

OFFICE COPY

SPECIFICATIONS

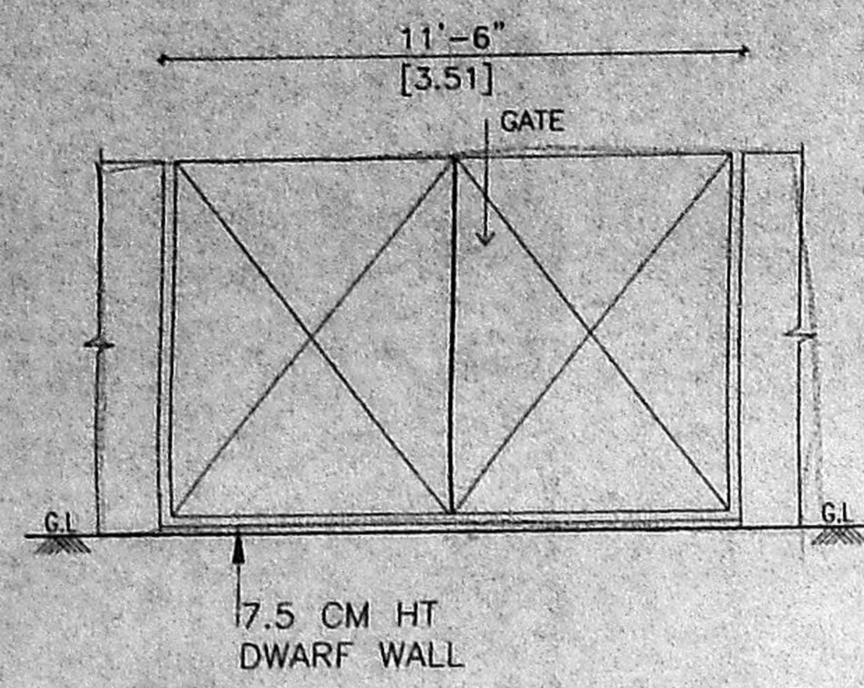
- R.C.C COLUMN FOOTING AND PILES IN FOUNDATION.
- COLUMNS AND PILES ARE CONNECTED BY PLINTH BEAMS.
- MOSAIC FLOORING / SPARTAN FLOORING.
- BRICK WORK IN BASEMENT AND SUPER STRUCTURE.
- WALLS ARE PLASTERED BY CEMENT MORTAR.
- JOINERY WORK IN TEAK AND COUNTRY WOOD.
- LINTEL OVER OPENING.
- ROOF COVERED BY R.C.C SLAB.
- ALL R.C.C WORK IN CEMENT CONCRETE 1:2:4.
- WEATHERING COURSE LAID WITH PROPER SLOPE OVER R.C. SLAB.

Revised Plan
Dr. Mani - 2004

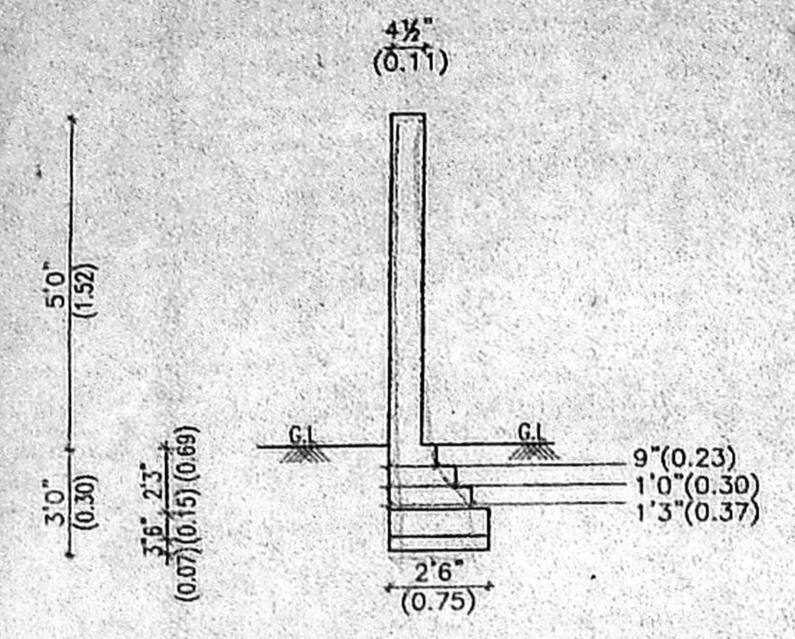
GMDA (B)/195/24/2003
C.No. B/195/24/2003

Scrutiny P.A. 20/10/04

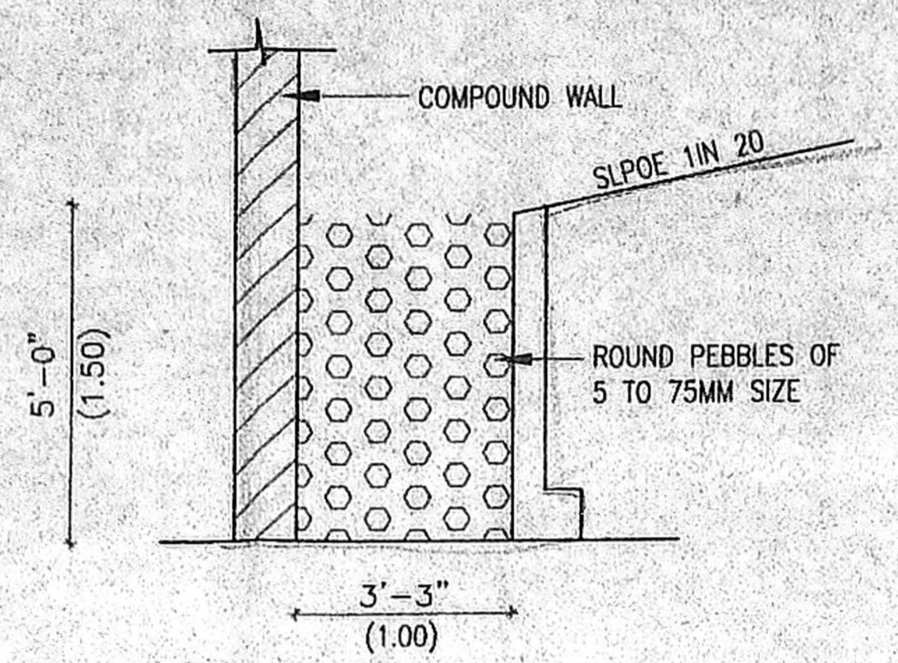
APPROVED
SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER.
FOR MEMBER SECRETARY
CHENNAI METROPOLITAN
DEVELOPMENT AUTHORITY
CHENNAI-600 008.



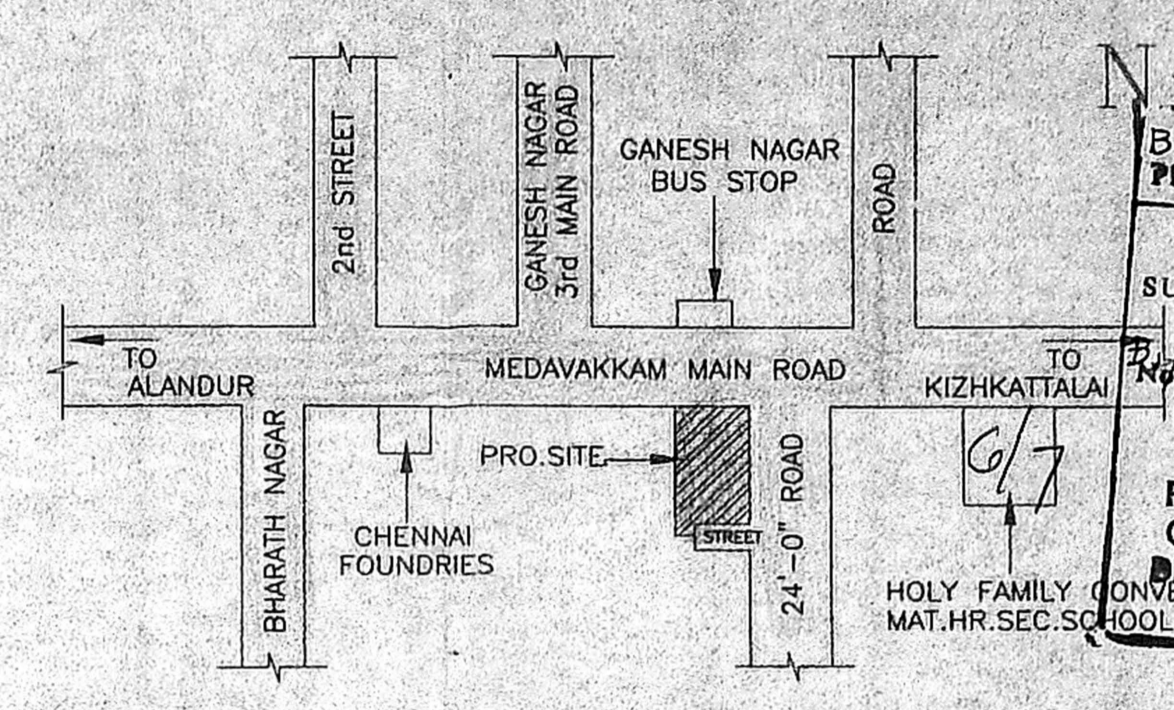
COMPOUND WALL VIEW



COMPOUND WALL



PERCOLATION TRENCH

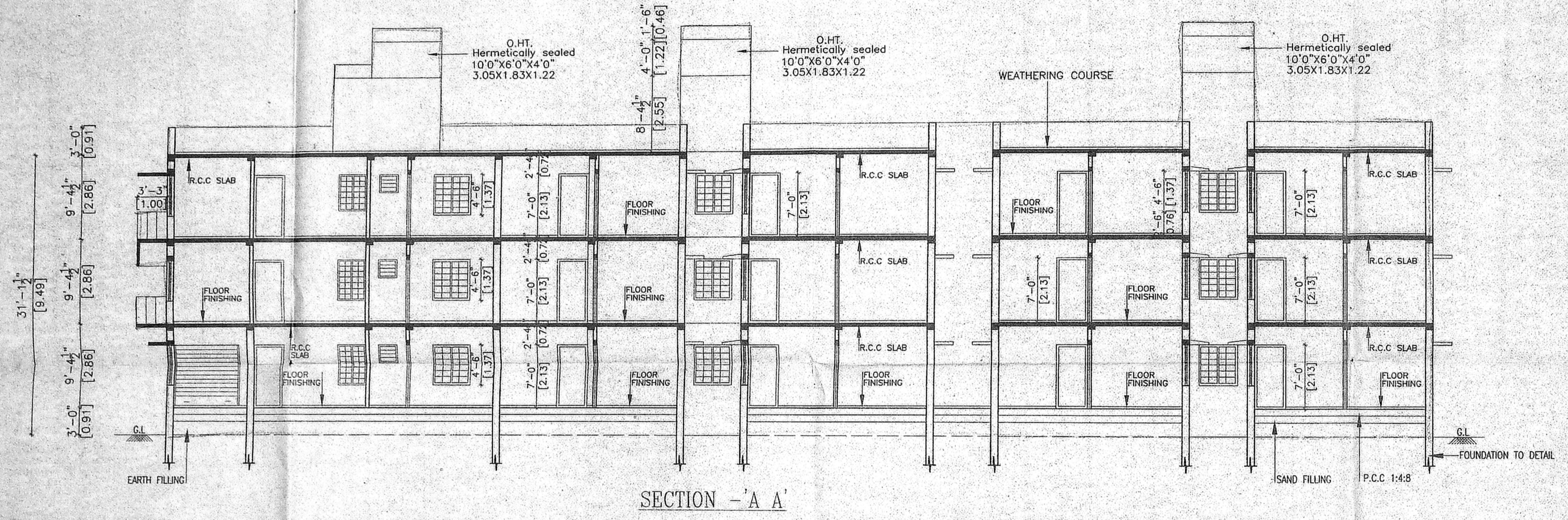


KEY PLAN (N.T.S.)

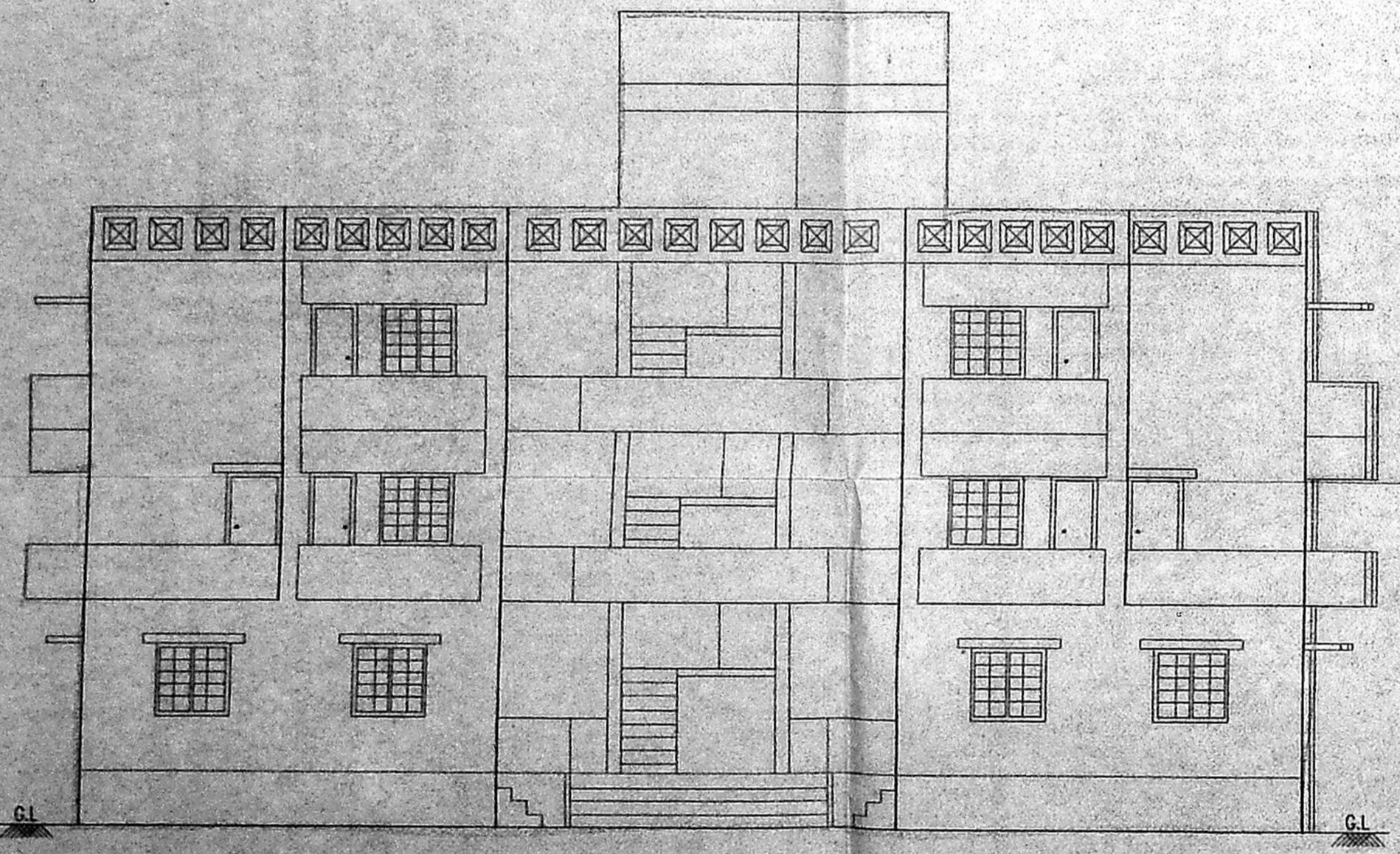
AREA STATEMENT

	SFT	SQ.M
PLOT AREA		
AS PER DOCUMENT - 14.16 ARE	15246.00	1416.40
AS PER PATTA - 14.16 ARE	15241.70	1416.00
AS PER SITE - 14.16 ARE	15250.00	1417.29
GROUND FLOOR AREA	7195.10	668.447
FIRST FLOOR AREA	7605.55	706.579
SECOND FLOOR AREA	7605.55	706.579
TOTAL FLOOR AREA	22406.20	2081.605
PLOT COVERAGE	50.32%	
F.S.I	1.47	TIMES

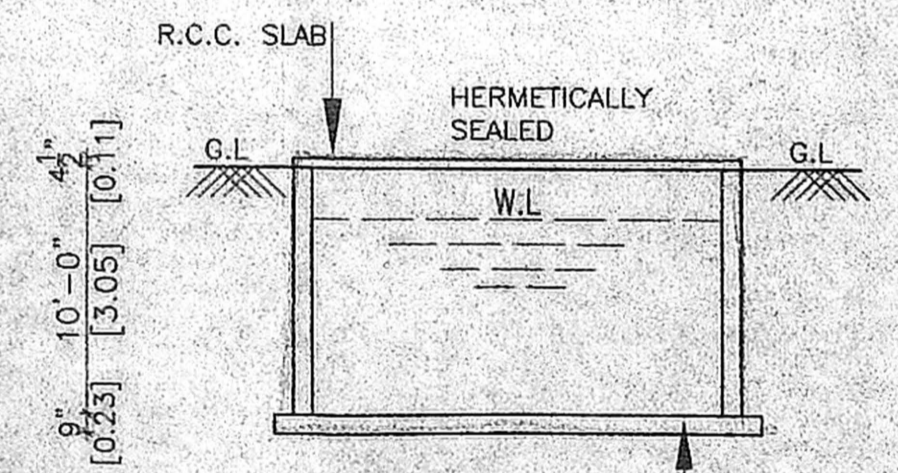
PLAN SHOWING THE PROPOSED RESIDENTIAL BUILDING IN MEDAVAKKAM
MAIN ROAD, KIZHKATTALAI, CHENNAI-600117.
S.NO:267/11A1, 267/11A2, 267/11A3 & 267/12A2
OF MADIPAKKAM VILLAGE, TAMBARAM TALUK,
KANCHEEPURAM DISTRICT.



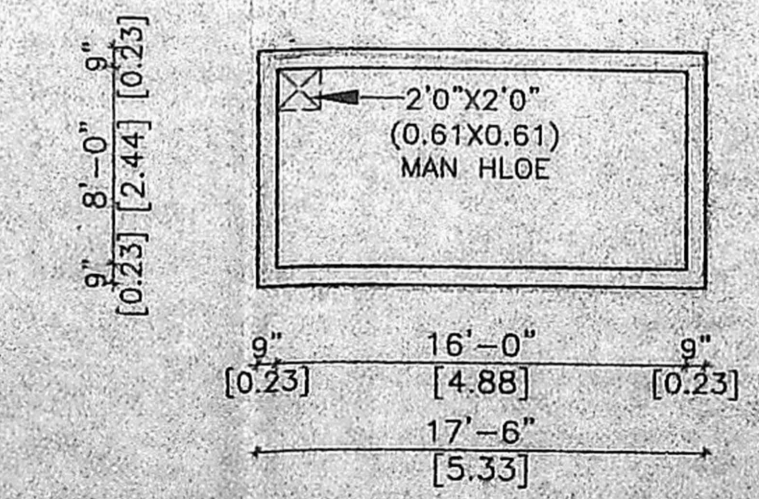
SECTION - A A



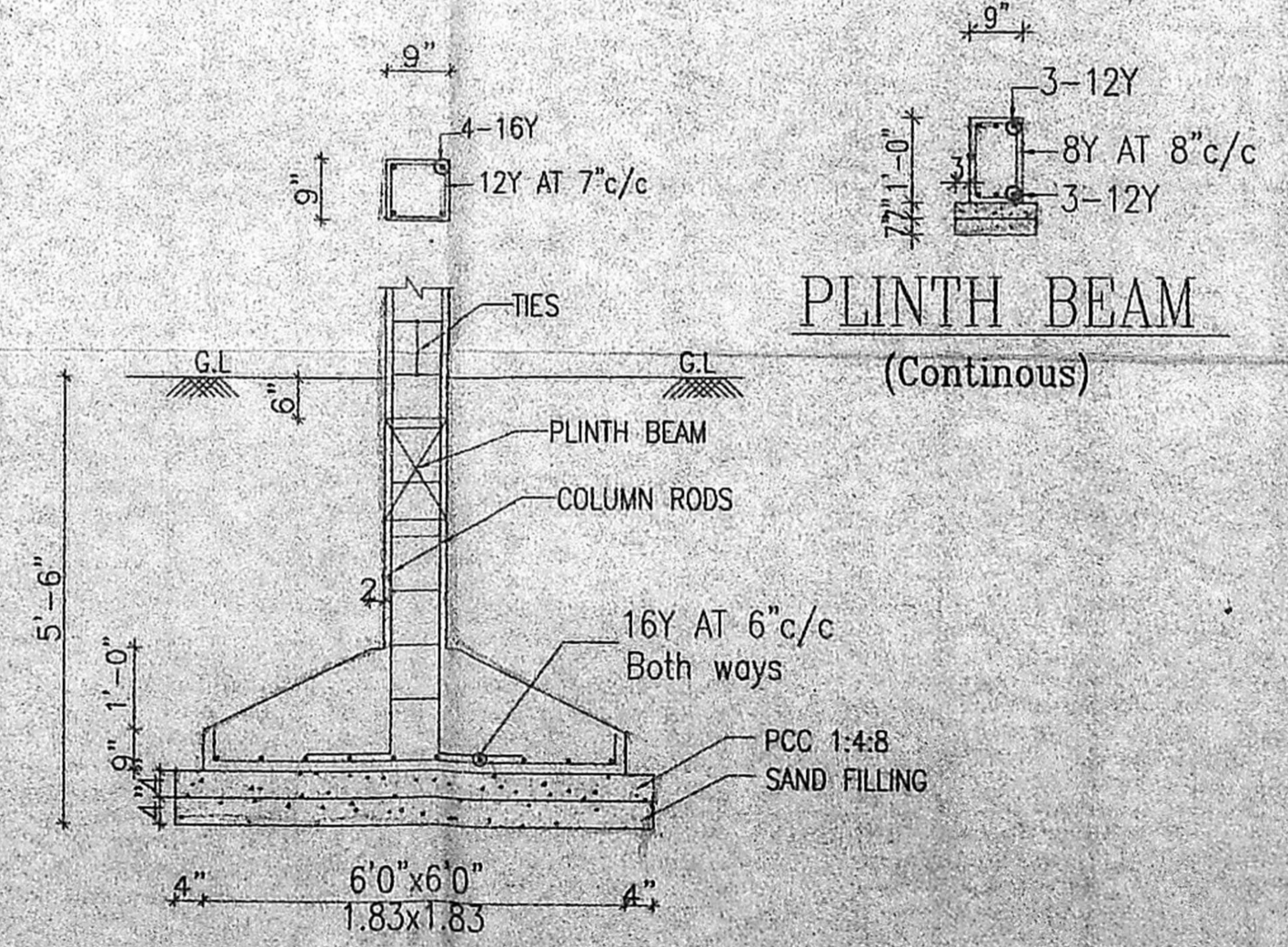
FRONT ELEVATION



SECTION



PLAN SUMP DETAIL



TYPICAL SECTION OF FOOTING.

COLOUR INDEX:-

PROPOSED	<input checked="" type="checkbox"/>
BOUNDARY	<input type="checkbox"/>
ROAD	<input type="checkbox"/>

SHEET NO:

SCALE:- 1" = 8'0" (1:100)

DRAWING NO:- DRAWN BY:- R.MANI

OWNER:-

[Signature]

LICENSED SURVEYOR

K. SELVAM, B.E., AME, C.Eng (I.A.I.V.),
Consulting Civil Engineer Chartered Engineer,
Approved Valuer & Licensed Surveyor,
Class I Reg No. 200 2003 2004
Door No 11/17, Thiruvalluvar Salai,
Mogampar, East, Chennai-600 050.
Ph: 26562050, Cell: 98412 82050
(GREEN CHANNEL FILE NOT APPLICABLE)

OFFICE COPY

B/SPL. BLDG / 35-c/c / 2004
 Planning Permit No
APPROVED
 SUBJECT TO THE CONDITIONS IN
 THIS OFFICE LETTER.
 No. B1/19544/2003 Dt. 21-11-03
 FOR MEMBER SECRETARY
 CHENNAI METROPOLITAN
 DEVELOPMENT AUTHORITY
 CHENNAI-600 008.

CMDA (B) / No. 1
 No. B1/19544/2003
 Asst.
 Scrutiny
 P. A. 28/11/03

Revised Plan
 Dt. 21-11-03
 DELIVERED TO GARDEN

DESIGN OF SEPTIC TANK WITH TWO UPFLOW FILTERS

NO OF DWELLINGS = 30
 NO OF USERS = 30 x 5 = 150 NOS
 TOTAL NO OF FIXTURES UNITS = 30
 ASSUME A PEAKING FACTOR = 7/7
 6 LITRES PER FIXTURE UNIT 30x6 = 180 LITRES PER MINUTE

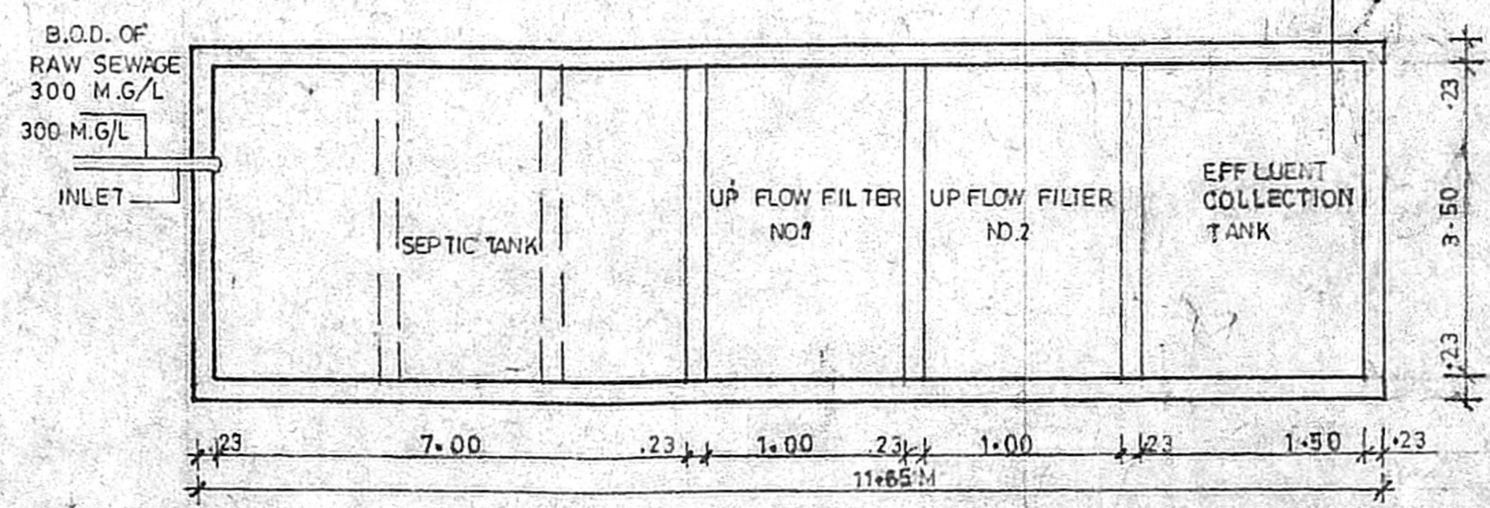
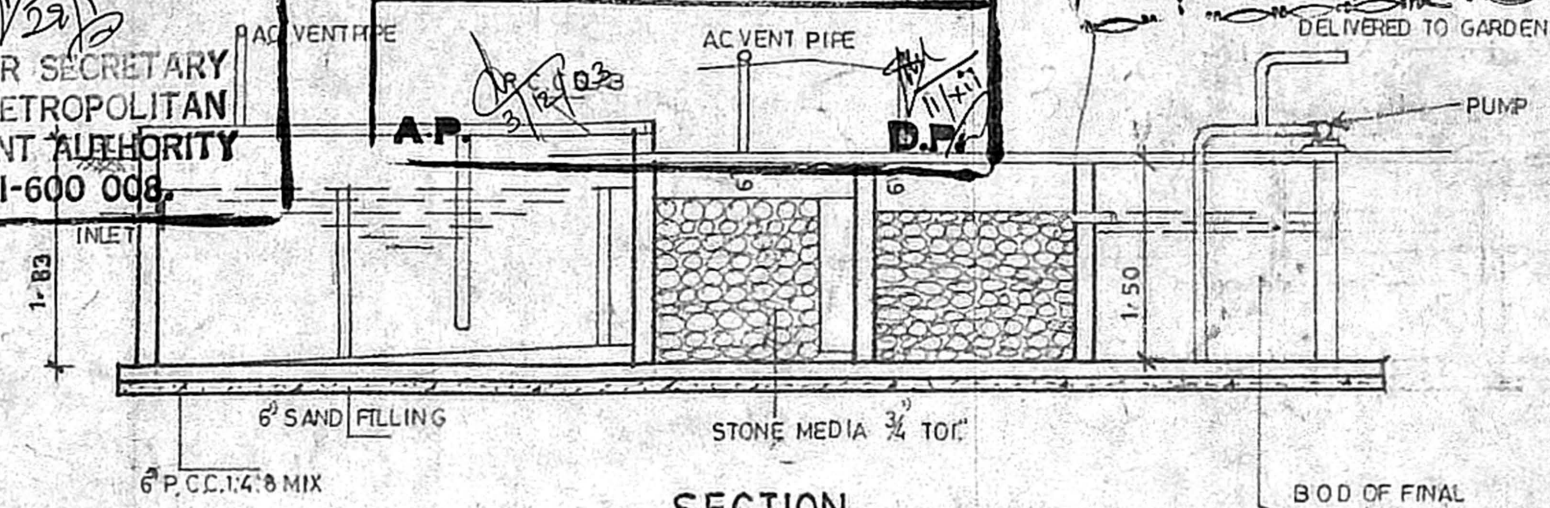
SEPTIC TANK
 SURFACE AREA REQUIRED FOR SEPTIC TANK = $\frac{180 \times 0.92}{10} = 16.56 \text{ M}^2$
 VOLUME OF FREE BOARD = $16.56 \times 0.3 = 4.96 \text{ M}^3$
 VOLUME OF DIGESTATION = $150 \times 0.032 = 4.80 \text{ M}^3$
 VOLUME OF SLUDGE = $150 \times 365 \times 0.0002 = 10.95 \text{ M}^3$
 VOLUME OF SEDIMENTATION = $16.56 \times 0.3 = 4.96 \text{ M}^3$
TOTAL VOLUME = 25.67 M³

DEPTH OF SEPTIC TANK = $\frac{25.67}{16.56} = 1.55 \text{ M}$
 REQUIRED DEPTH = 1.60 M
 RATIO OF LENGTH AND BREADTH = 2:1
 THERE FORE SIZE OF SEPTIC TANK = 6.00M x 3.00M x 1.60M
 REQUIRED

UPFLOW FILTER
 UPFLOW CAPACITY = $150 \times 0.04 = 6.00 \text{ M}^3$
 DEPTH ASSUMED = 1.50 M
 HENCE AREA OF FINAL EFFLUENT = 6 = 4.00 M²
 SURFACE REQUIRED = 1.5

SIZE OF FINAL EFFLUENT SUMP PROVIDED = 3.50 M x 1.50 M x 1.50 M
 SIZE OF UPFLOW FILTER I PROVIDED = 3.50 M x 1.00 M x 1.50 M
 SIZE OF UPFLOW FILTER II PROVIDED = 3.50 M x 1.00 M x 1.50 M
 PROVIDED LENGTH OF SEPTIC TANK = 7.00 M x MORE THAN 6.00 M
 PROVIDED BREADTH OF SEPTIC TANK = 3.50 M x MORE THAN 3.00 M
 PROVIDED DEPTH OF SEPTIC TANK = 1.83 M x MORE THAN 1.60 M
 THERE FORE SIZE OF SEPTIC TANK PROVIDED = 7.00 M x 3.50 M x 1.83 M

HENCE SAFE



DETAILS OF UPFLOW FILTER SEPTIC TANK
 (NOT TO SCALE)

<p>PLAN SHOWING THE PROPOSED RESIDENTIAL BUILDING IN PLOT NO 1,2,3,4 & 5 MEDAVAKKAM MAIN ROAD, KIZHATTALAI, CHENNAI - 600117. S.NO: 267/11A1 267/11A2 267/11A3 & 267/12A2 OF MADIPAKKAM VILLAGE, TAMBARAM TALUK, KANCHEEPURAM DISTRICT.</p>	<p>OWNER </p>	<p>LICENSED SURVEYOR K. SELVAM, B.E. AME, C. Eng (II) A.I.V. Consulting Civil Engineer Chartered Engineer App o ed Valure & Licensed Surveyor, Class I Reg No 600/2003 2004 Door No 11/17, Thiruvalluvar Salai, Mogappair East, Chennai-600 050. Ph. 26562050, Cell. 98412 82050 (GREEN CHANNEL FILE NOT APPLICABLE)</p>
---	--------------------	--