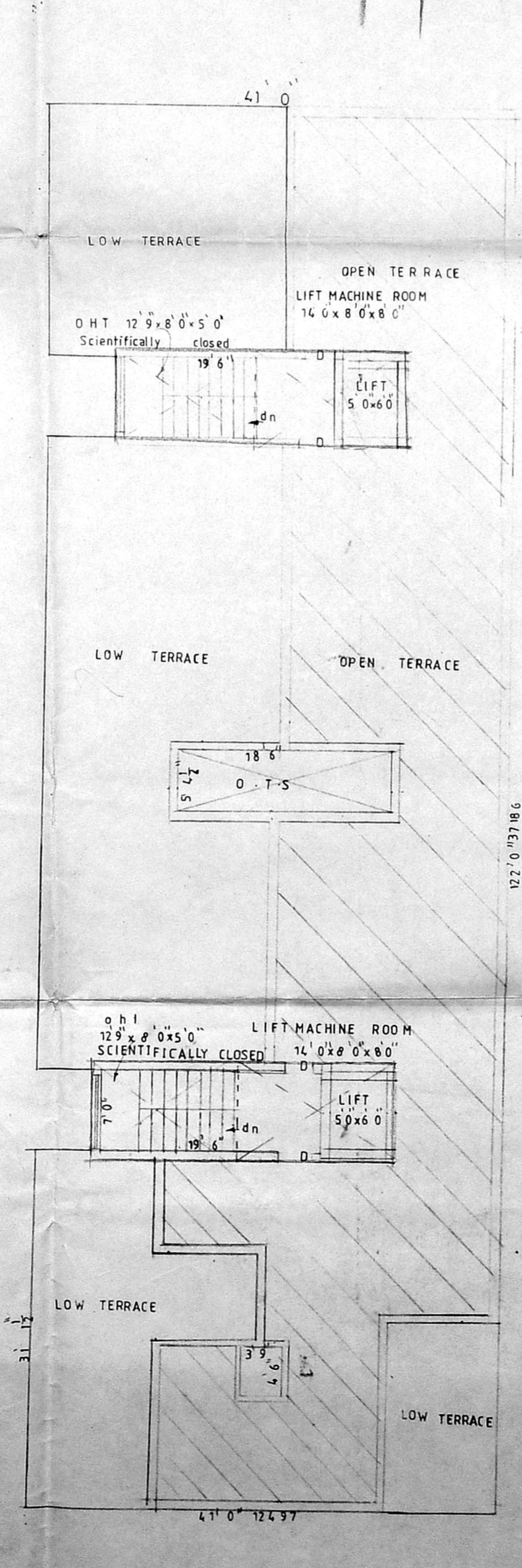
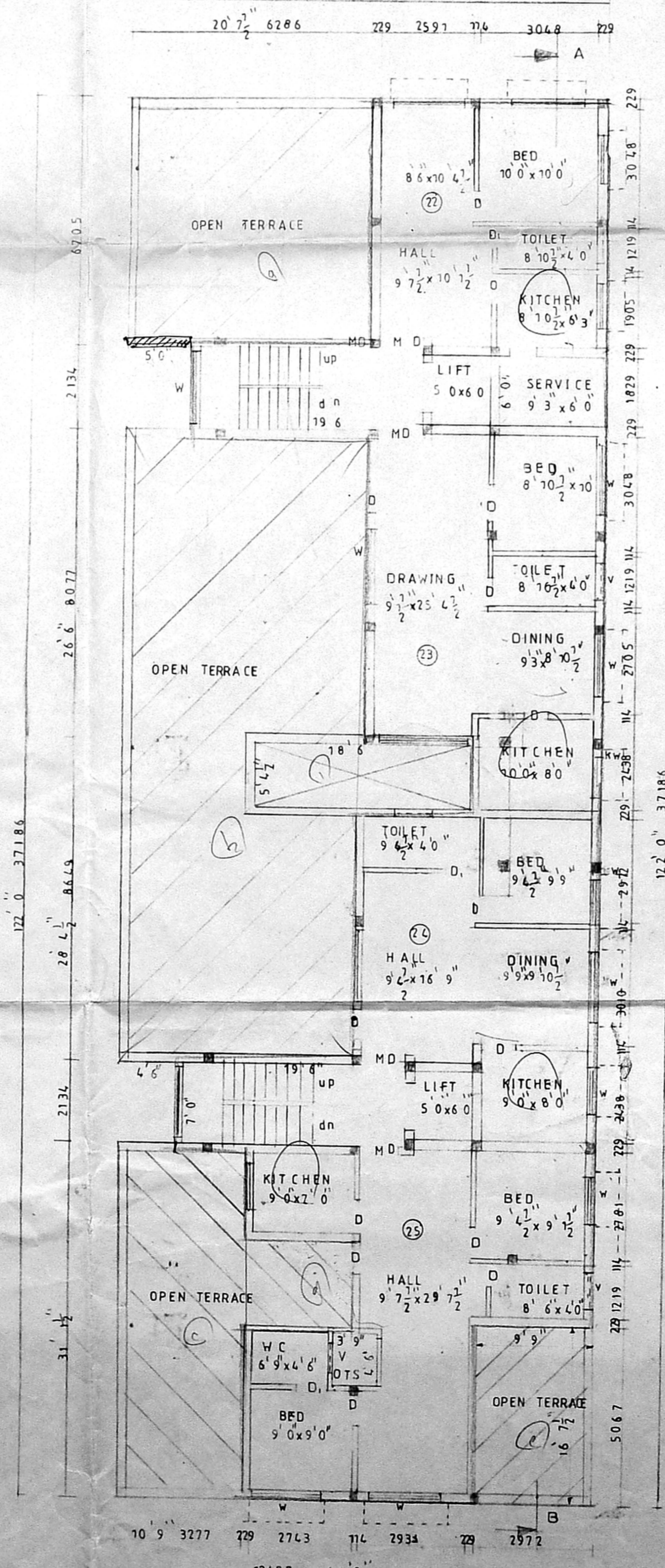
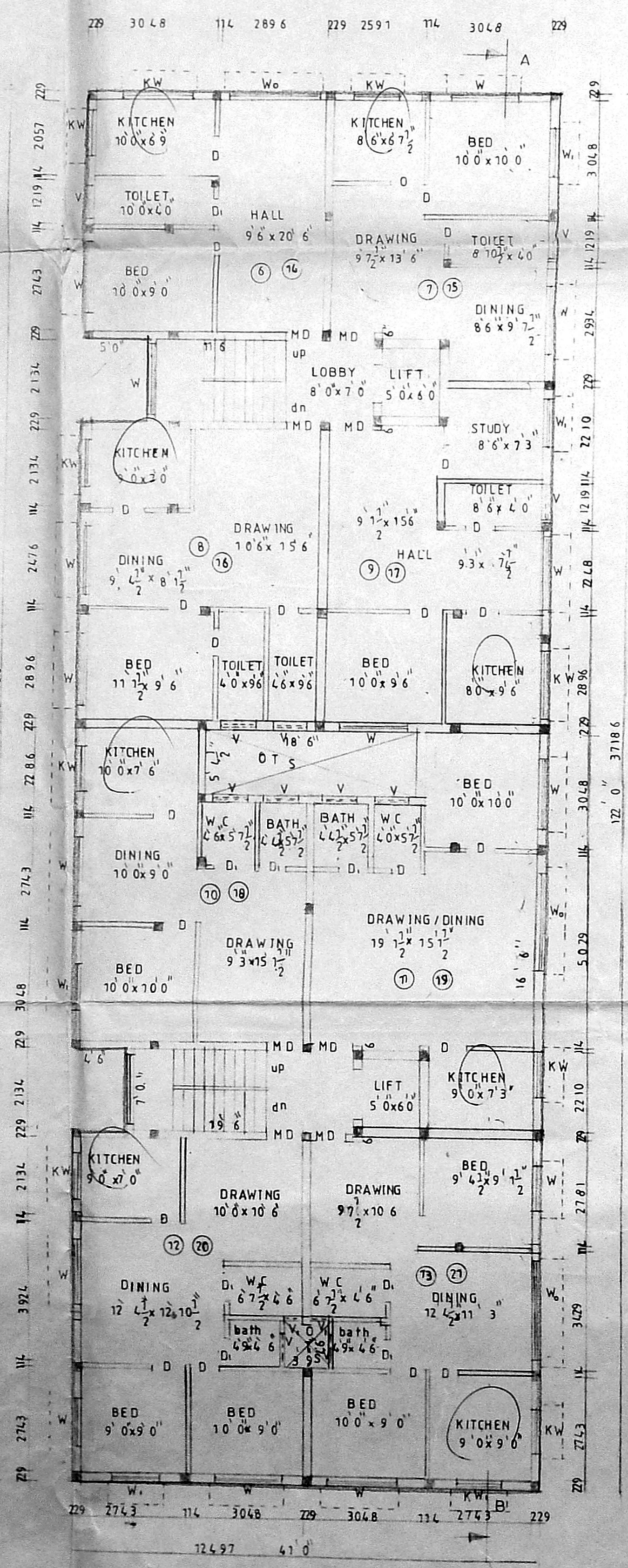
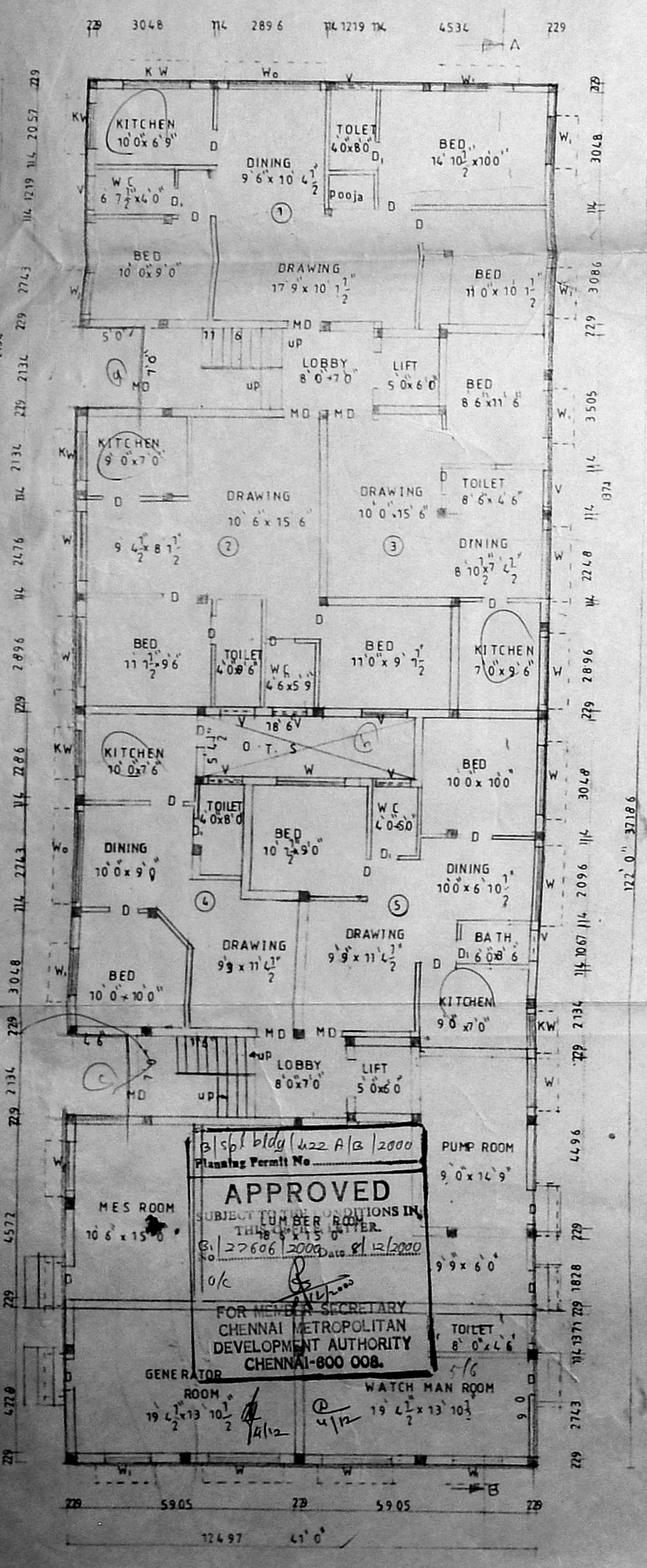
COLOR INDEX	PRO COLOR	ROAD COLOR	SITE COLOR
	○	○	○

DATE SCALE 1" = 8' 0"

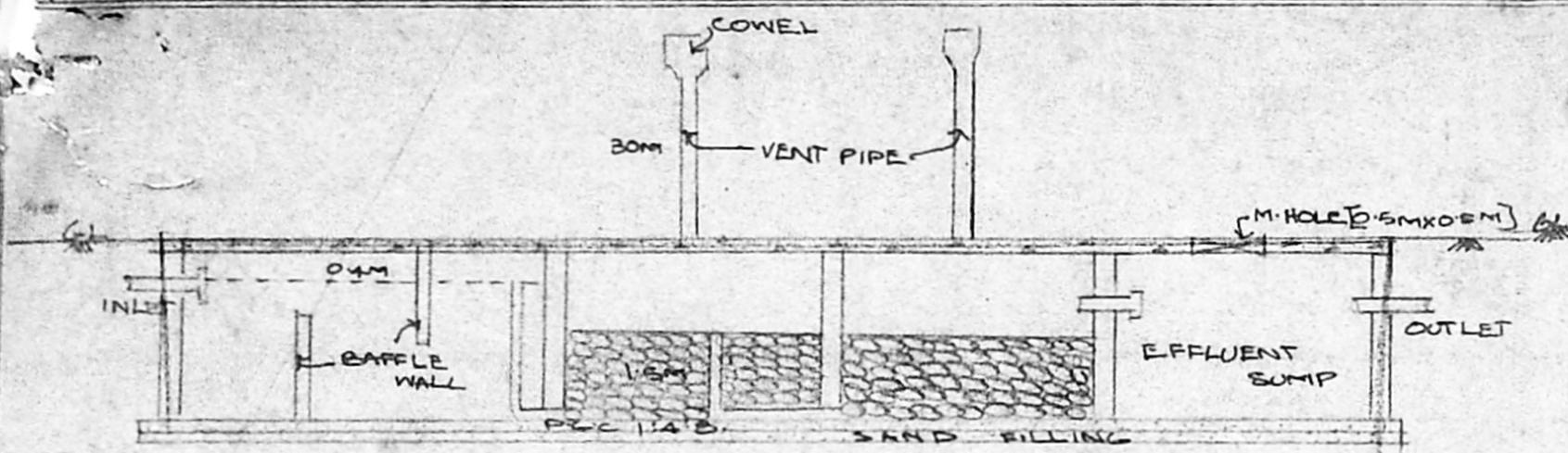
OWNER
K. Subramanyam

ARCHITECT
C. SUBRAMANYAM, G.O. ROAD
ALLA, P.H. # 4
Registered Architect
Council of Architects
R. A. No. 238
74, Bazullah Road
T. Nagar, Madras - 600 017
LICENCED SURVEYOR

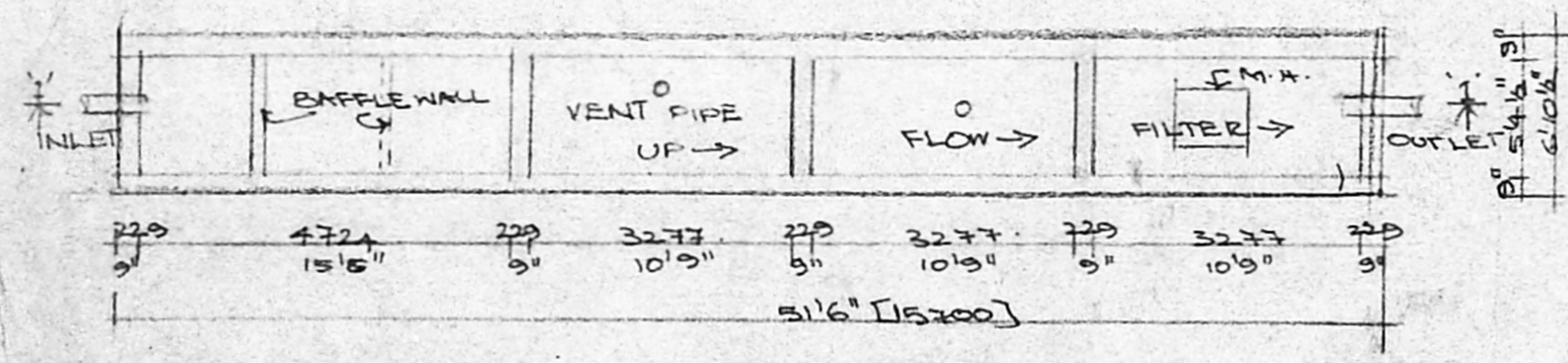
architects
SRINIVASA ENTERPRISES
74 BAZULLAH ROAD
T NAGAR CHENNAI 7



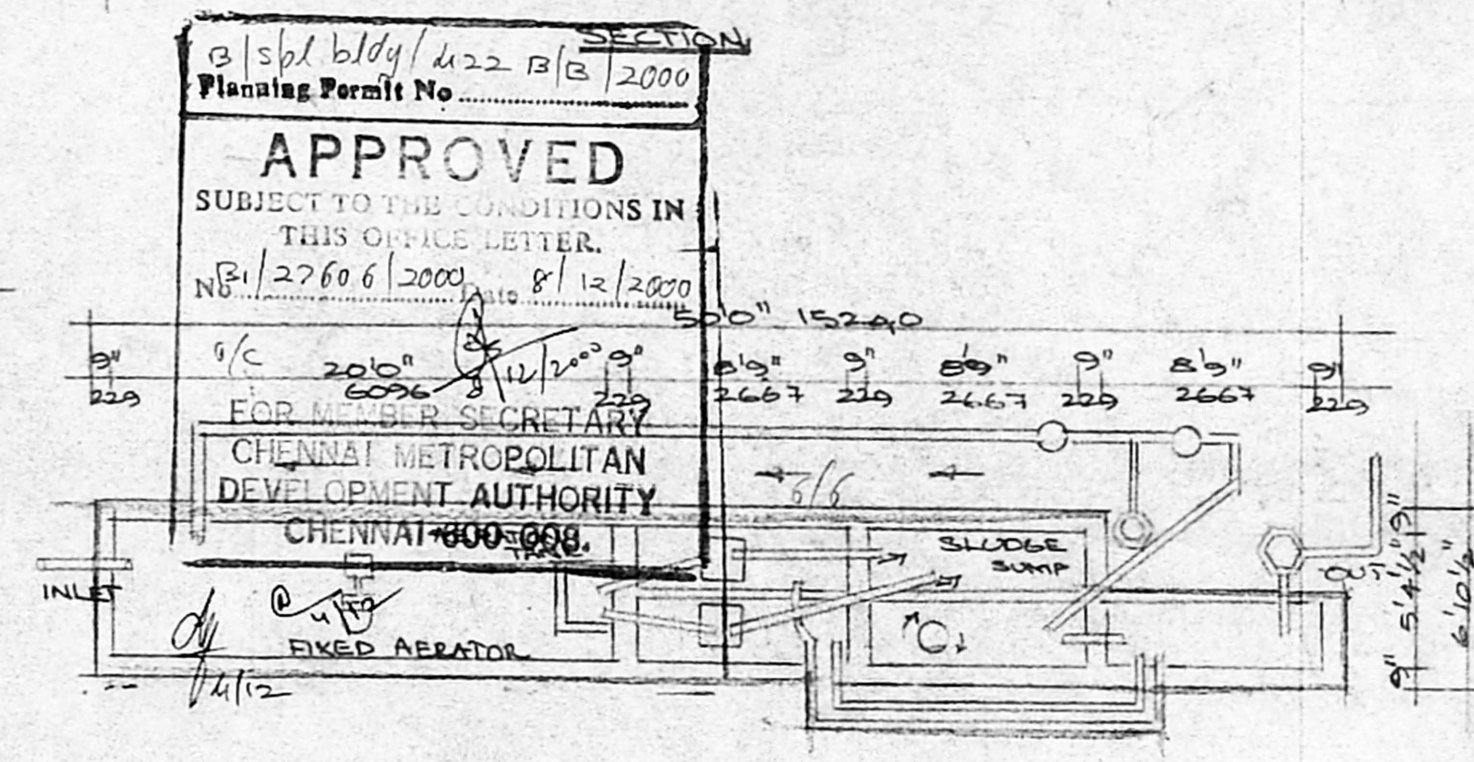
KEY PLAN NTS
DETAIL OF TRENCH
DETAIL OF SUMP



SECTION ON "1-1"



PLAN OF SEPTIC TANK SCALE: 1"=8'0"



DETAILS OF PROPOSED ACTIVATED SLUDGE TANK

SCALE: 1"=8'0"

DESIGN OF SEPTIC TANK TO UP FLOW FILTER:-

NO. OF DWELLINGS: 25 NOS.
 NO. OF USERS: 25 X 5 = 125 PERSONS.
 RATE OF WATER SUPPLY: 100 LPH/DAY.
 THEN FLOW OF SEWAGE: 100 X 125 = 12500 LPH
 : 16875 LTS.
 DETENTION PERIOD: 18 HRS
 TANK CAPACITY: $16875 \times 18 = 1265625 \text{ LITS.}$
 $\frac{1265625}{24}$

THE TANK TO BE CLEANED EVERY YEAR. SO SLUDGE STORAGE CAPACITY NOT THE RATIO OF 13.5 LITS FOR NO. PERSON $\frac{27606}{2000}$
 Asst. = $125 \times 13.5 = 16875$
 TOTAL CAPACITY = $1265625 + 16875 = 1282500$ LITS.
 Scrutiny = 15000 LITS

WITH PROVISION FOR FUTURE EXPANSION LET THE TANK CAPACITY BE = 15,000 LITS
 DEPTH OF THE TANK LIQUID LEVEL AS 2M.
 PLAN AREA OF THE TANK $\frac{15000}{2 \times 2.5} = 1500 \text{ sqm}$
 THE RATIO OF THE LENGTH TO THE BREADTH OF THE TANK BE = 3

LENGTH = BREADTH X 3
 $L \times B = 7.5 \text{m}^2 \rightarrow b \times 3b = 7.5$
 $b^2 = \frac{7.5}{3} = 2.5$
 $b = \sqrt{2.5} = 1.581$
 LENGTH = $b \times 3 = 1.581 \times 3 = 4.743 \text{m}$ [15'9"]
 FREE BOARD OF THE TANK = 0.4m.
 TOTAL DEPTH OF THE TANK = $2.0 \text{m} + 0.4 \text{m} = 2.4 \text{m}$.

PROVIDE SEPTIC TANK SIZE:
 $[L \times B \times D] = 4.743 \text{m} \times 1.581 \text{m} \times 2.4 \text{m}$
 UP FLOW FILTERS
 DISCHARGE FOR 125 PERSONS. = $125 \times 75 = 9375$
 VOLUME = $125 \times 0.25 = 31.25 \text{m}^3$
 DEPTH = $2.0 - 0.5 = 1.5$
 PLAN AREA REQUIRED = $\frac{31.25 \text{m}^3}{1.5} = \frac{15.625}{3} = 5.21 \text{m}^2$
 BREADTH = $1.581 \text{m} - L = \frac{5.21}{1.581} = 3.295 \text{m}$
 SIZE OF THE EFFLUENT SUMP = $3.295 \text{m} \times 1.581 \text{m} \times 2.0 \text{m}$
 UP FLOW FILTER I = $3.295 \text{m} \times 1.581 \text{m} \times 2 \text{m}$
 UP FLOW FILTER II = $3.295 \text{m} \times 1.581 \text{m} \times 2 \text{m}$

DESCRIPTION	LENGTH m	BREADTH m	DEPTH m
SEPTIC TANK	4.743	1.581	2.4
UP FLOW FILTER I	3.295	1.581	2.0
II	3.295	1.581	2.0
UP FLOW FILTER III [OR] EFFLUENT SUMP	3.295	1.581	2.0

B/spl bldg/ u22 B/B/2000
 Planning Permit No.
APPROVED
 SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER.
 NB/27606/2000, 8/12/2000
 500" 15240
 20'0" 6096, 12'2" 3708, 8'9" 2667, 9" 229, 8'9" 2667, 9" 229, 8'9" 2667, 9" 229
 FOR MEMBER SECRETARY
 CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY
 CHENNAI-600 008.

PROPOSED RESIDENTIAL BUILDING AT PLOT NO. 89, [NEW NO. 19] 1st MAIN ROAD, NANGANALLUR VILLAGE SAIDAPET TALUK CHENGALPUT DISTRICT, CHENNAI-600061
 SI-NO: 20/4A, & 4A2 T.S. NO. 77. BLOCK NO. 31.
 FOR MRS. REVATHI & OTHERS.

COLOUR INDEX:
 PROPOSED : ○
 EXISTING : ○
 SCALE: 1"=8'0"
 DATE: 23.09.2000.

Revathi Seshadri
 OWNER.

K. Subramanyam
 ARCHITECT
 K. SUBRAMANYAM, U.D., ARCH. A.I.I.A., F.I.H.R.A.
 Registered Architect
 Council of Architects
 R. A. No: 296
 74, Bazullah Road
 T. Nagar, Madras - 600 017
 LICENCED SURVEYOR.

ARCHITECTS:
 KRINIVASA ENTERPRISES,
 NO. 74, BAZULLAH ROAD,
 T. NAGAR, CHENNAI-17.
 PH: 8254962.