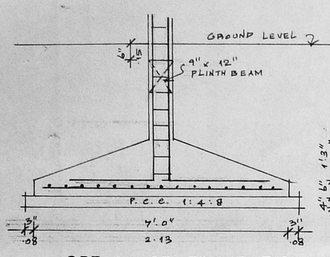
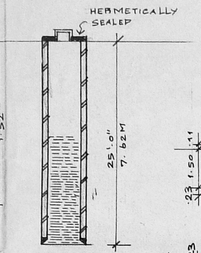
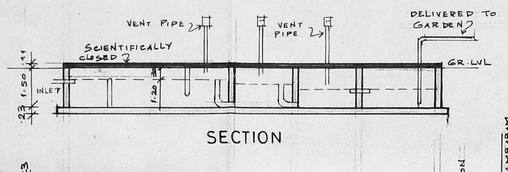
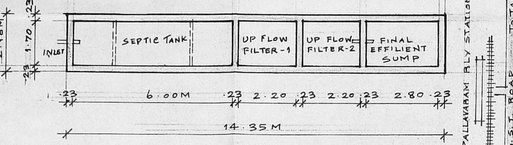


DETAIL OF FOUNDATION

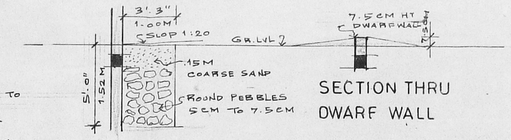


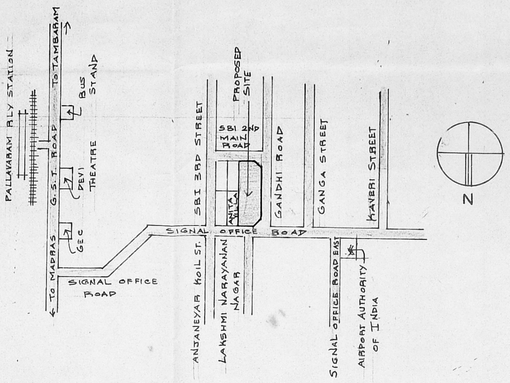
SECTION THRU WELL





PLAN OF SEPTIC TANK





LOCATION PLAN
(NOT TO SCALE)

DESIGN OF SEPTIC TANK		
NO: OF DWELLINGS	=	16
NO: OF USERS (16 x 5)	=	80
RATE OF WATER SUPPLY	=	150 L/DAY
FLOW OF SEWAGE PER DAY	=	12,000 Lts. D.P.
DETENTION	=	18 HRS
TANK CAPACITY $\frac{12,000 \times 18}{24}$	=	9000 Lts
THE TANK WILL BE CLEANED ONCE EVERY YEAR. SO SLUDGE STORAGE CAPACITY AT THE RATE OF 15 Lts PER PERSON PER YEAR. 80 X 15	=	1200 Lts
LET THE TOTAL TANK CAPACITY BE 9000 + 1200 = 10,200 Lts 10.20M³		
ASSUME SEPTIC TANK CAPACITY	=	12.00 M³
DEPTH OF WATER	=	1.20 M
FREE BOARD	=	.30 M
TOTAL DEPTH	=	1.50 M
AREA OF SEPTICT TANK REQUIRED	=	$\frac{12.00}{1.20}$ = 10M²
CLEAR LENGTH OF TANK	=	6.00 M
CLEAR WIDTH OF TANK	=	1.70 M
SIZE OF SEPTIC TANK	=	6.00M x 1.70M x 1.50M

UP FLOW FILTER

DISCHARGE FROM SEPTIC TANK = 9000 Lts PER DAY
WIDTH OF FILTER = 1.70M
DEPTH OF FILTER = 1.20M

LENGTH REQUIRED = $\frac{9}{1.7 \times 1.2}$ = 4.41 M

TWO NO: OF FILTERS PROVIDED
LENGTH OF EACH FILTER = $\frac{4.41}{2}$ = 2.20M

CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY
File No: D.P.10/96
Scrutiny:
Part I BD
Part I 10/5/96
A.P.

Revised on Dt. 6.9.96

B/23686/421/A/B/96

Planning Permit No.

APPROVED
SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER.
No. B2/7916/96 Date 9.9.96
FOR MEMBER SECRETARY
MADRAS METROPOLITAN DEVELOPMENT AUTHORITY
MADRAS - 600 008.

13/9/96

SPECIFICATIONS:-

1. THE BUILDING SHALL BE CONSTRUCTED WITH R.C.C. FRAMED STRUCTURE WITH 9"TH BRICK MASONRY WALLS FOR EXTERIOR AND 4½" BRICH PARTITION WALLS FOR INTERIOR
2. THE ROOF SLAB OVER GROUND & FIRST FLOOR SHALL BE IN R.C.C 1:2:4 MIN 4½" TH.
3. ALL EXPOSED CONCRETE SURFACES SHALL BE PLASTERED IN C.M 1:5 AND BRICH MASONRY SURFACES IN C.M 1:6.
4. THE FLOORING SHALL BE LAID WITH HYDRAULICALLY PRESSED CEMENT MOSAIC TILES OF APPROVED COLOUR.
5. THE WEATHERING COURSE SHALL BE LAID TO SLOPE IN BRICH JELLY LIME CONCRETE MIN 4" TH AND FINISHED WITH ONE LAYER OF COUNTRY TILES.

SCHEDULE OF JOINERIES:-

D1	3'3" x 7'0"	0.99 x 2.13 T.W. PANELLED DOOR
D2	3'0" x 7'0"	0.91 x 2.13 C.W. PANELLED DOOR
D3	2'9" x 7'0"	0.84 x 2.13 C.W. PANELLED DOOR
D4	2'6" x 7'0"	0.76 x 2.13 C.W. PANELLED DOOR
W2	3'0" x 4'6"	0.91 x 1.37 C.W. GLAZED WINDOW
W2A	3'0" x 3'6"	0.91 x 1.07 C.W. GLAZED WINDOW
W3	4'6" x 4'6"	1.37 x 1.37 C.W. GLAZED WINDOW
W3A	4'6" x 3'6"	1.37 x 1.07 C.W. GLAZED WINDOW
W4	5'-9" x 6'-0"	1.75 x 1.83 C.W. GLAZED WINDOW
W5	7'-6" x 4'-6"	2.29 x 1.37 C.W. GLAZED WINDOW
V1	2'-0" x 3'-0"	0.61 x 0.91 C.W. GLAZED VENTILATOR

AREA STATEMENTS

	SQ.FT	SQ.M
1. PLOT EXTENT:	9453.00	878.20
2. F.S.I. PERMISSIBLE 1:50	14179.50	1317.31
3. BUILT UP AREA PROPOSED		
(i) GROUND FLOOR	5348.09	496.85
(ii) FIRST FLOOR	5729.09	532.25
4. TOTAL BUILT UP AREA	11077.18	1029.10
5. F.S.I. PROPOSED: 1.17		
6. PLOT COVERAGE: 60.61%		

PROPOSED RESIDENTIAL BUILDING ON PLOT NO: 191, 192, 193 & 194 SIGNAL OFFICE ROAD BEARING S.NO: 67/23, 24, 25 & 26 OF 129. PAMMAL VILLAGE UNDER PAMMAL TOWN PANCHAYAT. MADRAS 600 075.

SIGNATURE OF APPLICANT

R. Narayanan
Indranagar

SIGNATURE OF LICENSED SURVEYOR

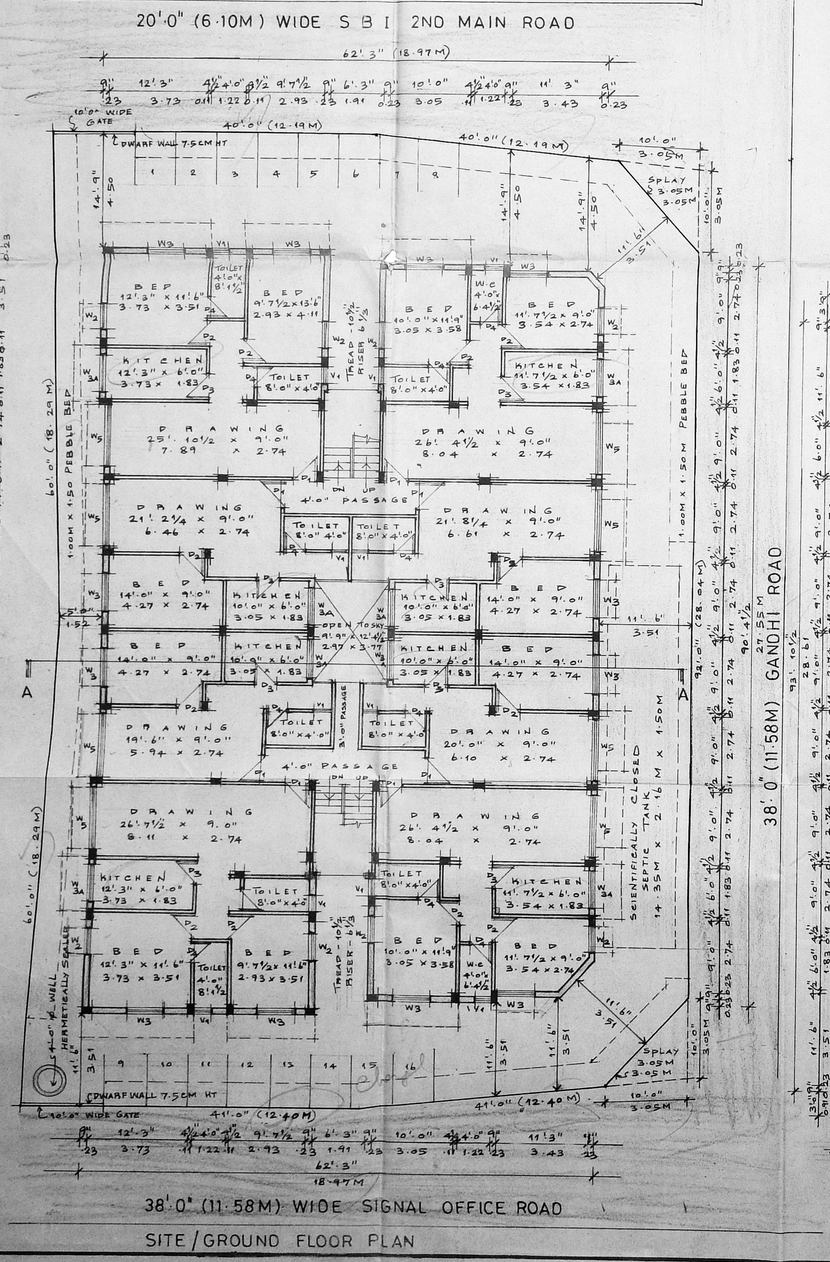
R. Devanathan

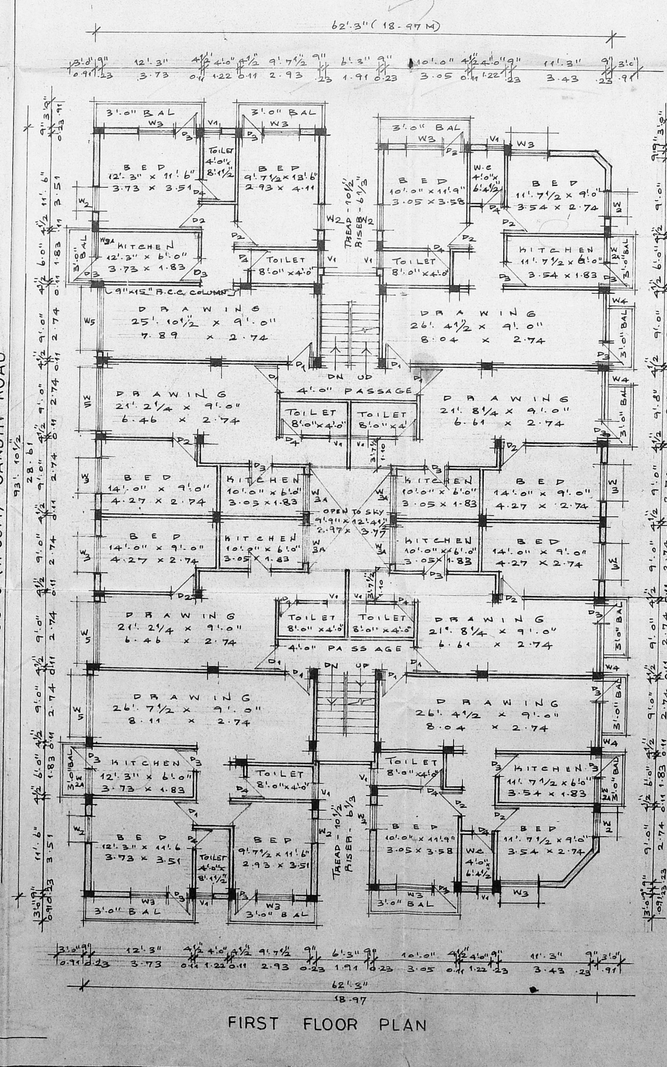
R. DEVANATHAN, B. Arch., M.C.P.
COUNCIL OF ARCHITECTURE
REGST. CA/338/78
REGISTERED ARCHITECT No: 324
CORPORATION OF MADRAS

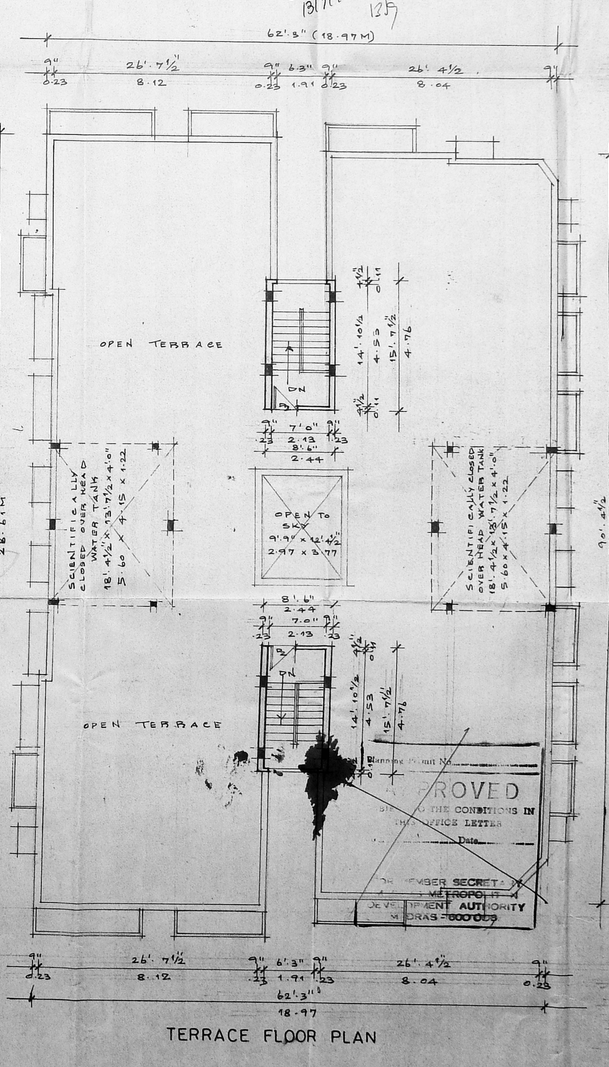
Proposed Works / Access Road		Plot Boundary	
Scale 1" = 8'-0"	Date 2.9.96	Job No.	Drg No. M-1

NAME AND ADDRESS OF LICENSED SURVEYOR

R. DEVANATHAN B.ARCH., M.C.P.
No: 23, First Floor
Moohambika Complex
No: 4, Lady Desikachari Road
Mylapore,
Madras - 600 004.







B/23686/421/96/B/B

Revised Dt: 6.9.90

Planning Permit No.

APPROVED

SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER.

No. B2/7810/96 Date 9.96

FOR MEMBER SECRETARY
MADRAS METROPOLITAN
DEVELOPMENT AUTHORITY
MADRAS 600 008.

MADA (B) S B C No. 1

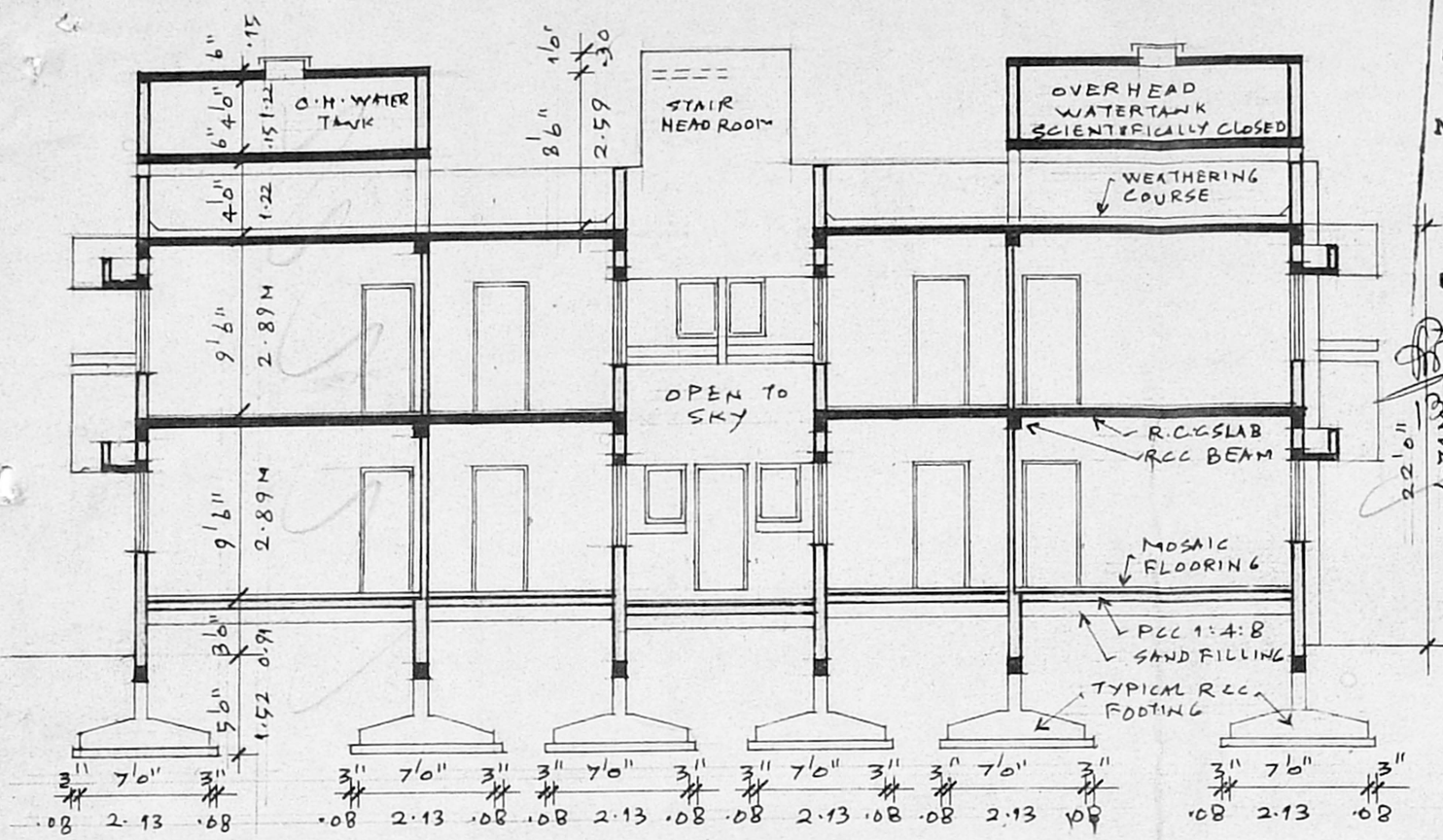
File No: B2/7810/96

Scrutny:

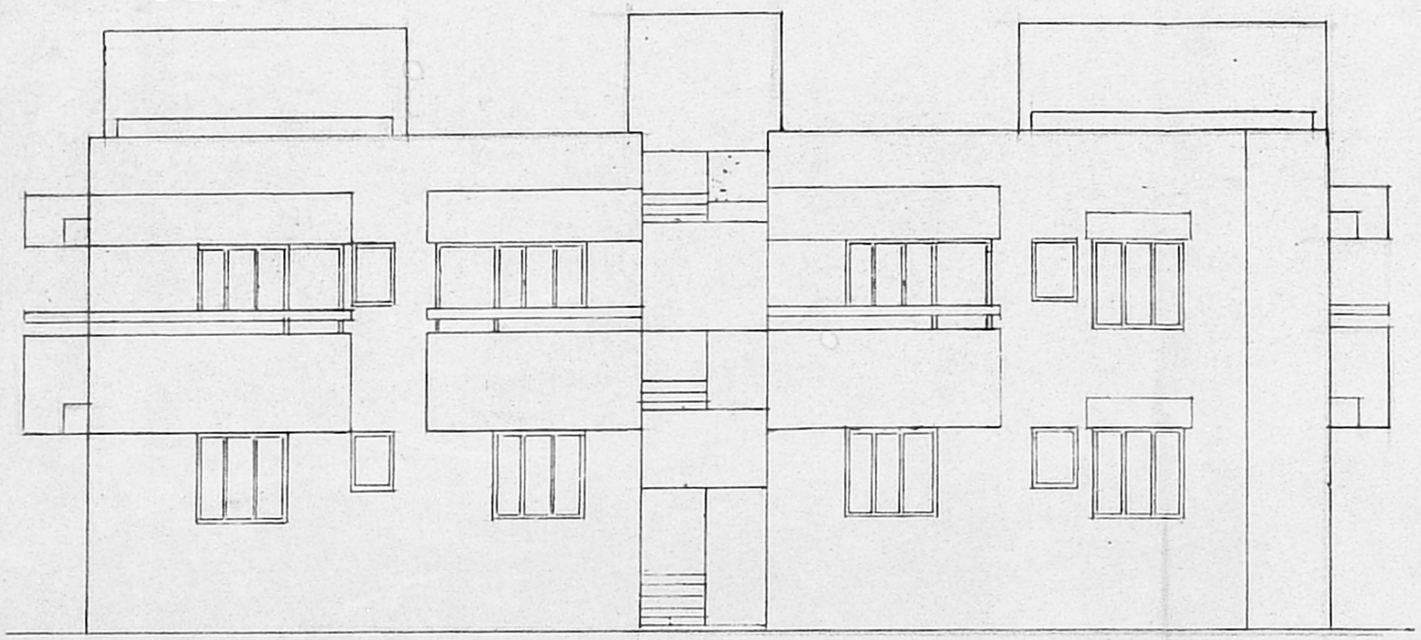
Part I

Part I 10/9/90

A.P. D.P.



SECTION A-A



FRONT ELEVATION

PROPOSED RESIDENTIAL BUILDING
ON PLOT NO. 191, 192, 193 & 194
SIGNAL OFFICE ROAD BEARING
S.NO. 67/23, 24, 25 & 26 OF
129. PAMMAL VILLAGE UNDER
PAMMAL TOWN PANCHAYAT
MADRAS - 600 075

O/C

SIGNATURE OF APPLICANT	SIGNATURE OF LICENSED SURVEYOR
R Narayanan Indra Narayan	R. DEVANATHAN, B. Arch., M.C.P. COUNCIL OF ARCHITECTURE REGST. CA/639/75 REGISTERED ARCHITECT No: 324 CORPORATION OF MADRAS

SCALE	DATE	JOB. NO.	DRG. NO
1" = 8'0"	28.3.96		M2

PLOT BOUNDARY
ACCESS ROAD
PROPOSED WORK

NAME AND ADDRESS OF LICENSED SURVEYOR

R. DEVANATHAN B-ARCH., M.C.P
23, FIRST FLOOR,
MOOKAMBIKA COMPLEX
4, LADY DESIKA ROAD,
MYLAPORE, MADRAS. 600004