

R.P. dt. 3/4/78.

AREA STATEMENT	SQ. FT.	SQ. M.
PLOT AREA	33140.0	3079.92
GROUND FLOOR AREA	1392.00	128.72
* ELECTRICAL GENERATOR & SECURITY ROOM	46.50	4.30
FIRST FLOOR AREA	1542.32	142.32
SECOND FLOOR AREA	1542.32	142.32
THIRD FLOOR AREA	122.50	11.32
TOTAL AREA	5745.64	530.68
C.M.D.A. P/PP NO. B3/2589/78		
X (NOT INCLUDED IN AREA)		

F.S.1 = 1:496
PLOT COVERAGE = 50.08%

PROPOSED RESIDENTIAL FLATS AT PLOT NOS 24, 25, 26, 27, 28, 33, 34, 35, 36 & 37 SELVAM NAGAR, MADHAVARAM VILLAGE, CHENNAI.
R.S. NOS : 1176/2, 1176/3.

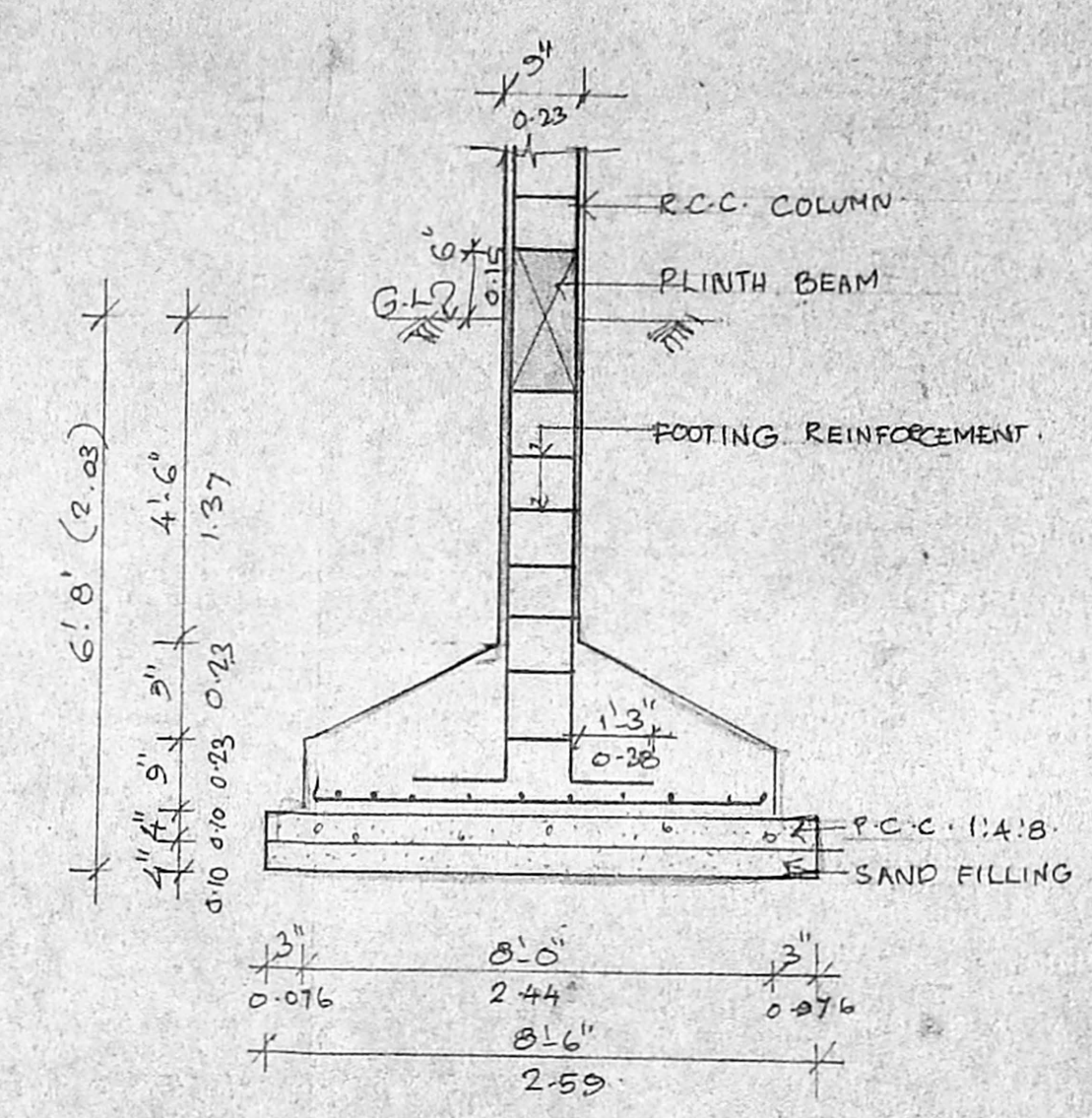
NOTE:- C.M.D.A. PREVIOUS SANCTION LY. NO: B3/28293/96 DATED 17-12-97 PLANNING PERMIT NO: B/25627/426 A TO G/97, DATED 17-12-97

SITE PLAN	
COLOUR INDEX	
PROPOSED ROAD	[Symbol]
BOUNDARY	[Symbol]
SEWAGE LINE	[Symbol]

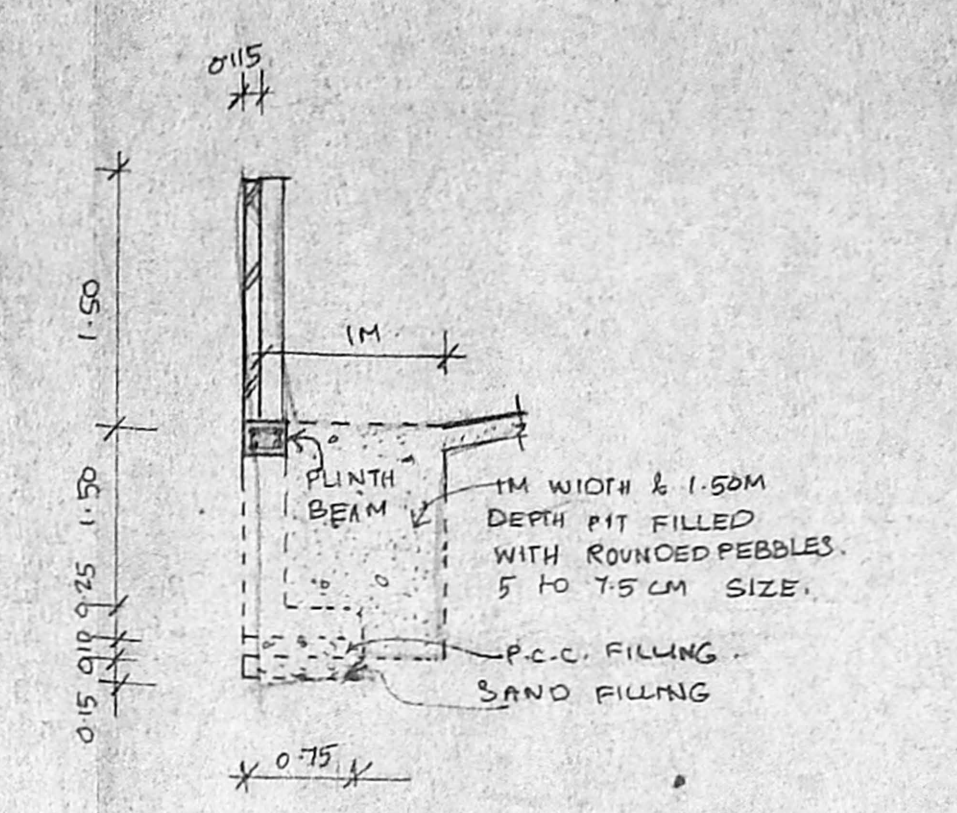
NORTH
[Compass Rose]
OWNER'S SIGNATURE
A. Muthu

SCALE: 1:200 & 1:50
JOB NO: 566
DATE: 7.8.96
DEG NO: 1
DRAWN: Phannu
CHECK: R.S.

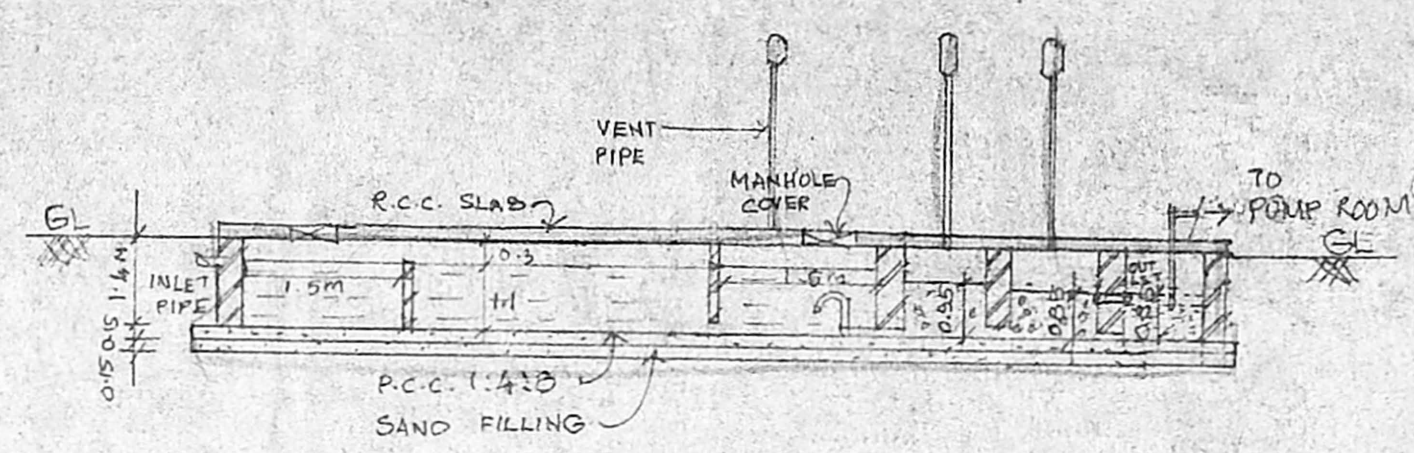
ARCHITECT
R. SATHYANARAYANA, B. Arch.,
COUNCIL OF ARCHITECTURE
C.A. NO. 86/9895
U-12 ANNA NAGAR



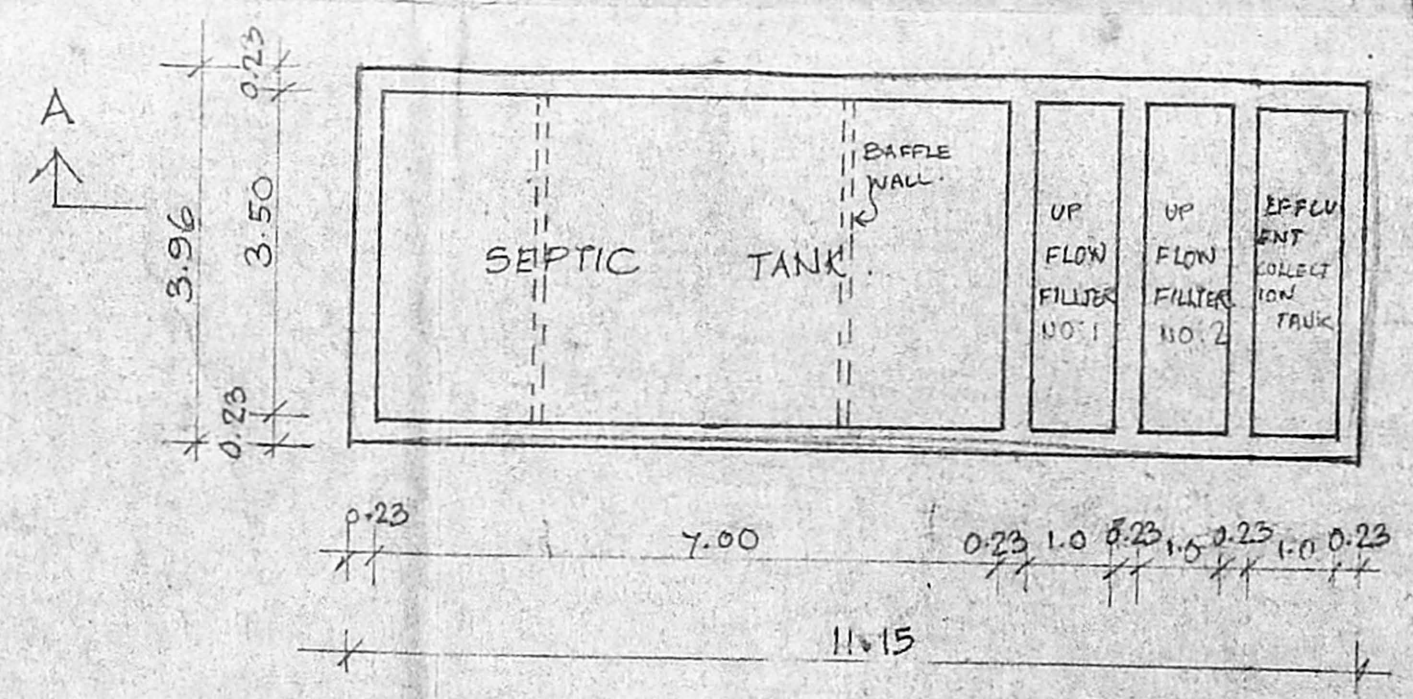
FOUNDATION DETAIL
SCALE: 1" = 2'-0" (1:25)



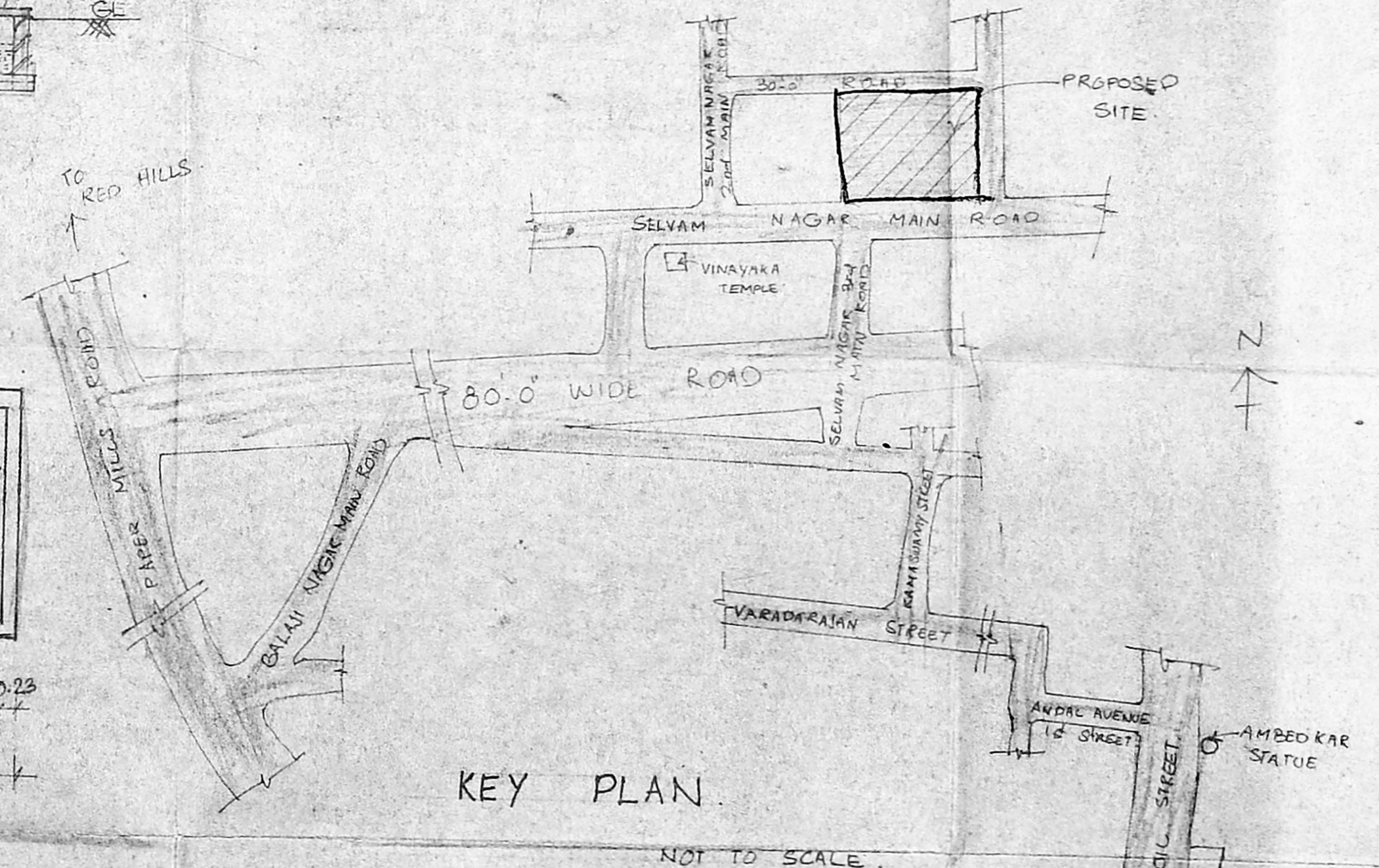
SECTION OF COMPOUND WALL
SCALE: 1" = 4'-0" (1:50)



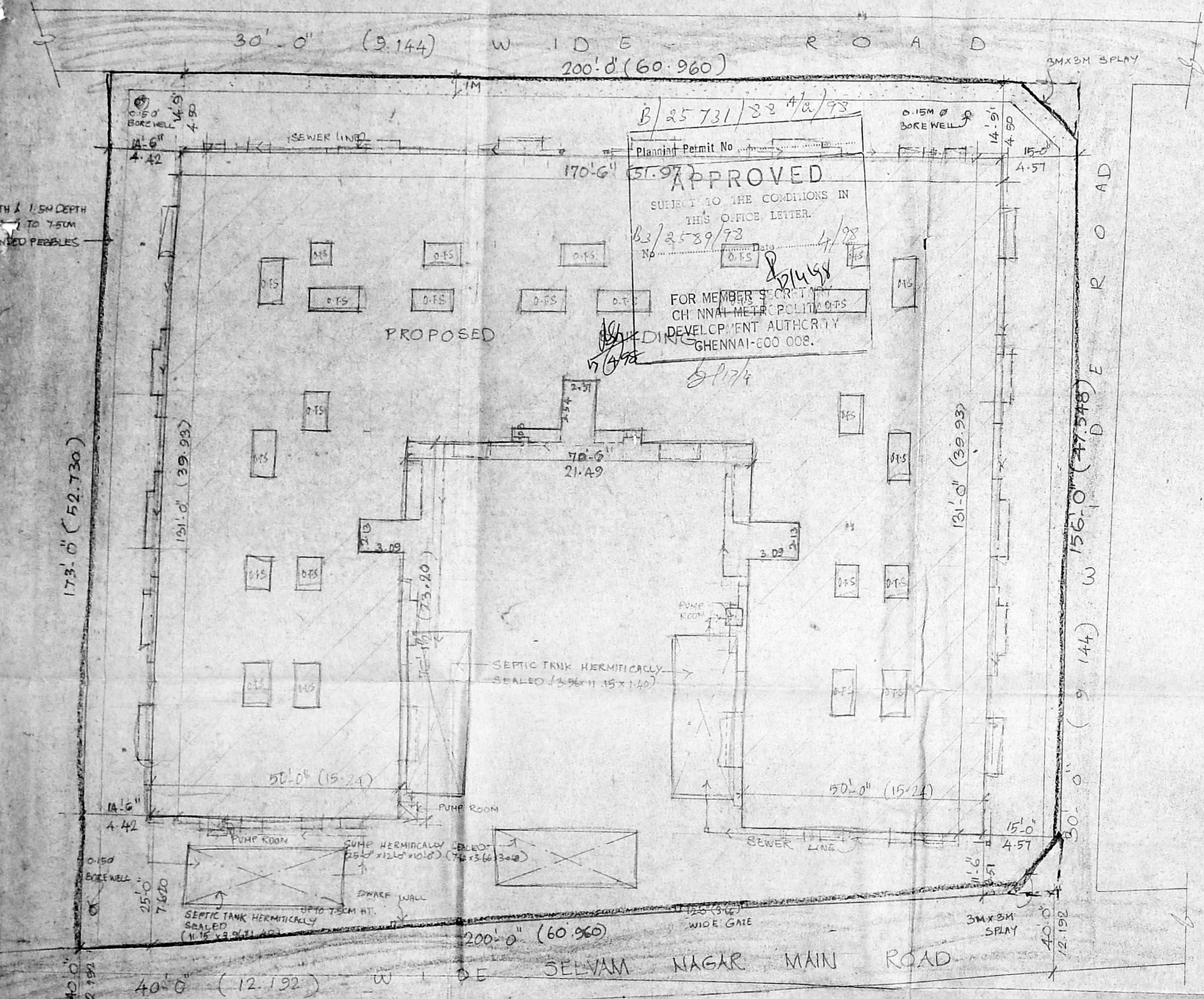
SECTION A-A



PLAN OF SEPTIC TANK

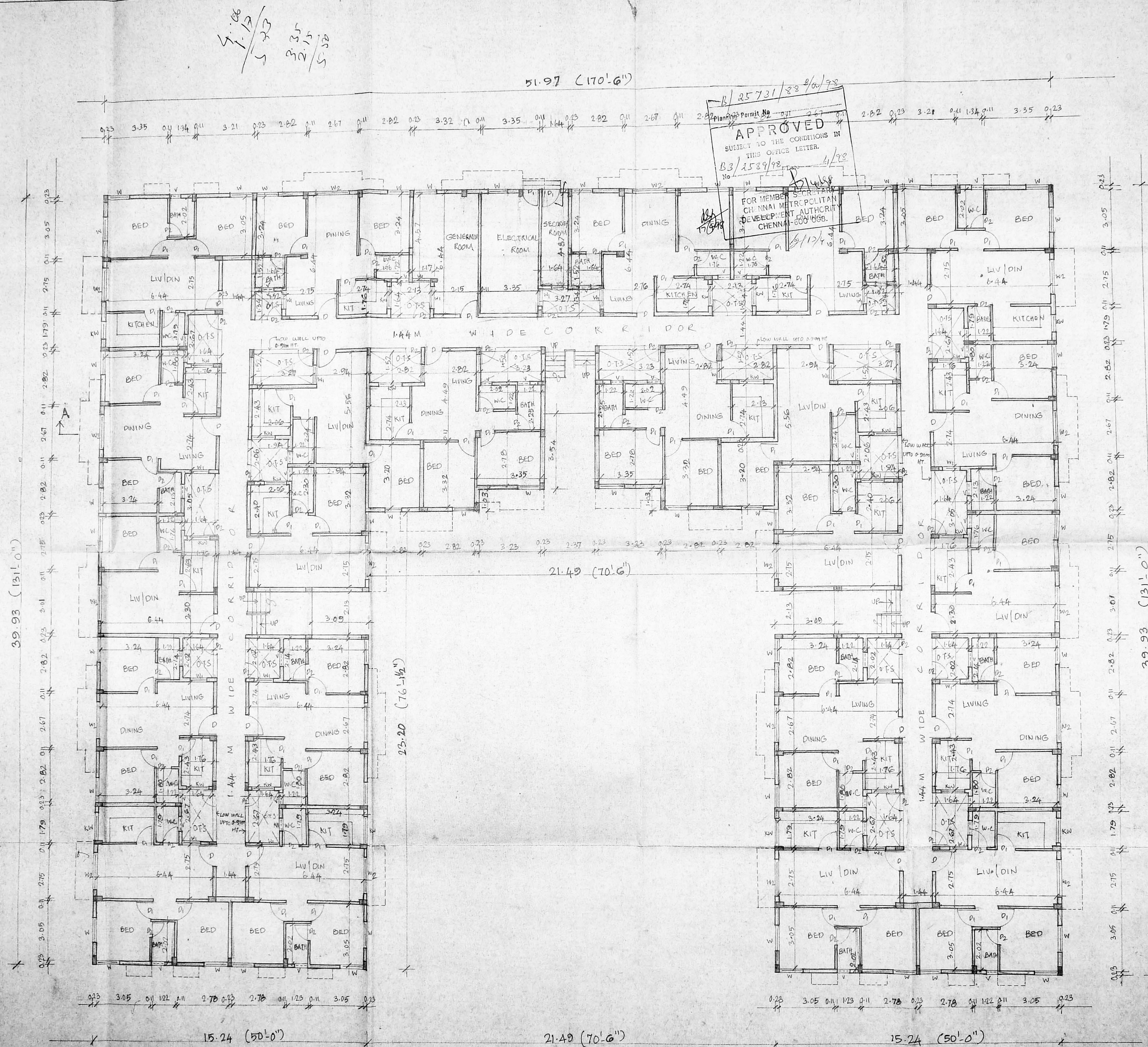


KEY PLAN
NOT TO SCALE



SITE PLAN

SCALE: 1" = 16'-0" (1:200)



GROUND FLOOR PLAN

TYPE	DESCRIPTION	SIZE
D	T-W FLUSH DOOR	0.99 X 2.13
D1	T-W FLUSH DOOR	0.91 X 2.13
D2	T-W FLUSH DOOR	0.76 X 2.13
W1	T-W GLAZED WINDOW	1.22 X 1.37
W2	DO	0.91 X 1.37
W3	DO	1.23 X 1.37
W4	DO	1.23 X 1.37
W5	T-W GLAZED WINDOW	0.61 X 0.61
V	DO	0.61 X 0.61

- SPECIFICATIONS**
1. RCC FOOTING & COLUMNS IN CONCRETE 1:2:4
 2. SUPER STRUCTURE - BRICK WORK SET IN C.M 1:5
 3. RCC 1:2:4 FOR BEAMS, LINTELS, SUNSHADES AND SLABS
 4. P.C.C 1:4:8 FOR FLOOR LEVELLING COURSE
 5. P.C.C 1:5:10 FOR BASEMENT FOR FOUNDATION
 6. JOINERY IN SEASONED TEAK WOOD
 7. 3 COATS OF GEMENT PAINT TO INSIDE AND OUTSIDE WALLS
 8. 2 COATS OF ENAMEL PAINT OVER ONE COAT OF PRIMER FOR JOINERY, GRILLE WORK ETC.
 9. WEATHERING COURSE OVER ROOF SLAB 3" THICK BRICK JELLY LIME CONCRETE AND ONE LAYER OF PRESSED TILES ON TOP

AREA STATEMENT	SQ. M
GROUND FLOOR AREA	1395.22
* GENERATOR, ELECTRICAL, SECURITY ROOM	46.97
* (NOT INCLUDED IN AREA)	
GROUND FLOOR PLAN	

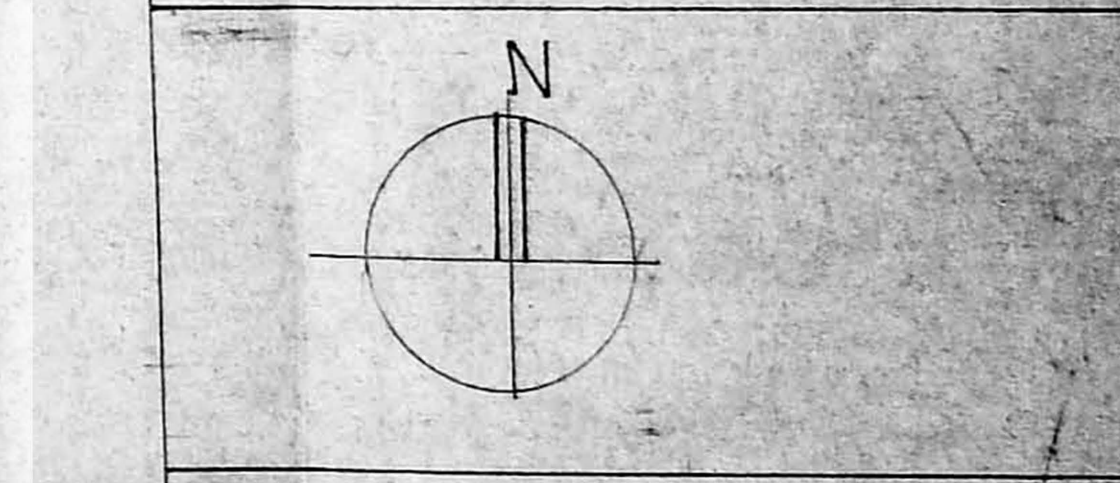
PROPOSED RESIDENTIAL FLATS
 AT PLOT NOS: 24, 25, 26, 27, 28, 33, 34, 35, 36 & 37, SELVAM NAGAR, MADHAVARAM VILLAGE, CHENNAI.
 R.S. NOS: 1176/2, 1176/3

NOTE: CMOA PREVIOUS SANCTION
 Lr. NO: B3/20298/98 DATED 17-12-97
 PLANNING PERMIT NO: B/25627/476 A 106/97 DATED 17-12-97

SCALE: 1"=8'-0"	DATE: 29.12.97
DRAWN: JOB NO: 566	
DRGNO: CHDBY: RS	

COLOR INDEX

PROPOSED	
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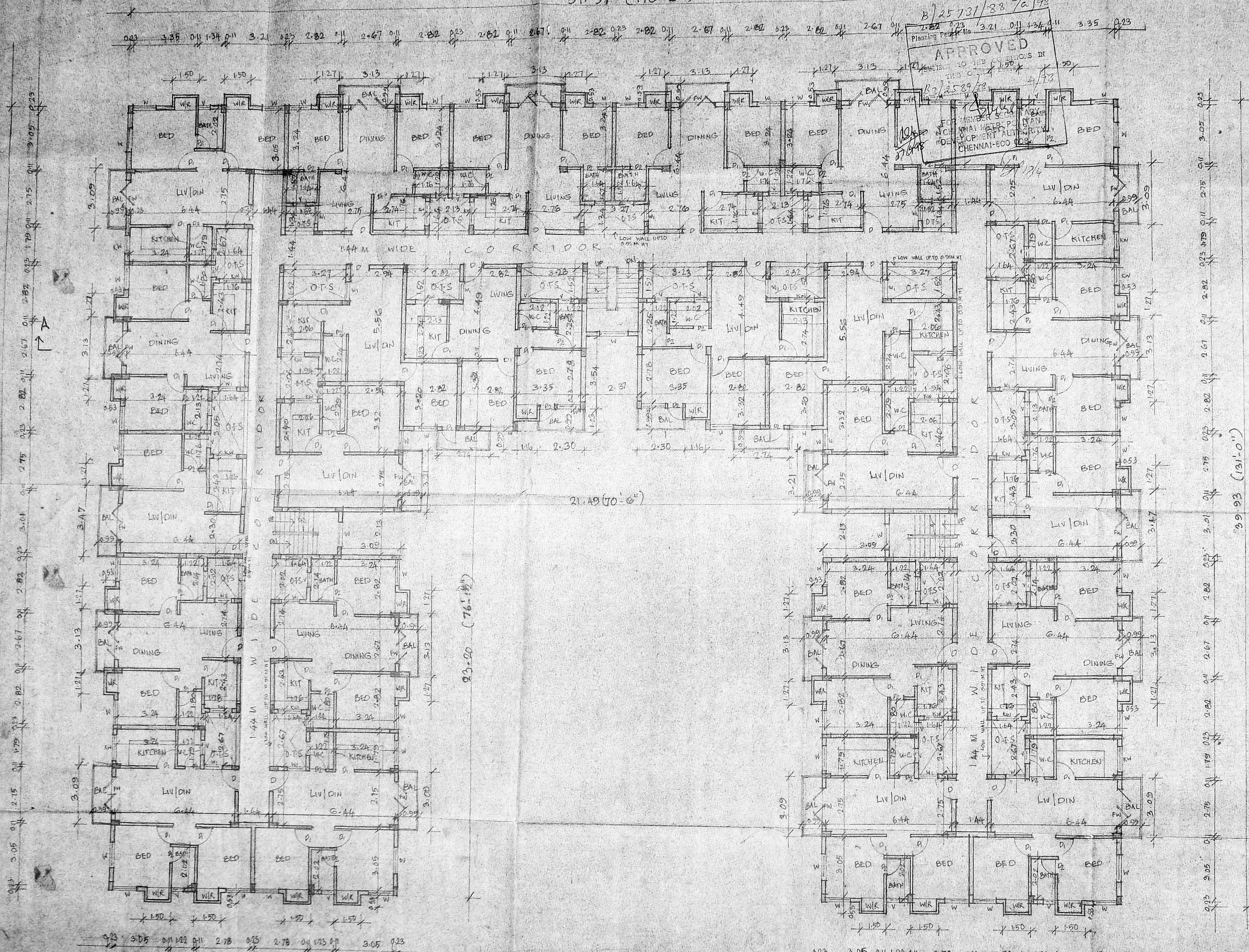


A. Sathya
 (P.A. HOLDER)
 OWNER'S SIGNATURE

ARCHITECT
R. Sathya Narayana
R. SATHYA NARAYANA, barch
 COUNCIL OF ARCHITECTURE,
 C.A NO: 84/9895,
 U-12, ANNA NAGAR,
 CHENNAI - 40

51.97 (170'-0")

B/25731/38 P.A./92
 APPROVED
 TO BE CARRIED OUT IN
 THIS CITY
 B/2529/38
 FOR MEMBER SEC. P. CHENNAI
 MUNICIPAL CORPORATION
 CHENNAI-600 008



39.93 (131'-0")

23.20 (76'-11")

39.93 (131'-0")

15.24 (50'-0")

21.49 (70'-6")

15.24 (50'-0")

TYPICAL FLOOR PLAN (I, II)

SCHEDULE OF JOINERY		
TYPE	DESCRIPTION	SIZE
D	T.W. FLUSH DOOR	0.98x2.13
D1	DO	0.91x2.13
D2	DO	1.07x2.13
W	T.W. GLAZED WINDOW	1.07x1.43
W1	DO	0.91x1.43
KW	DO	1.22x0.91
FW	T.W. FRENCH WINDOW	1.85x2.13
V	T.W. GLAZED VENTILATOR	0.61x0.61

SPECIFICATIONS
 REFER AS PER GROUND FLOOR PLAN

NOTE :- CMDA PREVIOUS SANCTION
 Lr. NO: B3/20238/36 DATED 11-12-97
 PLANNING PERMIT NO: B/25697/422A
 TO G/97 DATED 17-12-97

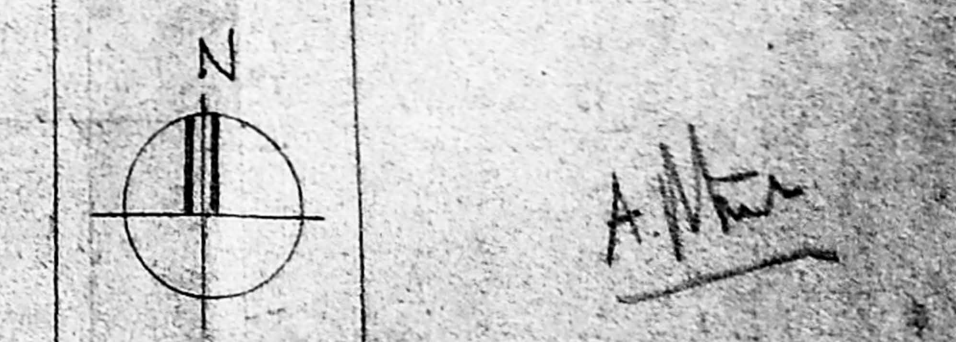
AREA STATEMENT		SQM
FIRST FLOOR AREA		1542.32
SECOND FLOOR AREA		1542.32

PROPOSED RESIDENTIAL FLATS
 AT PLOT NOS. 24, 25, 26,
 27, 28, 33, 34, 35, 36 & 37
 SELVAM NAGAR, MADHAVARAM
 VILLAGE, CHENNAI,
 R.S.NOS: 1176/2, 1176/3

SCALE : 1/100 DATE : 24-12-97
 NOB NO : 566 DRAWN : JIM

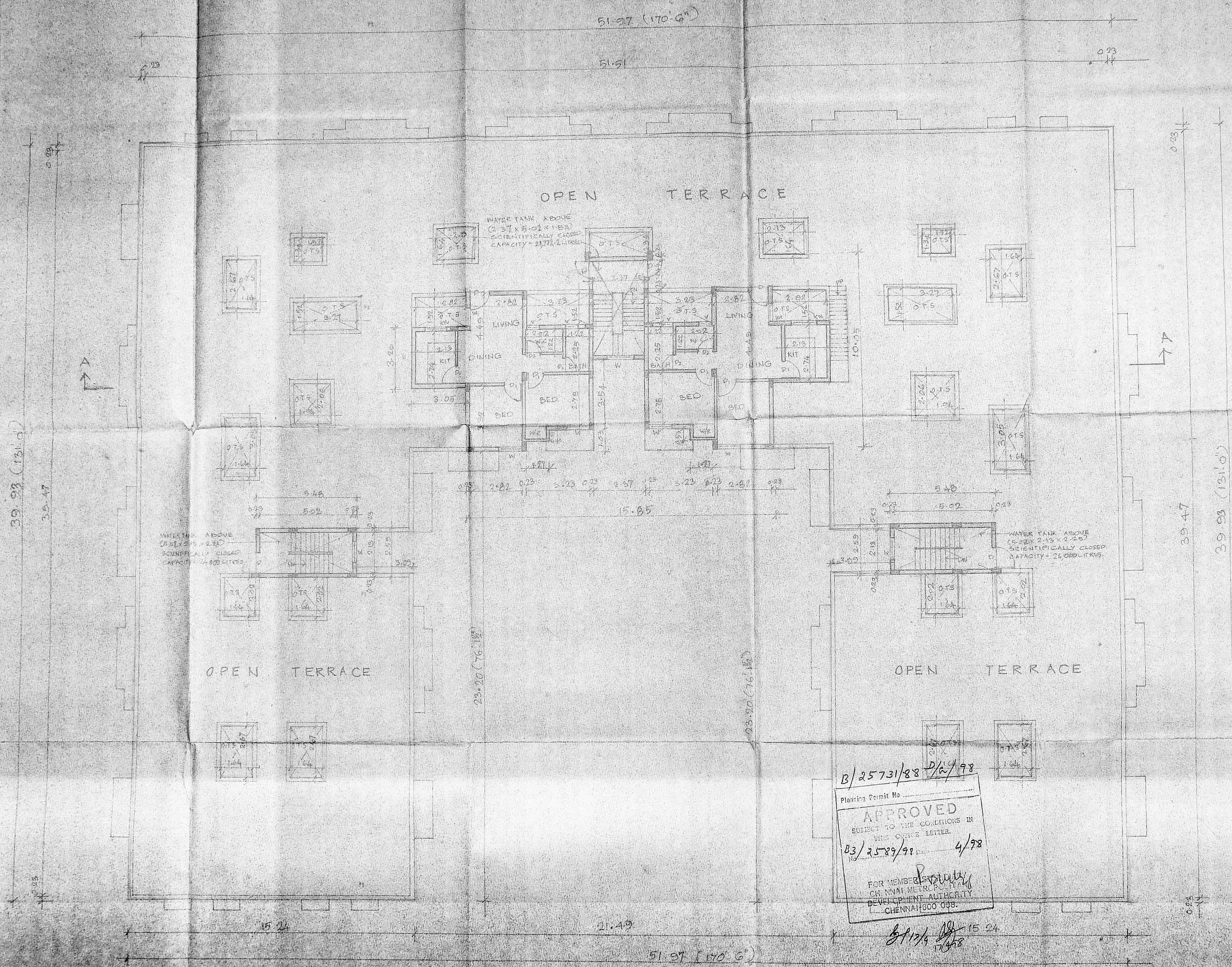
COLOUR INDEX

PROPOSED



(P.A. HOLDER)
 OWNER'S SIGNATURE

ARCHITECT
 R. SATHYANARAYANA, BARCELONA
 COUNCIL OF ARCHITECTURE,
 C.A. NO. 26/9895
 U-12, ANNE NAGAR,
 CHENNAI - 600 008



THIRD FLOOR PLAN

SCHEDULE OF JOINTS		
TYPE	DESCRIPTION	SIZE
D	DOOR	CMDA B/PP No. 113
D1	DOOR	No. B3/2589/98 2.13
D2	DOOR	2.16 x 1.16
W	WINDOW	1.22 x 1.37
W1	WINDOW	0.91 x 1.87
KW	KITCHEN WINDOW	0.71 x 0.91
V	VENTILATOR	0.61 x 0.61

SPECIFICATIONS	
REFER AS PER GROUND FLOOR PLAN	
NOTE: CMDA PREVIOUS SANCTION: Lr. NO: B3/25296/98 DATED 17-12-97 PLANNING PERMIT NO: B/25627/ATG A TO G/97 DATED 17-12-97	
AREA STATEMENT	SQ.M
THIRD FLOOR PLAN	129.15

PROPOSED RESIDENTIAL FLATS
AT PLOT NOS: 24, 25, 26, 27,
28, 33, 34, 35, 36 & 37
SELVAM NAGAR, MADHAVARAM
VILLAGE, CHENNAI.
R.S. NOS: 1176/2, 1176/3

SCALE: 1:100	JOB NO: 566
DATE: 25.12.97	DRAWN: <i>gh</i>
COLOUR INDEX	

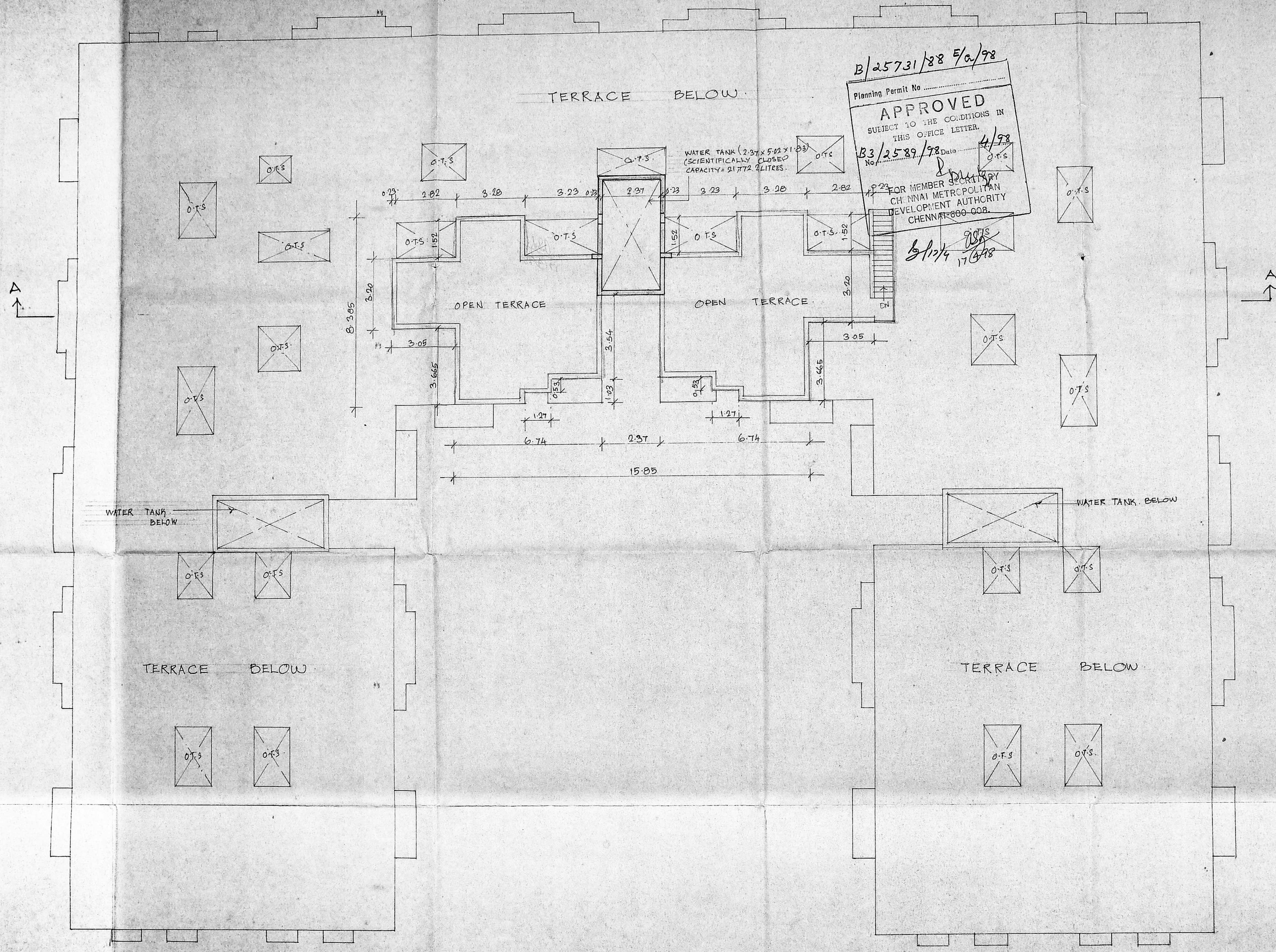
PROPOSED

N

A. Sathyanarayana
(P.A. HOLDER)
OWNERS SIGNATURE

B/25731/88 D/6/98
Planning Permit No.
APPROVED
SUBJECT TO THE CONDITIONS IN
THIS OFFICE LETTER.
B3/2589/98 4/98
FOR MEMBER
CHENNAI METROPOLITAN
DEVELOPMENT AUTHORITY
CHENNAI-600 098.

ARCHITECT
R. Sathyanarayana
R. SATHYANARAYANA, B. Arch
COUNCIL OF ARCHITECTURE
C.A. NO. 86/88 B
0-12 ANNAM NAGAR
CHENNAI - 600 062



B/25731/88 E/o/98
 Planning Permit No.
APPROVED
 SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER.
 B3/2589/98 Date 4/98
 No.
 FOR MEMBER SECRETARY
 CHENNAI METROPOLITAN
 DEVELOPMENT AUTHORITY
 CHENNAI-600 008.
 5/17/98
 17/6/98

CMDA B/IPP NO. 1
 No. B3/2589/98
 Scrutiny P.A. 5/2/98
 D.P.

NOTE: CMDA PREVIOUS SANCTION:
 LT. NO: B3/28296/96 DATED: 17.12.97
 PLANNING PERMIT NO: B/25627/A76ATOG/97
 DATED: 17.12.97

PROPOSED RESIDENTIAL FLATS
 AT PLOT NOS: 24, 25, 26, 27,
 28, 33, 34, 35, 36 & 37.
 SELVAM NAGAR, MADHAVARAM
 VILLAGE, CHENNAI.
 R.S. NOS: 1176/2, 1176/3.

SCALE: 1:100 JOB NO: 566
 DATE: 6.12.97 DRAWN: the
 COLOUR INDEX.

PROPOSED:

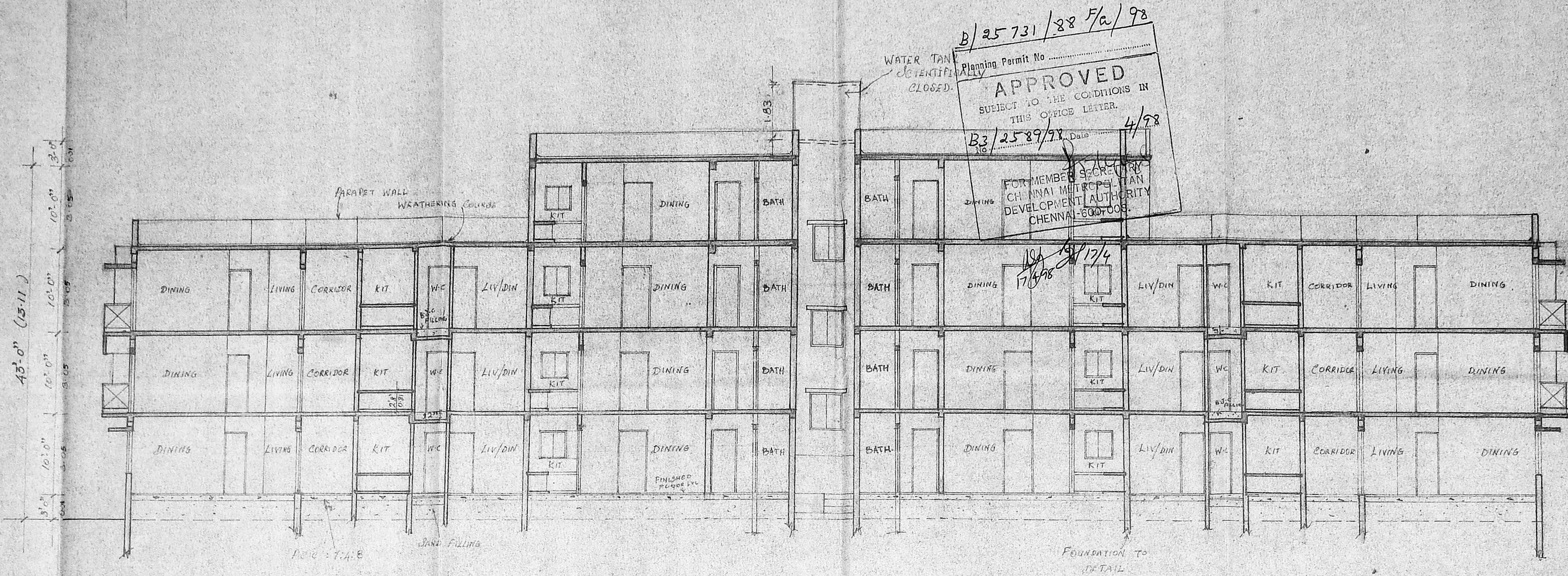
N

 A. Muthu
 (P.A. HOLDER)
 OWNER'S SIGNATURE

ARCHITECT:

 R. SATHYANARAYANA, B. Arch.
 COUNCIL OF ARCHITECTURE
 CA NO: 26/2895,
 U-12, ANNA NAGAR,
 CHENNAI- 600 040.

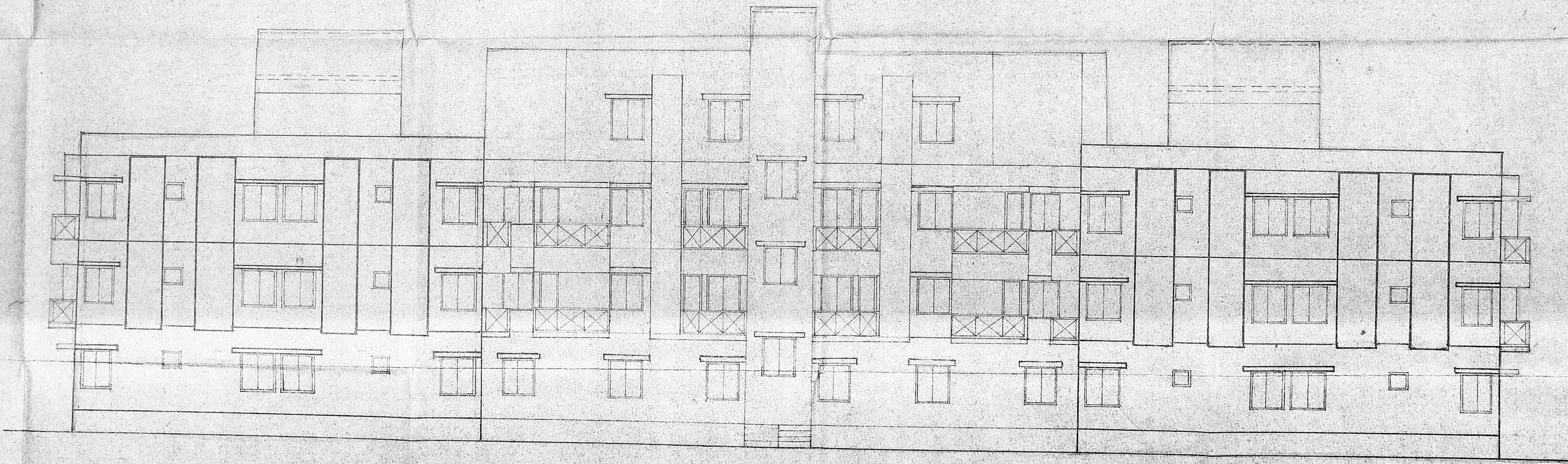
TERRACE FLOOR PLAN



B/25731/88 Fa/98
 Planning Permit No.
APPROVED
 SUBJECT TO THE CONDITIONS IN
 THIS OFFICE LETTER.
 B3/2589/98 Date 4/98
 FOR MEMBER SECRETARY
 CHENNAI MUNICIPAL CORPORATION
 DEVELOPMENT AUTHORITY
 CHENNAI-600 008.

CMDA B/PP NO. 1
 C/No. B3/2589/98
 S.No. 6/3/4
 P.A. D.P.

SECTION ON A-A



FRONT ELEVATION

NOTE - CMDA PREVIOUS SANCTION
 LY NO. B3/28298/98 DATED 17-12-97
 PLANNING PERMIT NO. B/25627/ATGA TO
 G/97 DATED 17-12-97.

ELEVATION AND SECTION

PROPOSED RESIDENTIAL FLATS
 AT PLOT NOS : 24, 25, 26, 27, 28
 33, 34, 35, 36, & 37, SELVAM NAGAR
 MADHAVARAM VILLAGE, CHENNAI.
 R.S. NO : 1176/2, 1176/3.

SCALE 1:700 DATE 24-12-97

JOB NO - 566 DRAWN

COLOUR INDEX

PROPOSED

A. Sathyanarayana
 (P.A. HOLDER)
 OWNER'S SIGNATURE

ARCHITECT
R. Sathyanarayana
 R. SATHYANARAYANA, B. ARCH.
 COUNCIL OF ARCHITECTURE
 C.A. NO. 66/9895
 U-12 ANNAMALAI

PROPOSED RESIDENTIAL FLATS AT PLOT NO. 24, 25, 26,
27, 28, 33, 34, 35, 36, & 37 SELVAM NAGAR,
MADHAVARAM VILLAGE, CHENNAI, R.S. NO. 1176/2, 1176/3.

DESIGN OF SEPTIC TANK WITH UPFLOW FILTER FOR 24 DWELLINGS FOR PREMISES AT SELVAM NAGAR, MADHAVARAM.

NO. OF FLATS — 24
 ASSUMING 5 PERSON PER FLAT $24 \times 5 = 120$
 NO. OF PERSONS — 120
 NO. OF USERS — 120
 ASSUMING 2 FIXTURES PER FLAT $24 \times 2 = 48$ UNITS
 PER HOUR DISCHARGE — $48 \times 6 = 288$ LPM

SEPTIC TANK

CMDA (B) / PP NO. $\frac{688 \times 0.92}{9.8 \times 0.7} = 26.496$
 SURFACE AREA NEEDED $\frac{26.496}{7} = 3.78$ $27 \times 1.4 = 37.8$
 VOLUME OF SEDIMENTATION $\frac{26.496}{7} = 3.78$ $27 \times 0.3 = 8.1$
 ASSUMING 0.3M DEPTH $27 \times 0.3 = 8.1$
 FOR DIGESTION — $120 \times 0.032 = 3.84$
 FOR SLEDGE STORAGE $27 \times 0.002 \times 365 \times 120 = 8.76$
 FREE BOARD FOR SLEDGE $27 \times 0.3 = 8.1$

DEPTH $\frac{29}{27} = 1.1$ D.P. $\frac{28.8}{29} \text{ say } 29 \text{ m}^3$

SIZE OF SEPTIC TANK = $7 \times 3.5 \times 1.1$ M.

UPFLOW FILTER

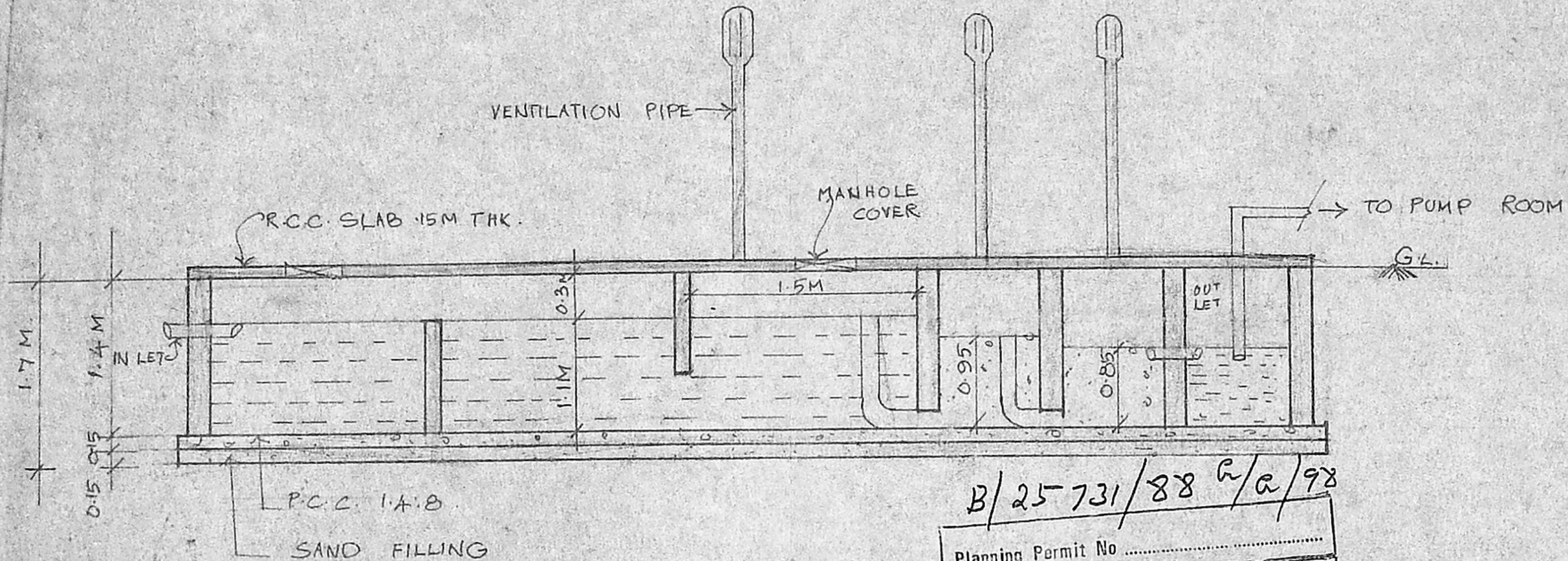
LIQUID DEPTH OF SEPTIC TANK = 1.1 M.
 VOLUME = $120 \times 0.045 = 5.4$ m^3
 UP FLOW FILTER DEPTH } $1.1 - 0.3 = 0.8$ M.
 ALLOWING 0.3M FREE BOARD }
 AREA NEEDED = $\frac{5.4}{0.8} = 6.75 \text{ m}^2$ SAY 7 m^2
 SIZE OF UPFLOW FILTER = 3.5×2 M.
 UPFLOW FILTER NO. 1 = $3.5 \times 1 \times 0.95$ M.
 UPFLOW FILTER NO. 2 = $3.5 \times 1 \times 0.95$ M.
 (PROVIDE 3 NOS. SEPTIC TANKS OF ABOVE SIZE)

NOTE:- CMDA PREVIOUS SANCTION

LY. NO. B3/20298/96 DATED 17-12-97
 PLANNING PERMIT NO. B/25621/476 A TO G/97
 DATED 17-12-97

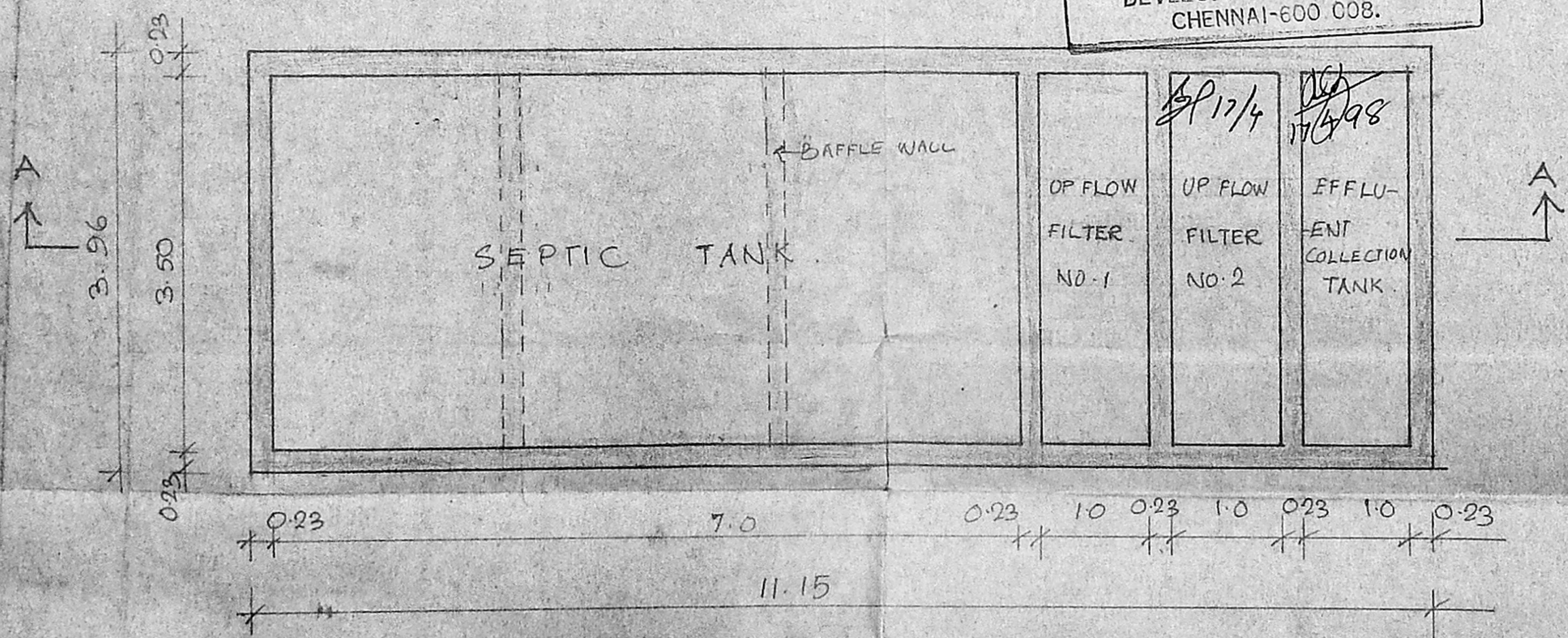
A. Utam
 (P.A. HOLDER)
 OWNER'S SIGNATURE

ARCHITECT
R. Sathyanarayana
 R. SATHYANARAYANA., B. Arch.,
 C.A NO. 86/9895
 U-12 4th MAIN ROAD
 ANNA NAGAR,
 MADRAS-40.



SECTION - 'A A'

B/25-731/88 R/a/98
 Planning Permit No
APPROVED
 SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER.
 B3/25-89/98 Date 4/98
 FOR MEMBER SECRETARY
 CHENNAI METROPOLITAN
 DEVELOPMENT AUTHORITY
 CHENNAI-600 008.



DETAIL OF SEPTIC TANK PLAN. SCALE: 1:25