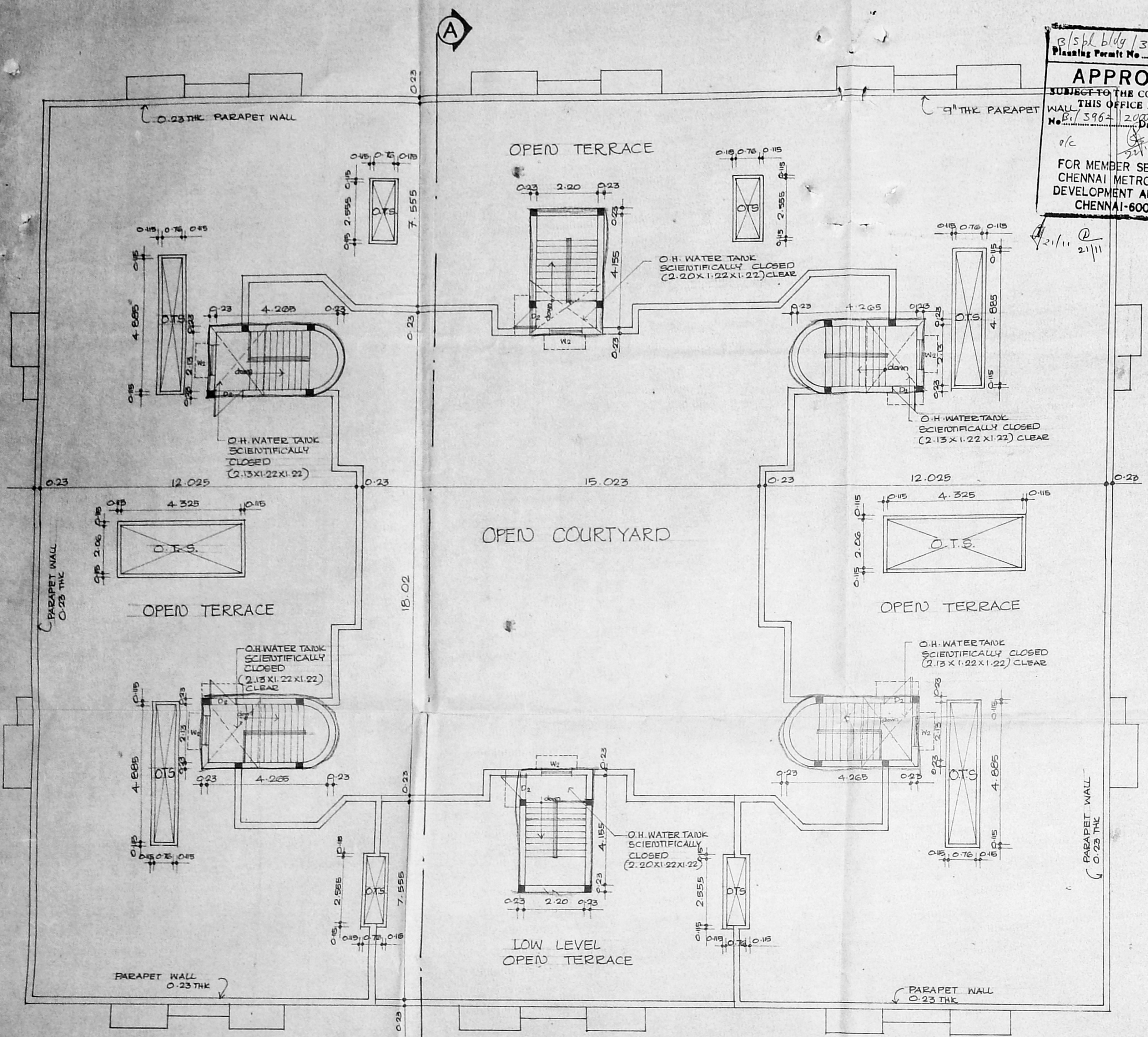
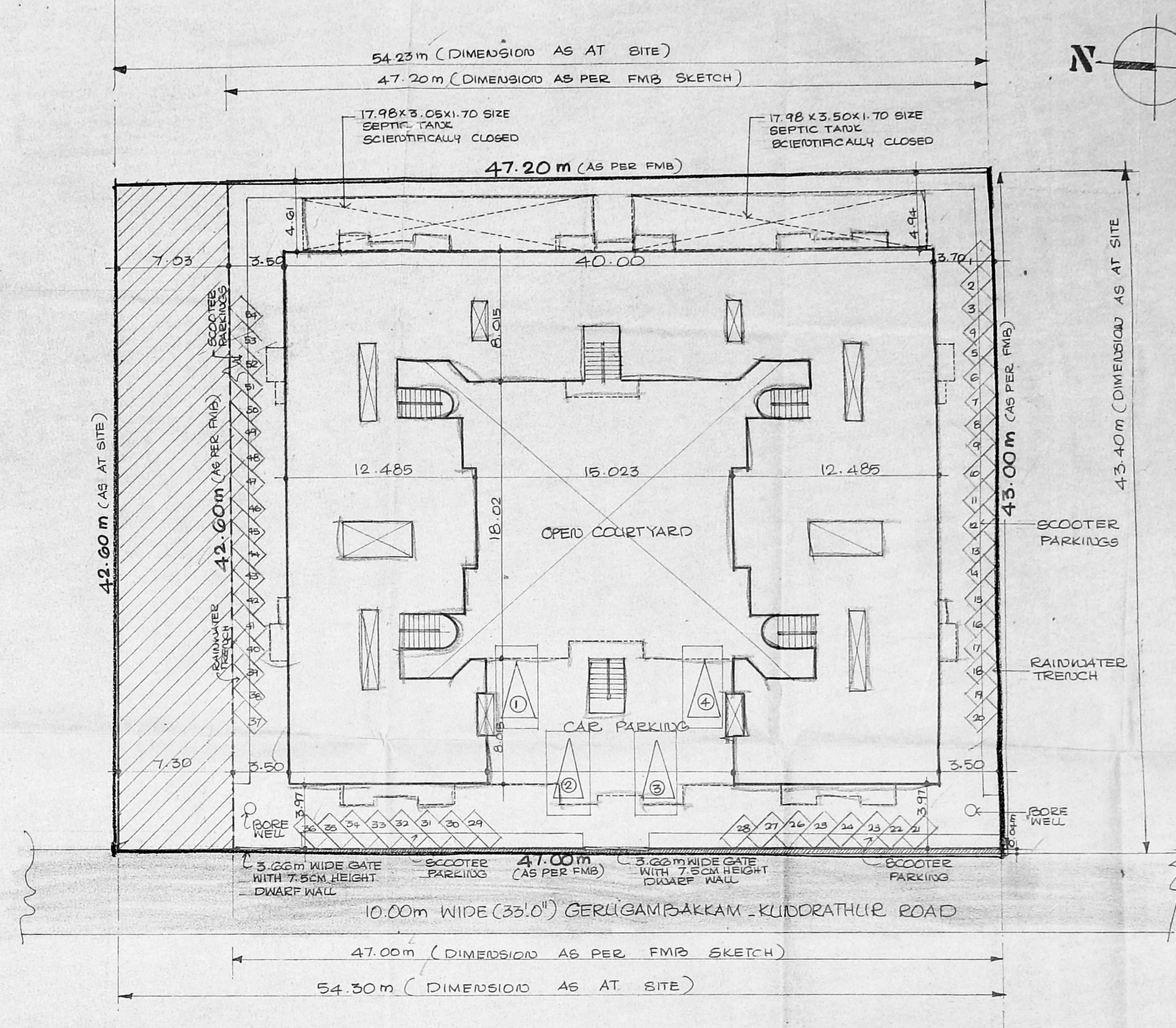


Revised Plan  
Dt. 11/11/2000

Planning Permit No. 51/11/3904/E/2000  
**APPROVED**  
SUBJECT TO THE CONDITIONS IN  
WALL THIS OFFICE LETTER.  
No. 51/3904/E/2000  
Date 22/11/2000  
o/c  
21/11/2000  
FOR MEMBER SECRETARY  
CHENNAI METROPOLITAN  
DEVELOPMENT AUTHORITY  
CHENNAI-600 008.



TERRACE FLOOR PLAN  
(SCALE: 1:100)



SITE PLAN  
(SCALE: 1:200)

CMDA (B)/1/ No. 1  
C. No. 31/3962/2000  
Asst. Surveying P.A. 13/11  
A.P. D.P.

SCHEDULE OF DRAWINGS	
SHEET No.	CONTENTS
①	GROUND FLOOR PLAN, AREA STATEMENT, SCHEDULE OF JOINERY
②	FIRST FLOOR PLAN, AREA STATEMENT, SCHEDULE OF JOINERY
③	TERRACE FLOOR PLAN & SITE PLAN
④	ELEVATION, SECTION, KEY PLAN, FOUNDATION DETAILS, RAINWATER TRENCH, CONSERVATION ARRANGEMENT.
⑤	SEPTIC TANK DETAILS
⑥	GROUND FLOOR F.S.I. CALCULATION
⑦	FIRST FLOOR F.S.I. CALCULATION

PLAN SHOWING THE PROPOSED RESIDENTIAL BUILDING AT S.No.51/11 GERUGAMBAKKAM VILLAGE, SRIPERUMBUDUR TALUK, CHENGAI. M.G.R. DISTRICT, CHENNAI.

COLOUR INDEX	
	PROPOSED
	ROAD
	SITE BOUNDARY

ALL DIMENSIONS ARE IN METRES ONLY  
SCALE: 1:100, 1:200 DATE: 28.01.2000 DRG: [Signature]

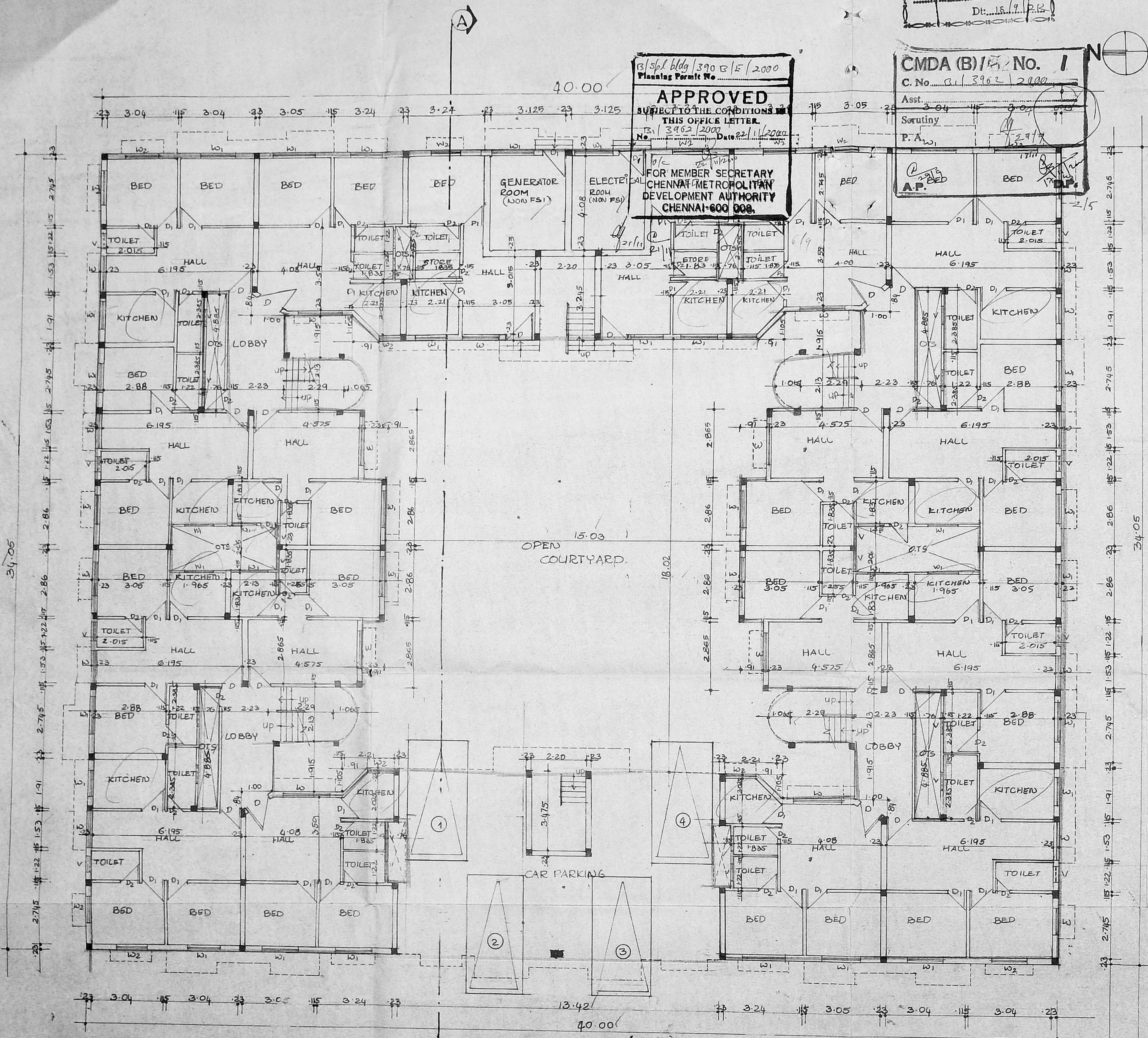
SIGNATURE OF THE OWNER/GPA  
[Signature]  
H. SYED SHAH ALAM (GPA)  
EXECUTIVE DIRECTOR  
M/S. APOLLO ESTATES & BUILDERS (P) LTD.

SIGNATURE OF THE LICENSED SURVEYOR  
[Signature]  
D. SURESH KUMAR, A.I.A., A.M.S.  
Regd. Architect & Interior Designer, Reg. No. CA/ES/1670  
CORPORATION OF MADRAS  
FLATA, FIRST FLOOR,  
1, MUNIRATHNAM STREET,  
ANNAMALAI MADRAS-29.  
PH. 4894200

Revised Plan  
Dt: 18/1/2000

3/56/ bldg / 390 B / E / 2000  
Planning Permit No.  
**APPROVED**  
SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER.  
No. 3962/2000 Date 22/1/2000  
FOR MEMBER SECRETARY  
CHENNAI METROPOLITAN  
DEVELOPMENT AUTHORITY  
CHENNAI-600 000.

**CMDA (B) / No. 1**  
C. No. 31/3962/2000  
Asst. 3-04  
Scrutiny 0-07  
P.A. W1  
A.P.



**GROUND FLOOR PLAN.**

**SCHEDULE OF DRAWINGS**

SHEET NO.	CONTENTS
1	GROUND FLOOR PLAN, SCHEDULE OF JOINERY, AREA STATEMENT.
2	TYPICAL FLOOR PLAN, SCHEDULE OF JOINERY, AREA STATEMENT.
3	TERRACE FLOOR PLAN, SITE PLAN.
4	ELEVATION, SECTION, KEY PLAN, FOUNDATION DETAILS, RAIN WATER TRENCH, CONSERVATION ARRANGEMENT.
5	SEPTIC TANK DETAILS.
1/2	GROUND FLOOR F.S.I. CALCULATION.
2/2	TYPICAL FLOOR F.S.I. CALCULATION.

**SCHEDULE OF JOINERY**

Symbol	Description	Dimensions	Quantity
D	MAIN DOOR	1.00 x 2.13	1
D1	DOOR	0.91 x 2.13	1
D2	DOOR	0.76 x 2.13	1
W	WINDOW	1.52 x 1.37	1
W1	WINDOW	1.22 x 1.37	1
W2	WINDOW	0.91 x 1.37	1
D/W2	DOOR/WINDOW	0.76 x 2.13 / 0.91 x 1.37	1

**AREA STATEMENT**

PLOT AREA	2000.00 Sq.m.
GROUND FLOOR AREA	871.88 "
FIRST FLOOR AREA	1042.76 "
SECOND FLOOR AREA	1042.76 "
TOTAL AREA	2957.40 SQ.M.
F.S.I. = 1.48	
PLOT COVERAGE = 52%	NON FSI AREA - 27.93 SQ.M.

NOTE: ALL DIMENSIONS ARE IN METRES AND AREA IN SQUARE METRES

SCALE: 1:100      DATE: 27-01-2000      DRN: Madia

**COLOUR INDEX**

PROPOSED	ROAD
BOUNDARY	

**PLAN SHOWING THE PROPOSED RESIDENTIAL BUILDING AT S.No. 51/1H, GERUGAMBAKKAM, VILLAGE, SRIPERUMBUDUR TALUK, CHENGAI M.G.R DISTRICT, CHENNAI.**

SIGNATURE OF THE OWNER /GPA

*[Signature]*

H. SYED SHAH ALAM. (GPA)  
EXECUTIVE DIRECTOR  
APOLO ESTATES & BUILDERS (P) LTD.,

SIGNATURE OF THE LICENSED SURVEYOR

*[Signature]*  
S. KESHAV KUMAR, A.I.A., A.I.I.D.  
Architect & Interior Designer, CA/93/16705  
Licensed Surveyor No: RA-330,  
CORPORATION OF MADRAS  
FLAT-A, FIRST FLOOR,  
1, MUNIRATHNAM STREET,  
AMINJIKARAI, MADRAS-29.  
PH. 4834200

SHEET NO.

1/5

# SCHEDULE OF DRAWINGS

SHEET NO.	CONTENTS
1	GROUND FLOOR PLAN, SCHEDULE OF JOINERY, AREA STATEMENT.
2	TYPICAL FLOOR PLAN, SCHEDULE OF JOINERY, AREA STATEMENT.
3	TERRACE FLOOR PLAN & SITE PLAN
4	ELEVATION, SECTION, KEY PLAN, FOUNDATION DETAILS, RAIN WATER TRENCH, CONSERVATION ARRANGEMENT.
5	SEPTIC TANK DETAILS
12	GROUND FLOOR F.S.I. CALCULATION
22	TYPICAL FLOOR F.S.I. CALCULATION

## SCHEDULE OF JOINERY

D	MAID DOOR	1.00 X 2.13	D/W <sub>2</sub>	DOOR CUM WINDOW	0.76 X 2.13 & 0.91 X 1.37
D <sub>1</sub>	DOOR	0.91 X 2.13	D/W <sub>2</sub>	DOOR CUM WINDOW	0.76 X 2.13 & 1.145 X 1.37
D <sub>2</sub>	DOOR	0.76 X 2.13	V	VENTILATOR	0.61 X 0.61
W	WINDOW	1.52 X 1.37	D/W <sub>2</sub>	DOOR CUM WINDOW	0.76 X 2.13 & 0.80 X 1.37
W <sub>1</sub>	WINDOW	1.22 X 1.37			
W <sub>2</sub>	WINDOW	0.91 X 1.37			

## AREA STATEMENT

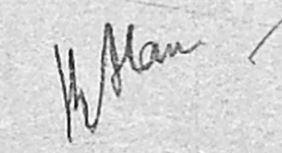
PLOT AREA	- 2000.00 SQ.M.
GROUND FLOOR AREA	- 871.88 "
FIRST FLOOR AREA	- 1042.76 "
SECOND FLOOR AREA	- 1042.76 "
TOTAL AREA	- 2957.40 SQ.M.
F.S.I.	- 1.48
PLOT COVERAGE	- 52%
NON F.S.I. AREA	- 27.93 SQ.M.

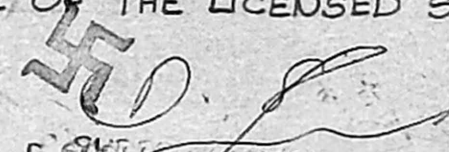
## COLOUR INDEX

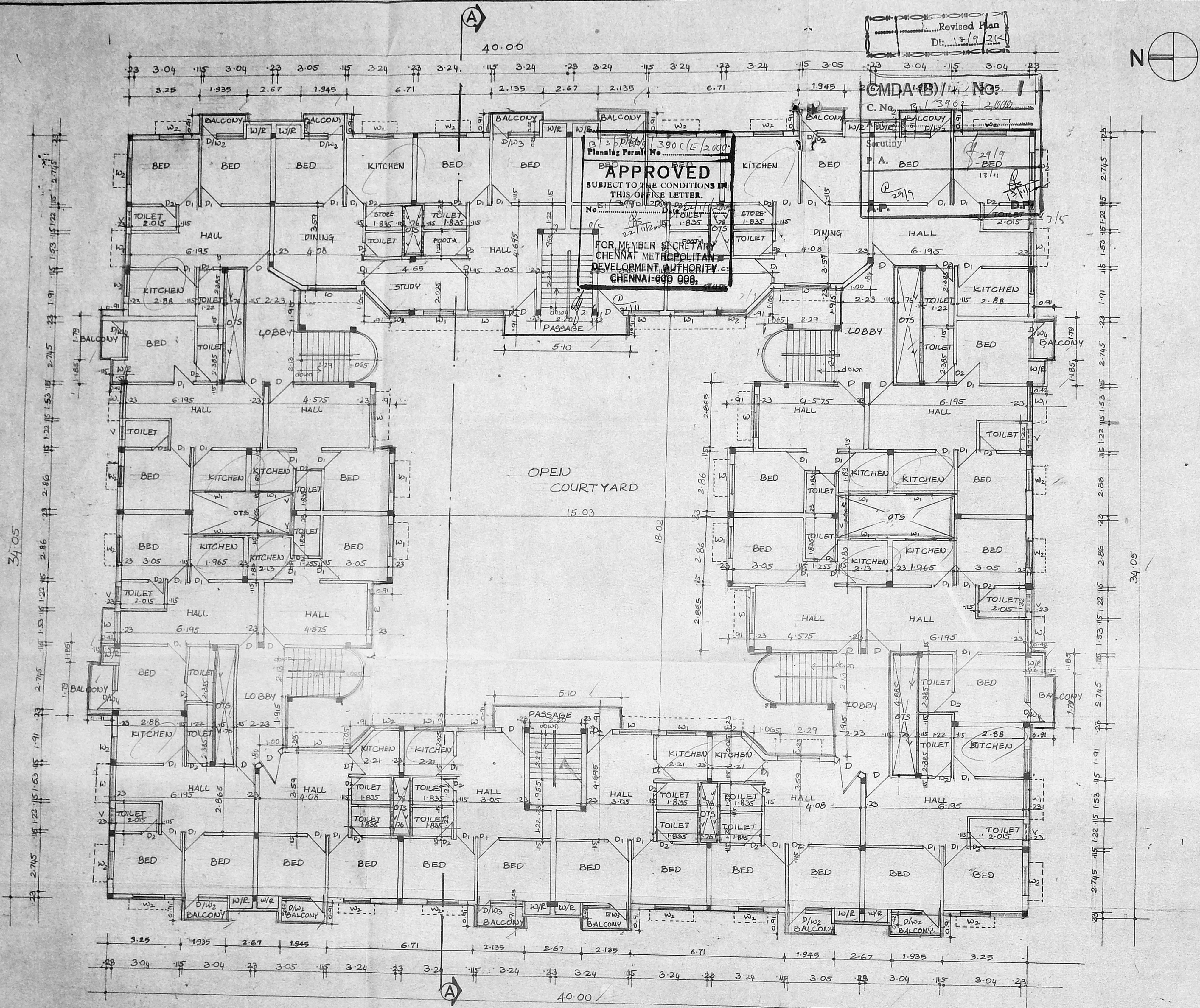
PROPOSED	ROAD
BOUNDARY	

PLAN SHOWING PROPOSED RESIDENTIAL BUILDING AT S.NO. 51/H, GERUGAMBAKKAM VILLAGE SRIPERUMBUDUR TALUK, CHENGAI M.G.R. DISTRICT, CHENNAI.

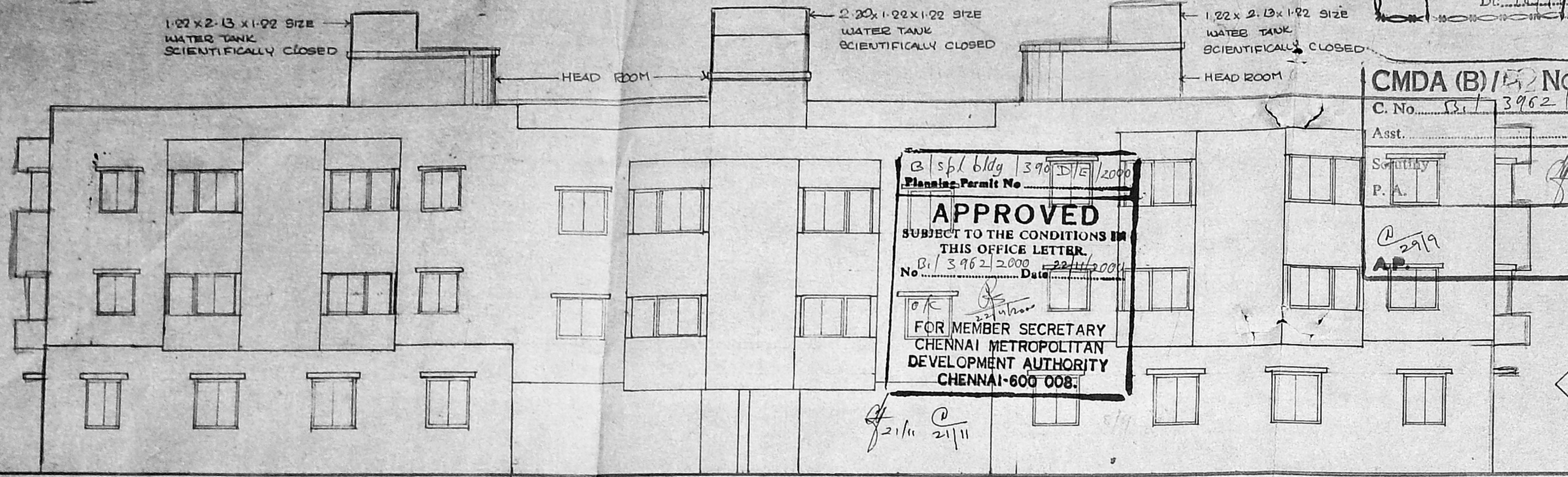
SCALE :	DATE :	DRN :
1:100	27.01.2000	Malin

SIGNATURE OF THE OWNER / G.P.A.  
  
 H. SYED SHAH ALAM (G.P.A.)  
 EXECUTIVE DIRECTOR  
 APOLLO ESTATES & BUILDERS (P) LTD.

SIGNATURE OF THE LICENSED SURVEYOR  
  
 C. SIVAKUMAR  
 1, MUNIRATHNAM STREET  
 AMUNIKARAL MADRAS-28  
 PH. 4834208



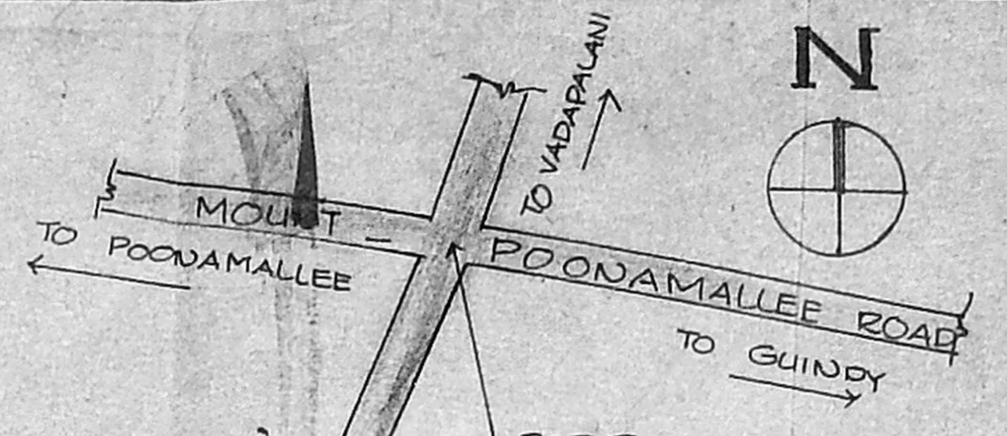
TYPICAL FLOOR PLAN (1<sup>st</sup> & 2<sup>nd</sup> Floor)



ELEVATION

Revised Plan  
Dt: 18/9/2000

CMDA (B) No. 1  
C. No. 3962/2000  
Asst. ...  
S. No. 5/1/H  
P. A. ...  
29/9  
13/11  
AP  
D.P.C.



KEY PLAN  
(NOT TO SCALE)

SCHEDULE OF DRAWINGS

SHEET NO	CONTENTS
①	GROUND FLOOR PLAN, SCHEDULE OF JOINEERY AREA STATEMENT
②	TYPICAL FLOOR PLAN (FIRST & SECOND) SCHEDULE OF JOINEERY, AREA STATEMENT
③	TERRACE FLOOR PLAN & SITE PLAN
④	ELEVATION, SECTION, KEY PLAN, FOUNDATION DETAILS, RAIN WATER TRENCH & RAIN WATER CONSERVATION ARRANGEMENT SEPTIC TANK DETAILS
⑤	GROUND FLOOR F.S.I. CALCULATION
⑥	TYPICAL FLOOR F.S.I. CALCULATION

PLAN SHOWING PROPOSED RESIDENTIAL BUILDING AT S.No.5/1/H, GERUGAMBAKKAM VILLAGE, SRIPERUMBUDUR TALUK, CHENGAI M.G.R. DISTRICT, CHENNAI.

COLOUR INDEX

PROPOSED	-	
ROAD	-	
BOUNDARY	-	

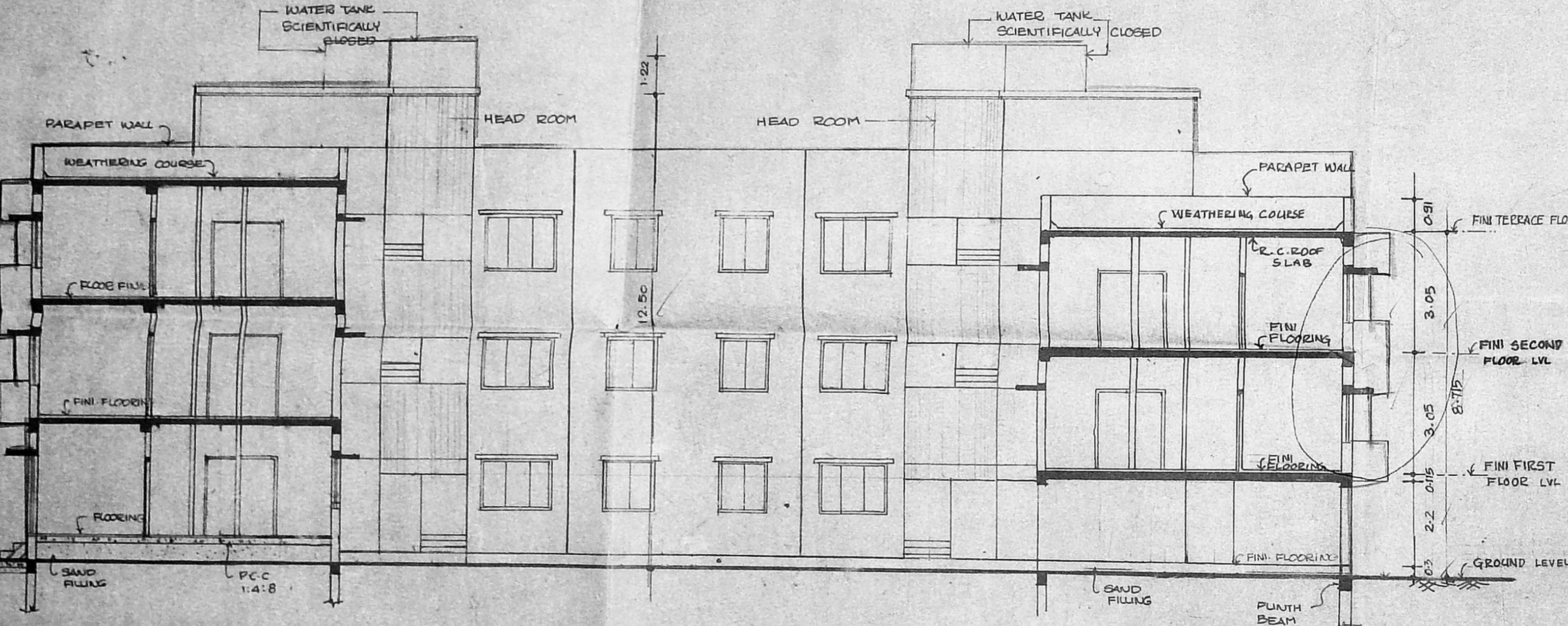
ALL DIMENSIONS ARE IN METRE  
SCALE: 1:100 DATE: 29/01/2000 DES: G.S.R.

SIGNATURE OF THE OWNER/GPA  
  
H. SYED SHAH ALAM (GPA)  
EXECUTIVE DIRECTOR,  
APOLLO ESTATES & BUILDERS (P) LTD

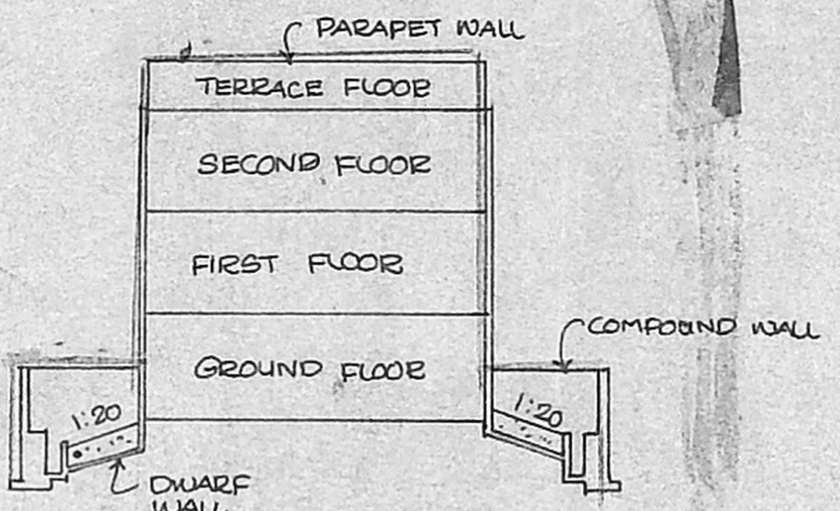
SIGNATURE OF THE LICENSED SURVEYOR

D. SURESH KUMAR, A.I.I.A. A.I.T.D.  
Regd. Architect & Interior Designer, CA/33/16706  
Licensed Surveyor No: RA-330,  
CORPORATION OF MADRAS  
FLAT-A, FIRST FLOOR,  
1, MUNIRATHNAM STREET,  
AMINJIKARAI, MADRAS-29,  
PH. 4834200

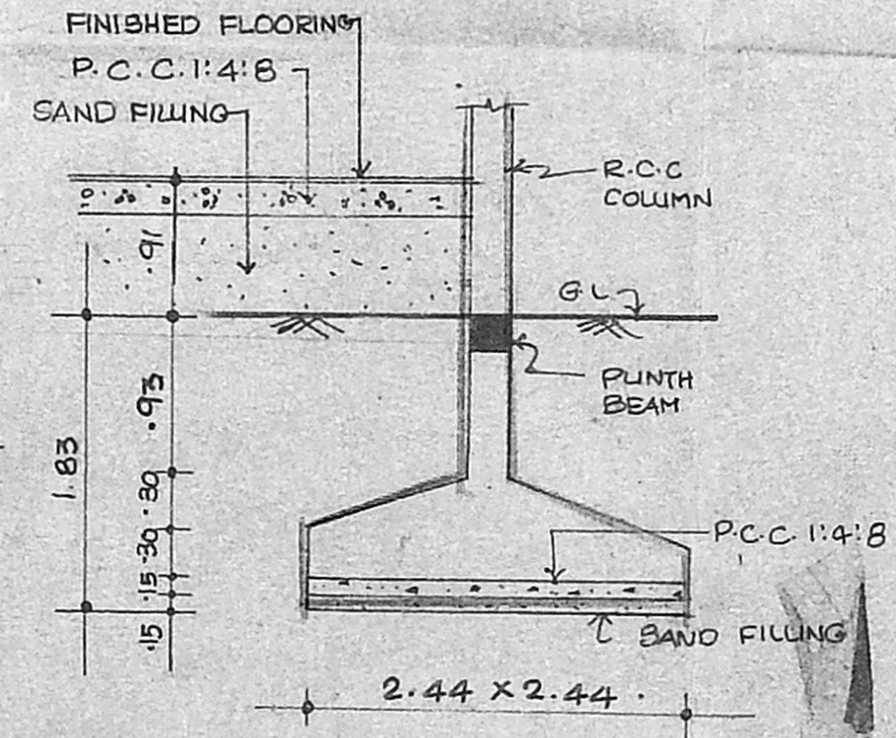
SHEET NO:  
4/5



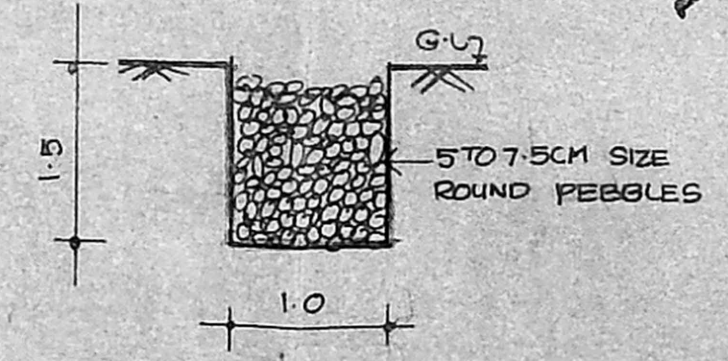
SECTION ON A-A



RAIN WATER CONSERVATION ARRANGEMENT



FOUNDATION DETAIL  
(SCALE 1:50)



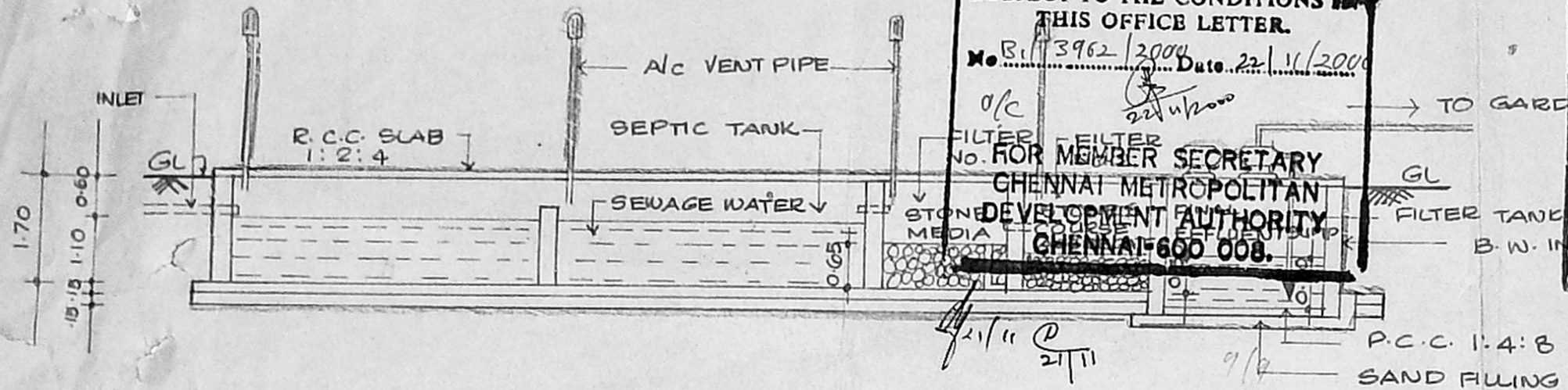
SECTION OF RAINWATER  
TRENCH

Revised Plan  
Dt: 18/9/2000

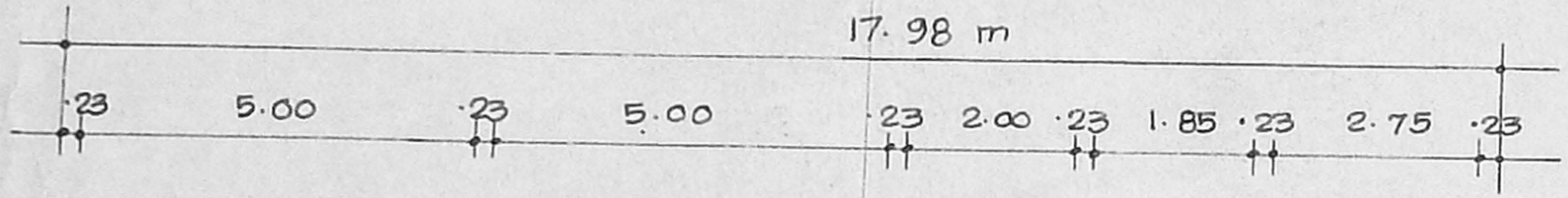
DESIGN CHART

CMDA (B) / NO. OF DWELLINGS	- 54 NOS
C. No. 51/1H/396 NO 2000 USERS	- 54 x 5 = 270
Asst. ASSUME A STANDARD 2 NOS	- 54 x 2 = 108
Scrutiny P. A. TOTAL NUMBER OF FIXTURE UNIT	- 108 x 6 = 648
ASSUME A PEAKING FACTOR OF 1.5	- 108 x 6 = 648
SEPTIC TANK	

G/spl bldg / 390 E/E / 2000  
Planning Permit No  
**APPROVED**  
SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER.  
No. R. 3962 / 2000 Date 22/11/2000  
FOR MEMBER SECRETARY  
CHENNAI METROPOLITAN  
DEVELOPMENT AUTHORITY  
CHENNAI-600 008.



SECTIONAL ELEVATION ON (X) (X)



PLAN

SURFACE AREA REQUIRED FOR THE SEPTIC TANK	- $\frac{648 \times 0.92}{10} = 59.62$
VOLUME OF FREE BOARD	- $59.62 \times 0.30 = 17.89 \text{ m}^3$
VOLUME OF SEDIMENTATION	- $59.62 \times 0.30 = 17.89 \text{ m}^3$
VOLUME OF SLUDGE	- $275 \times 365 \times 0.0002 = 20.07 \text{ m}^3$
TOTAL VOLUME	- $55.85 \text{ m}^3$ say $60.00 \text{ m}^3$
TOTAL VOLUME OF TANK BUT WE ARE PROVIDING TWO TANKS EACH OF $30.00 \text{ m}^3$	- $60.00 \text{ m}^3$
TOTAL VOLUME	- $30.00 \text{ m}^3$
AREA OF SEPTIC TANK	- $30.50 (10.00 \text{ m} \times 3.05 \text{ m})$
DEPTH OF SEPTIC TANK	- $\frac{30.00}{30.50} = 0.984 \text{ M}$

(BUT WE ARE PROVIDING DEPTH AS 1.10 M)  
SIZE OF SEPTIC TANK -  $10.00 \text{ m} \times 3.04 \text{ m} \times 1.10$

UPFLOW FILTER

CAPACITY FOR 140 USERS (PEAK GRAVITY)	- $140 \times 0.045 = 6.30 \text{ m}^3$
DEPTH ASSUMED	- 0.80 M (MINIMUM)
AREA OF FINAL EFFLUENT SUMP	- $\frac{6.30}{0.80} = 8.15 \text{ m}^2$
SIZE OF FINAL EFFLUENT SUMP	- $2.75 \times 3.00 \times 0.80$
SIZE OF UPFLOW FILTER NO: 1	- $2.00 \times 3.00 \times 0.65$
SIZE OF UPFLOW FILTER NO: 2	- $2.00 \times 3.00 \times 0.50$

DESIGN OF SEPTIC TANK WITH UPFLOW FILTER SYSTEM FOR PROPOSED RESIDENTIAL BUILDING AT S.No.51/1H, GERUGAMBAKKAM VILLAGE, SRIPERUMBUDUR TALUK, CHENGAI M.G.R. DISTRICT, CHENNAI.

SCALE	1:100
DATE	19.01.99
DRN	S. Suresh
ALL DIMENSIONS ARE IN METRE	

COLOUR INDEX  
PROPOSED -

SIGNATURE OF OWNER/GPA  
*My plan*  
H. SYED SHAH ALAM (GPA)  
EXECUTIVE DIRECTOR,  
APOLD ESTATES & BUILDERS (P)  
LTD.

SIGNATURE OF LICENSED SURVEYOR  
*S. Suresh*  
S. SURESH KUMAR, A.I.I.A., A.I.I.D.  
Architect & Interior Designer CA/93/16701  
Licensed Surveyor No: RA-330,  
CORPORATION OF MADRAS  
FLAT-A, FIRST FLOOR,  
1. MUNIRATHNAM STREET  
AMINJIKARAI, MADRAS-2  
PH. 4834200